

Peace Airshed Zone Association

Ambient Air Monitoring Network Summary

Ambient Air Quality Monitoring Program

Monthly Report

July 2026

August 31, 2026

Alberta Environment and Protected Areas
11th Floor, Oxbridge Place
9820-106 Street
Edmonton Alberta T5K 2J6

Subject: **Peace Airshed Zone Association (PAZA)**
July 2026 Ambient Air Quality Monitoring Report

Please find enclosed the PAZA Ambient Air Quality Monitoring Network Report for the month of July 2026.

The representative of the Person Responsible for this monitoring program is:

Mandeep Dhaliwal, B.Sc., P.Chem.
Program Manager
Box 21135
Grande Prairie, Alberta T8V 6W7
Email: Mandeep@paza.ca
Phone: 403-608-9697

This report was prepared by Dr. Kevin McCullum, P.Eng., and reviewed by Mandeep Dhaliwal. PAZA has retained the services of WSP Canada Inc. to conduct continuous ambient monitoring and Dr. Kevin McCullum, P.Eng. to provide data validation and reporting.

This report is submitted by PAZA on behalf of the industrial member companies to satisfy the requirements of the facility Operating Approvals listed in Table A

The monthly summary report includes the operational summaries and hourly continuous monitoring and monthly passive results. The Milner station is being reported under the PAZA Monthly report.

Continuous Monitoring:

Eight (8) Stations including Henry Pirker (Grande Prairie), Dunes, Smoky Heights, Beaverlodge, Valleyview, Fox Creek, Happy Valley-Portable and Milner.
Detailed Summaries are included in the report.

Calibration and Data Submission:

Monthly report, hourly data and calibration reports for July 2026 were submitted to the ETS data system.

Table A. PAZA members with Facility Operating Approvals

Company	Facility	LSD	EPEA Approval No.
Advantage Oil & Gas Ltd.	Glacier	05-02-076-13-W6	00262479-00-00
Alberta Power (2000) Ltd. (an ATCO company)	Sturgeon	SW-06-069-21-W5	00010283-02-02
ATCO Power Canada	Poplar Hill	11-19-073-08-W6	00067774-01-01
ATCO Power Canada	Valleyview	SW-06-069-21-W5	00147709-01-01
AltaGas Ltd.	Pouce Coupe	03-03-081-13-W6	00247673-00-00
	Gordondale	02-26-068-25-W5	00287474-00-00
Apache Canada Ltd.	House Mountain	01-08-070-10-W5	00010137-02-02
ARC Resources Ltd.	ARC Ante Creek	02-26-068-25-W5	00266694-01-00
Birchcliff Energy Ltd.	Pouce Coupe	03-22-078-12-W6	00252529-00-00
Canadian Natural Resources Limited	Bonanza	11-25-081-11-W6	00000029-01-00
	Progress/Gordondale	01-01-077-10-W6	00010036-02-00
	Gold Creek	13-26-067-05-W6	00010446-02-00
	Teepee Creek	SE-2-074-04-W6	00001635-02-00
	Sturgeon/Valleyview	02-02-069-22-W5	00001633-02-00
Canfor Forest Products	Grande Prairie	SW-23-071-06-W6	00152645-01-00
Conocophillips Canada Energy Partnership	Wembley	06-19-073-08-W6	00000212-01-00
Encana Corporation	Sexsmith	04-08-075-07-W6	00010002-01-00
Enerplus Resources	Pouce Coupe	SW-06-069-21-W5	00001464-02-03
Exshaw Oil Corporation	Spirit River	03-10-077-07-W6	00344521-00-00
Grande Prairie Generation Inc.	Northern Prairie Power Project	04-19-073-08-W6	00238762-00-00
Inception Exploration Ltd.	Gold Creek	03-26-069-05-W6	00335317-00-02
KANATA Energy Group Ltd.	Valhalla	13-21-076-09-W6	00017620-02-02
Long Run Exploration	Eaglesham	01-25-076-01-W6	00241532-00-00
	Kakut	14-12-075-03-W6	00248469-00-00
	Donnelly	06-01-077-21-W5	00000087-02-00
	Puskwaskau	03-26-074-01-W6	00017524-01-00
Longview Oil Corp.	Sunset House	06-22-070-20-W5	00138884-01-00
Milner Power Limited Partnership	H.R. Milner thermal electric power plant	SE-15-058-08-W6	00009814-03-03
NorthRiver Midstream Inc.	Fourth Creek	16-11-082-09-W6	00000263-01-00
	Gordondale	11-26-079-09-W6	00011495-01-01
	Pouce Coupe/Bonanza	03-23-080-13-W6	00070203-01-01
Pembina Pipeline Corporation	Kakwa River	08-13-063-05 W6	00335342-01-00
Penn West Petroleum Ltd.	Tangent	13-29-080-23-W5	00001746-02-00
	Pouce Coupe	16-07-078-11-W6	00000614-01-00
Petrus Resources	Rycroft	08-25-077-06-W6	00011351-02-00
	Spirit River	08-34-077-06-W6	00011096-02-00
Strathcona Resources Ltd.	Jayar Sour Gas Processing Plant	06-08-062-03 W6	03612040-00-00
Suncor Energy Inc.	Progress	07-22-078-09-W6	00011428-02-00
Tidewater Midstream and Infrastructure Ltd.	Pipestone Sour Gas Plant	NW-35-70-9 W6	00403309-00-00
Veresen Energy	Hythe Brainard	11-18-074-12-W6	00010910-02-00
Weyerhaeuser Canada	Grande Prairie Pulp and Wood Plant	01-14-070-05-W6	00000113-02-00

Concentrations in excess of the Clean Air (Maximum Levels) Regulation:

- There were no readings above the 30min TRS AAAQG
- There were 192 readings above the 1hr $PM_{2.5}$ AAAQG and 33 above the 24hr AAAQO

Summary of readings above the 1hr $PM_{2.5}$ AAAQG (80µg/m³) recorded as follows:

Reference Number	Station	Pollutant	Date	From MST	To MST	Average µg/m³	WS km/h	WD degrees
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	15:00	16:00	120.8	17.1	3
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	16:00	17:00	155.8	14.0	23
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	17:00	18:00	136.1	13.0	34
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	18:00	19:00	111.2	14.3	33
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	19:00	20:00	82.6	15.0	29
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	20:00	21:00	86.9	14.3	50
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	21:00	22:00	97.8	15.5	60
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	22:00	23:00	97.3	13.7	67
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	23:00	00:00	80.6	15.3	66
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	05:00	06:00	81.3	16.0	64
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	13:00	14:00	111.2	5.1	24
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	14:00	15:00	173.1	3.7	60
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	15:00	16:00	193.9	5.5	37
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	16:00	17:00	201.2	3.7	51
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	17:00	18:00	176.9	3.7	103
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	18:00	19:00	159.8	7.8	138
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	19:00	20:00	177.4	7.4	125
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	20:00	21:00	113.5	5.0	95
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	21:00	22:00	89.0	5.1	78
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	22:00	23:00	81.1	5.1	73
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	23:00	00:00	83.3	5.8	78
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	00:00	01:00	113.5	6.2	56
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	01:00	02:00	126.6	4.7	54
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	02:00	03:00	117.0	0.5	242
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	03:00	04:00	127.4	1.1	190
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	04:00	05:00	115.3	0.5	329
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	05:00	06:00	110.7	0.5	305
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	06:00	07:00	93.9	2.1	63
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	17:00	18:00	80.1	10.9	90
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	15:00	16:00	105.2	11.7	312
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	16:00	17:00	114.5	5.8	305
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	17:00	18:00	117.1	5.5	319
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	18:00	19:00	128.2	5.0	0
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	19:00	20:00	123.9	7.9	355
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	20:00	21:00	112.9	9.0	336
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	21:00	22:00	103.7	8.0	310
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	22:00	23:00	84.7	5.5	303
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	15:00	16:00	146.8	18.1	304
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	16:00	17:00	148.1	10.0	307
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	17:00	18:00	167.5	8.1	324
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	18:00	19:00	172.5	4.5	350
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	19:00	20:00	156.2	8.2	339
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	20:00	21:00	147.6	10.5	325
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	21:00	22:00	133.4	9.7	313
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	22:00	23:00	110.1	7.9	306

Reference Number	Station	Pollutant	Date	From MST	To MST	Average µg/m³	WS km/h	WD degrees
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	23:00	00:00	94.6	5.9	315
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	00:00	01:00	90.6	6.3	312
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	01:00	02:00	87.0	5.5	316
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	02:00	03:00	83.8	2.0	316
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	04:00	05:00	88.3	1.8	358
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	05:00	06:00	105.1	3.1	316
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	06:00	07:00	91.5	1.3	314
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	07:00	08:00	88.1	3.2	291
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	08:00	09:00	87.2	3.1	297
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	09:00	10:00	82.8	4.3	308
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	15:00	16:00	100.0	0.4	264
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	16:00	17:00	122.0	3.5	161
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	17:00	18:00	129.4	3.4	177
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	18:00	19:00	123.8	3.7	157
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	19:00	20:00	119.8	4.3	145
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	20:00	21:00	103.3	3.5	127
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	21:00	22:00	111.7	3.8	146
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	22:00	23:00	105.8	1.3	85
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	23:00	00:00	102.2	1.1	74
EDGE00456611	Henry Pirker	$PM_{2.5}$	21-Jul-26	00:00	01:00	92.4	3.0	97
EDGE00456611	Henry Pirker	$PM_{2.5}$	21-Jul-26	01:00	02:00	88.1	1.8	93
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	16:00	17:00	112.8	12.9	316
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	17:00	18:00	160.9	15.1	316
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	18:00	19:00	122.3	17.0	326
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	19:00	20:00	104.7	17.7	324
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	20:00	21:00	106.1	14.7	333
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	21:00	22:00	110.6	14.1	344
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	22:00	23:00	108.7	8.5	344
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	23:00	00:00	108.1	12.3	332
EDGE00456612	Smoky Heights	$PM_{2.5}$	20-Jul-26	00:00	01:00	115.9	10.4	345
EDGE00456612	Smoky Heights	$PM_{2.5}$	20-Jul-26	01:00	02:00	102.9	5.6	11
EDGE00456612	Smoky Heights	$PM_{2.5}$	20-Jul-26	02:00	03:00	97.4	4.2	5
EDGE00456612	Smoky Heights	$PM_{2.5}$	20-Jul-26	03:00	04:00	87.6	6.7	333
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	03:00	04:00	106.3	9.2	357
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	04:00	05:00	229.5	6.7	346
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	05:00	06:00	237.0	5.0	333
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	06:00	07:00	214.7	6.7	325
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	08:00	09:00	182.3	0.0	0
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	09:00	10:00	152.2	0.0	0
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	10:00	11:00	152.6	4.2	347
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	11:00	12:00	133.6	5.8	321
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	12:00	13:00	122.9	4.8	327
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	13:00	14:00	119.4	3.4	323
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	14:00	15:00	121.9	3.4	320
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	15:00	16:00	122.1	3.9	318
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	16:00	17:00	114.9	2.6	322
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	17:00	18:00	117.4	4.3	301
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	18:00	19:00	106.5	2.4	256
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	19:00	20:00	101.9	2.5	202
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	20:00	21:00	94.8	1.6	198
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	21:00	22:00	88.2	1.3	179

Reference Number	Station	Pollutant	Date	From MST	To MST	Average µg/m³	WS km/h	WD degrees
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	22:00	23:00	81.1	1.5	179
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	13:00	14:00	88.5	2.7	304
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	14:00	15:00	131.9	2.9	12
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	15:00	16:00	120.5	3.7	47
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	16:00	17:00	115.6	3.5	33
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	17:00	18:00	107.4	1.5	91
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	18:00	19:00	105.6	3.1	247
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	16:00	17:00	98.9	4.2	63
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	17:00	18:00	126.0	3.9	64
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	18:00	19:00	128.1	2.2	35
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	19:00	20:00	125.8	0.8	22
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	20:00	21:00	110.7	1.1	255
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	21:00	22:00	107.1	0.8	257
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	22:00	23:00	104.0	0.7	280
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	23:00	00:00	105.4	0.8	271
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	14:00	15:00	160.9	15.6	300
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	15:00	16:00	227.6	12.7	321
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	16:00	17:00	176.2	9.1	319
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	17:00	18:00	160.9	7.9	348
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	18:00	19:00	157.1	6.3	347
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	19:00	20:00	136.7	4.4	320
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	20:00	21:00	121.7	4.2	259
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	21:00	22:00	103.8	7.2	256
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	22:00	23:00	92.3	6.3	272
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	23:00	00:00	89.6	6.6	256
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	00:00	01:00	90.4	7.1	266
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	01:00	02:00	95.4	8.4	284
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	02:00	03:00	97.2	6.6	267
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	03:00	04:00	98.4	6.5	268
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	04:00	05:00	97.2	4.2	255
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	05:00	06:00	105.1	4.5	264
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	06:00	07:00	105.4	5.5	262
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	07:00	08:00	97.0	4.9	259
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	08:00	09:00	85.5	5.5	269
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	09:00	10:00	100.7	6.5	275
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	10:00	11:00	175.8	6.5	272
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	11:00	12:00	223.4	5.8	291
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	12:00	13:00	242.8	5.6	312
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	13:00	14:00	234.3	6.9	282
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	14:00	15:00	204.1	8.4	286
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	15:00	16:00	151.7	8.1	286
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	16:00	17:00	120.7	4.2	266
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	17:00	18:00	124.6	2.7	250
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	18:00	19:00	162.9	1.2	150
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	19:00	20:00	180.6	3.6	190
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	20:00	21:00	206.4	2.4	241
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	21:00	22:00	185.7	3.9	231
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	22:00	23:00	173.1	4.9	255
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	23:00	00:00	174.3	5.2	265
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	00:00	01:00	180.4	2.5	265
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	01:00	02:00	180.0	4.1	289

Reference Number	Station	Pollutant	Date	From MST	To MST	Average µg/m³	WS km/h	WD degrees
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	02:00	03:00	167.0	1.6	287
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	03:00	04:00	167.9	2.8	292
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	04:00	05:00	206.7	2.9	201
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	05:00	06:00	214.7	2.1	253
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	06:00	07:00	221.1	3.7	271
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	07:00	08:00	212.4	1.2	263
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	08:00	09:00	199.6	1.4	42
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	09:00	10:00	179.7	3.5	60
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	10:00	11:00	134.2	6.8	155
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	11:00	12:00	94.1	10.7	155
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	12:00	13:00	103.2	10.4	158
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	13:00	14:00	95.9	10.6	142
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	14:00	15:00	90.8	9.5	147
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	15:00	16:00	89.4	8.8	160
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	16:00	17:00	85.2	9.6	135
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	17:00	18:00	81.2	13.2	127
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	18:00	19:00	91.9	14.1	127
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	19:00	20:00	89.5	12.0	123
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	20:00	21:00	92.3	8.3	118
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	21:00	22:00	97.9	8.1	104
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	22:00	23:00	97.1	6.1	118
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	23:00	00:00	93.6	8.0	135
EDGE00456610	Happy Valley	$PM_{2.5}$	22-Jul-26	00:00	01:00	86.2	6.8	99
EDGE00456610	Happy Valley	$PM_{2.5}$	22-Jul-26	01:00	02:00	82.9	4.6	92
EDGE00456610	Happy Valley	$PM_{2.5}$	22-Jul-26	02:00	03:00	80.8	2.2	241
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	17:00	18:00	81.3	1.1	60
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	19:00	20:00	88.4	4.2	14
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	20:00	21:00	84.8	3.6	345
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	21:00	22:00	89.1	2.8	337
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	22:00	23:00	88.7	1.4	324
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	23:00	00:00	88.7	1.1	281
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	00:00	01:00	88.4	2.1	261
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	01:00	02:00	90.7	3.3	259
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	02:00	03:00	88.7	4.2	252
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	03:00	04:00	90.3	6.9	264
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	04:00	05:00	94.7	6.5	256
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	05:00	06:00	95.9	6.9	257
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	06:00	07:00	91.7	7.1	257
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	07:00	08:00	88.6	6.2	252
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	08:00	09:00	89.0	7.4	245
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	09:00	10:00	84.3	6.6	243
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	10:00	11:00	80.6	2.6	188
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	12:00	13:00	81.3	2.4	157
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	14:00	15:00	80.1	3.2	103
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	16:00	17:00	80.2	2.4	88

Readings above the 24hr $PM_{2.5}$ AAAQO (29µg/m³) recorded as follows:

Reference Number	Site	Pollutant	Date	Average µg/m³	WS km/hr	WD degrees
EDGE00456607	Beaverlodge	$PM_{2.5}$	19-Jul-26	52.9	12.0	36
EDGE00456607	Beaverlodge	$PM_{2.5}$	20-Jul-26	97.8	10.4	68

Reference Number	Site	Pollutant	Date	Average µg/m³	WS km/hr	WD degrees
EDGE00456607	Beaverlodge	$PM_{2.5}$	21-Jul-26	87.2	5.5	78
EDGE00456607	Beaverlodge	$PM_{2.5}$	22-Jul-26	37.8	12.9	230
EDGE00456607	Beaverlodge	$PM_{2.5}$	26-Jul-26	30.9	4.2	359
EDGE00456608	Dunes	$PM_{2.5}$	19-Jul-26	50.4	7.6	299
EDGE00456608	Dunes	$PM_{2.5}$	20-Jul-26	57.7	2.6	235
EDGE00456608	Dunes	$PM_{2.5}$	21-Jul-26	51.0	2.7	138
EDGE00456611	Henry Pirker	$PM_{2.5}$	19-Jul-26	63.2	11.1	293
EDGE00456611	Henry Pirker	$PM_{2.5}$	20-Jul-26	95.0	3.4	296
EDGE00456611	Henry Pirker	$PM_{2.5}$	21-Jul-26	71.3	3.3	104
EDGE00456611	Henry Pirker	$PM_{2.5}$	22-Jul-26	38.4	5.3	244
EDGE00456611	Henry Pirker	$PM_{2.5}$	26-Jul-26	30.1	3.2	55
EDGE00456611	Henry Pirker	$PM_{2.5}$	31-Jul-26	29.3	4.2	189
EDGE00456612	Smoky Heights	$PM_{2.5}$	19-Jul-26	44.8	14.7	298
EDGE00456612	Smoky Heights	$PM_{2.5}$	20-Jul-26	53.2	5.5	284
EDGE00456612	Smoky Heights	$PM_{2.5}$	21-Jul-26	42.0	4.5	186
EDGE00456609	Fox Creek	$PM_{2.5}$	20-Jul-26	121.3	4.2	327
EDGE00456609	Fox Creek	$PM_{2.5}$	21-Jul-26	68.0	2.8	148
EDGE00456609	Fox Creek	$PM_{2.5}$	22-Jul-26	40.4	3.8	227
EDGE00456609	Fox Creek	$PM_{2.5}$	26-Jul-26	48.5	2.7	266
EDGE00456609	Fox Creek	$PM_{2.5}$	27-Jul-26	37.3	2.5	272
EDGE00456609	Fox Creek	$PM_{2.5}$	31-Jul-26	46.8	2.7	62
EDGE00456610	Happy Valley	$PM_{2.5}$	19-Jul-26	66.4	13.7	286
EDGE00456610	Happy Valley	$PM_{2.5}$	20-Jul-26	147.2	5.4	270
EDGE00456610	Happy Valley	$PM_{2.5}$	21-Jul-26	136.1	6.7	140
EDGE00456610	Happy Valley	$PM_{2.5}$	22-Jul-26	40.4	7.7	250
EDGE00456610	Happy Valley	$PM_{2.5}$	26-Jul-26	34.2	6.9	104
EDGE00456604	Milner	$PM_{2.5}$	20-Jul-26	49.6	2.9	273
EDGE00457034	Milner	$PM_{2.5}$	21-Jul-26	79.6	4.1	260
EDGE00457035	Milner	$PM_{2.5}$	22-Jul-26	35.9	5.9	245
EDGE00457039	Milner	$PM_{2.5}$	26-Jul-26	37.6	3.6	270
EDGE00457040	Milner	$PM_{2.5}$	31-Jul-26	54.3	3.0	286

Operational times less than 90 percent

All equipment operated above 90% for the month with the exception of CH4 and NMHC from Grande Prairie Henry Pirker, when then THC 55i was replaced with THC 51i (which only measures for THC). Near the end of the month the THC 51i was replaced with a MOCON 9000, for collection of THC, CH4 and NMHC), reference EDGE00455384

Air Incidents

None to report

AEPA audit performed

None to report

Deviations from Authorized Monitoring Methods

Due to failure of 55i THC/CH4/NMHC analyzer at Grande Prairie-Henry Pirker, a 51i spare was installed resulting in only THC being reported for majority of the month. A MOCON 9000 was installed to collect all three parameters again

Passive Monitoring

54 Stations throughout the PAZA zone

- Passive sample analyses were performed by Bureau Veritas Laboratories

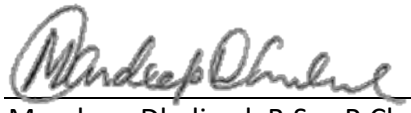
There were 20 duplicates sampled in the month of July:

- Eight SO_2 duplicates located at Boone Creek, Sylvester, Puskwaskau, Clouston Creek, Duvernay 2, Kakwa 1, Milner Powerline, Jayar2 14-8
  - RPD ranging from 0% to 45% (no fails)
  - Duplicate sample at Milner Powerline were <0.1ppb
- One O_3 duplicate at Bay Tree
  - RPD of 13% (no fail)
- Seven NO_2 duplicates at Beaverlodge, Pinto Creek, Jean Cote, Kinuso, Kakwa 4, Milner Pipeline, Jayar3 Bone Yard
  - RPD ranging from 0% to 22% (no fails)
- Four H_2S duplicates at Girouxville 3, Duvernay 2, Kakwa 3, Jayar1 Plant
  - RPD ranging from 13% to 67% (one fail, Kakwa 3, 0.02 and 0.04 ppb)

Dustfall Monitoring

- Five Stations collected Total Dustfall and Fixed Dustfall
- Total dustfall ranged from 26.0 to 109.6 mg/100cm²/30day
- RPD was 9 to 40% (no fails)

I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization, and reporting requirements.

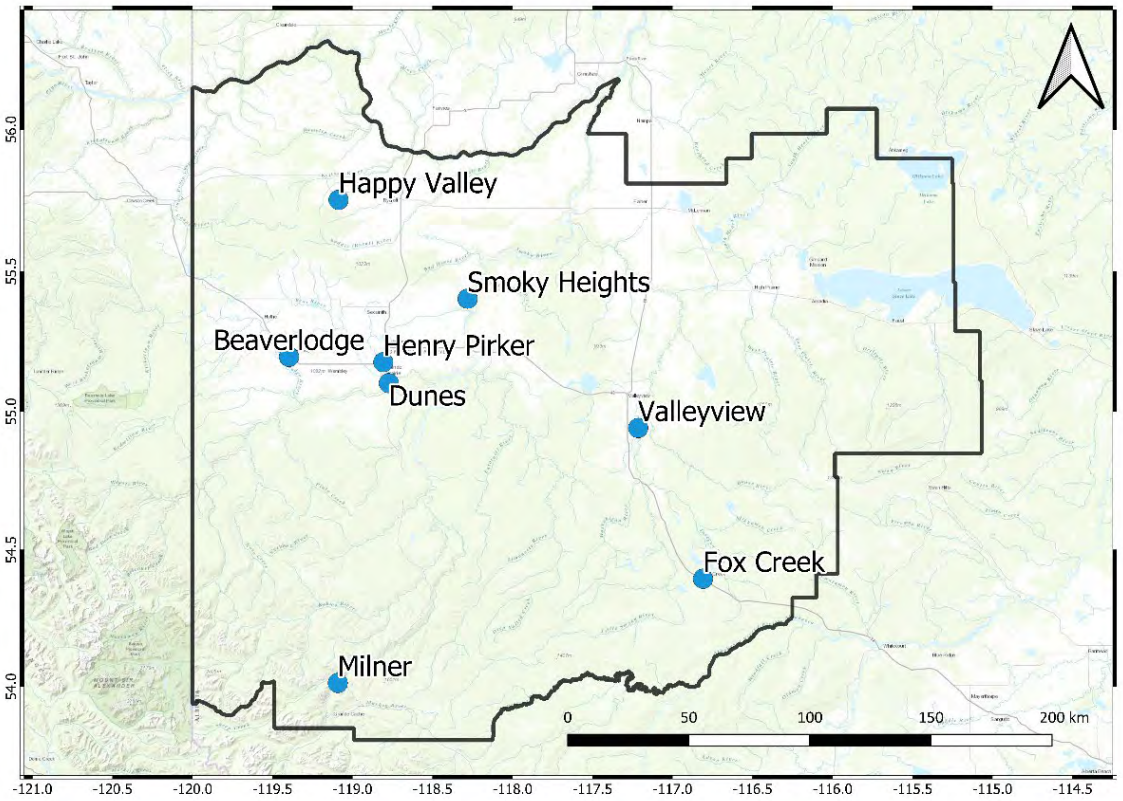


Mandeep Dhaliwal, B.Sc., P.Chem.
Program Manager

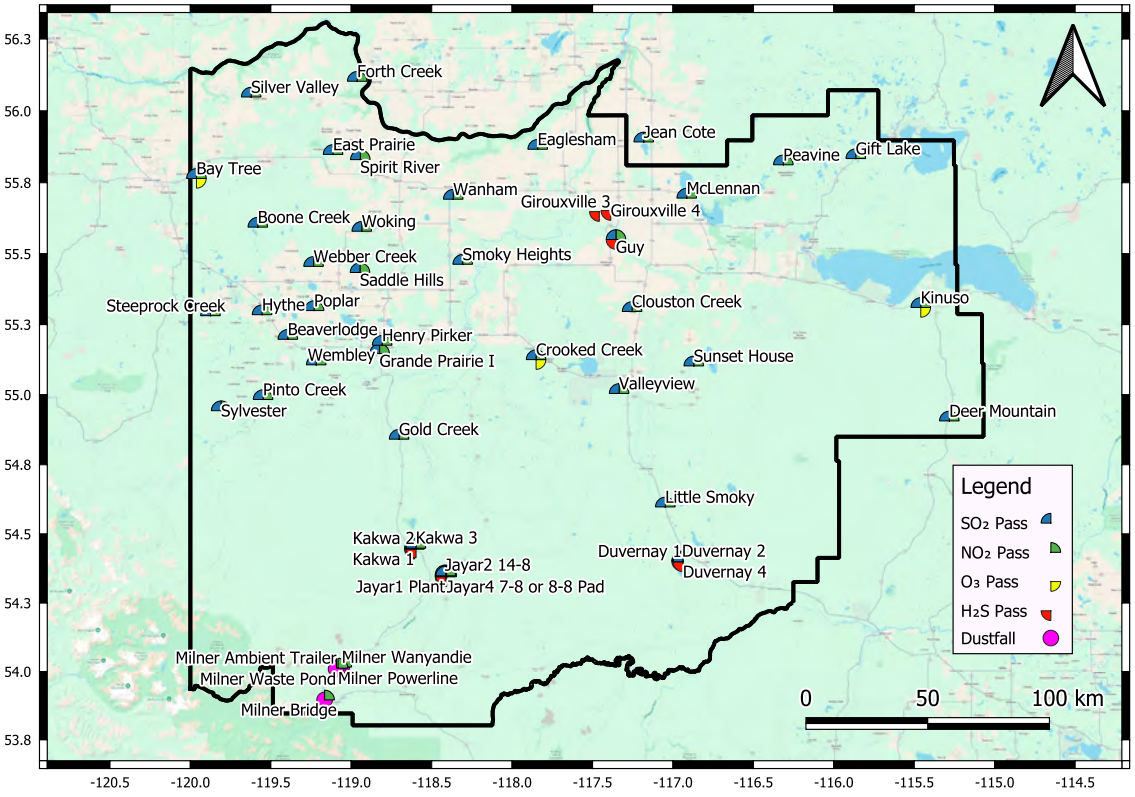
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PAZA Continuous Monitoring Station Locations



PAZA Passive Monitoring Station Locations



1 July 2026 Monthly Station Summaries

The following summaries are for the equipment and data results from the continuous ambient work

1.1 Beaverlodge Air Monitoring Station

PAZA - July 2026 Beaverlodge Station Report

Parameter	July Average	Minimum	Valid	Operational	1-hour Max	1-hour Objective	1-hour Max Day and Time	24-hour Max	24-hour Objective	24-hour Max Day	Exceedance 1hr	Exceedance 8hr	Exceedance 24hr	Exceedance 30d	Calibration Date
NO (ppb)	0.4	0.0	94.0%	98.8%	12.3	-	Jul-30 09:00	1.3	-	Jul-30	-	-	-	-	Jul 14, 2026
NO_2 (ppb)	2.4	0.3	94.0%	98.8%	11.0	159	Jul-17 04:00	4.8	-	Jul-26	0	-	-	-	Jul 14, 2026
NO_x (ppb)	2.7	0.4	94.0%	98.8%	22.3	-	Jul-30 09:00	5.7	-	Jul-21	-	-	-	-	Jul 14, 2026
O_3 (ppb)	25.5	2.1	94.2%	98.8%	54.9	76	Jul-17 14:00	35.6	-	Jul-17	0	-	-	-	Jul 14, 2026
$PM_{2.5}$ (µg/m³)	13.9	0.4	98.7%	98.8%	201.2	80	Jul-20 17:00	97.8	29	Jul-20	29	-	5	-	Jul 21, 2026
SO_2 (ppb)	0.5	0.0	94.2%	98.8%	70.4	172	Jul-28 13:00	5.5	48	Jul-28	0	-	0	0	Jul 21, 2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	16.9	6.9	98.8%	98.9%	30.9
RH (%)	61.7	17.8	98.8%	98.9%	100.1
WS (km/hr)	9.9	0.5	98.8%	99.2%	43.1
WD (deg)	224	1.7	98.8%	99.2%	357.8

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Average Wind Direction 224 SW

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_x$	Thermo	42iQ	Jul 18, power failure, recovered ok (5hrs); Jul 21, data communication fail (2hrs); Jul 22, power failure, recovered ok (2hrs)
O_3	Thermo	49iQ	Jul 18, power failure, recovered ok (5hrs); Jul 21, data communication fail (2hrs); Jul 22, power failure, recovered ok (2hrs)
$PM_{2.5}$	API	T640	Jul 18, power failure, recovered ok (5hrs); Jul 21, data communication fail (2hrs); Jul 22, power failure, recovered ok (2hrs); 29x1hr readings above AAAQG and 5x24hr readings above AAAQO
SO_2	Thermo	43i-TLE	Jul 18, power failure, recovered ok (5hrs); Jul 21, data communication fail (2hrs); Jul 22, power failure, recovered ok (2hrs)
Met Equip	RM Young	05305VK	Jul 18, power failure, recovered ok (4hrs); Jul 21, annual meteorology calibration; Jul 22, power failure, recovered ok (2hrs)

1.2 Dunes Air Monitoring Station

PAZA - July 2026 Dunes Station Report

Parameter	July Average	Minimum	Valid	Operational	30min / 1-hour Max	30min / 1-hour Objective	30min / 1-hour Max Day and Time	24-hour Max	24-hour Objective	24-hour Max Day	Exceedance 1hr	Exceedance 8hr	Exceedance 24hr	Exceedance 30d	Calibration Date
$PM_{2.5}$ (µg/m³)	11.0	0.1	98.5%	98.7%	128.2	80	Jul-19 19:00	57.7	29	Jul-20	8	-	3	-	Jul-07-2026
SO_2 (ppb)	0.3	0.0	95.2%	99.9%	8.9	172	Jul-24 09:00	1.0	48	Jul-07	0	-	0	0	Jul-07-2026
TRS (ppb)	0.5	0.0	95.2%	99.9%	2.2	5	Jul-23 01:00	0.9	-	Jul-21	0	-	-	-	Jul-07-2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	17.3	4.2	100.0%	100.0%	32.0
RH (%)	62.1	15.9	100.0%	100.0%	99.9
WS (km/hr)	5.2	0.1	100.0%	100.0%	15.9
WD (deg)	248	0.3	100.0%	100.0%	358.0

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Average Wind Direction 248 WSW

Update Summary:

Parameter	Make	Model	Equipment summary
$PM_{2.5}$	Thermo	SHARP 5030	Jul 17, communication failure, 1hr removed; Jul 23, data flatlined (9hrs); 8x1hr readings above AAAQG and 3x24hr readings above AAAQO
SO_2	Thermo	43i	Jul 17, communication failure, 1hr removed
TRS	Thermo	43i	Jul 17, communication failure, 1hr removed
Met Equip	Gil/RMYoung	MetPak/RMY86004	No operational issues noted during the month

1.3 Grande Prairie - Henry Pirker Air Monitoring Station

PAZA - July 2026 Henry Pirker Station Report

Parameter	July Average	Minimum	Valid	Operational	1-hour Max	1-hour Objective	1-hour Max Day and Time	8-hour / 24-hour Max	8-hour / 24-hour Objective	8-hour / 24-hour Max Day	Exceedance 1hr	Exceedance 8hr	Exceedance 24hr	Exceedance 30d	Calibration Date
NO (ppb)	0.7	0.0	95.2%	100.0%	19.5	-	Jul-21 09:00	3.2	-	Jul-21	-	-	-	-	Jul 06, 2026
NO_2 (ppb)	3.6	0.6	95.2%	100.0%	15.3	159	Jul-21 09:00	6.2	-	Jul-21	0	-	-	-	Jul 06, 2026
NO_x (ppb)	4.3	0.7	95.2%	100.0%	35.1	-	Jul-21 09:00	9.5	-	Jul-21	-	-	-	-	Jul 06, 2026
O_3 (ppb)	24.6	0.9	95.4%	100.0%	56.9	76	Jul-17 12:00	33.2	-	Jul-18	0	-	-	-	Jul 06, 2026
$PM_{2.5}$ (µg/m³)	14.7	0.5	99.9%	100.0%	172.5	80	Jul-19 19:00	95.0	29	Jul-20	29	-	6	-	Jul 27, 2026
SO_2 (ppb)	0.3	0.0	95.3%	100.0%	11.3	172	Jul-18 19:00	1.2	48	Jul-18	0	-	0	0	Jul 06, 2026
H_2S (ppb)	0.1	0.0	95.3%	100.0%	1.4	10	Jul-06 06:00	0.3	3	Jul-17	0	-	0	-	Jul 08, 2026
CH4 (ppm)	-	-	13.3%	14.5%	-	-	-	-	-	-	-	-	-	-	Jul 27, 2026
THC (ppm)	2.2	2.0	94.8%	99.7%	4.1	-	Jul-24 02:00	2.4	-	Jul-21	-	-	-	-	Jul 27, 2026
NMHC (ppm)	-	-	13.3%	14.5%	-	-	-	-	-	-	-	-	-	-	Jul 27, 2026
CO (ppm)	0.2	0.1	95.3%	100.0%	0.9	13	Jul-19 19:00	0.5	5	Jul-20	0	0	-	-	Jul 08, 2026

	Average	Minimum	Valid	Operational	Maximum		
Temp (°C)	18.1	6.6	99.7%	100.0%	32.2		Jul 27, 2026
RH (%)	57.6	19.6	99.7%	100.0%	89.8		Jul 27, 2026
SR (W/m²)	216.2	0.0	99.7%	100.0%	921.0		Jul 27, 2026
WS (km/hr)	6.9	0.2	99.3%	99.6%	25.7		Jul 27, 2026
WD (deg)	256	6.8	99.3%	99.6%	358.4	Average Wind Direction 256 WSW	Jul 27, 2026

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_X$	Thermo	42i	No operational issues noted during the month
O_3	TECO	49i	No operational issues noted during the month
$PM_{2.5}$	API	T640	No operational issues noted during the month; 29x1hr readings above AAAQG and 6x24hr readings above AAAQO
SO_2	Thermo	43i-TLE	No operational issues noted during the month
H_2S	TEI	450i	No operational issues noted during the month
$THC/CH_4/NMHC$	TEI	51i	Jul 27, shutdown TEI 51i (THC), startup MOCON 9000 (THC/CH4/NMHC); Jul 28-29 AIC not run, Jul 30 onward AIC ran (2hrs)
CO	Thermo	48i-TLE	No operational issues noted during the month
Met Equip	MetOne	50.5	Jul 27, annual calibration performed; Jul 28, wind speed flatlined (3hrs)

1.4 Smoky Heights Air Monitoring Station

PAZA - July 2026 Smoky Heights Station Report

Parameter	July Average	Minimum	Valid	Operational	30min / 1-hour Max	30min / 1-hour Objective	30min / 1-hour Max Day and Time	24-hour Max	24-hour Objective	24-hour Max Day	Exceedance 1hr	Exceedance 8hr	Exceedance 24hr	Exceedance 30d	Calibration Date
$PM_{2.5}$ (µg/m³)	10.3	0.0	97.2%	97.6%	160.9	80	Jul-19 18:00	53.2	29	Jul-20	12	-	3	-	Jul 02, 2026
SO_2 (ppb)	0.3	0.0	95.3%	100.0%	8.1	172	Jul-12 12:00	0.9	48	Jul-05	0	-	0	0	Jul 02, 2026
TRS (ppb)	0.1	0.0	90.9%	95.8%	0.6	5	Jul-22 02:30	0.3	-	Jul-26	0	-	-	-	Jul 02, 2026

	Average	Minimum	Valid	Operational	Maximum		
Temp (°C)	16.7	4.0	99.2%	100.0%	30.8		
WS (km/hr)	10.6	0.4	99.2%	100.0%	37.9		Jul 02, 2026
WD (deg)	247	0.3	99.2%	100.0%	359.3	Average Wind Direction 247 WNW	Jul 02, 2026

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Update Summary:

Parameter	Make	Model	Equipment summary
$PM_{2.5}$	Sharp	5030	Jul 5-6, pump failed, needed to be replaced with spare, calibration check performed, no adjustments (17hrs removed, 1hr maintenance); 12x1hr readings above AAAQG and 3x24hr readings above AAAQO
SO_2	TECO	43i	No operational issues noted during the month
TRS	TEI	43I APSAA	Jul 2, AIC failed, calibration performed and failed, data removed to last good span Jul 1 (31hrs removed), SOx scrubber replacement performed and unit recalibrated, passing ok
Met Equip	MetOne	50.5	Jul 2, annual calibration performed, no issues noted

1.5 Valleyview Air Monitoring Station

PAZA - July 2026 Valleyview Station Report

Parameter	July Average	Minimum	Valid	Operational	1-hour Max	1-hour Objective	1-hour Max Day and Time	24-hour Max	24-hour Objective	24-hour Max Day	Exceedance 1hr	Exceedance 8hr	Exceedance 24hr	Exceedance 30d	Calibration Date
SO_2 (ppb)	0.1	0.0	95.3%	100.0%	4.8	172	Jul-29 10:00	0.5	48	Jul-29	0	-	0	0	Jul 09, 2026
H_2S (ppb)	0.2	0.0	95.3%	100.0%	2.9	10	Jul-05 18:00	0.5	3	Jul-29	0	-	0	-	Jul 09, 2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	17.4	5.6	100.0%	100.0%	33.4
RH (%)	72.0	24.0	100.0%	100.0%	100.3
WS (km/hr)	4.3	0.0	100.0%	100.0%	16.8
WD (deg)	255	1.1	100.0%	100.0%	359.5

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Average Wind Direction 255 NW

Update Summary:

Parameter	Make	Model	Equipment summary
SO_2	TEI	43i-APSCB	No operational issues noted during the month
H_2S	TEI	450i-APHAA / 43C	No operational issues noted during the month
Met Equip	RMYoung	RMY86004	No operational issues noted during the month

1.6 Fox Creek Air Monitoring Station

PAZA - July 2026 Fox Creek Station Report

Parameter	July Average	Minimum	Valid	Operational	1-hour Max	1-hour Objective	1-hour Max Day and Time	8-hour / 24-hour Max	8-hour / 24-hour Objective	8-hour / 24-hour Max Day	Exceedance 1hr	Exceedance 8hr	Exceedance 24hr	Exceedance 30d	Calibration Date
NO (ppb)	3.0	0.0	94.9%	99.7%	36.8	-	Jul-22 06:00	7.8	-	Jul-30	-	-	-	-	**Jul 19, 2026**
NO_2 (ppb)	3.9	0.2	94.9%	99.7%	16.6	159	Jul-28 07:00	8.1	-	Jul-28	0	-	-	-	**Jul 19, 2026**
NO_X (ppb)	7.1	0.3	94.9%	99.7%	43.0	-	Jul-22 06:00	14.4	-	Jul-28	-	-	-	-	**Jul 19, 2026**
O_3 (ppb)	22.0	0.2	94.9%	99.6%	57.5	76	Jul-18 15:00	40.3	-	Jul-18	0	-	-	-	**Jul 19, 2026**
$PM_{2.5}$ (µg/m³)	18.6	1.0	99.9%	100.0%	**237.0**	**80**	**Jul-20 06:00**	**121.3**	**29**	**Jul-20**	**33**	-	**6**	-	**Jul 20, 2026**
SO_2 (ppb)	0.4	0.0	95.3%	100.0%	29.6	172	Jul-24 07:00	2.4	48	Jul-24	0	-	0	0	**Jul 19, 2026**
H_2S (ppb)	0.1	0.0	93.6%	97.9%	1.1	10	Jul-14 13:00	0.4	3	Jul-20	0	-	0	-	**Jul 19, 2026**

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	17.1	4.0	99.6%	100.0%	31.3
WS (km/hr)	5.2	0.1	99.6%	100.0%	18.0
WD (deg)	225	0.3	99.6%	100.0%	359.9

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Jul 20, 2026

Jul 20, 2026

Average Wind Direction 225 SW

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_X$	Thermo	42IQ	Jul 14, excessive drift and balance of nitrogen (2hrs removed)
O_3	TECO	S	Jul 18, manual AIC check, no issues (2hrs); Jul 29, manual AIC check, no issues (1hr)
$PM_{2.5}$	API	T640	No operational issues noted during the month, 33x1hr readings above AAAQG and 6x24hr readings above AAAQO
SO_2	TEI	43I-TLE	No operational issues noted during the month
H_2S	TEI	450i	Jul 18, failed daily AIC, manual check performed also failed (3hrs); Jul 19, failed daily AIC, removal calibration performed (passed), SOX scrubber changed, install calibration passed, no additional data removed (1hr); July 20, failed daily AIC, manual check performed ok (4hrs); Jul 21, failed daily AIC (1hr); Jul 29, excessive drift (1hr); Jul 30 failed daily AIC, manual check performed, came with targets, no additional data removed (4hrs); Jul 31, failed daily AIC
Met Equip	MetOne	50.5	Jul 20, annual calibration performed, no issues noted

1.7 Happy Valley Air Monitoring Station

PAZA - July 2026 Happy Valley Station Report

Parameter	July Average	Minimum	Valid	30min / 1-hour Operational	Max	Objective	Max Day and Time	24-hour Max	Objective	Max Day	Exceedance 1hr	8hr	24hr	30d	Calibration Date
NO (ppb)	0.9	0.0	93.2%	98.0%	38.8	-	Jul-23 04:00	3.6	-	Jul-22	-	-	-	-	Jul 13, 2026
NO_2 (ppb)	2.8	0.3	93.2%	98.0%	23.8	159	Jul-23 04:00	6.0	-	Jul-21	0	-	-	-	Jul 13, 2026
NO_x (ppb)	3.7	0.4	93.2%	98.0%	62.9	-	Jul-23 04:00	9.4	-	Jul-22	-	-	-	-	Jul 13, 2026
O_3 (ppb)	23.9	1.0	93.3%	98.0%	47.3	76	Jul-21 17:00	34.1	-	Jul-18	0	-	-	-	Jul 13, 2026
$PM_{2.5}$ (µg/m³)	18.6	0.6	98.1%	98.3%	**242.8**	**80**	**Jul-20 13:00**	**147.2**	**29**	**Jul-20**	**61**	-	**5**	-	Jul 12, 2026
SO_2 (ppb)	0.4	0.0	92.9%	97.4%	6.5	172	Jul-01 17:00	1.0	48	Jul-06	0	-	0	0	Jul 13, 2026
TRS (ppb)	0.5	0.2	93.3%	98.0%	2.0	5	Jul-26 20:00	0.9	-	Jul-26	0	-	-	-	Jul 13, 2026
CH4 (ppm)	2.0	2.0	88.2%	92.6%	2.5	-	Jul-26 00:00	2.1	-	Jul-21	-	-	-	-	Jul 12, 2026
THC (ppm)	2.0	2.0	88.2%	92.6%	2.6	-	Jul-26 00:00	2.1	-	Jul-21	-	-	-	-	Jul 12, 2026
NMHC (ppm)	0.0	0.0	88.2%	92.6%	0.2	-	Jul-13 04:00	0.0	-	Jul-21	-	-	-	-	Jul 12, 2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	16.8	8.0	98.3%	98.3%	30.8
WS (km/hr)	9.6	0.4	98.3%	98.3%	29.4
WD (deg)	246	3.1	98.3%	98.3%	355.6

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

Average Wind Direction 246 WSW

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_x$	TEI	42i	Jul 10-11, power failure (13hrs); Jul 22, data check (2hrs)
O_3	TEI	49I	Jul 10-11, power failure (13hrs); Jul 22, data check (2hrs)
$PM_{2.5}$	API	T640	Jul 10-11, power failure (13hrs); 61x1hr readings above AAAQG and 5x24hr readings above AAAQO
SO_2	TEI	43I	Jul 10-11, power failure (13hrs); Jul 22, data check maintenance (6hrs)
TRS	TEI	43I	Jul 10-11, power failure (13hrs); Jul 22, data check (2hrs)
$THC/CH_4/NMHC$	TEI	55i	Jul 10-12, power failure, resulted in issues keeping the flame lit, no removal cal possible, replaced the ignitor, and performed install calibration Jul 12 (52hrs); Jul 22, data check (2hrs); Jul 29 excessive drift (1hr)
Met Equip	MetOne	50.5	Jul 10-11, power failure (13hrs)

1.8 Milner Air Monitoring Station

PAZA - July 2026 Milner Station Report

Parameter	July Average	Minimum	Valid	Operational	1-hour Max	Objective	Max Day and Time	24-hour Max	Objective	Max Day	Exceedance 1hr	8hr	24hr	30d	Calibration Date
NO (ppb)	0.6	0.0	92.8%	97.7%	14.7	-	Jul-25 08:00	1.3	-	Jul-28	-	-	-	-	Jul 14, 2026
NO_2 (ppb)	1.2	0.0	92.8%	97.7%	8.9	159	Jul-25 08:00	2.4	-	Jul-20	0	-	-	-	Jul 14, 2026
NO_x (ppb)	1.8	0.0	92.8%	97.7%	23.7	-	Jul-25 08:00	3.3	-	Jul-20	-	-	-	-	Jul 14, 2026
$PM_{2.5}$ (µg/m³)	16.1	0.3	97.6%	97.7%	**95.9**	**80**	**Jul-21 06:00**	**79.6**	**29**	**Jul-21**	**20**	-	**5**	-	Jul 14, 2026

	Average	Minimum	Valid	Operational	Maximum
WS (km/hr)	5.5	0.3	97.7%	98.0%	25.8
WD (deg)	256	1.4	97.7%	98.0%	359.1

Note: Valid hours must be greater than 75%
Operational hours must be greater than 90%

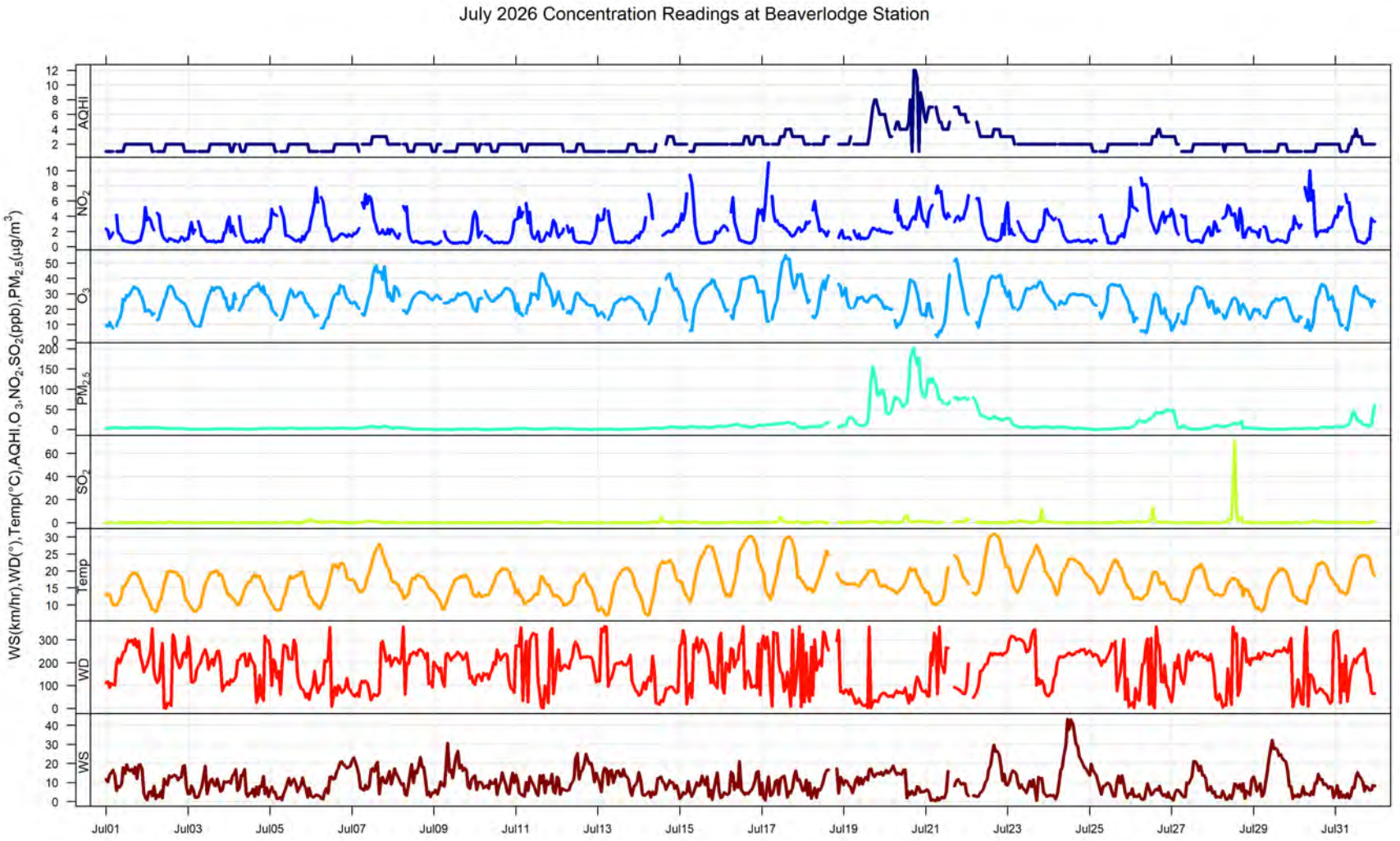
Average Wind Direction 256 WSW

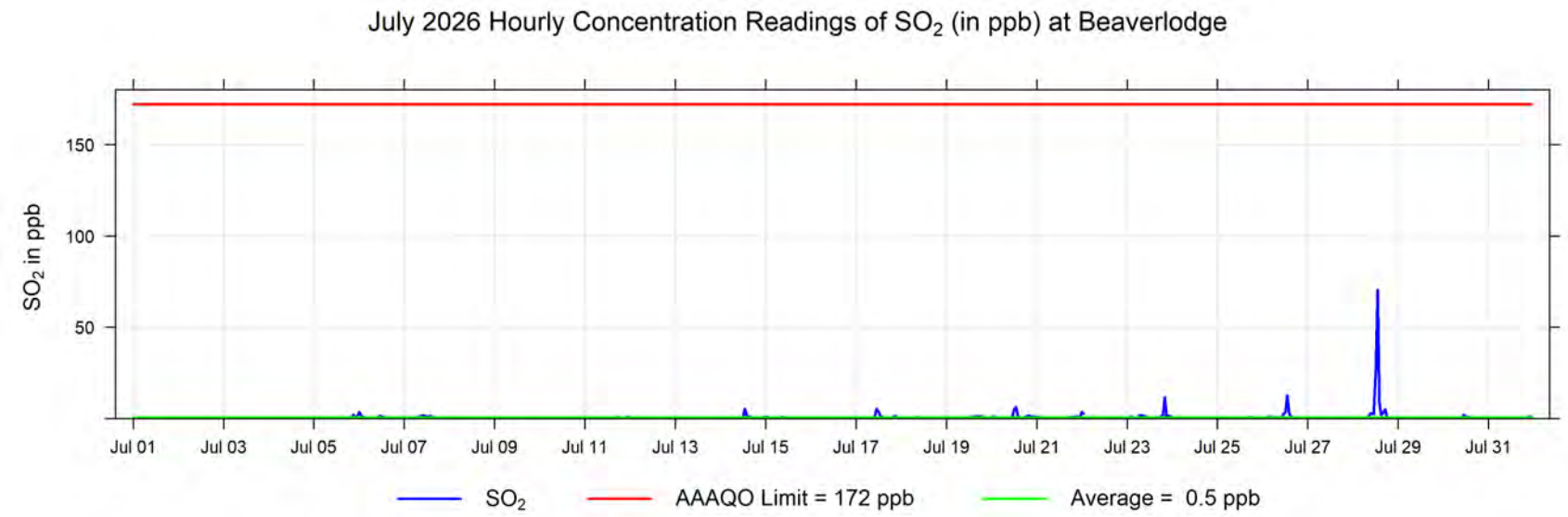
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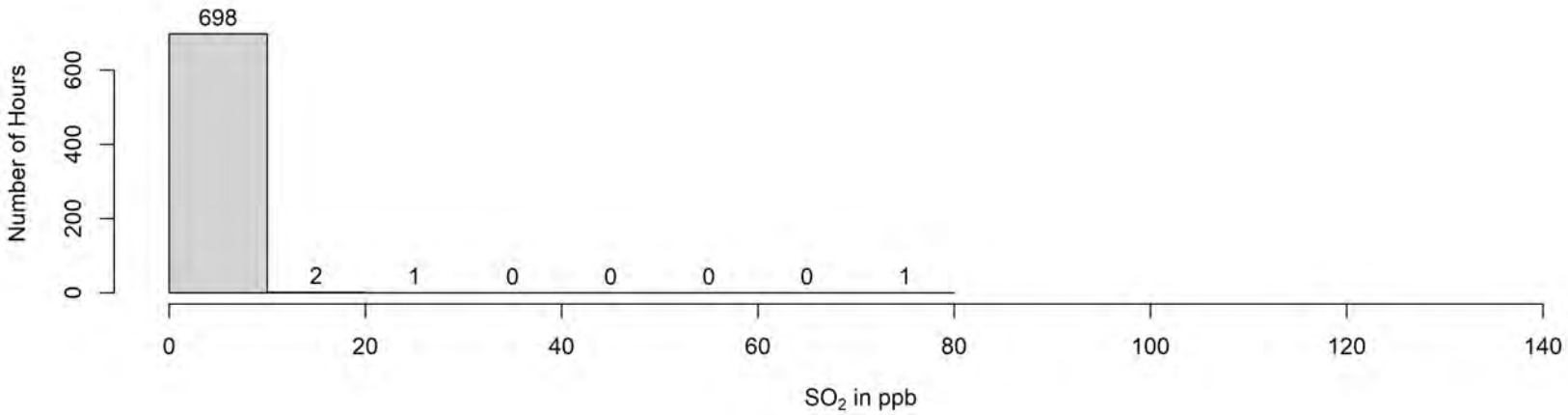
Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_x$	Thermo	42i	Jul 7, power failure (6hrs); Jul 21, AIC fail, all remaining checks ok; Jul 25, power failure (10hrs)
$PM_{2.5}$	API	T640	Jul 7, power failure (7hrs); Jul 25, power failure (10hrs); 20x1hr readings above AAAQG and 6x24hr readings above AAAQO
Met Equip	MetOne	50.5	Jul 7, power failure (5hrs); Jul 14, annual calibration performed; Jul 25, power failure (10hrs)

