

Peace Airshed Zone Association

Ambient Air Monitoring Network Summary

Ambient Air Quality Monitoring Program

Monthly Report

September 2026

October 31, 2026

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

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

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

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

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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 September 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 was one reading above the 30min TRS AAAQG
- There was one reading above the 1hr $PM_{2.5}$ AAAQG
- Two dustfall samples from CST Grande Cache

30min-readings above the TRS AAAQG (5ppb) recorded as follows:

Site	Pollutant	Date	From MST	To MST	Average ppb	WS km/hr	WD degrees
Dunes	TRS	2026-09-02	03:30	04:30	7.01	5.2	154

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
	Smoky Heights	$PM_{2.5}$	19-Sep-26	20:00	21:00	111.3	8.9	268

One reading above the sulphur dioxide monthly AAAQO (11ppb) at Kakwa 3 (11.4ppb), reference 460348

Operational times less than 90 percent

All equipment operated above 90% for the month

Air Incidents

None to report

AEPA audit performed

None to report

Deviations from Authorized Monitoring Methods

None to report

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 September:

- Eight SO_2 duplicates located at Puskwaskau, Jean Cote, Clouston Creek, East Prairie, Duvernay 4, Kakwa 4, Milner Powerline, Jayar1 Plant
  - RPD ranging from 0% to 52% (one fail at Jean Cote, 0.12 and 0.07 ppb)
  - Duplicate sample at Milner Powerline were both <0.1ppb
  - Kakwa 3, SO_2 sample was 11.4ppb > AAAQG (11ppb)
- One O_3 duplicate at Kinuso
  - RPD of 4% (no fail)
- Seven NO_2 duplicates at Shaftesbury, Guy, Sunset House, Peavine, Kakwa 1, Milner Wanyandie, Jayar2 14-8

    - RPD ranging from 0% to 40% (no fails)
- Four H_2S duplicates at Guy, Duvernay 4, Kakwa 2, Jayar5 Camp
    - RPD ranging from 4% to 22% (no fails)
    - Duplicate sample at Jayar 5 Camp were both <0.02ppb

Dustfall Monitoring

- Five Stations collected Total Dustfall and Fixed Dustfall at Milner
    - Total dustfall ranged from 12.9 to 109.2 mg/100cm²/30day
    - RPD was 4 to 68% (one fail, 5.0 to 10.1 mg/100cm^2/30d)
- Ten Stations collected Total Dustfall and Fixed Dustfall at CST
    - Total dustfall ranged from 24.7 to 129.6 mg/100cm²/30day

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.

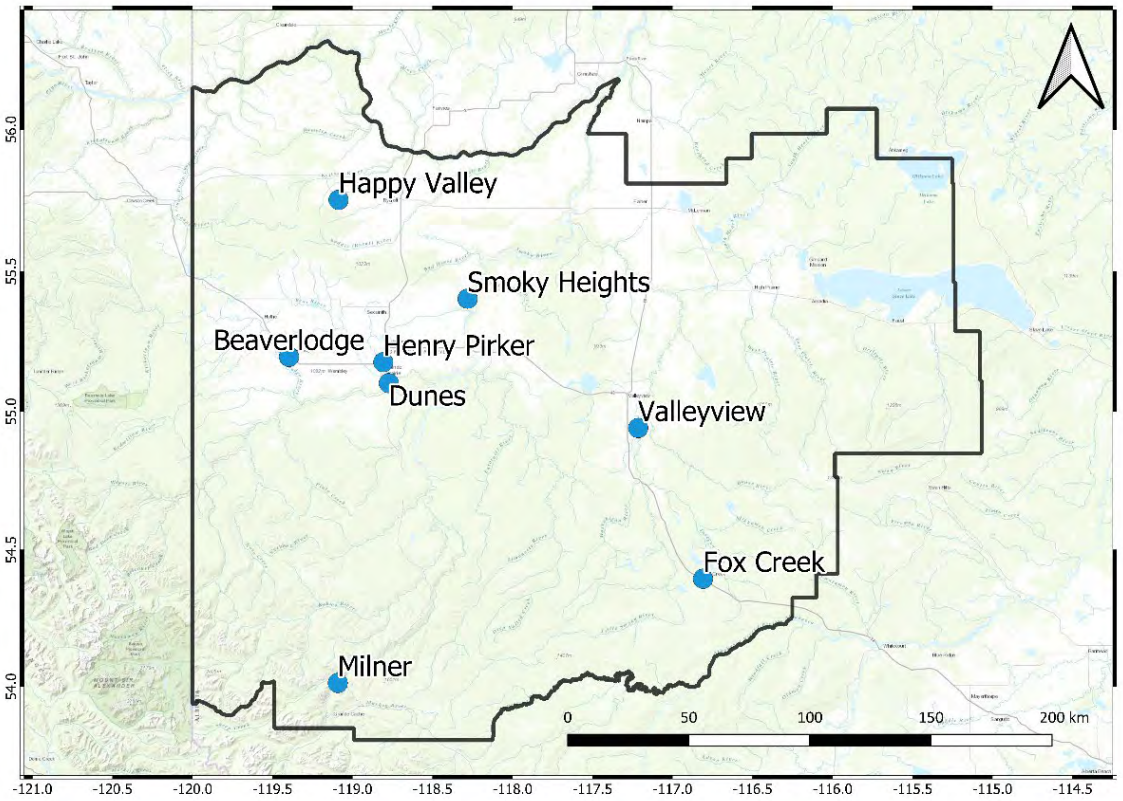


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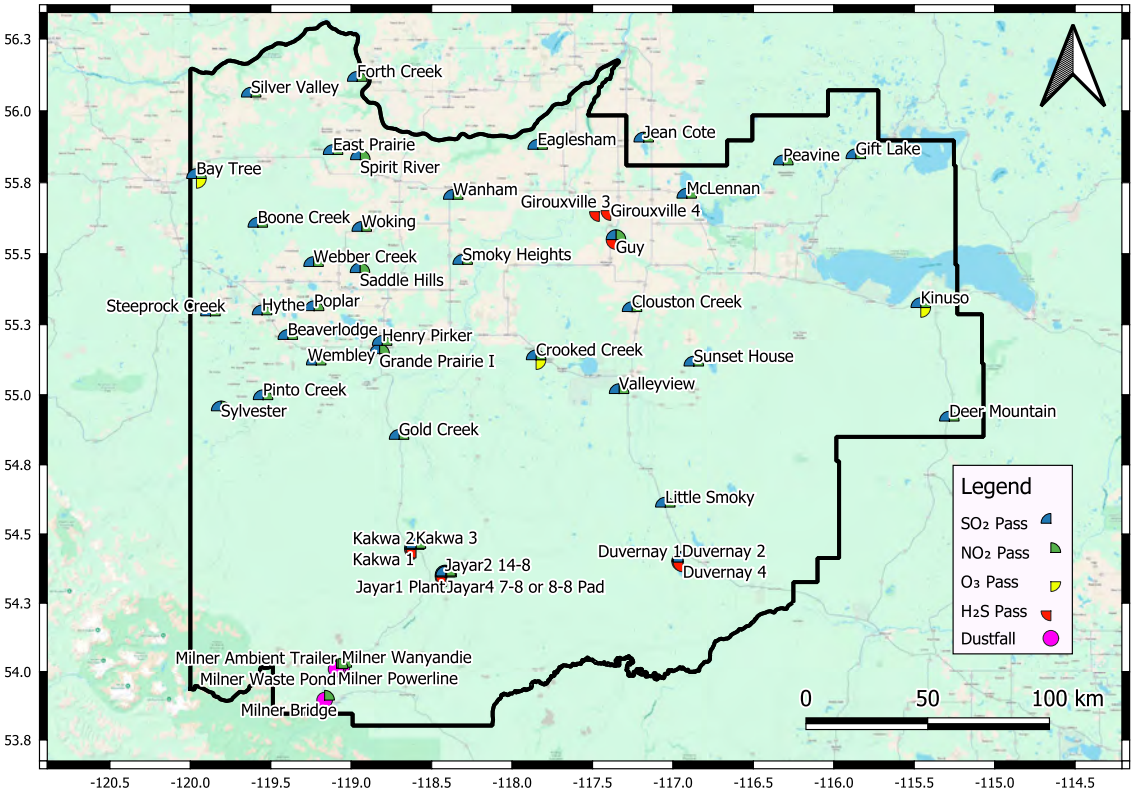
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PAZA Continuous Monitoring Station Locations



PAZA Passive Monitoring Station Locations



1 September 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 - September 2026 Beaverlodge Station Report

	September				1-hour			24-hour			Exceedance				Calibration
Parameter	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date
NO (ppb)	0.5	0.0	94.9%	100.0%	24.7	-	Sep-15 09:00	2.4	-	Sep-15	-	-	-	-	Sep 01, 2026
NO_2 (ppb)	2.4	0.3	94.9%	100.0%	13.7	159	Sep-21 08:00	4.5	-	Sep-21	0	-	-	-	Sep 01, 2026
NO_x (ppb)	2.8	0.3	94.9%	100.0%	33.9	-	Sep-15 09:00	6.6	-	Sep-15	-	-	-	-	Sep 01, 2026
O_3 (ppb)	23.4	1.1	95.4%	100.0%	44.8	76	Sep-02 14:00	31.8	-	Sep-09	0	-	-	-	Sep 01, 2026
$PM_{2.5}$ (µg/m³)	3.8	0.2	99.7%	100.0%	13.1	80	Sep-02 13:00	10.0	29	Sep-02	0	-	0	-	Sep 17, 2026
SO_2 (ppb)	0.3	0.0	95.4%	100.0%	5.9	172	Sep-12 23:00	1.2	48	Sep-01	0	-	0	0	Sep 17, 2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	11.3	0.5	100.0%	100.0%	24.4
RH (%)	67.2	15.2	100.0%	100.0%	100.1
WS (km/hr)	11.1	0.4	100.0%	100.0%	46.1
WD (deg)	264	0.4	100.0%	100.0%	359.5

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

Average Wind Direction 264 W

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_X$	Thermo	42iQ	Sept 1, AIC span failed (zero ok), calibration performed Sept 1 and passed, no additional data removed
O_3	Thermo	49iQ	No operational issues noted during the month
$PM_{2.5}$	API	T640	No operational issues noted during the month; no readings above AAAQG or AAAQO
SO_2	Thermo	43i-TLE	No operational issues noted during the month
Met Equip	RM Young	05305VK	No operational issues noted during the month

1.2 Dunes Air Monitoring Station

PAZA - September 2026 Dunes Station Report

	September				30min / 1-hour			24-hour			Exceedance				Calibration
Parameter	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date
$PM_{2.5}$ (µg/m³)	3.1	0.4	98.5%	99.3%	18.0	80	Sep-12 03:00	7.0	29	Sep-19	0	-	0	-	Sep-01-2026
SO_2 (ppb)	0.2	0.0	95.1%	100.0%	3.2	172	Sep-02 10:00	0.5	48	Sep-21	0	-	0	0	Sep-01-2026
TRS (ppb)	0.5	0.1	93.5%	98.8%	7.0	5	Sep-02 04:30	1.1	-	Sep-02	1	-	-	-	Sep-01-2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	10.9	-1.6	100.0%	100.0%	25.5
RH (%)	70.7	20.6	100.0%	100.0%	99.9
WS (km/hr)	5.2	0.0	100.0%	100.0%	15.3
WD (deg)	262	0.2	100.0%	100.0%	357.8

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

Average Wind Direction 262 W

Update Summary:

Parameter	Make	Model	Equipment summary
$PM_{2.5}$	Thermo	SHARP 5030	Sept 12, 5 hrs of excessive negative drifting; no readings above AAAQG or AAAQO
SO_2	Thermo	43i	No operational issues noted during the month
TRS	Thermo	43i	Sept 1, analyzer sample pump seized, removal cal could not be completed, repaired and installed, data removed from calibration to last good span (Aug 31 to Sept 1, 8hrs in September)
Met Equip	Gil/RMYoung	MetPak/RMY86004	No operational issues noted during the month

1.3 Grande Prairie - Henry Pirker Air Monitoring Station

PAZA - September 2026 Henry Pirker Station Report

Parameter	September 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)	2.0	0.0	94.6%	99.7%	40.8	-	Sep-21 08:00	8.6	-	Sep-21	-	-	-	-	Sep 02, 2026
NO_2 (ppb)	5.2	0.6	94.6%	99.7%	23.6	159	Sep-20 21:00	10.0	-	Sep-20	0	-	-	-	Sep 02, 2026
NO_X (ppb)	7.3	0.7	94.6%	99.7%	52.8	-	Sep-24 09:00	17.3	-	Sep-21	-	-	-	-	Sep 02, 2026
O_3 (ppb)	19.3	0.1	95.3%	100.0%	43.3	76	Sep-21 16:00	29.0	-	Sep-09	0	-	-	-	Sep 02, 2026
$PM_{2.5}$ (µg/m³)	4.5	0.3	99.7%	100.0%	25.2	80	Sep-20 22:00	11.4	29	Sep-21	0	-	0	-	Sep 10, 2026
SO_2 (ppb)	0.2	0.0	95.3%	100.0%	8.9	172	Sep-21 14:00	0.9	48	Sep-21	0	-	0	0	Sep 02, 2026
H_2S (ppb)	0.2	0.0	95.3%	100.0%	1.3	10	Sep-15 08:00	0.4	3	Sep-21	0	-	0	-	Sep 04, 2026
CH_4 (ppm)	2.1	1.9	95.3%	100.0%	4.0	-	Sep-18 06:00	2.3	-	Sep-05	-	-	-	-	Sep 10, 2026
THC (ppm)	2.1	1.9	95.3%	100.0%	4.1	-	Sep-18 06:00	2.3	-	Sep-05	-	-	-	-	Sep 10, 2026
NMHC (ppm)	0.0	0.0	95.3%	100.0%	0.1	-	Sep-10 09:00	0.0	-	Sep-10	-	-	-	-	Sep 10, 2026
CO (ppm)	0.2	0.1	95.4%	100.0%	0.7	13	Sep-04 15:00	0.2	5	Sep-20	0	0	-	-	Sep 04, 2026

	Average	Minimum	Valid	Operational	Maximum		
Temp (°C)	11.7	0.2	100.0%	100.0%	25.7		Jul 27, 2026
RH (%)	63.2	21.1	100.0%	100.0%	88.9		Jul 27, 2026
SR (W/m²)	123.2	0.0	100.0%	100.0%	651.9		Jul 27, 2026
WS (km/hr)	6.8	0.1	100.0%	100.0%	30.2		Jul 27, 2026
WD (deg)	267	1.3	100.0%	100.0%	358.3	Average Wind Direction 267 W	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	Sept 1-12, span progressively loosing, perm tube issues; Sept 12, calibration span check, ~1%, no issues (2hrs), perm tube replaced
O_3	TECO	49i	No operational issues noted during the month
$PM_{2.5}$	API	T640	No operational issues noted during the month; no readings above AAAQG or AAAQO
SO_2	Thermo	43i-TLE	No operational issues noted during the month
H_2S	TEI	450i	No operational issues noted during the month
$THC/CH_4/NMHC$	MOCON	9000	No operational issues noted during the month; replaced zero air generator and hydrogen cylinder after calibration
CO	Thermo	48i-TLE	No operational issues noted during the month
Met Equip	MetOne	50.5	No operational issues noted during the month

1.4 Smoky Heights Air Monitoring Station

PAZA - September 2026 Smoky Heights Station Report

Parameter	September 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)	5.4	0.0	99.9%	100.0%	111.3	80	Sep-19 21:00	19.9	29	Sep-07	1	-	0	-	Sep 03, 2026
SO_2 (ppb)	0.2	0.0	95.1%	99.9%	3.1	172	Sep-30 02:00	0.6	48	Sep-30	0	-	0	0	Sep 03, 2026
TRS (ppb)	0.1	0.0	95.1%	99.9%	0.5	5	Sep-19 02:30	0.2	-	Sep-03	0	-	-	-	Sep 03, 2026

	Average	Minimum	Valid	Operational	Maximum		
Temp (°C)	10.7	-1.1	100.0%	100.0%	25.6		
WS (km/hr)	11.3	0.1	100.0%	100.0%	47.0		Jul 02, 2026
WD (deg)	262	0.6	100.0%	100.0%	359.1	Average Wind Direction 262 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	No operational issues noted during the month; 1x1hr reading above the AAAQG and no readings above AAAQO
SO_2	TECO	43i	Sept 5, manual AIC run as a check, ok no issues (1hr)
TRS	TEI	43I APSAA	Sept 5, AIC span failed, manual AIC triggered to check, came in ok (1hr)
Met Equip	MetOne	50.5	No operational issues noted during the month

1.5 Valleyview Air Monitoring Station

PAZA - September 2026 Valleyview Station Report

Parameter	September 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)	0.0	0.0	95.3%	100.0%	1.3	172	Sep-17 11:00	0.1	48	Sep-20	0	-	0	0	Sep 09, 2026
H_2S (ppb)	0.1	0.0	95.3%	100.0%	0.6	10	Sep-01 06:00	0.3	3	Sep-02	0	-	0	-	Sep 09, 2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	11.2	-1.2	100.0%	100.0%	28.2
RH (%)	78.3	28.4	100.0%	100.0%	100.2
WS (km/hr)	5.2	0.1	100.0%	100.0%	19.6
WD (deg)	273	0.5	100.0%	100.0%	359.8

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

Average Wind Direction 273 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 - September 2026 Fox Creek Station Report

Parameter	September 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)	6.0	0.0	89.2%	94.5%	51.3	-	Sep-22 07:00	20.4	-	Sep-21	-	-	-	-	**Sep 02, 2026**
NO_2 (ppb)	5.1	0.0	89.2%	94.5%	23.9	159	Sep-19 17:00	9.4	-	Sep-19	0	-	-	-	**Sep 02, 2026**
NO_X (ppb)	11.3	0.0	89.2%	94.5%	65.4	-	Sep-22 07:00	28.6	-	Sep-21	-	-	-	-	**Sep 02, 2026**
O_3 (ppb)	17.0	0.1	94.9%	99.4%	43.8	76	Sep-02 17:00	25.1	-	Sep-02	0	-	-	-	**Sep 02, 2026**
$PM_{2.5}$ (µg/m³)	6.0	0.4	99.9%	100.0%	61.0	80	Sep-22 19:00	19.8	29	Sep-21	0	-	0	-	**Sep 02, 2026**
SO_2 (ppb)	0.5	0.0	94.7%	99.6%	37.1	172	Sep-07 12:00	2.8	48	Sep-17	0	-	0	0	**Sep 02, 2026**
H_2S (ppb)	0.1	0.0	87.4%	92.8%	0.7	10	Sep-22 07:00	0.2	3	Sep-21	0	-	0	-	**Sep 02, 2026**

	Average	Minimum	Valid	Operational	Maximum	
Temp (°C)	11.1	-0.6	100.0%	100.0%	27.2	**Jul 20, 2026**
WS (km/hr)	5.2	0.2	100.0%	100.0%	15.6	**Jul 20, 2026**
WD (deg)	262	0.3	100.0%	100.0%	359.6	**Jul 20, 2026**

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

Average Wind Direction 262 W

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_X$	Thermo	42IQ	Sept 15, AIC failed, manual check also failed, removal cal noted failing pump, replaced pump and install cal passed ok, all data from removal cal back to last good span, Sept 14 removed as suspect data (32hrs invalid, 7hrs maintenance)
O_3	TECO	S	Sept 4, 8, 29, trigger for H2S also for O3, 4hrs maintenance
$PM_{2.5}$	API	T640	No operational issues noted during the month; no readings above AAAQG or AAAQO
SO_2	TEI	43I-TLE	Sept 15, work on other analyzers resulted in 3hrs maintenance for SO2
H_2S	TEI	450i	Sept 4, AIC failed, removal calibration, as found failed, all data from Sept 3 AIC removed (32hrs), spare unit installed (API T100 sn7317) perm tubes transferred; Sept 6-8, AIC running at 25hr interval, Sept 8, onsite to adjust and 5hrs maintenance; Sept 11, AIC failed on Sept 10, onsite to check, noted as new instrument and settling in, 4hrs maintenance removed, no additional data removed; Sept 15, every day from Sept 12 to 17 failed AIC, which continues to drift up until span target changed on Sept 17
Met Equip	MetOne	50.5	No operational issues noted during the month

1.7 Happy Valley Air Monitoring Station

PAZA - September 2026 Happy Valley Station Report

	September			30min / 1-hour				24-hour			Exceedance				Calibration
Parameter	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date
NO (ppb)	0.3	0.0	94.6%	99.6%	7.0	-	Sep-06 08:00	1.2	-	Sep-06	-	-	-	-	Sep 29, 2026
NO_2 (ppb)	1.6	0.3	94.6%	99.6%	8.1	159	Sep-24 19:00	3.1	-	Sep-21	0	-	-	-	Sep 29, 2026
NO_X (ppb)	2.0	0.3	94.6%	99.6%	10.3	-	Sep-06 08:00	3.6	-	Sep-21	-	-	-	-	Sep 29, 2026
O_3 (ppb)	23.1	0.7	94.9%	99.6%	44.0	76	Sep-02 16:00	30.7	-	Sep-28	0	-	-	-	Sep 29, 2026
$PM_{2.5}$ (µg/m³)	3.5	0.2	99.2%	99.6%	31.4	80	Sep-18 20:00	10.1	29	Sep-02	0	-	0	-	Sep 29, 2026
SO_2 (ppb)	0.4	0.0	94.9%	99.6%	11.5	172	Sep-19 12:00	1.4	48	Sep-07	0	-	0	0	Sep 29, 2026
TRS (ppb)	0.5	0.2	94.9%	99.6%	3.1	5	Sep-15 19:30	0.8	-	Sep-01	0	-	-	-	Sep 29, 2026
CH4 (ppm)	2.1	1.9	94.9%	99.6%	3.0	-	Sep-06 08:00	2.2	-	Sep-06	-	-	-	-	Sep 29, 2026
THC (ppm)	2.1	1.9	94.9%	99.6%	4.4	-	Sep-06 08:00	2.2	-	Sep-06	-	-	-	-	Sep 29, 2026
NMHC (ppm)	0.0	0.0	94.9%	99.6%	1.4	-	Sep-06 08:00	0.1	-	Sep-06	-	-	-	-	Sep 29, 2026

	Average	Minimum	Valid	Operational	Maximum
Temp (°C)	11.1	0.0	100.0%	100.0%	24.3
WS (km/hr)	10.4	0.6	99.7%	99.7%	40.8
WD (deg)	258	2.1	99.7%	99.7%	359.3

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

Average Wind Direction 258 WSW

Update Summary:

Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_X$	TEI	42i	Sept 12, excessive drift, 3hrs removed
O_3	TEI	49I	Sept 12, excessive drift, 3hrs removed
$PM_{2.5}$	API	T640	Sept 12, excessive drift, 3hrs removed; no readings above AAAQG or AAAQO
SO_2	TEI	43I	Sept 12, excessive drift, 3hrs removed
TRS	TEI	43I	Sept 12, excessive drift, 3hrs removed
$THC/CH_4/NMHC$	TEI	55i	Sept 12, excessive drift, 3hrs removed
Met Equip	MetOne	50.5	Sept 12, excessive drift, 1hr removed; Sept 26, data flatlined, 1hr removed

1.8 Milner Air Monitoring Station

PAZA - September 2026 Milner Station Report

	September			1-hour				24-hour			Exceedance				Calibration
Parameter	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date
NO (ppb)	0.4	0.0	93.9%	98.8%	5.8	-	Sep-23 12:00	1.1	-	Sep-25	-	-	-	-	Sep 16, 2026
NO_2 (ppb)	1.3	0.0	93.9%	98.8%	9.3	159	Sep-30 08:00	2.7	-	Sep-21	0	-	-	-	Sep 16, 2026
NO_X (ppb)	1.8	0.0	93.9%	98.8%	13.0	-	Sep-23 12:00	3.4	-	Sep-21	-	-	-	-	Sep 16, 2026
$PM_{2.5}$ (µg/m³)	3.1	0.1	98.6%	99.0%	13.0	80	Sep-01 17:00	7.0	29	Sep-20	0	-	0	-	Sep 16, 2026

	Average	Minimum	Valid	Operational	Maximum
WS (km/hr)	6.1	0.1	99.0%	99.0%	29.1
WD (deg)	247	0.0	99.0%	99.0%	355.5

