

GLENCORE

Ravensworth Complex

Monthly Pollution Monitoring Report

February 2020

Note: This report will be edited and re-uploaded onto the internet within 14 days of obtaining any data that has not been included in this report.

A map of EPL 2652 monitoring locations can be found at
<http://www.ravensworthoperations.com.au/en/publications/Pages/environmental-monitoring-maps.aspx>

DNR = Data Not Received.

License Holder: Ravensworth Operations Pty Ltd

Site Address: Ravensworth Mining Complex, off Lemington Road, Ravensworth, NSW, 2333

EPL Number: 2652

DEFINITIONS

Abbreviation	Explanation
mm/s	Millimetres per second
db	Decibels
g/m ² /month	Grams per metre square per month
µg/m ³	Micrograms per Cubic Meter of Air
µS/cm	Microsiemens Per Centimeter
pH	A measure of the acidity or alkalinity of a solution
mg/L	Milligrams per litre
NTU	Nephelometric turbidity units
ML/day	Megalitres per day
KL/day	Kilolitres per day
PM10	Particulate Matter of 10 Microns in diameter or smaller
HVAS	High Volume Air Sampler
TSP	Total suspended particles
TSS	Total suspended solids

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BLAST

February 2020

Sampled: Every Blast Event

Obtained: As per date of blast

Published: 18/03/2020

Date/Time	Overpressure (dB)					Vibration (mm/s)				
	BWM - Bowman Residence EPL Point 8	CWL - Camberwell Village EPL Point 7	Allowable Exceedance of 5% of total blasts over 12 month period	Limit	Identified Exceedances (Yes/No)	BWM - Bowman Residence EPL Point 8	CWL - Camberwell Village EPL Point 7	Allowable Exceedance of 5% of total blasts over 12 month period	Limit	Identified Exceedances (Yes/No)
6/02/2020	95.5	88.8	115	120	N	0.03	0.03	5	10	N
6/02/2020	95.5	92	115	120	N	0.22	0.14	5	10	N
12/02/2020	79.3	84.7	115	120	N	0.01	0.02	5	10	N
14/02/2020	79.1	85.4	115	120	N	0.07	0.06	5	10	N
19/02/2020	111.1	112.7	115	120	N	0.05	0.07	5	10	N
19/02/2020	102.5	102.8	115	120	N	0.03	0.04	5	10	N
20/02/2020	87.2	94.2	115	120	N	0.24	0.2	5	10	N
21/02/2020	98.6	92.8	115	120	N	0.08	0.05	5	10	N
24/02/2020	82.6	81.2	115	120	N	0.05	0.05	5	10	N
25/02/2020	75.1	88.8	115	120	N	0.06	0.04	5	10	N
27/02/2020	89.2	89.3	115	120	N	0.1	0.07	5	10	N
28/02/2020	75.8	87	115	120	N	0.08	0.11	5	10	N
28/02/2020	82.6	86.3	115	120	N	0.02	0.03	5	10	N
28/02/2020	92	87	115	120	N	0.04	0.03	5	10	N