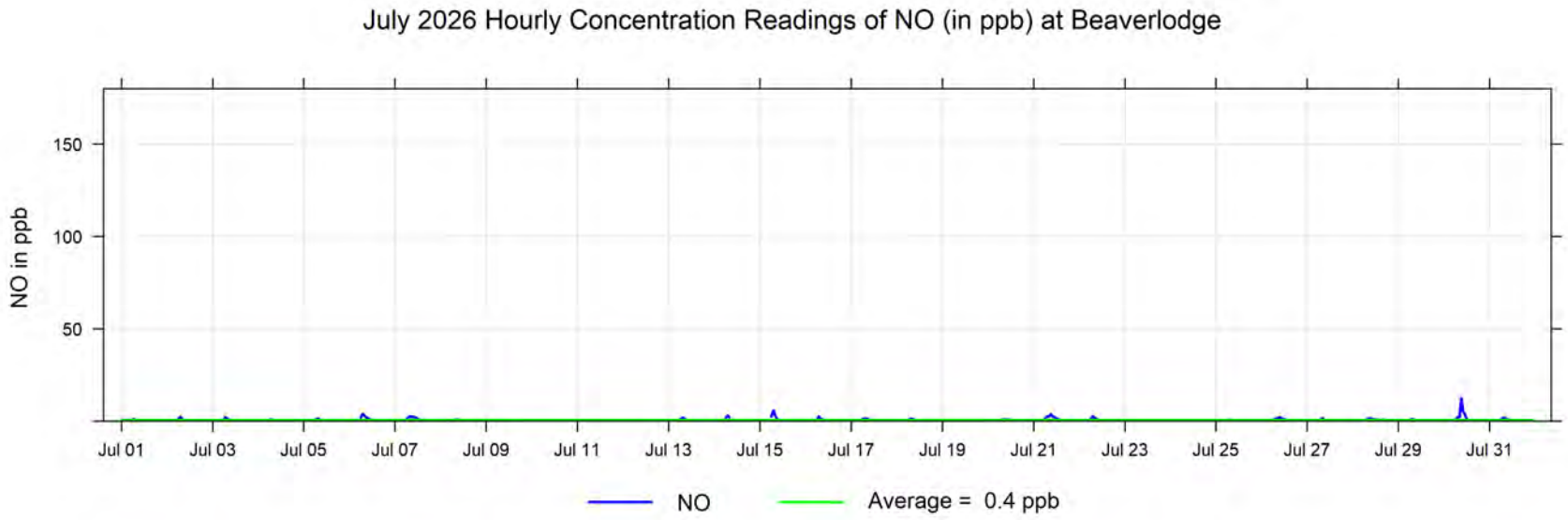
2 Beaverlodge Charts

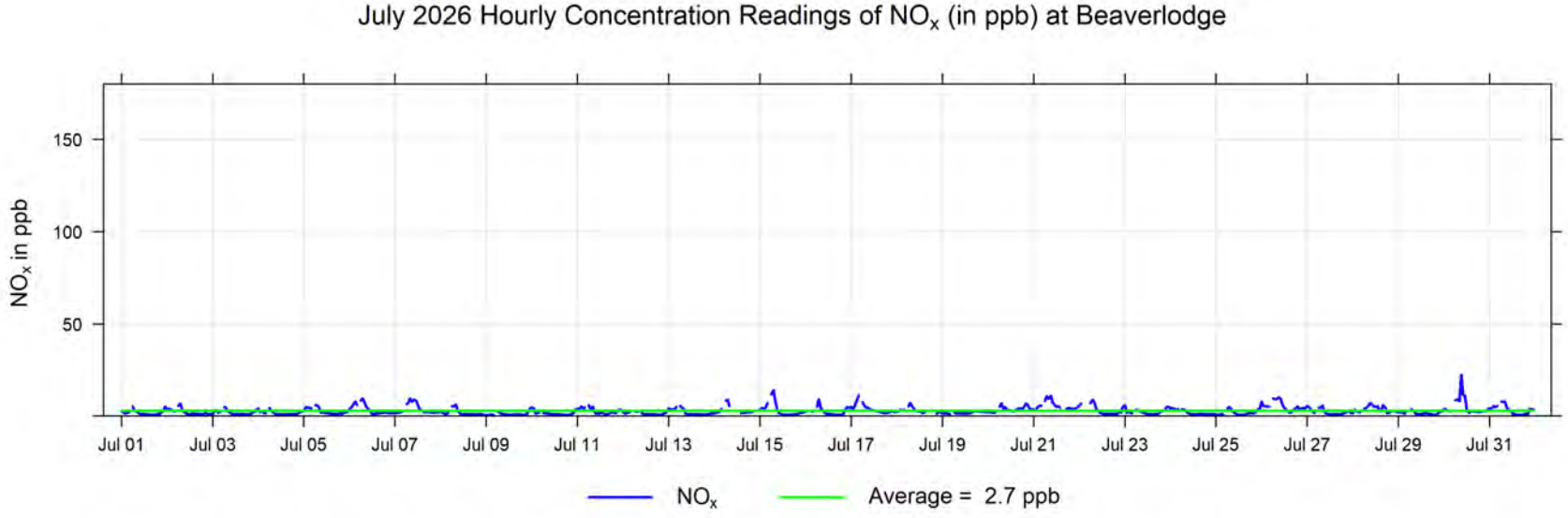
The following pages include the charts and histograms for Beaverlodge Station

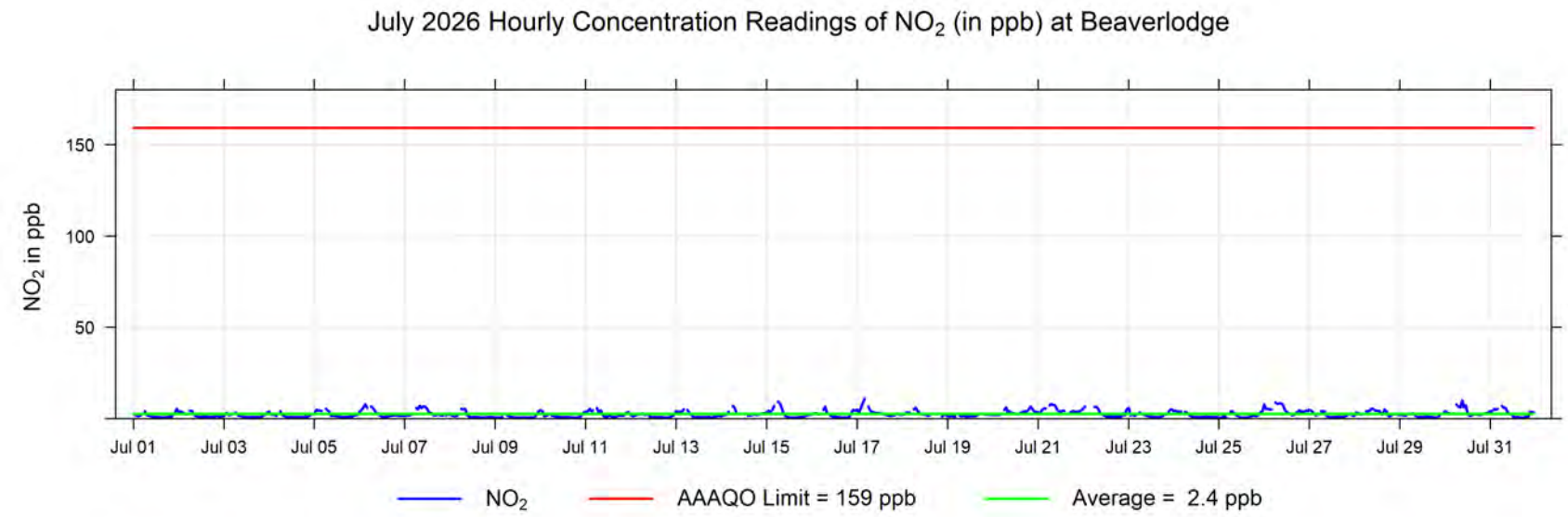


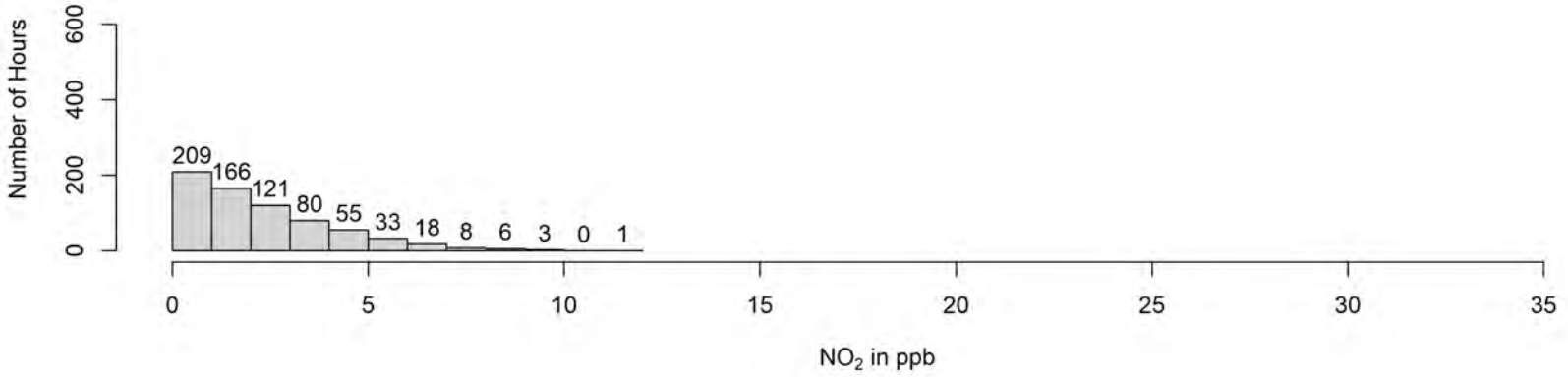

July 2026 Hourly Concentration Readings of SO2 (in ppb) at Beaverlodge
SO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO2
AAAQO Limit = 172 ppb
Average = 0.5 ppb

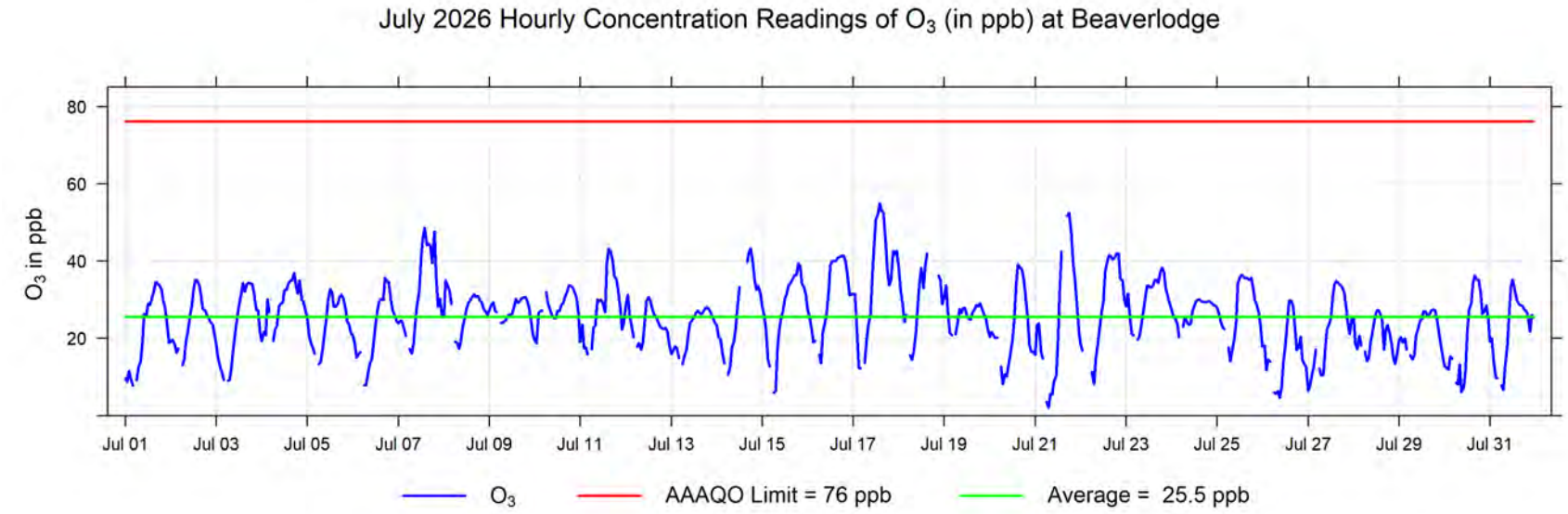

Number of Hours
0
200
400
600
698
2
1
0
0
0
0
1
0
20
40
60
80
100
120
140
SO2 in ppb

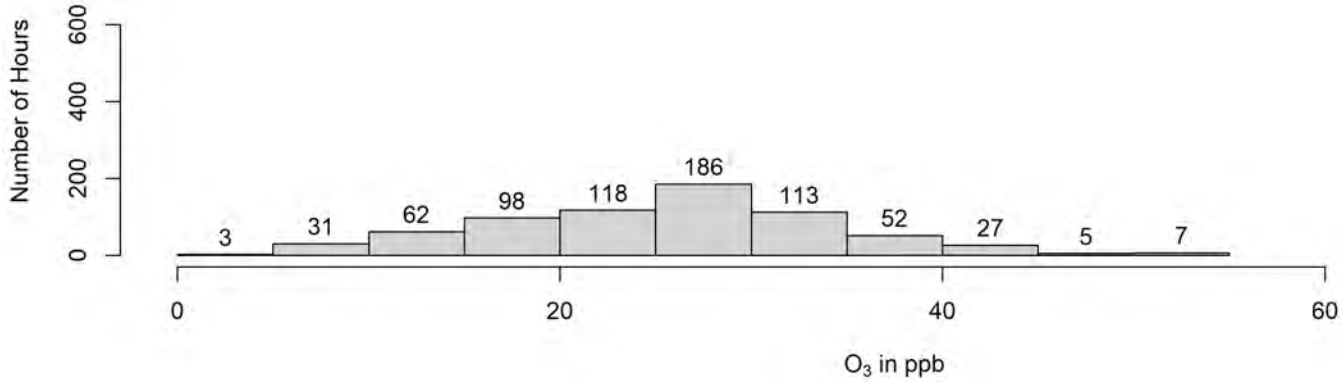

July 2026 Hourly Concentration Readings of NO (in ppb) at Beaverlodge
NO in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO
Average = 0.4 ppb

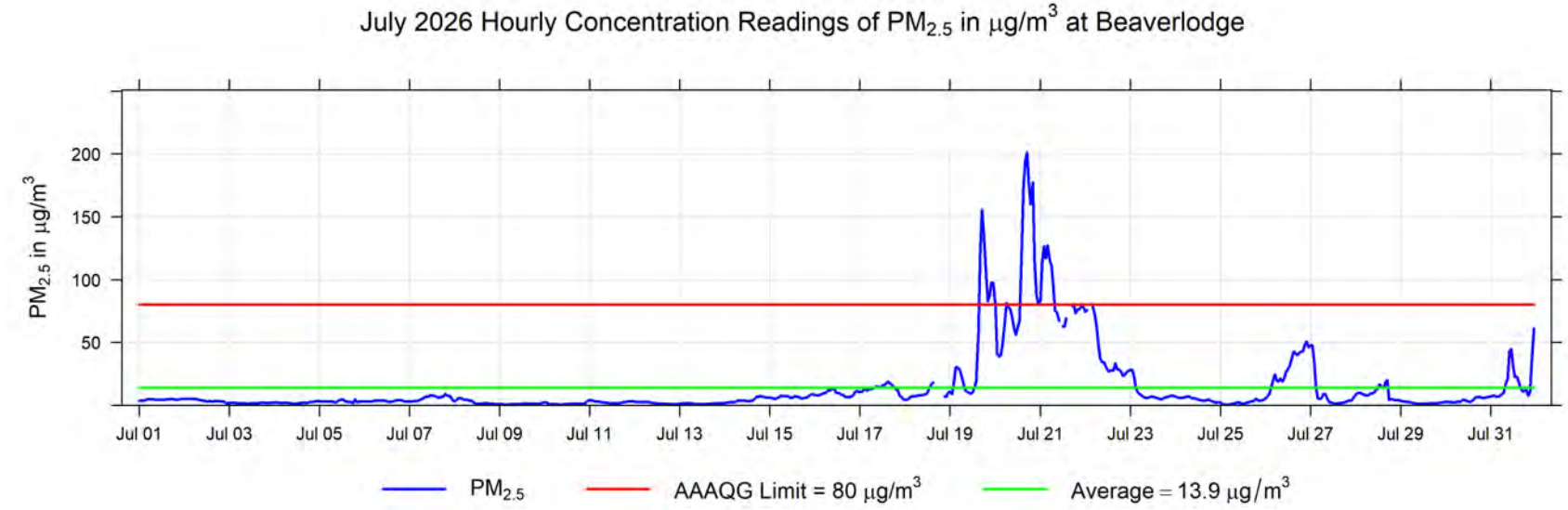

July 2026 Hourly Concentration Readings of NOx (in ppb) at Beaverlodge
NOx in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NOx
Average = 2.7 ppb

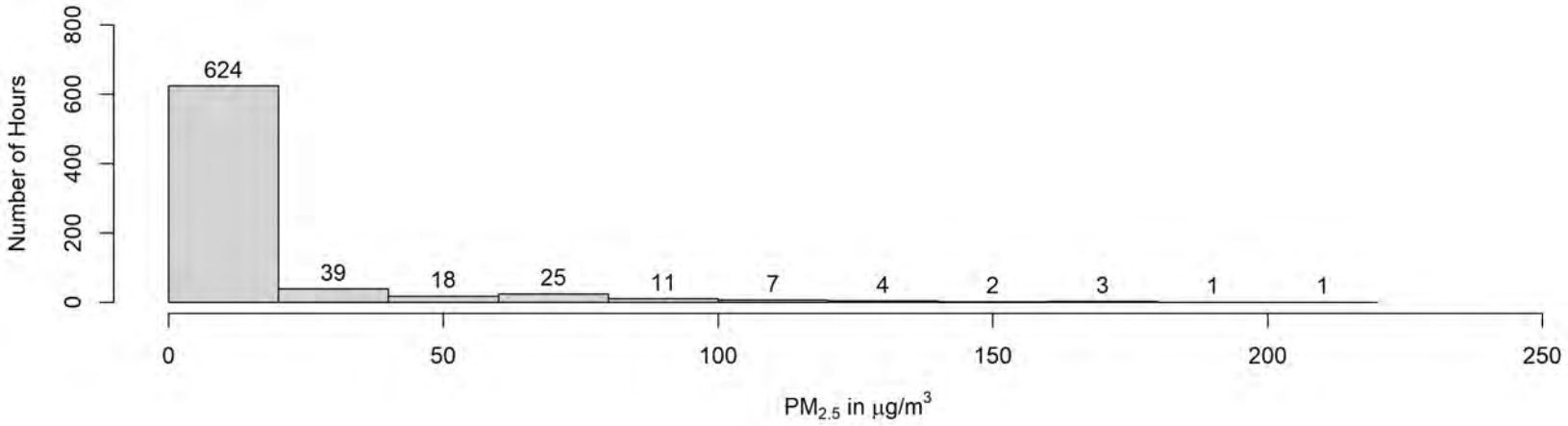

July 2026 Hourly Concentration Readings of NO2 (in ppb) at Beaverlodge
NO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO2
AAAQO Limit = 159 ppb
Average = 2.4 ppb

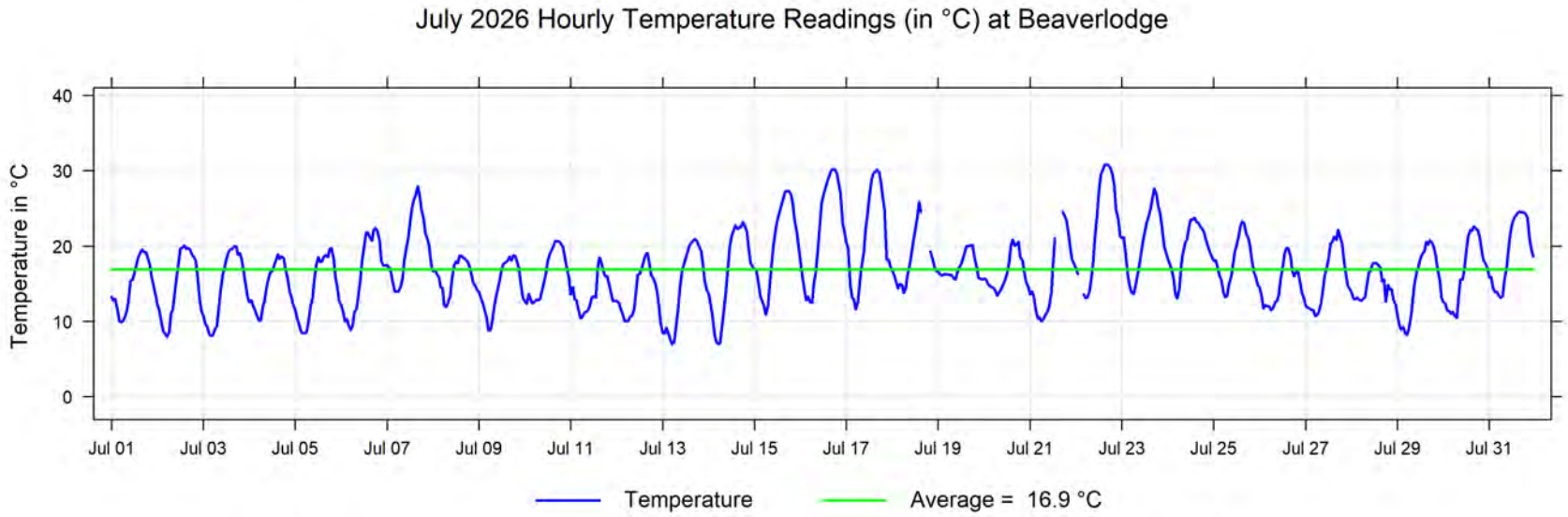

Number of Hours
0
200
400
600
209
166
121
80
55
33
18
8
6
3
0
1
0
5
10
15
20
25
30
35
NO2 in ppb

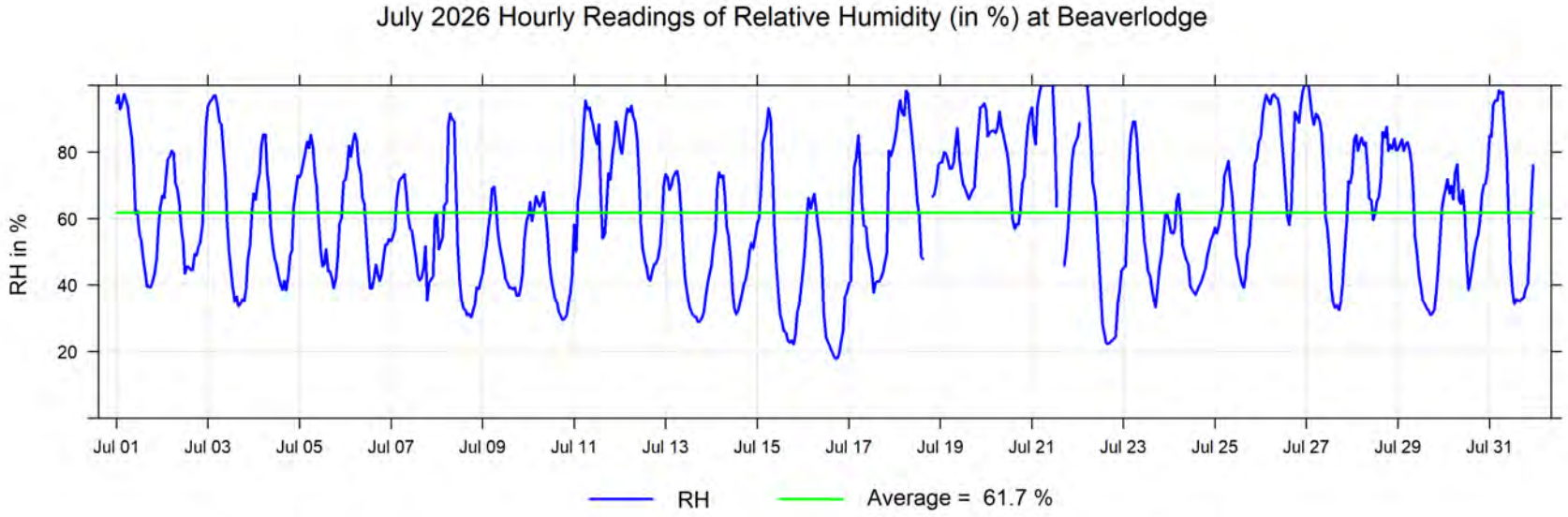

July 2026 Hourly Concentration Readings of O_3 (in ppb) at Beaverlodge
O_3 in ppb
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
O_3
AAAQO Limit = 76 ppb
Average = 25.5 ppb

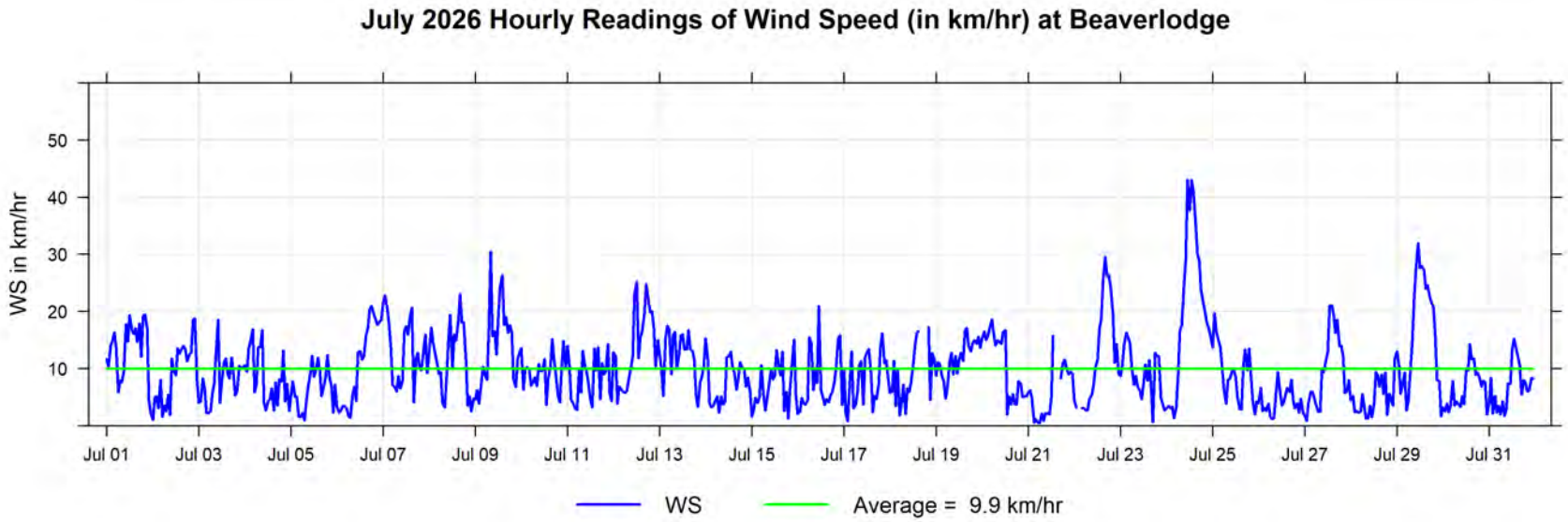

Number of Hours
0
200
400
600
3
31
62
98
118
186
113
52
27
5
7
0
20
40
60
O_3 in ppb

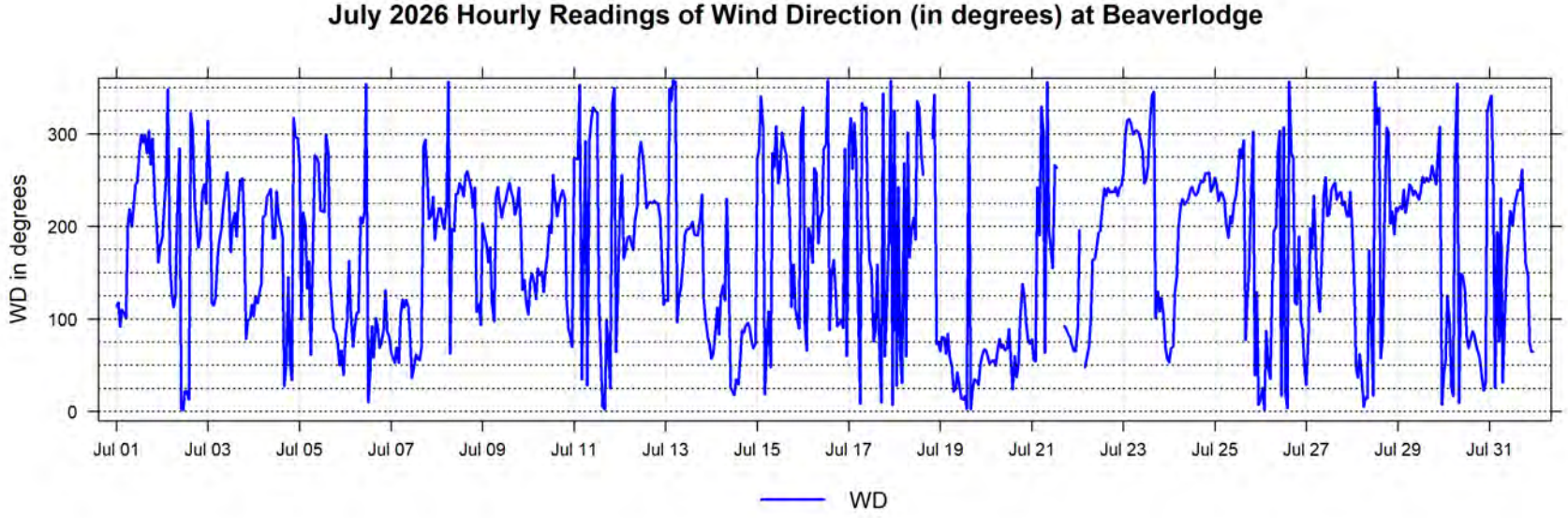

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Beaverlodge
PM2.5 in µg/m3
200
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 13.9 µg/m3

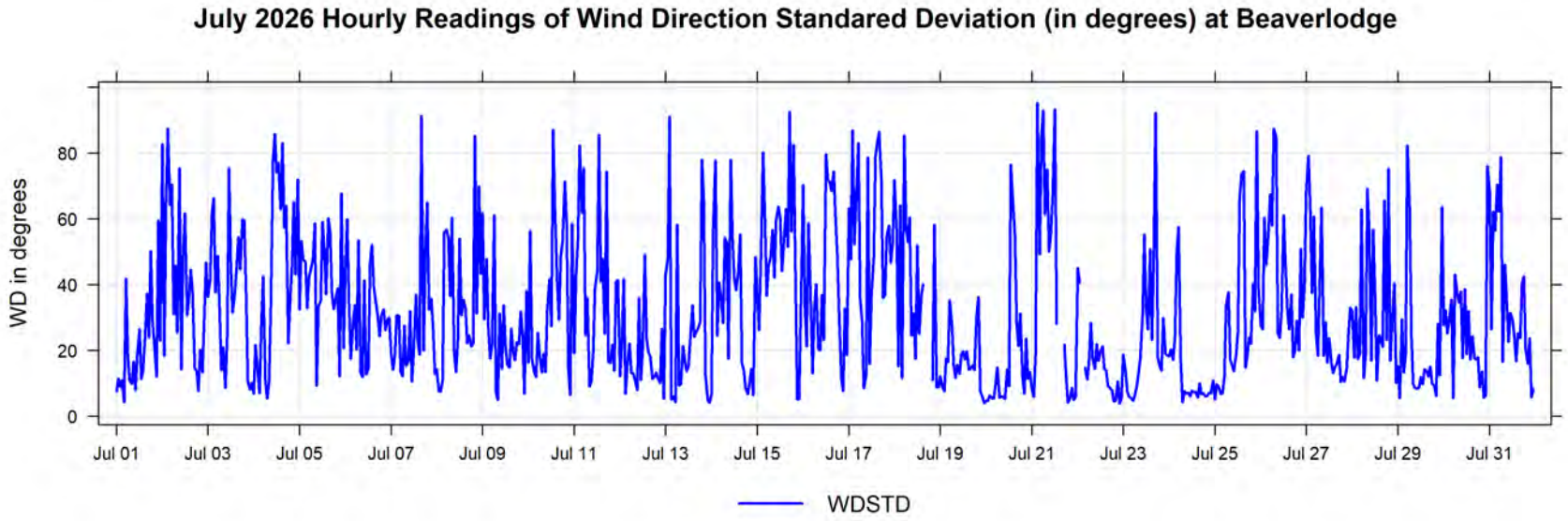

Number of Hours
800
600
400
200
0
624
39
18
25
11
7
4
2
3
1
1
0
50
100
150
200
250
PM2.5 in µg/m3

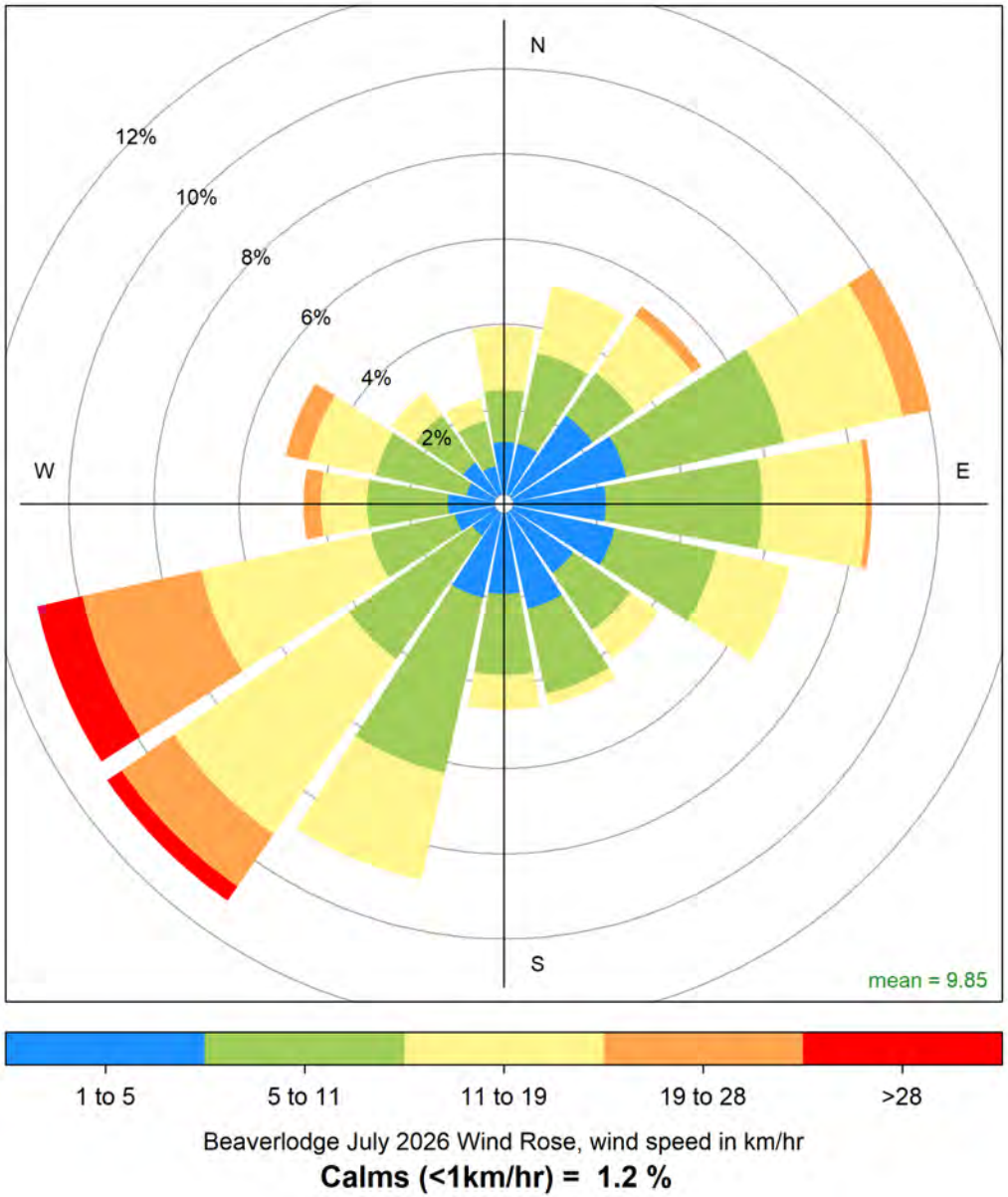

July 2026 Hourly Temperature Readings (in °C) at Beaverlodge
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 16.9 °C


July 2026 Hourly Readings of Relative Humidity (in %) at Beaverlodge
RH in %
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
RH
Average = 61.7 %


July 2026 Hourly Readings of Wind Speed (in km/hr) at Beaverlodge
WS in km/hr
50
40
30
20
10
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 9.9 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Beaverlodge
WD in degrees
300
200
100
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Beaverlodge
WD in degrees
0
20
40
60
80
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

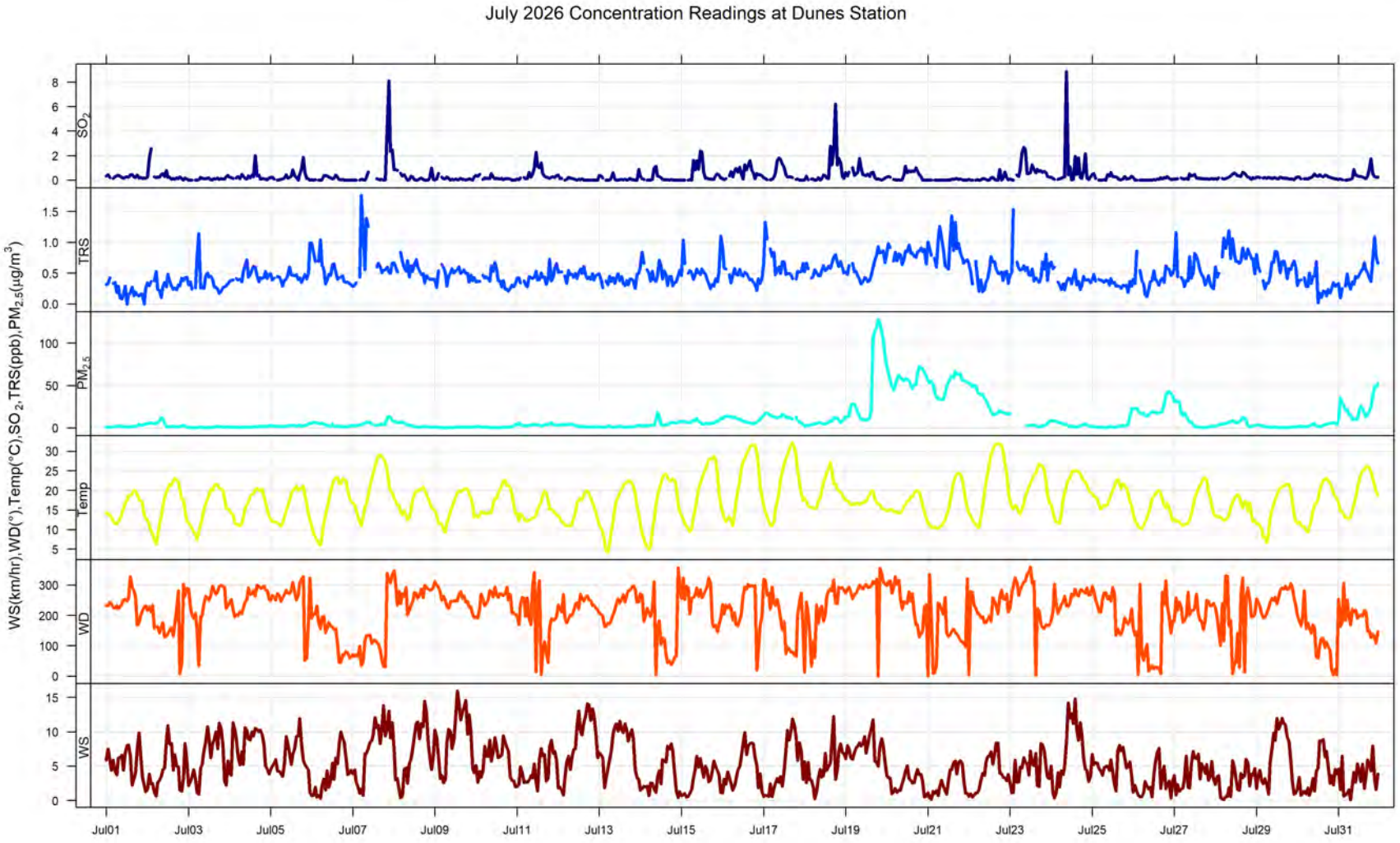


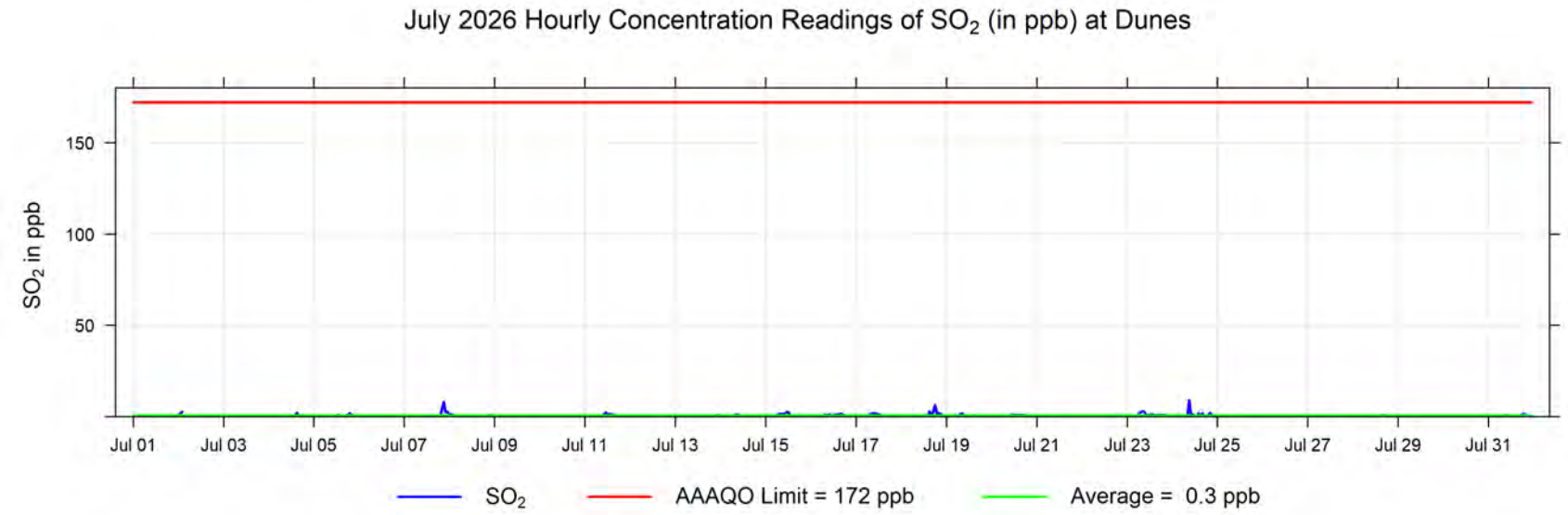
Beaverlodge July 2026 Wind Rose, wind speed in km/hr

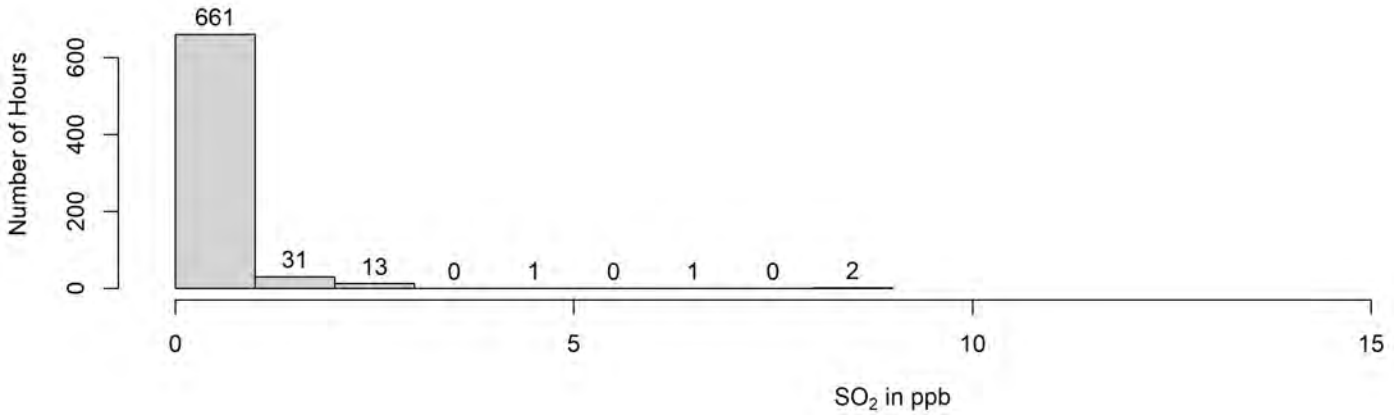
Calms (<1km/hr) = 1.2 %

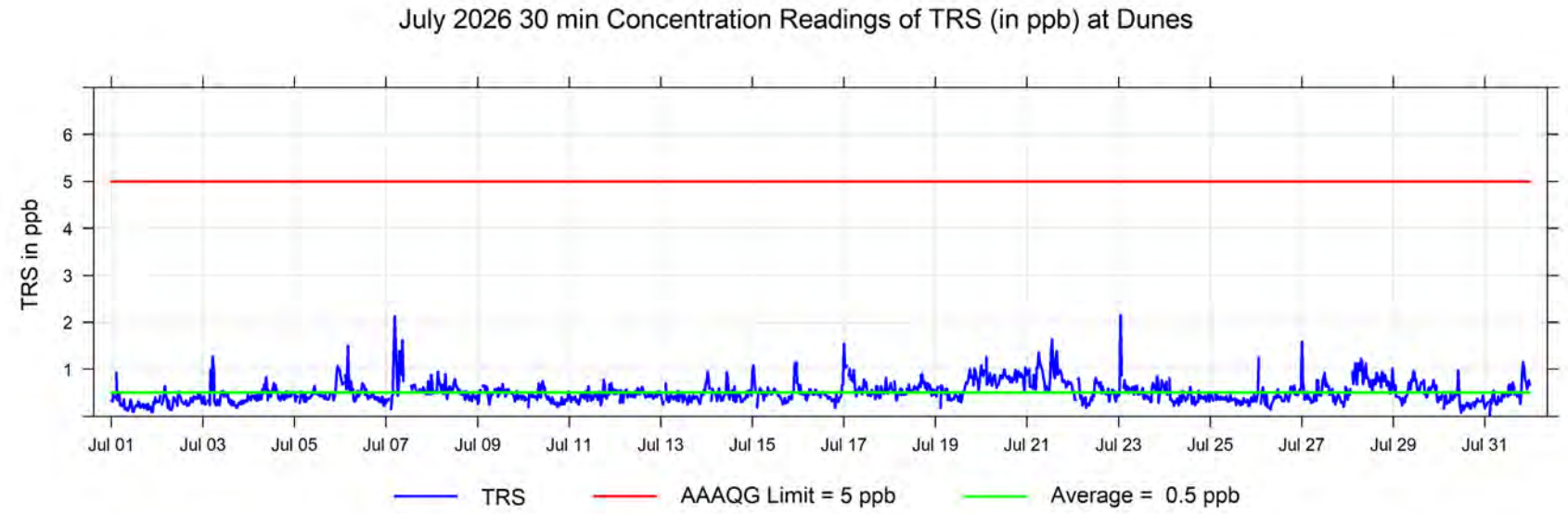
3 Dunes Charts

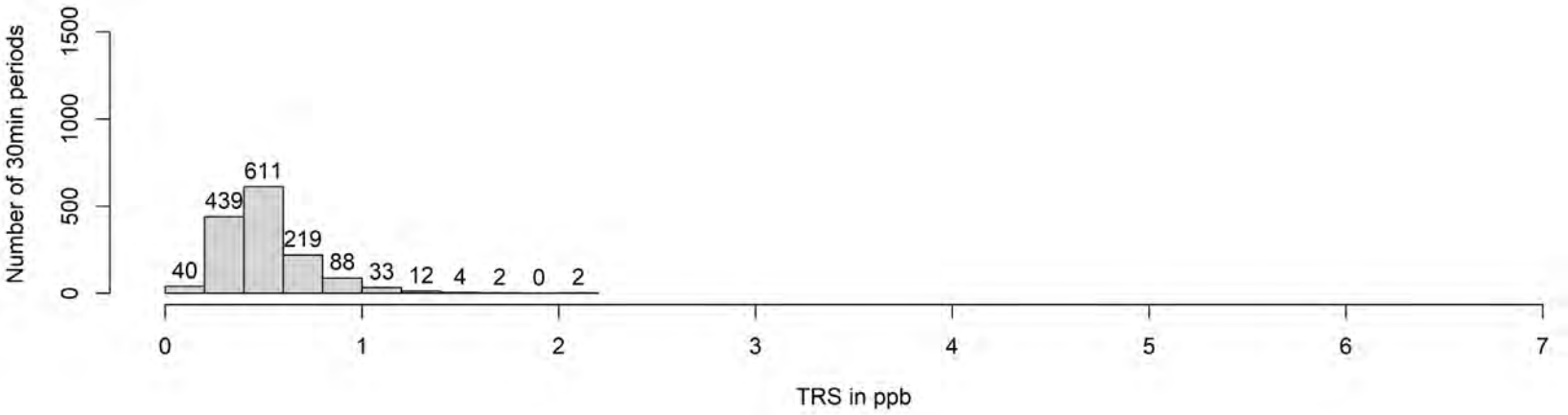
The following pages include the charts and histograms for Dunes Station

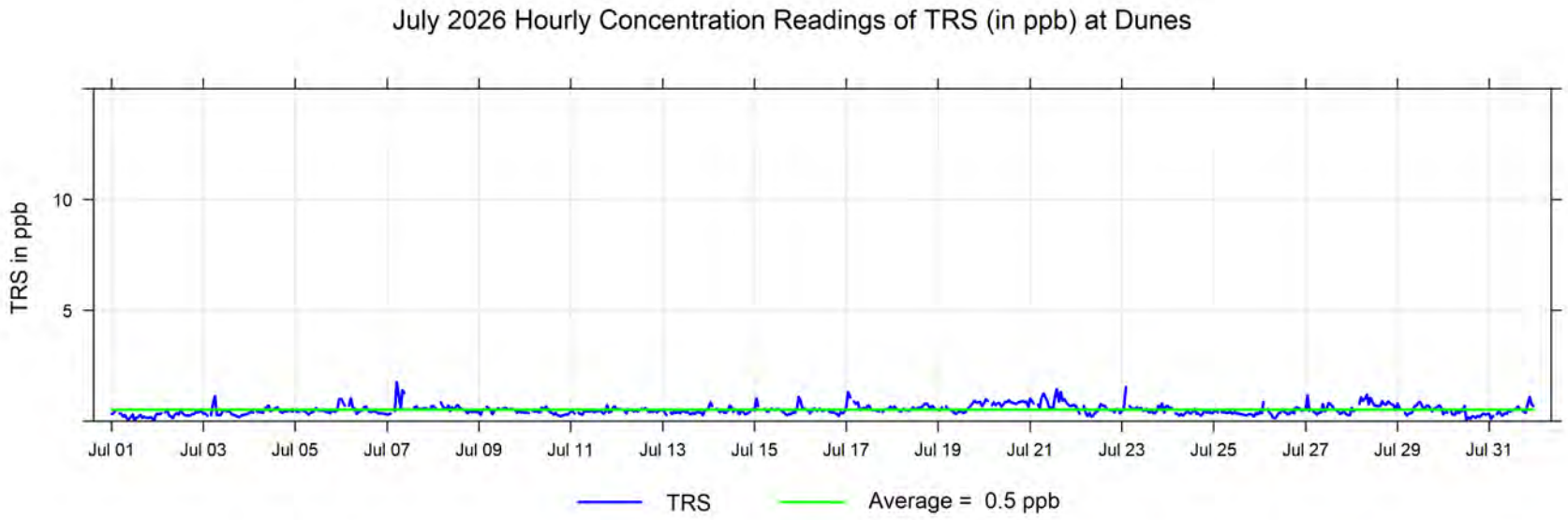


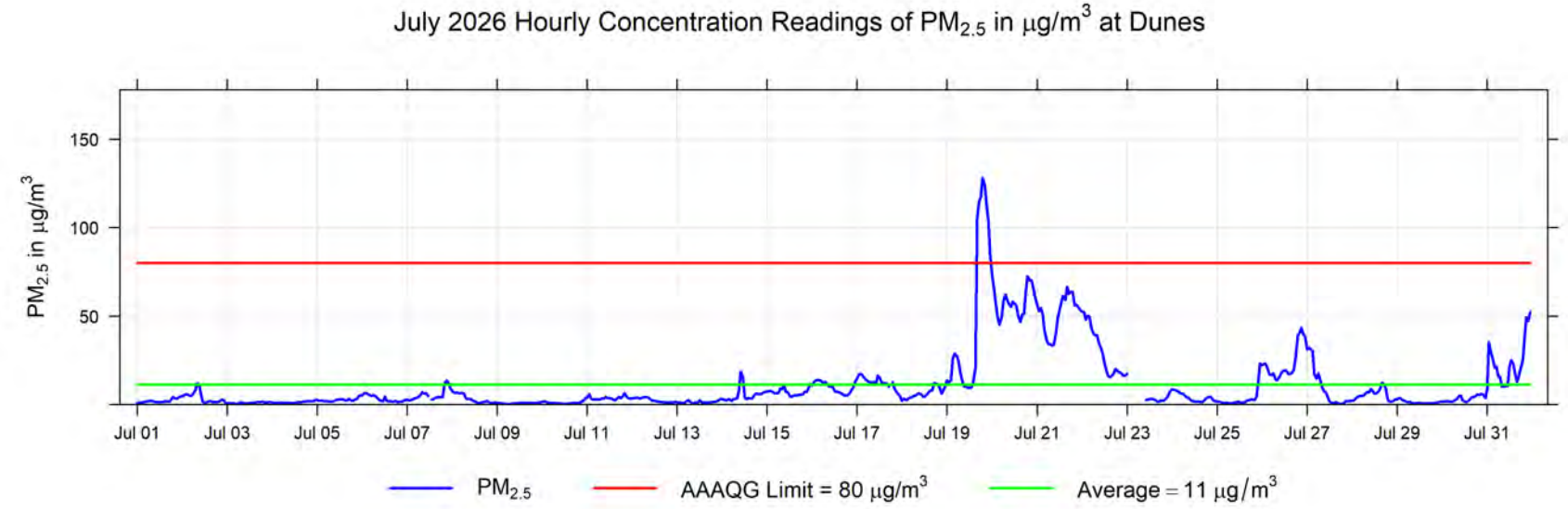

July 2026 Hourly Concentration Readings of SO_2 (in ppb) at Dunes
SO_2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO_2
AAAQO Limit = 172 ppb
Average = 0.3 ppb