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

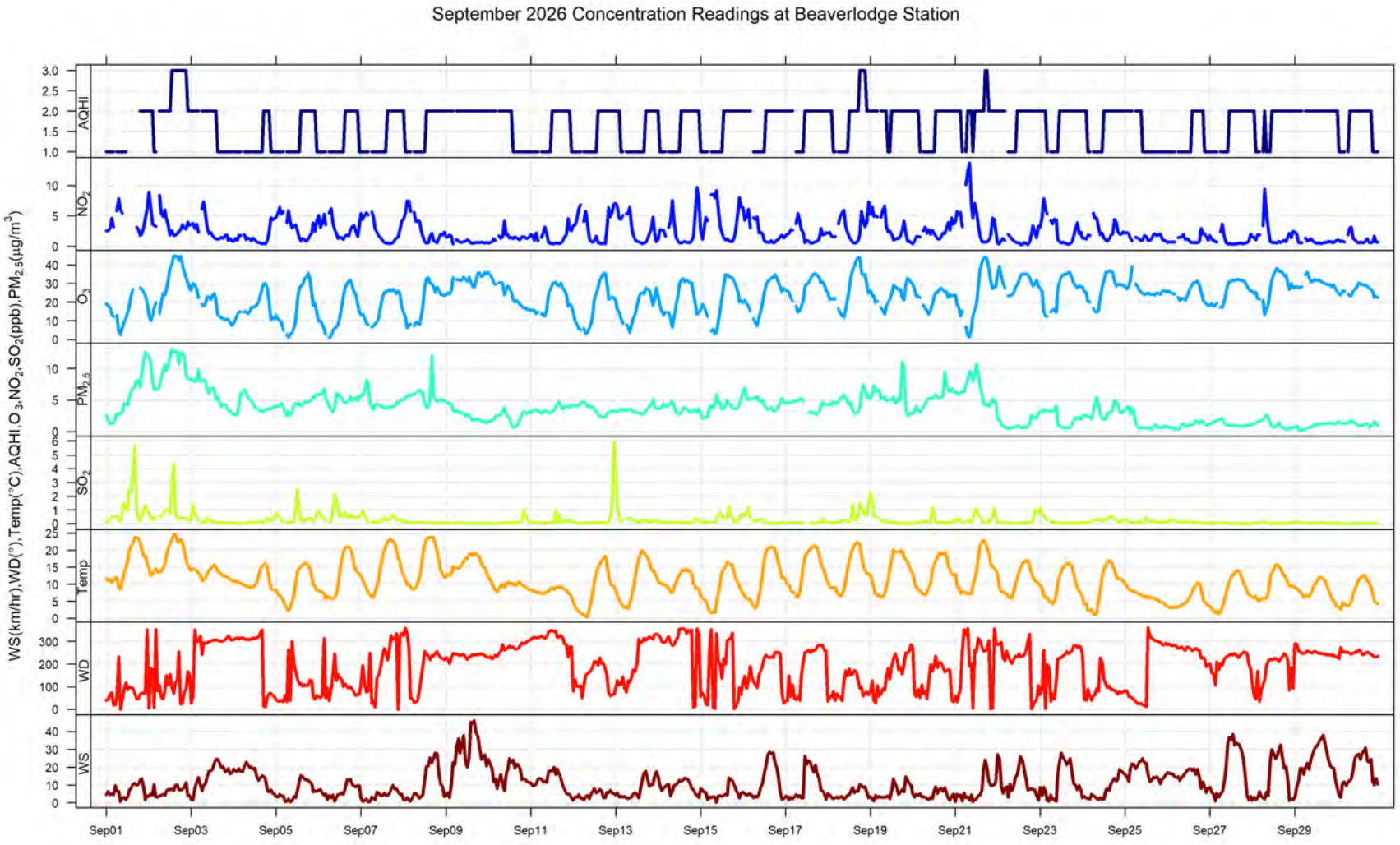
Average Wind Direction 247 WSW

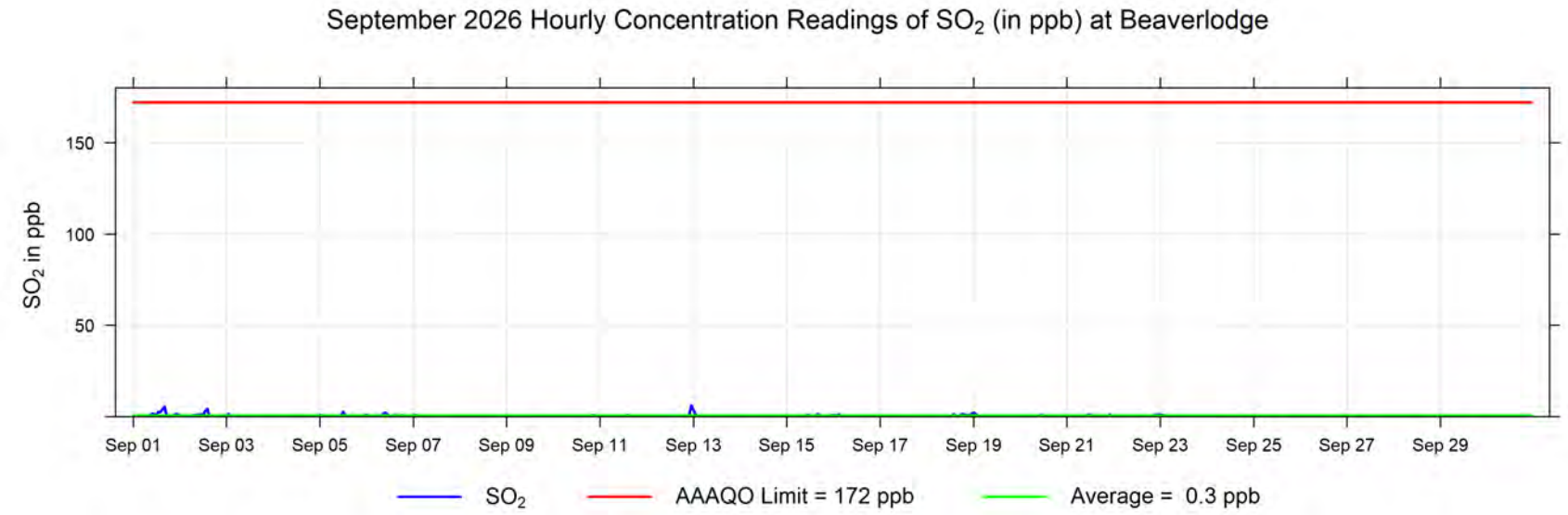
Update Summary:

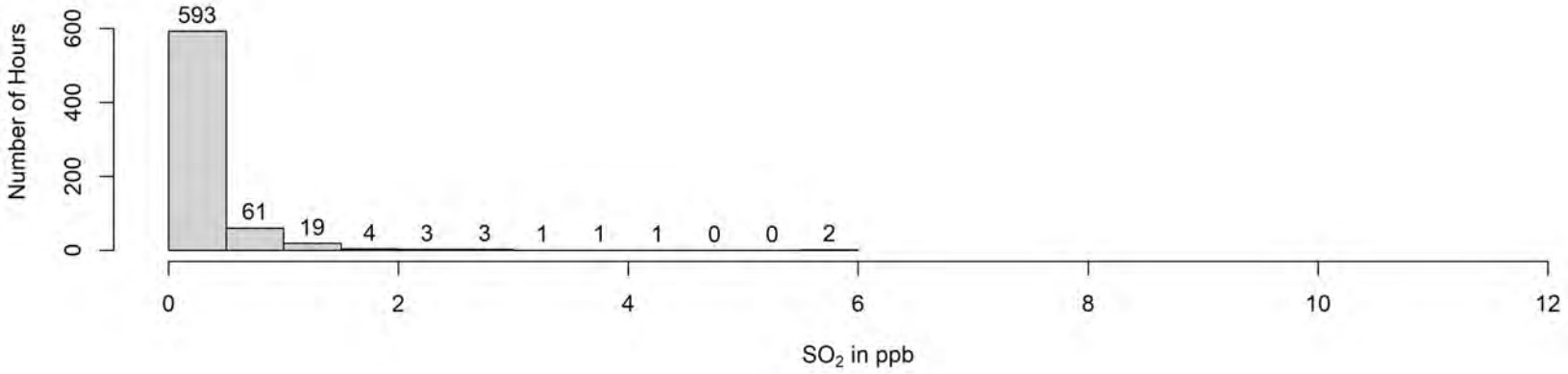
Parameter	Make	Model	Equipment summary
$NO/NO_2/NO_X$	Thermo	42i	Sept 3, data communication loss (7hrs); Sept 15-16, AIC failed to run, calibration Sept 16 site visit, as found with 4% no additional data removed, AIC reset with all runs ok till end of month
$PM_{2.5}$	API	T640	Sept 3, data communication loss (7hrs); no readings above AAAQG or AAAQO
Met Equip	MetOne	50.5	Sept 3, data communication loss (7hrs)

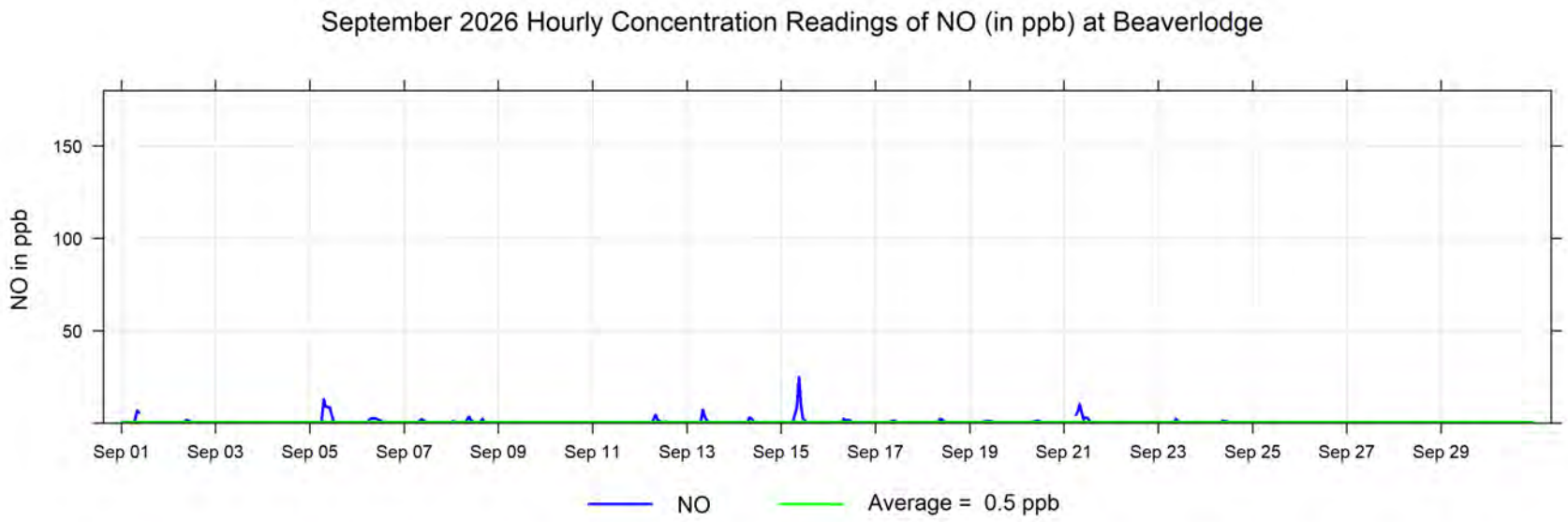
2 Beaverlodge Charts

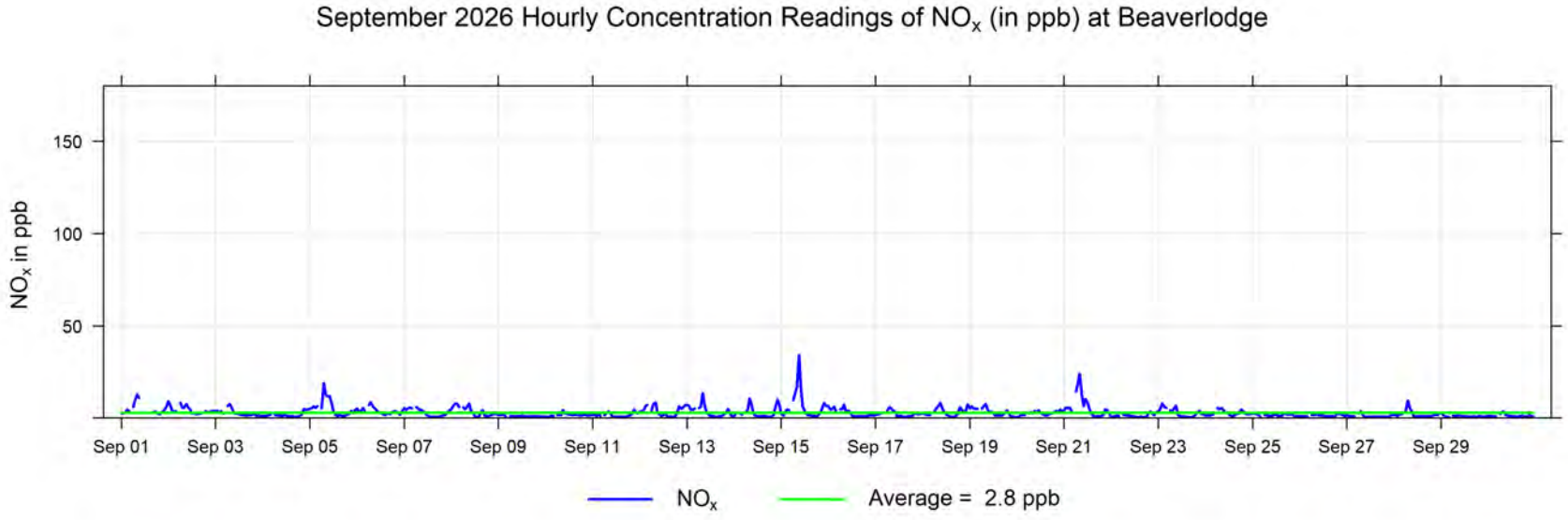
The following pages include the charts and histograms for Beaverlodge Station

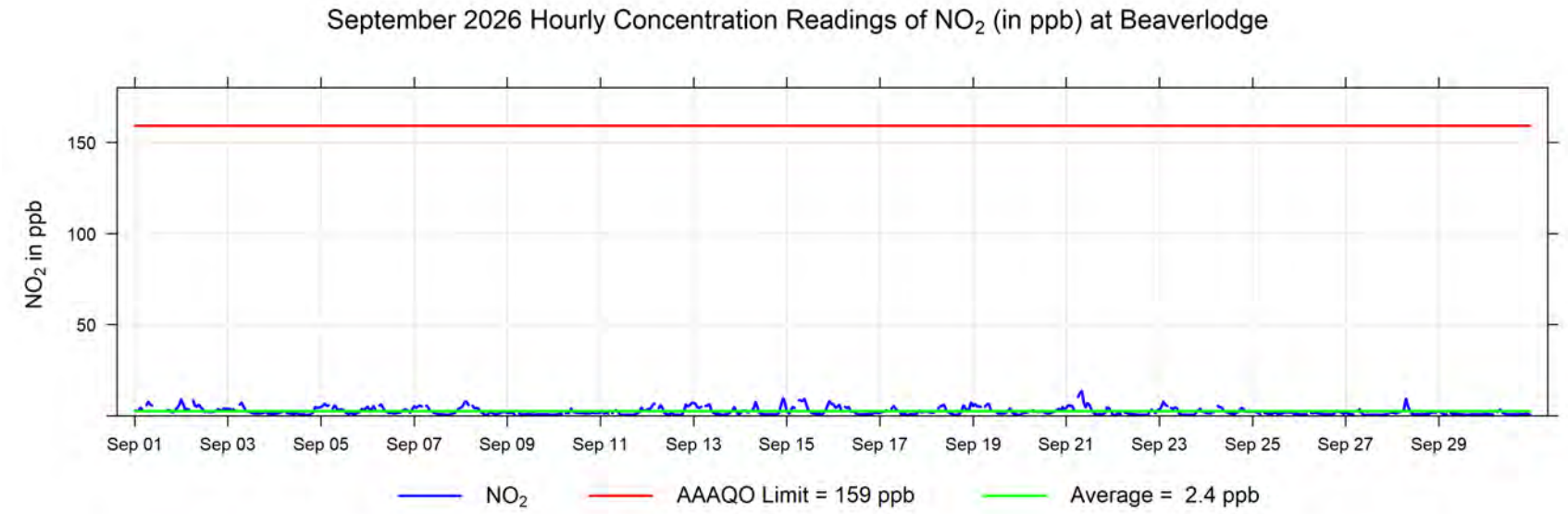


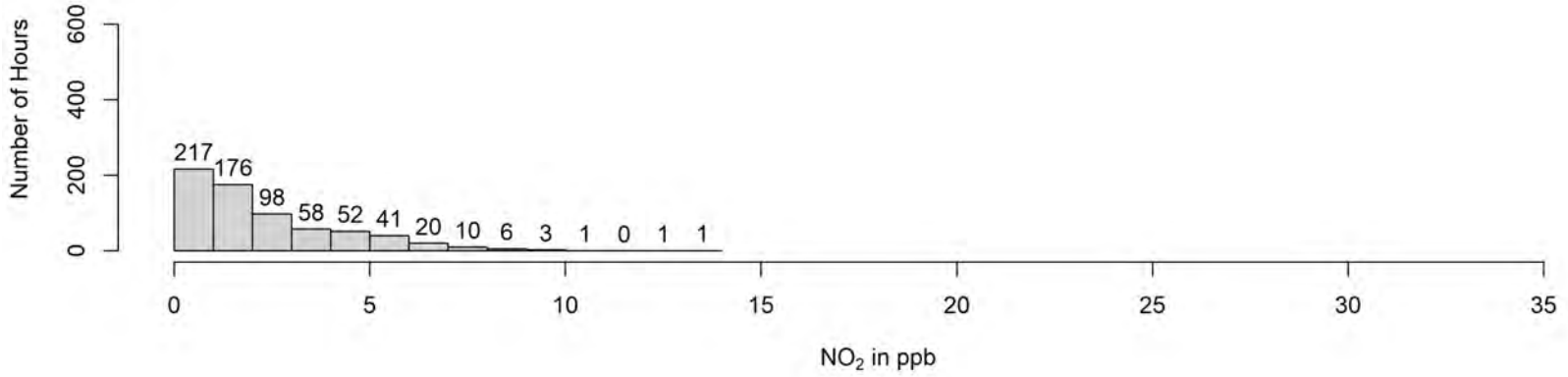

September 2026 Hourly Concentration Readings of SO2 (in ppb) at Beaverlodge
SO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO2
AAAQO Limit = 172 ppb
Average = 0.3 ppb

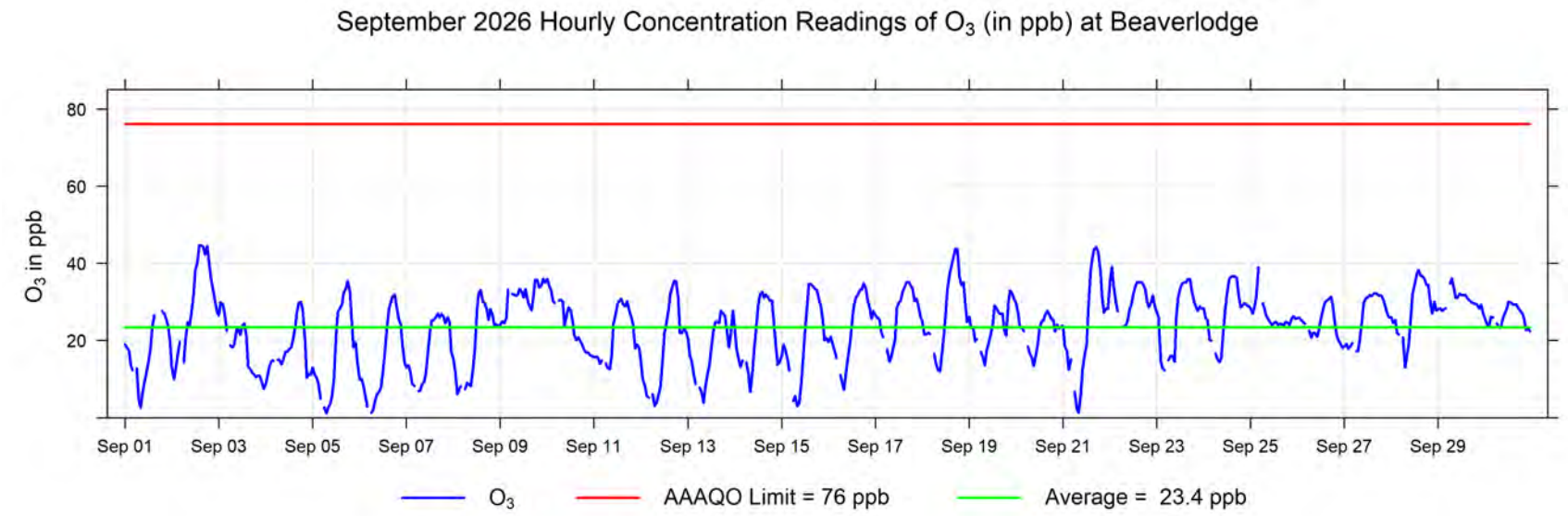

Number of Hours
0
200
400
600
593
61
19
4
3
3
1
1
1
0
0
2
0
2
4
6
8
10
12
SO2 in ppb

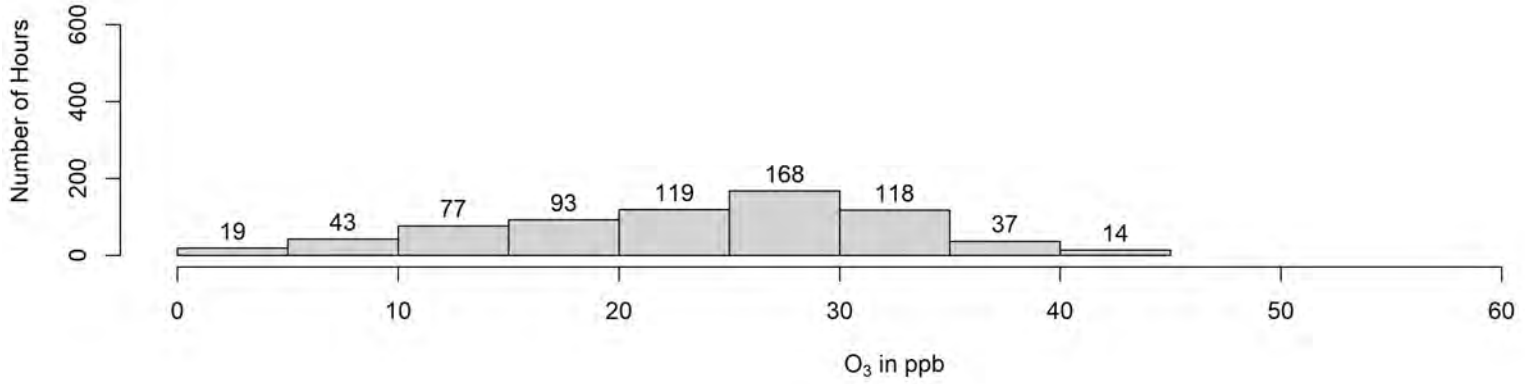

September 2026 Hourly Concentration Readings of NO (in ppb) at Beaverlodge
NO in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO
Average = 0.5 ppb

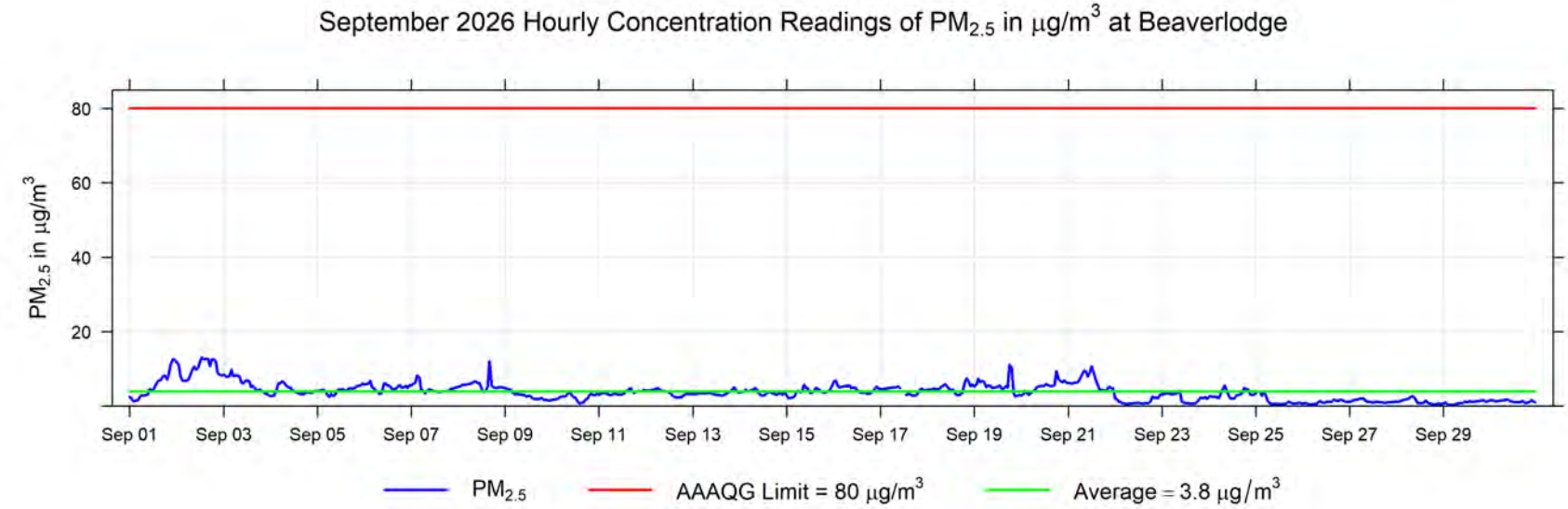

September 2026 Hourly Concentration Readings of NOx (in ppb) at Beaverlodge
NOx in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NOx
Average = 2.8 ppb

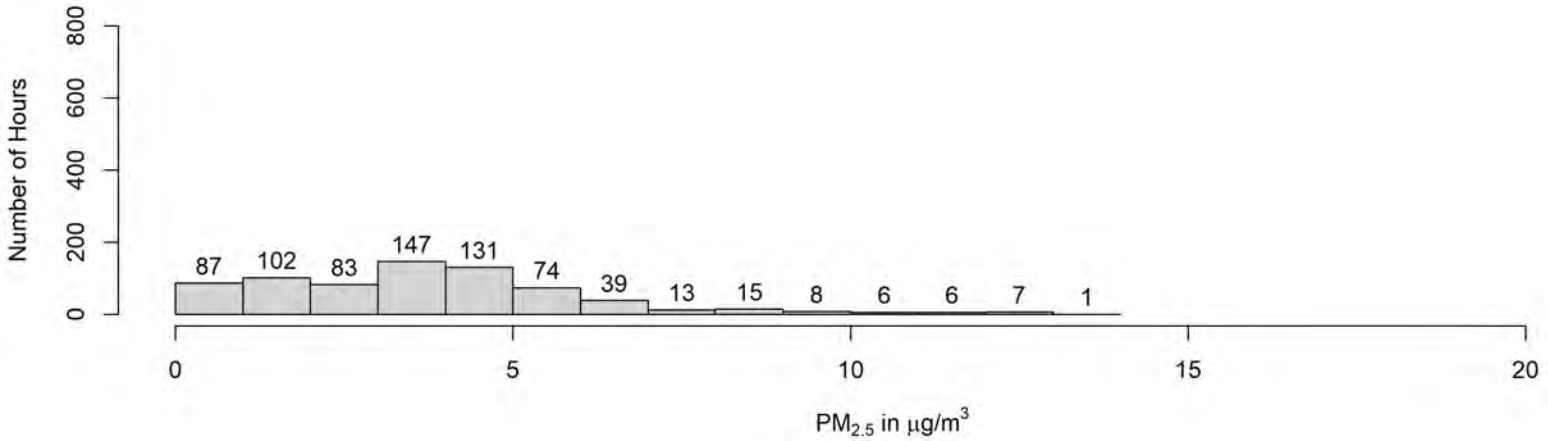

September 2026 Hourly Concentration Readings of NO2 (in ppb) at Beaverlodge
NO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO2
AAAQO Limit = 159 ppb
Average = 2.4 ppb