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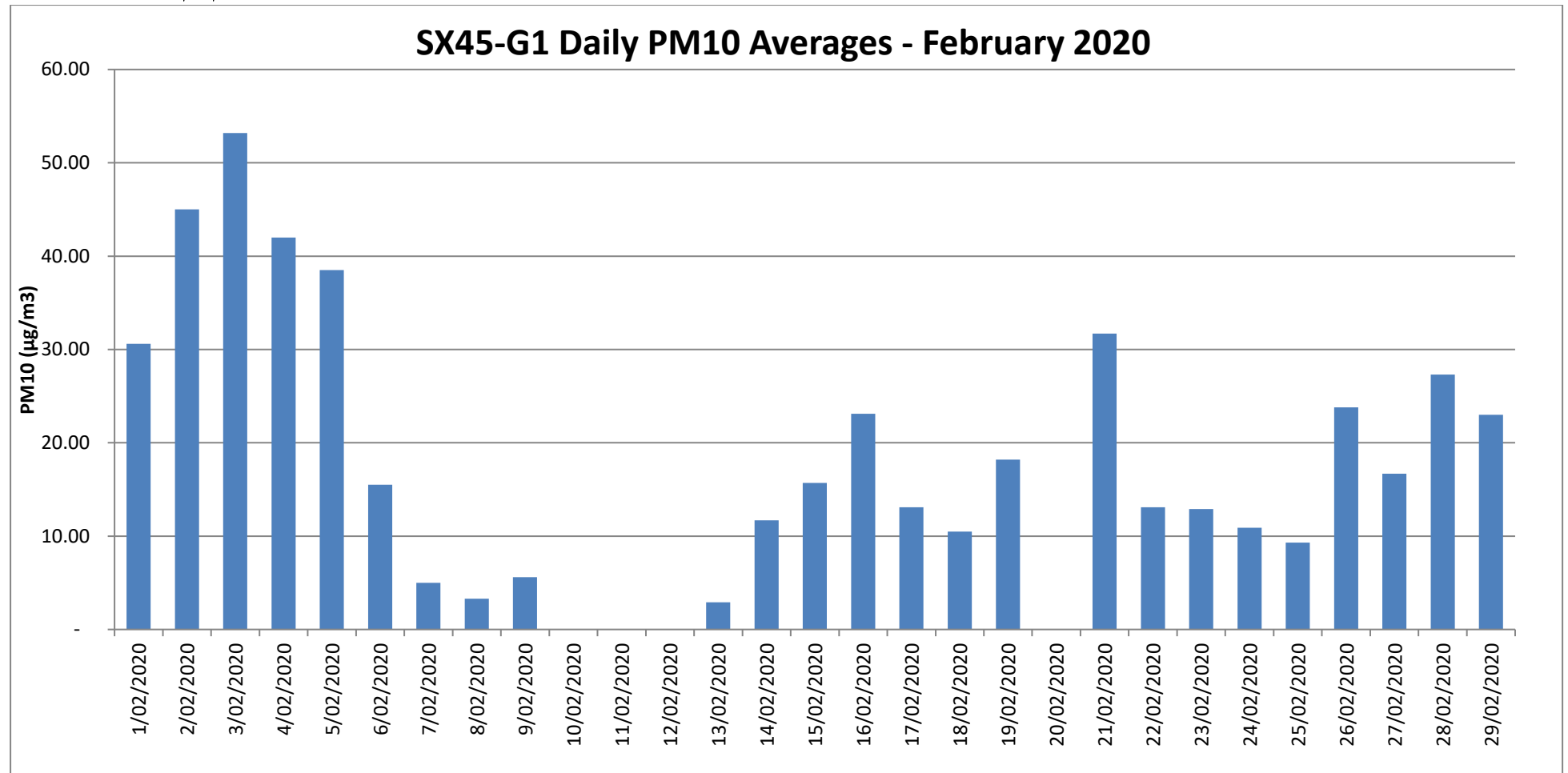
DUST TEOMs