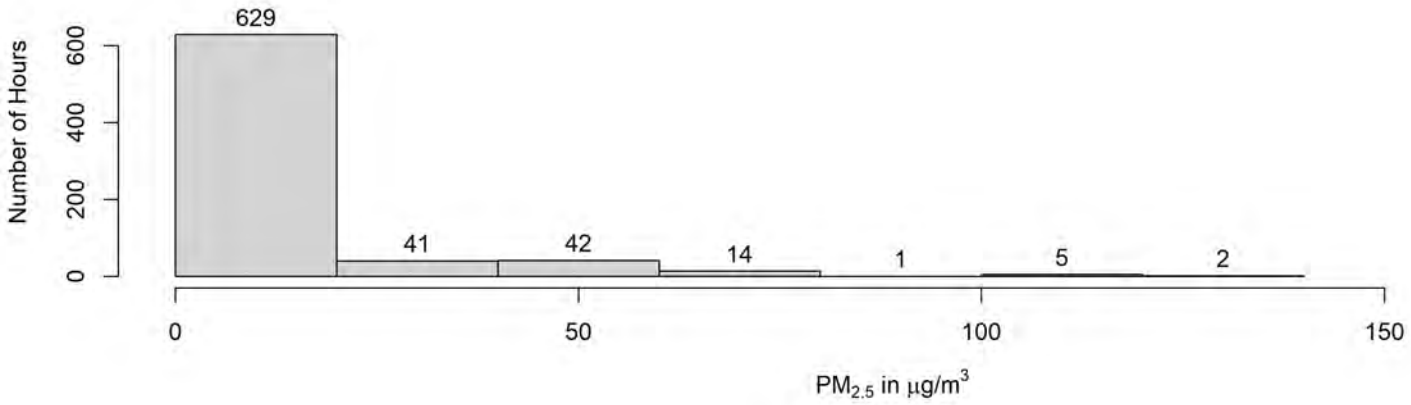

Number of Hours
0
200
400
600
661
31
13
0
1
0
1
0
2
0
5
10
15
SO_2 in ppb

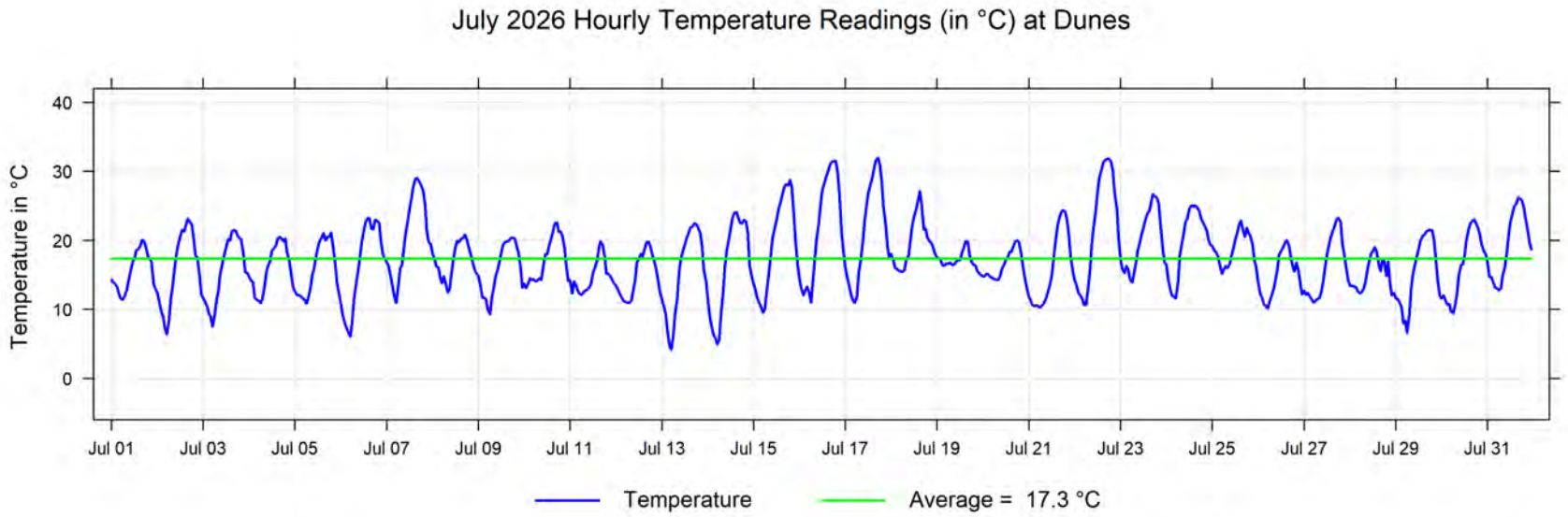

July 2026 30 min Concentration Readings of TRS (in ppb) at Dunes
TRS in ppb
1
2
3
4
5
6
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
TRS
AAAQG Limit = 5 ppb
Average = 0.5 ppb

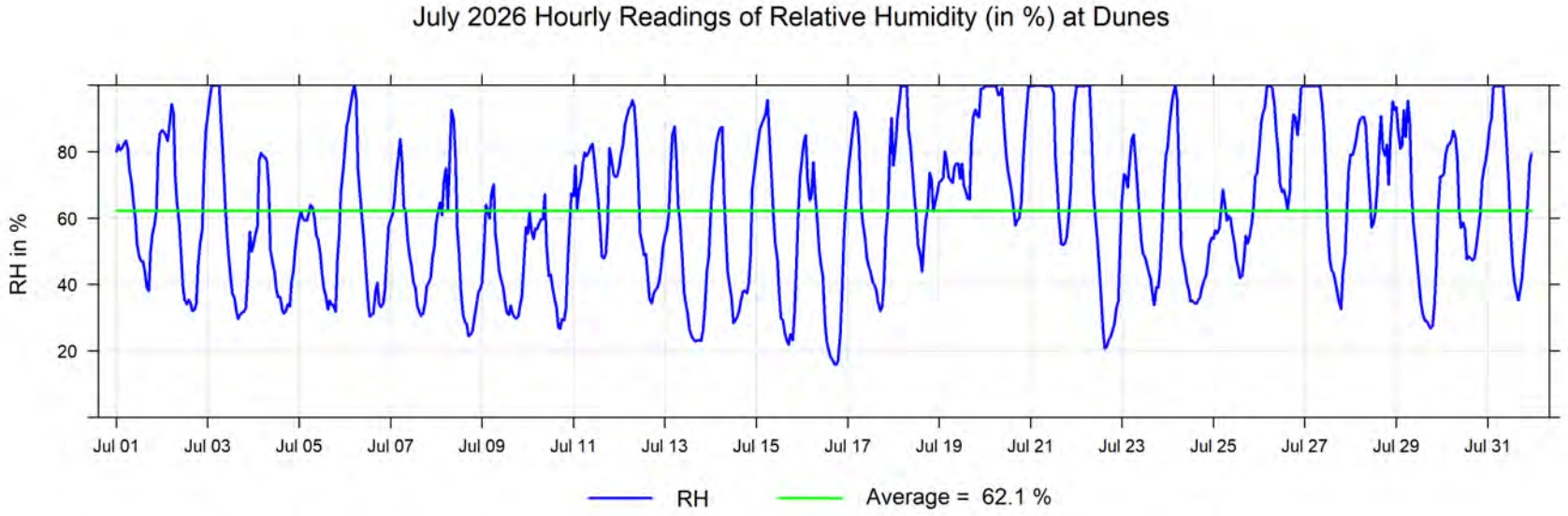

Number of 30min periods
0
500
1000
1500
40
439
611
219
88
33
12
4
2
0
2
0
1
2
3
4
5
6
7
TRS in ppb

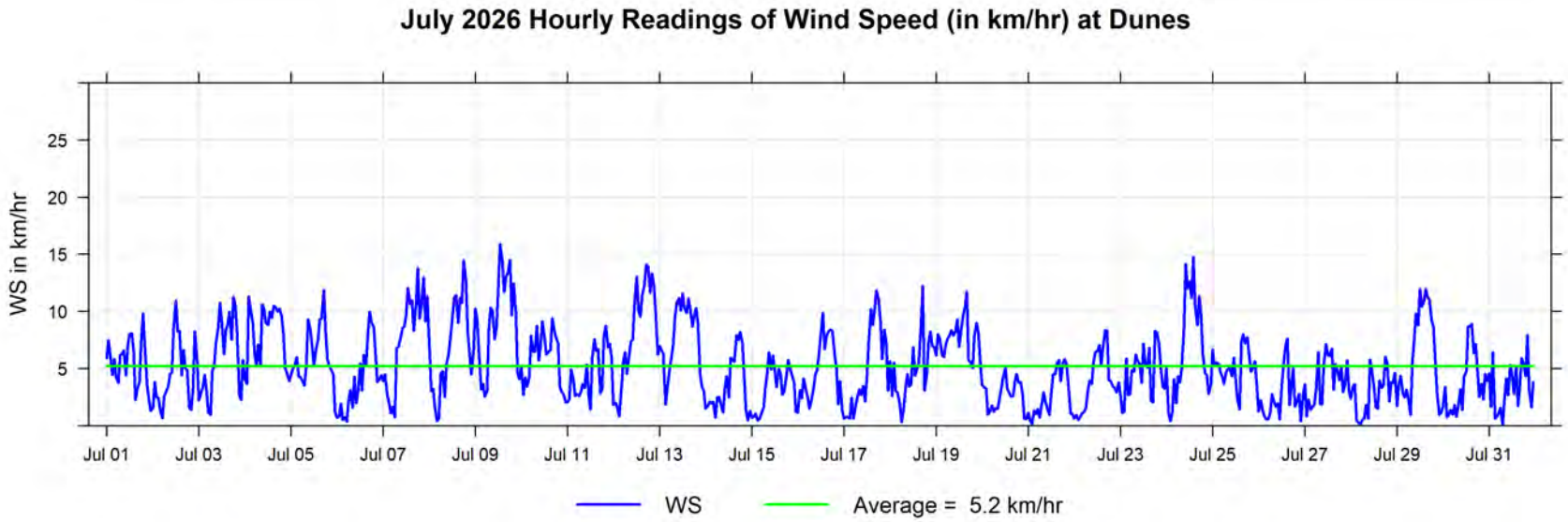

July 2026 Hourly Concentration Readings of TRS (in ppb) at Dunes
TRS in ppb
10
5
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
TRS
Average = 0.5 ppb

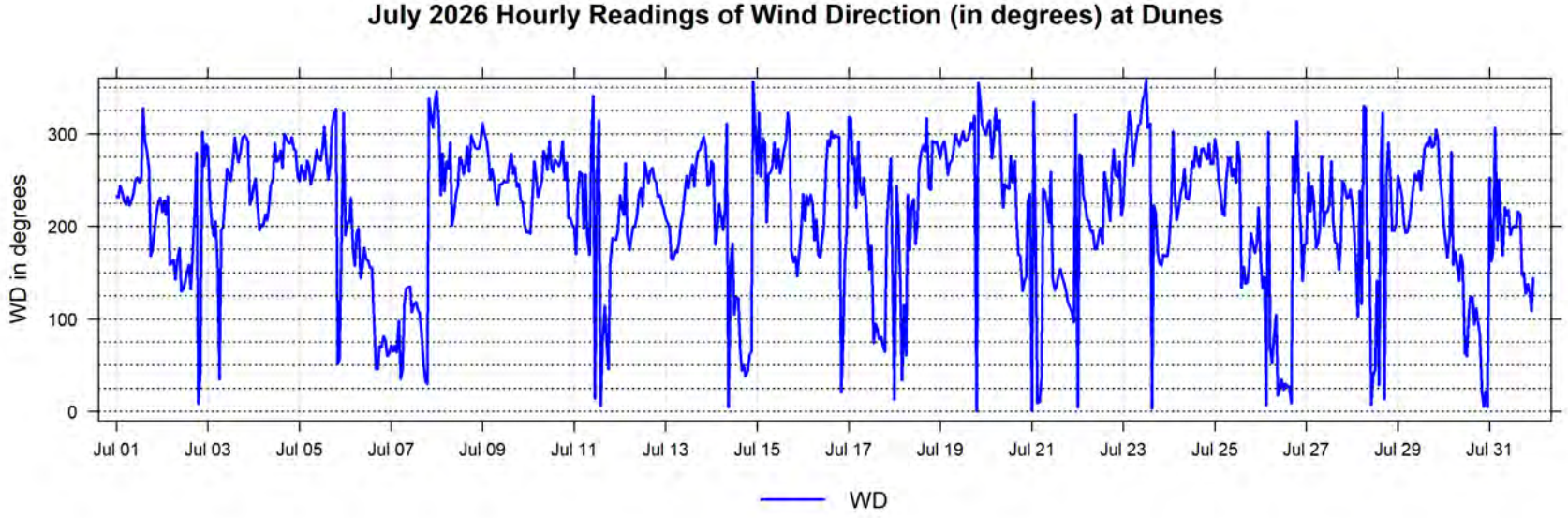

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Dunes
PM2.5 in µg/m3
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 11 µg/m3

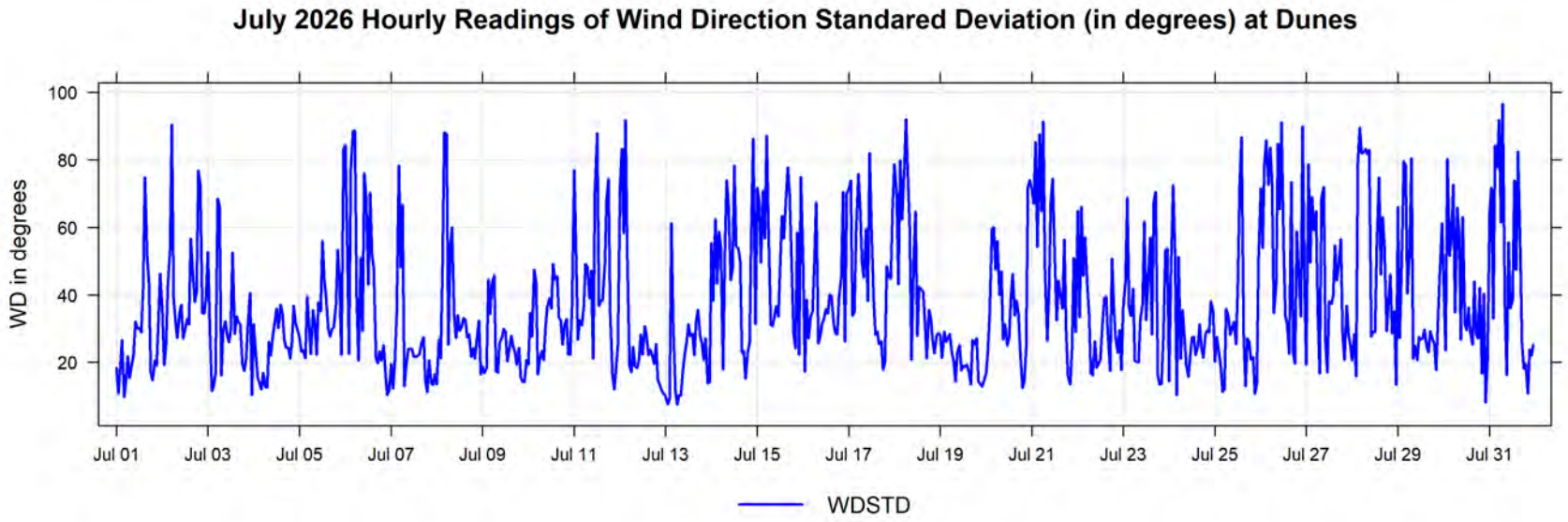

Number of Hours
0
200
400
600
629
41
42
14
1
5
2
0
50
100
150
PM2.5 in µg/m3

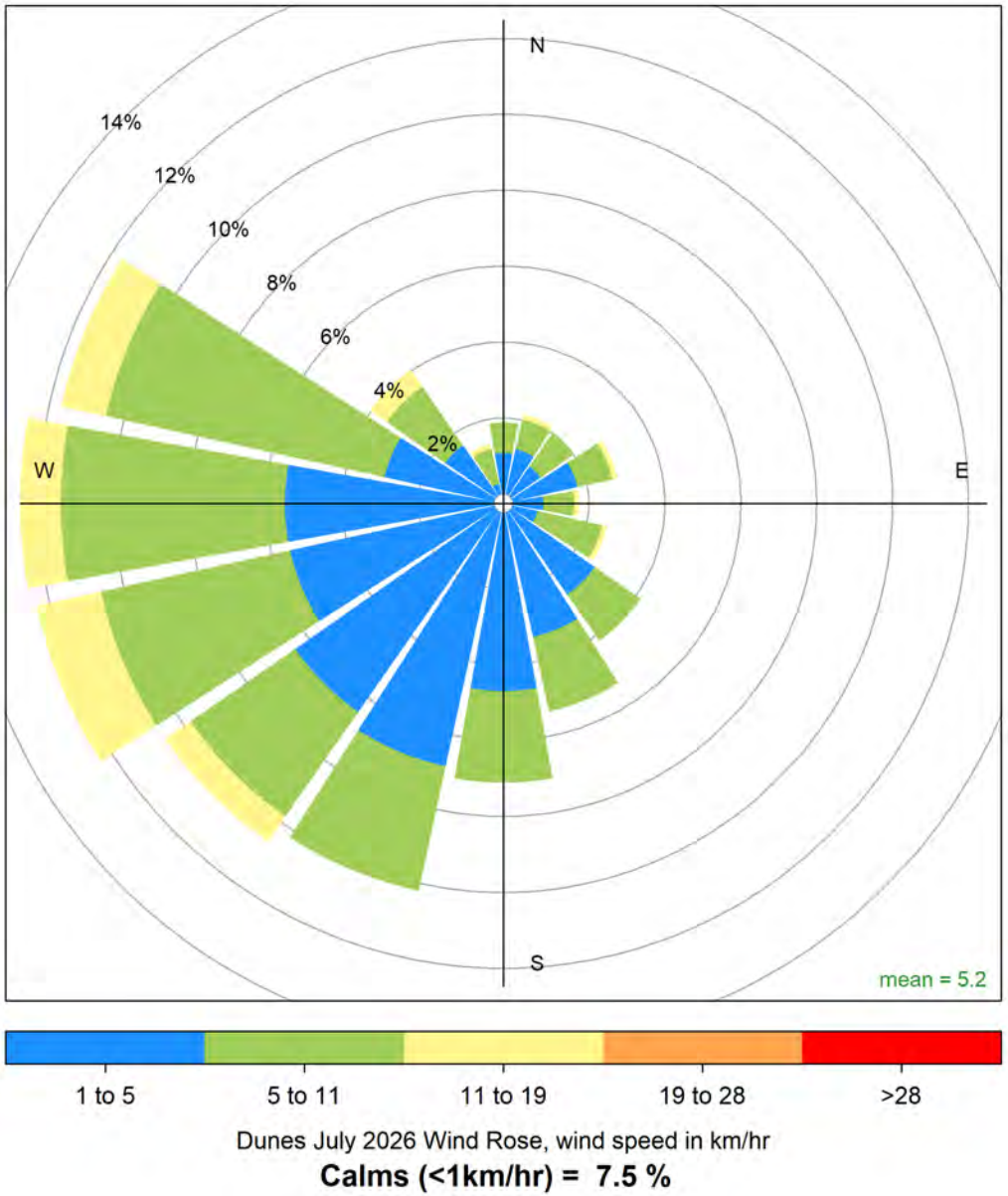

July 2026 Hourly Temperature Readings (in °C) at Dunes
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 17.3 °C


July 2026 Hourly Readings of Relative Humidity (in %) at Dunes
RH in %
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
RH
Average = 62.1 %


July 2026 Hourly Readings of Wind Speed (in km/hr) at Dunes
WS in km/hr
25
20
15
10
5
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 5.2 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Dunes
WD in degrees
300
200
100
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD

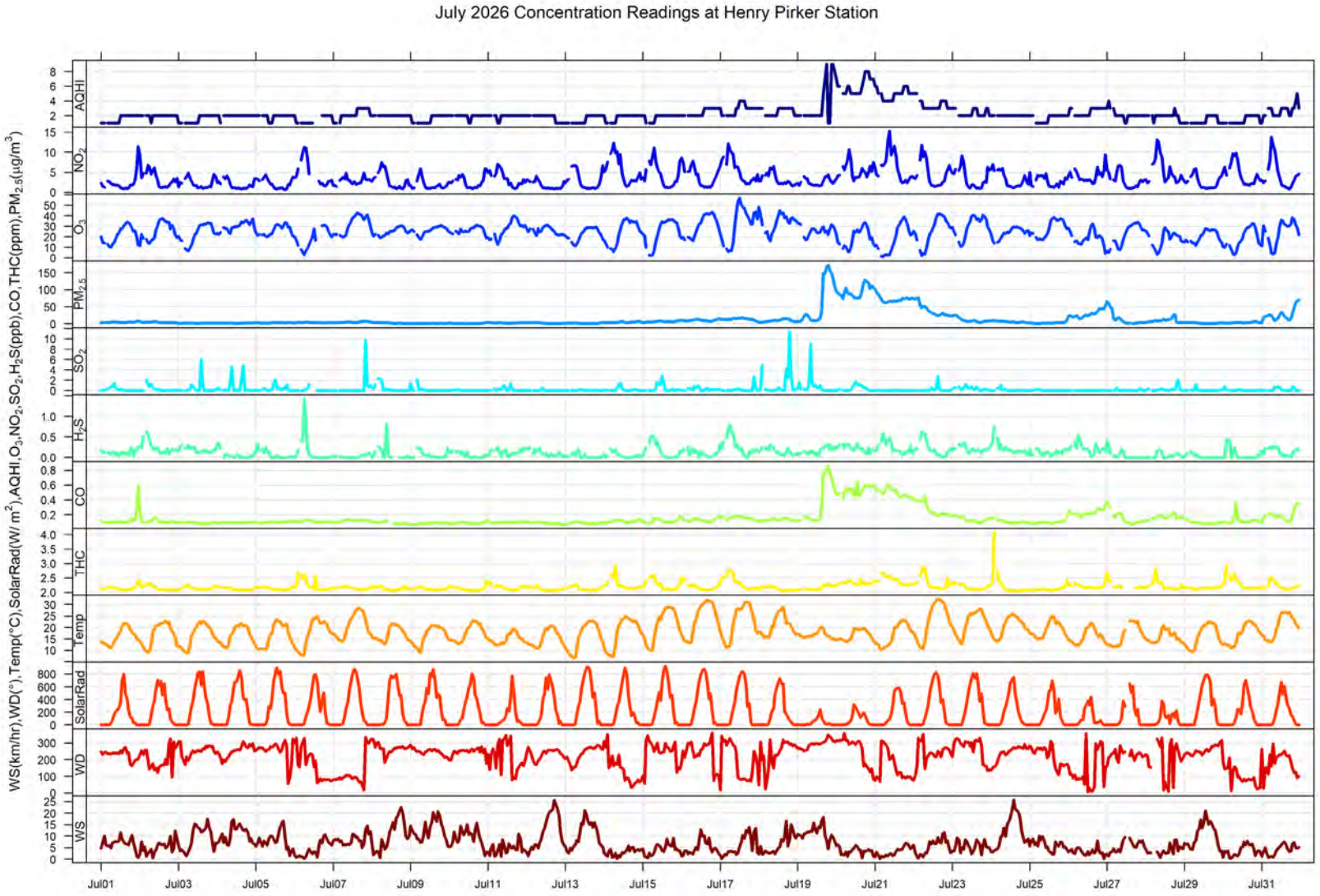

July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Dunes
WD in degrees
100
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

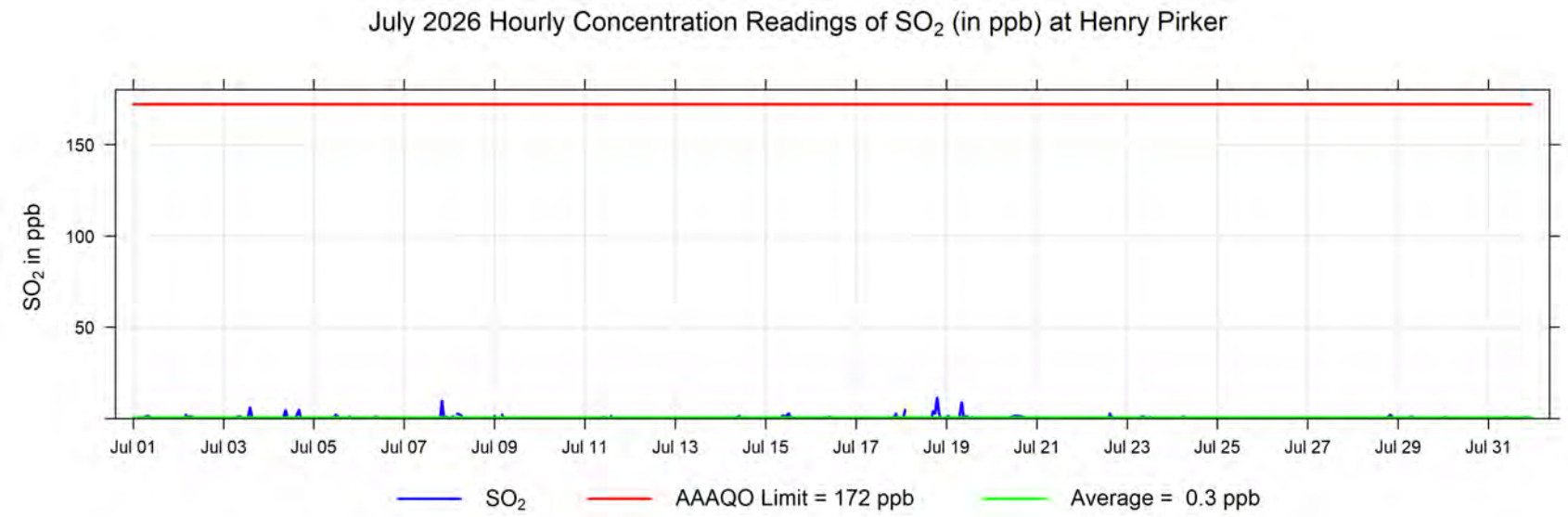


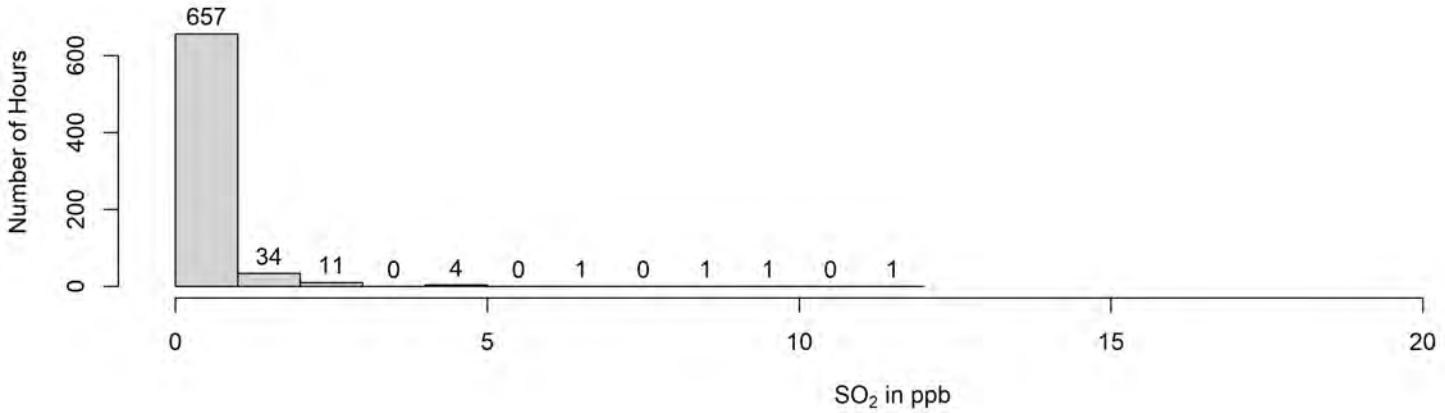
Dunes July 2026 Wind Rose, wind speed in km/hr

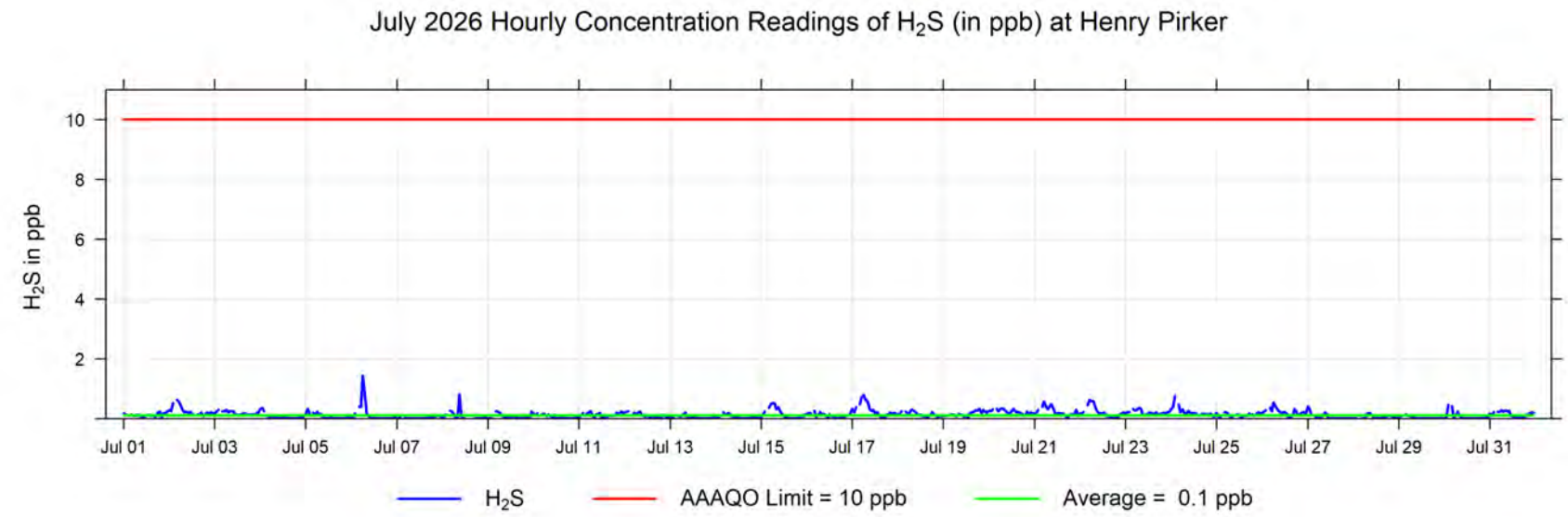
Calms (<1km/hr) = 7.5 %

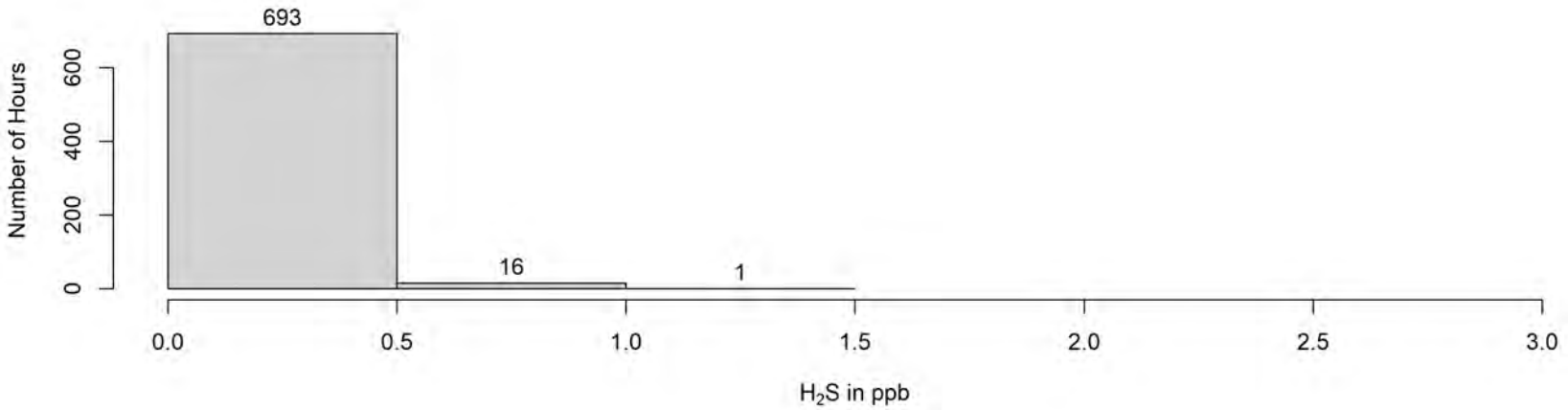
4 Grande Prairie - Henry Pirker Charts

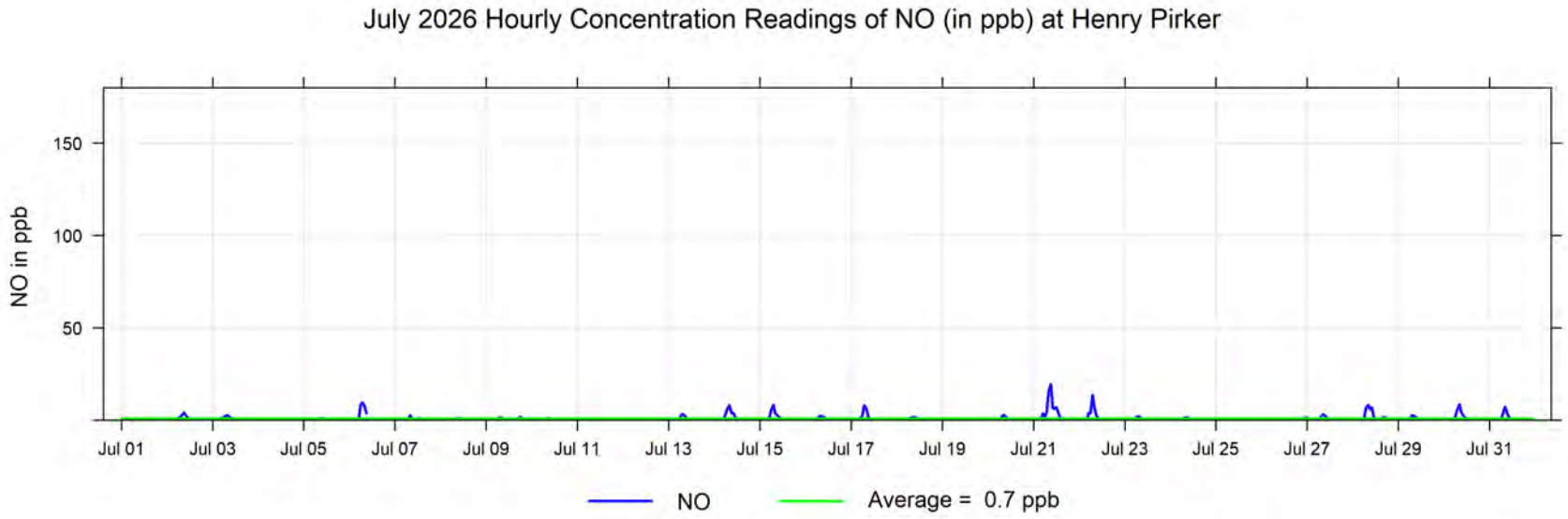


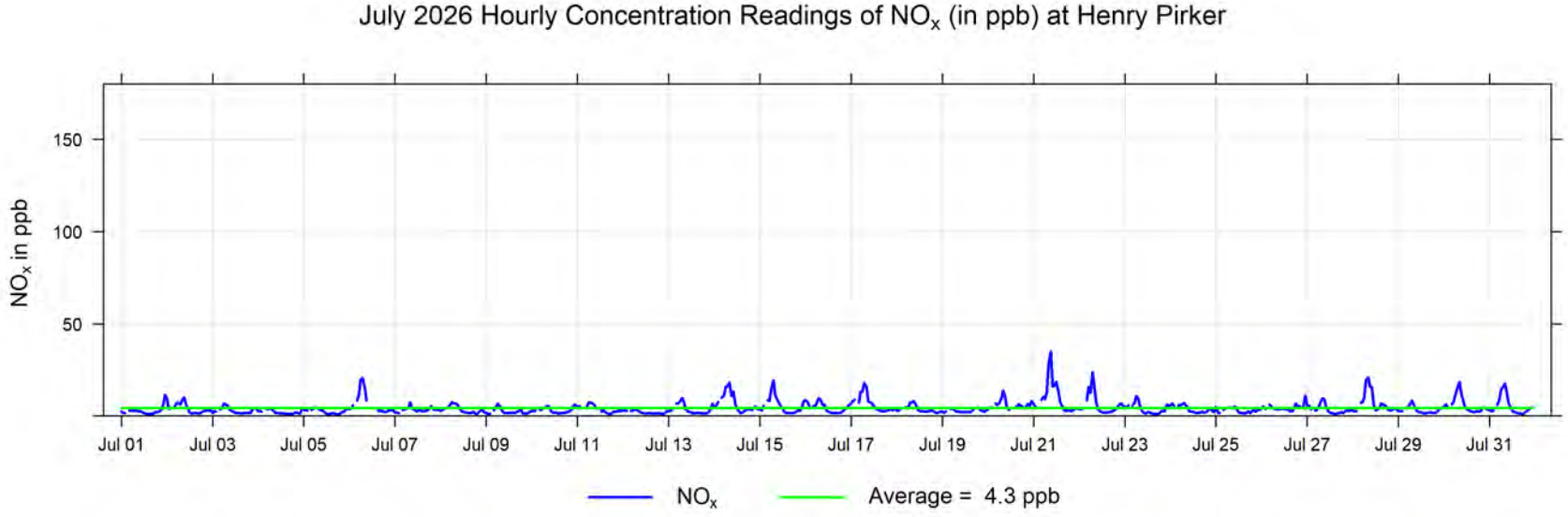

July 2026 Hourly Concentration Readings of SO2 (in ppb) at Henry Pirker
SO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO2
AAAQO Limit = 172 ppb
Average = 0.3 ppb

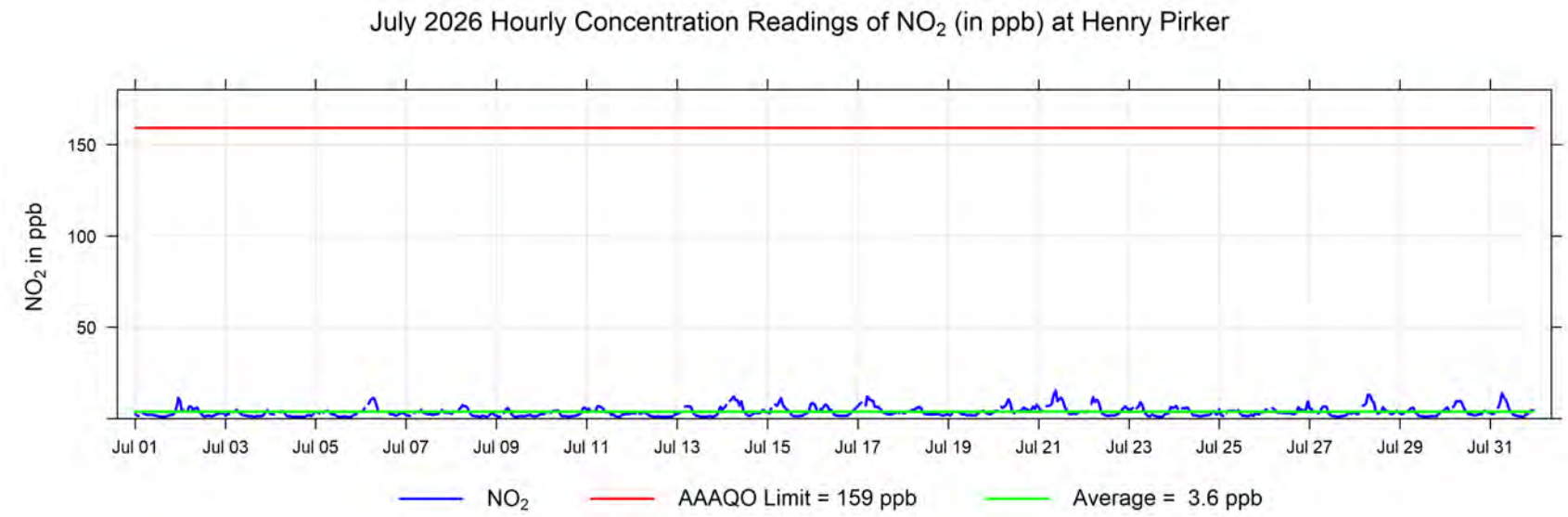

Number of Hours
0
200
400
600
657
34
11
0
4
0
1
0
1
1
0
1
0
5
10
15
20
SO2 in ppb

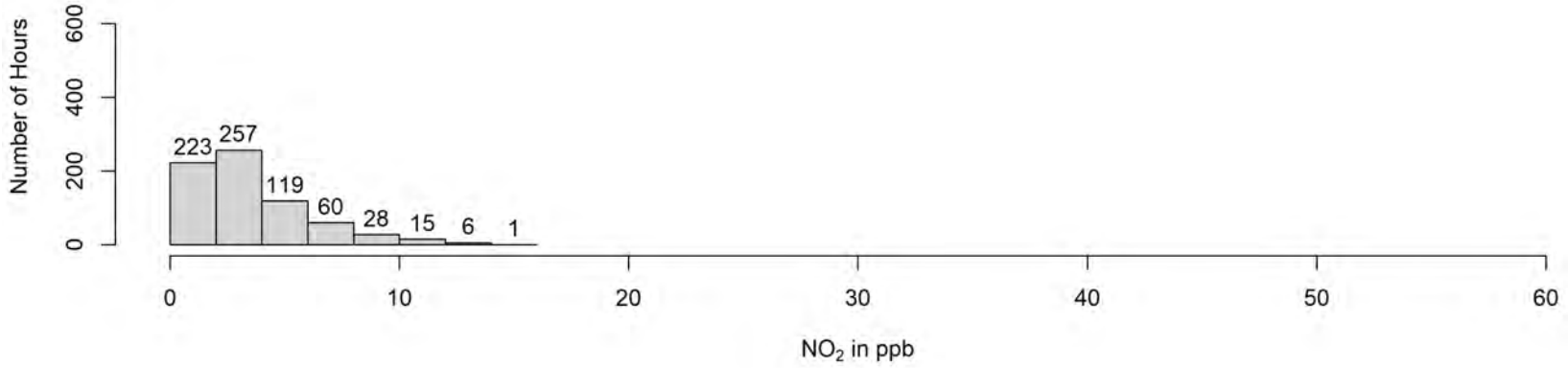

July 2026 Hourly Concentration Readings of H2S (in ppb) at Henry Pirker
H2S in ppb
10
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
H2S
AAAQO Limit = 10 ppb
Average = 0.1 ppb

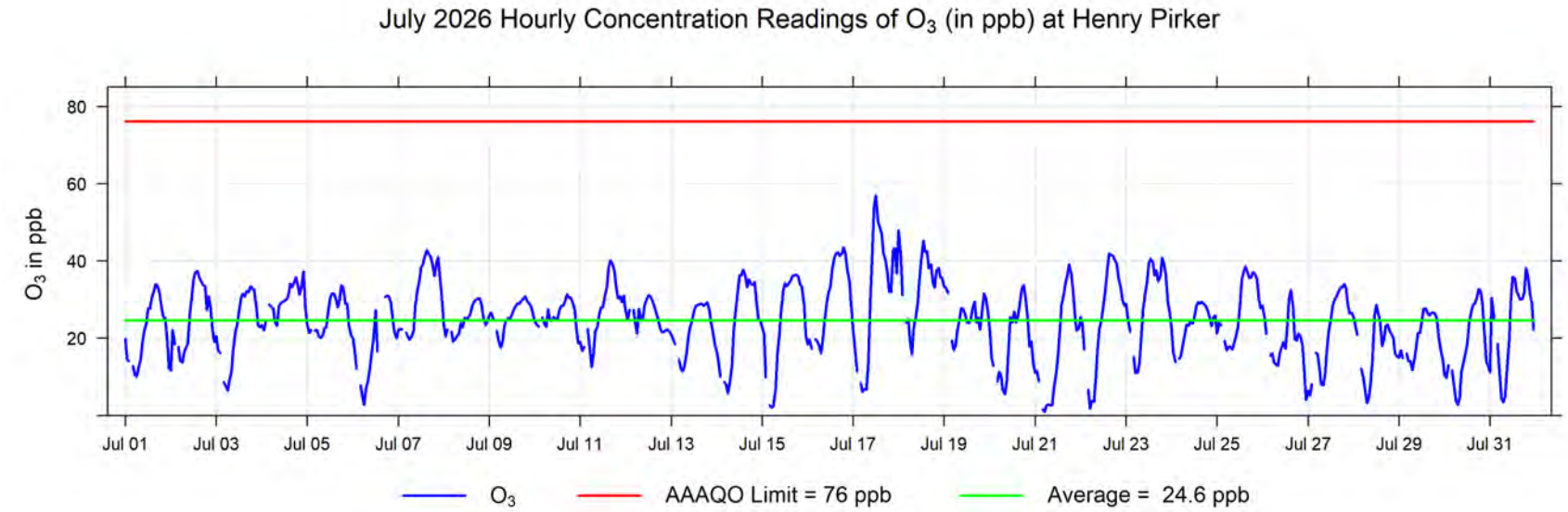

693
16
1
Number of Hours
0
200
400
600
0.0
0.5
1.0
1.5
2.0
2.5
3.0
H2S in ppb

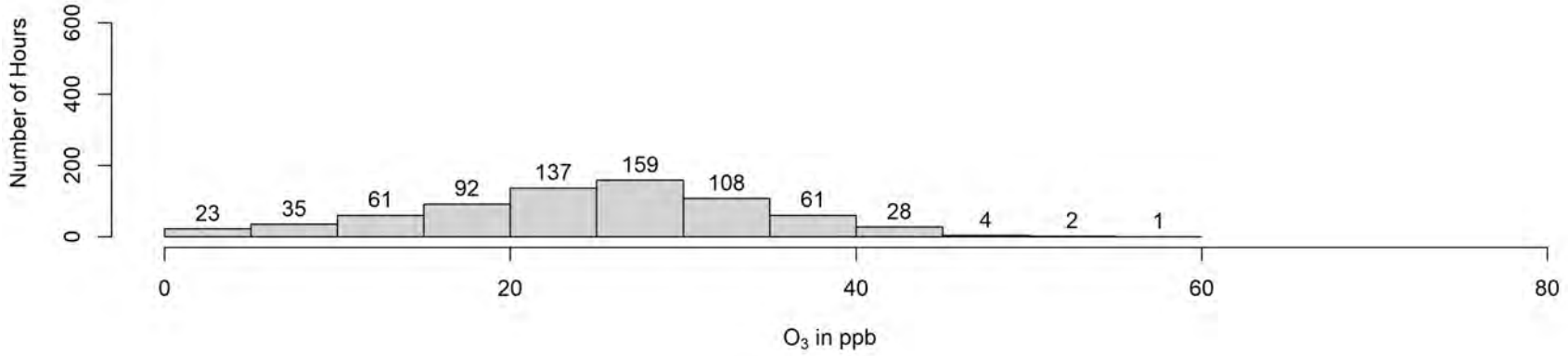

July 2026 Hourly Concentration Readings of NO (in ppb) at Henry Pirker
NO in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO
Average = 0.7 ppb

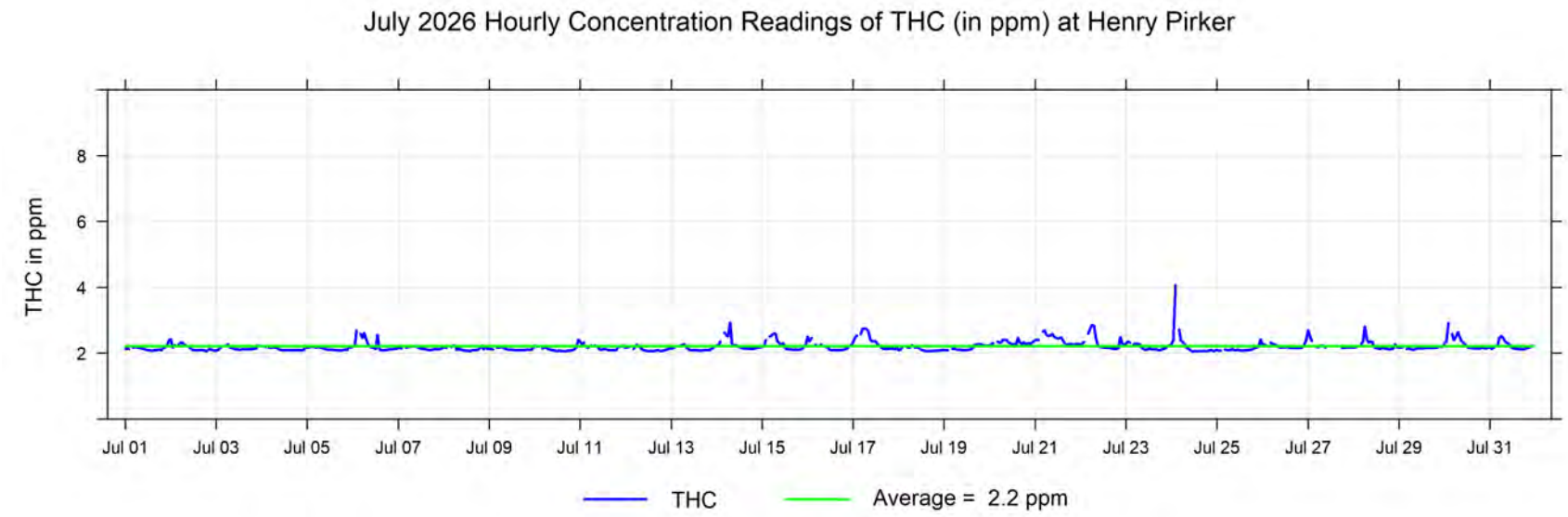

July 2026 Hourly Concentration Readings of NOx (in ppb) at Henry Pirker
NOx in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NOx
Average = 4.3 ppb

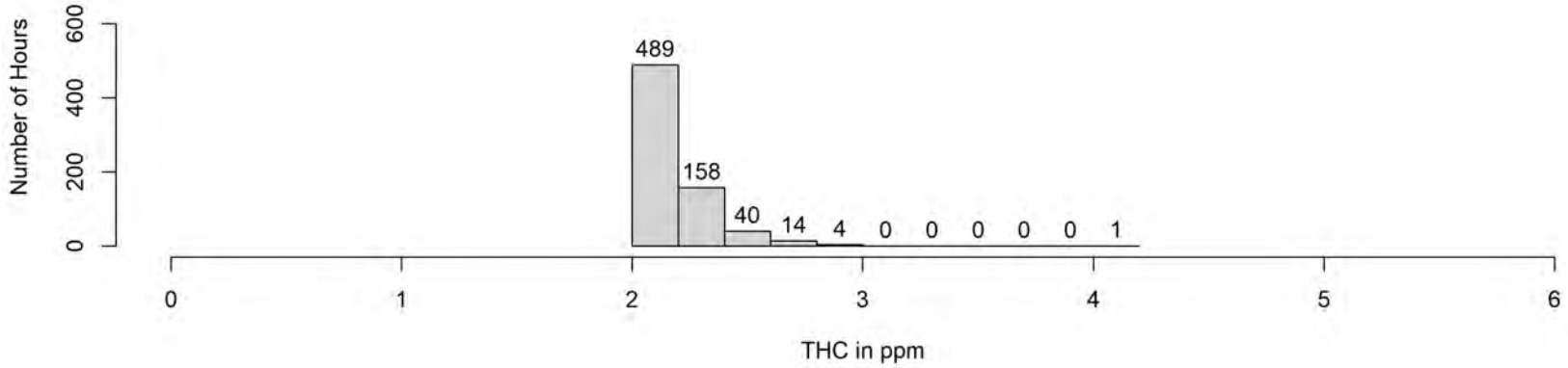

July 2026 Hourly Concentration Readings of NO2 (in ppb) at Henry Pirker
NO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO2
AAAQO Limit = 159 ppb
Average = 3.6 ppb

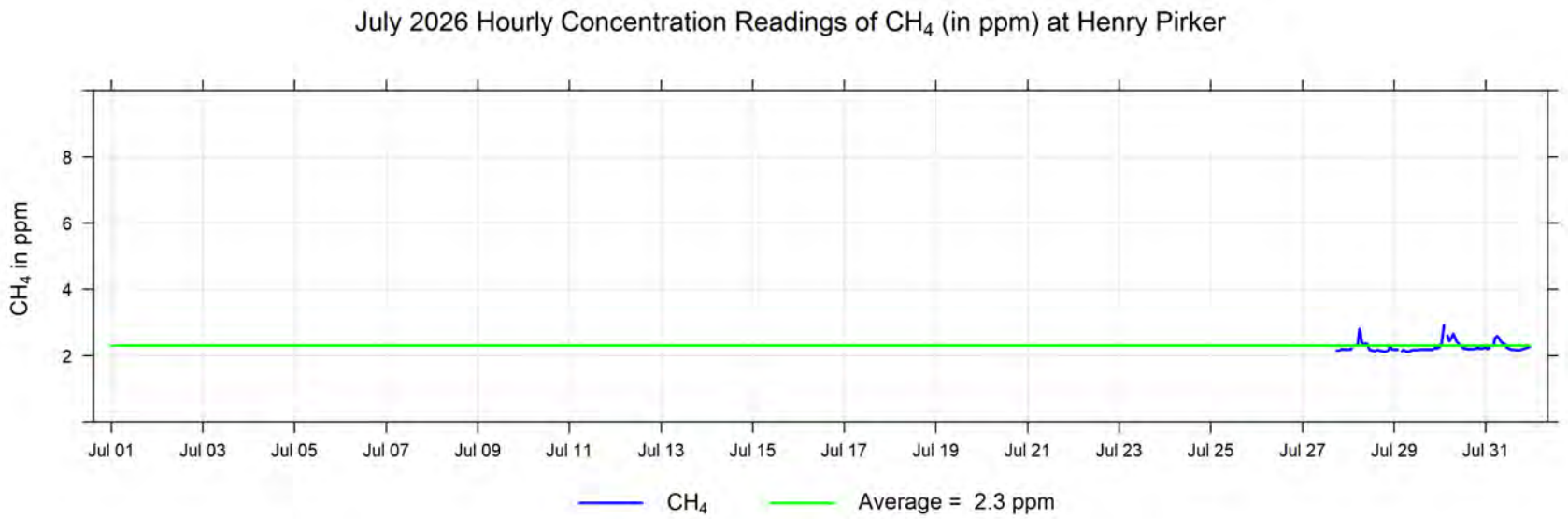

Number of Hours
0
200
400
600
223
257
119
60
28
15
6
1
0
10
20
30
40
50
60
NO2 in ppb


July 2026 Hourly Concentration Readings of O_3 (in ppb) at Henry Pirker
O_3 in ppb
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
O_3
AAAQO Limit = 76 ppb
Average = 24.6 ppb