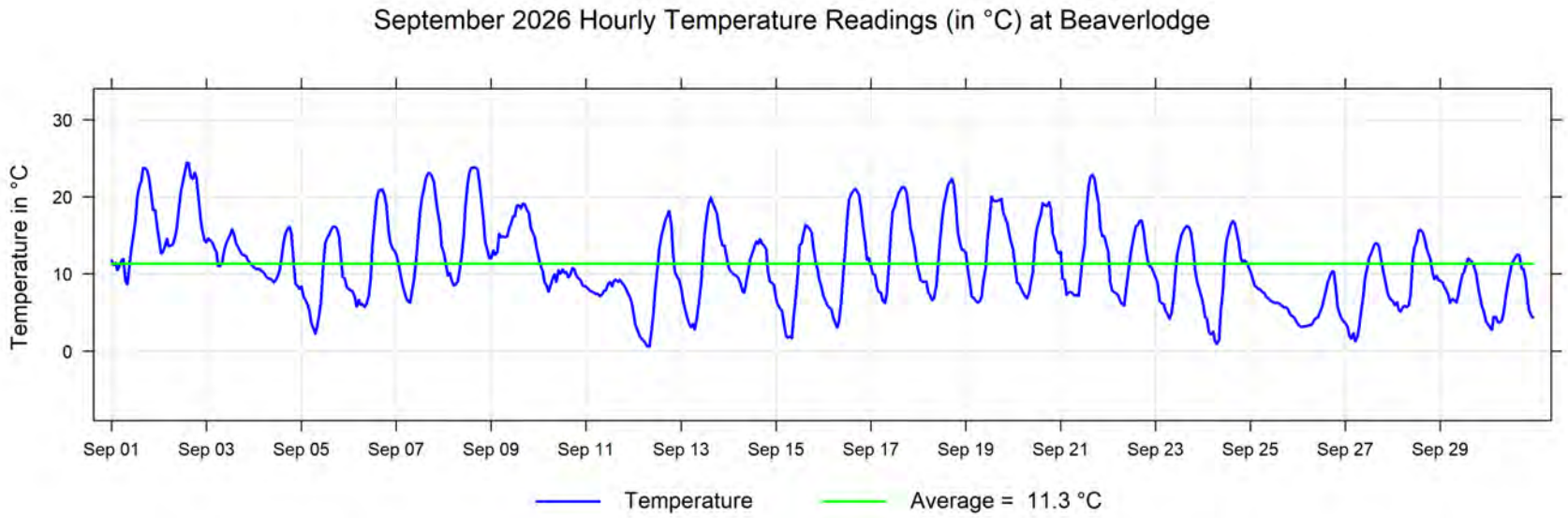

Number of Hours
0
200
400
600
217
176
98
58
52
41
20
10
6
3
1
0
1
1
0
5
10
15
20
25
30
35
NO2 in ppb

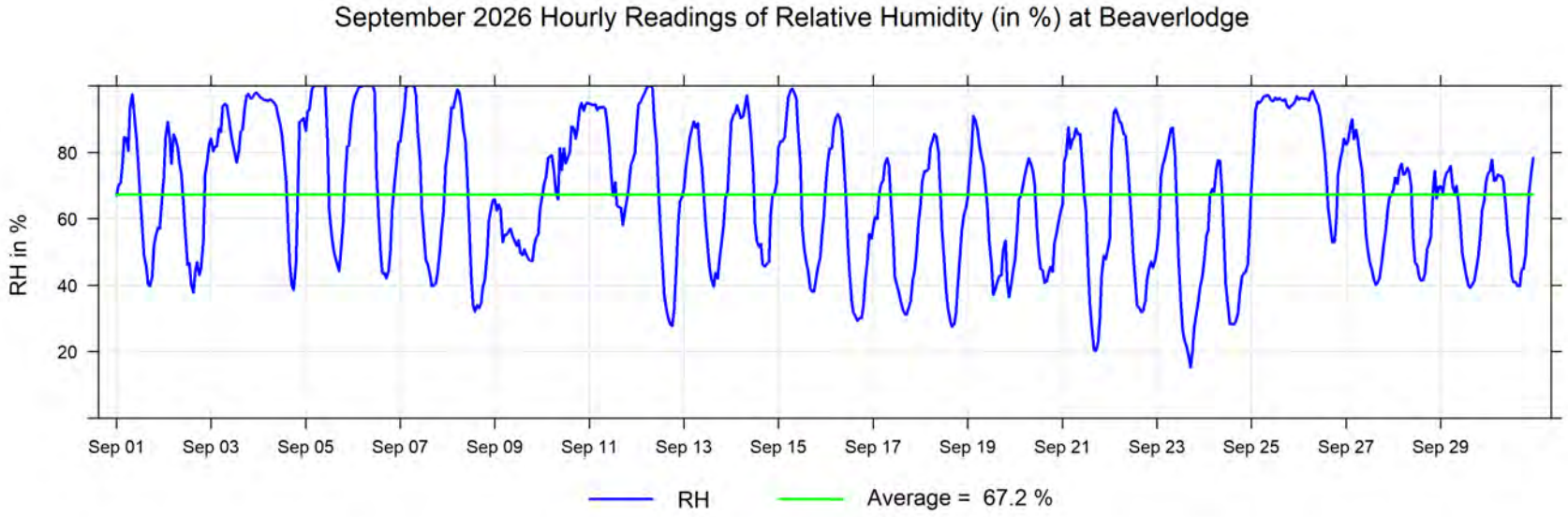

September 2026 Hourly Concentration Readings of O_3 (in ppb) at Beaverlodge
O_3 in ppb
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
O_3
AAAQO Limit = 76 ppb
Average = 23.4 ppb

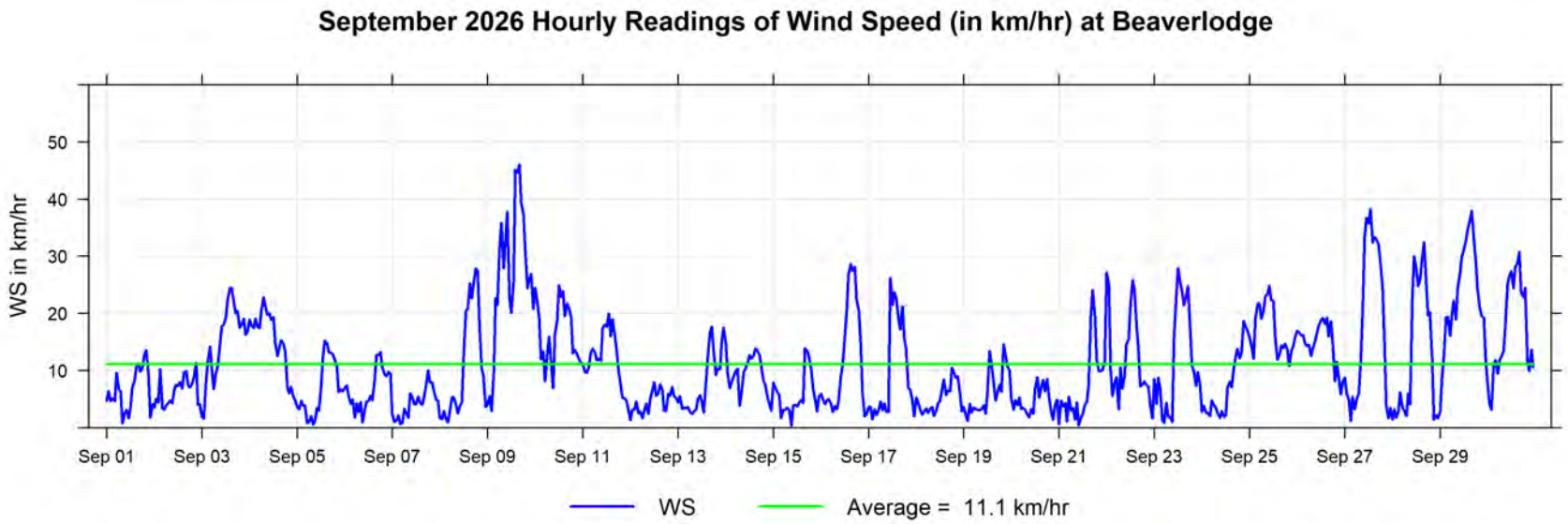

Number of Hours
0
200
400
600
19
43
77
93
119
168
118
37
14
0
10
20
30
40
50
60
O_3 in ppb

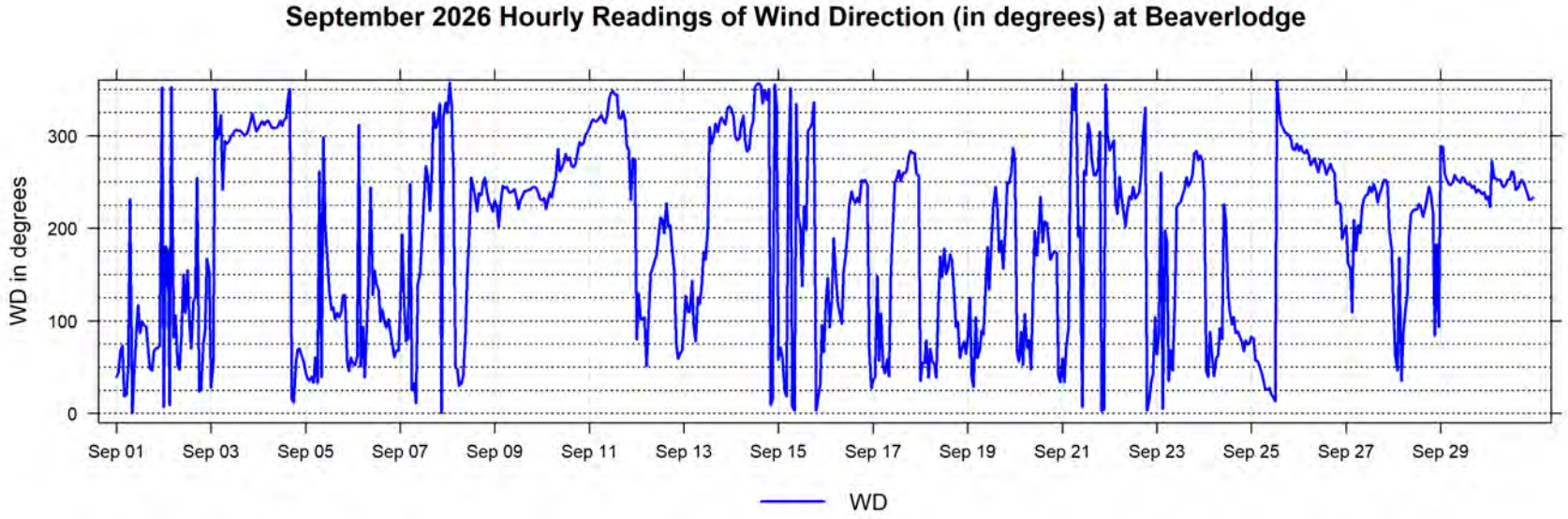

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Beaverlodge
PM2.5 in µg/m3
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 3.8 µg/m3

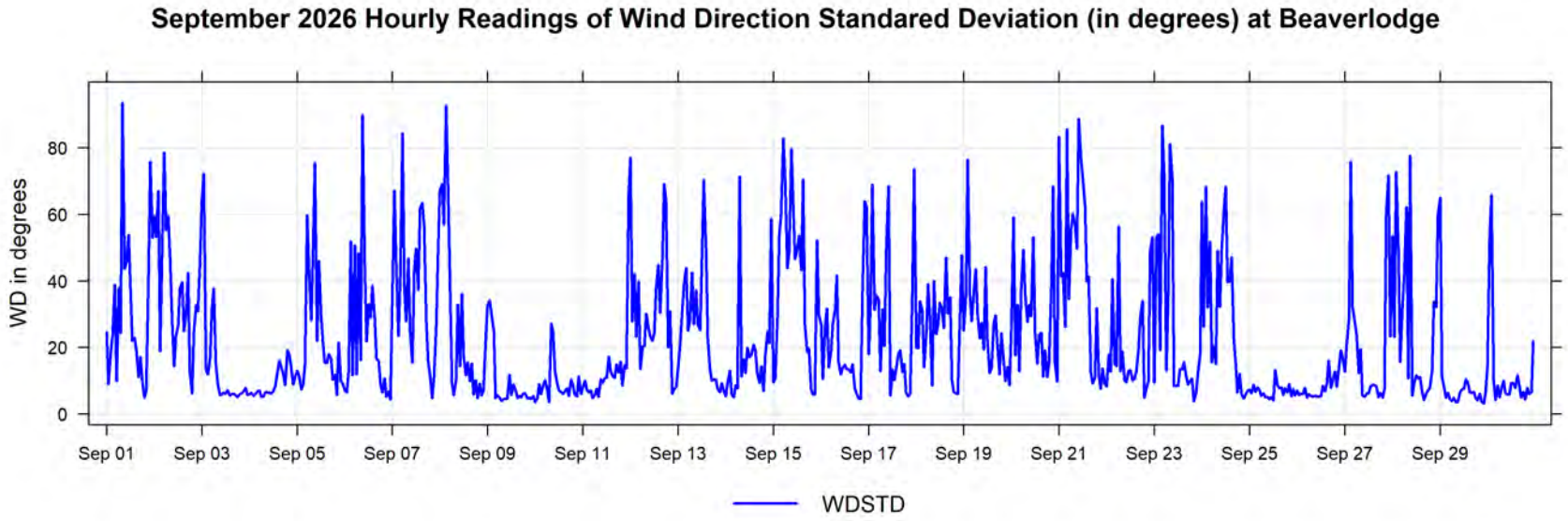

Number of Hours
0
200
400
600
800
87
102
83
147
131
74
39
13
15
8
6
6
7
1
0
5
10
15
20
PM2.5 in µg/m3

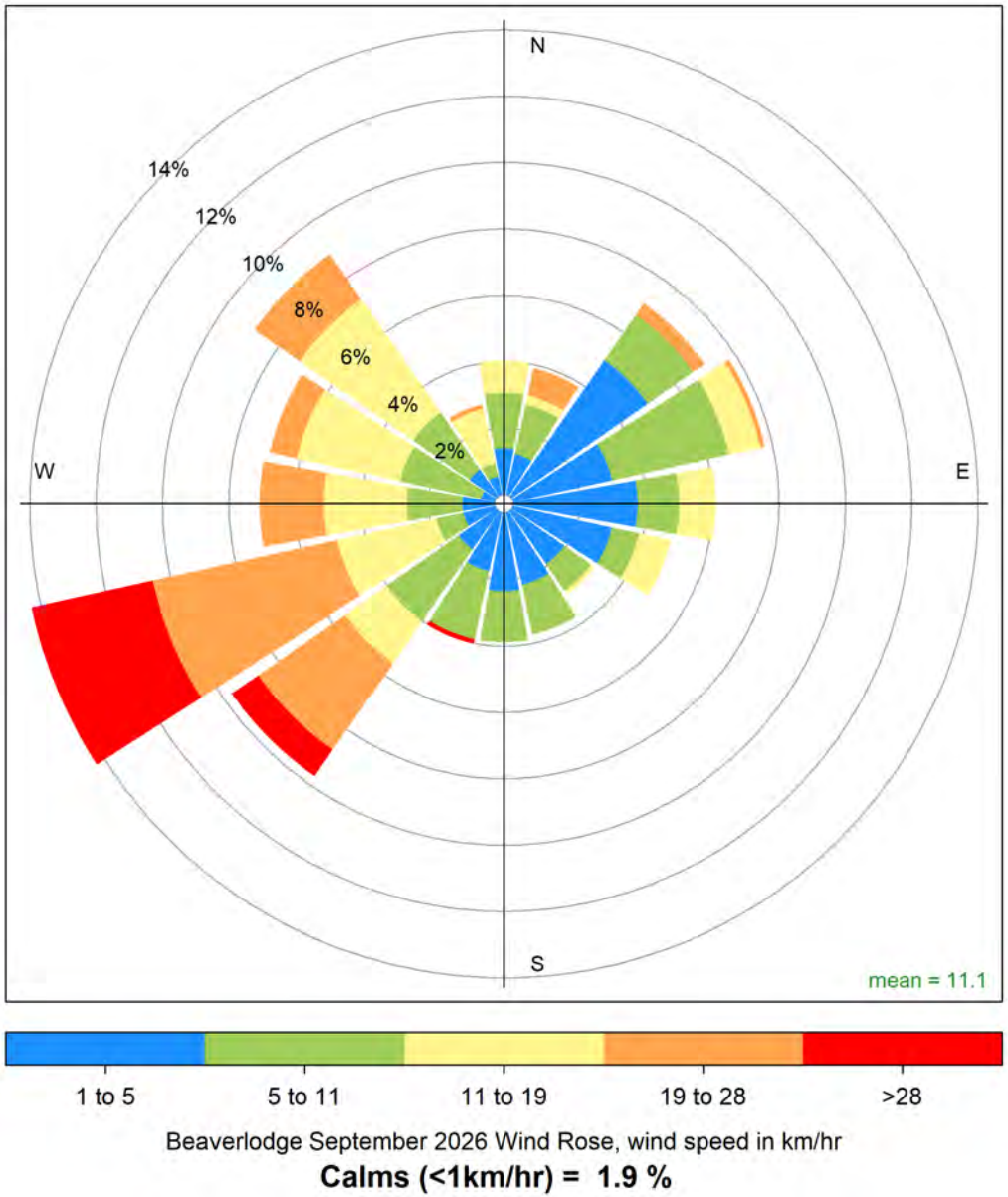

September 2026 Hourly Temperature Readings (in °C) at Beaverlodge
Temperature in °C
30
20
10
0
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 11.3 °C


September 2026 Hourly Readings of Relative Humidity (in %) at Beaverlodge
RH in %
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
RH
Average = 67.2 %


September 2026 Hourly Readings of Wind Speed (in km/hr) at Beaverlodge
WS in km/hr
50
40
30
20
10
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WS
Average = 11.1 km/hr


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


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

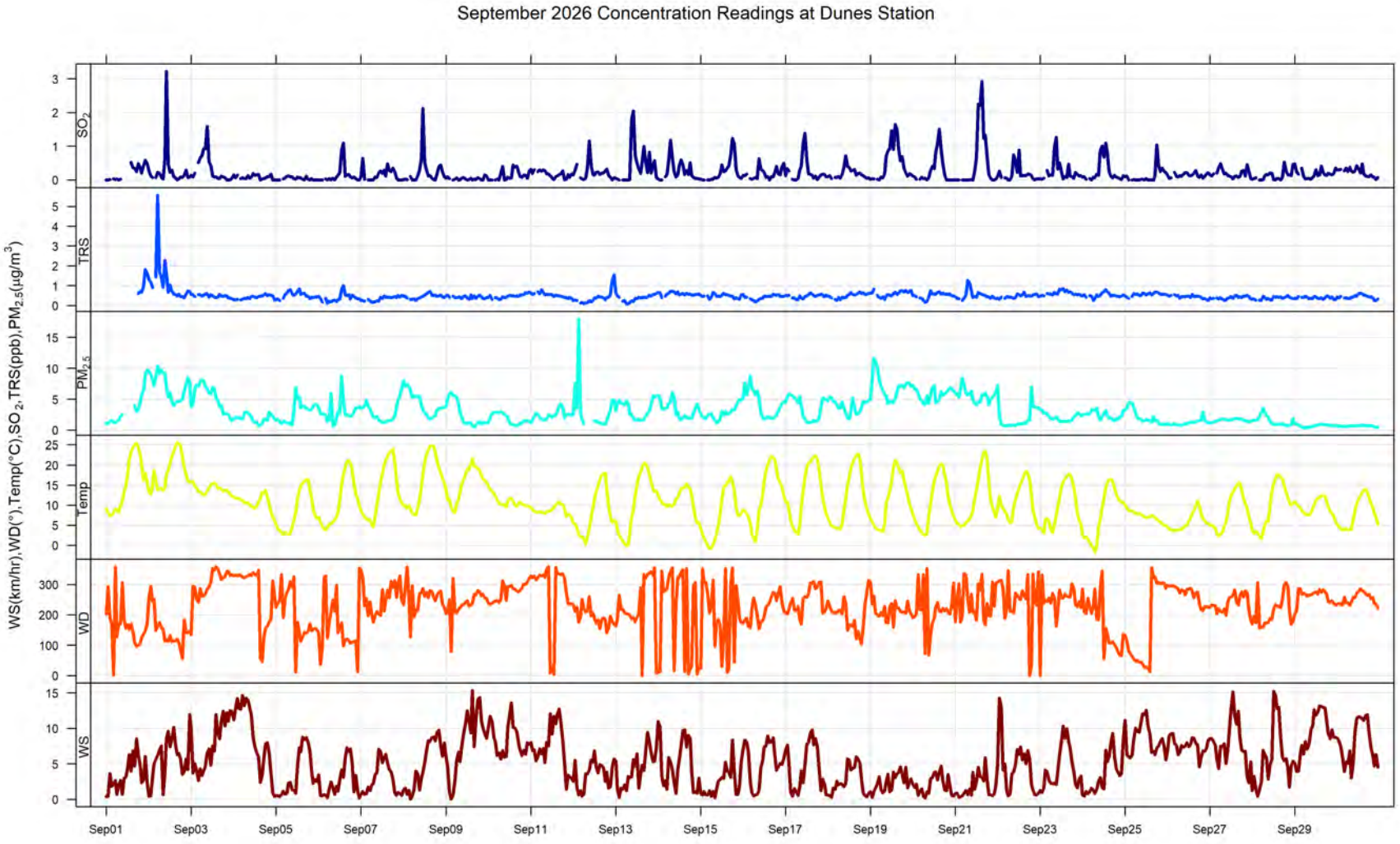


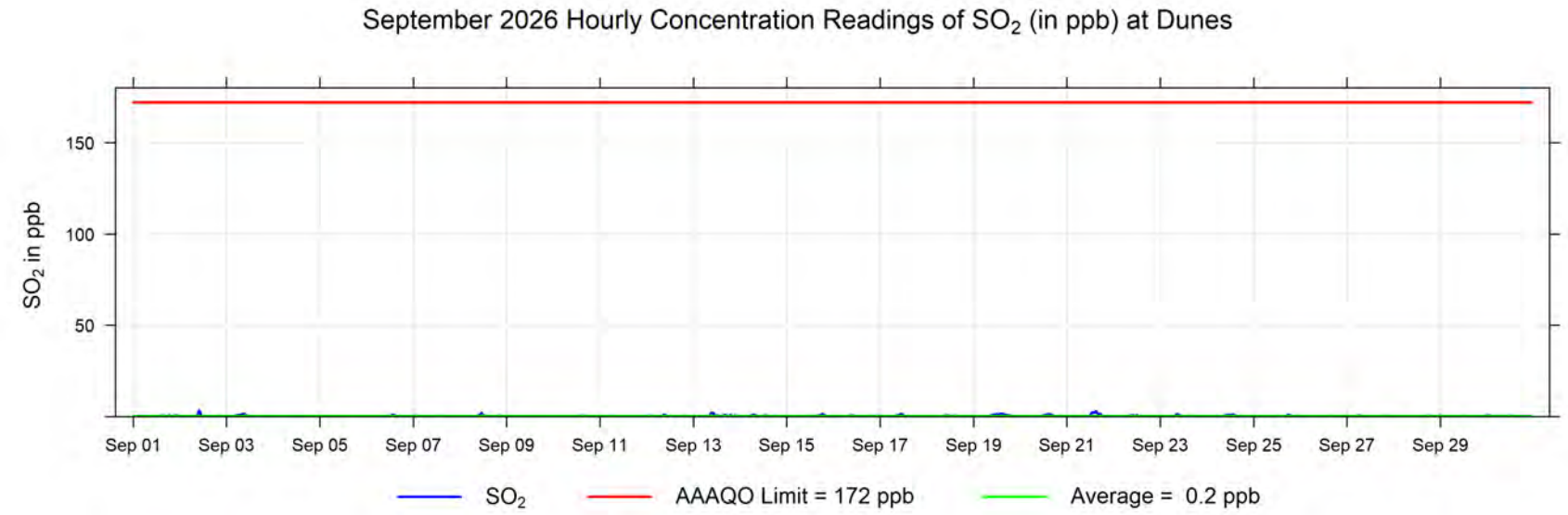
Beaverlodge September 2026 Wind Rose, wind speed in km/hr