February 2020

Sampled: Continuous

Obtained: 8/02/2020

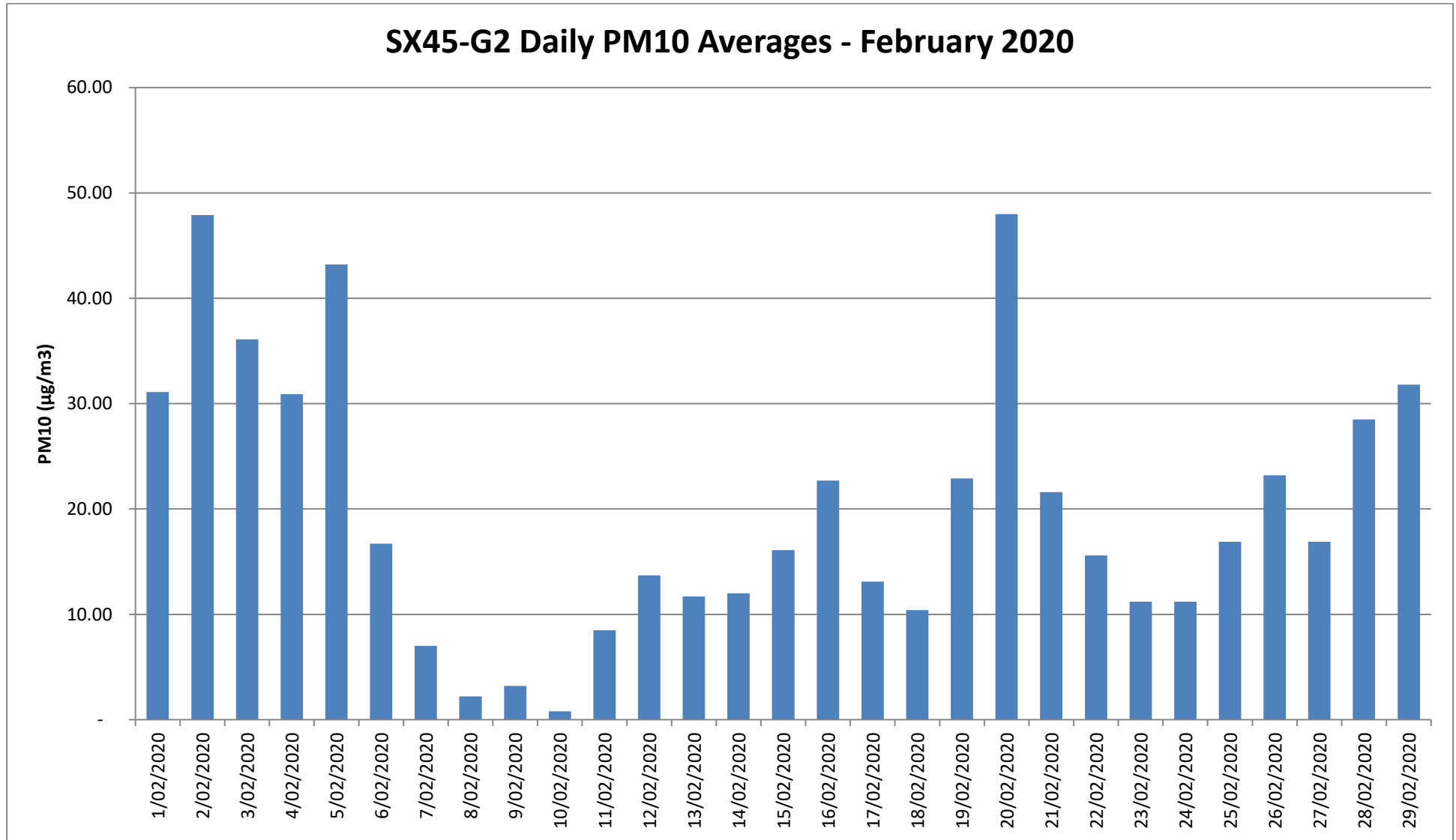
Published: 18/03/2020



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DISCHARGE MONITORING

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No discharge events occurred during February.