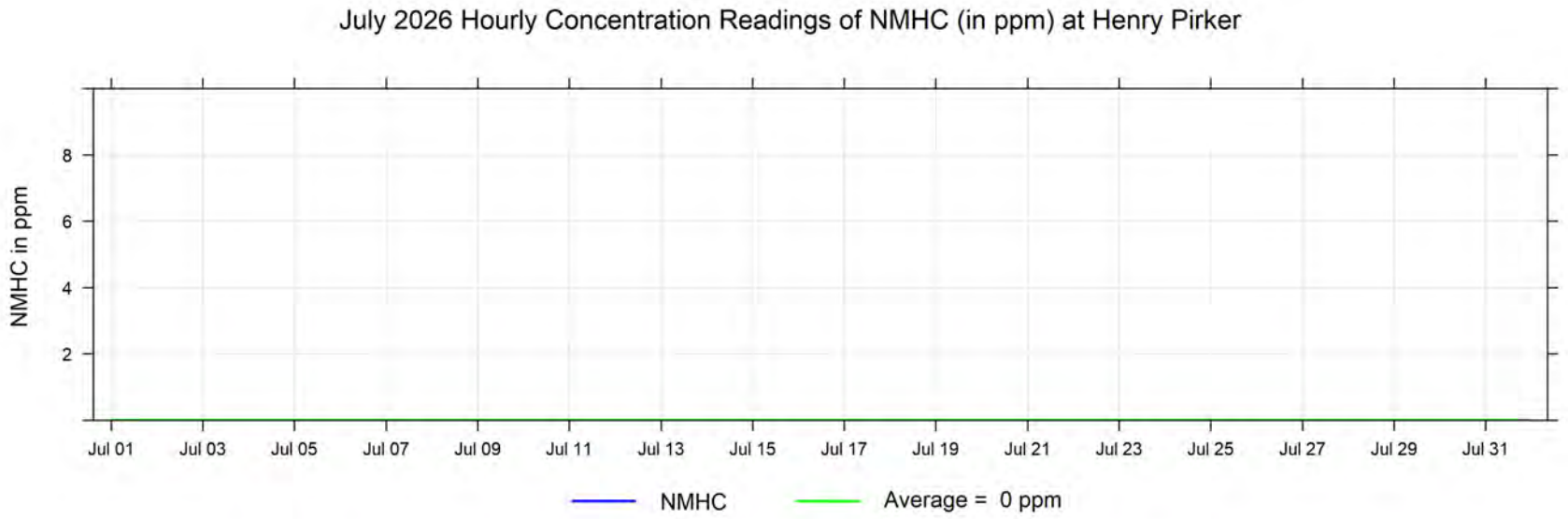

Number of Hours
0
200
400
600
23
35
61
92
137
159
108
61
28
4
2
1
0
20
40
60
80
O_3 in ppb


July 2026 Hourly Concentration Readings of THC (in ppm) at Henry Pirker
THC in ppm
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
THC
Average = 2.2 ppm

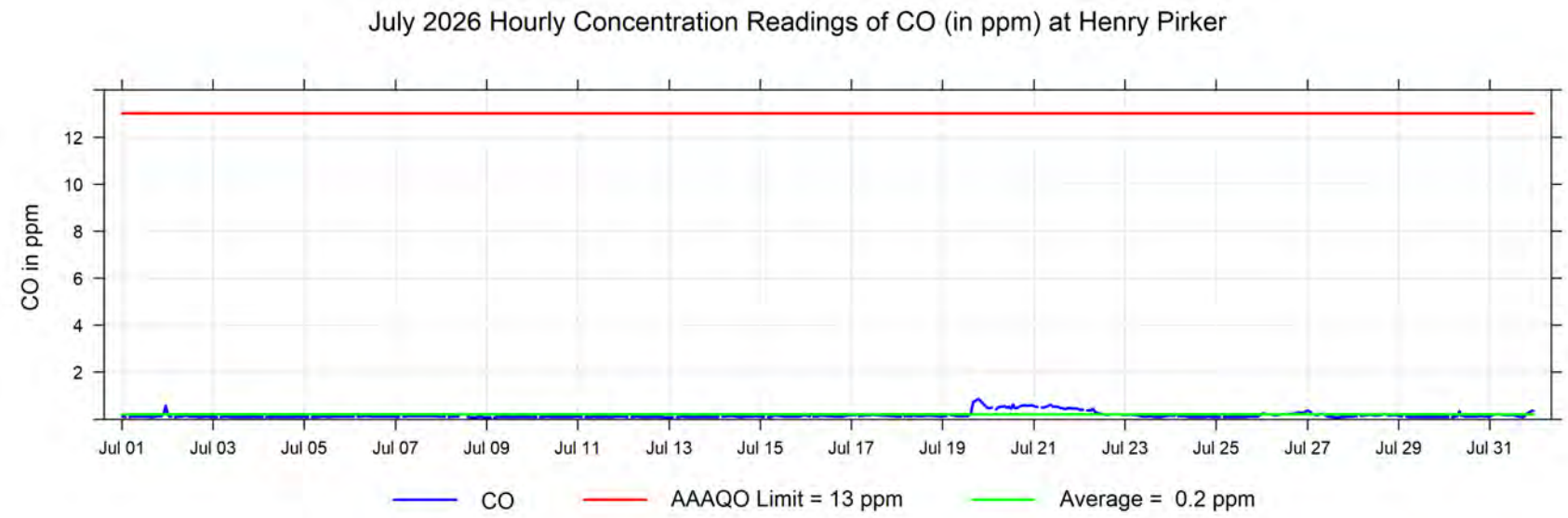

Number of Hours
0
200
400
600
489
158
40
14
4
0
0
0
0
0
1
0
1
2
3
4
5
6
THC in ppm

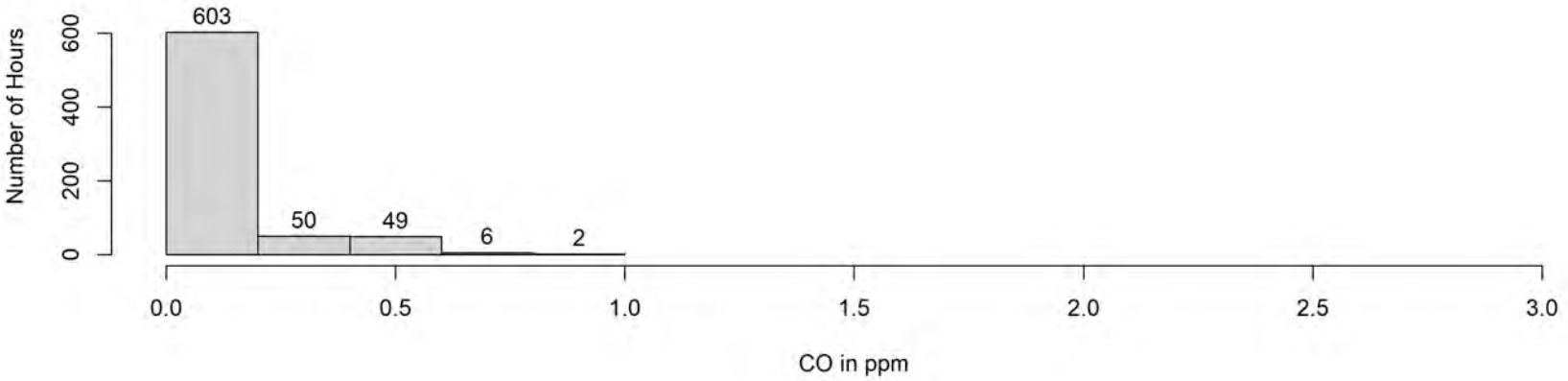


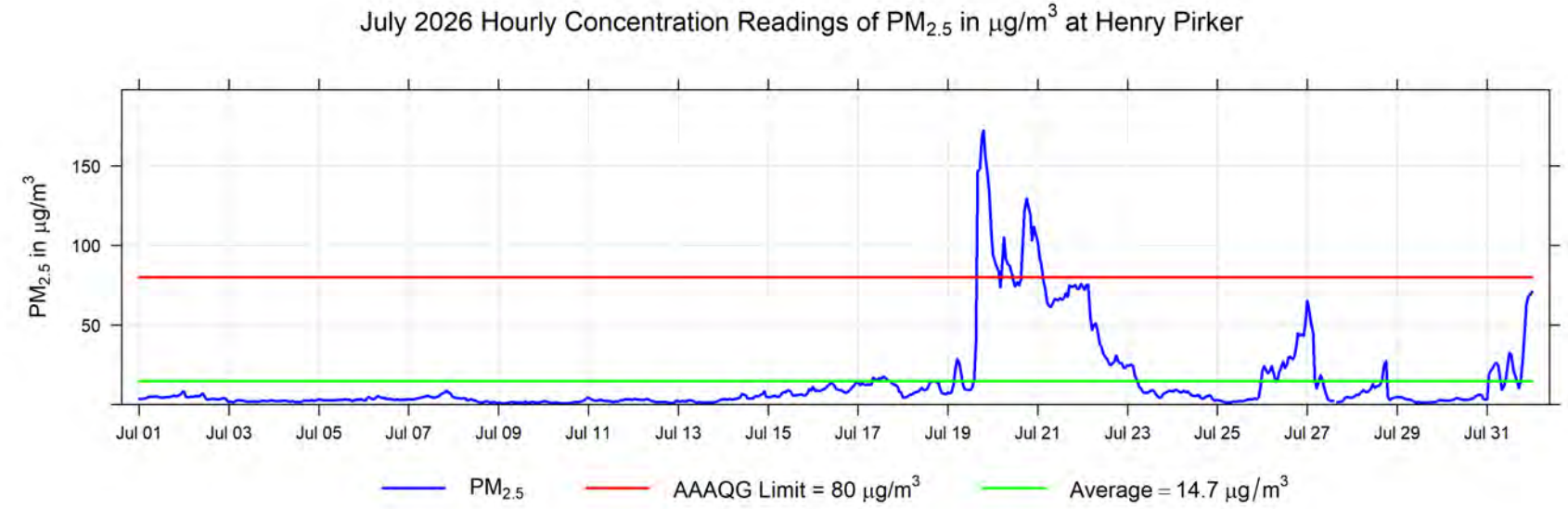
Average not valid, shown for reference only

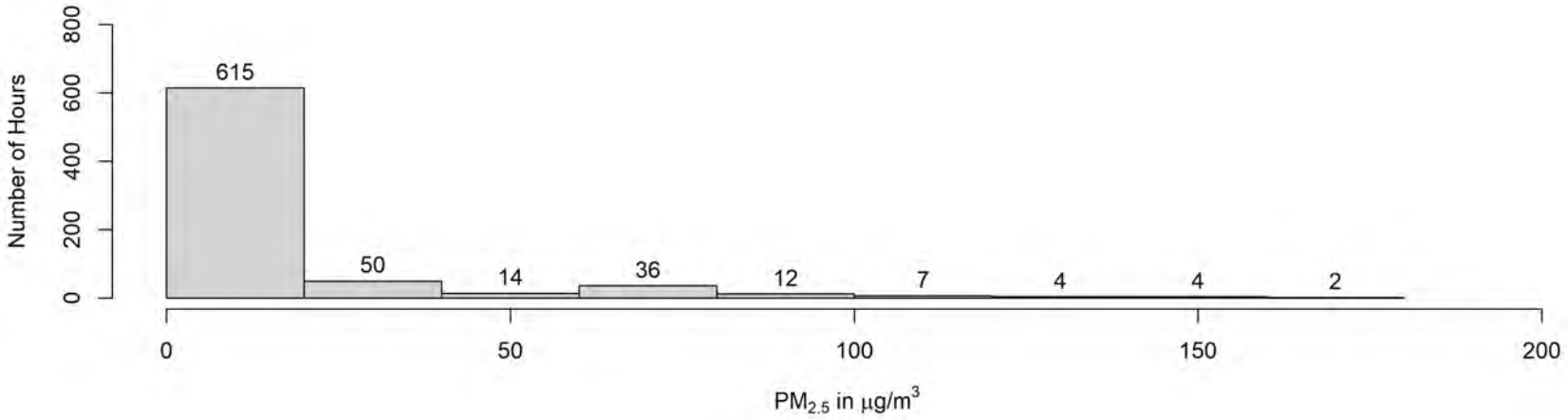


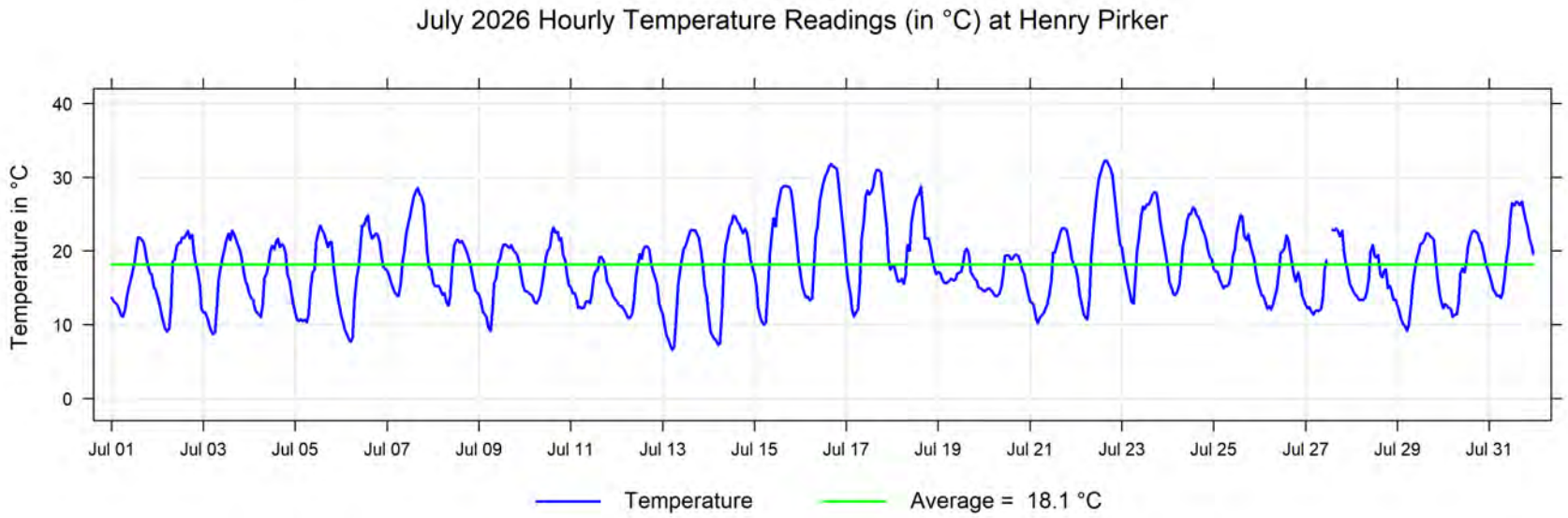
Average not valid, shown for reference only

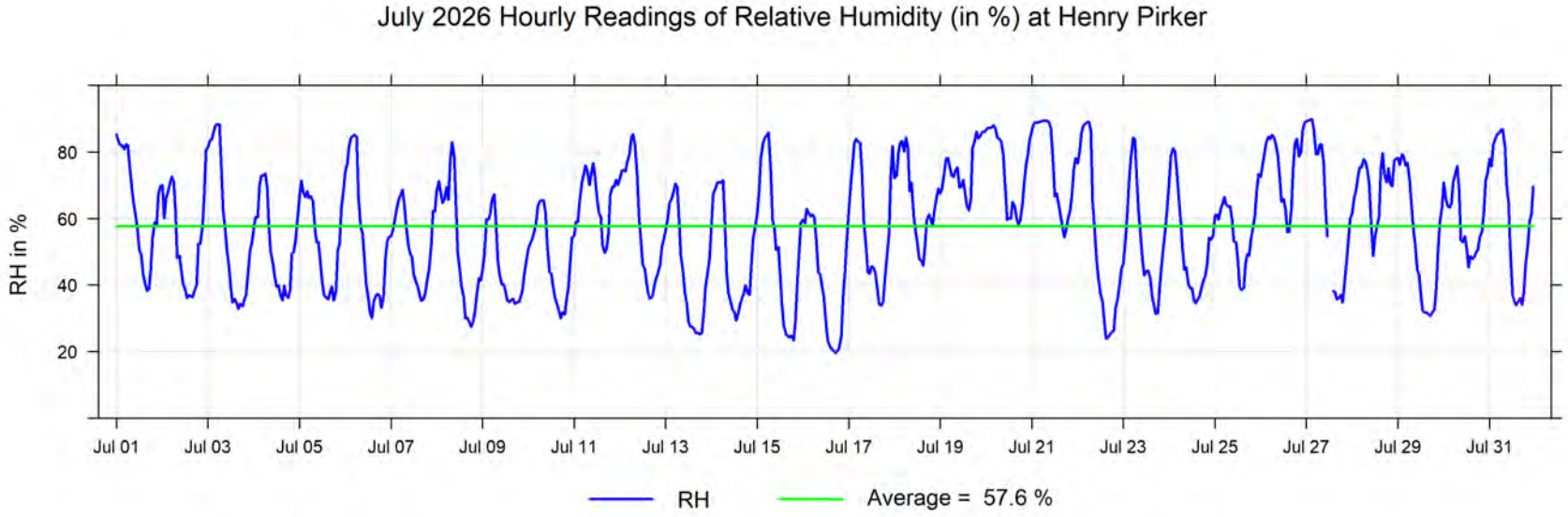

July 2026 Hourly Concentration Readings of CO (in ppm) at Henry Pirker
CO in ppm
12
10
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
CO
AAAQO Limit = 13 ppm
Average = 0.2 ppm

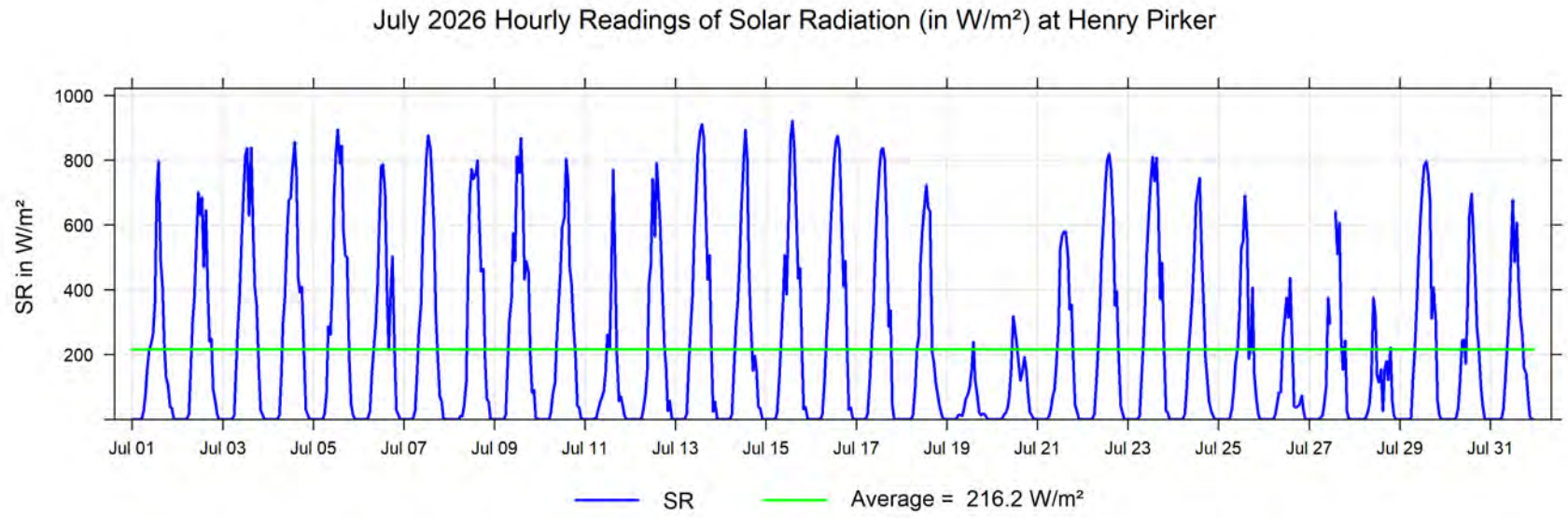

Number of Hours
0
200
400
600
603
50
49
6
2
0.0
0.5
1.0
1.5
2.0
2.5
3.0
CO in ppm

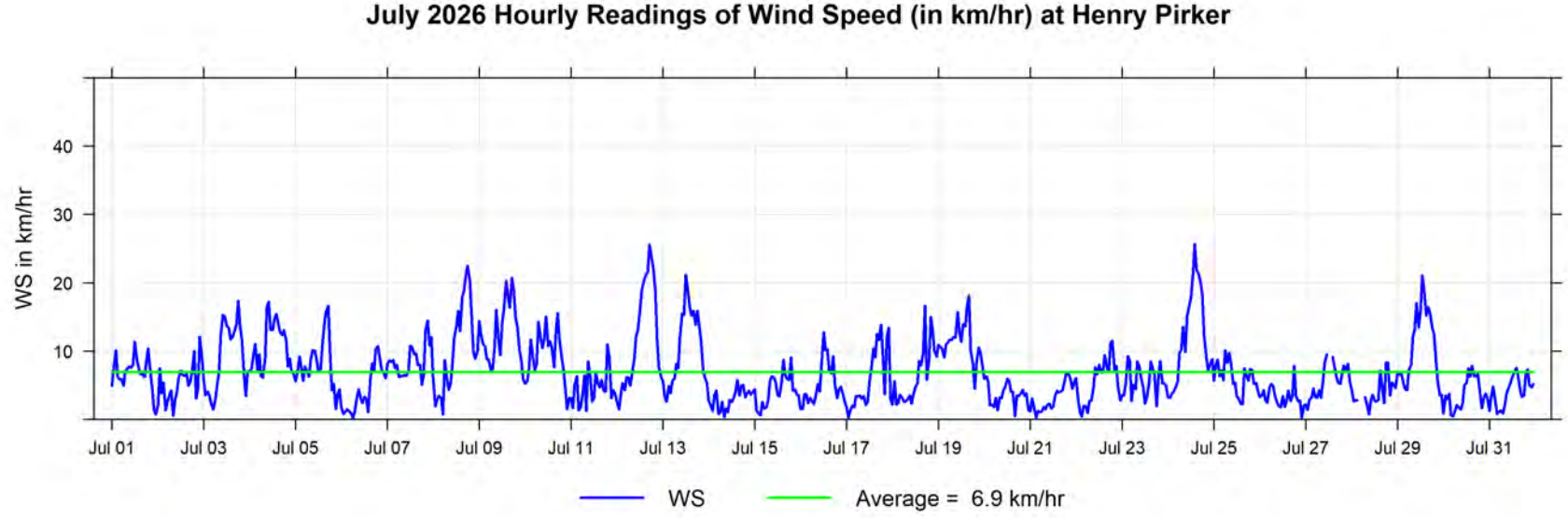

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Henry Pirker
PM2.5 in µg/m3
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 14.7 µg/m3

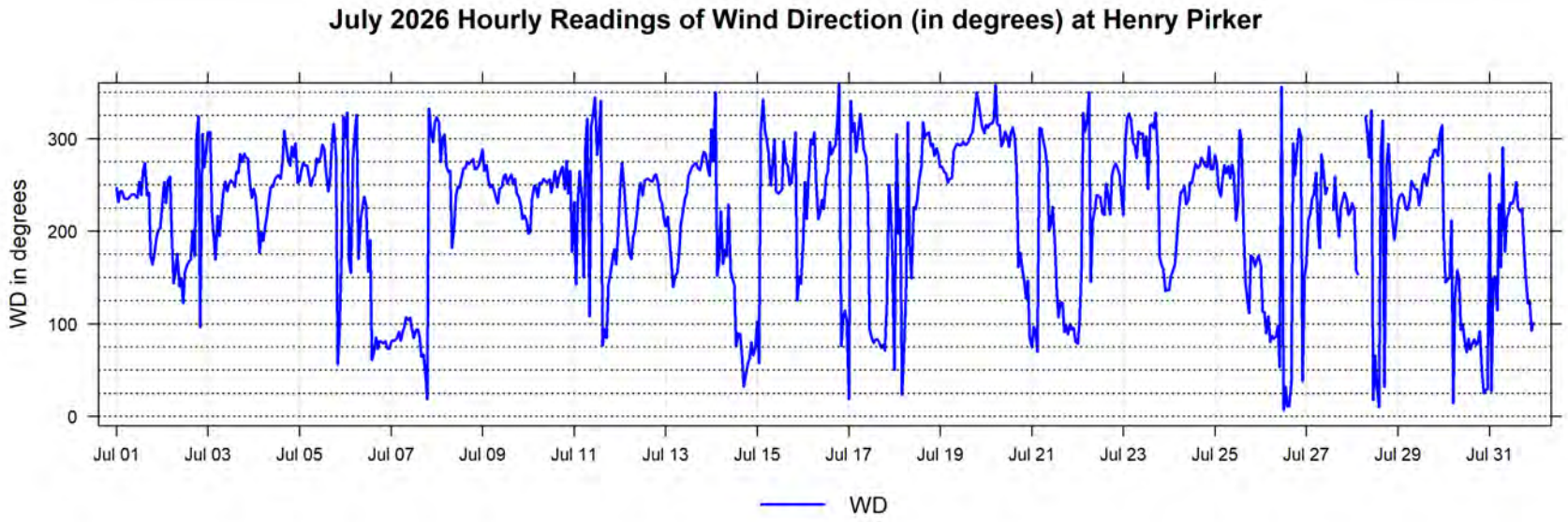

Number of Hours
0
200
400
600
800
615
50
14
36
12
7
4
4
2
0
50
100
150
200
PM2.5 in µg/m3

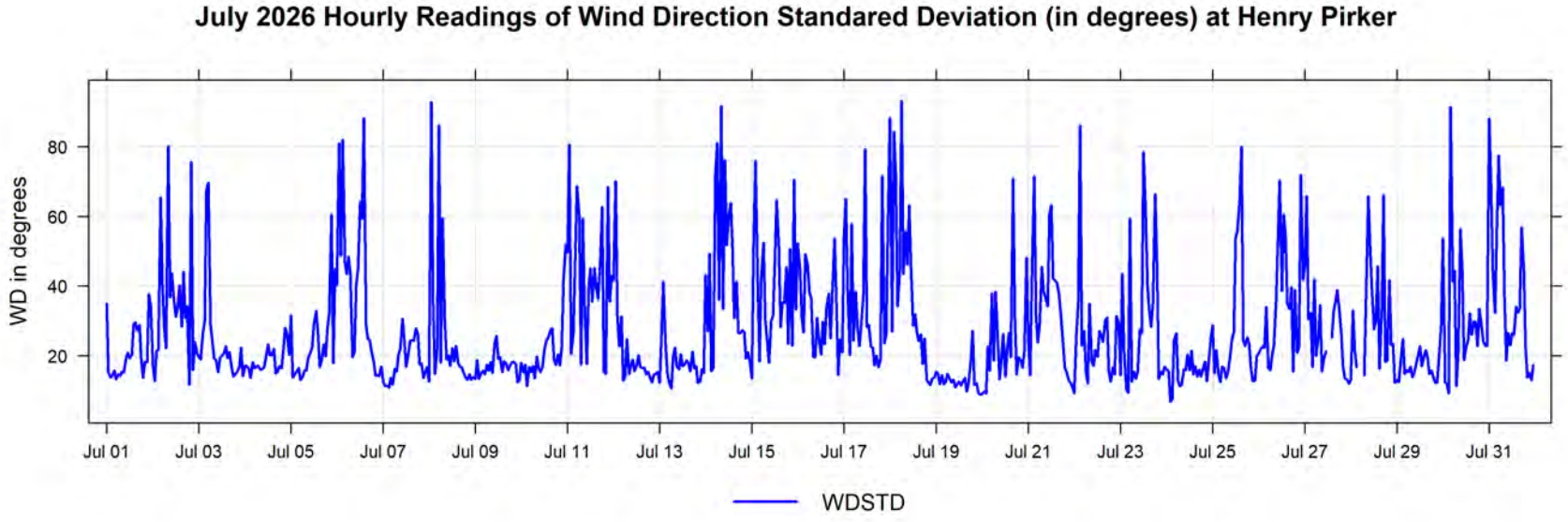

July 2026 Hourly Temperature Readings (in °C) at Henry Pirker
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 18.1 °C

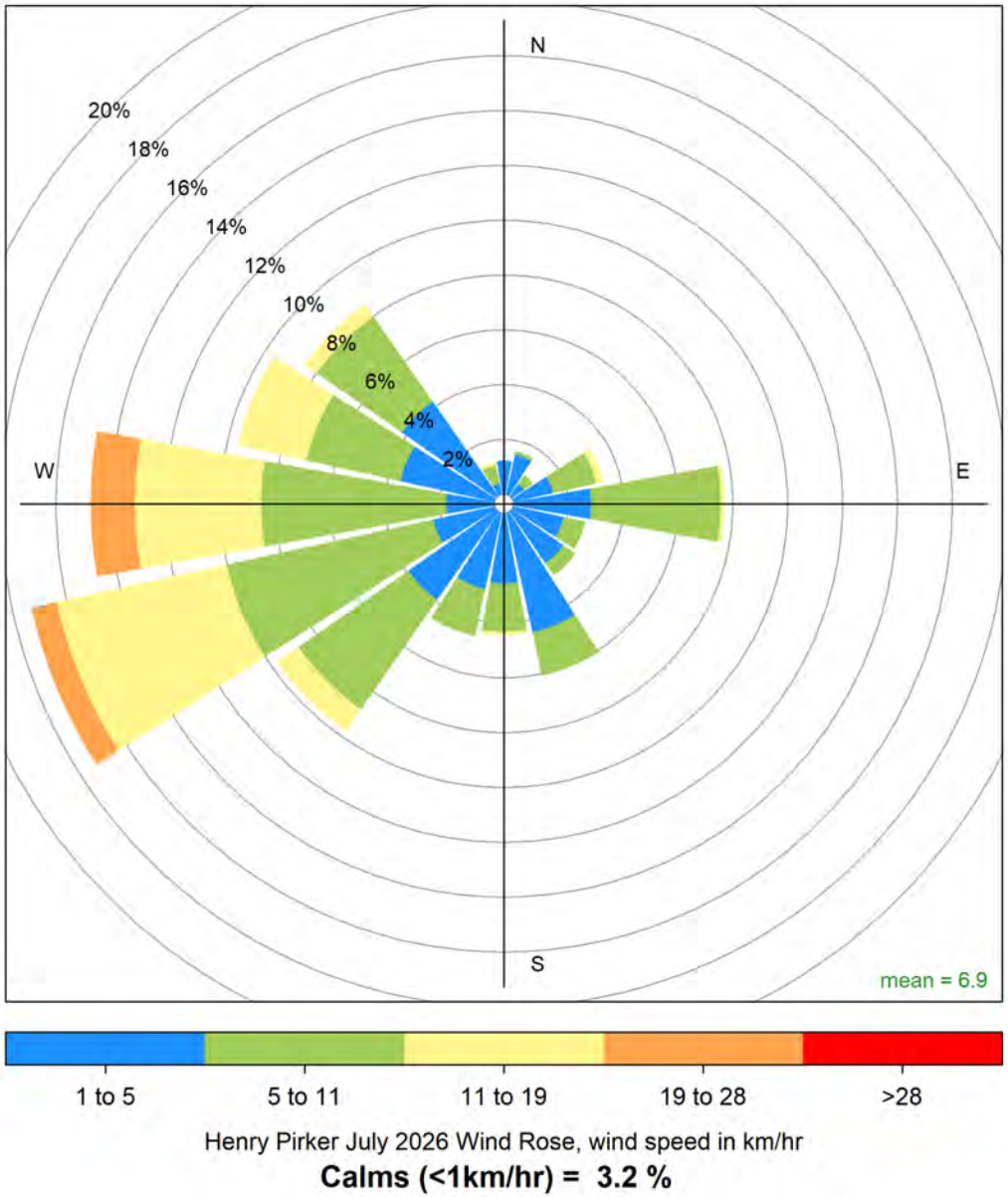

July 2026 Hourly Readings of Relative Humidity (in %) at Henry Pirker
RH in %
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
RH
Average = 57.6 %


July 2026 Hourly Readings of Solar Radiation (in W/m²) at Henry Pirker
SR in W/m²
1000
800
600
400
200
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SR
Average = 216.2 W/m²


July 2026 Hourly Readings of Wind Speed (in km/hr) at Henry Pirker
WS in km/hr
40
30
20
10
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 6.9 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Henry Pirker
WD in degrees
0
100
200
300
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Henry Pirker
WD in degrees
20
40
60
80
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

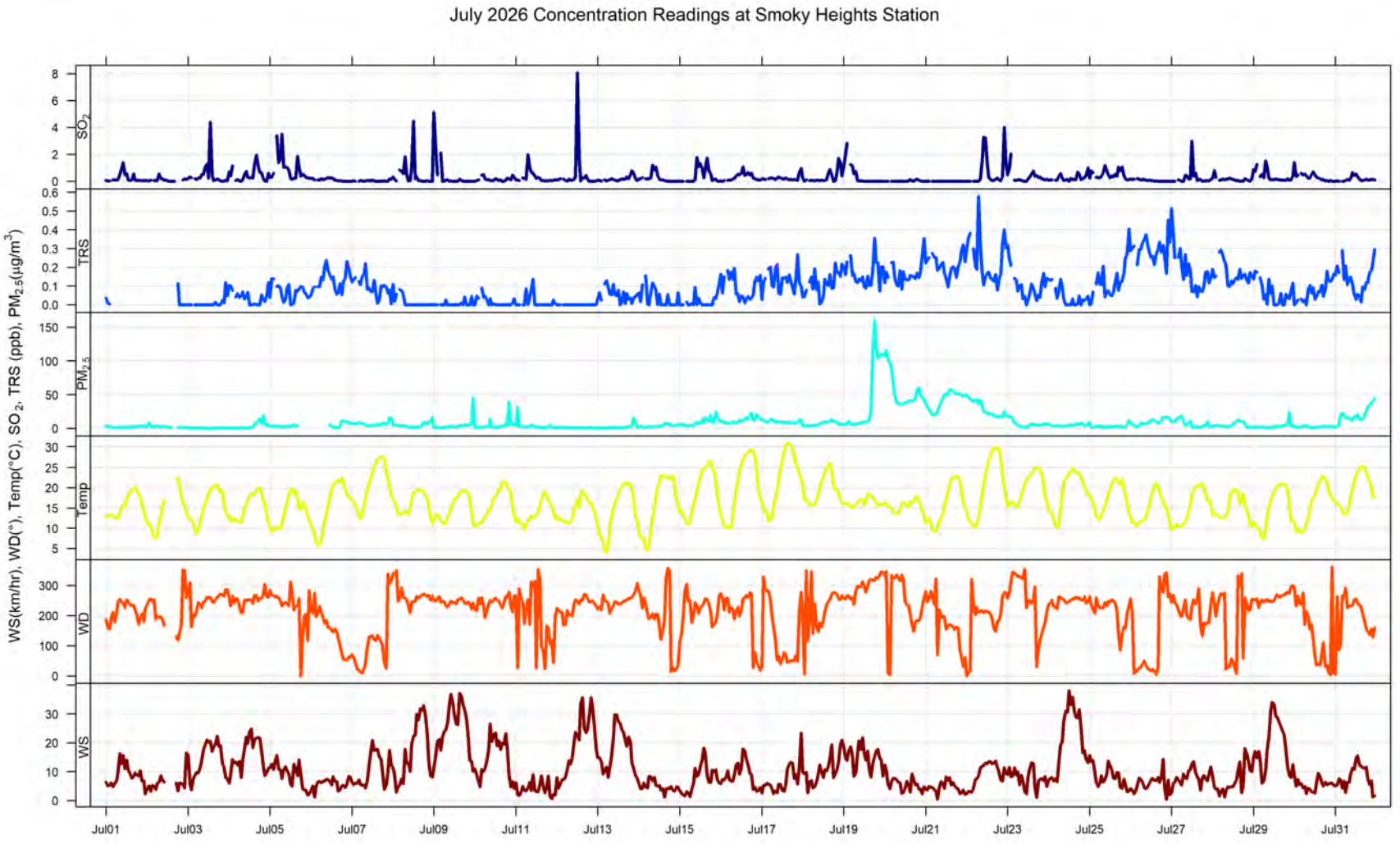


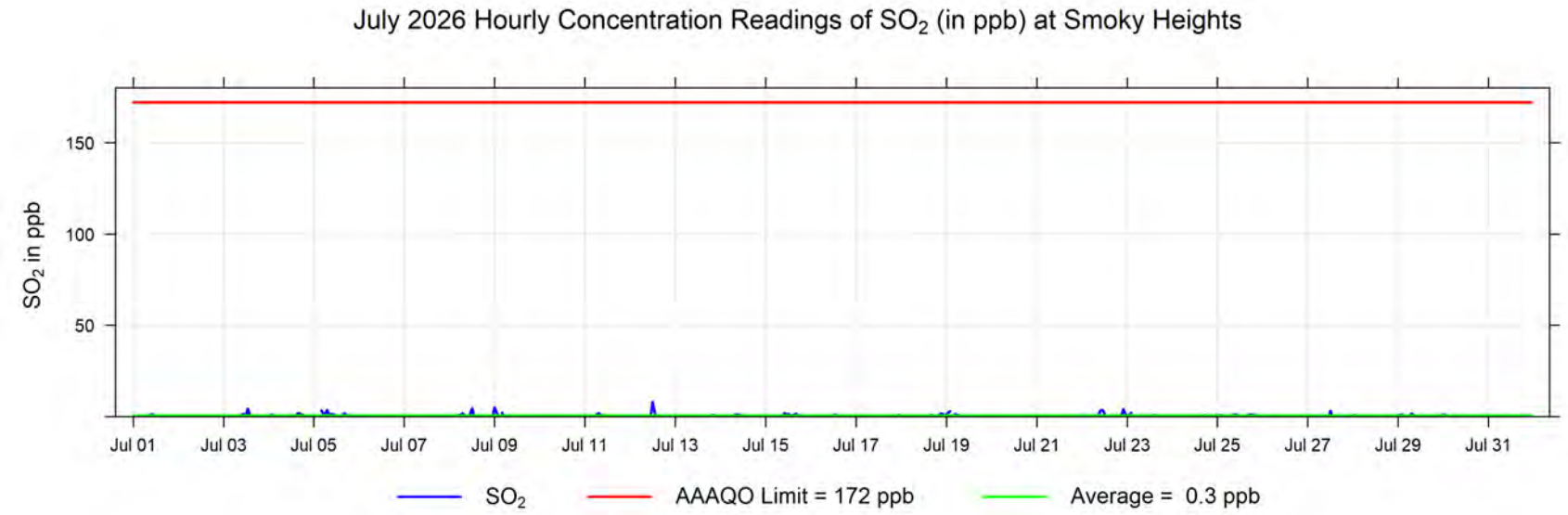
Henry Pirker July 2026 Wind Rose, wind speed in km/hr

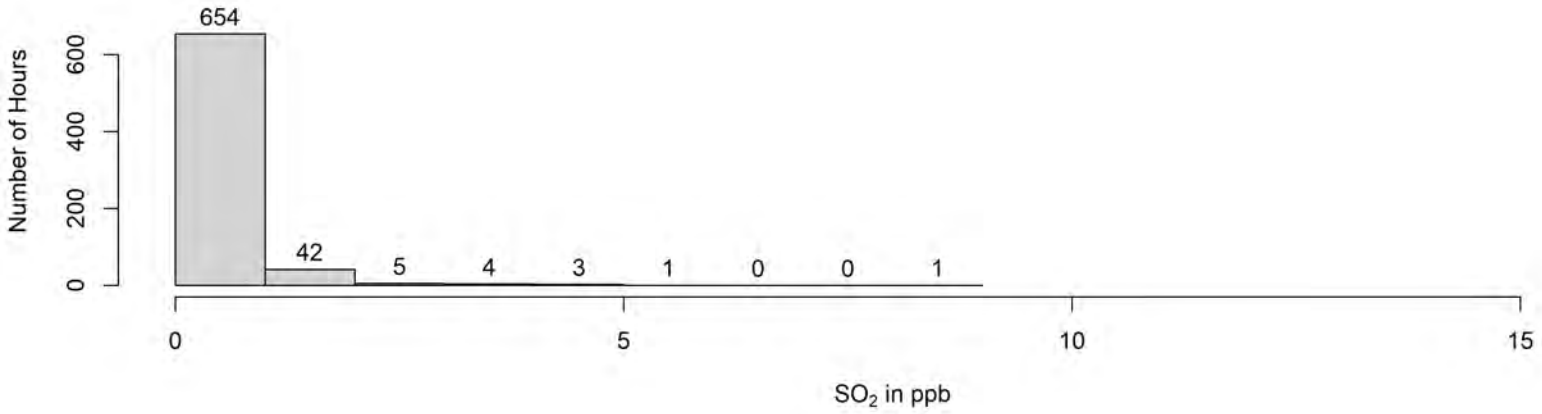
Calms (<1km/hr) = 3.2 %

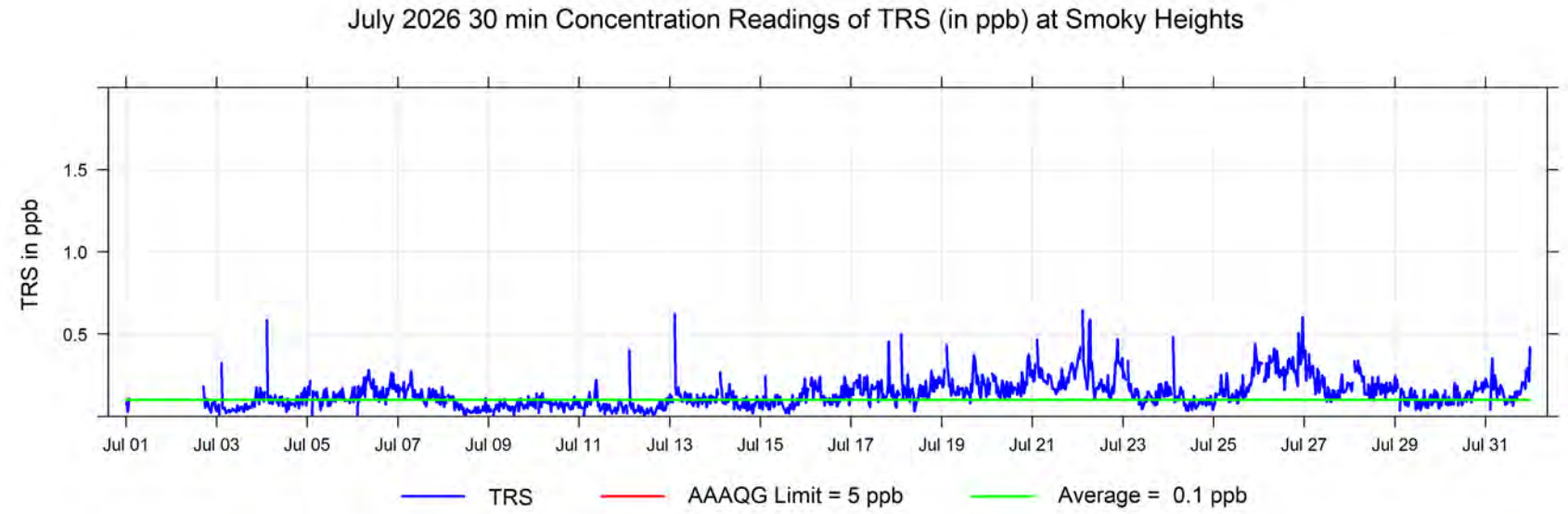
5 Smoky Heights Charts

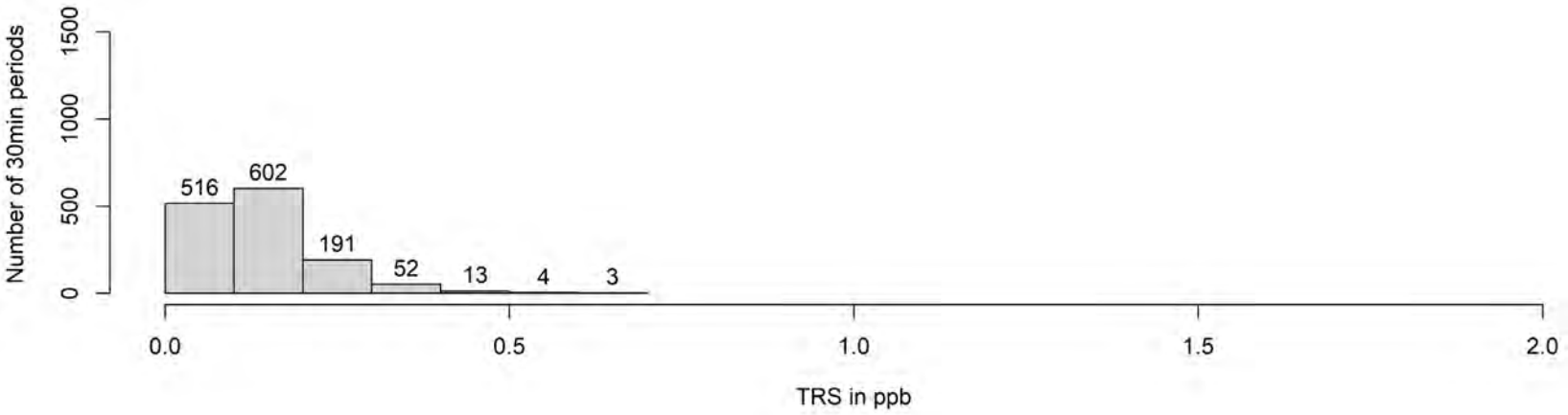
The following pages include the charts and histograms for Smoky Heights Station

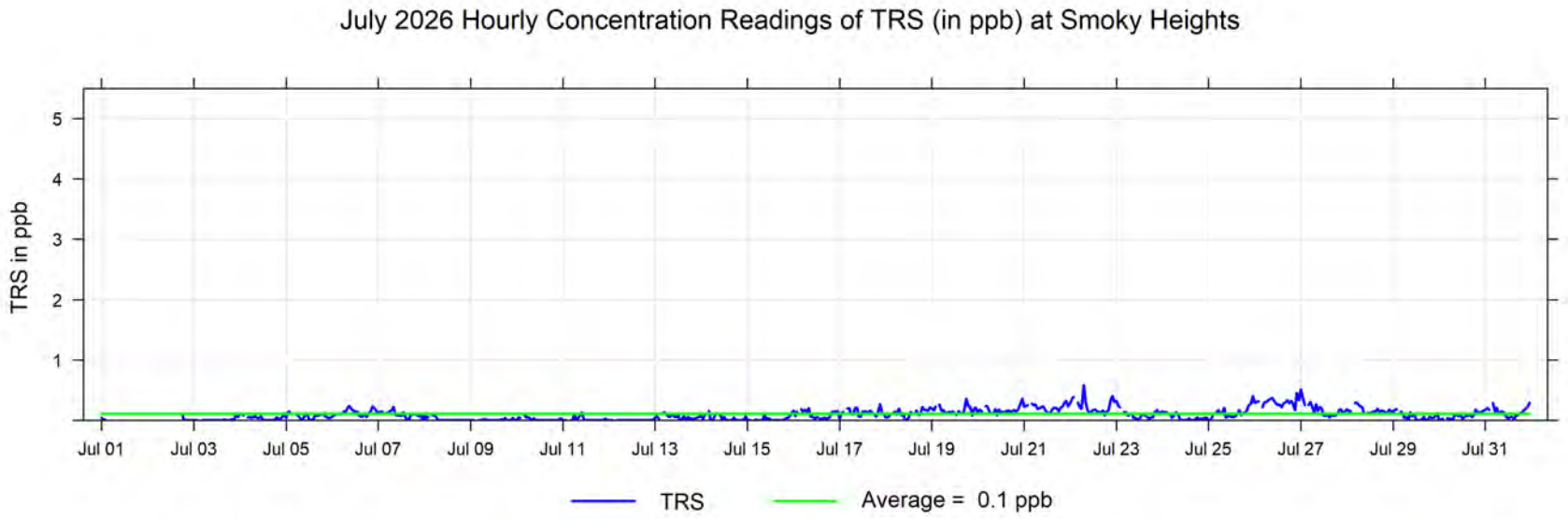


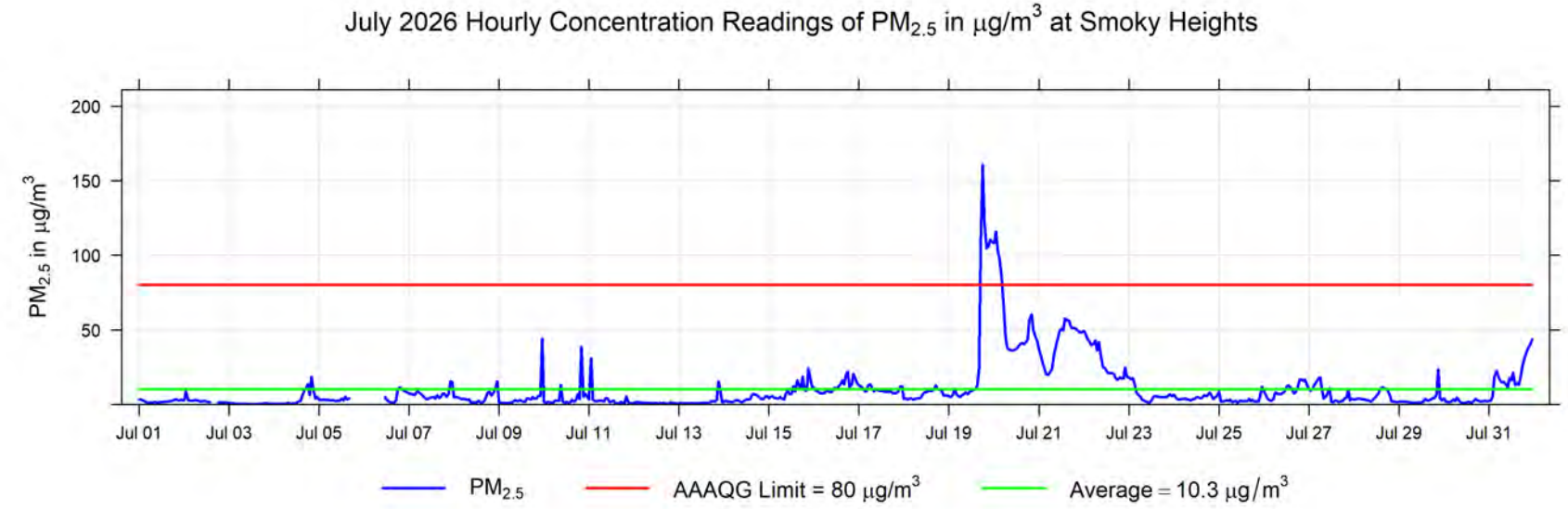

July 2026 Hourly Concentration Readings of SO2 (in ppb) at Smoky Heights
SO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO2
AAAQO Limit = 172 ppb
Average = 0.3 ppb

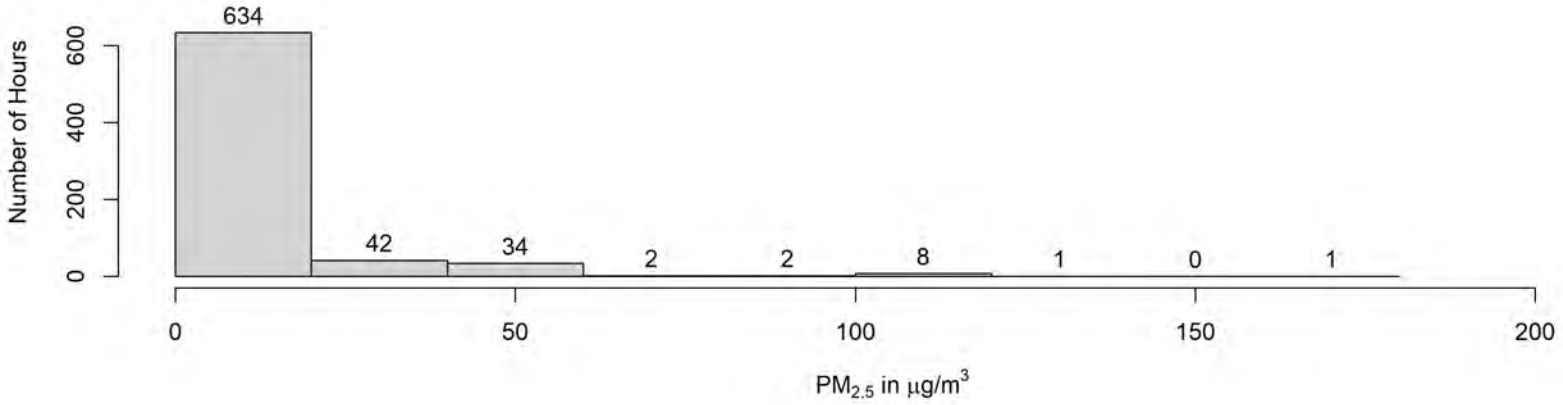

Number of Hours
0
200
400
600
654
42
5
4
3
1
0
0
1
0
5
10
15
SO2 in ppb

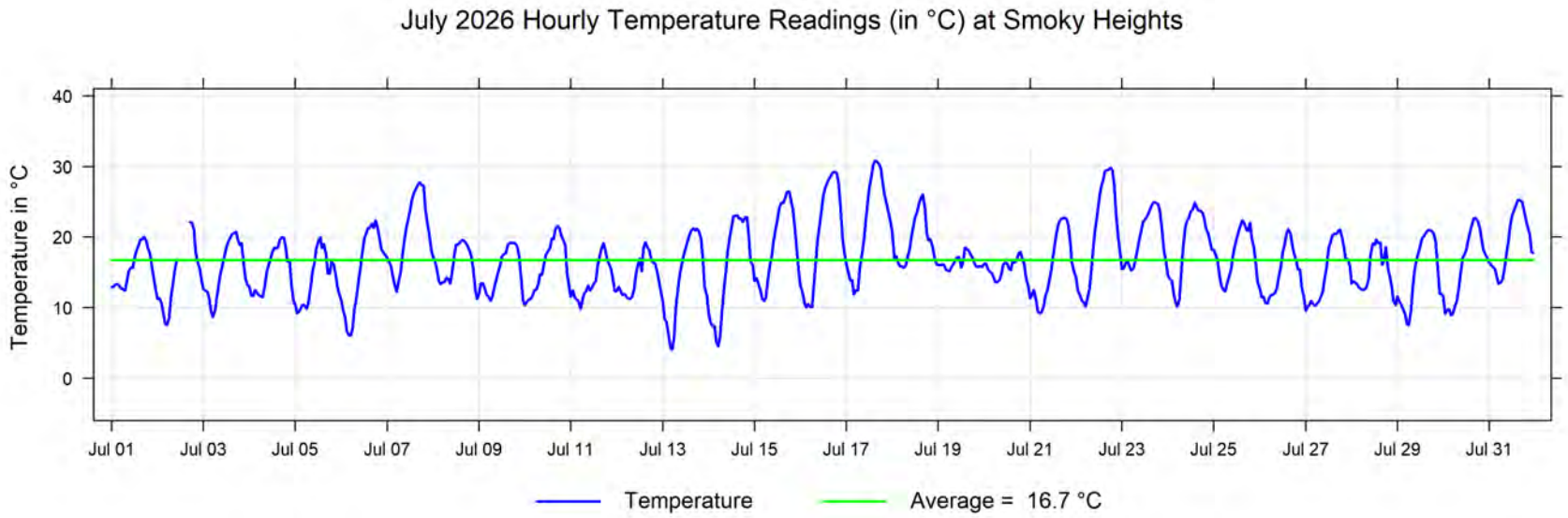

July 2026 30 min Concentration Readings of TRS (in ppb) at Smoky Heights
TRS in ppb
1.5
1.0
0.5
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
TRS
AAAQG Limit = 5 ppb
Average = 0.1 ppb