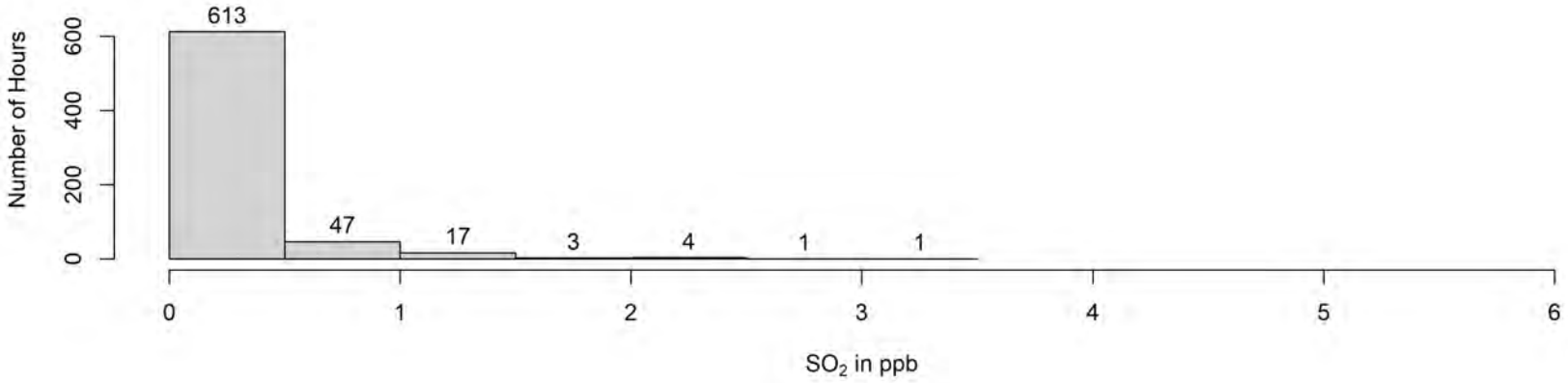
Calms (<1km/hr) = 1.9 %

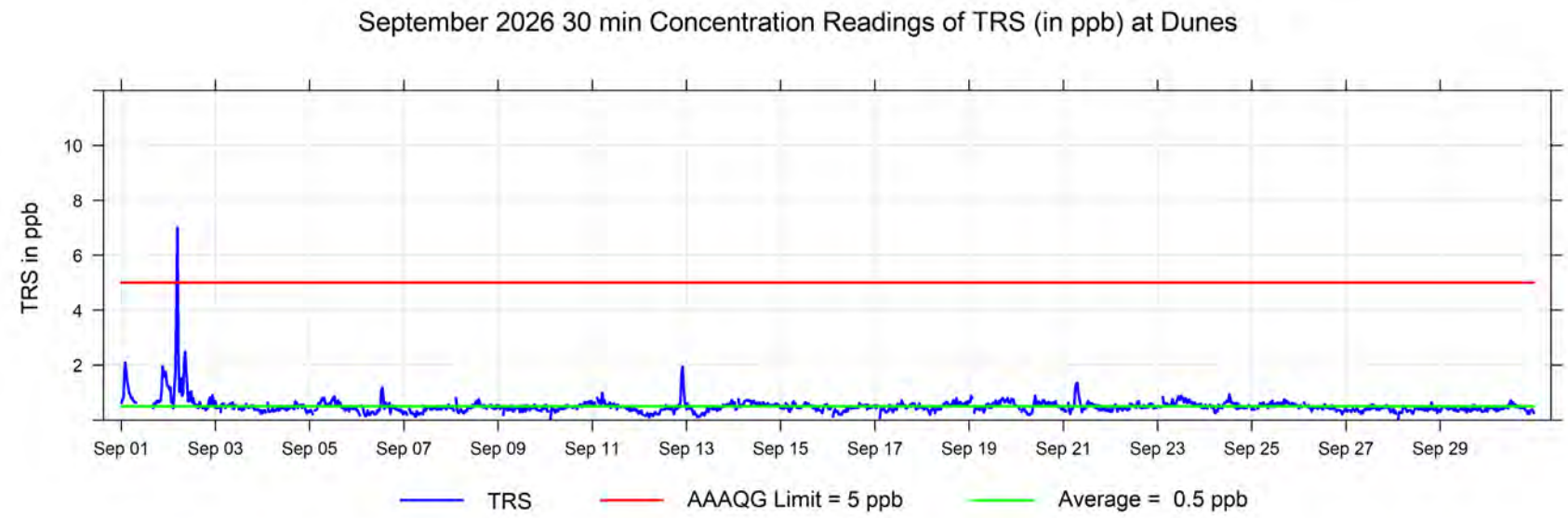
3 Dunes Charts

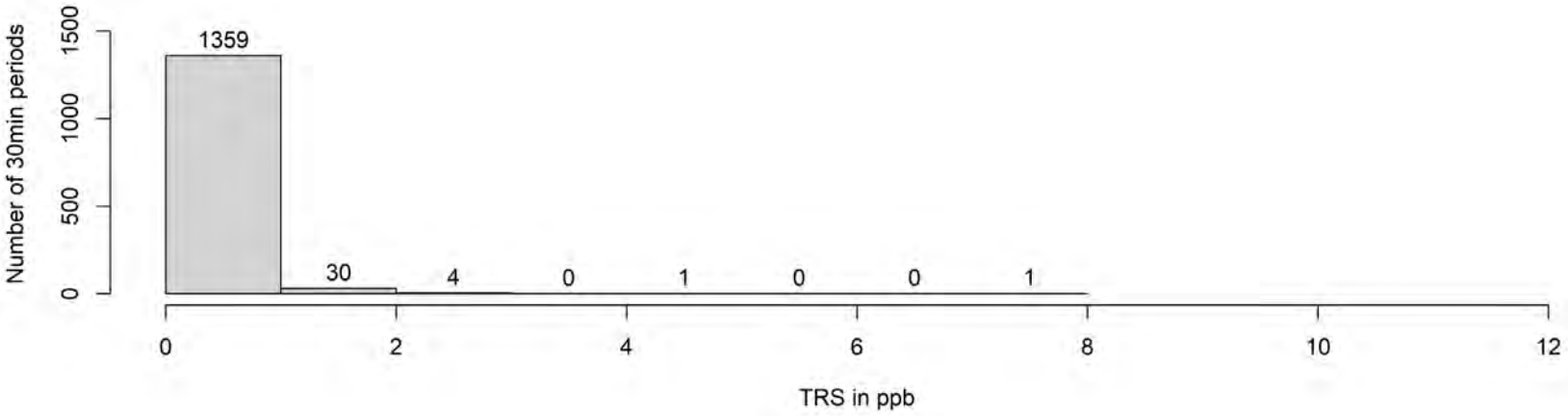
The following pages include the charts and histograms for Dunes Station

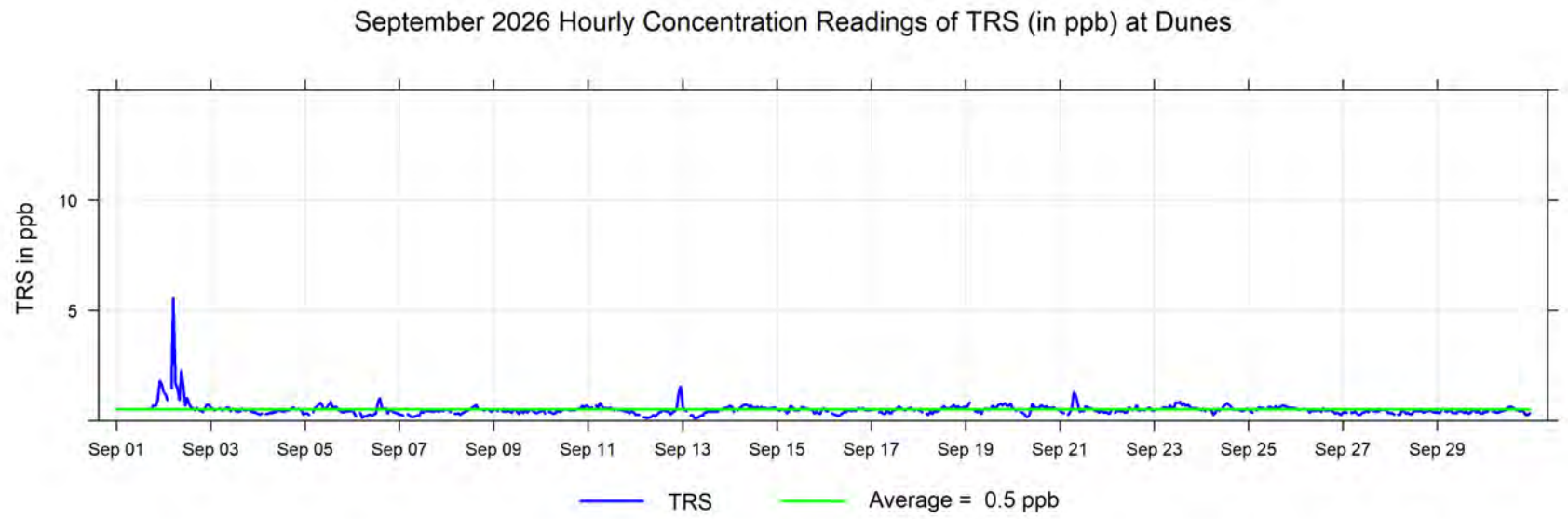


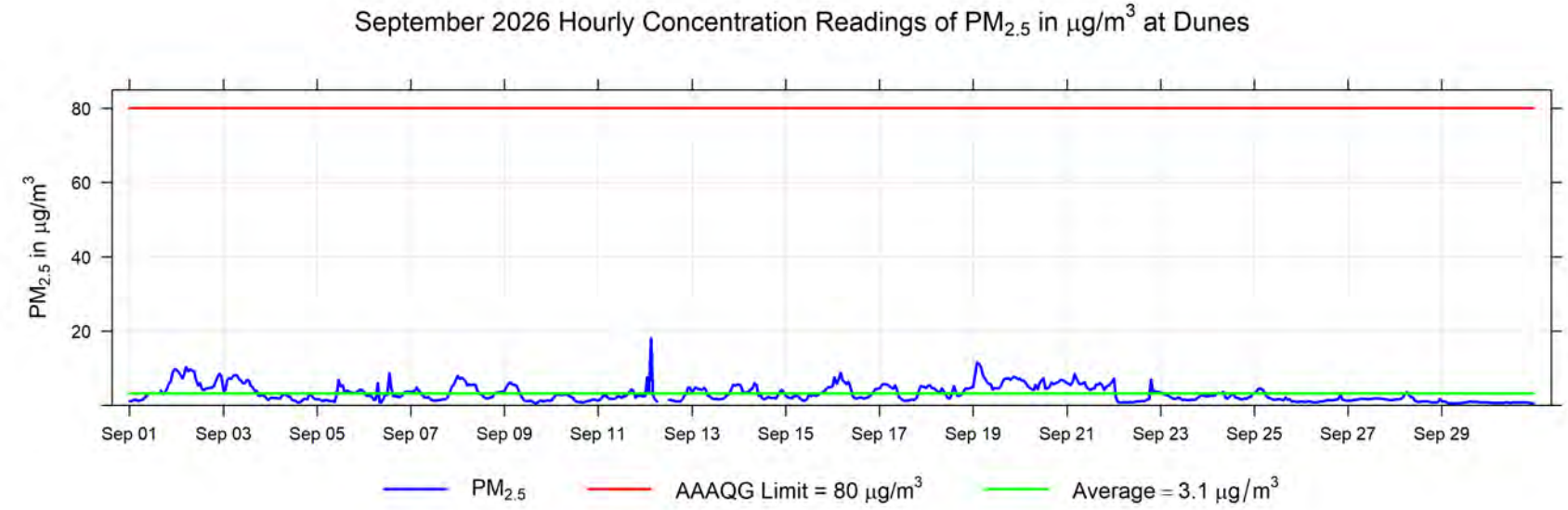

September 2026 Hourly Concentration Readings of SO_2 (in ppb) at Dunes
SO_2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO_2
AAAQO Limit = 172 ppb
Average = 0.2 ppb

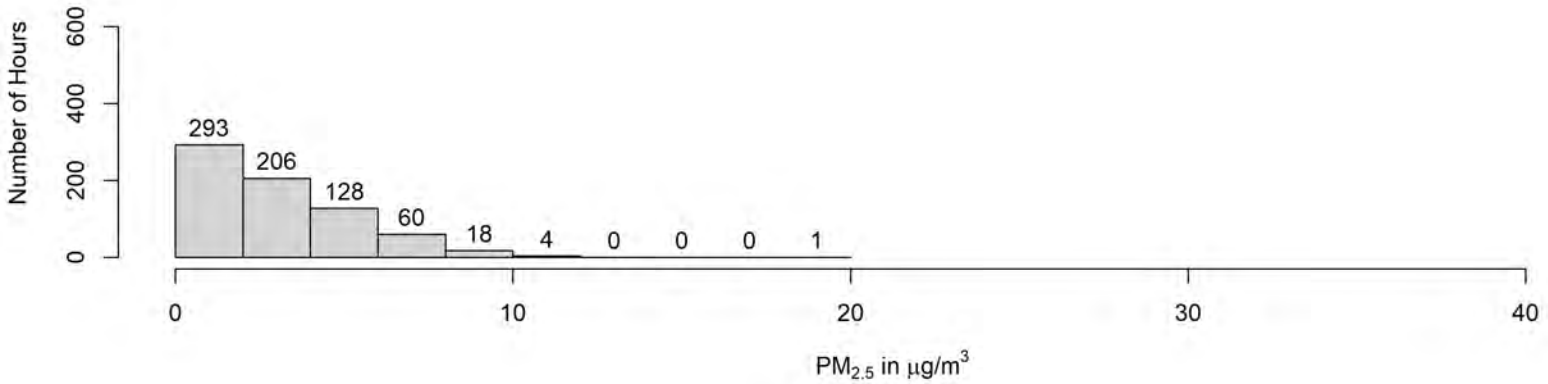

Number of Hours
0
200
400
600
613
47
17
3
4
1
1
0
1
2
3
4
5
6
SO_2 in ppb

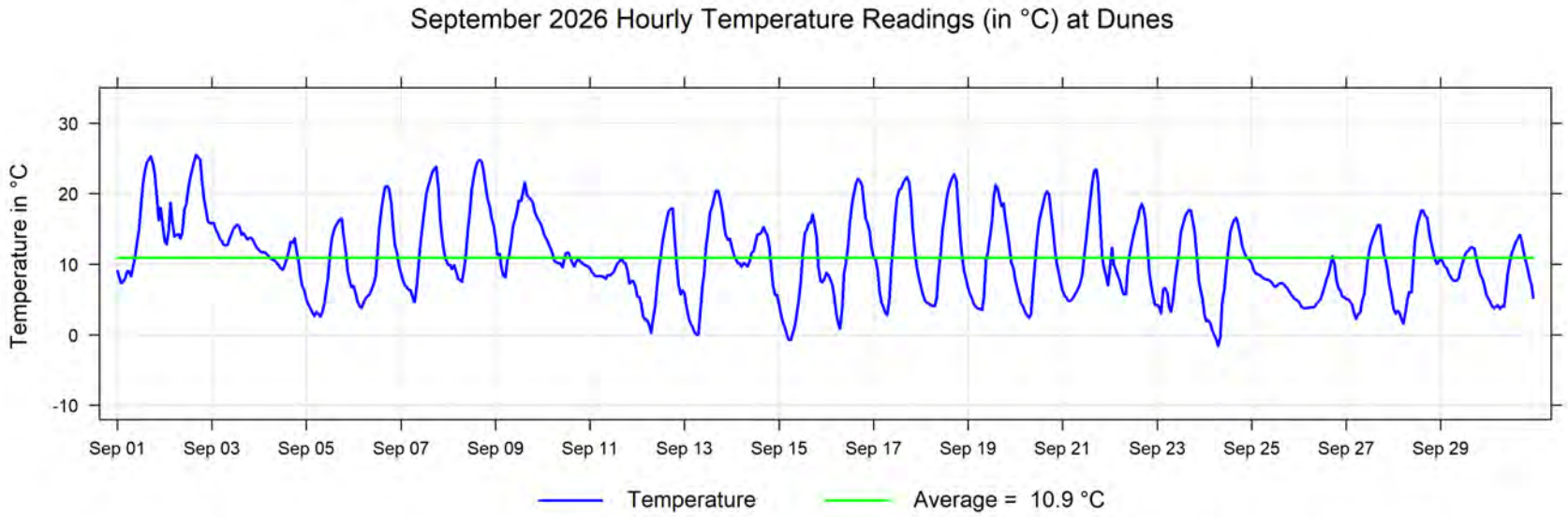

September 2026 30 min Concentration Readings of TRS (in ppb) at Dunes
TRS in ppb
10
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
TRS
AAAQG Limit = 5 ppb
Average = 0.5 ppb

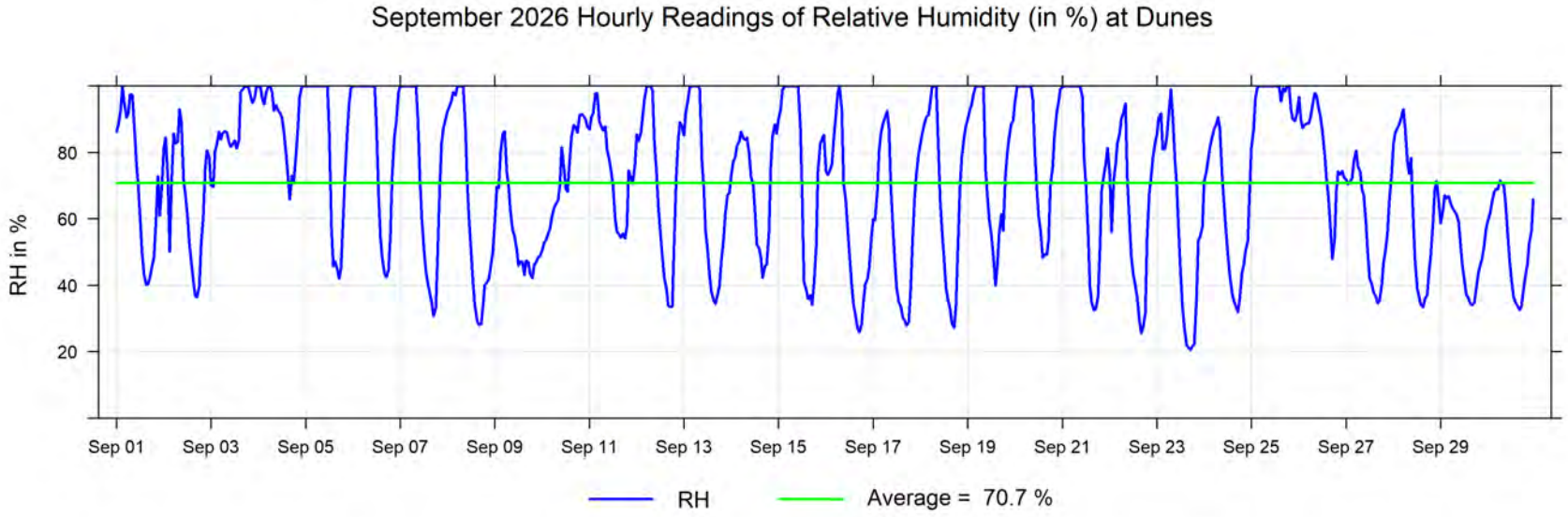

Number of 30min periods
1500
1000
500
0
1359
30
4
0
1
0
0
1
0
2
4
6
8
10
12
TRS in ppb

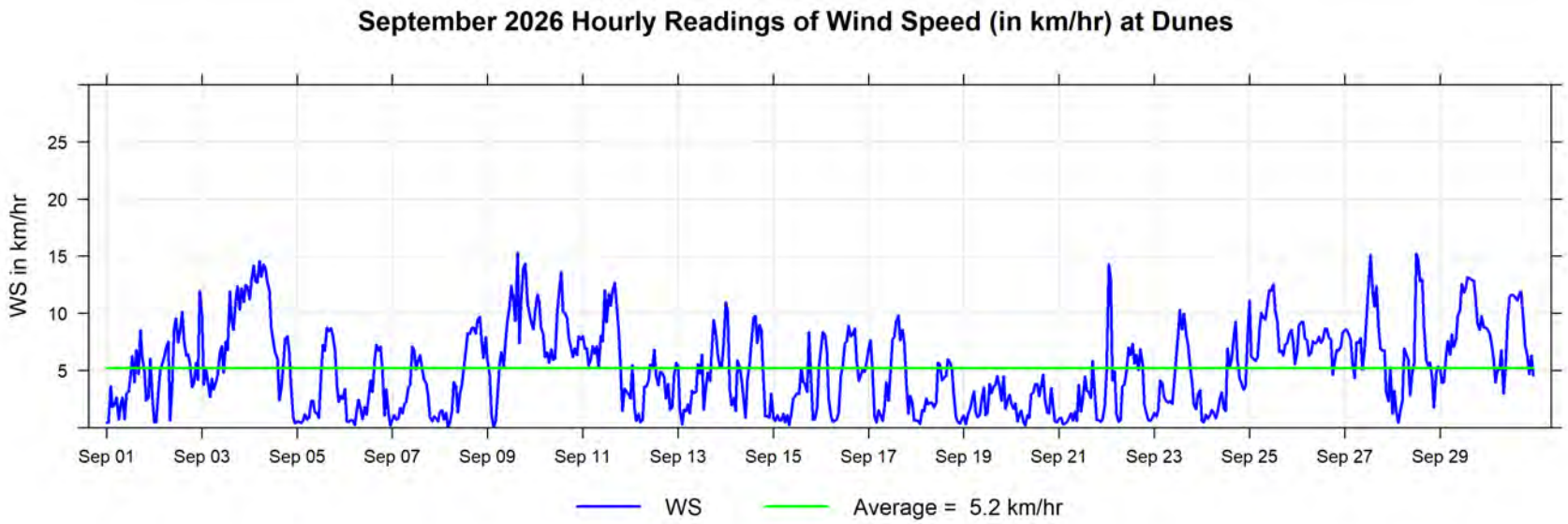

September 2026 Hourly Concentration Readings of TRS (in ppb) at Dunes
TRS in ppb
10
5
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
TRS
Average = 0.5 ppb

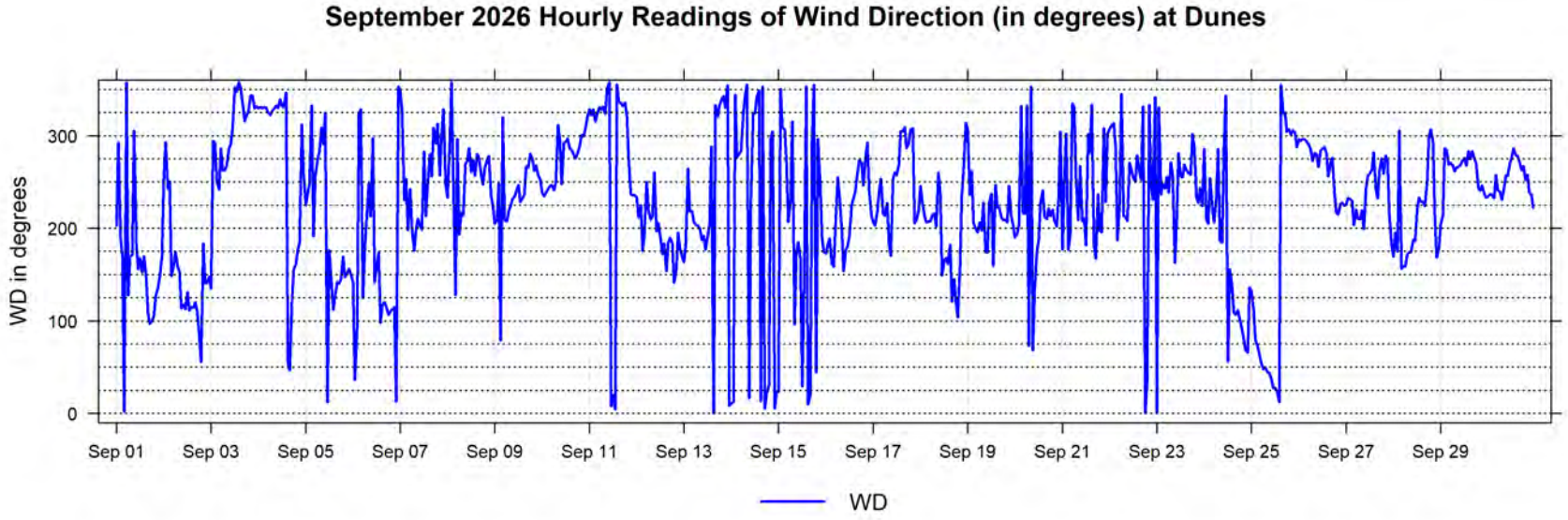

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Dunes
PM2.5 in µg/m3
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 3.1 µg/m3

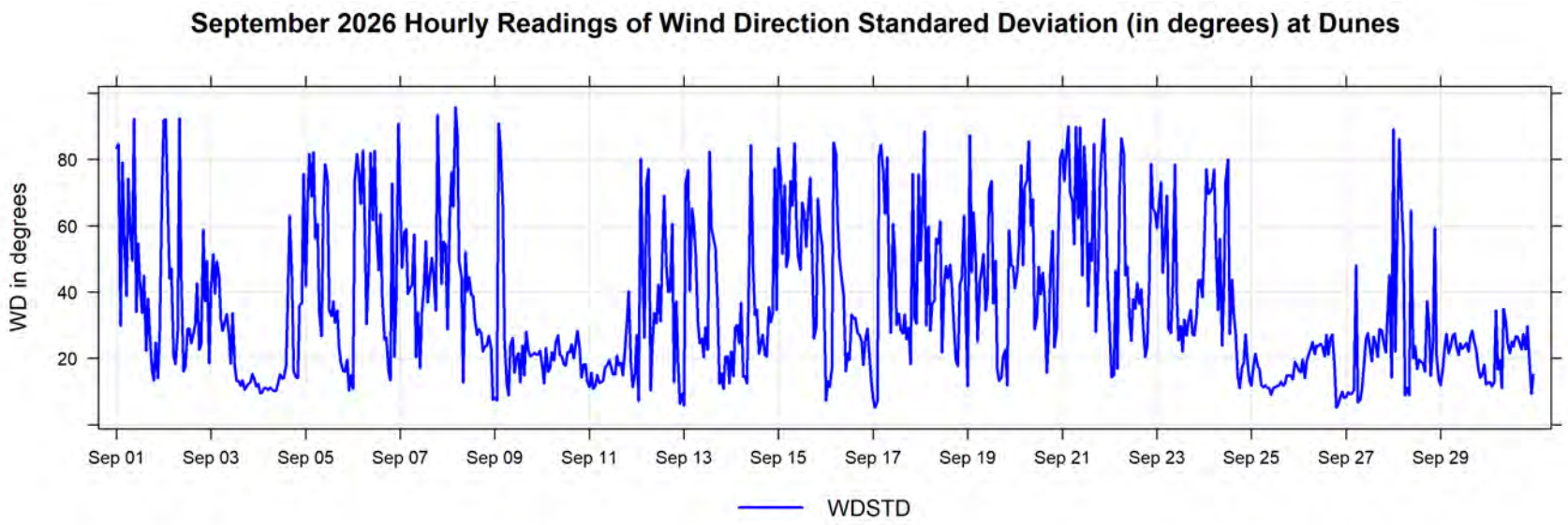

Number of Hours
0
200
400
600
293
206
128
60
18
4
0
0
0
1
0
10
20
30
40
PM2.5 in µg/m3