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NOISE MONITORING

February 2020

Sampled: As Specified

Obtained: 26/02/2020

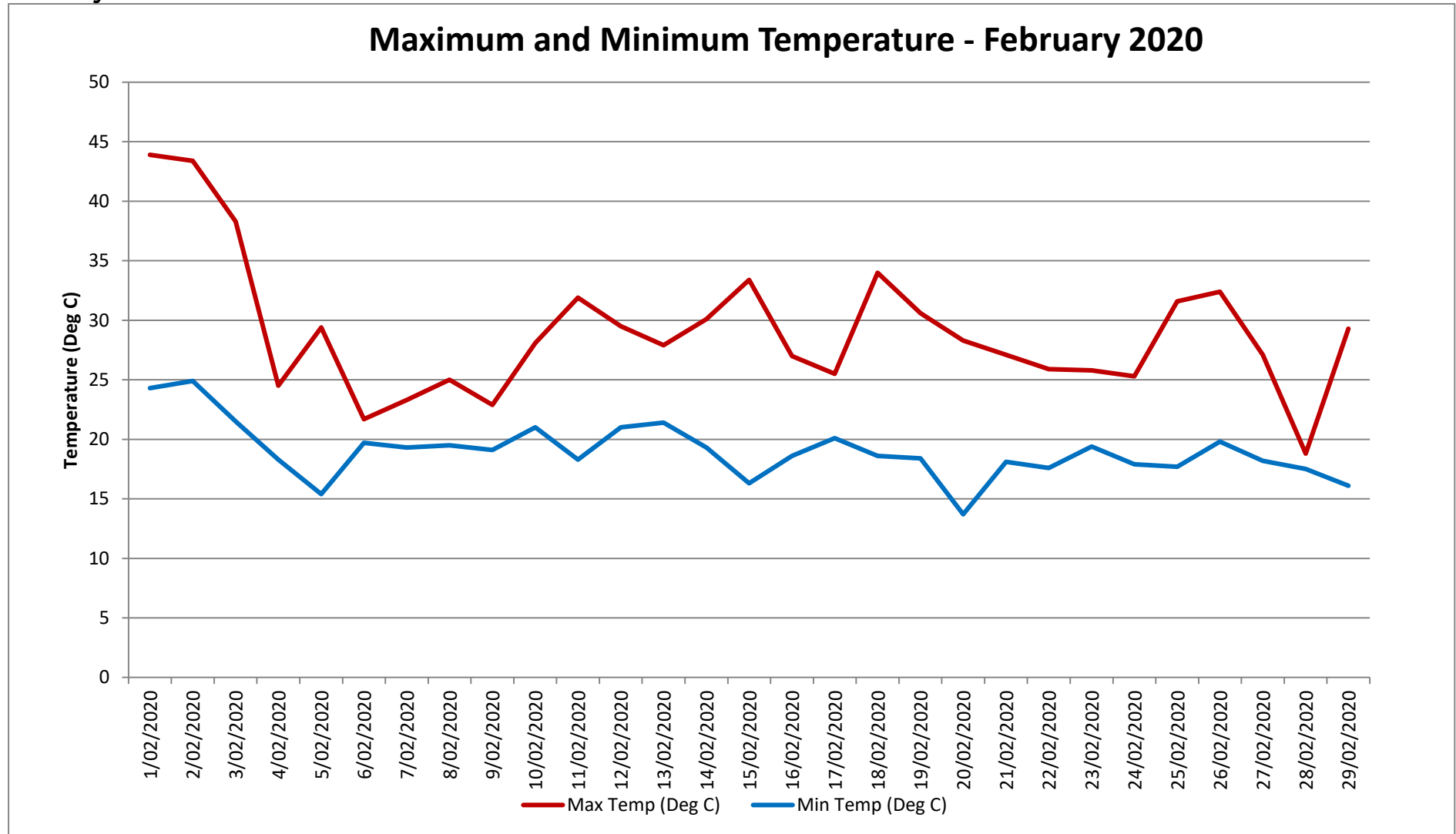
Published: 18/03/2020

Monitoring Location	Receiver Location	Date and Time	dB(A), Leq	Ravensworth Mine Complex Contribution dB(A), Leq	Criterion dB(A) Leq	dB(A), L1 (1min) ¹	Criterion dB(A), L1 (1min) ¹	Stability Class	Wind speed (m/s)	Wind direction (°)	Compliant
Site 2	R2	15/01/20 10:00 pm	33	25	35	28	45	F	1.7	171	Yes
Site 3	R3	15/01/20 10:29 pm	35	<20	35	<20	45	F	1.8	165	Yes
Site 5	R3	15/01/20 10:51 pm	49	<20	35	<20	45	F	0.4	181	Yes
Site 6	R4	15/01/20 11:12 pm	47	25	35	26	45	F	1.8	147	Yes