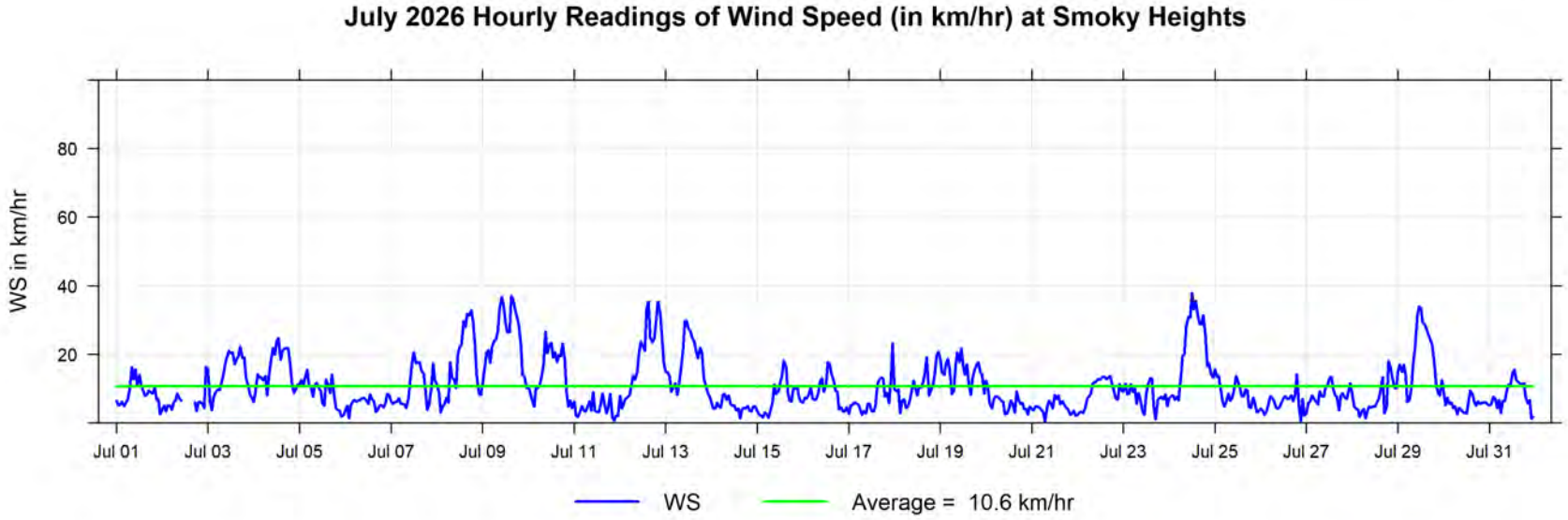

Number of 30min periods
0
500
1000
1500
516
602
191
52
13
4
3
0.0
0.5
1.0
1.5
2.0
TRS in ppb

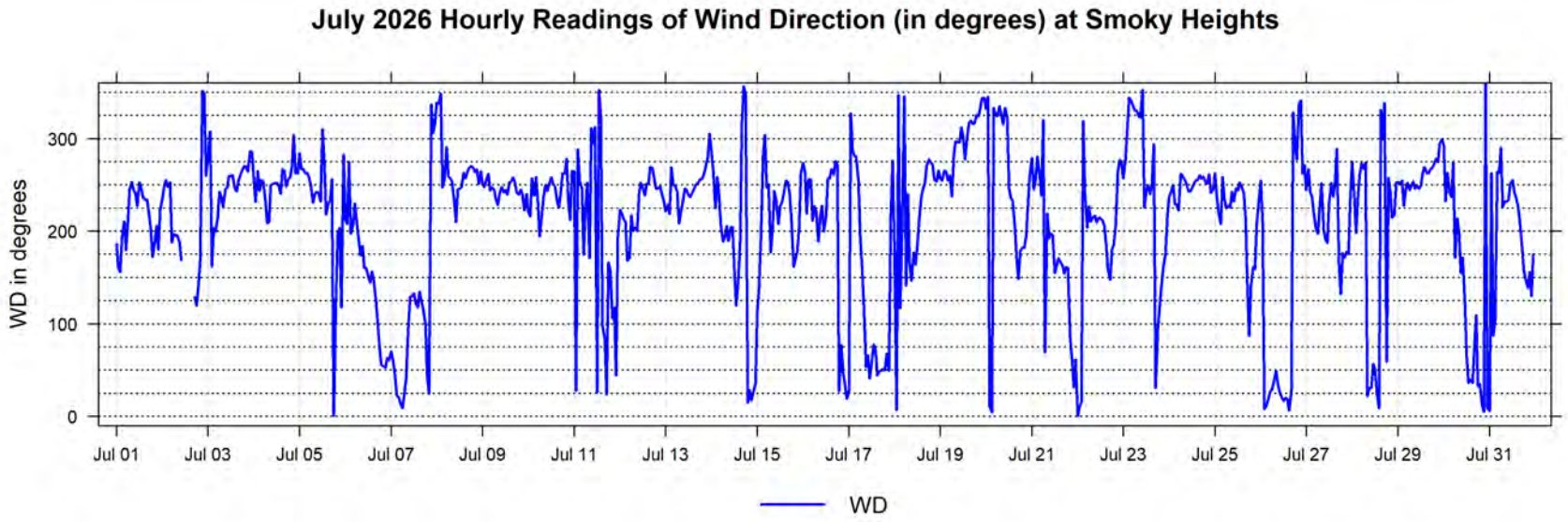

July 2026 Hourly Concentration Readings of TRS (in ppb) at Smoky Heights
TRS in ppb
5
4
3
2
1
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
TRS
Average = 0.1 ppb

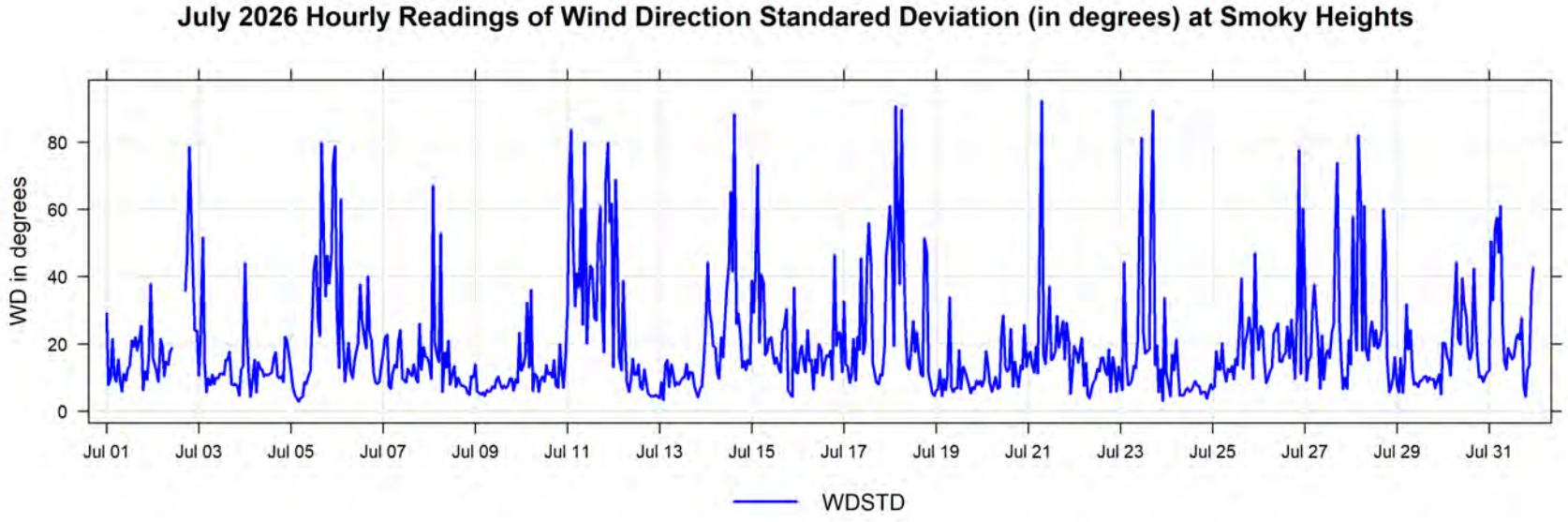

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Smoky Heights
PM2.5 in µg/m3
200
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 10.3 µg/m3

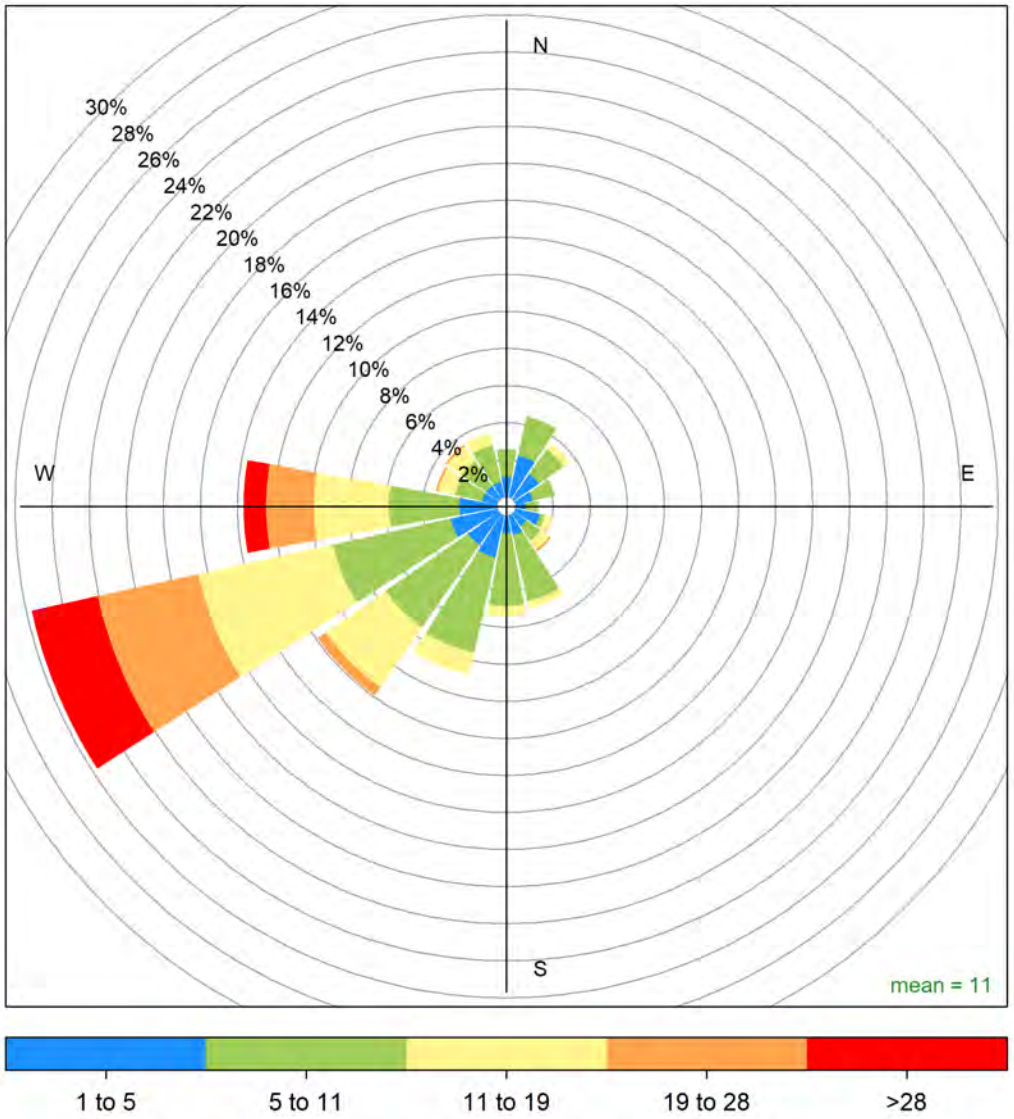

Number of Hours
0
200
400
600
634
42
34
2
2
8
1
0
1
0
50
100
150
200
PM2.5 in µg/m3


July 2026 Hourly Temperature Readings (in °C) at Smoky Heights
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 16.7 °C


July 2026 Hourly Readings of Wind Speed (in km/hr) at Smoky Heights
WS in km/hr
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 10.6 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Smoky Heights
WD in degrees
0
100
200
300
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Smoky Heights
WD in degrees
0
20
40
60
80
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

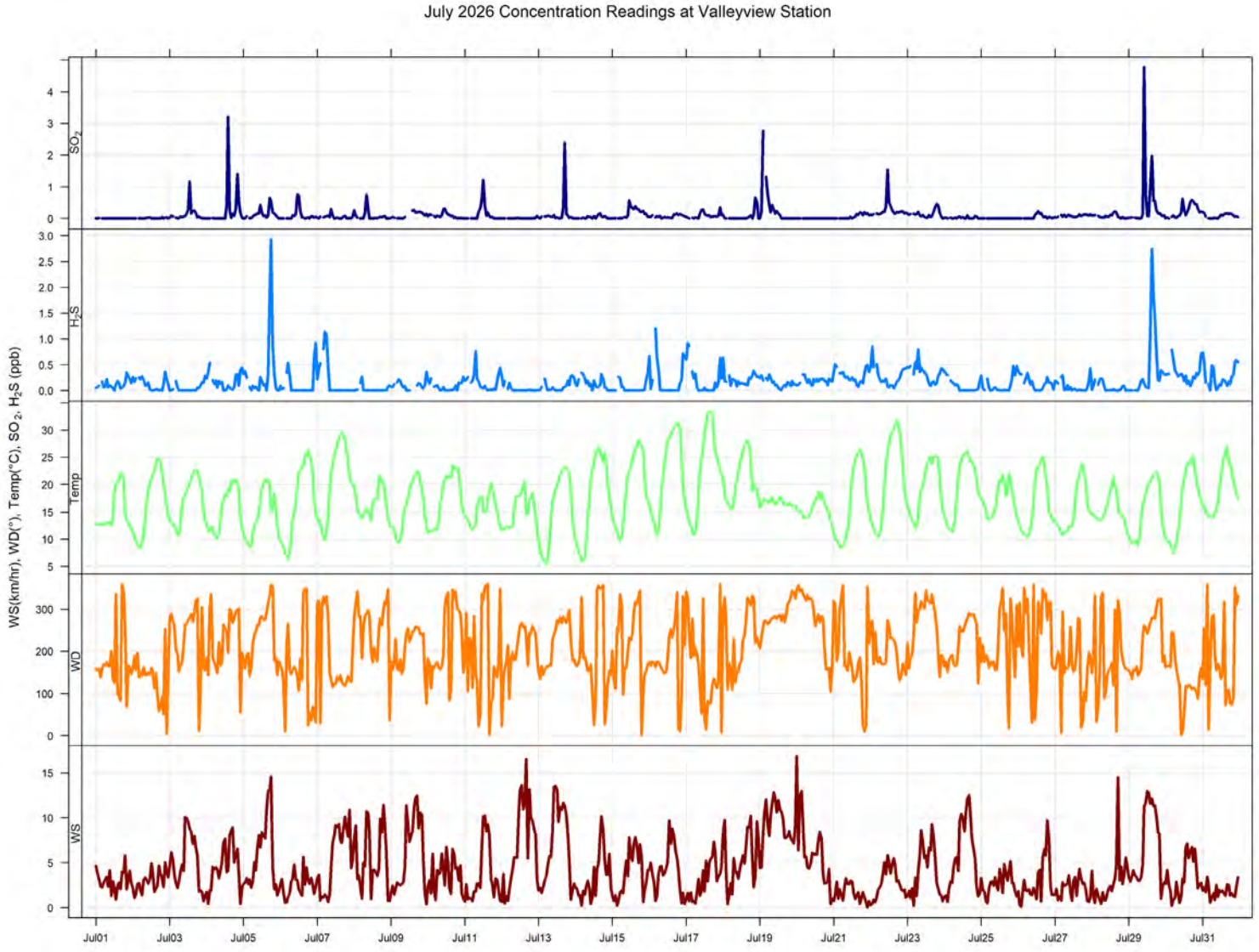


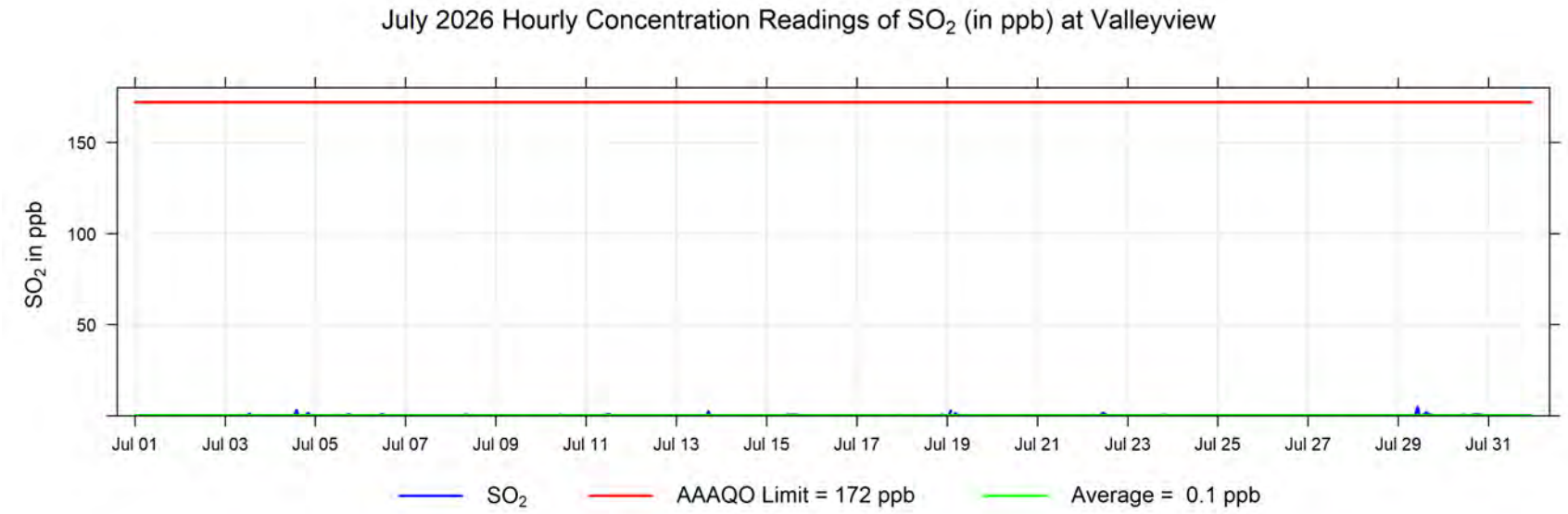
Smoky Heights July 2026 Wind Rose, wind speed in km/hr

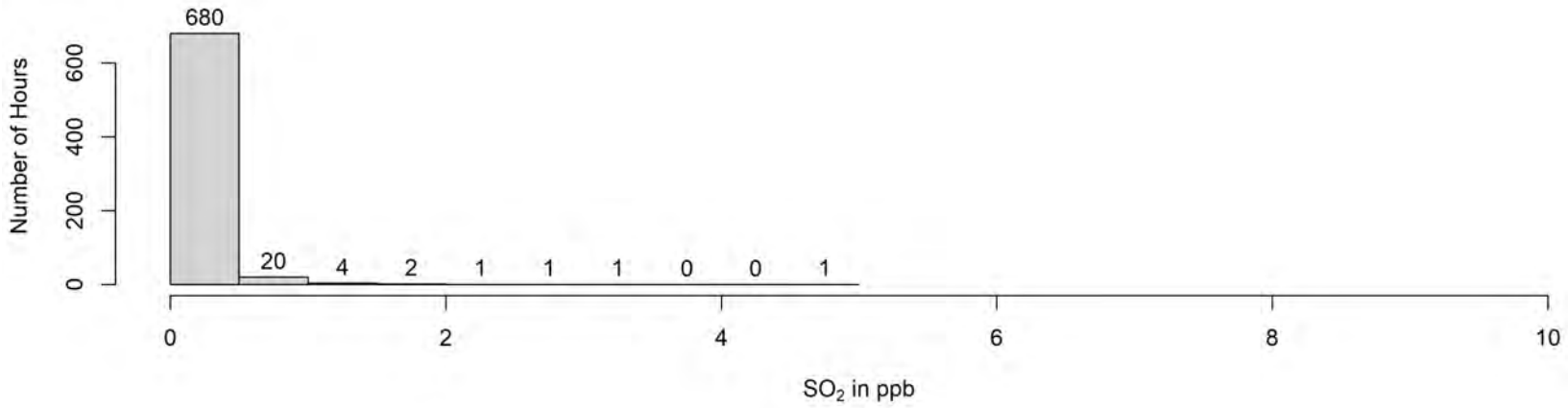
Calms (<1km/hr) = 0.4 %

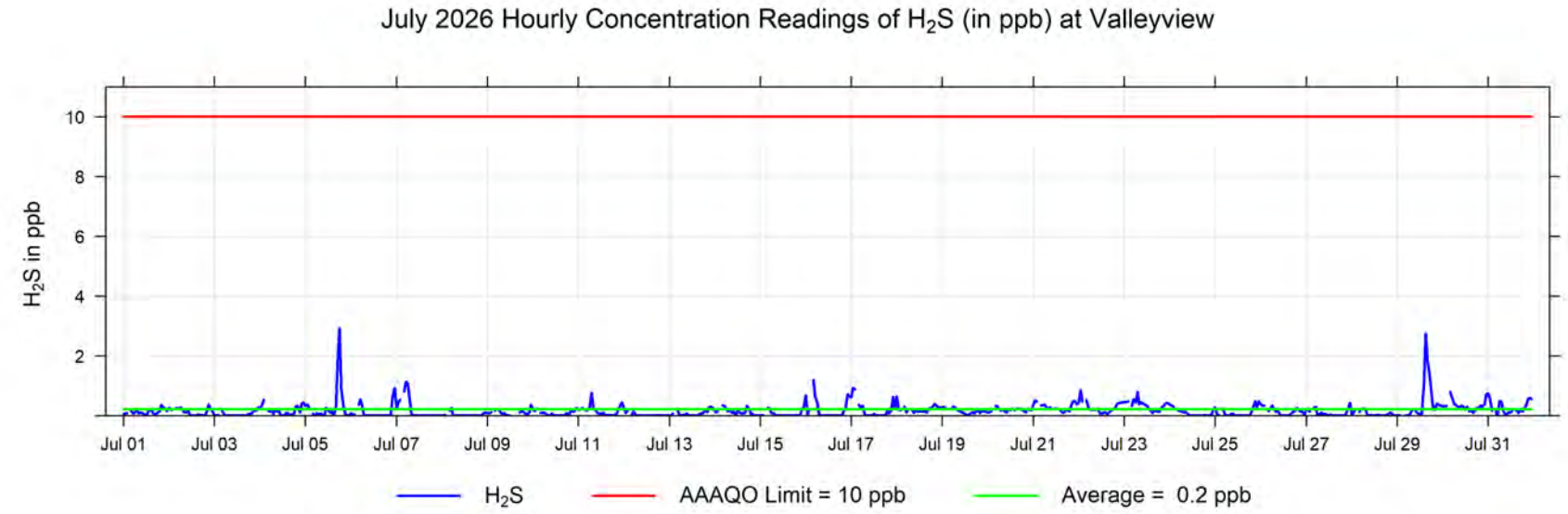
6 Valleyview Charts

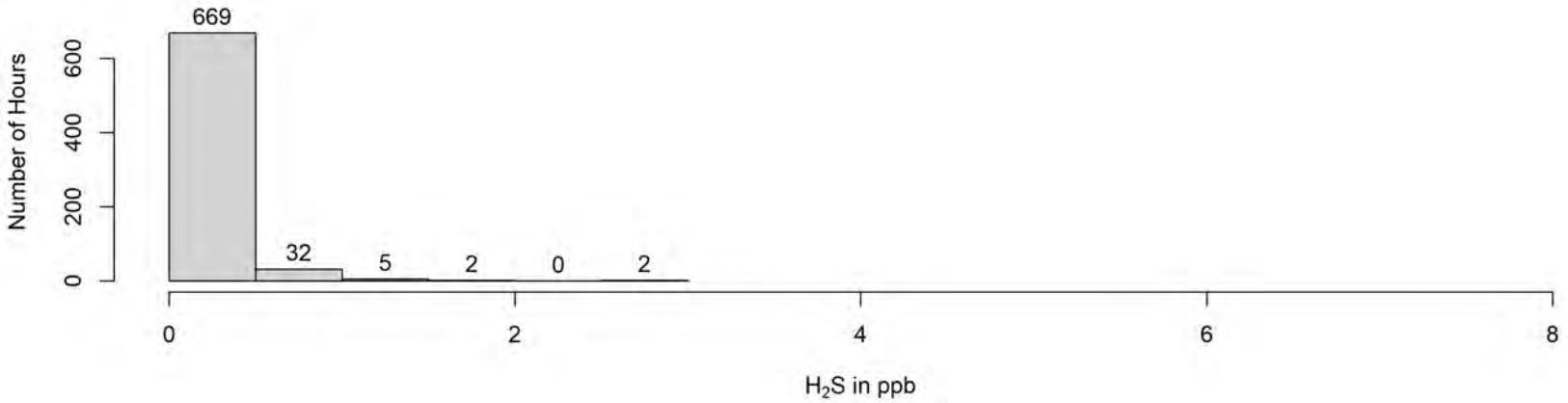
The following pages include the charts and histograms for Valleyview Station

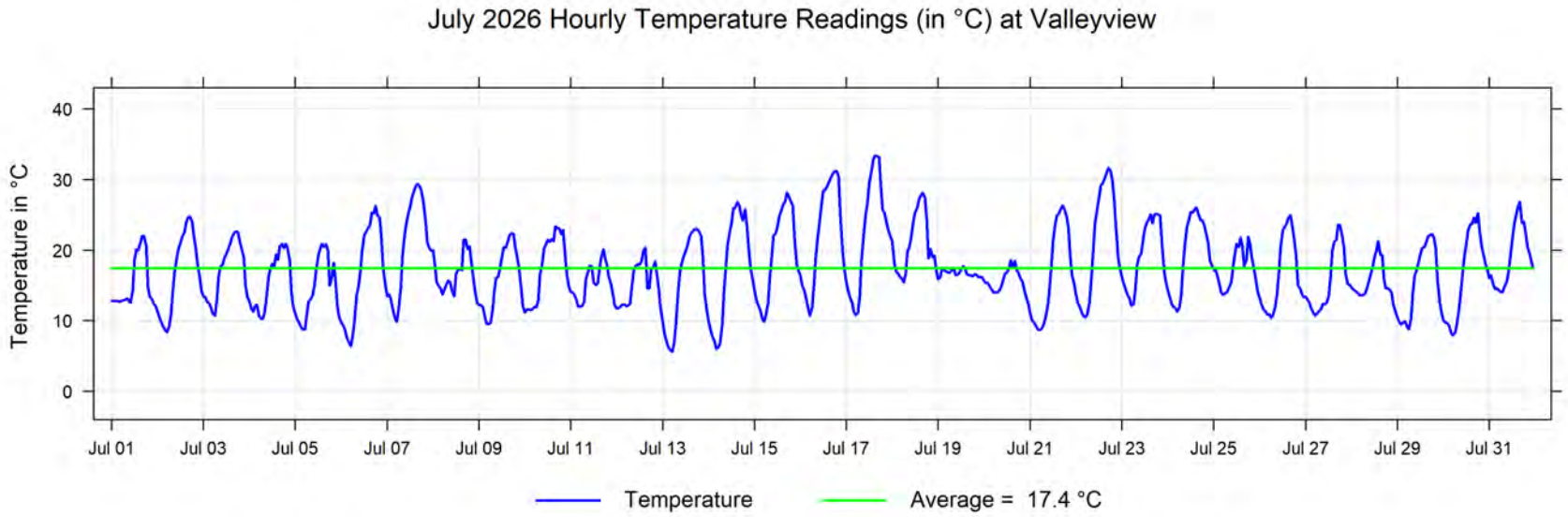


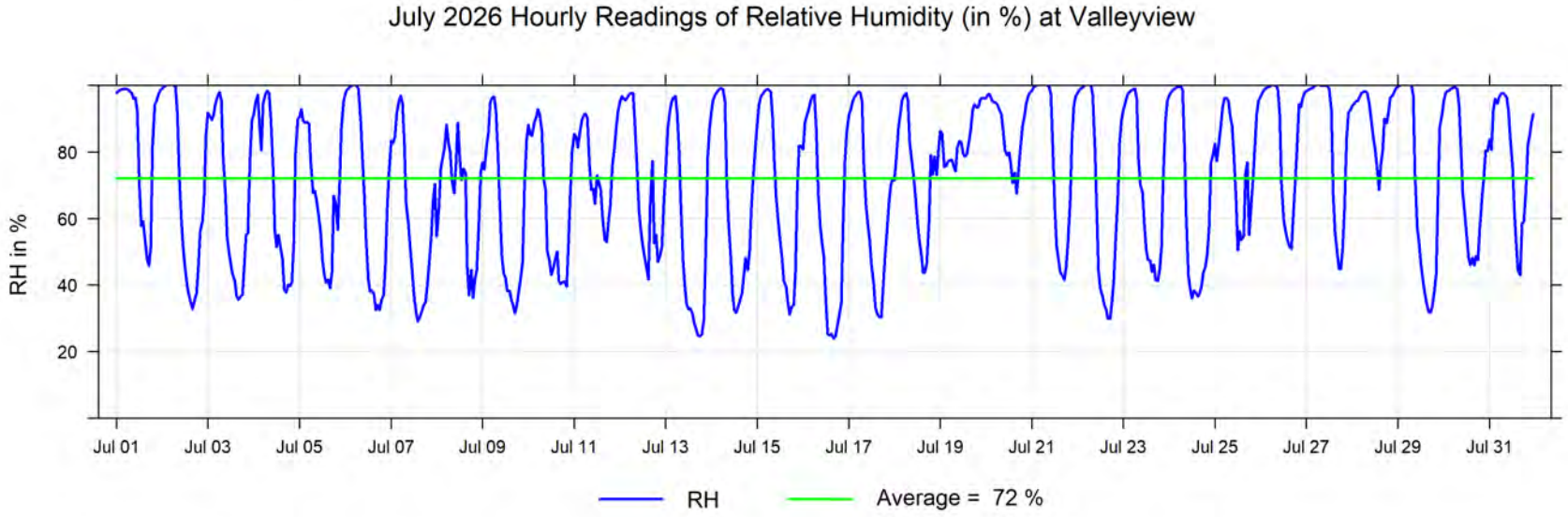

July 2026 Hourly Concentration Readings of SO2 (in ppb) at Valleyview
SO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO2
AAAQO Limit = 172 ppb
Average = 0.1 ppb

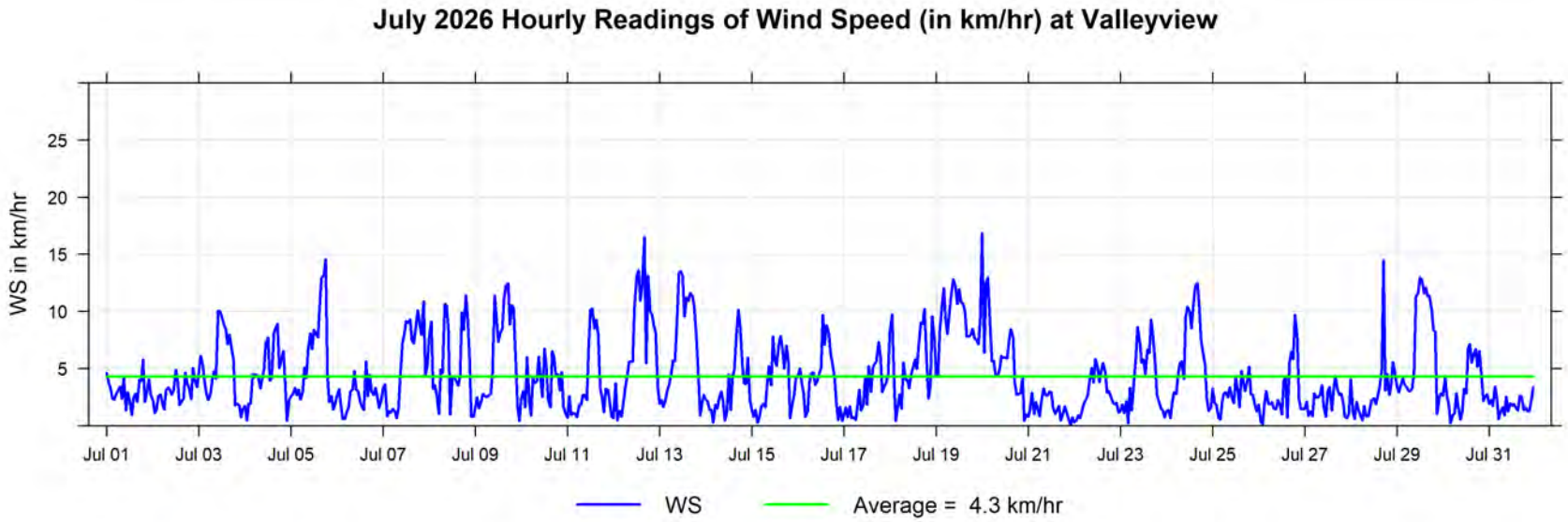

Number of Hours
0
200
400
600
680
20
4
2
1
1
1
0
0
1
0
2
4
6
8
10
SO2 in ppb

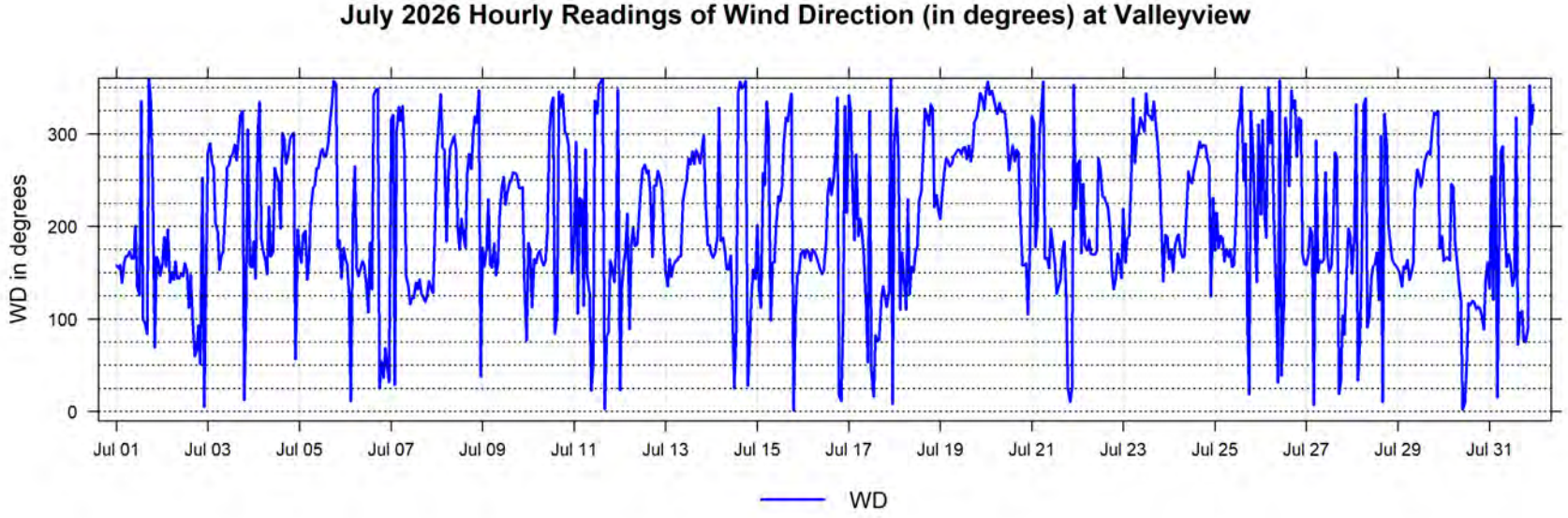

July 2026 Hourly Concentration Readings of H2S (in ppb) at Valleyview
H2S in ppb
10
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
H2S
AAAQO Limit = 10 ppb
Average = 0.2 ppb

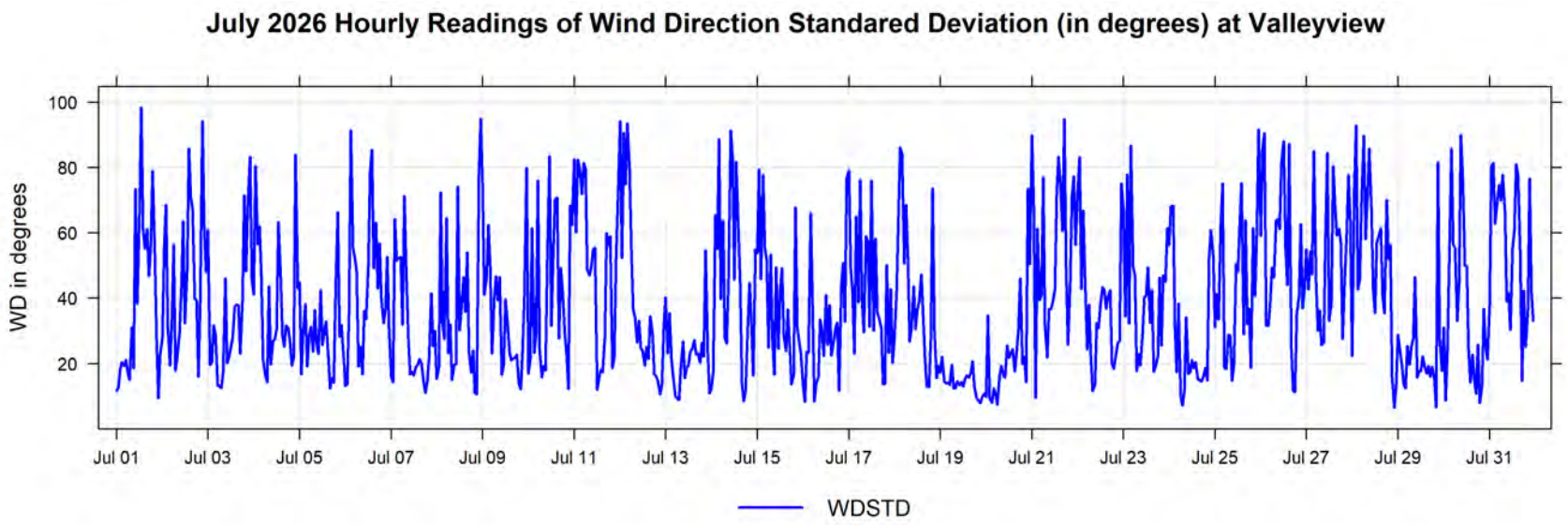

Number of Hours
0
200
400
600
669
32
5
2
0
2
0
2
4
6
8
H2S in ppb

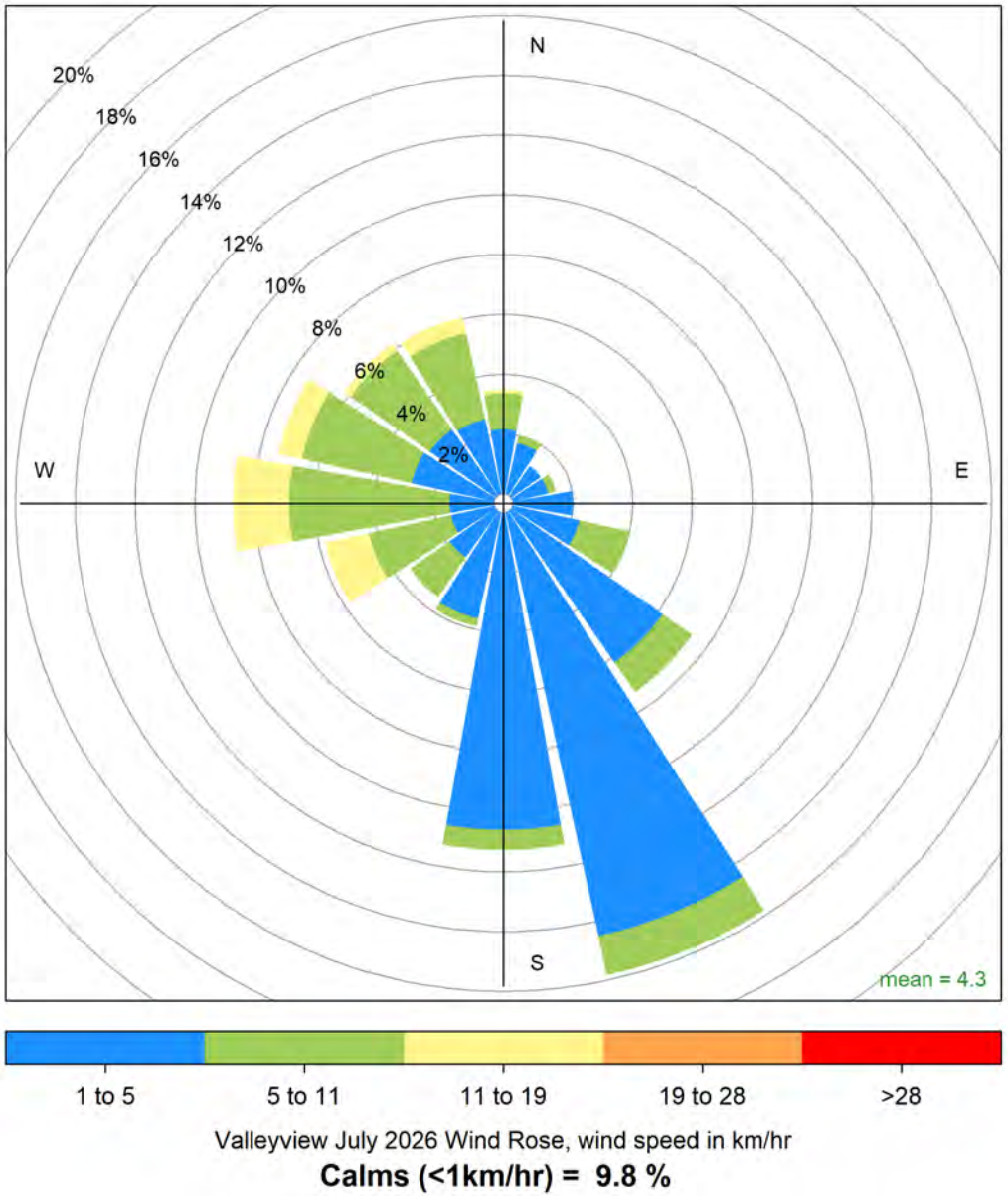

July 2026 Hourly Temperature Readings (in °C) at Valleyview
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 17.4 °C


July 2026 Hourly Readings of Relative Humidity (in %) at Valleyview
RH in %
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
RH
Average = 72 %


July 2026 Hourly Readings of Wind Speed (in km/hr) at Valleyview
WS in km/hr
25
20
15
10
5
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 4.3 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Valleyview
WD in degrees
300
200
100
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Valleyview
WD in degrees
100
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

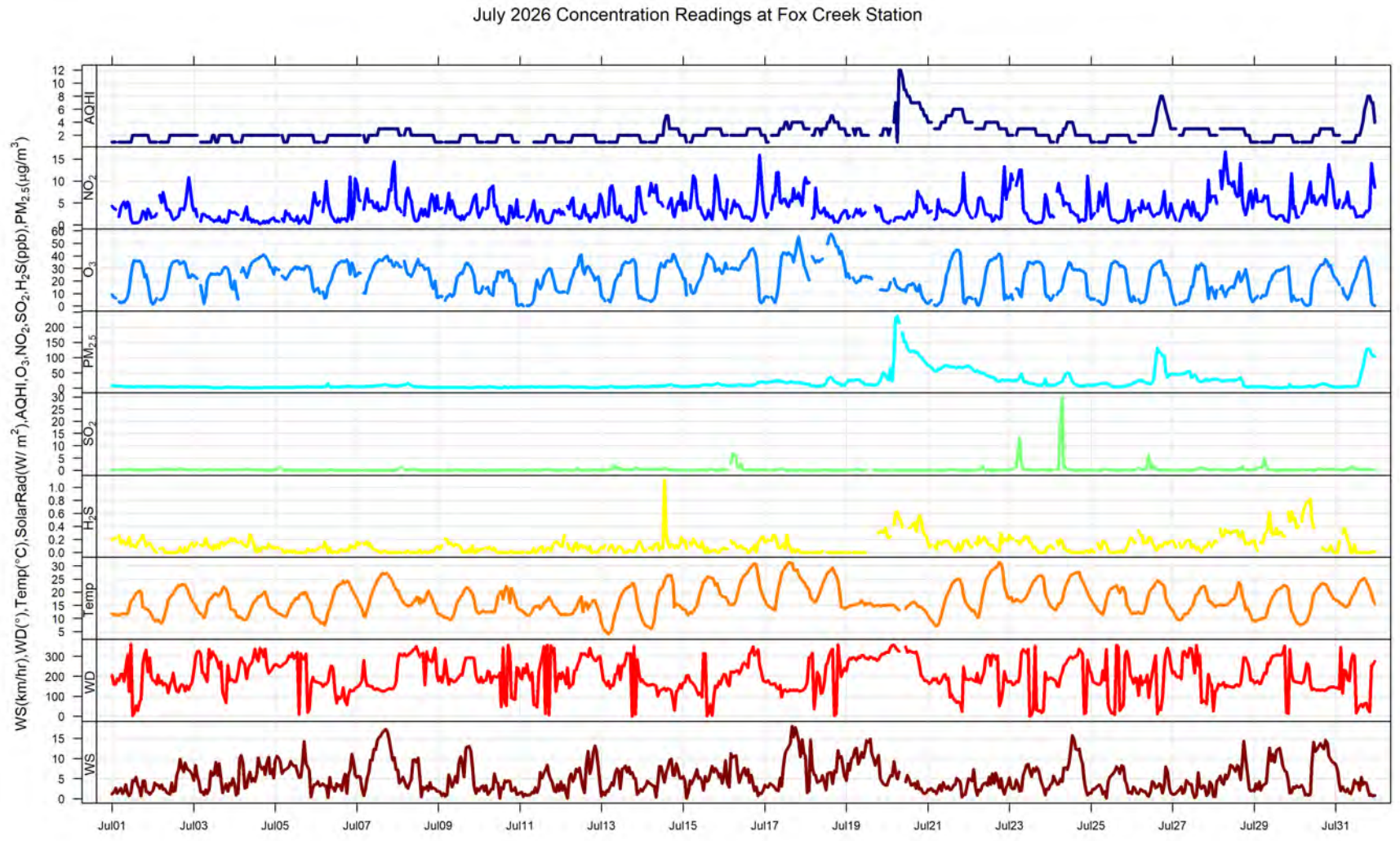


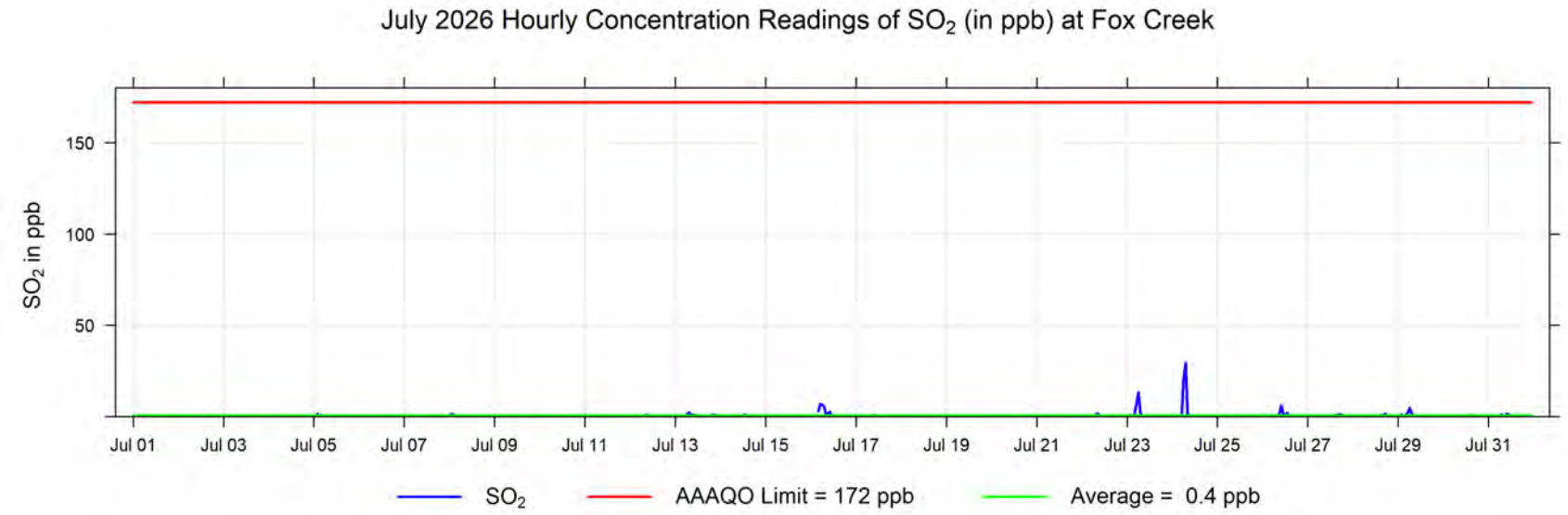
Valleyview July 2026 Wind Rose, wind speed in km/hr

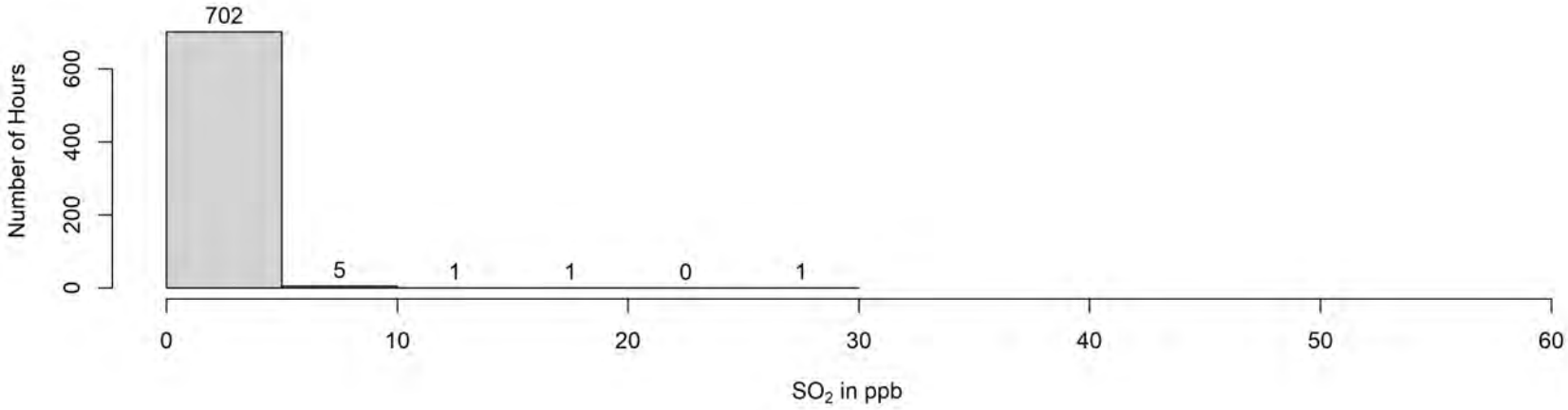
Calms (<1km/hr) = 9.8 %

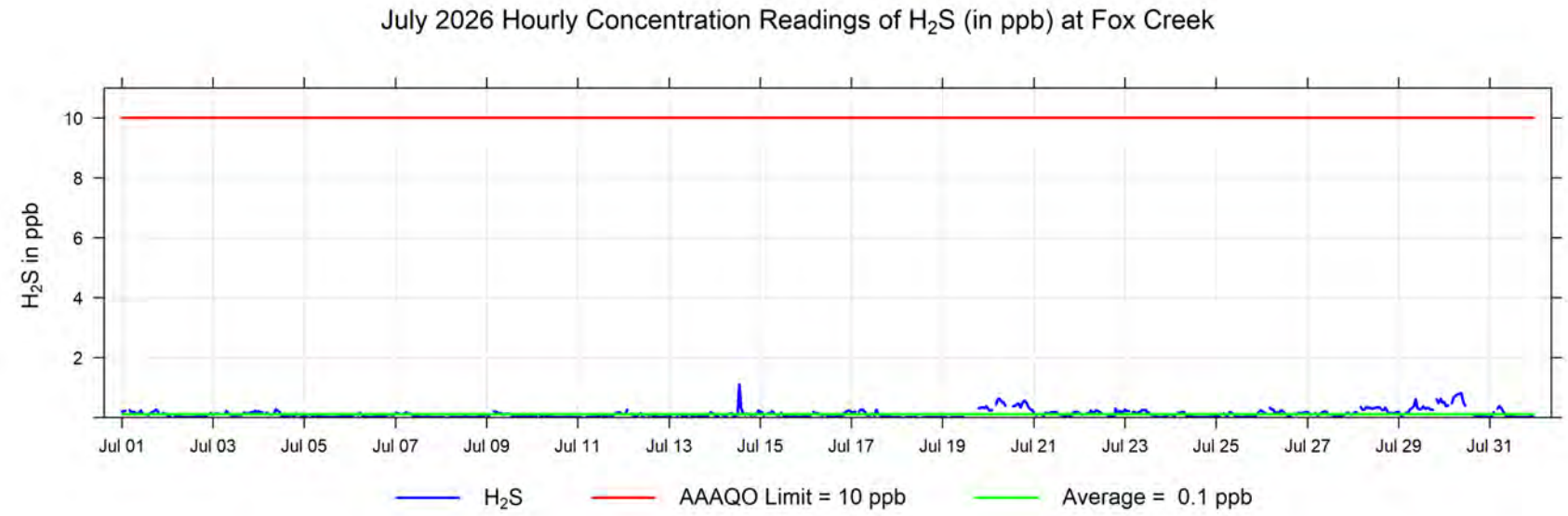
7 Fox Creek Charts

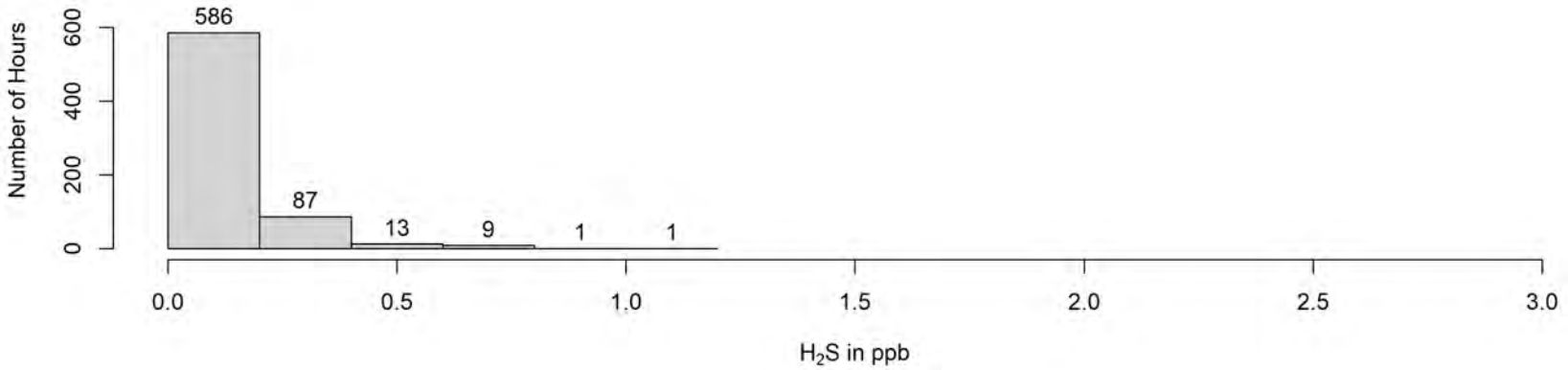
The following pages include the charts and histograms for Fox Creek Station