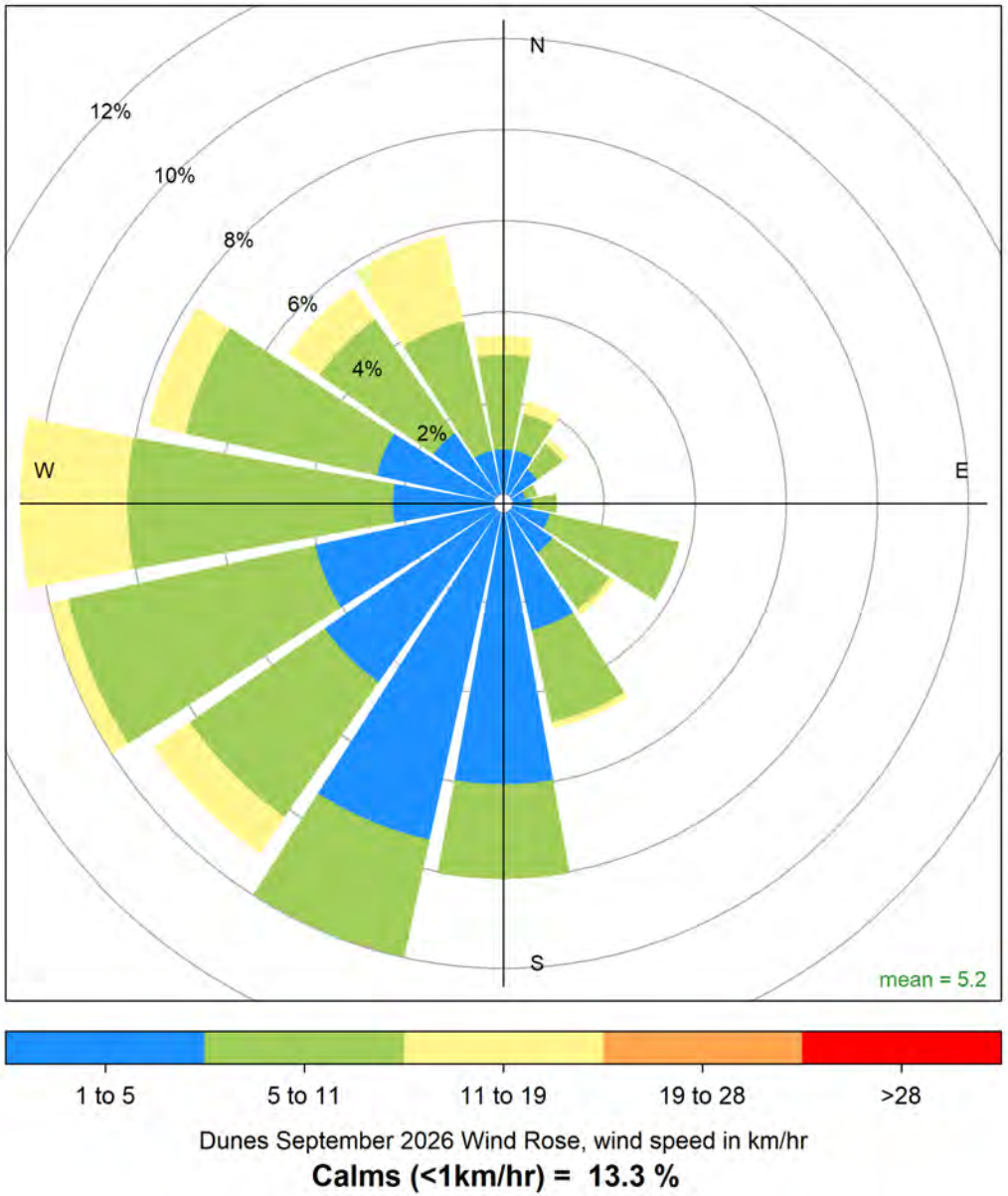

September 2026 Hourly Temperature Readings (in °C) at Dunes
Temperature in °C
30
20
10
0
-10
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 10.9 °C


September 2026 Hourly Readings of Relative Humidity (in %) at Dunes
RH in %
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
RH
Average = 70.7 %


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


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

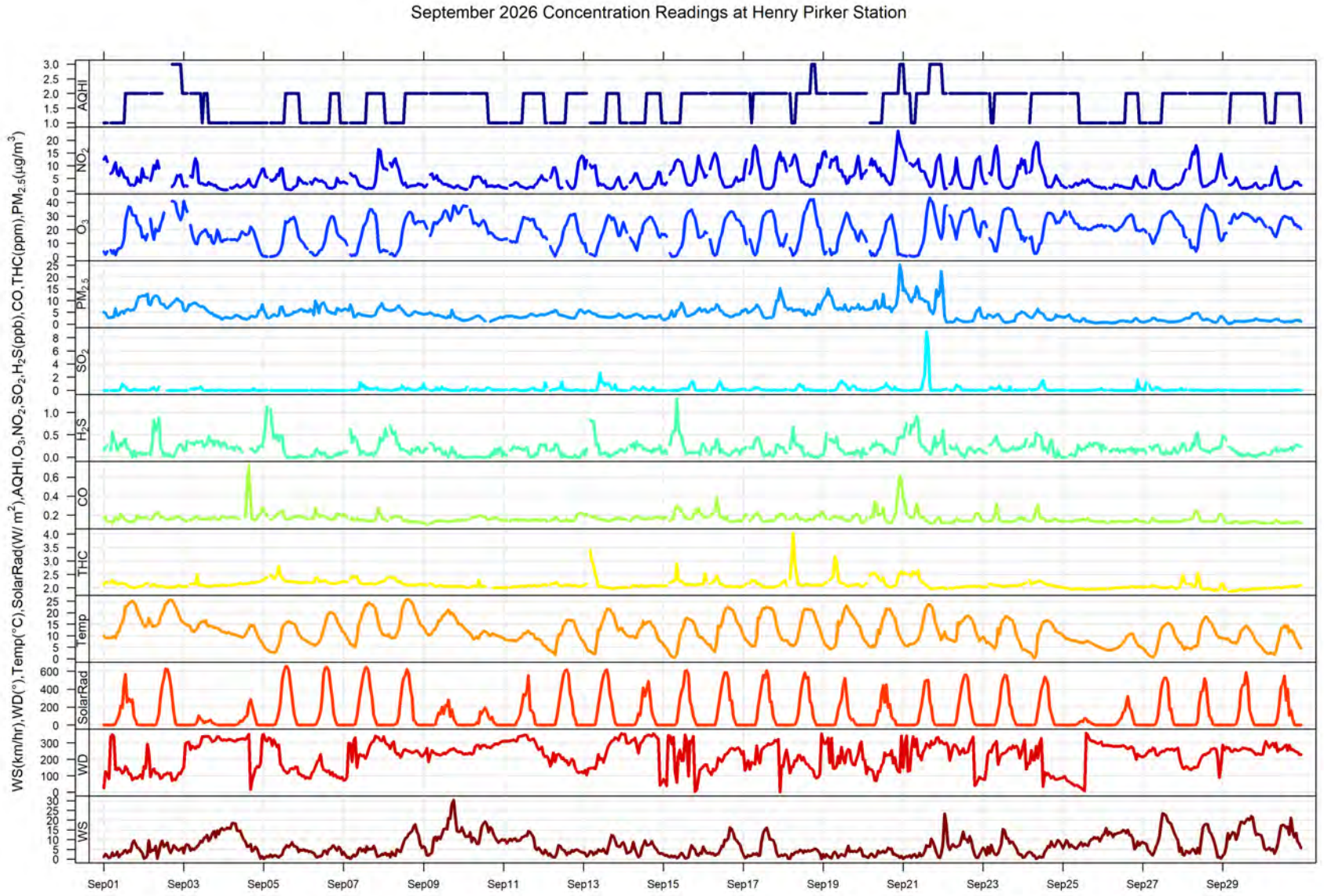

September 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Dunes
WD in degrees
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WDSTD

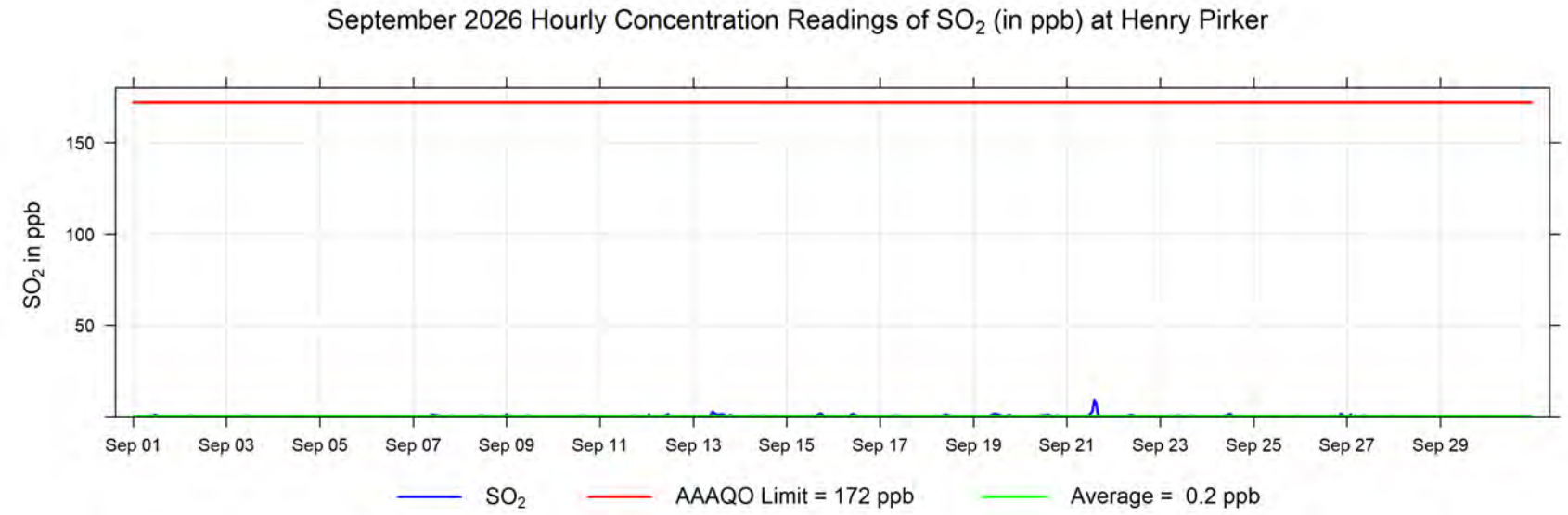


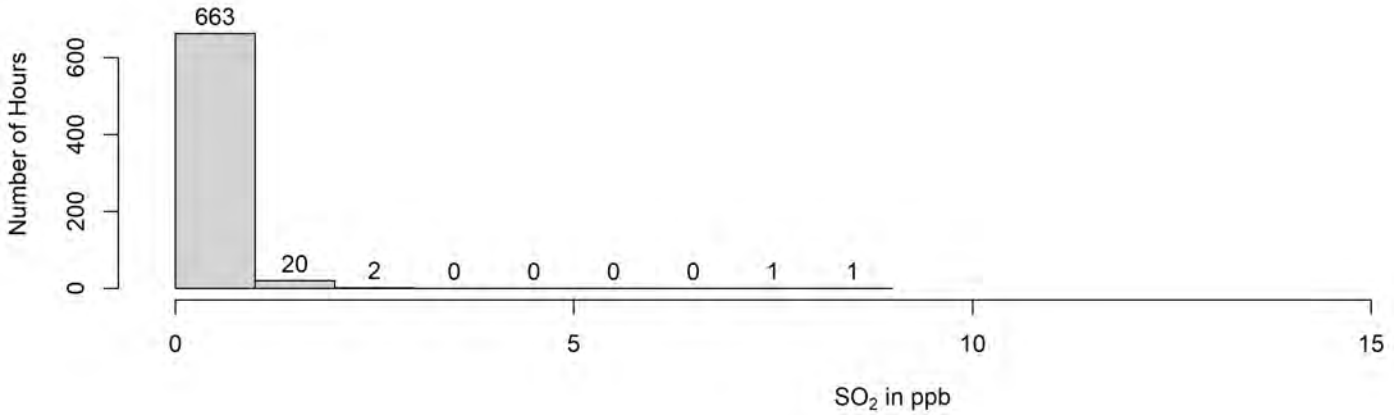
Dunes September 2026 Wind Rose, wind speed in km/hr

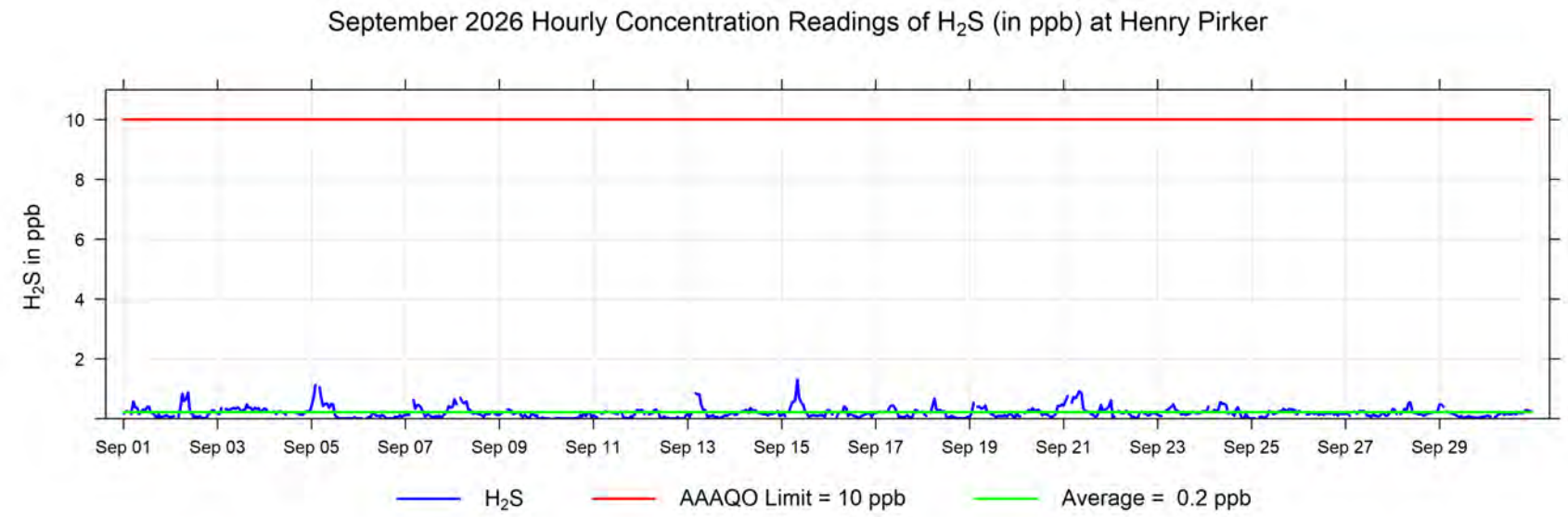
Calms (<1km/hr) = 13.3 %

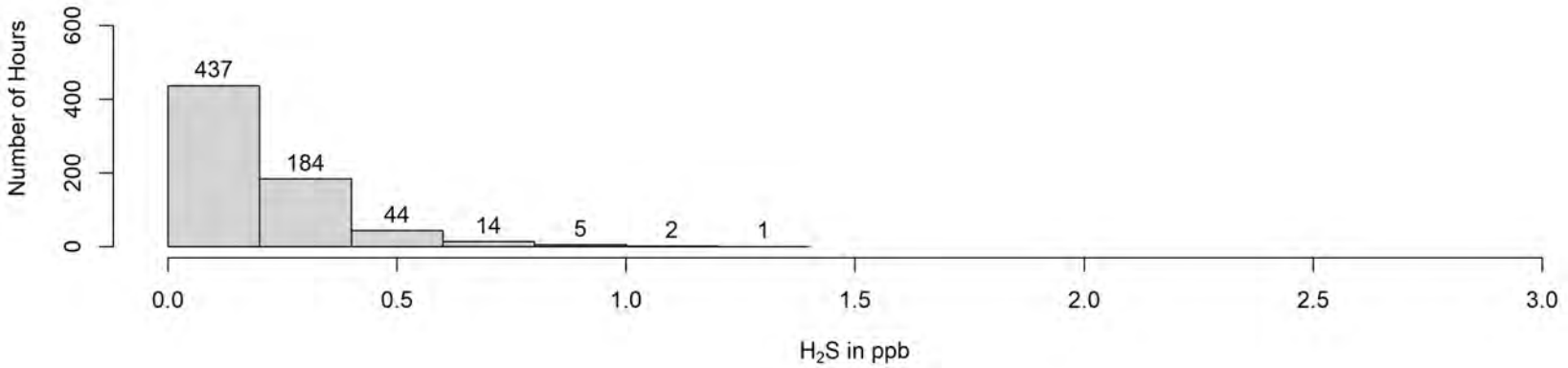
4 Grande Prairie - Henry Pirker Charts

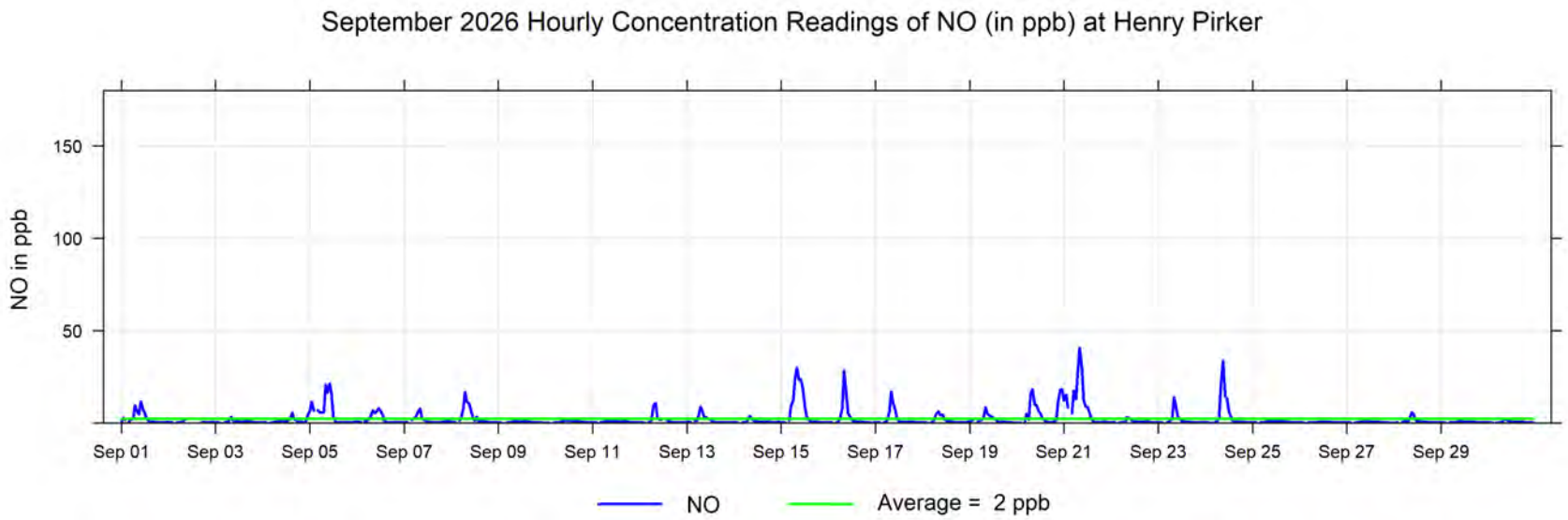


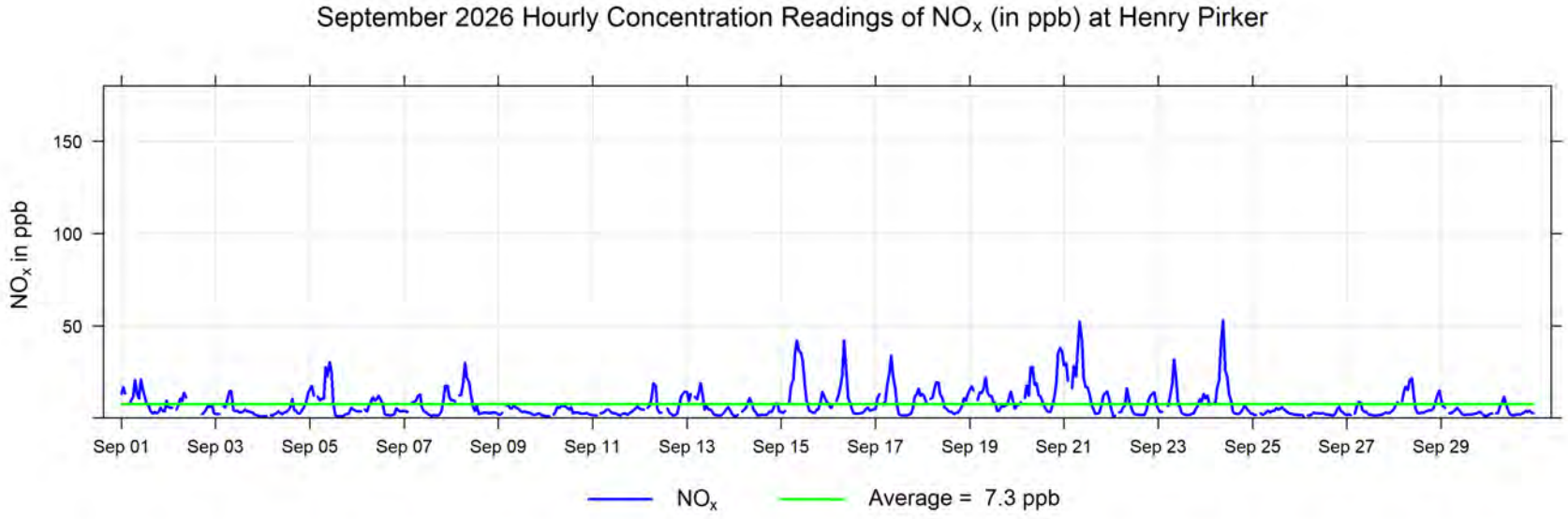

September 2026 Hourly Concentration Readings of SO2 (in ppb) at Henry Pirker
SO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO2
AAAQO Limit = 172 ppb
Average = 0.2 ppb

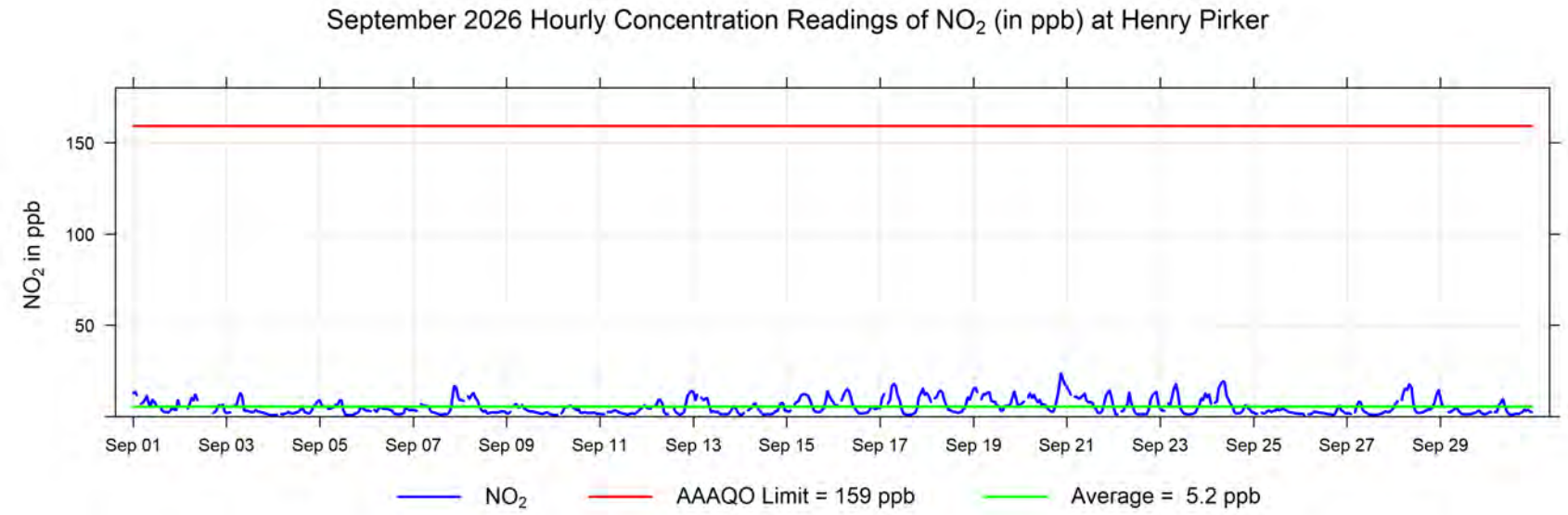

Number of Hours
0
200
400
600
663
20
2
0
0
0
0
1
1
0
5
10
15
SO2 in ppb

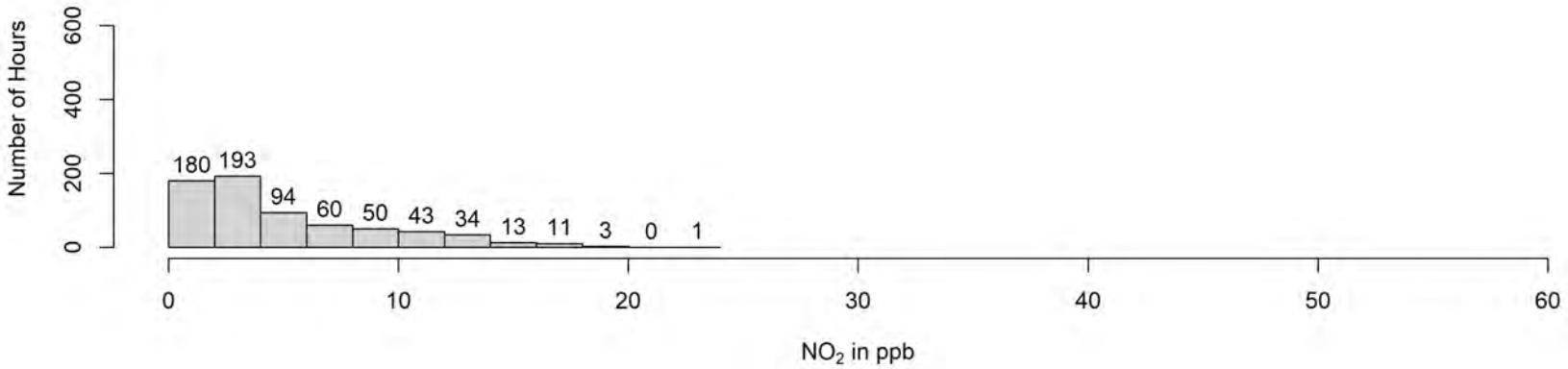

September 2026 Hourly Concentration Readings of H2S (in ppb) at Henry Pirker
H2S in ppb
10
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
H2S
AAAQO Limit = 10 ppb
Average = 0.2 ppb