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Meteorological Data

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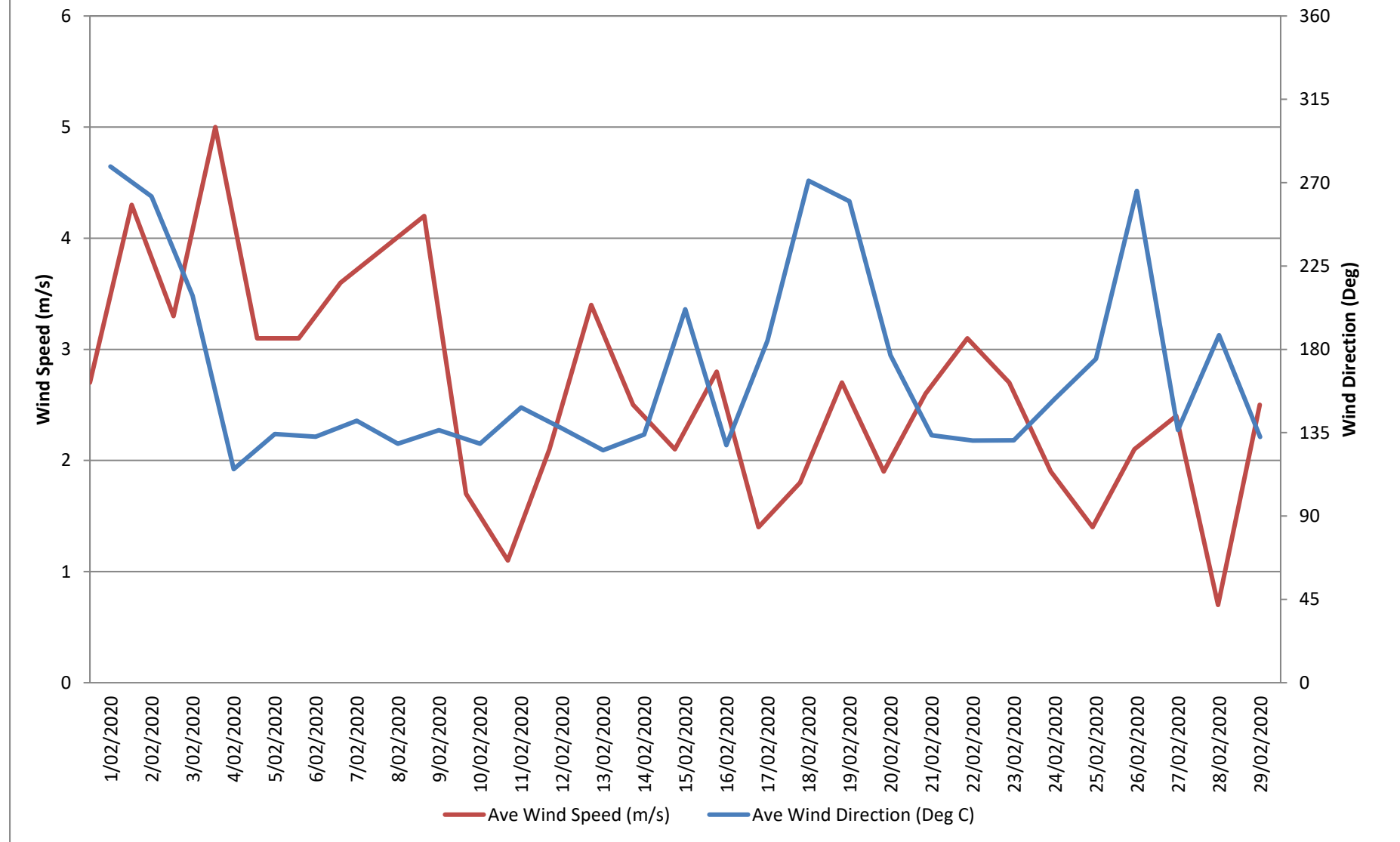