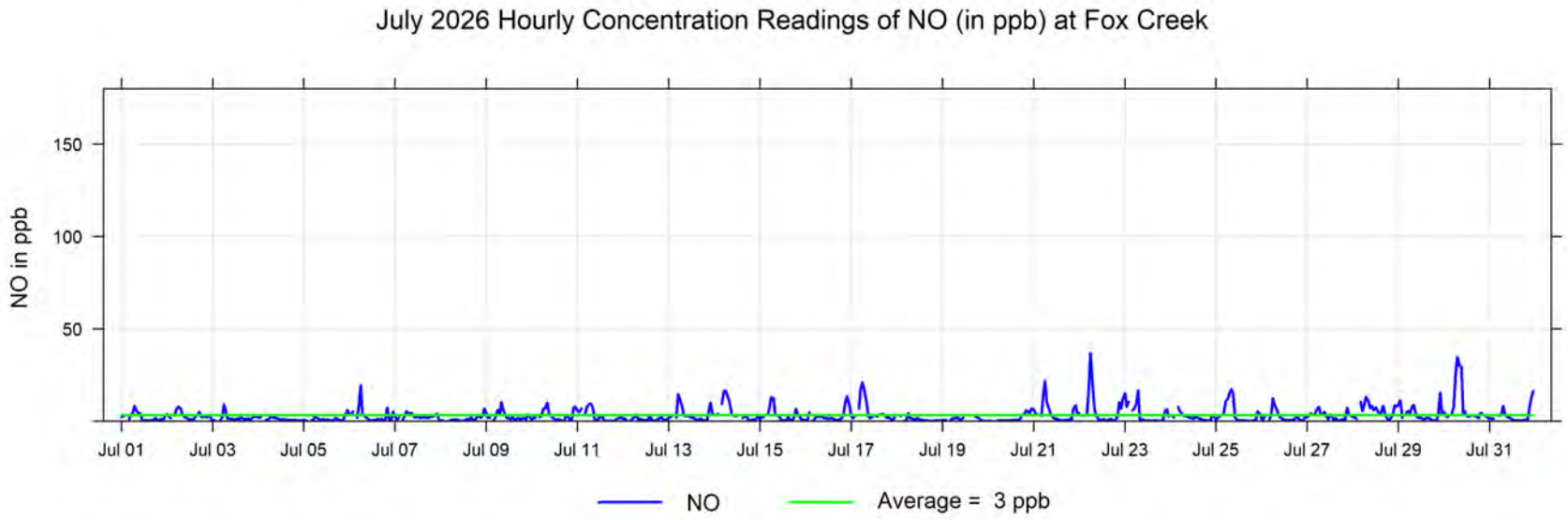


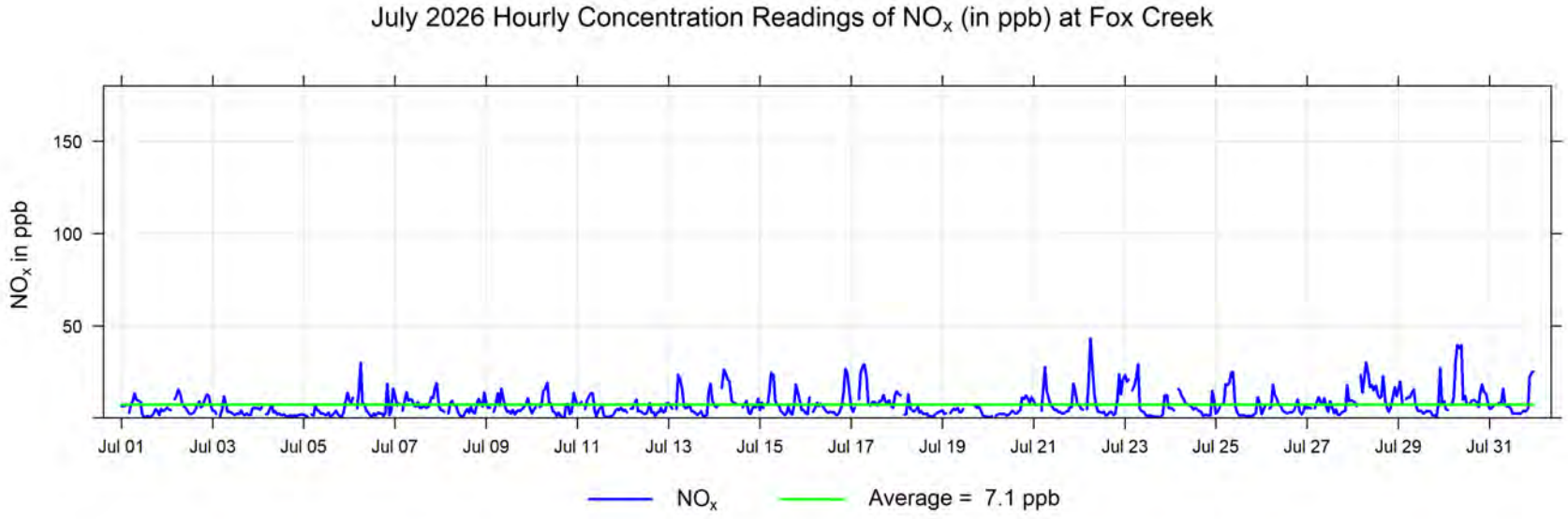

July 2026 Hourly Concentration Readings of SO2 (in ppb) at Fox Creek
SO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO2
AAAQO Limit = 172 ppb
Average = 0.4 ppb

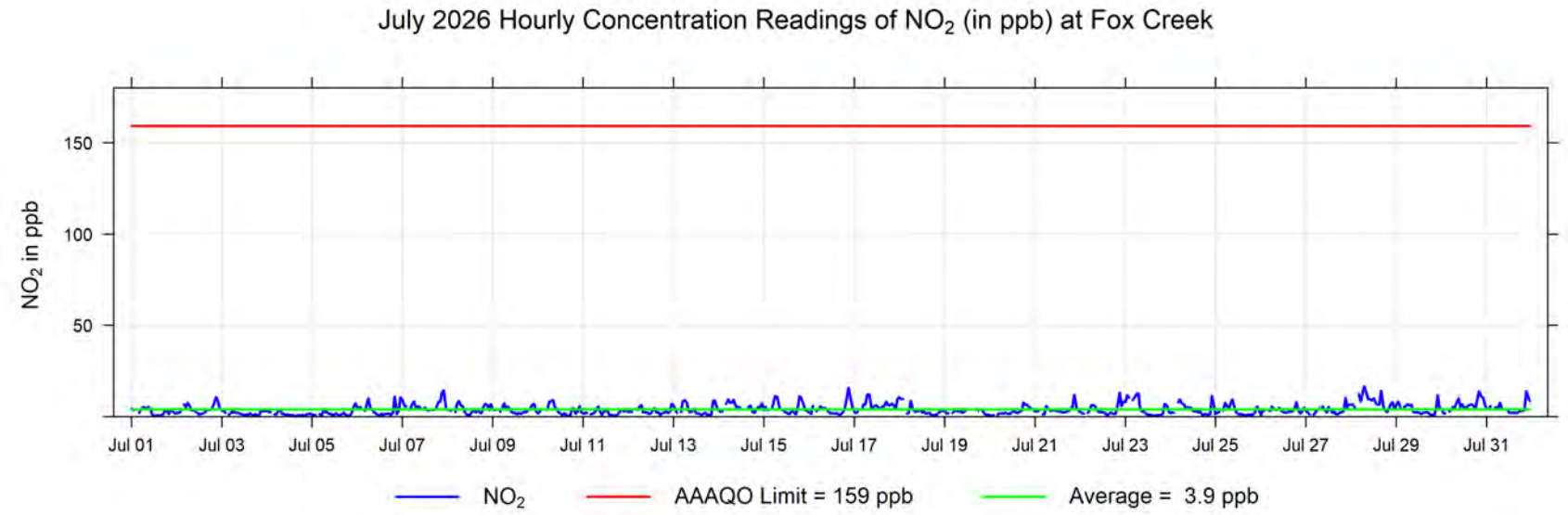

Number of Hours
0
200
400
600
702
5
1
1
0
1
0
10
20
30
40
50
60
SO2 in ppb

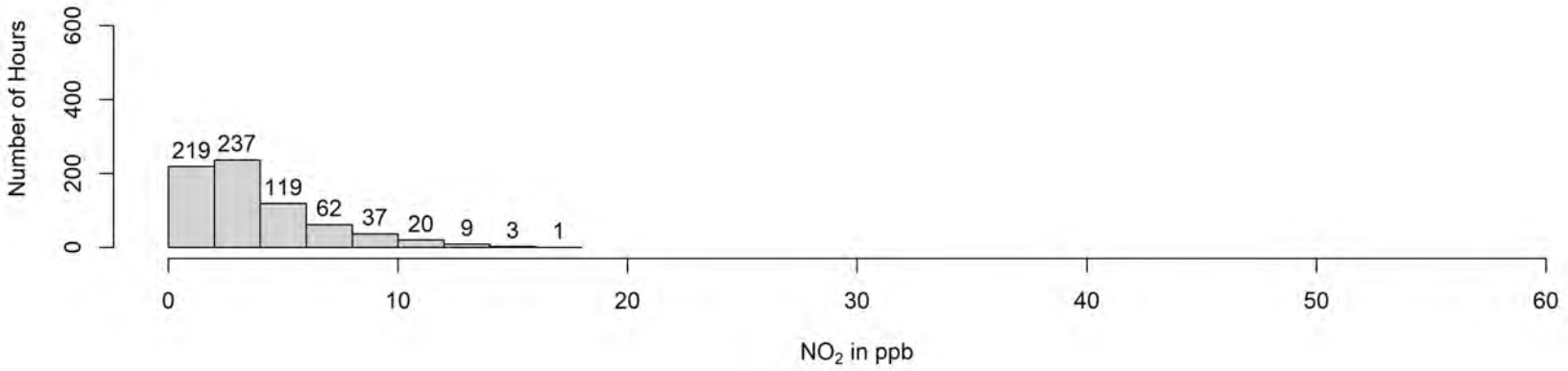

July 2026 Hourly Concentration Readings of H2S (in ppb) at Fox Creek
H2S in ppb
10
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
H2S
AAAQO Limit = 10 ppb
Average = 0.1 ppb

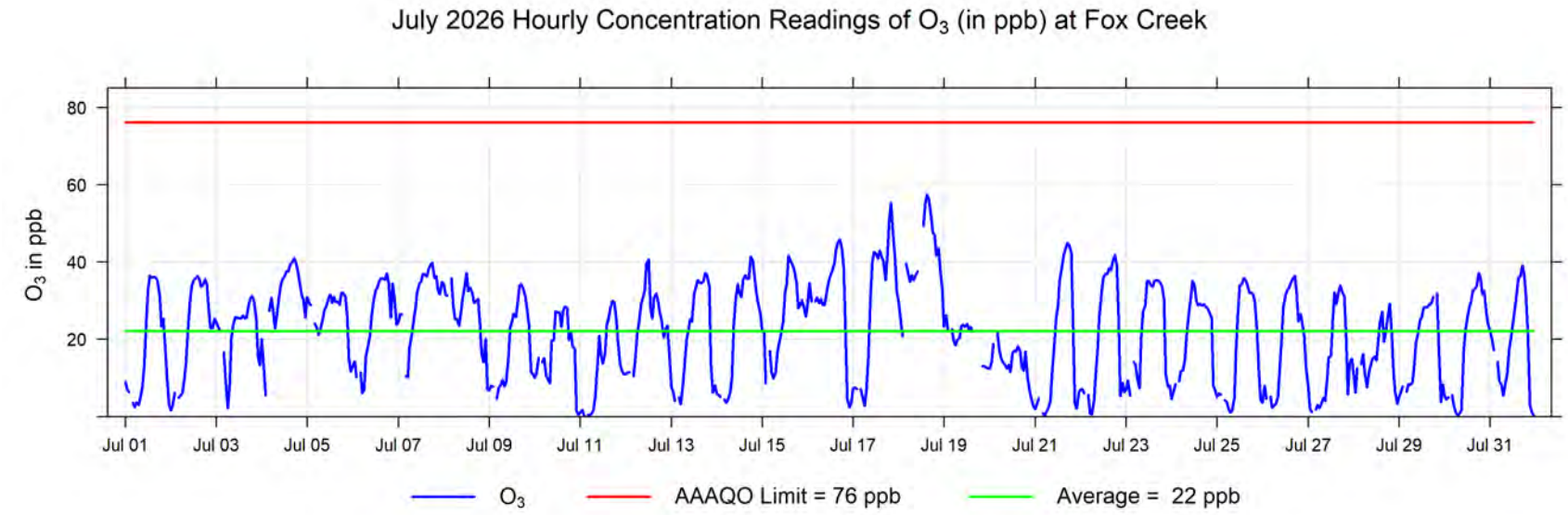

Number of Hours
0
200
400
600
586
87
13
9
1
1
0.0
0.5
1.0
1.5
2.0
2.5
3.0
H2S in ppb

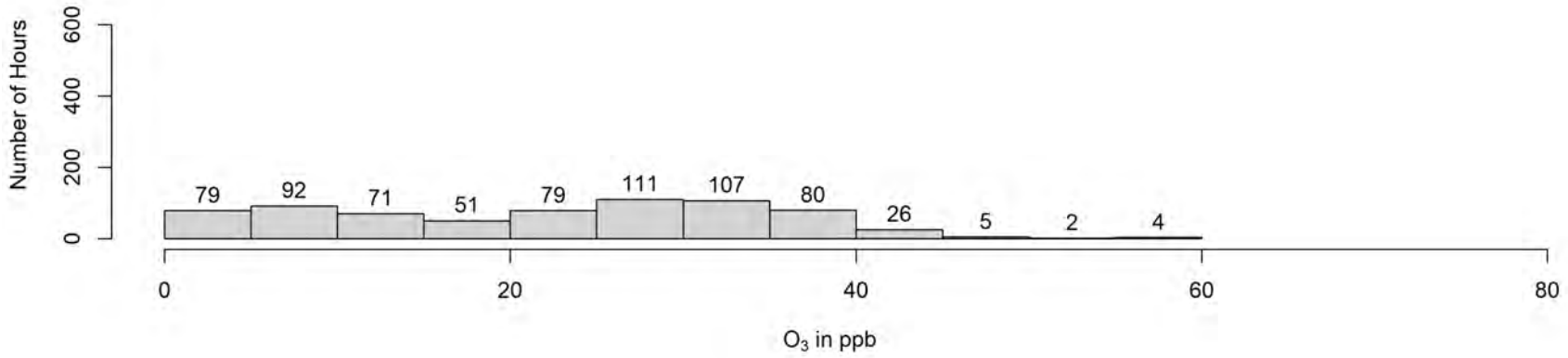

July 2026 Hourly Concentration Readings of NO (in ppb) at Fox Creek
NO in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO
Average = 3 ppb

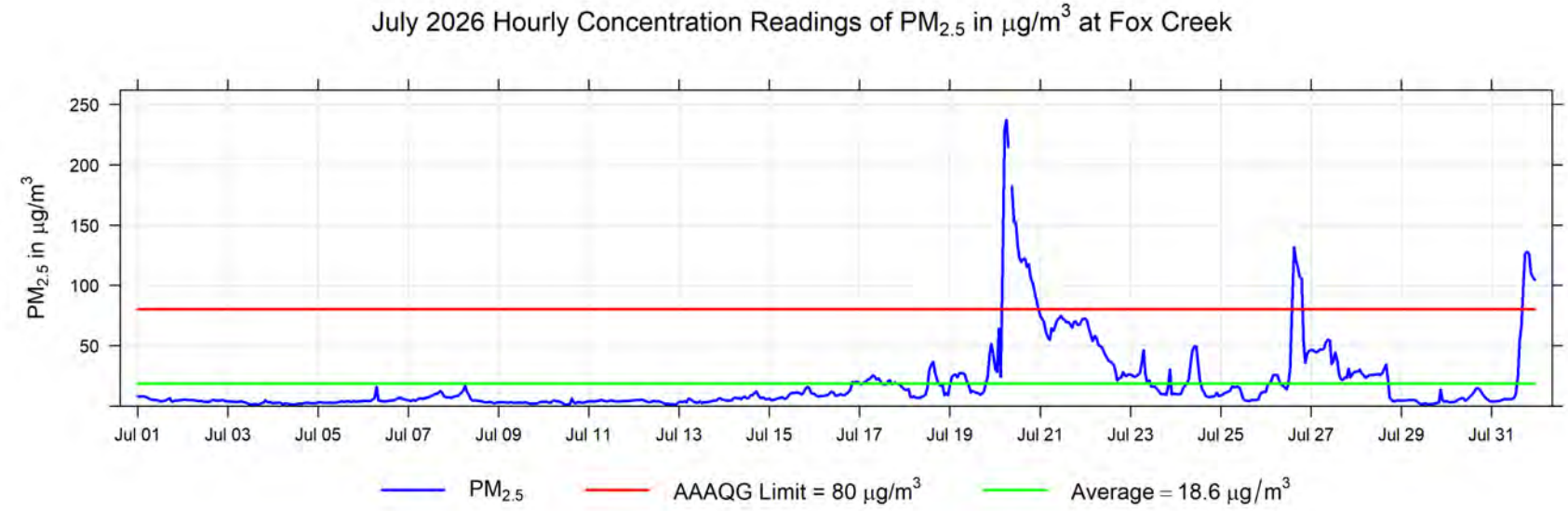

July 2026 Hourly Concentration Readings of NOx (in ppb) at Fox Creek
NOx in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NOx
Average = 7.1 ppb

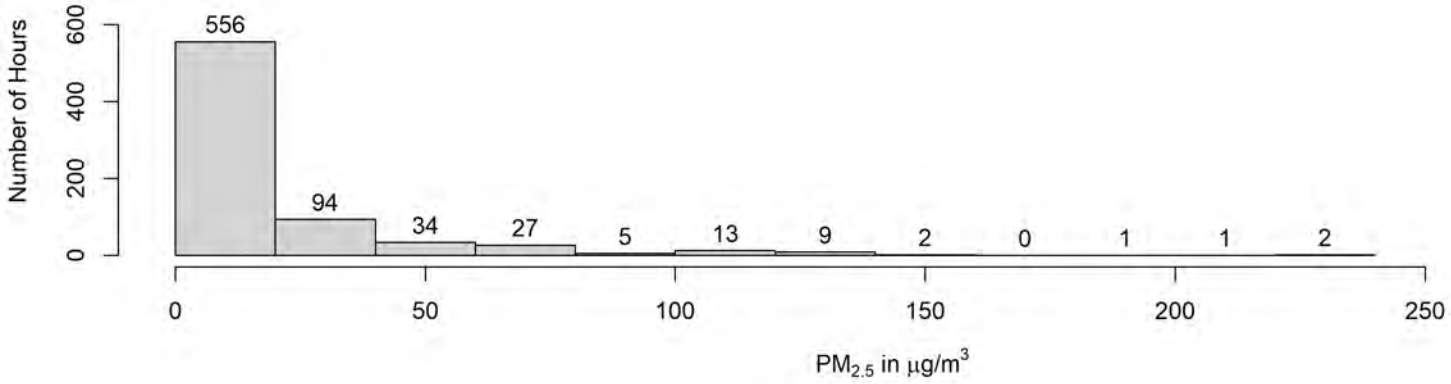

July 2026 Hourly Concentration Readings of NO2 (in ppb) at Fox Creek
NO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO2
AAAQO Limit = 159 ppb
Average = 3.9 ppb

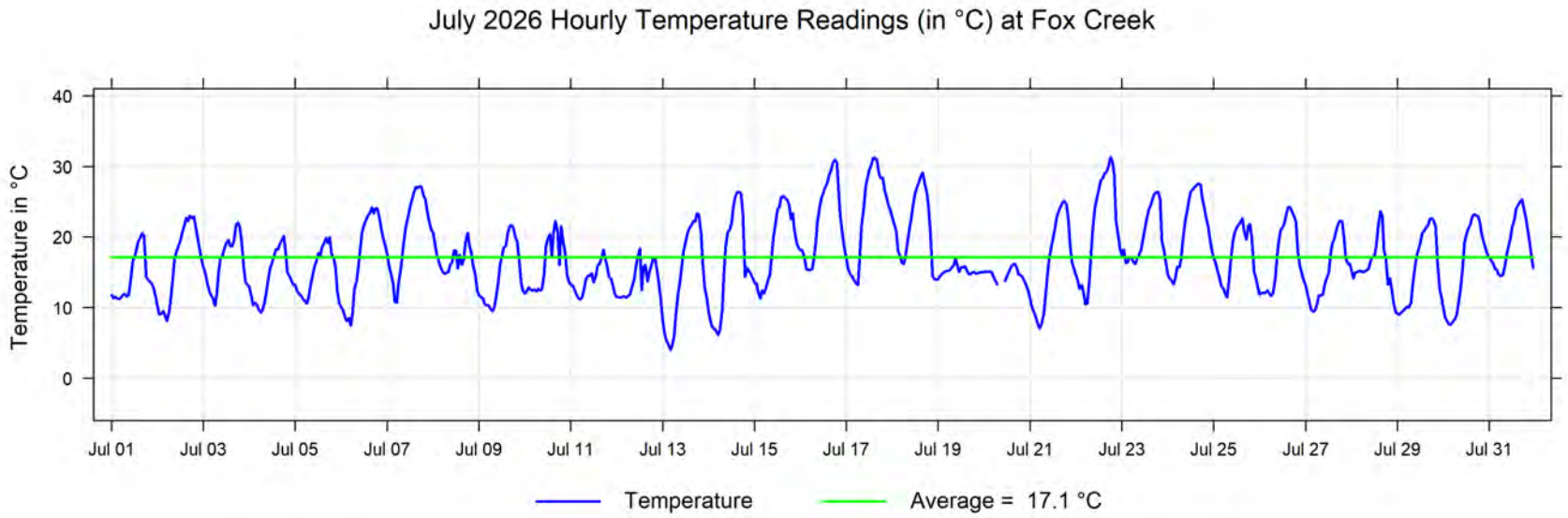

Number of Hours
0
200
400
600
219
237
119
62
37
20
9
3
1
0
10
20
30
40
50
60
NO2 in ppb

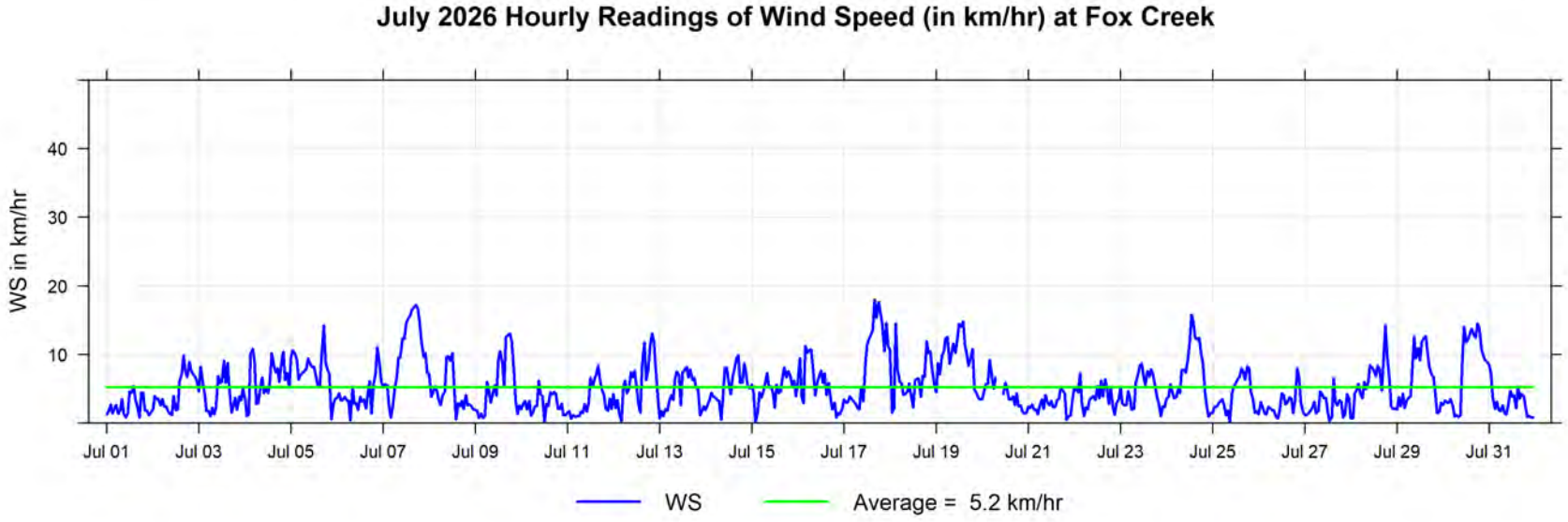

July 2026 Hourly Concentration Readings of O_3 (in ppb) at Fox Creek
O_3 in ppb
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
O_3
AAAQO Limit = 76 ppb
Average = 22 ppb

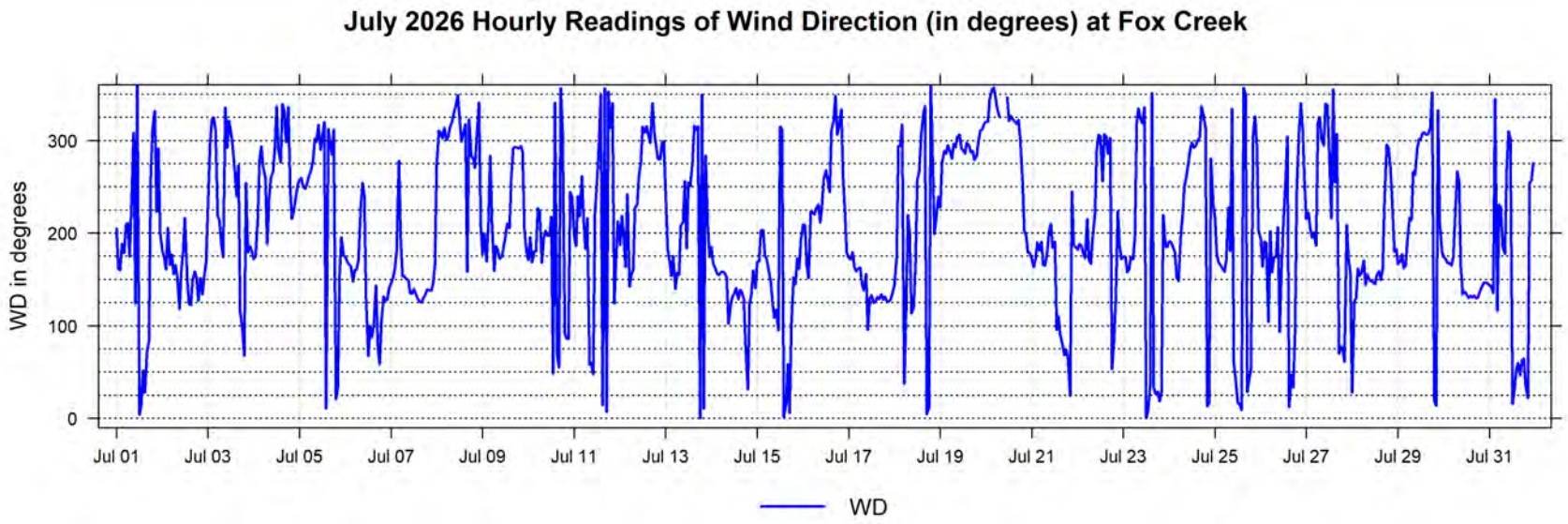

Number of Hours
0
200
400
600
79
92
71
51
79
111
107
80
26
5
2
4
0
20
40
60
80
O_3 in ppb

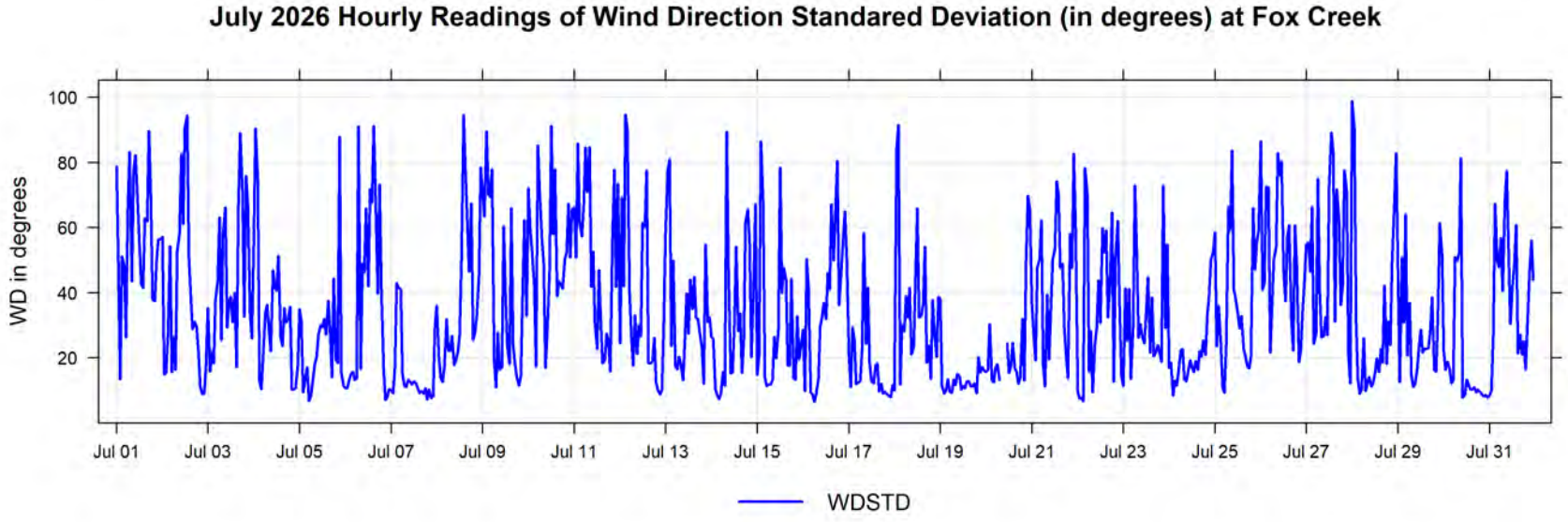

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Fox Creek
PM2.5 in µg/m3
250
200
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 18.6 µg/m3

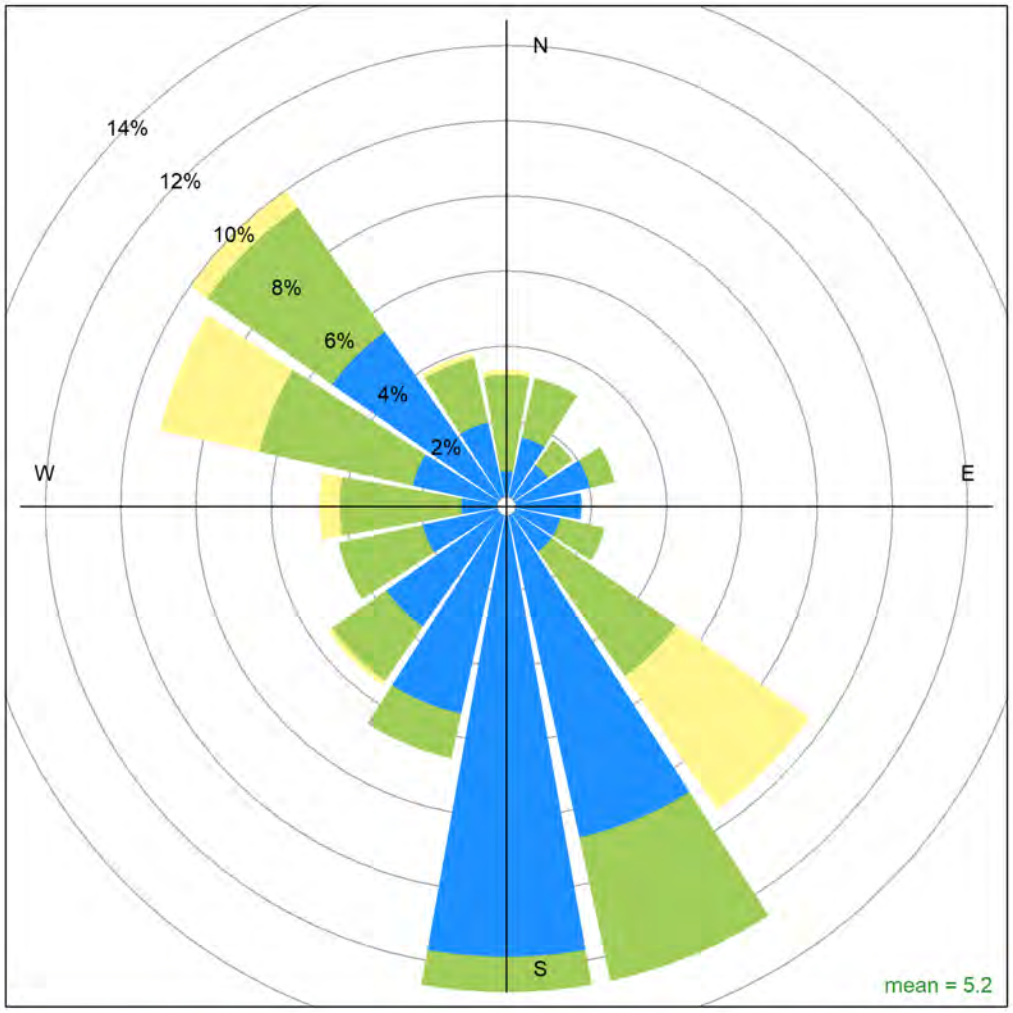

Number of Hours
0
200
400
600
556
94
34
27
5
13
9
2
0
1
1
2
0
50
100
150
200
250
PM2.5 in µg/m3


July 2026 Hourly Temperature Readings (in °C) at Fox Creek
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 17.1 °C


July 2026 Hourly Readings of Wind Speed (in km/hr) at Fox Creek
WS in km/hr
40
30
20
10
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 5.2 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Fox Creek
WD in degrees
0
100
200
300
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Fox Creek
WD in degrees
20
40
60
80
100
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

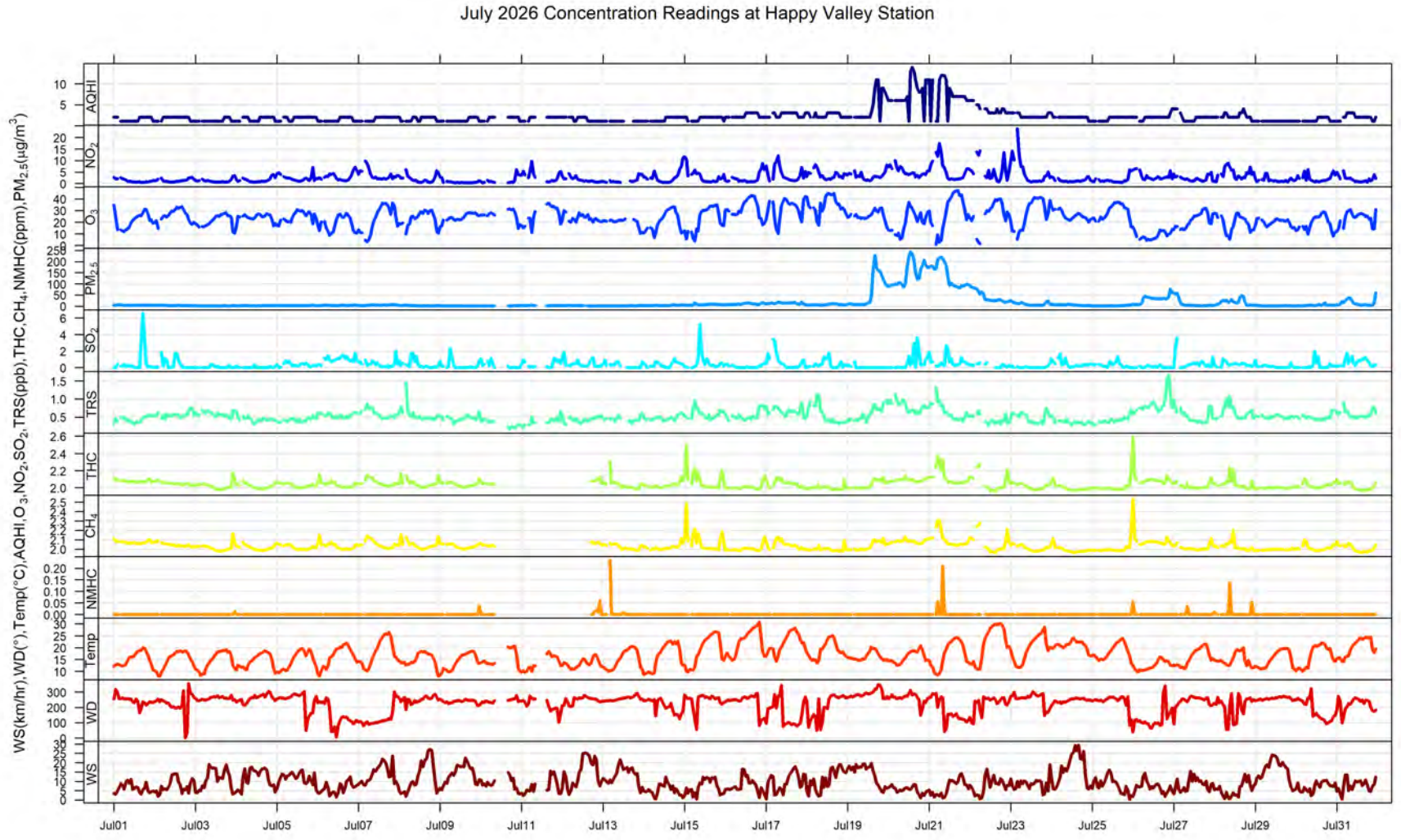


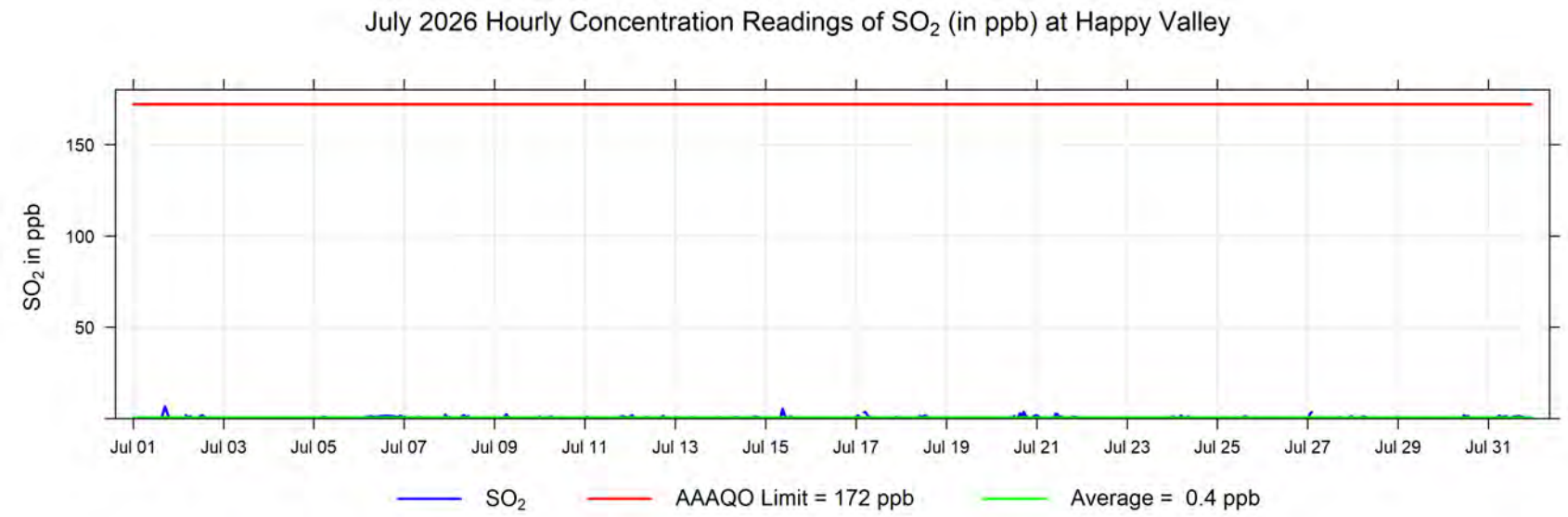
Fox Creek July 2026 Wind Rose, wind speed in km/hr

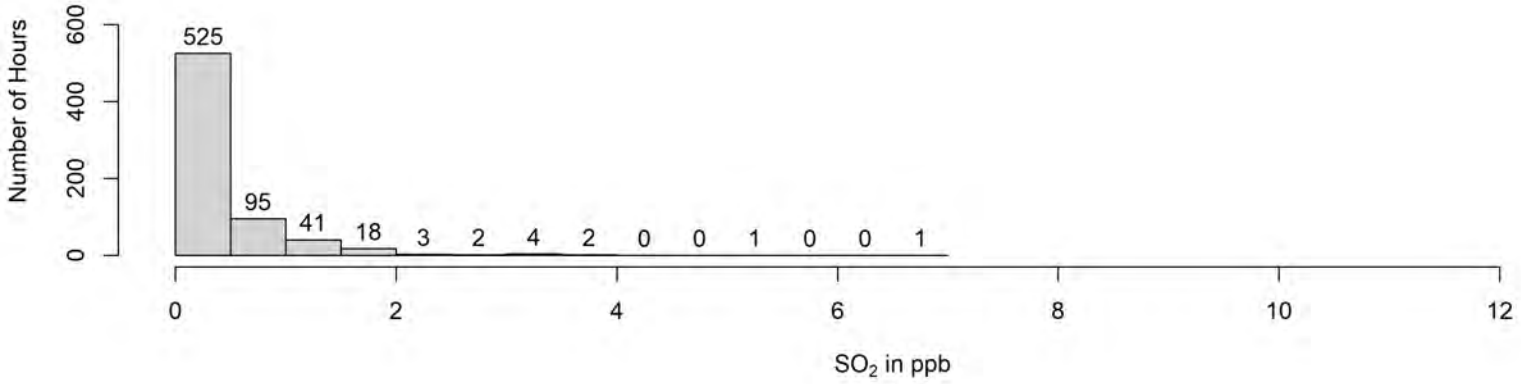
Calms (<1km/hr) = 5.5 %

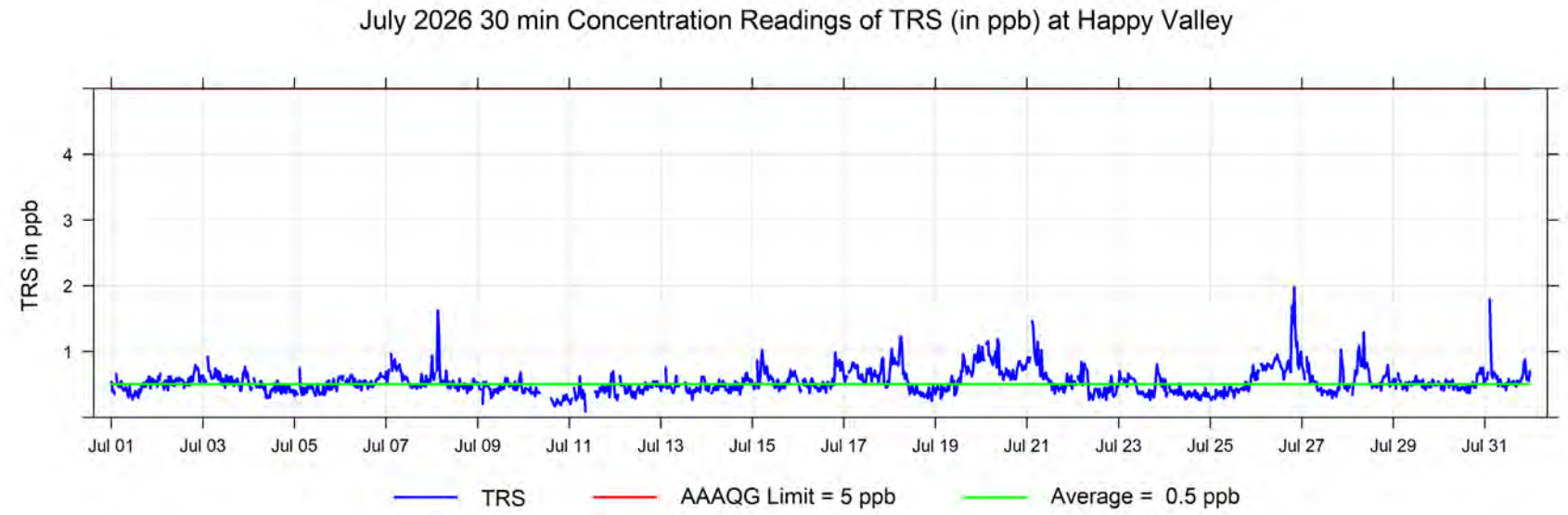
8 Happy Valley (Portable) Charts

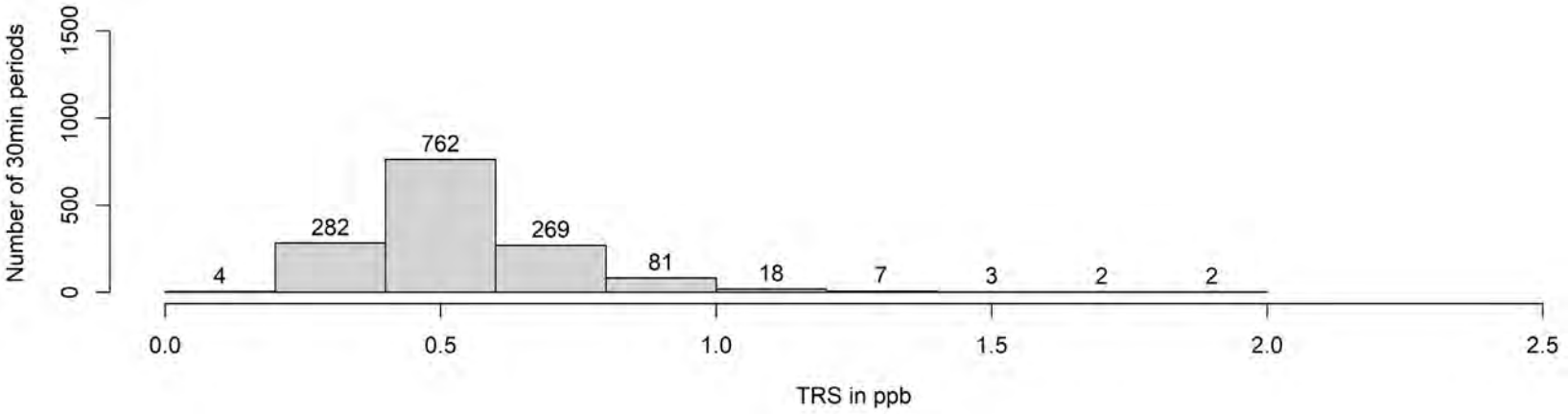
The following pages include the charts and histograms for Happy Valley Portable Station

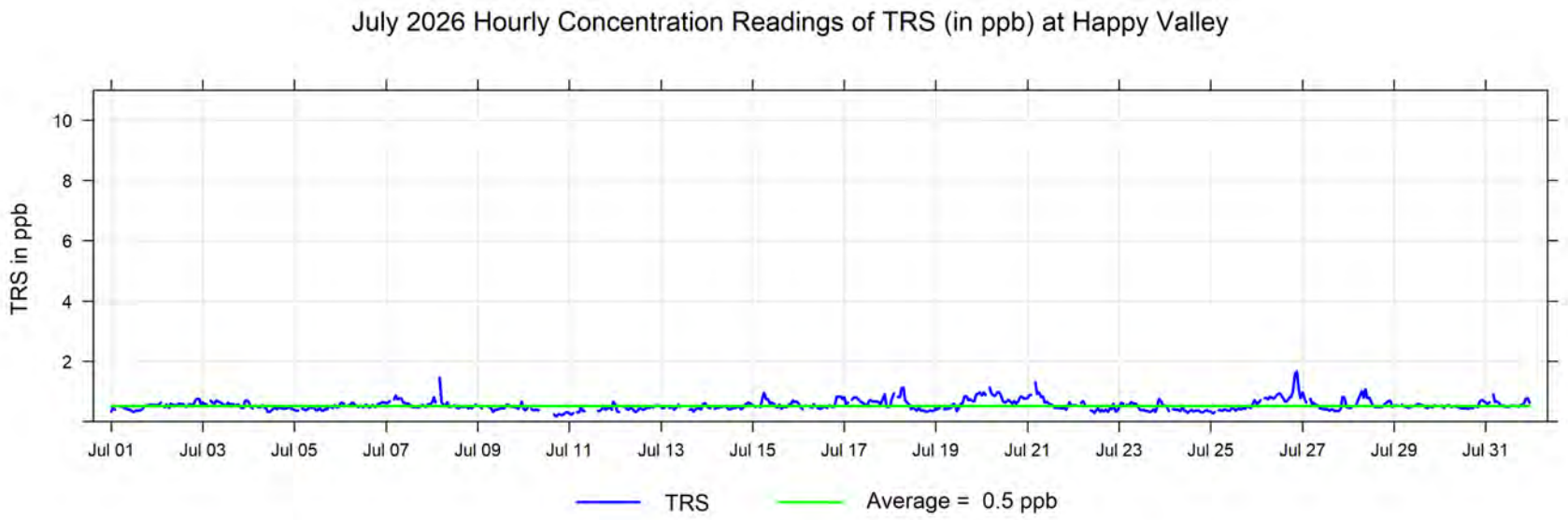


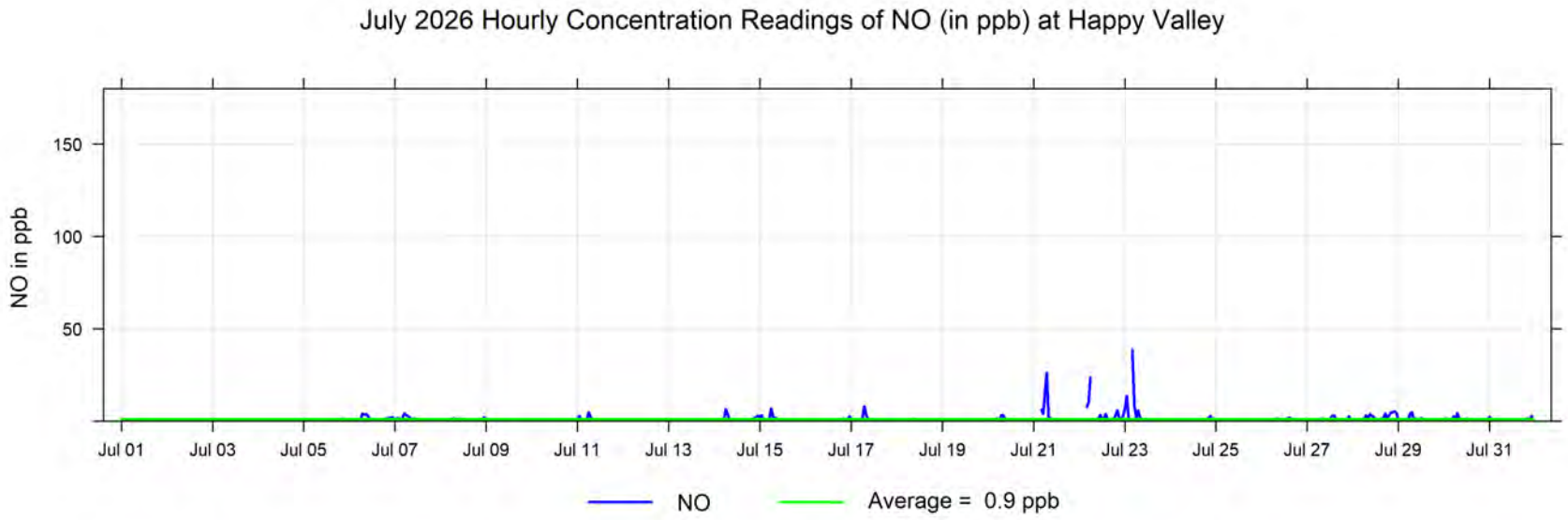

July 2026 Hourly Concentration Readings of SO2 (in ppb) at Happy Valley
SO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
SO2
AAAQO Limit = 172 ppb
Average = 0.4 ppb

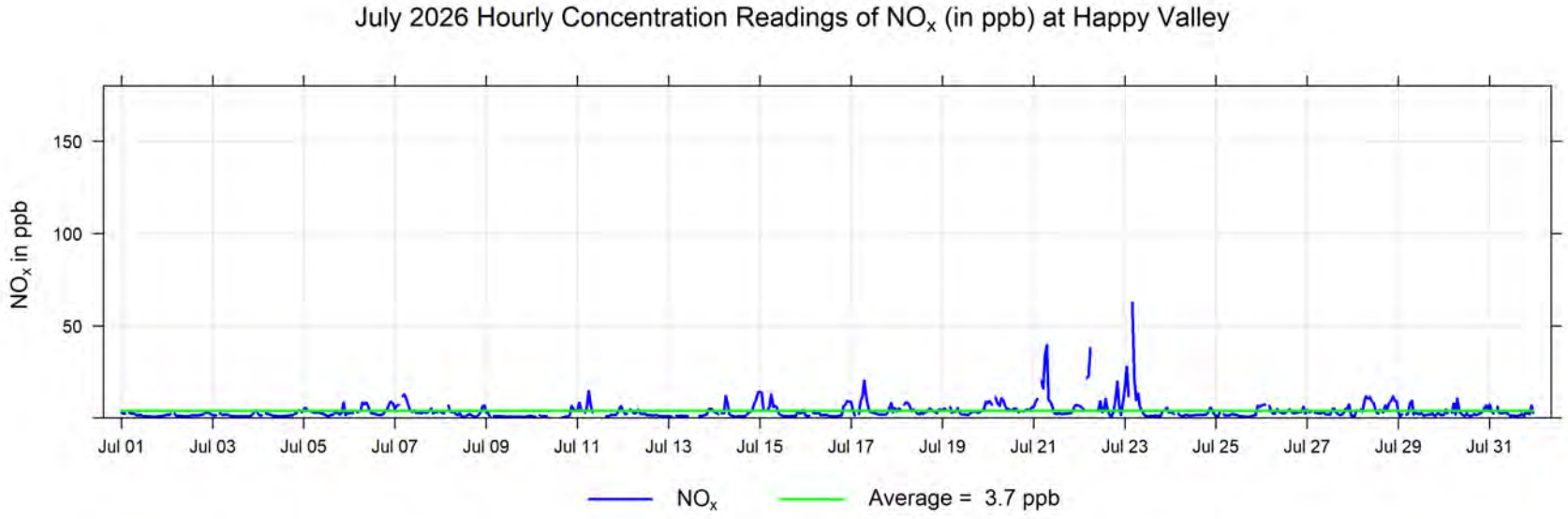

Number of Hours
0
200
400
600
525
95
41
18
3
2
4
2
0
0
1
0
0
1
0
2
4
6
8
10
12
SO2 in ppb

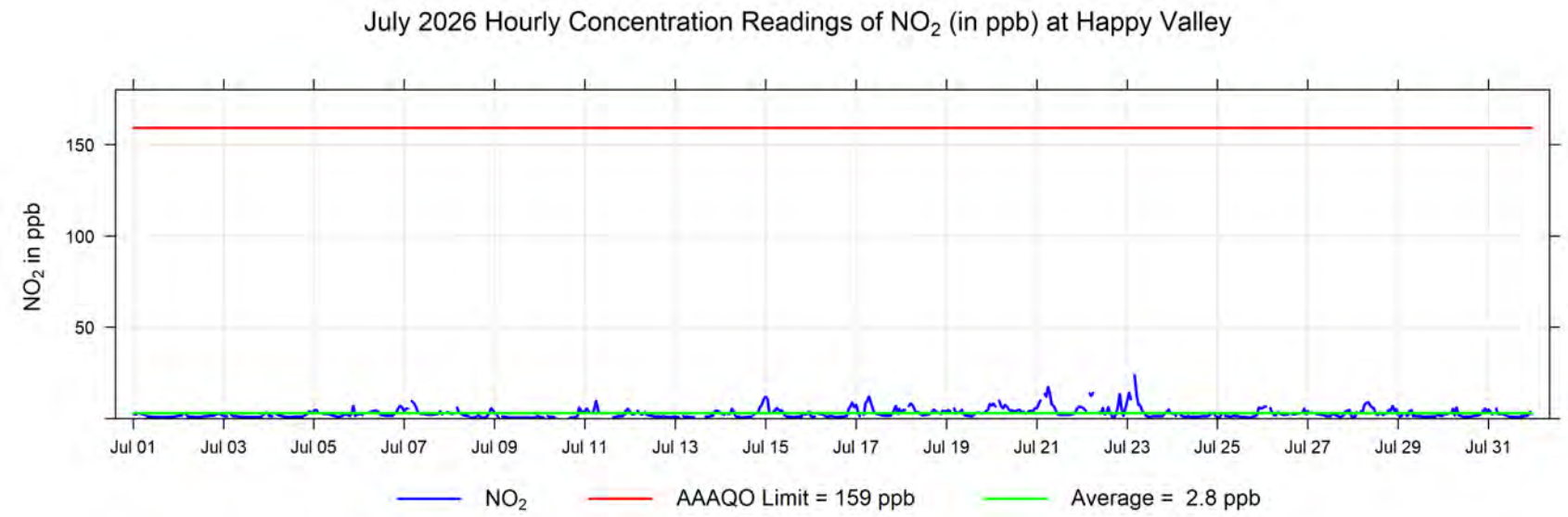

July 2026 30 min Concentration Readings of TRS (in ppb) at Happy Valley
TRS in ppb
1
2
3
4
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
TRS
AAAQG Limit = 5 ppb
Average = 0.5 ppb