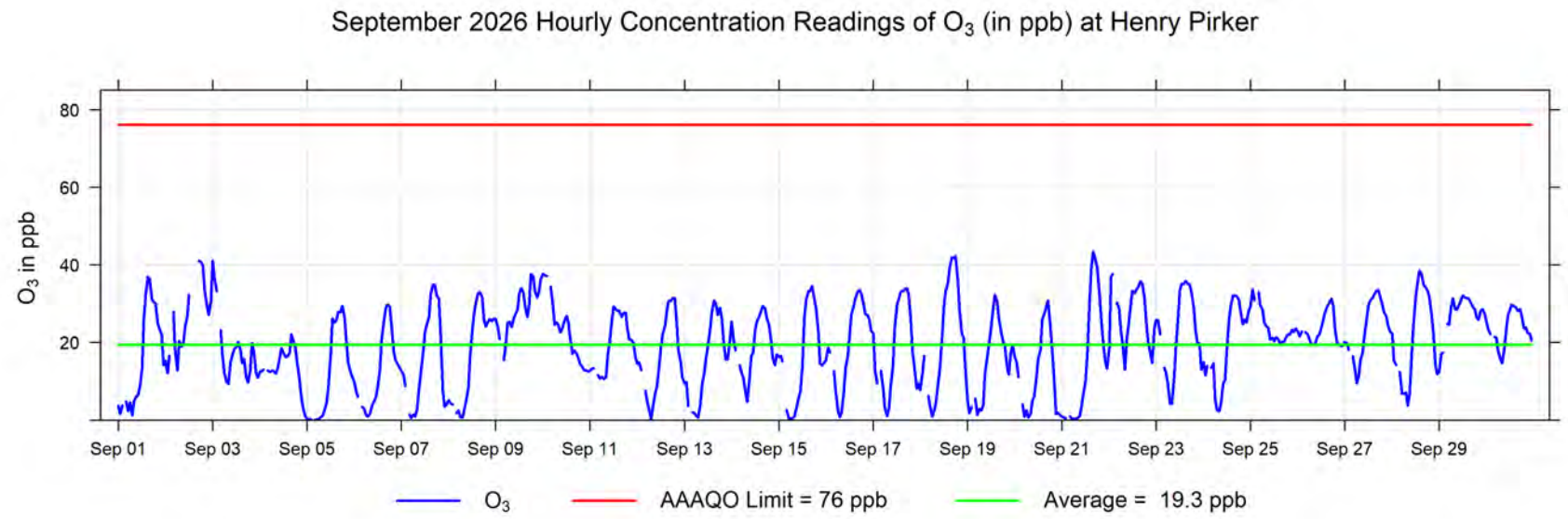

Number of Hours
0
200
400
600
437
184
44
14
5
2
1
0.0
0.5
1.0
1.5
2.0
2.5
3.0
H2S in ppb

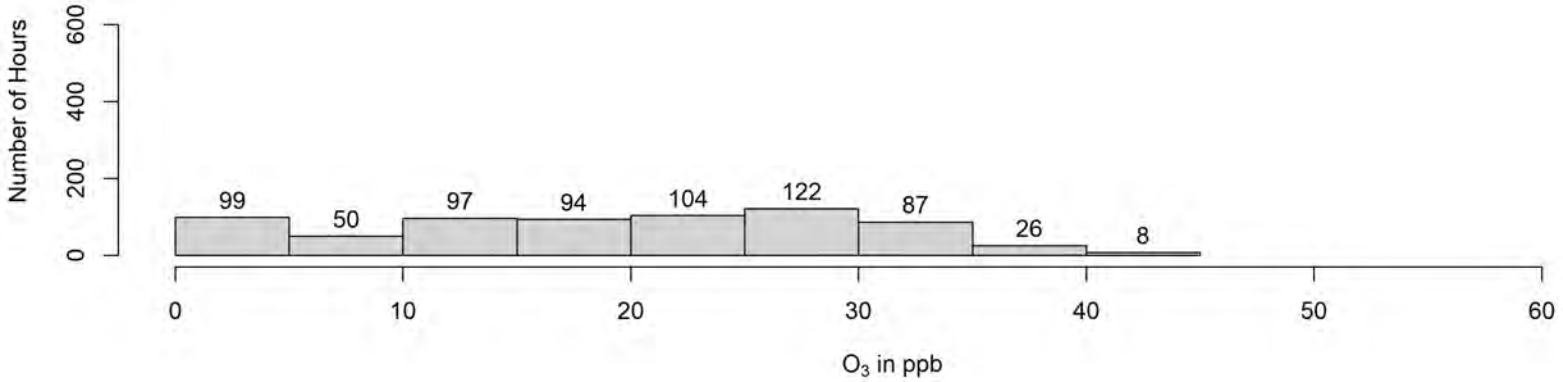

September 2026 Hourly Concentration Readings of NO (in ppb) at Henry Pirker
NO in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO
Average = 2 ppb

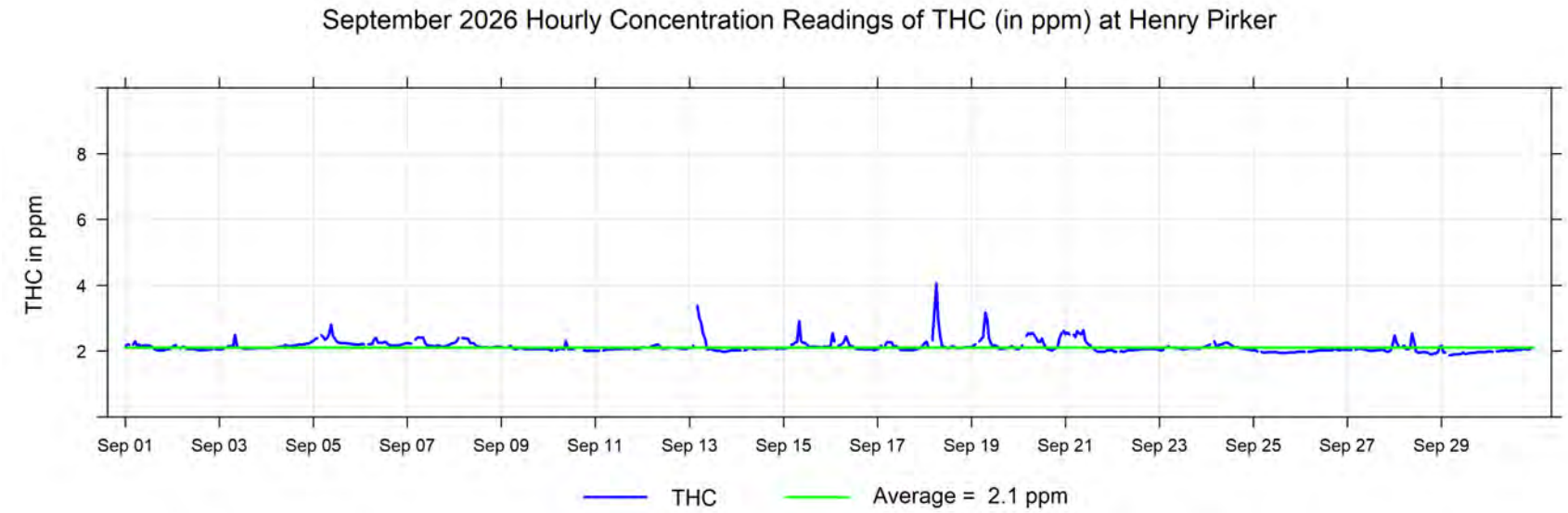

September 2026 Hourly Concentration Readings of NOx (in ppb) at Henry Pirker
NOx in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NOx
Average = 7.3 ppb

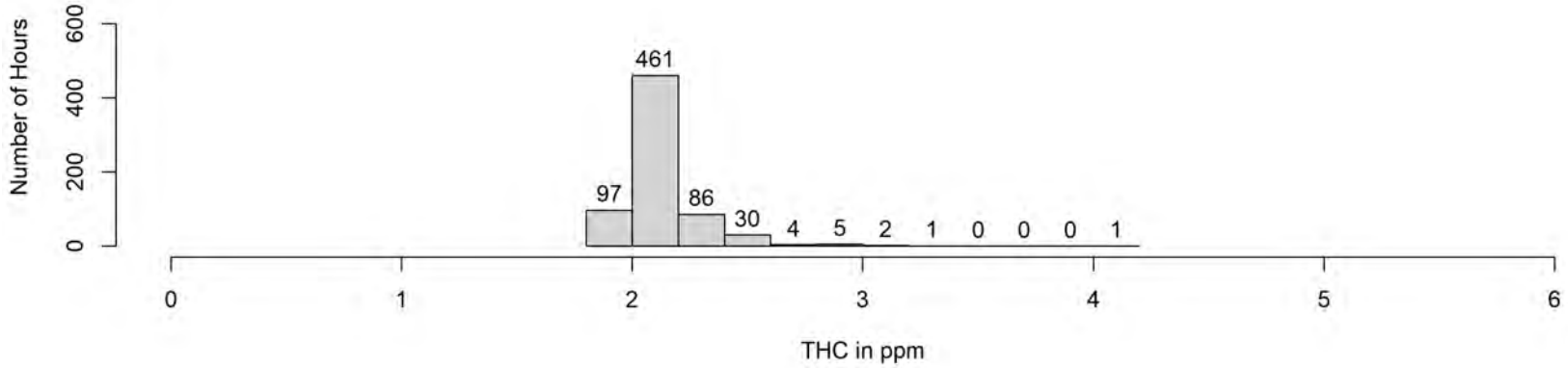

September 2026 Hourly Concentration Readings of NO2 (in ppb) at Henry Pirker
NO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO2
AAAQO Limit = 159 ppb
Average = 5.2 ppb

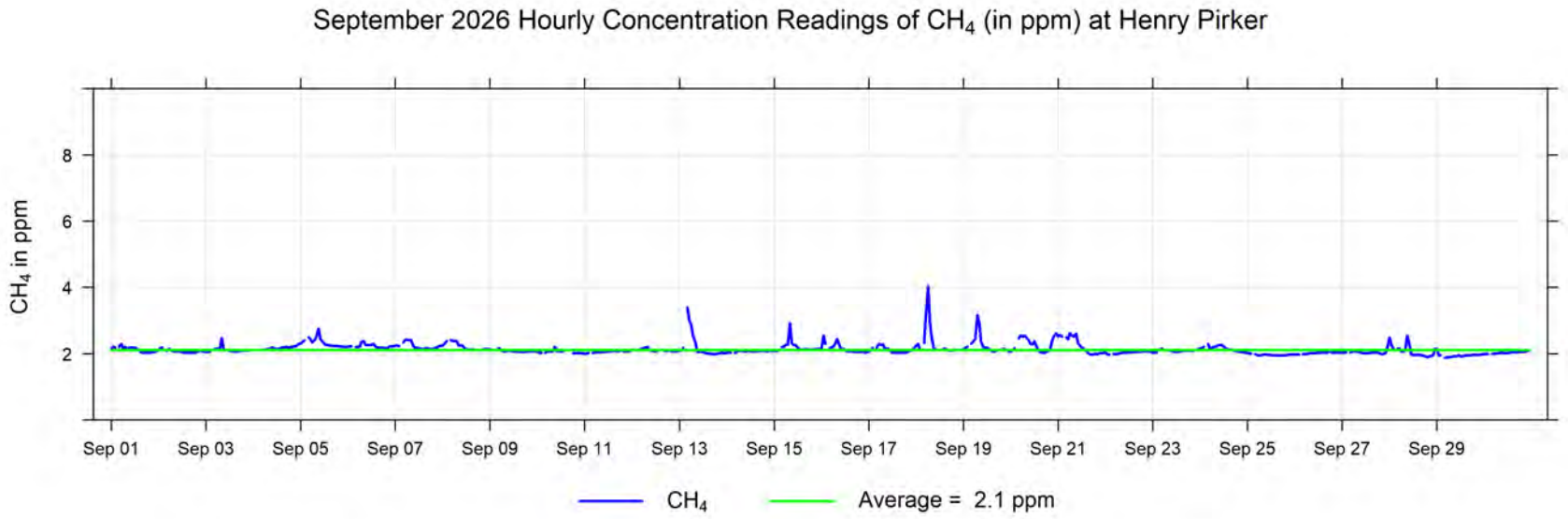

Number of Hours
0
200
400
600
180
193
94
60
50
43
34
13
11
3
0
1
0
10
20
30
40
50
60
NO2 in ppb

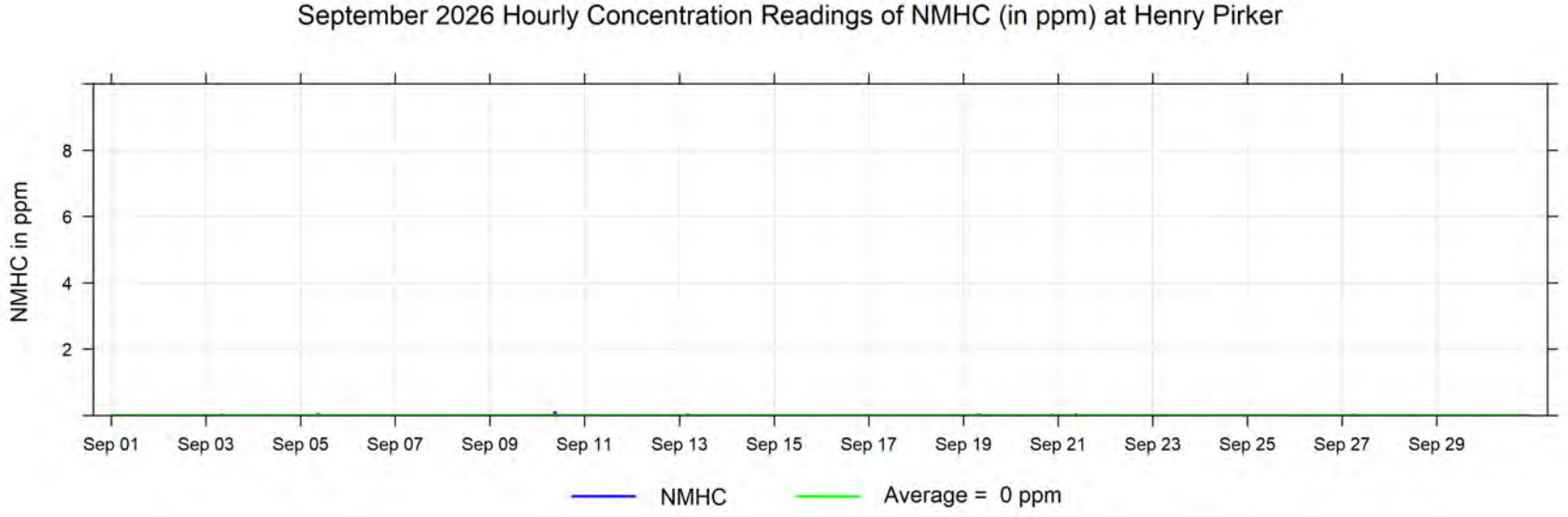

September 2026 Hourly Concentration Readings of O_3 (in ppb) at Henry Pirker
O_3 in ppb
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
O_3
AAAQO Limit = 76 ppb
Average = 19.3 ppb

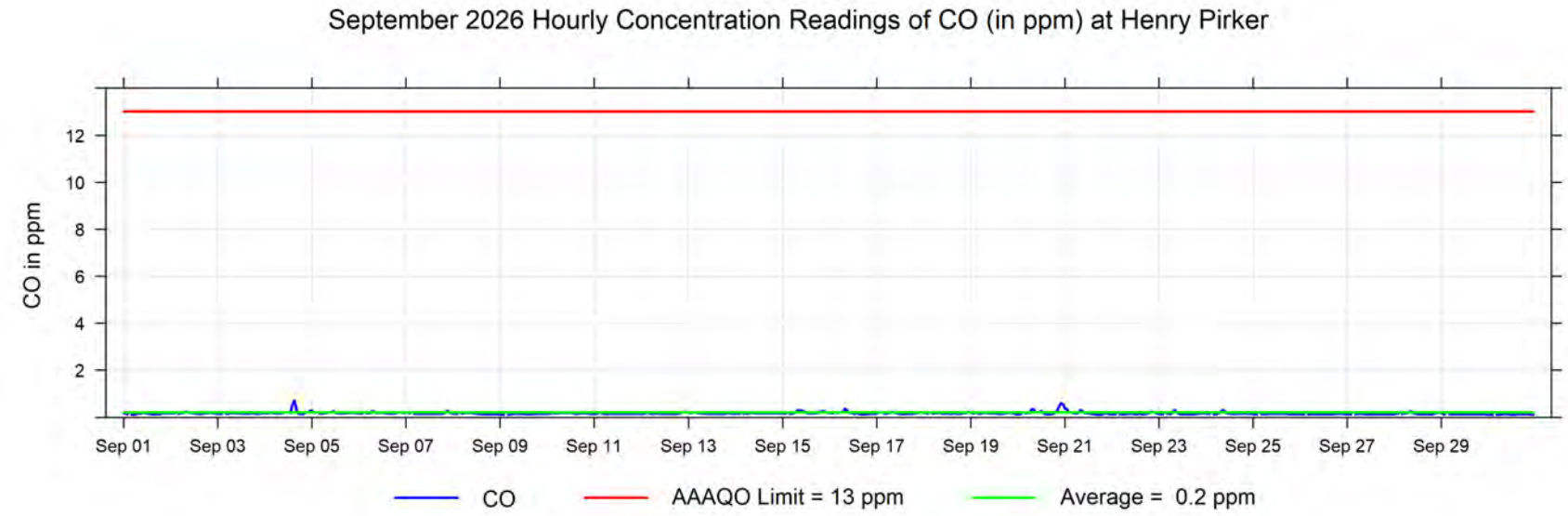

Number of Hours
0
200
400
600
99
50
97
94
104
122
87
26
8
0
10
20
30
40
50
60
O_3 in ppb

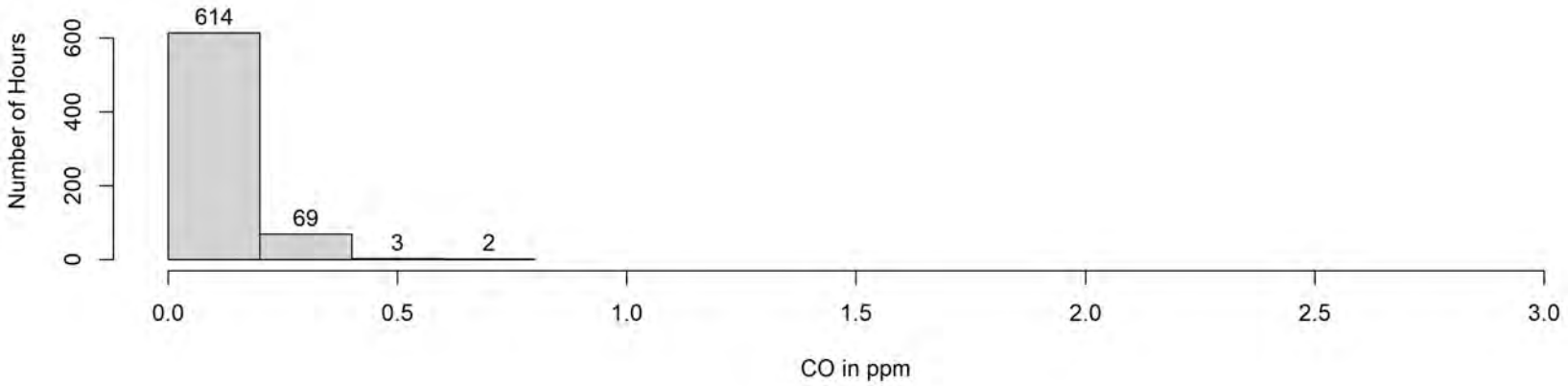

September 2026 Hourly Concentration Readings of THC (in ppm) at Henry Pirker
THC in ppm
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
THC
Average = 2.1 ppm

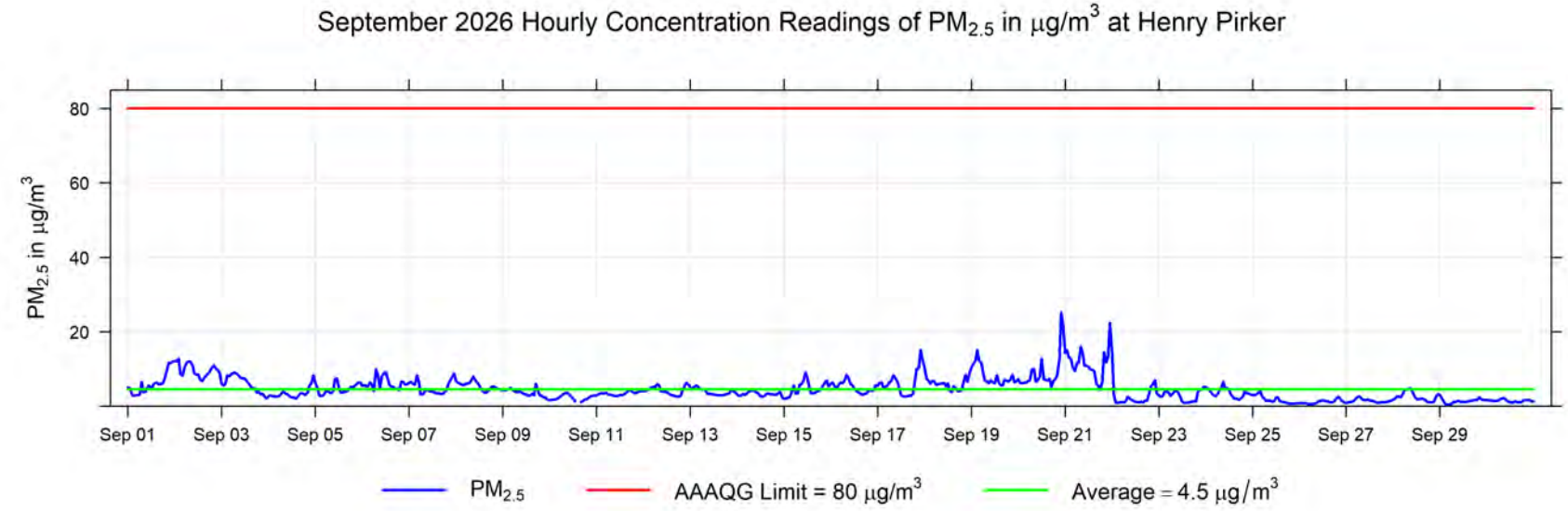

Number of Hours
0
200
400
600
461
97
86
30
4
5
2
1
0
0
0
1
0
1
2
3
4
5
6
THC in ppm

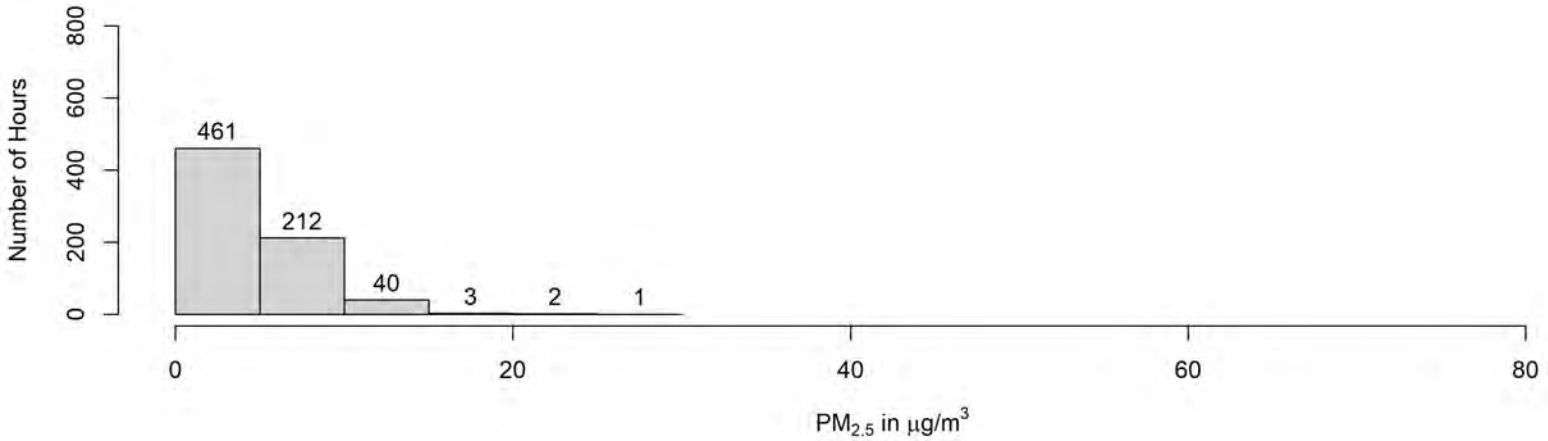

September 2026 Hourly Concentration Readings of CH_4 (in ppm) at Henry Pirker
CH_4 in ppm
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
CH_4
Average = 2.1 ppm