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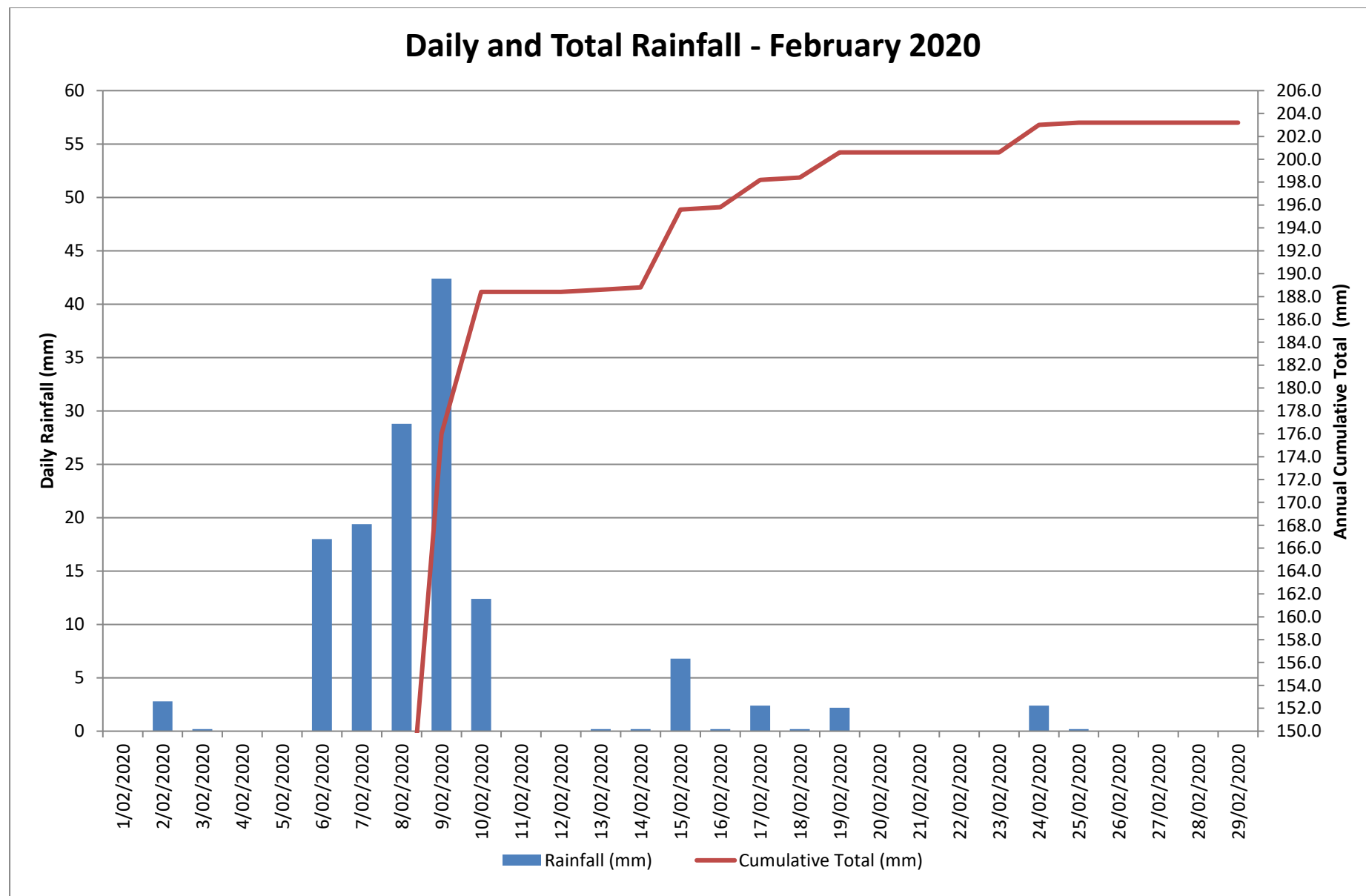
Average Wind Speed and Direction - February 2020



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