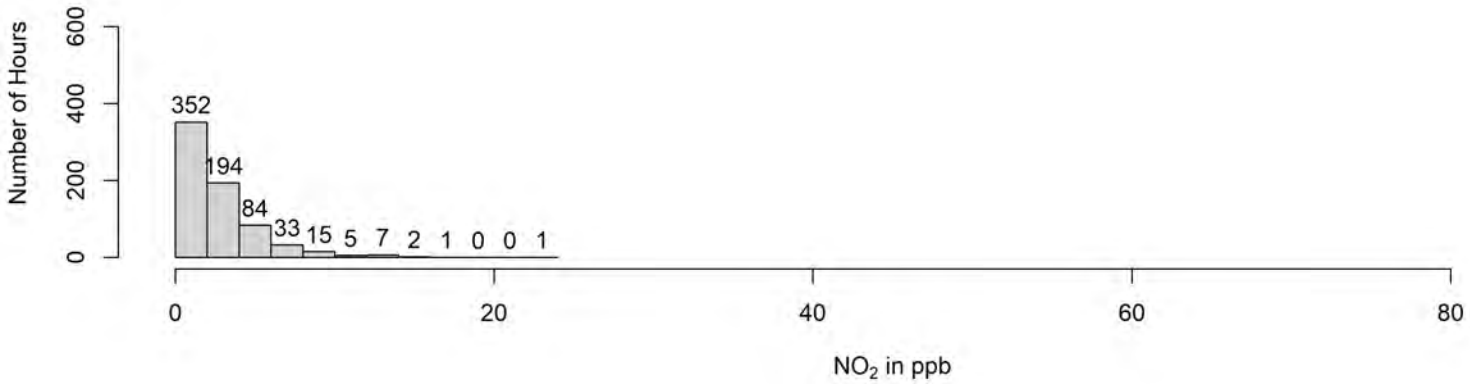

Number of 30min periods
0
500
1000
1500
4
282
762
269
81
18
7
3
2
2
0.0
0.5
1.0
1.5
2.0
2.5
TRS in ppb

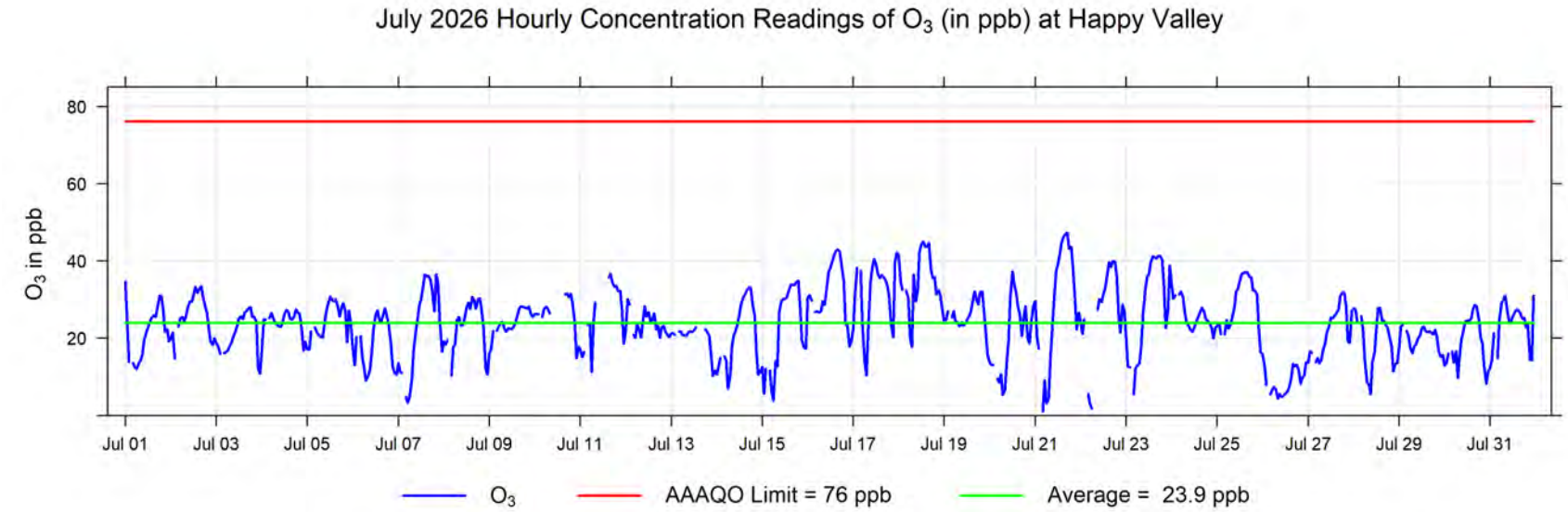

July 2026 Hourly Concentration Readings of TRS (in ppb) at Happy Valley
TRS in ppb
10
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
TRS
Average = 0.5 ppb

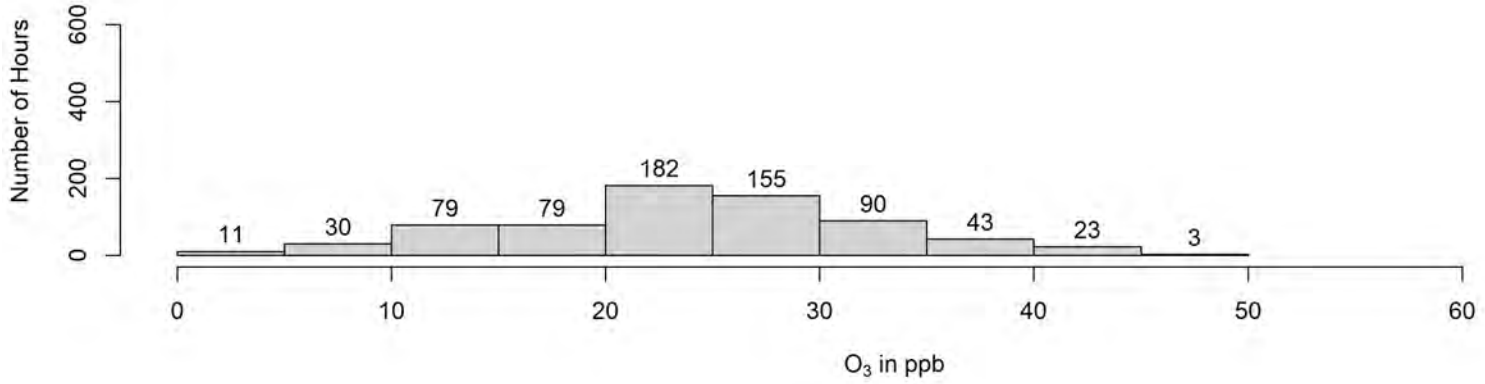

July 2026 Hourly Concentration Readings of NO (in ppb) at Happy Valley
NO in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO
Average = 0.9 ppb

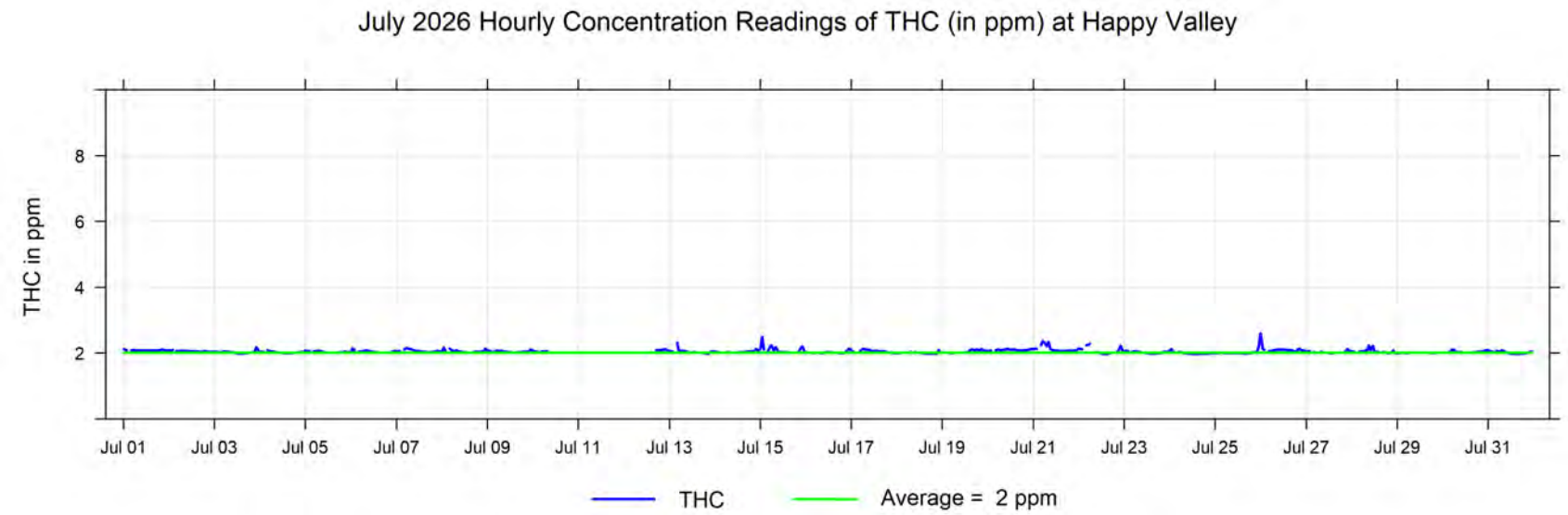

July 2026 Hourly Concentration Readings of NOx (in ppb) at Happy Valley
NOx in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NOx
Average = 3.7 ppb

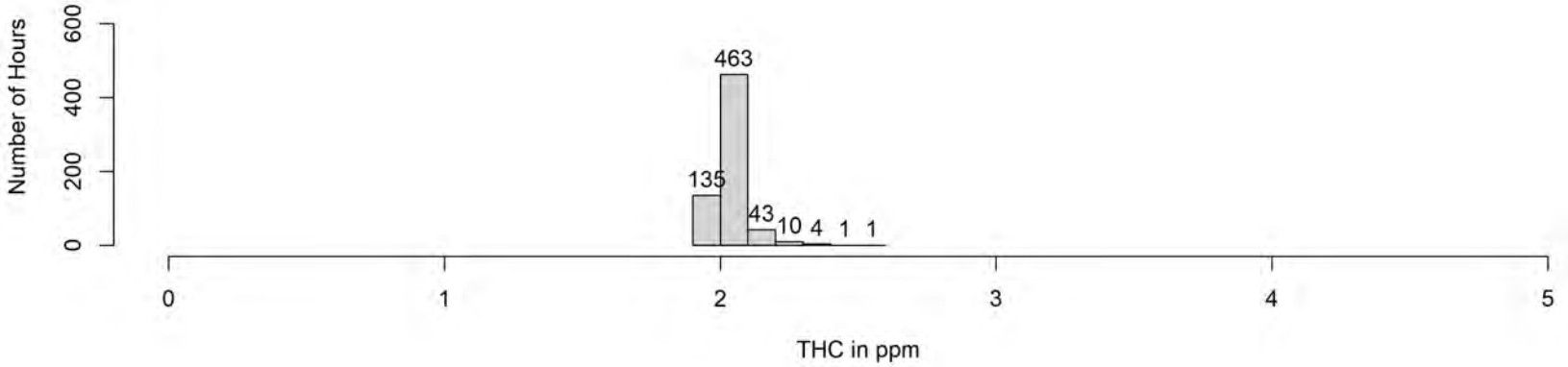

July 2026 Hourly Concentration Readings of NO2 (in ppb) at Happy Valley
NO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO2
AAAQO Limit = 159 ppb
Average = 2.8 ppb

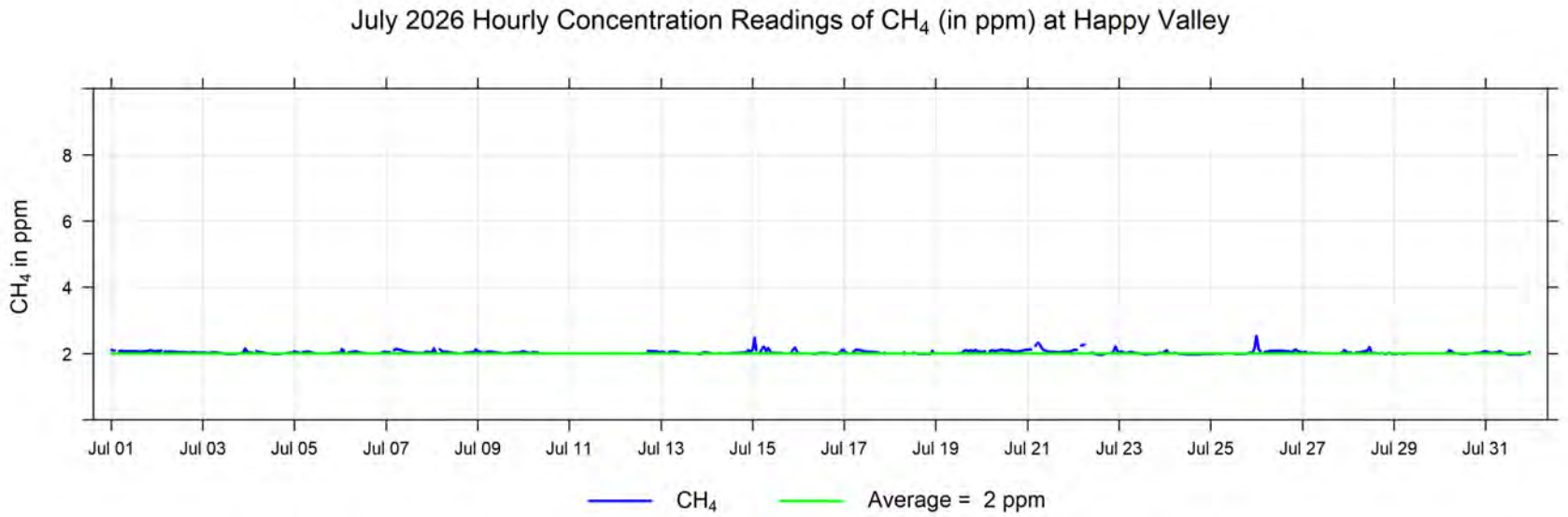

Number of Hours
0
200
400
600
352
194
84
33
15
5
7
2
1
0
0
1
0
20
40
60
80
NO2 in ppb

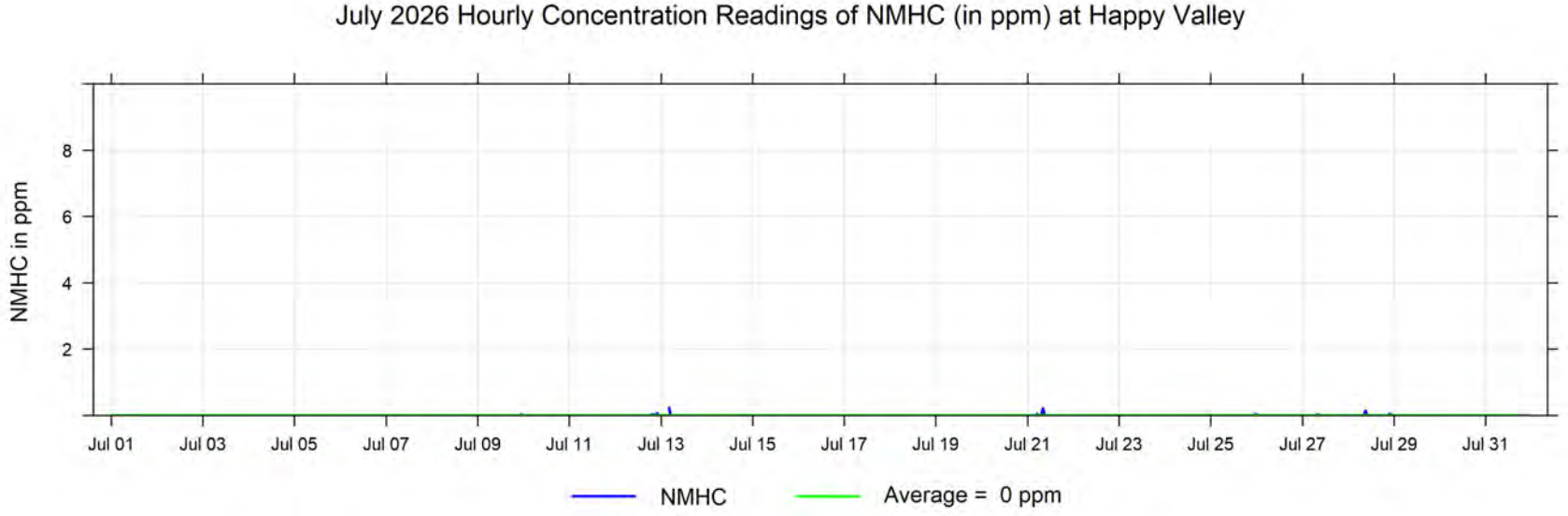

July 2026 Hourly Concentration Readings of O_3 (in ppb) at Happy Valley
O_3 in ppb
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
O_3
AAAQO Limit = 76 ppb
Average = 23.9 ppb

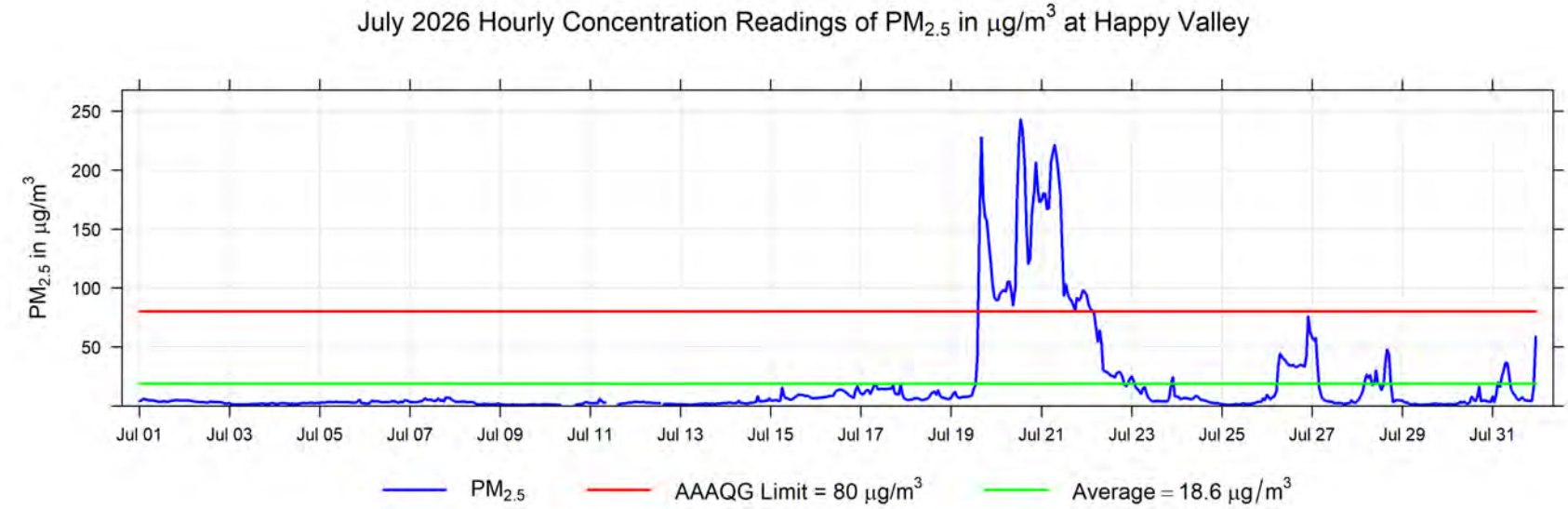

Number of Hours
0
200
400
600
11
30
79
79
182
155
90
43
23
3
0
10
20
30
40
50
60
O_3 in ppb

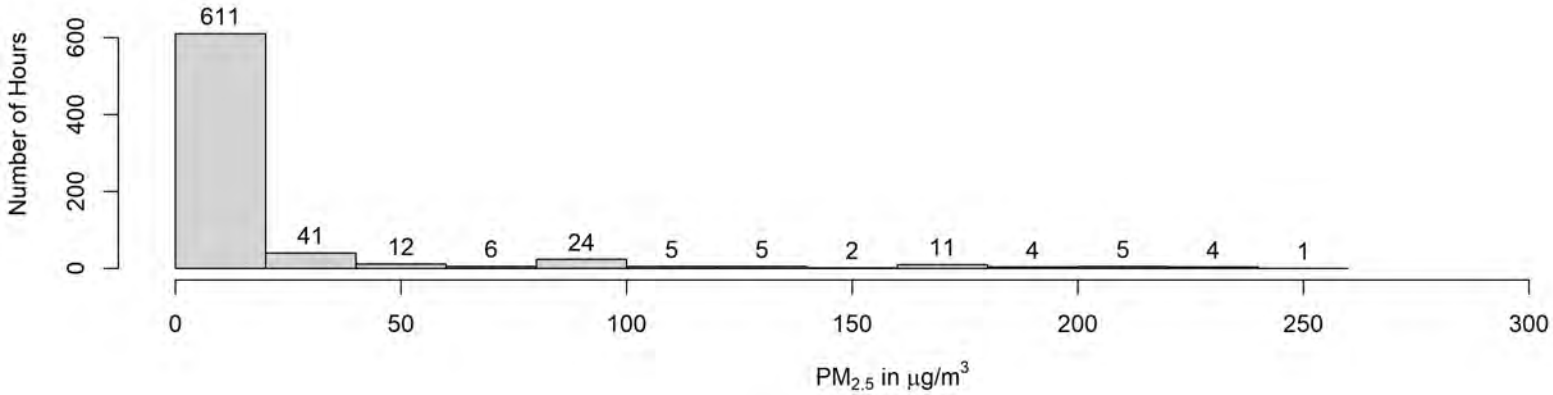

July 2026 Hourly Concentration Readings of THC (in ppm) at Happy Valley
THC in ppm
8
6
4
2
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
THC
Average = 2 ppm

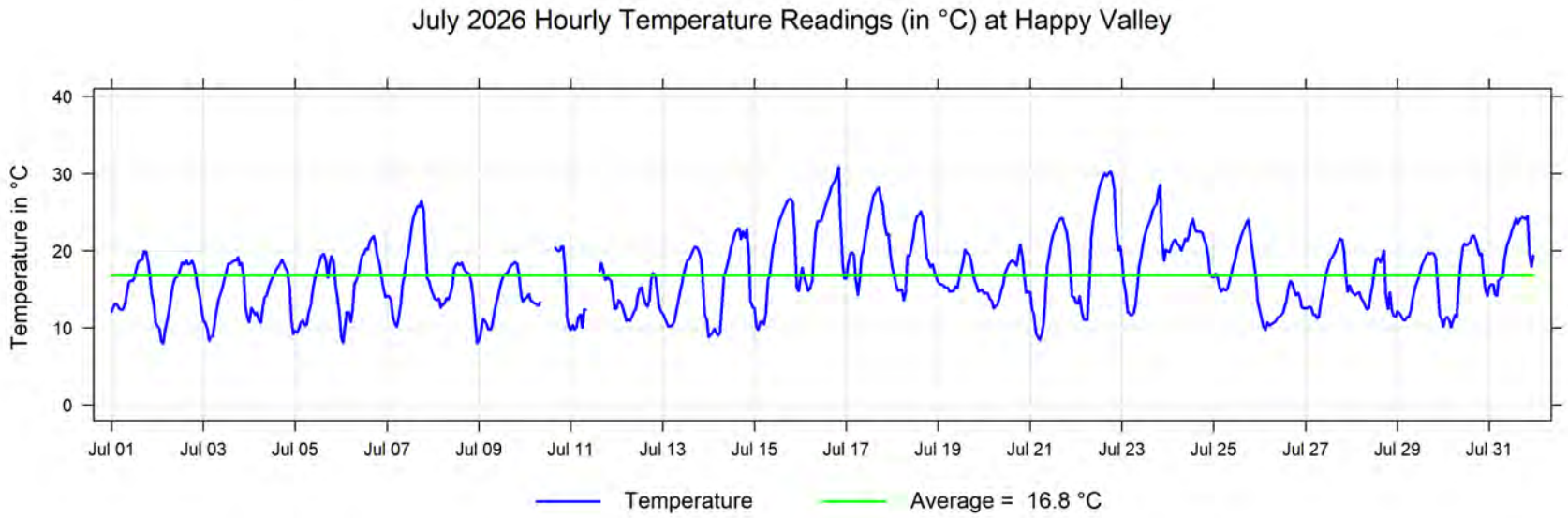

Number of Hours
0
200
400
600
463
135
43
10
4
1
1
0
1
2
3
4
5
THC in ppm

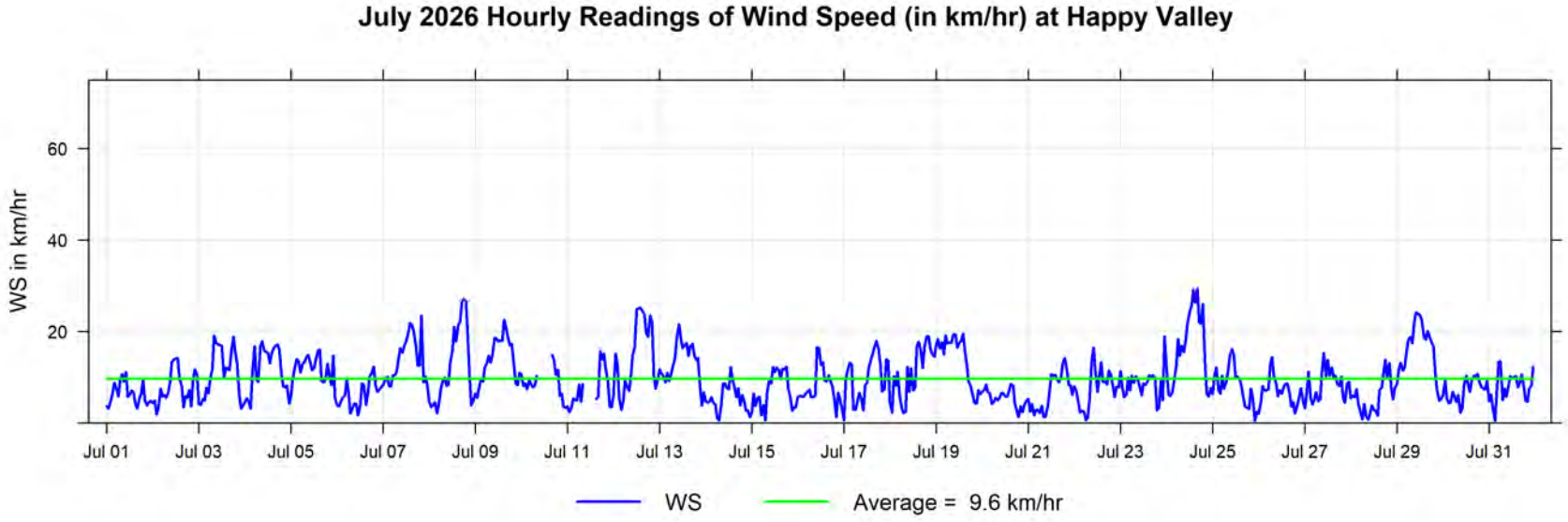

July 2026 Hourly Concentration Readings of CH_4 (in ppm) at Happy Valley
CH_4 in ppm
2
4
6
8
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
CH_4
Average = 2 ppm

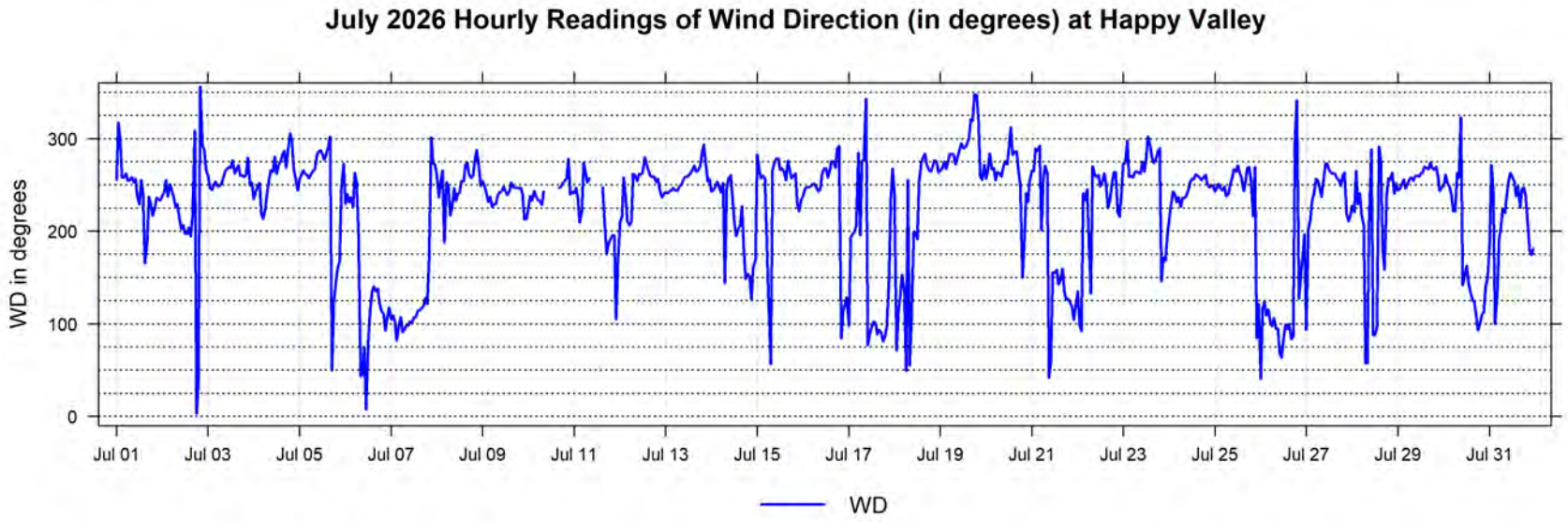

July 2026 Hourly Concentration Readings of NMHC (in ppm) at Happy Valley
NMHC in ppm
2
4
6
8
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NMHC
Average = 0 ppm

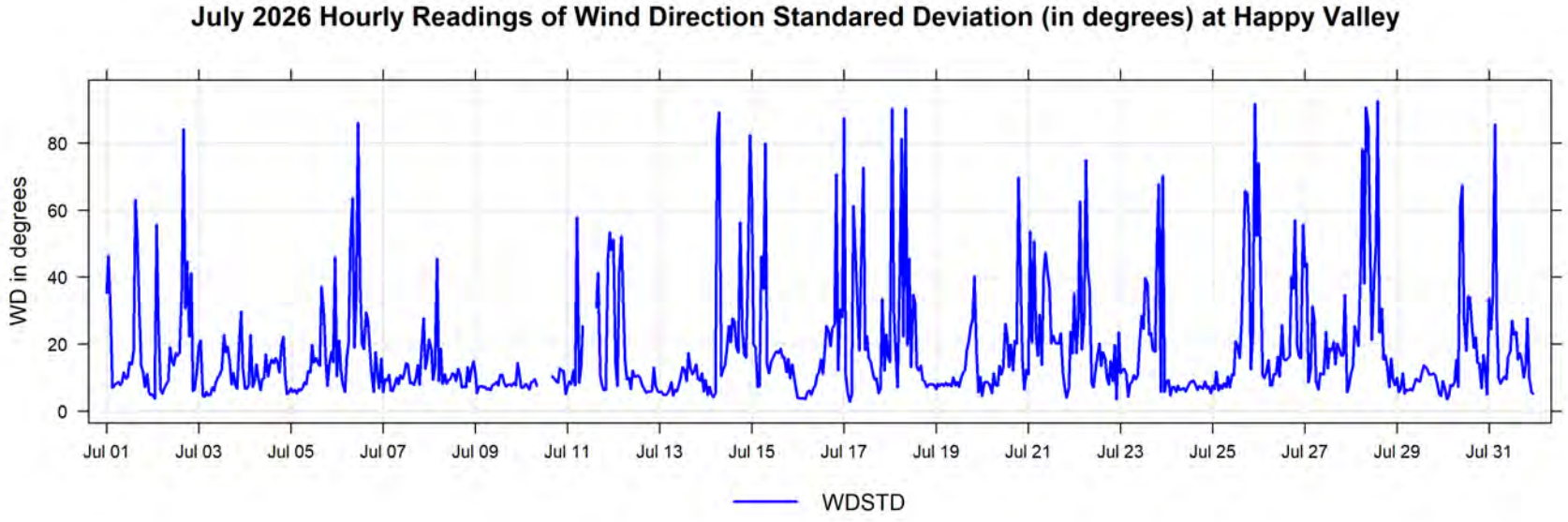

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Happy Valley
PM2.5 in µg/m3
250
200
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 18.6 µg/m3

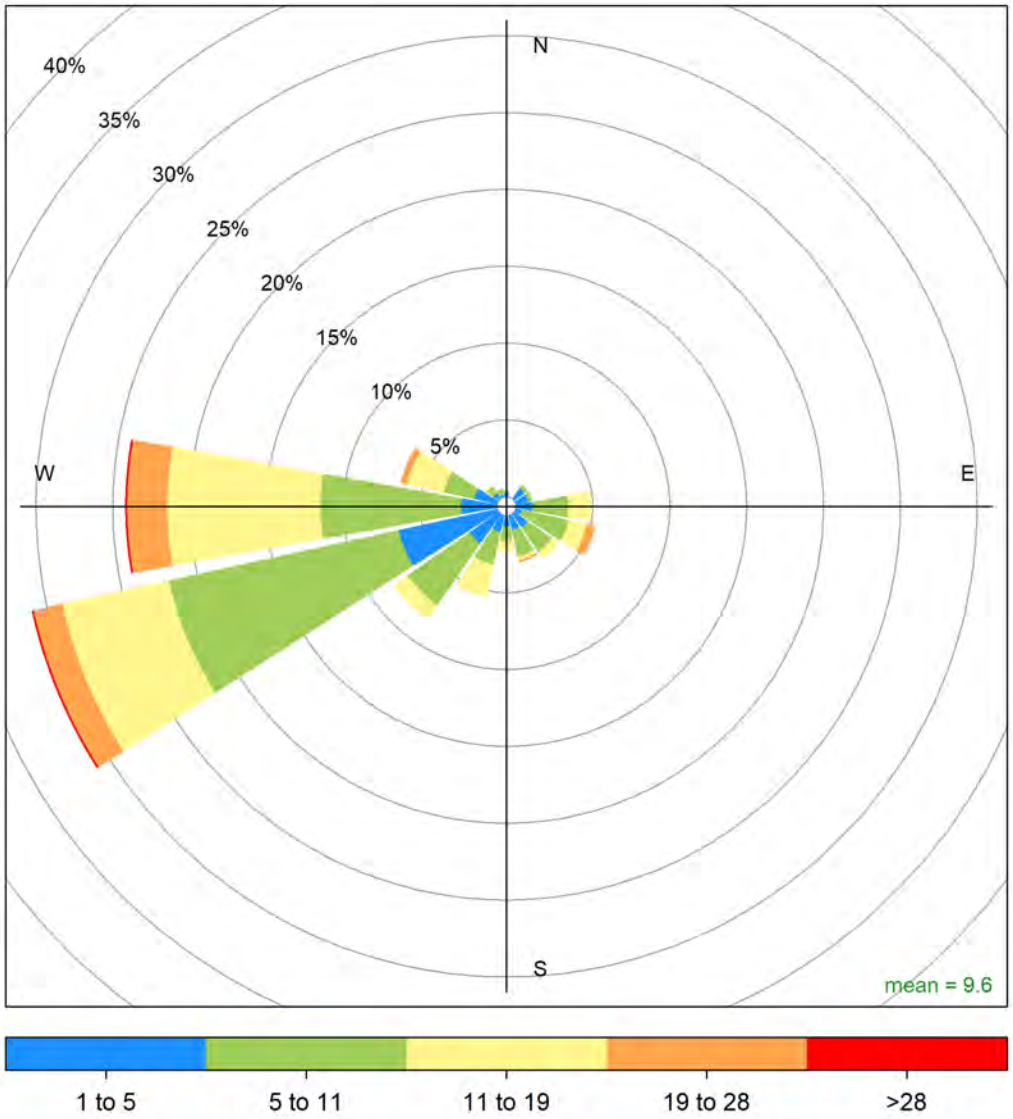

Number of Hours
0
200
400
600
611
41
12
6
24
5
5
2
11
4
5
4
1
0
50
100
150
200
250
300
PM2.5 in µg/m3


July 2026 Hourly Temperature Readings (in °C) at Happy Valley
Temperature in °C
40
30
20
10
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
Temperature
Average = 16.8 °C


July 2026 Hourly Readings of Wind Speed (in km/hr) at Happy Valley
WS in km/hr
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 9.6 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Happy Valley
WD in degrees
0
100
200
300
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Happy Valley
WD in degrees
0
20
40
60
80
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD

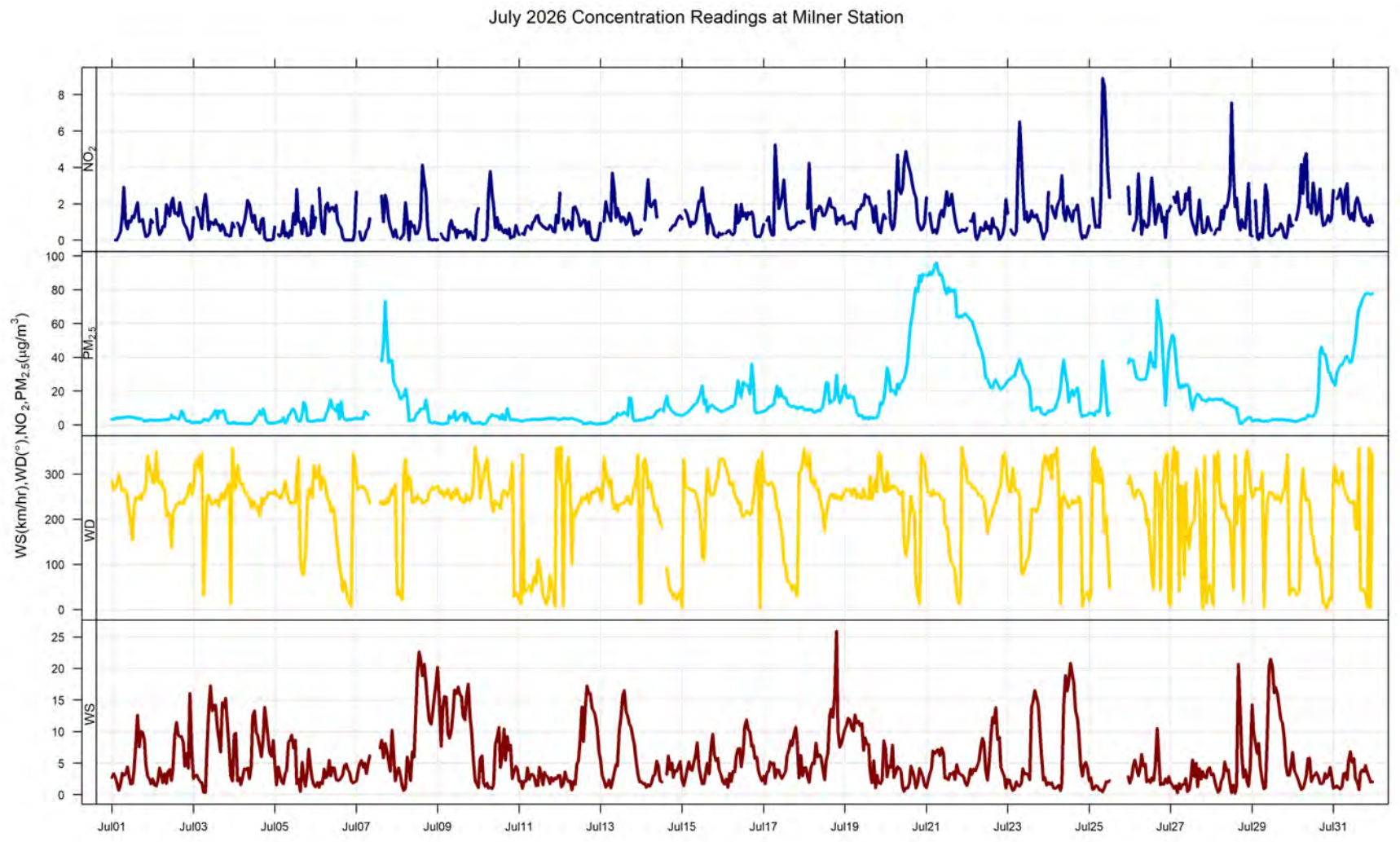


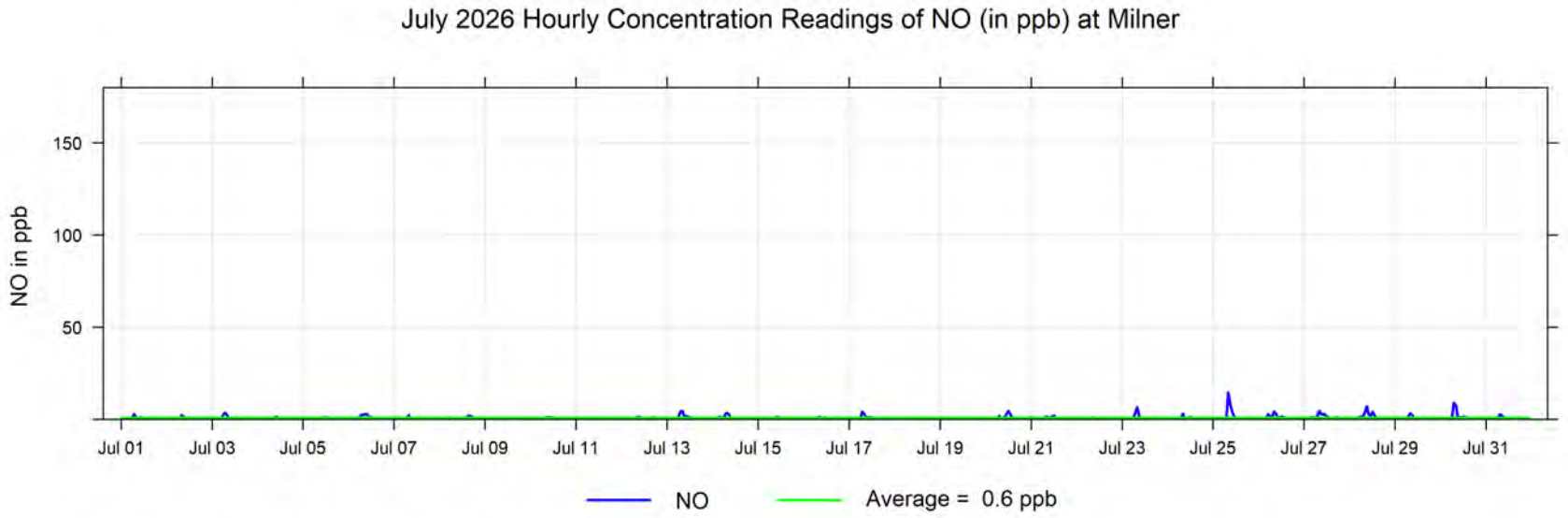
Happy Valley July 2026 Wind Rose, wind speed in km/hr

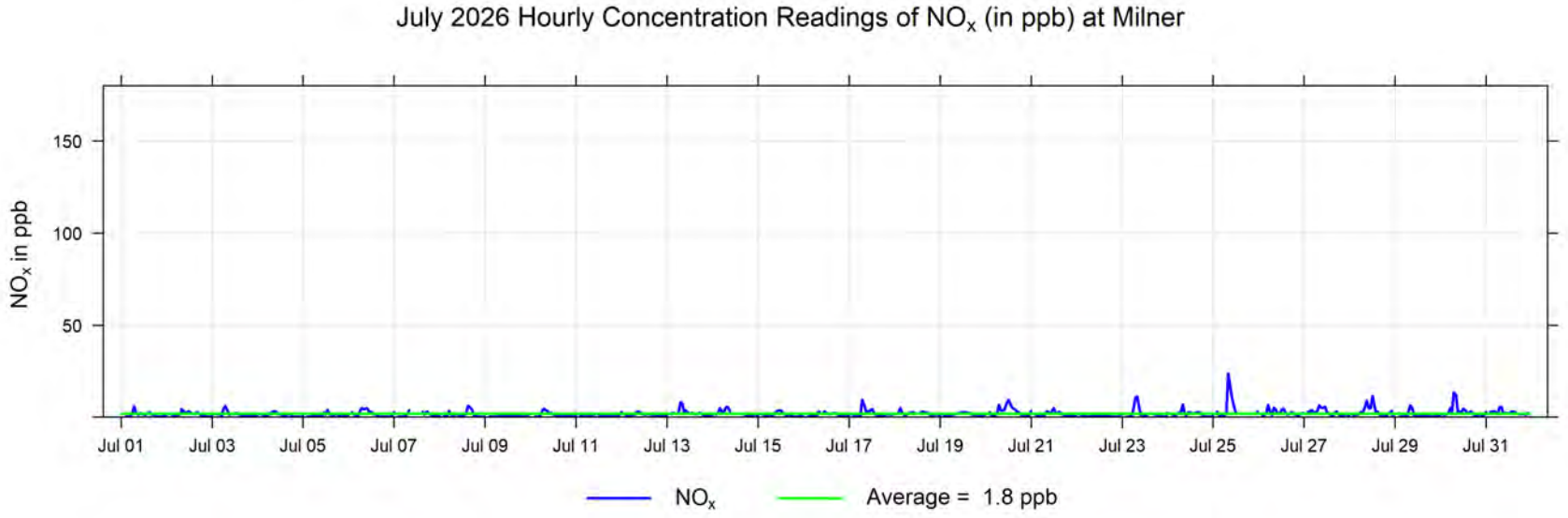
Calms (<1km/hr) = 1.1 %

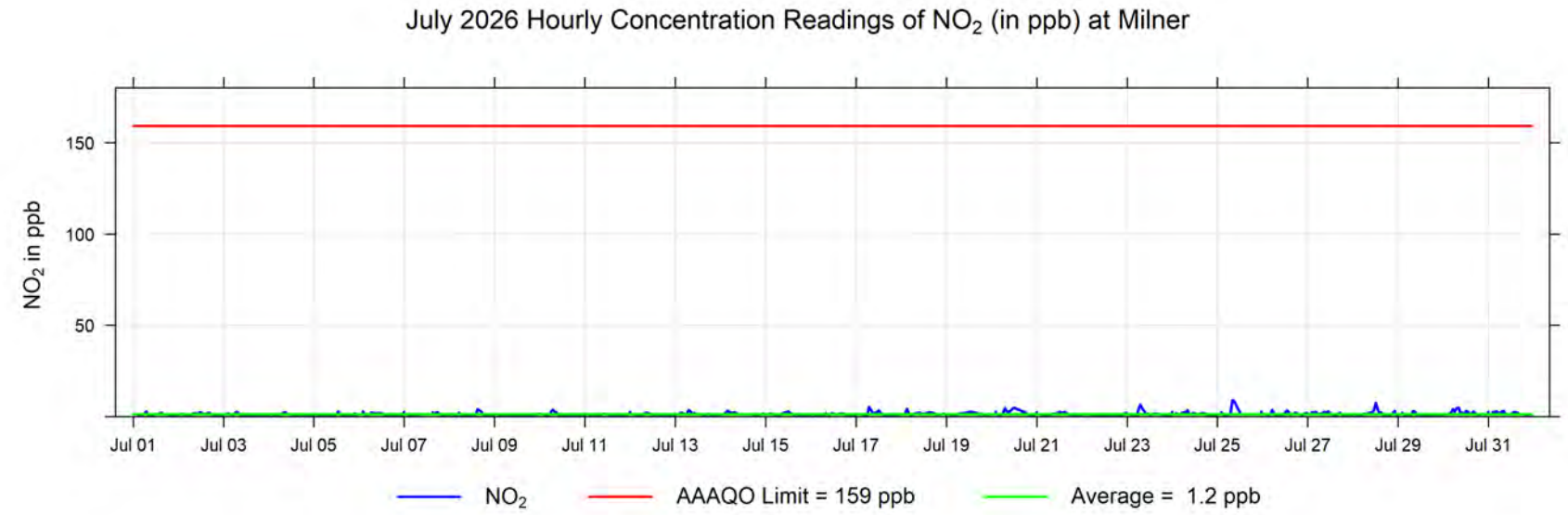
9 Milner Charts

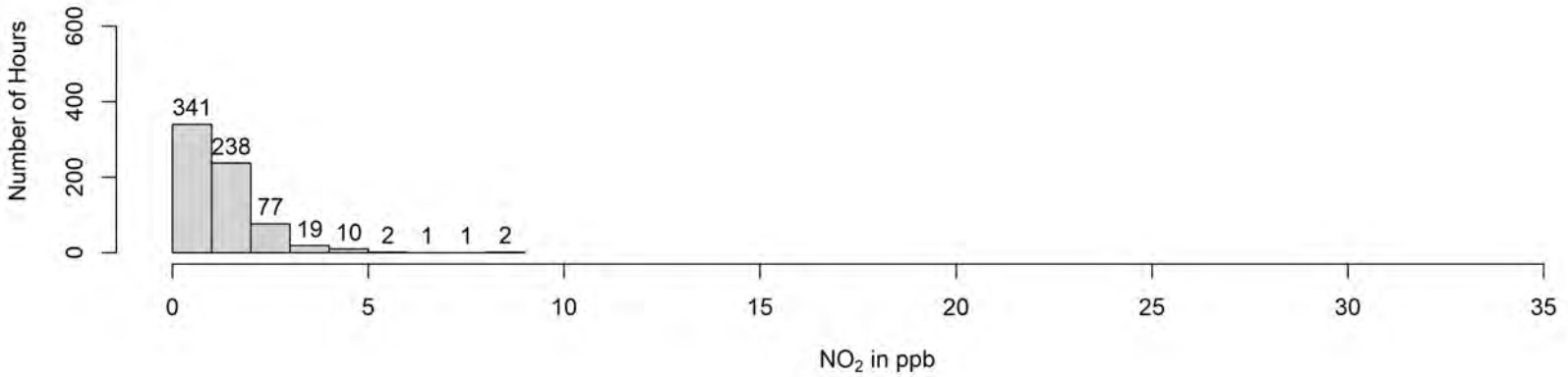
The following pages include the charts and histograms for Milner Station

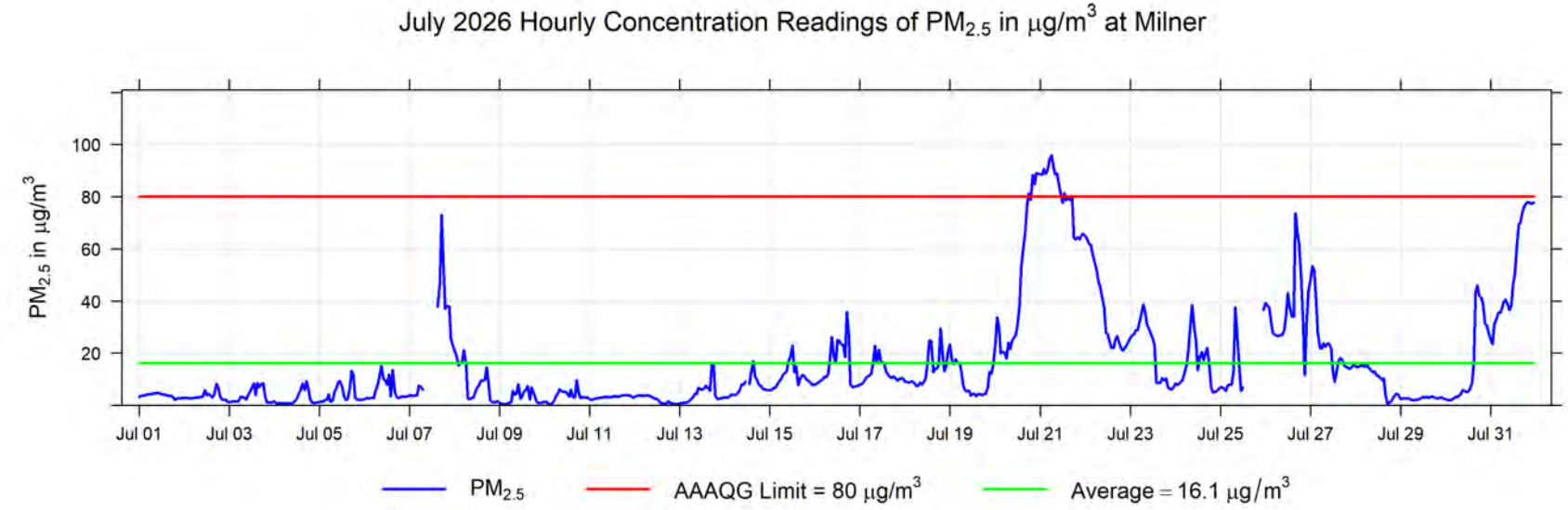


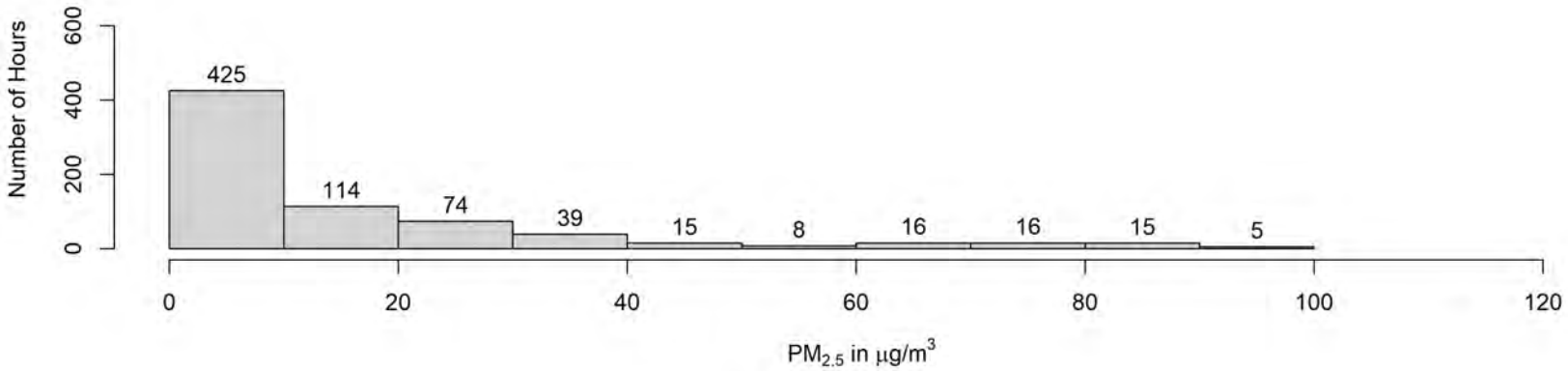

July 2026 Hourly Concentration Readings of NO (in ppb) at Milner
NO in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO
Average = 0.6 ppb