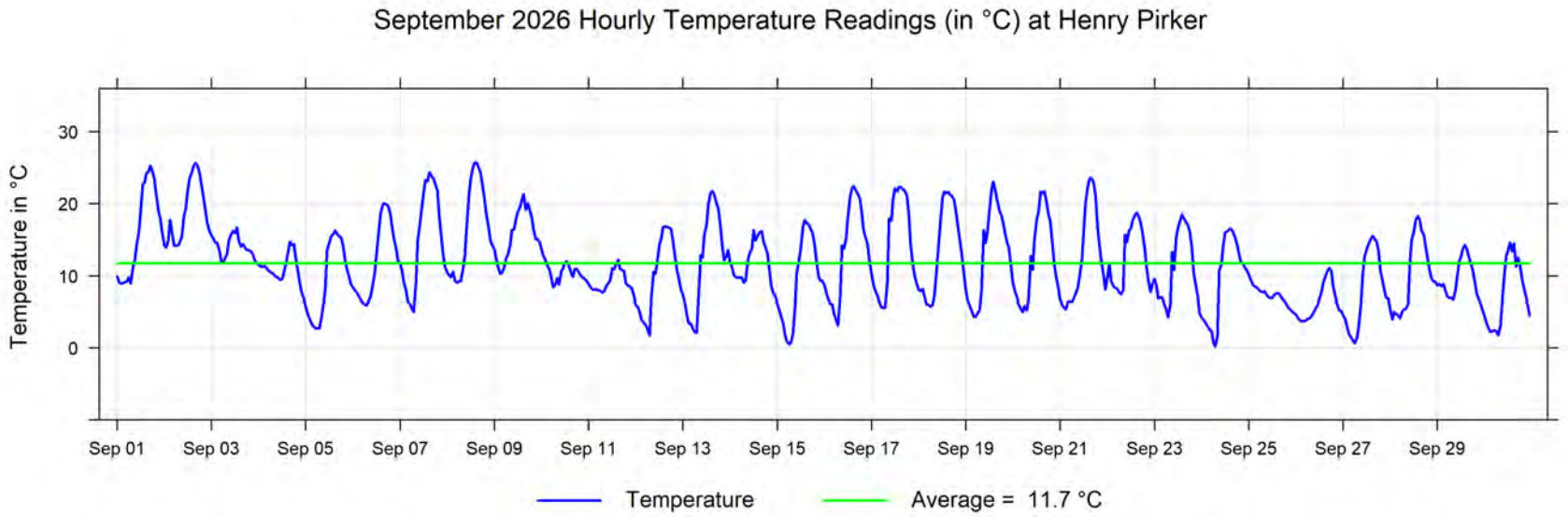

September 2026 Hourly Concentration Readings of NMHC (in ppm) at Henry Pirker
NMHC in ppm
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NMHC
Average = 0 ppm

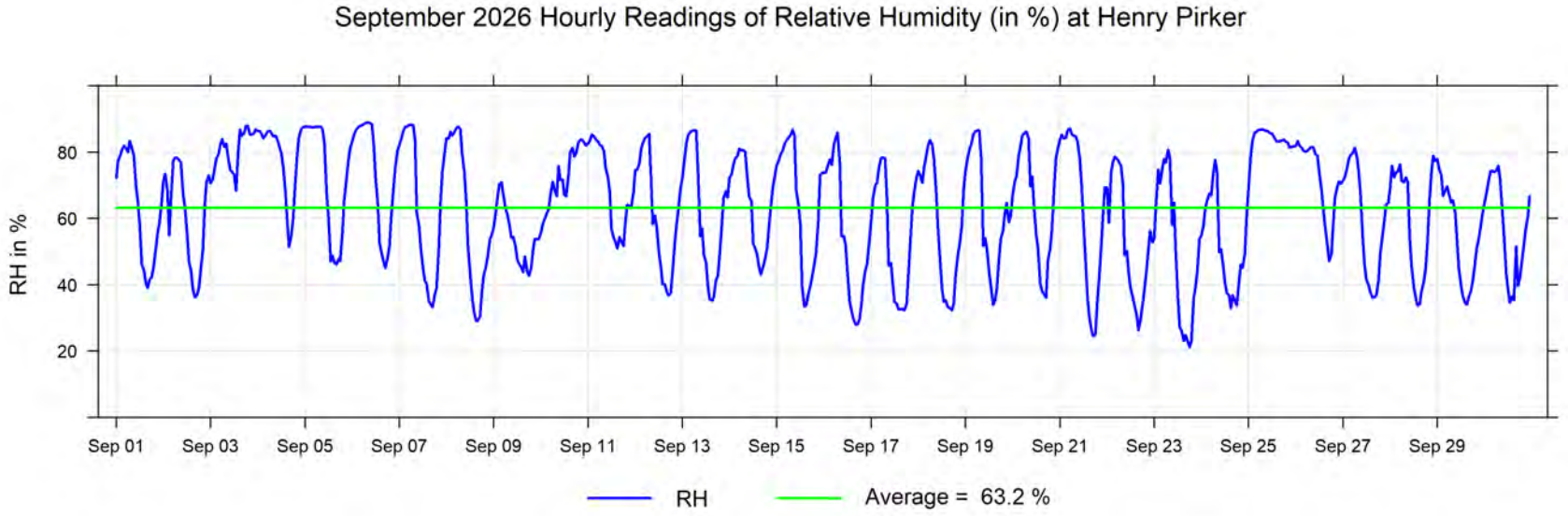

September 2026 Hourly Concentration Readings of CO (in ppm) at Henry Pirker
CO in ppm
12
10
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
CO
AAAQO Limit = 13 ppm
Average = 0.2 ppm

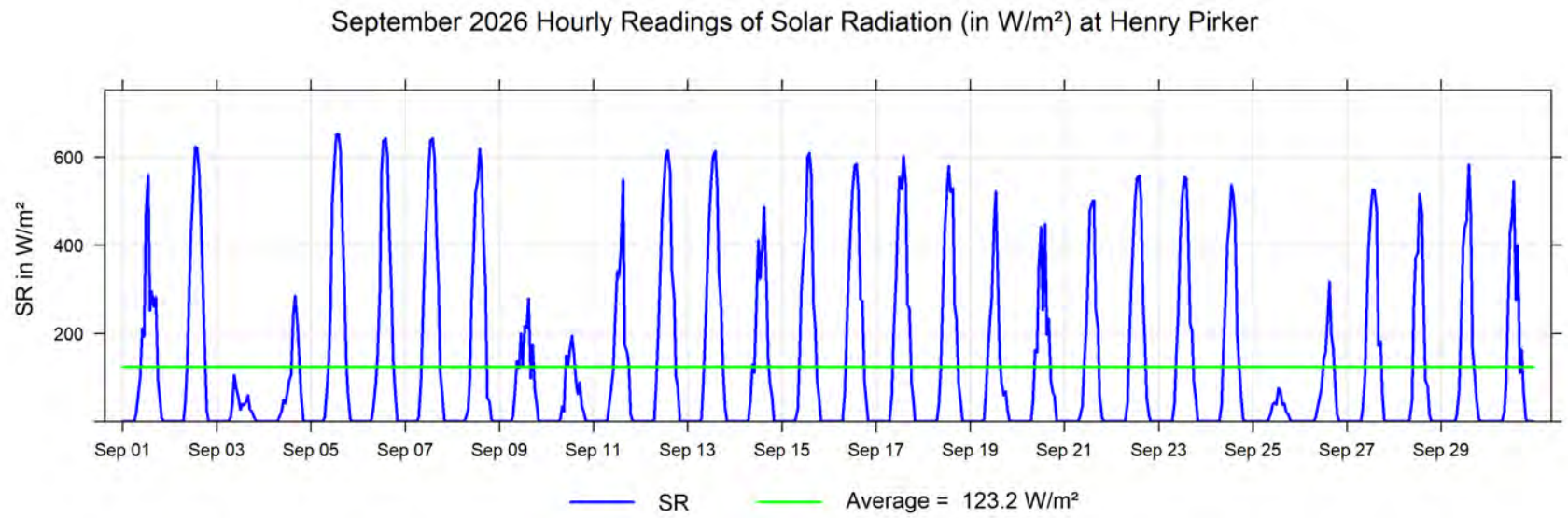

Number of Hours
0
200
400
600
614
69
3
2
0.0
0.5
1.0
1.5
2.0
2.5
3.0
CO in ppm

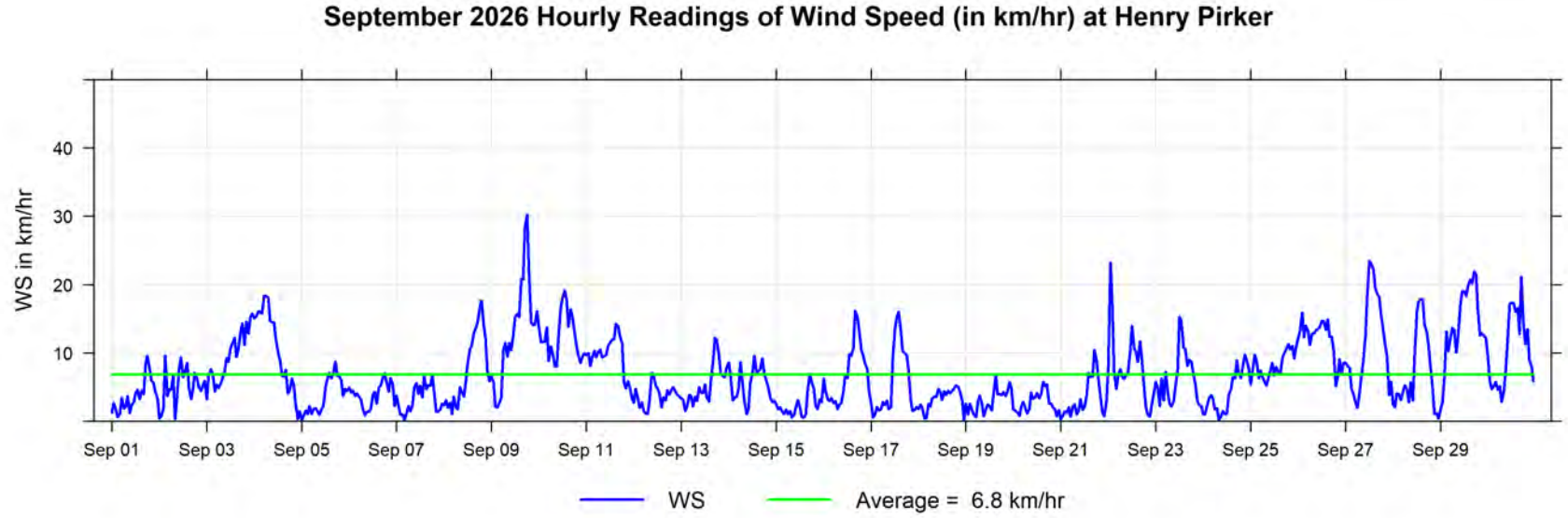

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Henry Pirker
PM2.5 in µg/m3
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 4.5 µg/m3

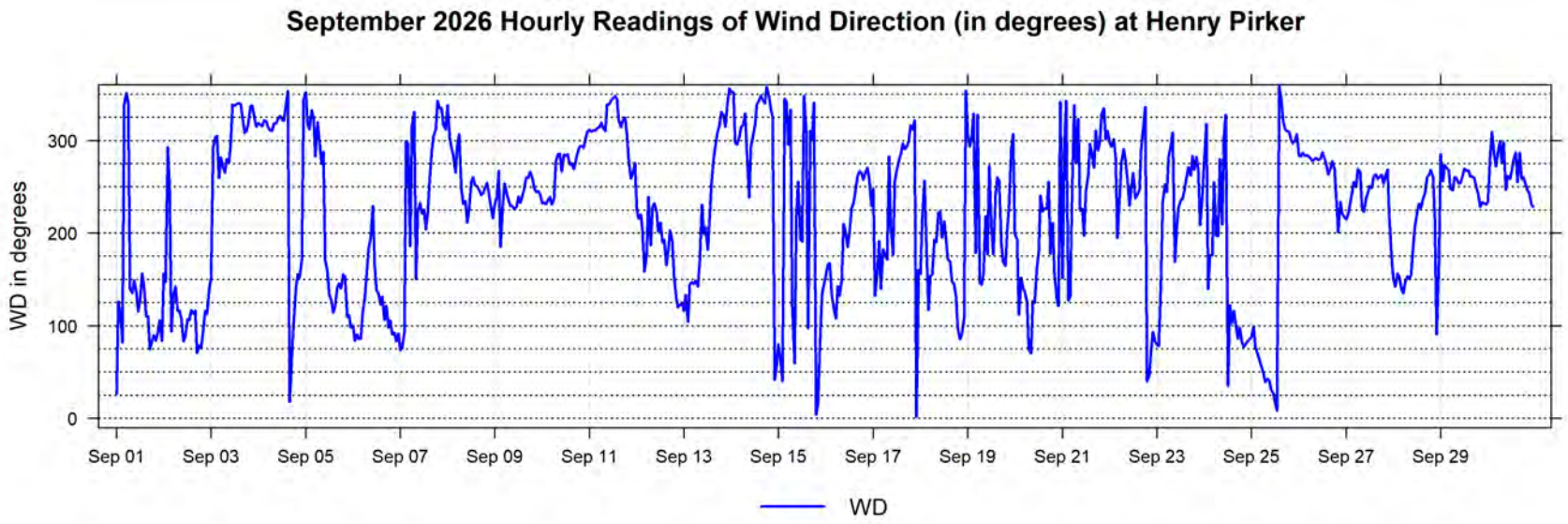

Number of Hours
0
200
400
600
800
461
212
40
3
2
1
0
20
40
60
80
PM2.5 in µg/m3

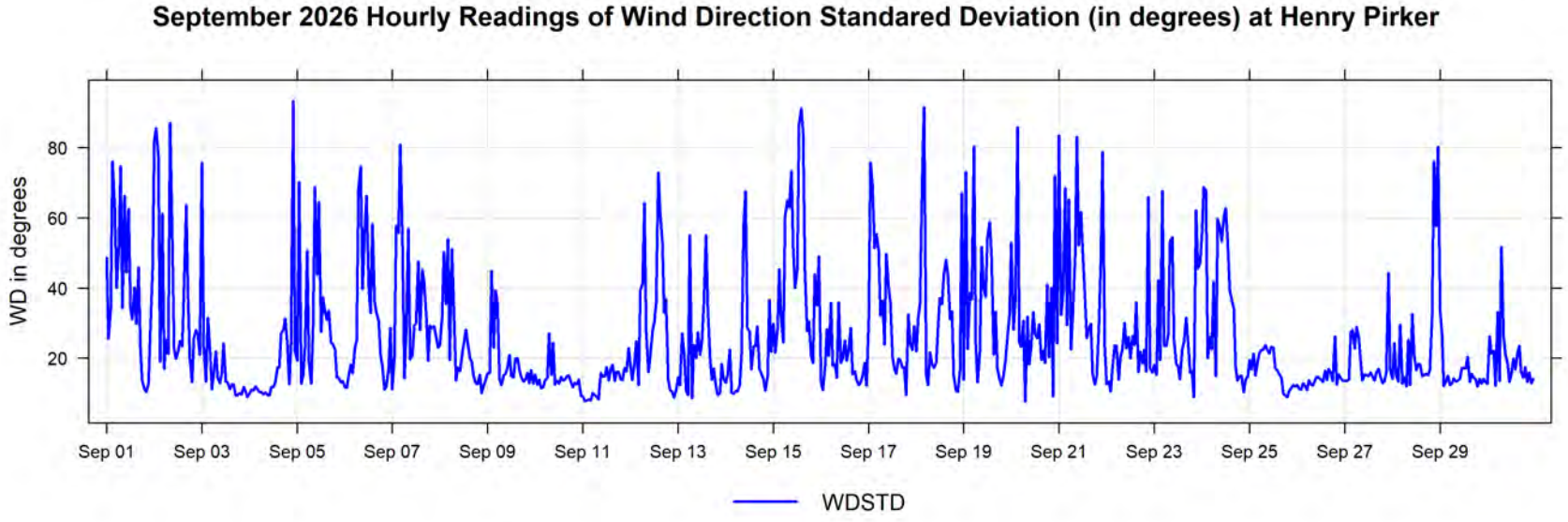

September 2026 Hourly Temperature Readings (in °C) at Henry Pirker
Temperature in °C
30
20
10
0
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 11.7 °C

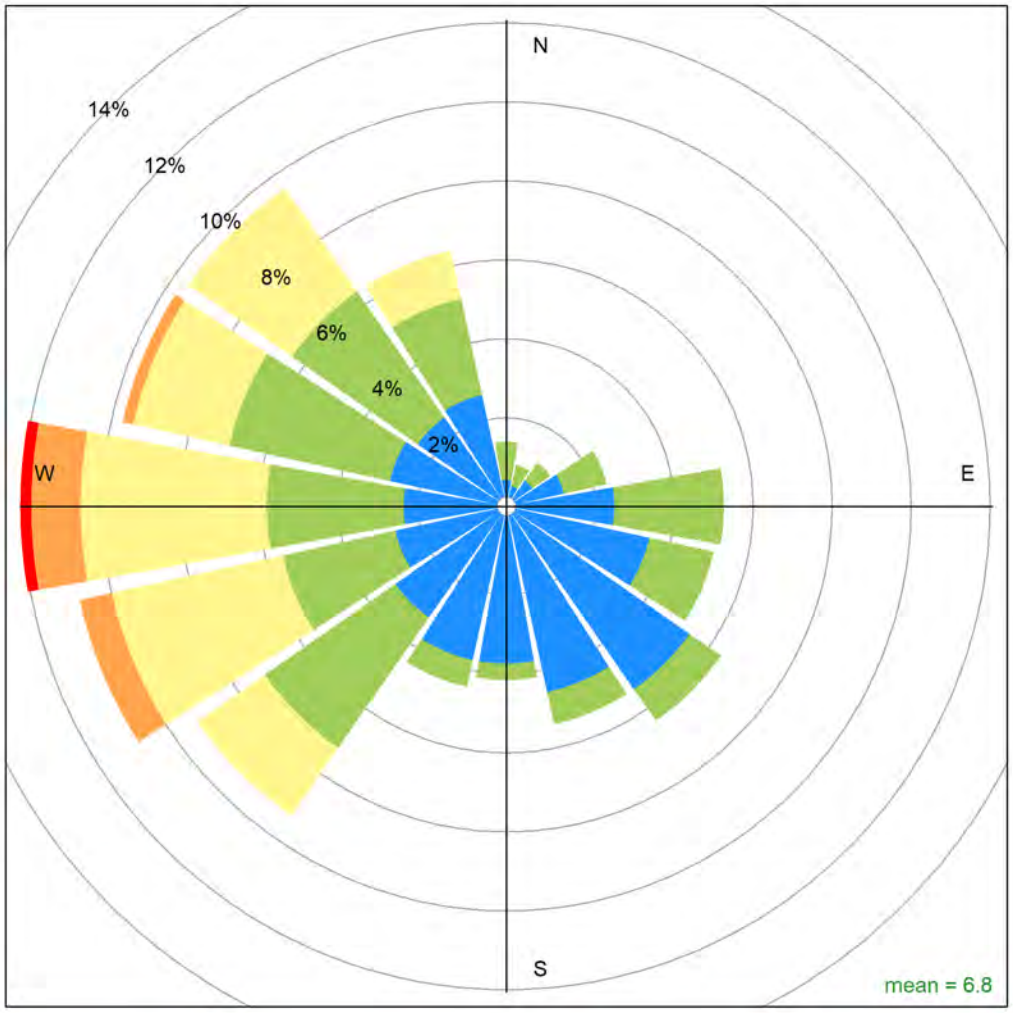

September 2026 Hourly Readings of Relative Humidity (in %) at Henry Pirker
RH in %
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
RH
Average = 63.2 %


September 2026 Hourly Readings of Solar Radiation (in W/m²) at Henry Pirker
SR in W/m²
600
400
200
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SR
Average = 123.2 W/m²


September 2026 Hourly Readings of Wind Speed (in km/hr) at Henry Pirker
WS in km/hr
40
30
20
10
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WS
Average = 6.8 km/hr


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


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

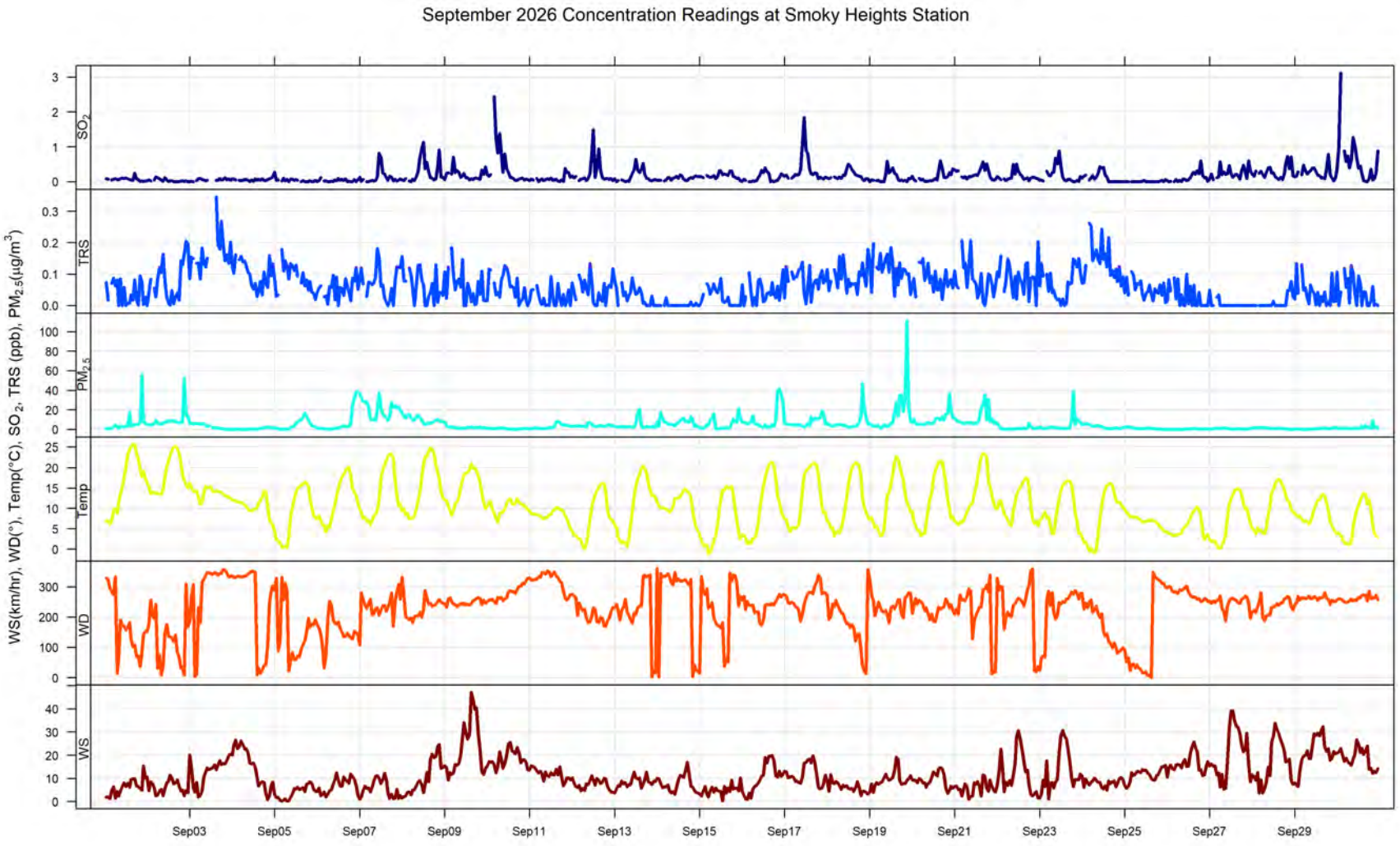


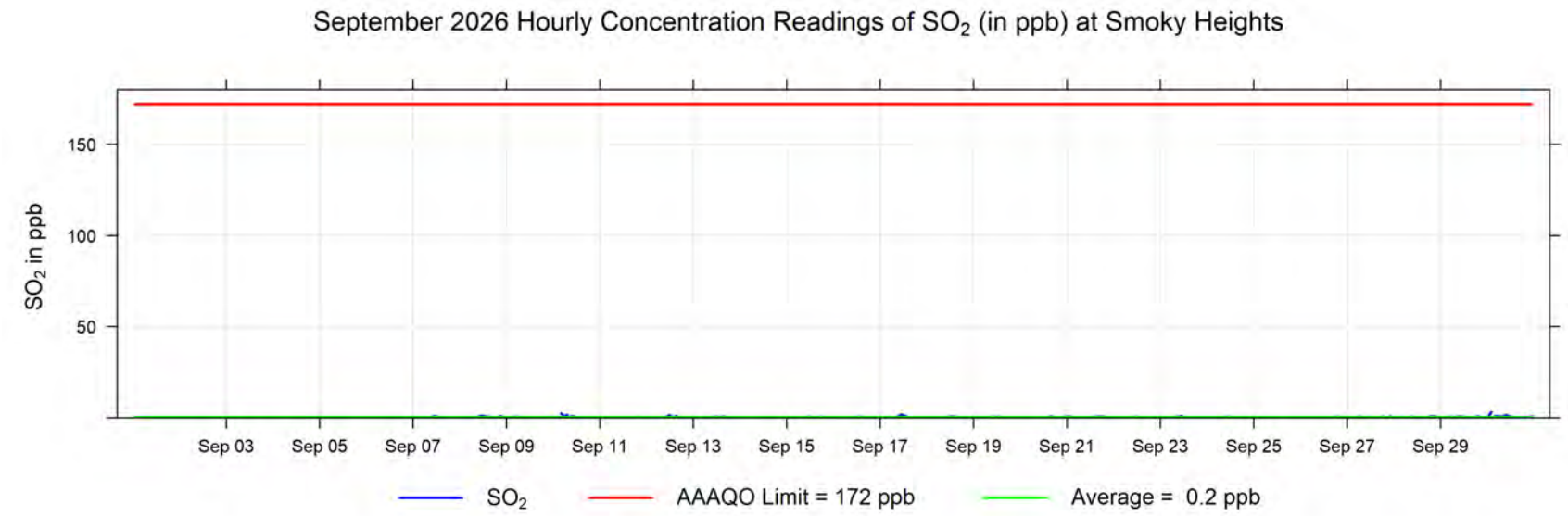
Henry Pirker September 2026 Wind Rose, wind speed in km/hr