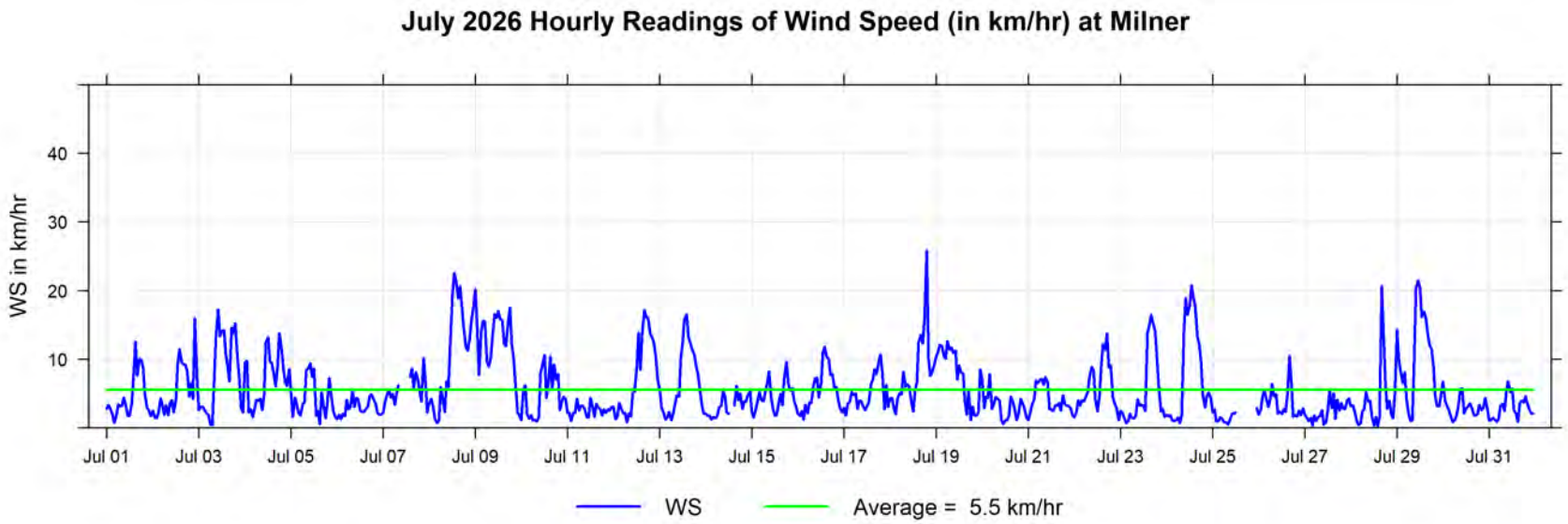

July 2026 Hourly Concentration Readings of NOx (in ppb) at Milner
NOx in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NOx
Average = 1.8 ppb

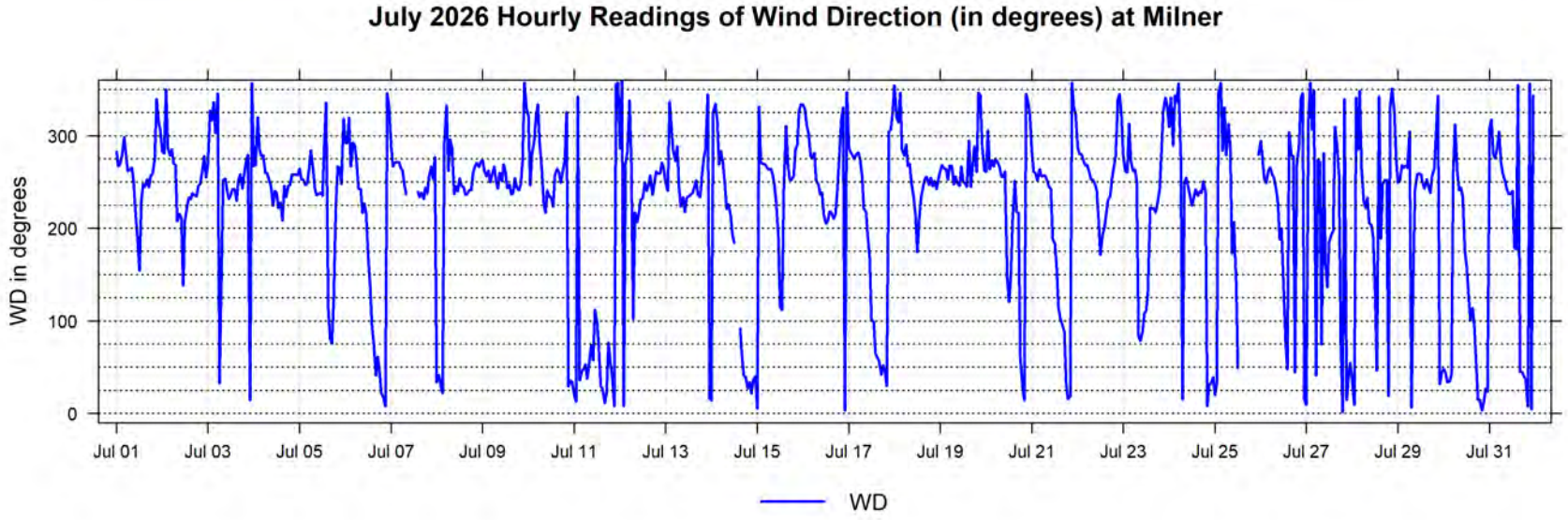

July 2026 Hourly Concentration Readings of NO2 (in ppb) at Milner
NO2 in ppb
150
100
50
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
NO2
AAAQO Limit = 159 ppb
Average = 1.2 ppb

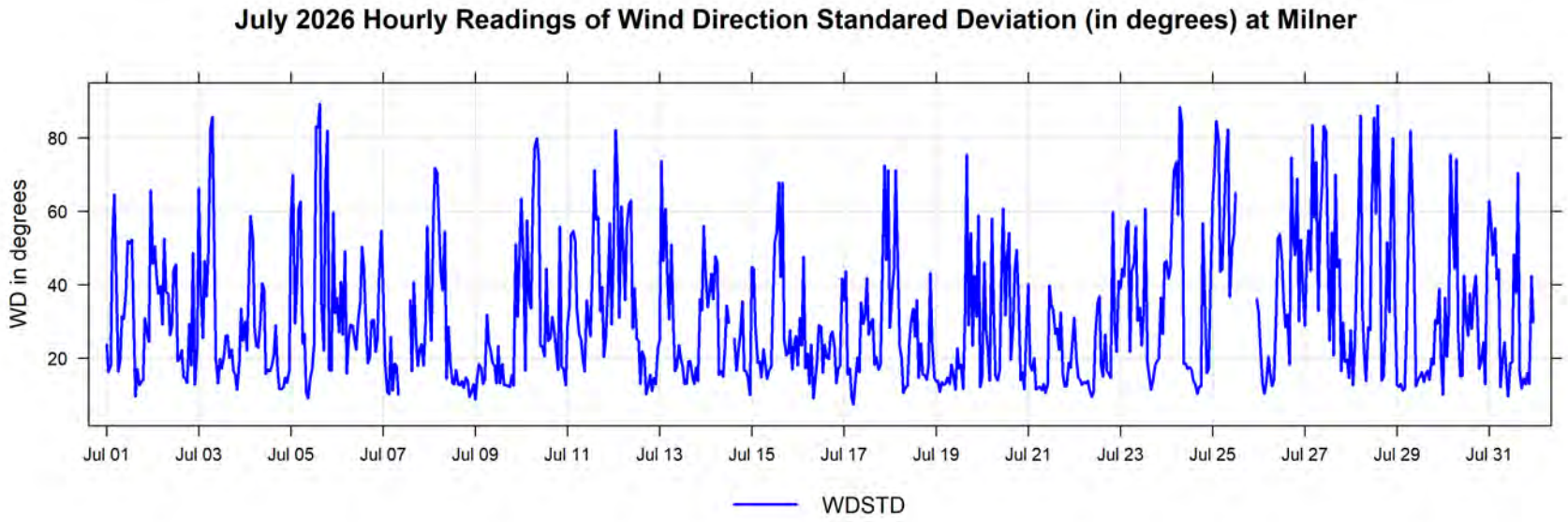

Number of Hours
0
200
400
600
341
238
77
19
10
2
1
1
2
0
5
10
15
20
25
30
35
NO2 in ppb

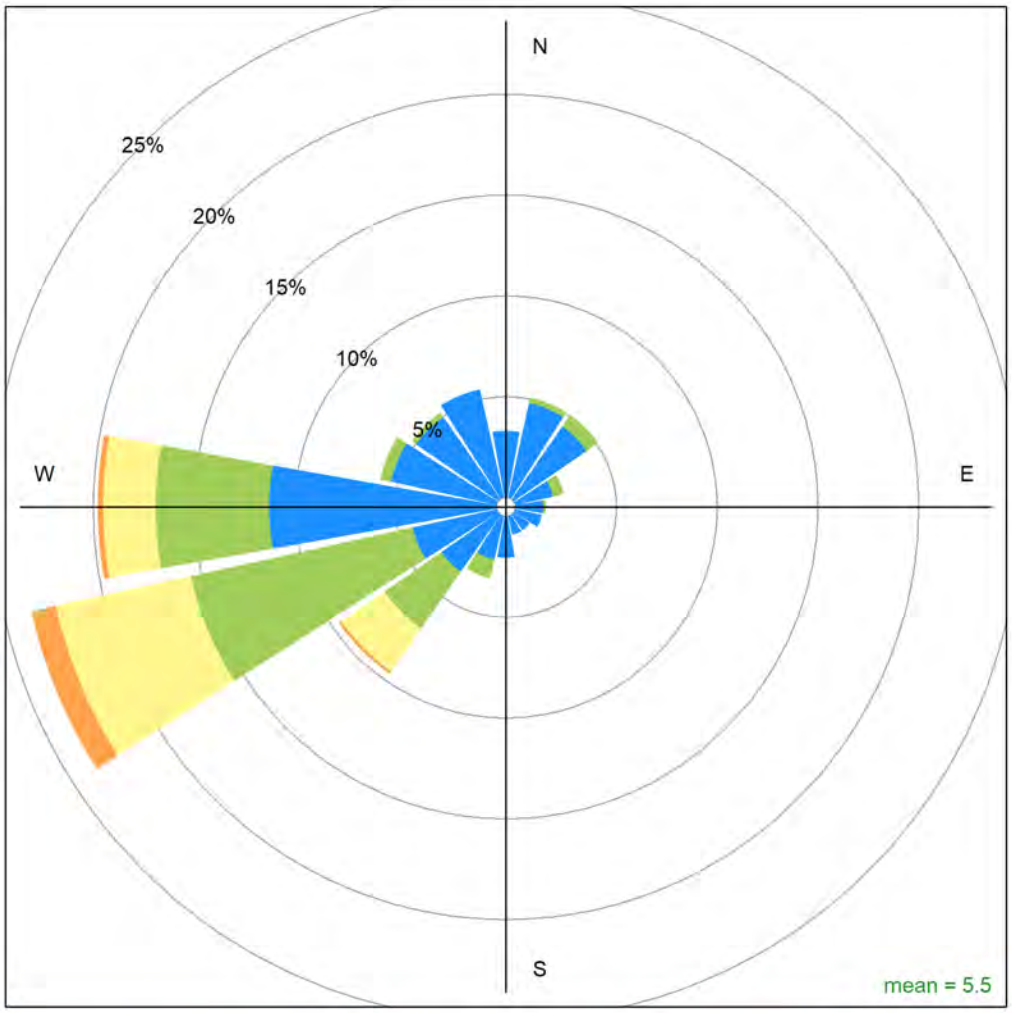

July 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Milner
PM2.5 in µg/m3
100
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
PM2.5
AAAQG Limit = 80 µg/m3
Average = 16.1 µg/m3


Number of Hours
0
200
400
600
425
114
74
39
15
8
16
16
15
5
0
20
40
60
80
100
120
PM2.5 in µg/m3


July 2026 Hourly Readings of Wind Speed (in km/hr) at Milner
WS in km/hr
40
30
20
10
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WS
Average = 5.5 km/hr


July 2026 Hourly Readings of Wind Direction (in degrees) at Milner
WD in degrees
300
200
100
0
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WD


July 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Milner
WD in degrees
80
60
40
20
Jul 01
Jul 03
Jul 05
Jul 07
Jul 09
Jul 11
Jul 13
Jul 15
Jul 17
Jul 19
Jul 21
Jul 23
Jul 25
Jul 27
Jul 29
Jul 31
WDSTD



Milner July 2026 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 4.4 %

10 Passive Monitoring Data

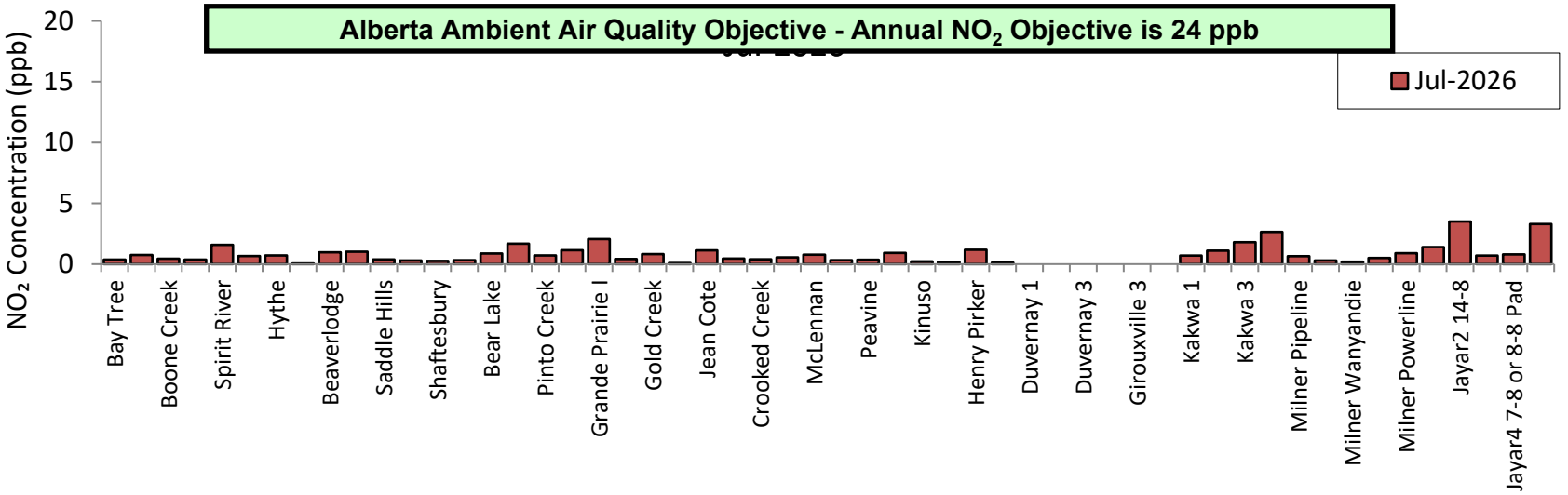
Peace Airshed Zone Association - PAZA Passive Stations for July 2026

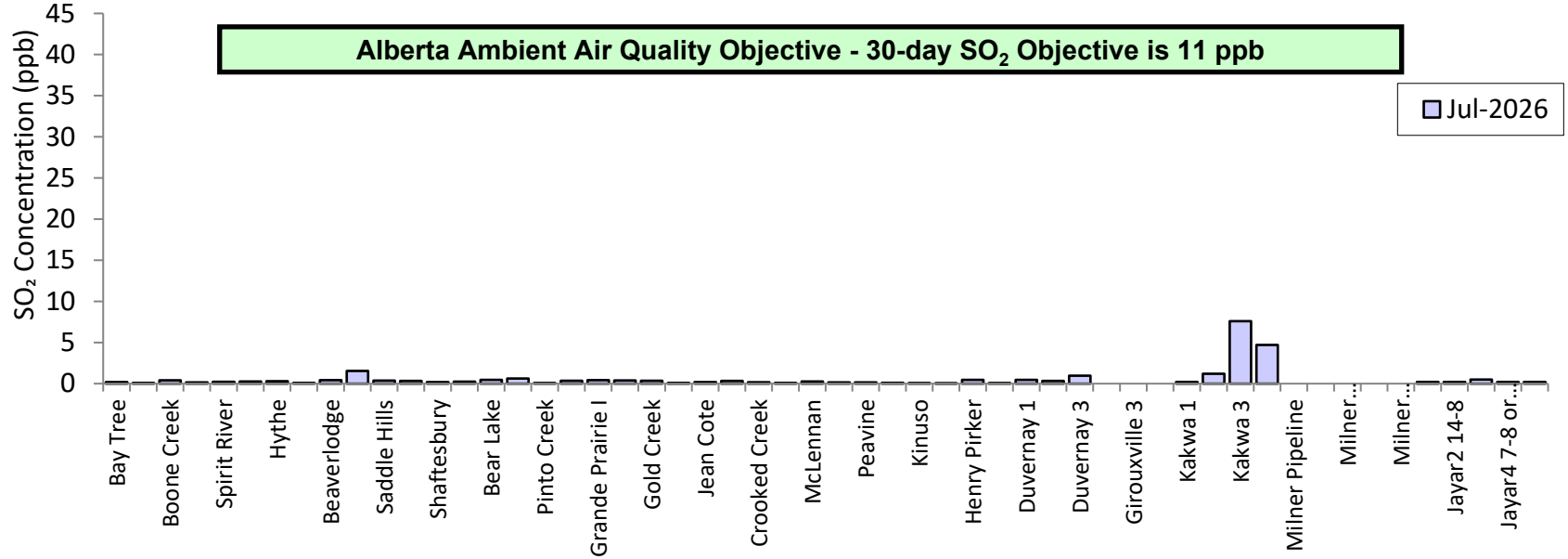
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
Duplicates						
2a	Bay Tree		**27.4**			13-16-078-13 W6M
2b	Bay Tree		**24.0**			
5a	Boone Creek	**0.4**				01-23-076-11 W6M
5b	Boone Creek	**0.4**				
14a	Sylvester	**0.1**				08-06-069-12 W6M
14b	Sylvester	**0.1**				
16a	Beaverlodge			**0.9**		15-36-071-10 W6M
16b	Beaverlodge			**1.1**		
25a	Pinto Creek			**0.7**		04-24-069-11 W6M
25b	Pinto Creek			**0.7**		
34a	Puskwaskau	**0.1**				15-35-074-25 W5M
34b	Puskwaskau	**0.1**				
35a	Jean Cote			**1.1**		12-35-079-21 W5M
35b	Jean Cote			**1.1**		
39a	Clouston Creek	**0.1**				12-01-073-22 W5M
39b	Clouston Creek	**0.1**				
47a	Kinuso			**0.2**		12-10-073-10 W5M
47b	Kinuso			**0.2**		
G3a	Girouxville 3				**0.85**	14-02-077-23 W5M
G3b	Girouxville 3				**0.97**	
D2a	Duvernay 2	**0.3**			**0.17**	04-33-062-20 W5M
D2b	Duvernay 2	**0.3**			**0.12**	
K4a	Kakwa 4			**2.9**		06-18-063-04 W6M
K4b	Kakwa 4			**2.4**		
K1a	Kakwa 1	**0.2**				01-13-063-05 W6M
K1b	Kakwa 1	**0.2**				
K3a	Kakwa 3				**0.02**	12-18-063-04 W6M
K3b	Kakwa 3				**0.04**	
M9Aa	Milner Pipeline			**0.6**		12-14-058-08 W6M
M9Ab	Milner Pipeline			**0.7**		
M10a	Milner Powerline	**<0.1**				06-14-058-08 W6M
M10b	Milner Powerline	**<0.1**				
J3Da	Jayar3 Bone Yard			**0.7**		14-08-062-03 W6M
J3Db	Jayar3 Bone Yard			**0.7**		
J2Da	Jayar2 14-8	**0.2**				07-08-062-03 W6M
J2Db	Jayar2 14-8	**0.2**				
J1Da	Jayar1 Plant				**0.08**	06-08-062-03 W6M
J1Db	Jayar1 Plant				**0.07**	

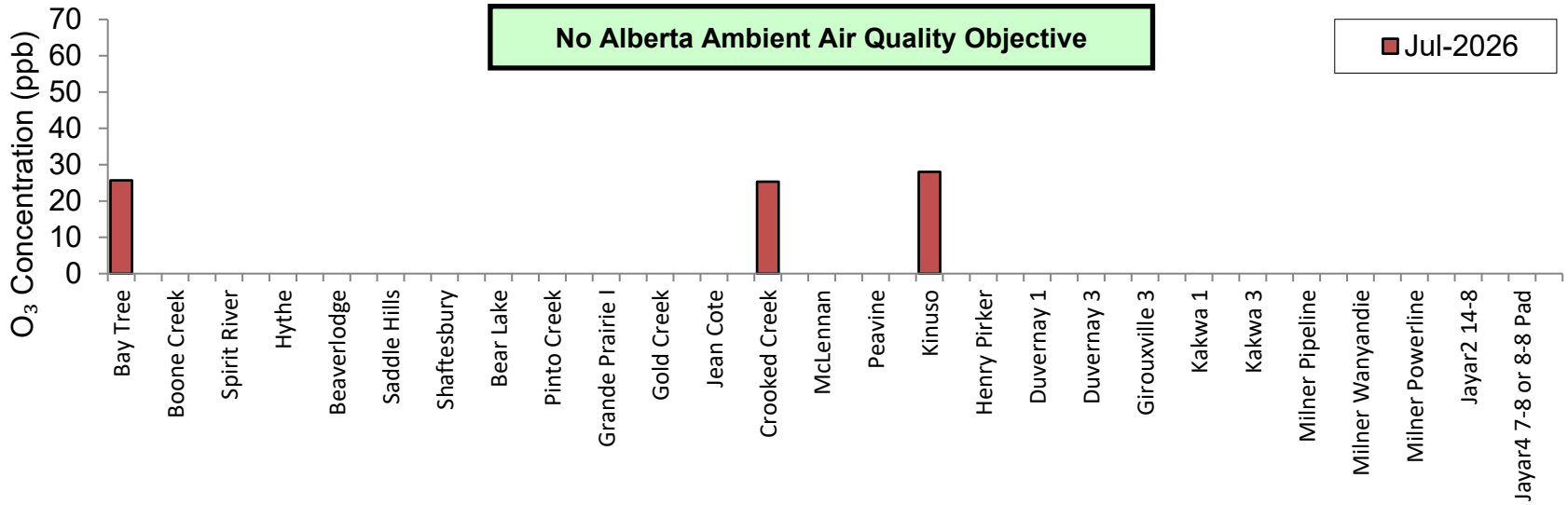
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
2	Bay Tree	0.2	25.7	0.4	-	13-16-078-13 W6M
3	Forth Creek	0.1	-	0.8	-	04-13-082-07 W6M
5	Boone Creek	0.4	-	0.4	-	01-23-076-11 W6M
7	Steeprock Creek	0.2	-	0.4	-	09-35-072-13 W6M
9	Spirit River	0.2	-	1.6	-	08-12-079-07 W6M
11	Webber Creek	0.3	-	0.7	-	09-36-074-09 W6M
12	Hythe	0.3	-	0.7	-	14-36-072-11 W6M
14	Sylvester	0.1	-	0.1	-	08-06-069-12 W6M
16	Beaverlodge	0.4	-	1.0	-	15-36-071-10 W6M
17	Poplar	1.5	-	1.0	-	13-06-073-08 W6M
18	Saddle Hills	0.4	-	0.4	-	04-25-074-07 W6M
19	Wanham	0.3	-	0.3	-	16-22-077-03 W6M
20	Shaftesbury	0.2	-	0.3	-	04-03-082-23 W5M
21	Eaglesham	0.3	-	0.3	-	16-21-079-25 W5M
23	Bear Lake	0.5	-	0.9	-	15-31-072-06 W6M
24	Wembley	0.6	-	1.7	-	12-31-070-08 W6M
25	Pinto Creek	0.1	-	0.7	-	04-24-069-11 W6M
26	Flyingshot	0.3	-	1.1	-	15-36-070-07 W6M
27	Grande Prairie I	0.4	-	2.1	-	08-15-071-06 W6M
29	Smoky Heights	0.4	-	0.4	-	04-06-075-02 W6M
32	Gold Creek	0.4	-	0.8	-	06-33-067-05 W6M
34	Puskwaskau	0.1	-	0.1	-	15-35-074-25 W5M
35	Jean Cote	0.2	-	1.1	-	12-35-079-21 W5M
36	Guy	0.3	-	0.5	0.31	03-04-076-22 W5M
37	Crooked Creek	0.2	25.3	0.4	-	16-01-071-26 W5M
39	Clouston Creek	0.1	-	0.6	-	12-01-073-22 W5M
40	McLennan	0.3	-	0.8	-	03-29-077-19 W5M
42	Sunset House	0.2	-	0.3	-	05-32-070-19 W5M
44	Peavine	0.2	-	0.4	-	03-05-079-15 W5M
46	Little Smoky	0.1	-	0.9	-	12-01-065-21 W5M
47	Kinuso	0.1	28.0	0.2	-	12-10-073-10 W5M
48	Deer Mountain	0.0	-	0.2	-	15-22-068-09 W5M
49	Henry Pirker	0.5	-	1.2	-	17-26-071-06 W6M
50	East Prairie	0.1	-	0.1	-	11-13-079-08 W6M
D1	Duvernay 1	0.5	-	-	0.12	04-33-062-20 W5M
D2	Duvernay 2	0.3	-	-	0.15	04-33-062-20 W5M
D3	Duvernay 3	1.0	-	-	0.12	04-33-062-20 W5M
D4	Duvernay 4	-	-	-	0.14	04-33-062-20 W5M
G3	Girouxville 3	-	-	-	0.91	14-02-077-23 W5M
G4	Girouxville 4	-	-	-	0.95	04-08-077-22 W5M
K1	Kakwa 1	0.2	-	0.7	<0.02	01-13-063-05 W6M
K2	Kakwa 2	1.2	-	1.1	<0.02	08-13-063-05 W6M
K3	Kakwa 3	7.6	-	1.8	0.03	12-18-063-04 W6M
K4	Kakwa 4	4.7	-	2.7	0.03	06-18-063-04 W6M
M1	Milner Pipeline	<0.1	-	0.7	-	12-14-058-08 W6M
M2	Milner Bridge	<0.1	-	0.3	-	08-06-057-08 W6M
M3	Milner Wanyandie	<0.1	-	0.2	-	11-13-058-08 W6M
M4	Milner Ambient Trailer	<0.1	-	0.5	-	09-15-058-08 W6M
M5	Milner Powerline	<0.1	-	0.9	-	06-14-058-08 W6M
J1	Jayar1 Plant	0.2	-	1.4	0.08	06-08-062-03 W6M
J2	Jayar2 14-8	0.2	-	3.5	0.07	07-08-062-03 W6M
J3	Jayar3 Bone Yard	0.5	-	0.7	0.09	14-08-062-03 W6M
J4	Jayar4 7-8 or 8-8 Pad	0.2	-	0.8	0.05	10-08-062-03 W6M
J5	Jayar5 Camp	0.2	-	3.3	0.10	11-08-062-03 W6M

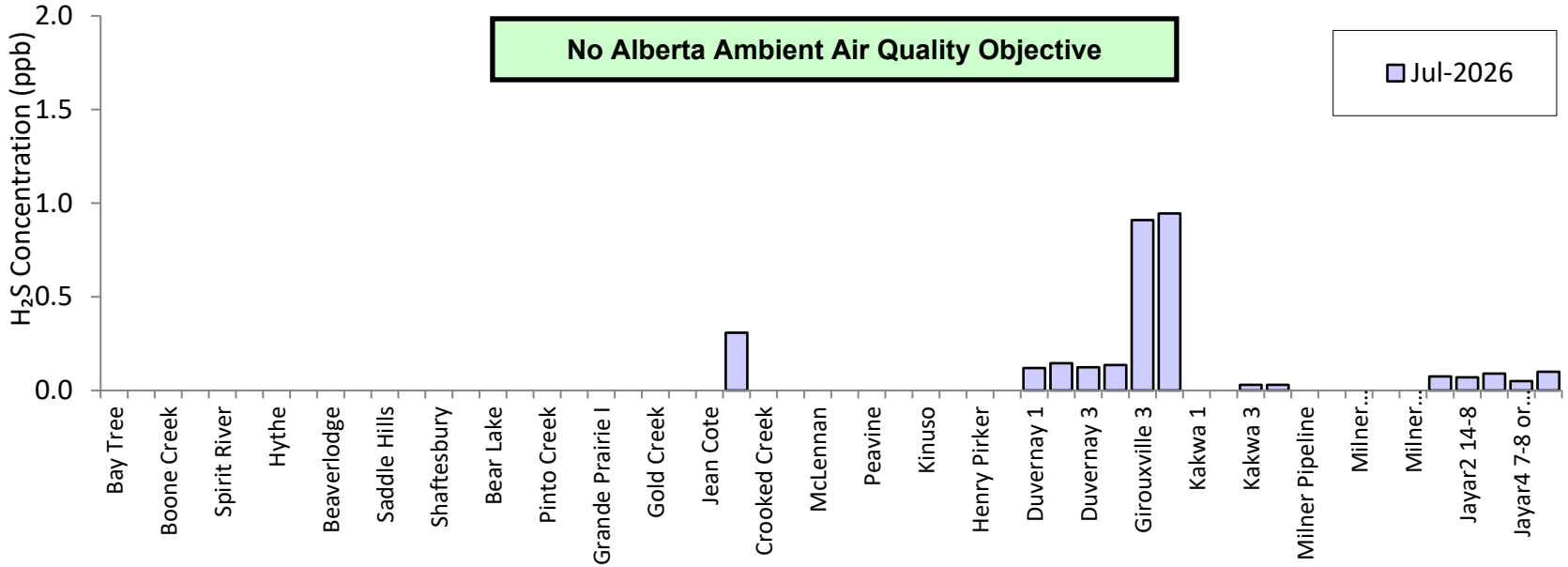
Passive Summary for July 2026

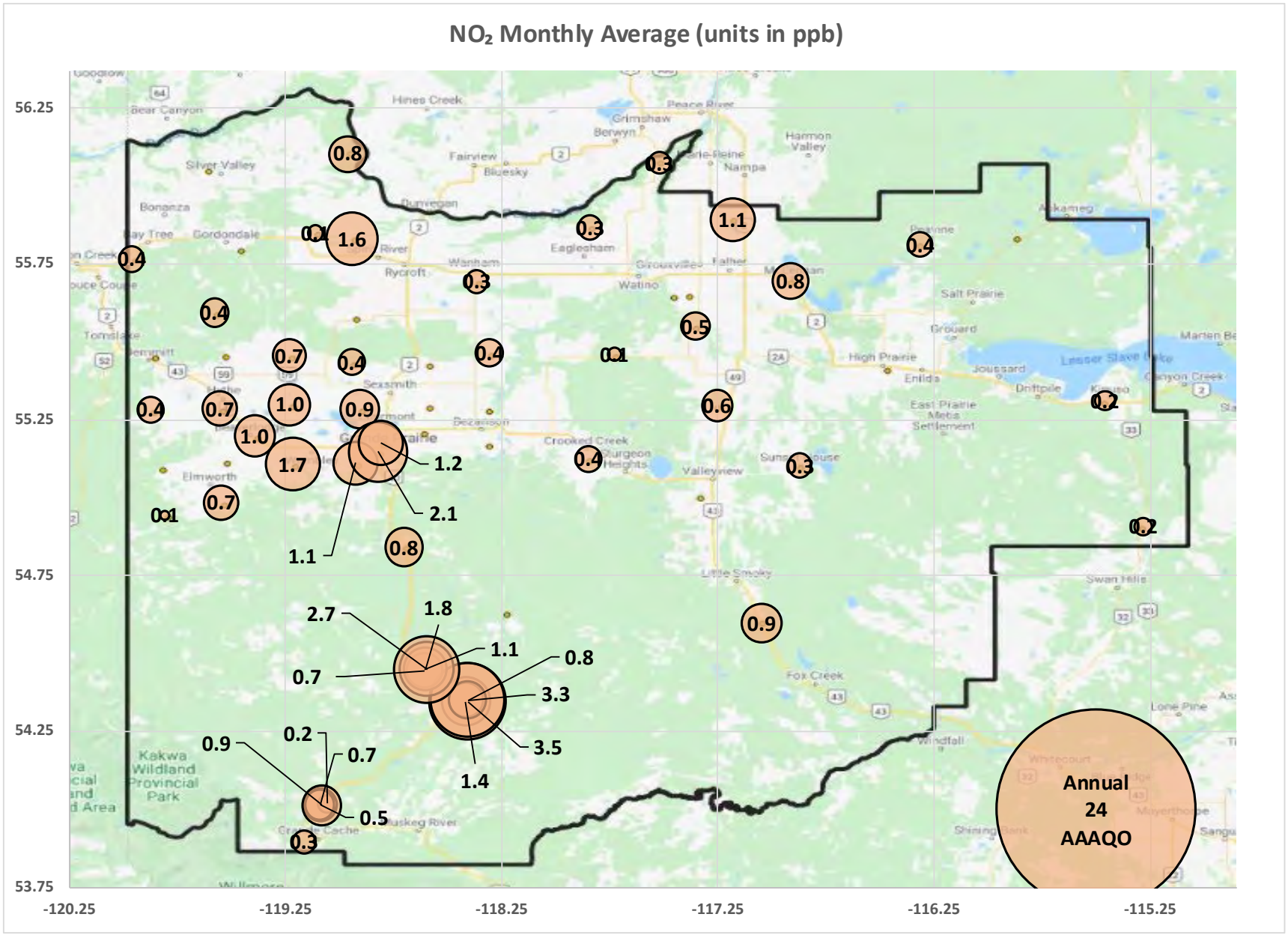
Stats	Sulphur Dioxide SO_2	Ozone O_3	Nitrogen Dioxide NO_2	Hydrogen Sulphide H_2S
	ppb	ppb	ppb	ppb
	Passive Summary for July 2026 (PAZA)			
Mean	0.6	26.3	0.9	0.2
Standard Deviation	1.3	1.5	0.8	0.3
Minimum	0.0 Deer Mountain (#48)	25.3 Crooked Creek (#37)	0.1 Sylvester (#14)	0.0 Kakwa 3 (#K3)
Maximum	7.6 Kakwa 3 (#K3)	28.0 Kinuso (#47)	3.5 Jayar2 14-8 (#J2)	0.9 Girouxville 4 (#G4)
	Continuous and Passive Monitoring Comparision			
PAZA Beaverlodge Station	**0.5**	**25.5**	**2.4**	**-**
Beaverlodge Passive (#16)	**0.4**	**-**	**1.0**	**-**
PAZA Henry Pirker Station	**0.3**	**24.6**	**3.6**	**0.1**
Henry Pirker passive (#49)	**0.5**	**-**	**1.2**	**-**
Milner Station	**-**	**-**	**1.2**	**-**
Milner passive	**<0.1**	**-**	**0.5**	**-**

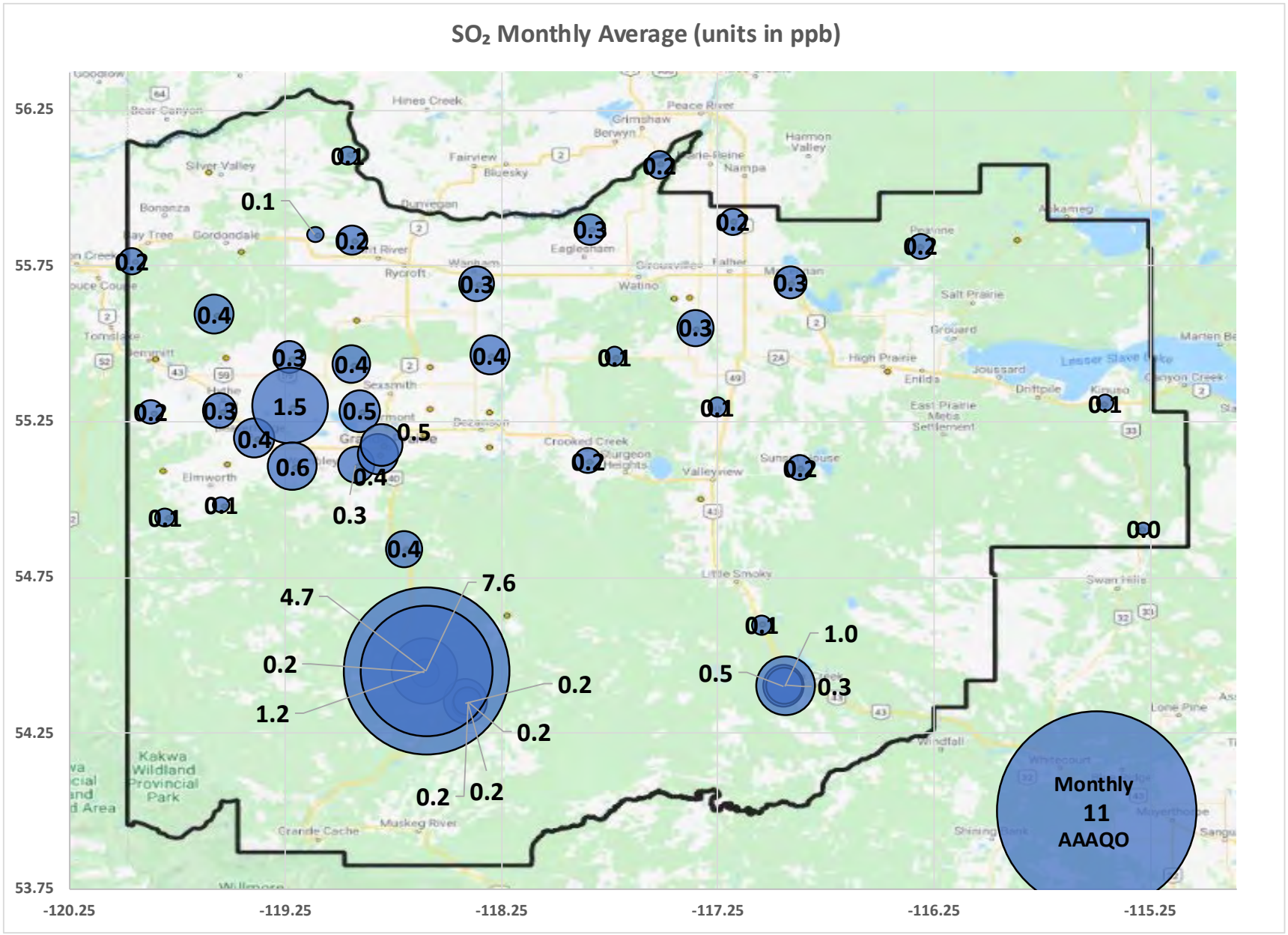

Alberta Ambient Air Quality Objective - Annual NO2 Objective is 24 ppb
Jul-2026
NO2 Concentration (ppb)
0
5
10
15
20
Bay Tree
Boone Creek
Spirit River
Hythe
Beaverlodge
Saddle Hills
Shaftesbury
Bear Lake
Pinto Creek
Grande Prairie I
Gold Creek
Jean Cote
Crooked Creek
McLennan
Peavine
Kinuso
Henry Pirker
Duvernay 1
Duvernay 3
Girouxville 3
Kakwa 1
Kakwa 3
Milner Pipeline
Milner Wanyandie
Milner Powerline
Jayar2 14-8
Jayar4 7-8 or 8-8 Pad

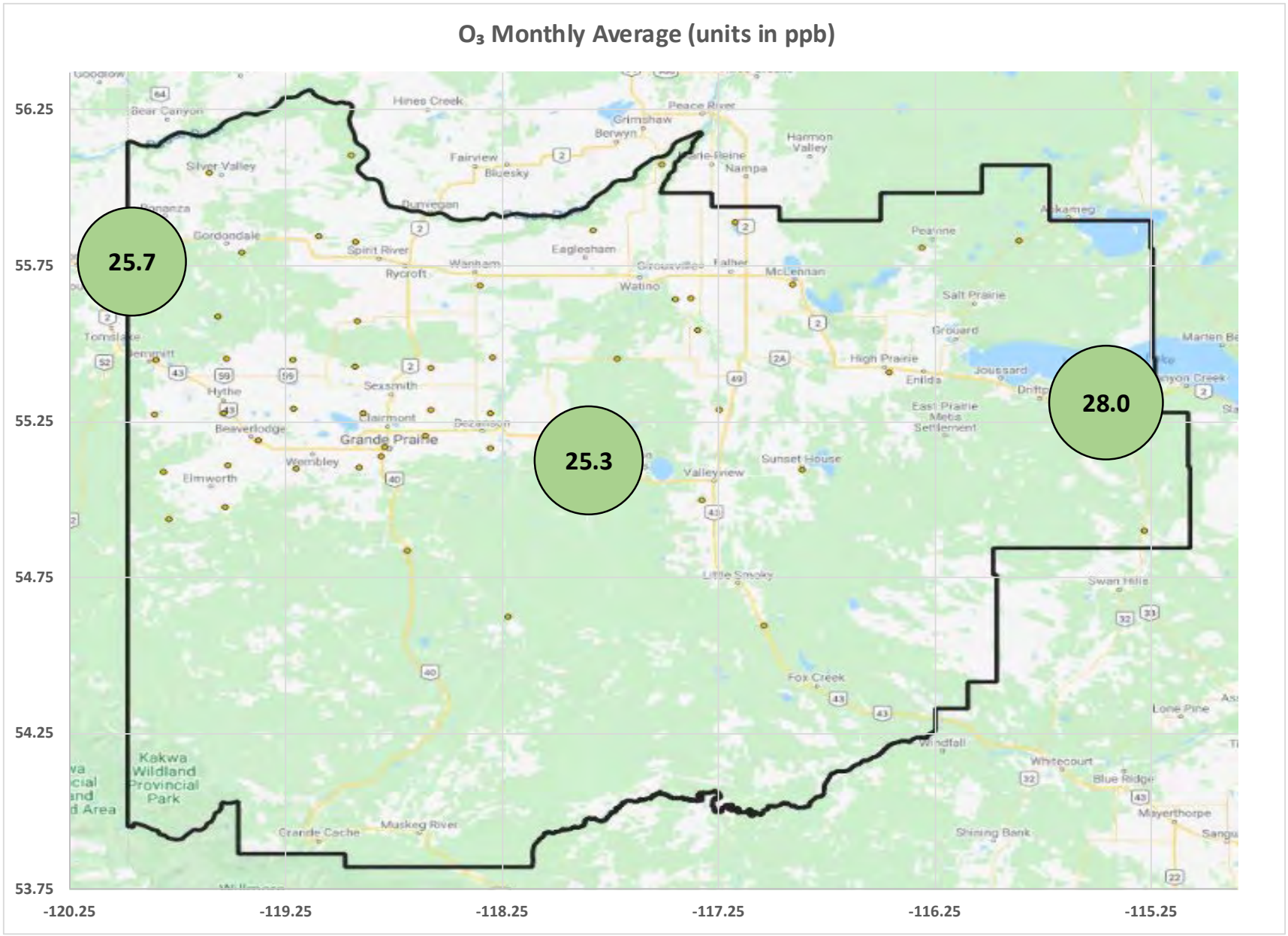

Alberta Ambient Air Quality Objective - 30-day SO2 Objective is 11 ppb
Jul-2026
SO2 Concentration (ppb)
0
5
10
15
20
25
30
35
40
45
Bay Tree
Boone Creek
Spirit River
Hythe
Beaverlodge
Saddle Hills
Shaftesbury
Bear Lake
Pinto Creek
Grande Prairie I
Gold Creek
Jean Cote
Crooked Creek
McLennan
Peavine
Kinuso
Henry Pirker
Duvernay 1
Duvernay 3
Girouxville 3
Kakwa 1
Kakwa 3
Milner Pipeline
Milner...
Milner...
Jayar2 14-8
Jayar4 7-8 or...

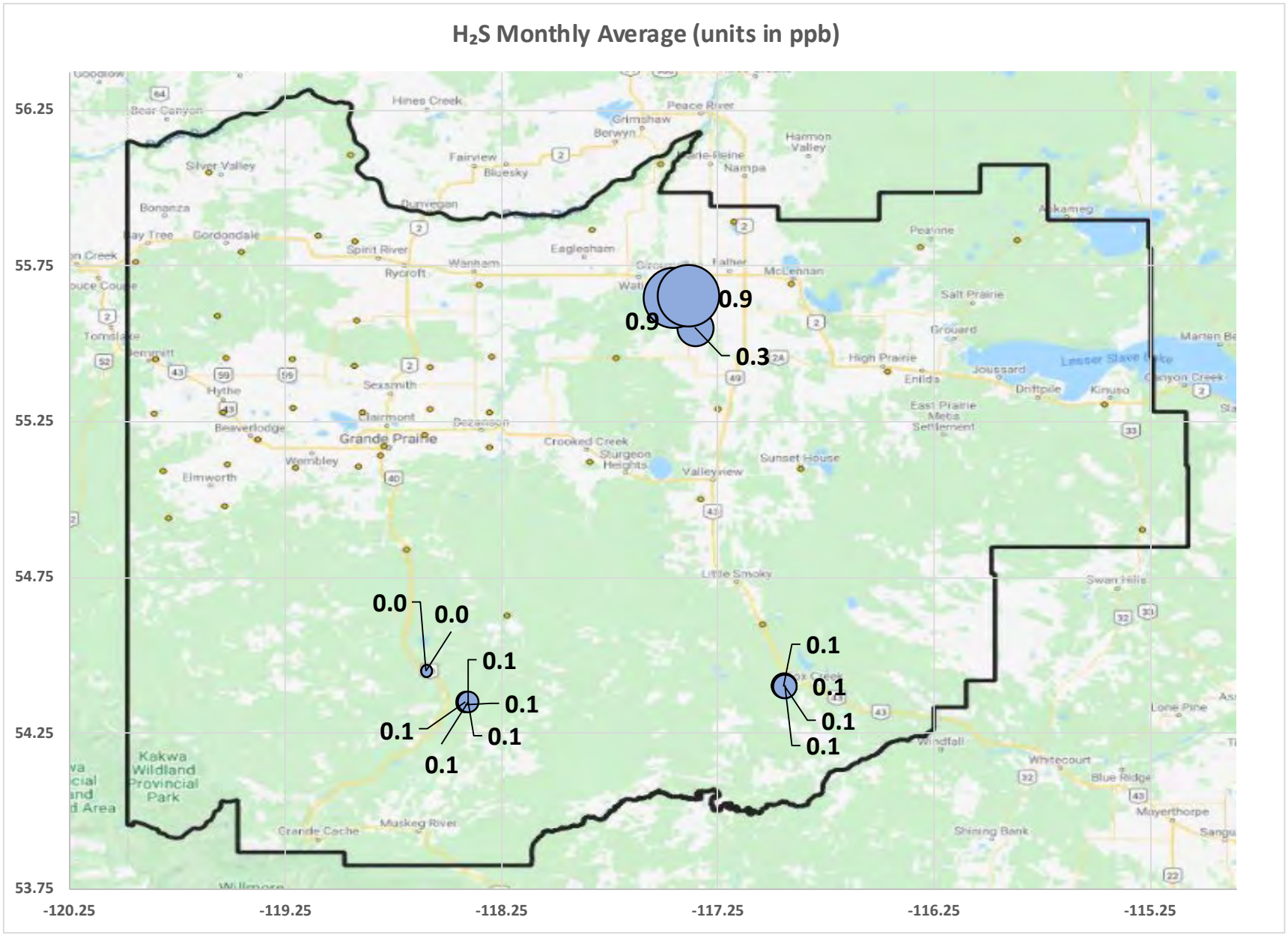

No Alberta Ambient Air Quality Objective
Jul-2026
O3 Concentration (ppb)
70
60
50
40
30
20
10
0
Bay Tree
Boone Creek
Spirit River
Hythe
Beaverlodge
Saddle Hills
Shaftesbury
Bear Lake
Pinto Creek
Grande Prairie I
Gold Creek
Jean Cote
Crooked Creek
McLennan
Peavine
Kinuso
Henry Pirker
Duvernay 1
Duvernay 3
Girouxville 3
Kakwa 1
Kakwa 3
Milner Pipeline
Milner Wanyandie
Milner Powerline
Jayar2 14-8
Jayar4 7-8 or 8-8 Pad


No Alberta Ambient Air Quality Objective
Jul-2026
H2S Concentration (ppb)
2.0
1.5
1.0
0.5
0.0
Bay Tree
Boone Creek
Spirit River
Hythe
Beaverlodge
Saddle Hills
Shaftesbury
Bear Lake
Pinto Creek
Grande Prairie I
Gold Creek
Jean Cote
Crooked Creek
McLennan
Peavine
Kinuso
Henry Pirker
Duvernay 1
Duvernay 3
Girouxville 3
Kakwa 1
Kakwa 3
Milner Pipeline
Milner...
Milner...
Jayar2 14-8
Jayar4 7-8 or...


NO₂ Monthly Average (units in ppb)
56.25
55.75
55.25
54.75
54.25
53.75
-120.25
-119.25
-118.25
-117.25
-116.25
-115.25
Annual
24
AAAQO


SO₂ Monthly Average (units in ppb)
56.25
55.75
55.25
54.75
54.25
53.75
-120.25
-119.25
-118.25
-117.25
-116.25
-115.25
Hines Creek
Peace River
Grimshaw
Berwyn
Harmon Valley
Silver Valley
Fairview
Bluesky
Nampa
Bonanza
Dunvegan
Gordondale
Eaglesham
Rycroft
Watino
Salt Prairie
Grouard
High Prairie
Enilda
Joussard
Lesser Slave Lake
Driftpile
Kinuso
East Prairie Metis Settlement
Crooked Creek
Valleyview
Elmworth
Little Smoky
Swan Hills
Kakwa Wildland Provincial Park
Grande Cache
Muskeg River
Windfall
Lone Pine
Monthly 11 AAAQO
0.1
0.2
0.3
0.4
1.5
0.5
0.6
7.6
4.7
1.2
1.0
0.0

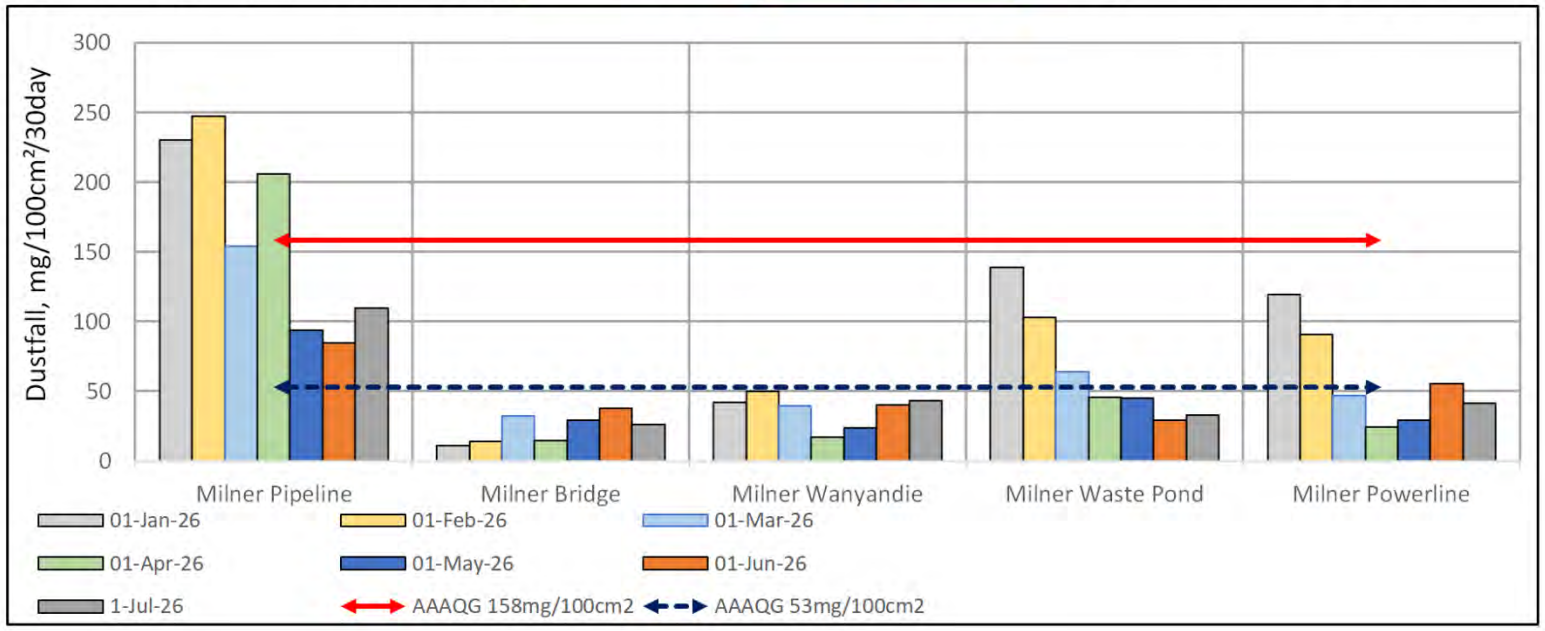

O₃ Monthly Average (units in ppb)
56.25
55.75
55.25
54.75
54.25
53.75
-120.25
-119.25
-118.25
-117.25
-116.25
-115.25
25.7
25.3
28.0
Hines Creek
Peace River
Grimshaw
Berwyn
Harmon Valley
Fairview
Bluesky
Nampa
Silver Valley
Dunvegan
Gordondale
Spirit River
Rycroft
Eaglesham
Watino
McLennan
Salt Prairie
Grouard
High Prairie
Enilda
Joussard
East Prairie Metis Settlement
Sexsmith
Hythe
Beaverlodge
Clairmont
Grande Prairie
Wembley
Elmworth
Valleyview
Sunset House
Little Smoky
Swan Hills
Fox Creek
Lone Pine
Windfall
Whitecourt
Blue Ridge
Mayerthorpe
Kakwa Wildland Provincial Park
Grande Cache
Muskeg River
Shining Bank


H2S Monthly Average (units in ppb)
56.25
55.75
55.25
54.75
54.25
53.75
-120.25
-119.25
-118.25
-117.25
-116.25
-115.25
0.9
0.9
0.3
0.0
0.0
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
Grande Prairie
Peace River
Fairview
Dunvegan
Spirit River
Rycroft
Eaglesham
McLennan
Salt Prairie
Grouard
High Prairie
Enilda
Joussard
Driftpile
Kinuso
East Prairie Metis Settlement
Sexsmith
Hythe
Beaverlodge
Clairmont
Wembley
Elmworth
Crooked Creek
Sturgeon Heights
Valleyview
Sunset House
Little Smoky
Swan Hills
Kakwa Wildland Provincial Park
Grande Cache
Muskeg River
Whitecourt
Blue Ridge
Windfall
Lone Pine
Meyerthorpe
Shining Bank

11 Dustfall Monitoring Data

Milner Dustfall Samples July 2026

Exposure Month	Year	Sample	Total Dustfall (30 day) mg/100cm²/30day	Fixed Dustfall (30 day) mg/100cm²/30day	Exposure days	Field Notes
July	2026	Milner Pipeline	109.6	52.8	30	
July	2026	Milner Bridge	26.0	14.6	30	
July	2026	Milner Wanyandie	43.0	12.2	30	
July	2026	Milner Waste Pond	32.5	13.8	30	
July	2026	Milner Powerline	41.4	8.1	30	
July	2026	Milner Powerline Dup	27.6	8.9	30	RPD, 40% / 9%



12 End of Report

End of Report

Peace Airshed Zone Association

Peace Airshed Zone Association

Ambient Air Monitoring Report

July 2026