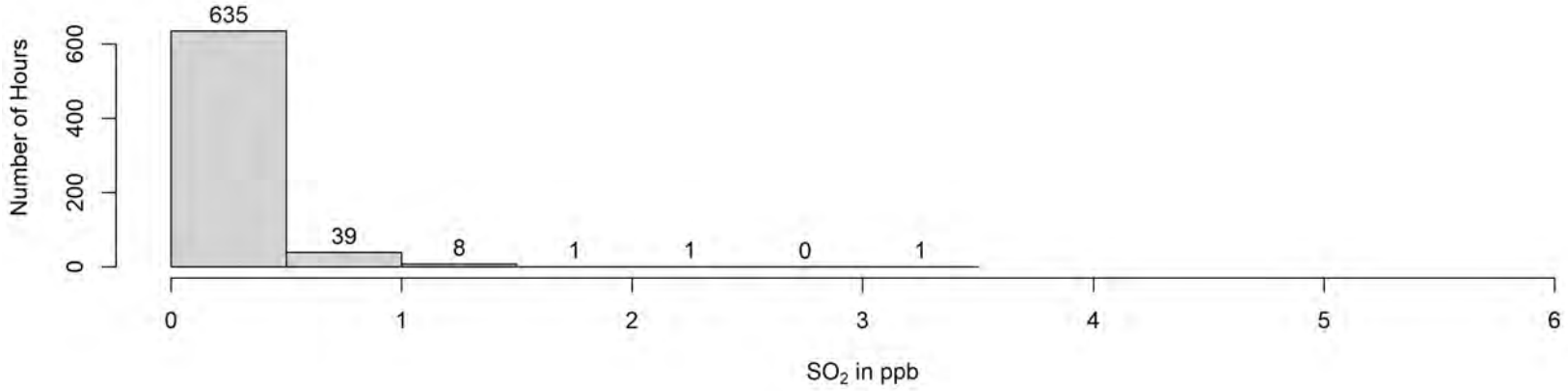
Calms (<1km/hr) = 5.4 %

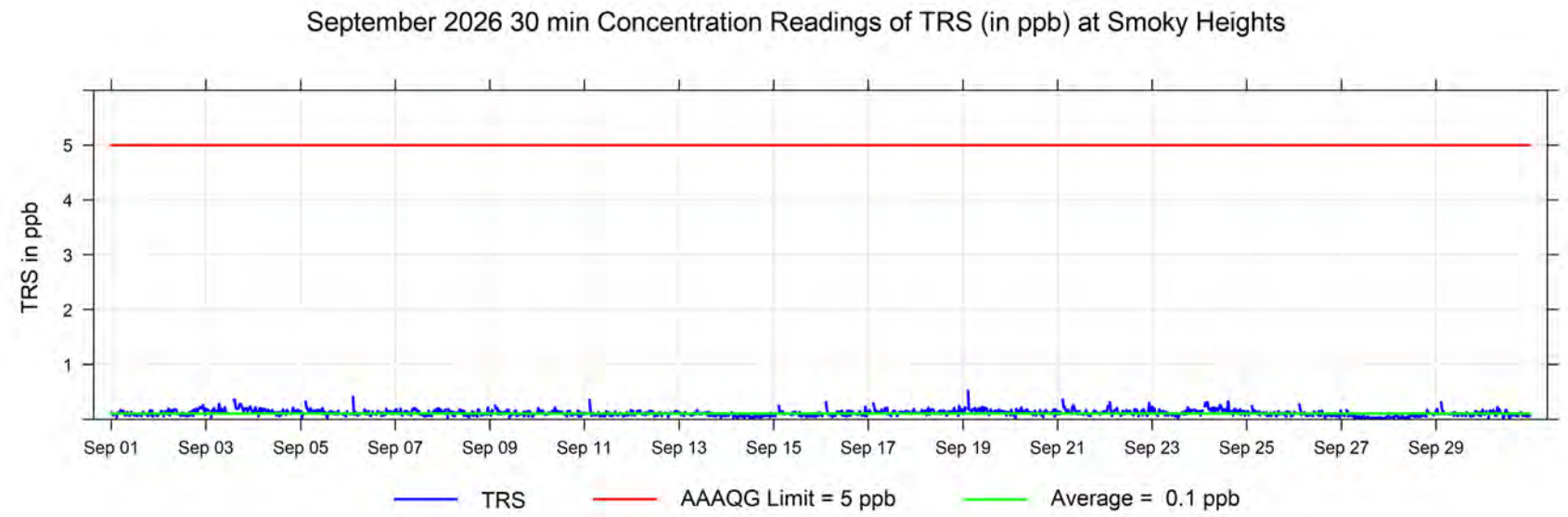
5 Smoky Heights Charts

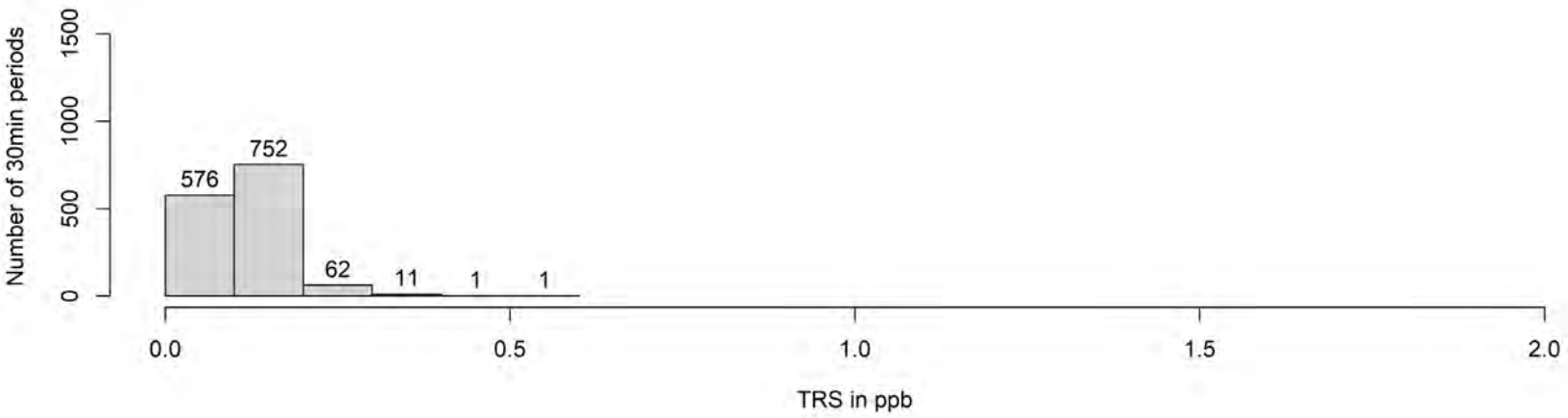
The following pages include the charts and histograms for Smoky Heights Station

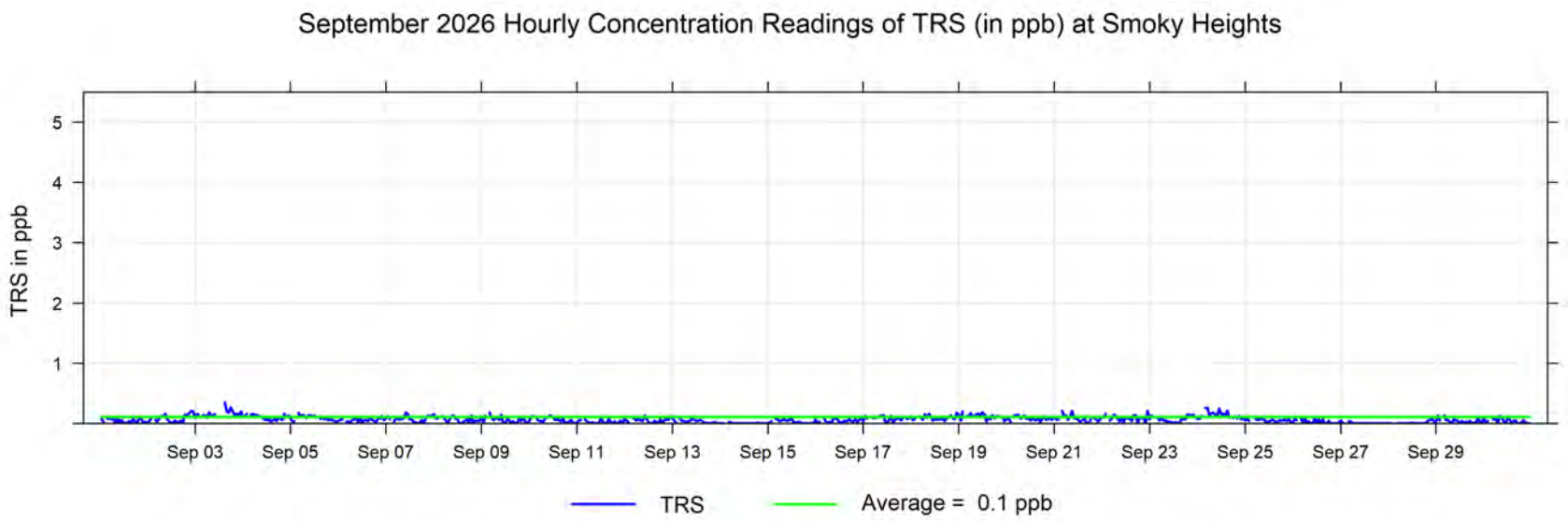


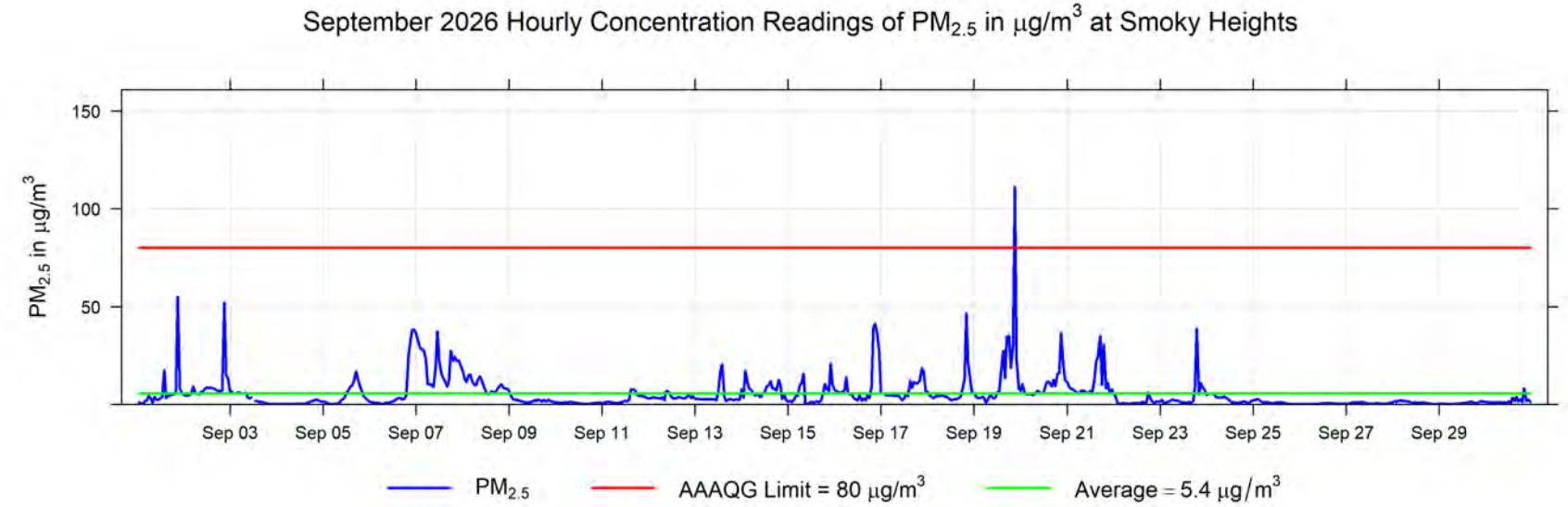

September 2026 Hourly Concentration Readings of SO_2 (in ppb) at Smoky Heights
SO_2 in ppb
150
100
50
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO_2
AAAQO Limit = 172 ppb
Average = 0.2 ppb

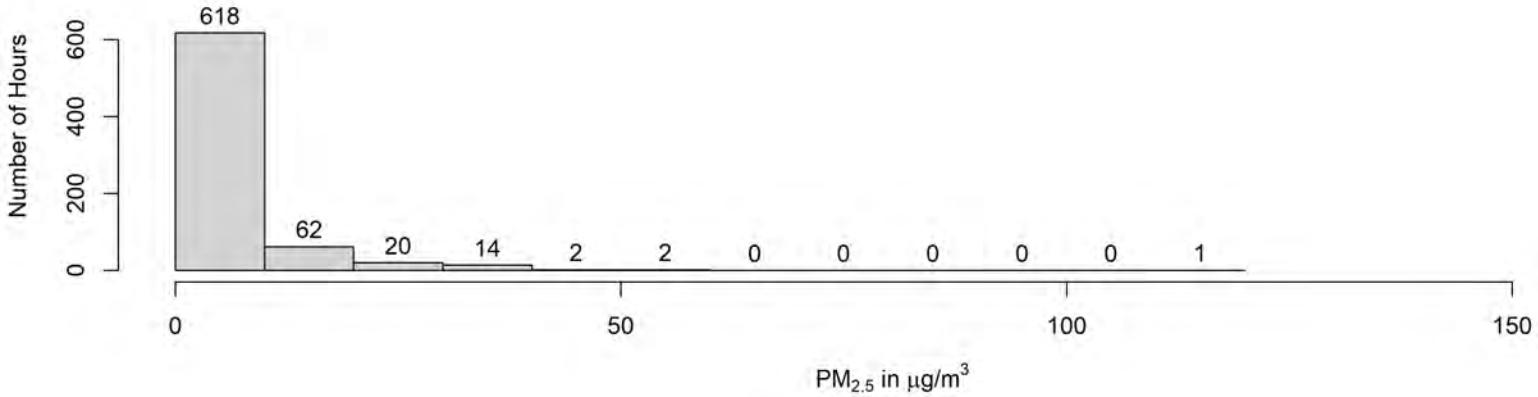

Number of Hours
0
200
400
600
635
39
8
1
1
0
1
0
1
2
3
4
5
6
SO_2 in ppb

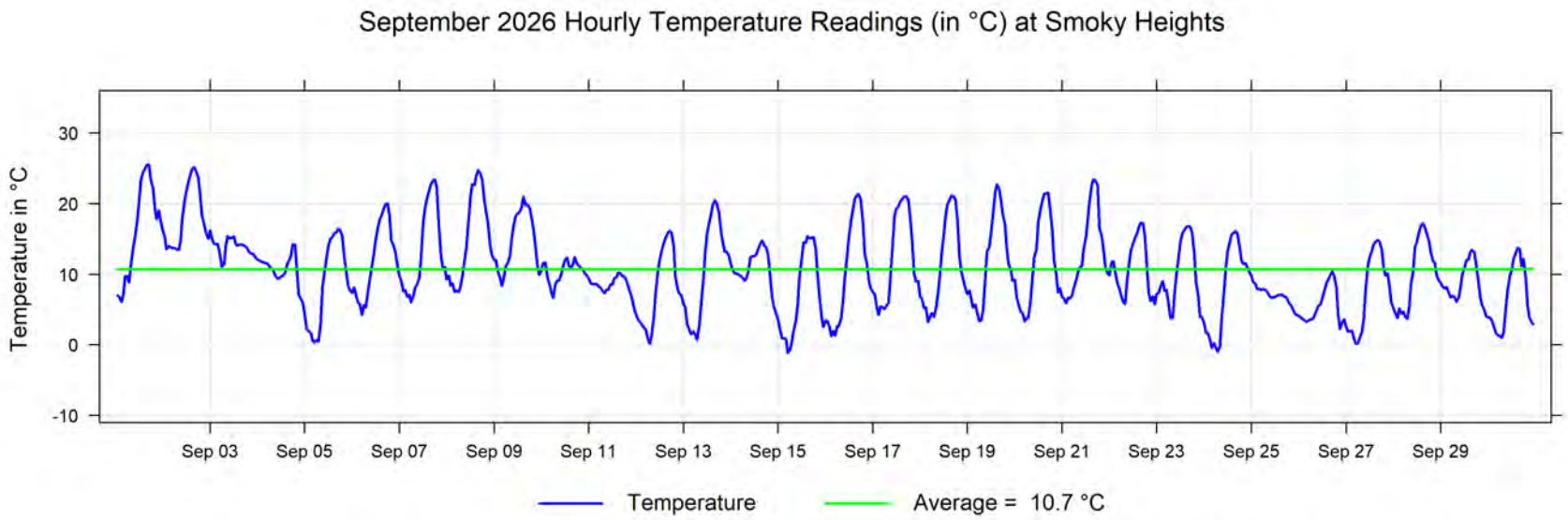

September 2026 30 min Concentration Readings of TRS (in ppb) at Smoky Heights
TRS in ppb
5
4
3
2
1
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
TRS
AAAQG Limit = 5 ppb
Average = 0.1 ppb

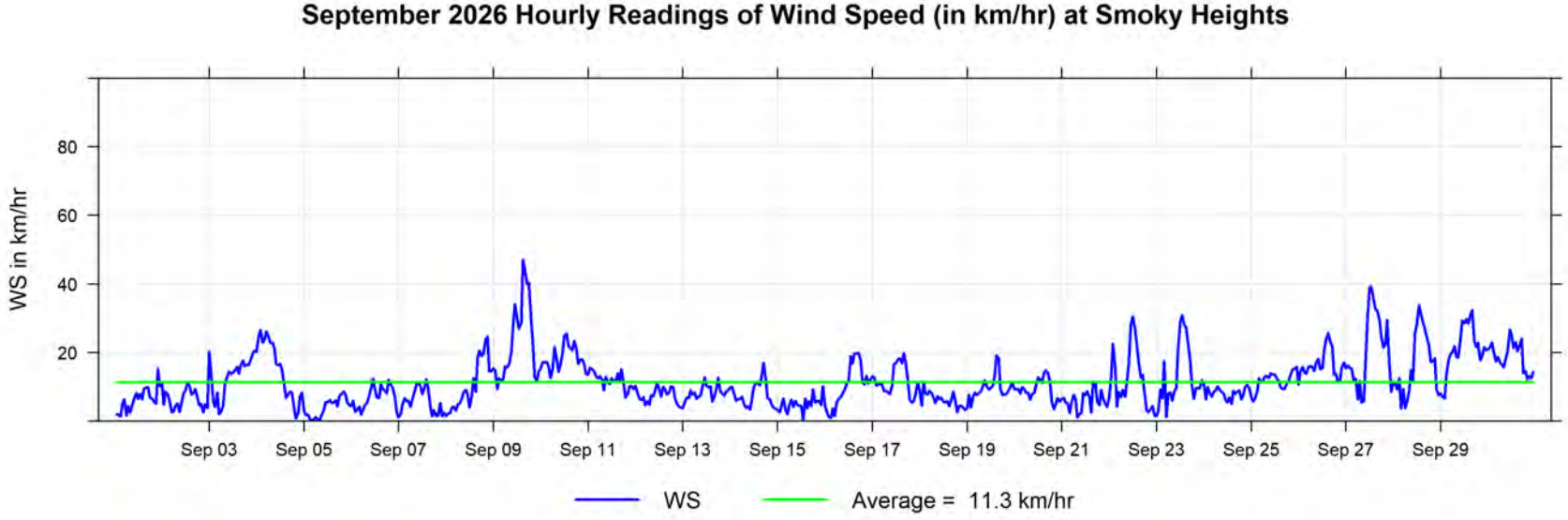

Number of 30min periods
0
500
1000
1500
576
752
62
11
1
1
0.0
0.5
1.0
1.5
2.0
TRS in ppb

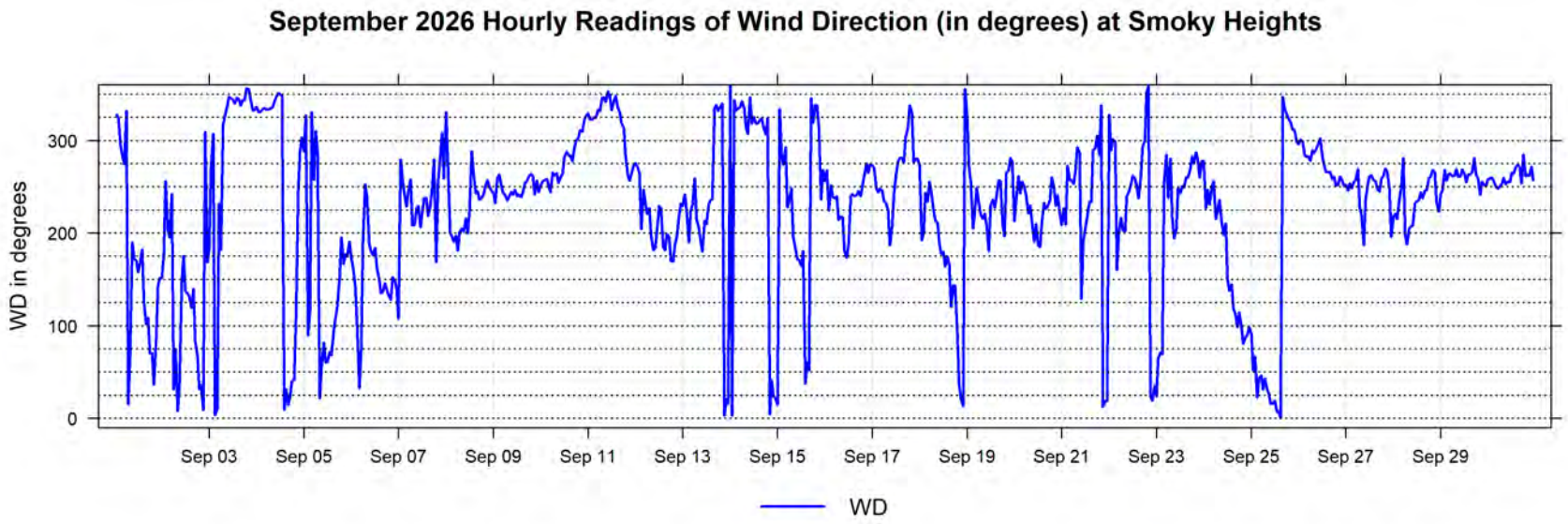

September 2026 Hourly Concentration Readings of TRS (in ppb) at Smoky Heights
TRS in ppb
5
4
3
2
1
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
TRS
Average = 0.1 ppb

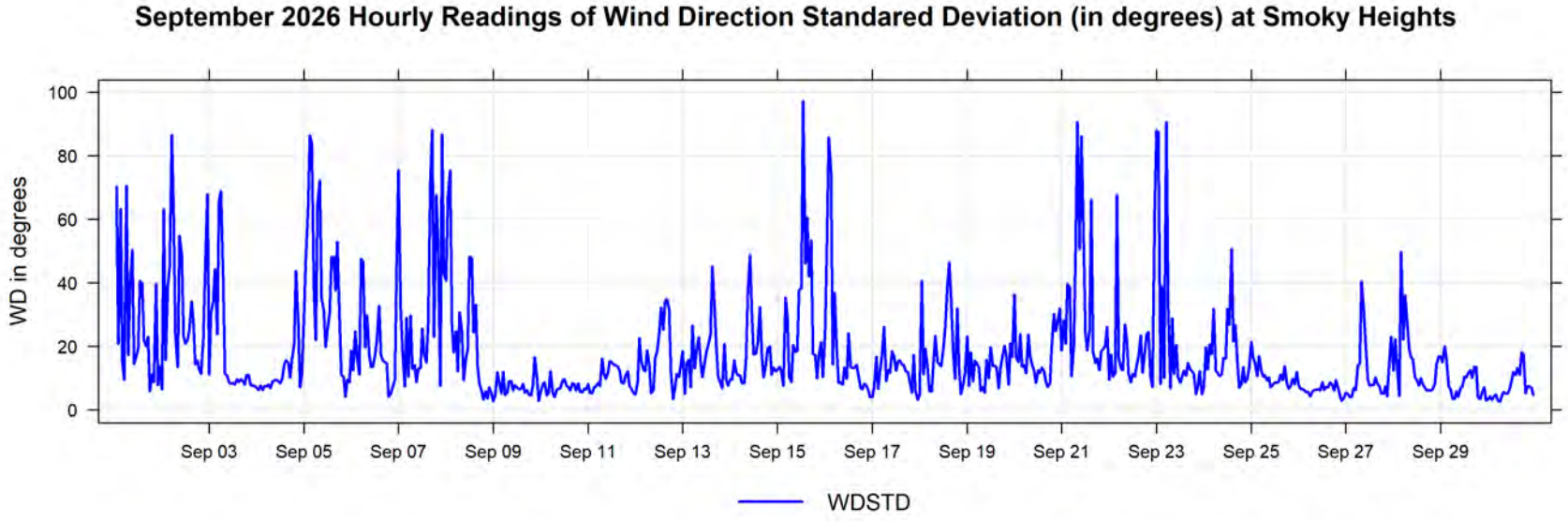

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Smoky Heights
PM2.5 in µg/m3
150
100
50
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 5.4 µg/m3

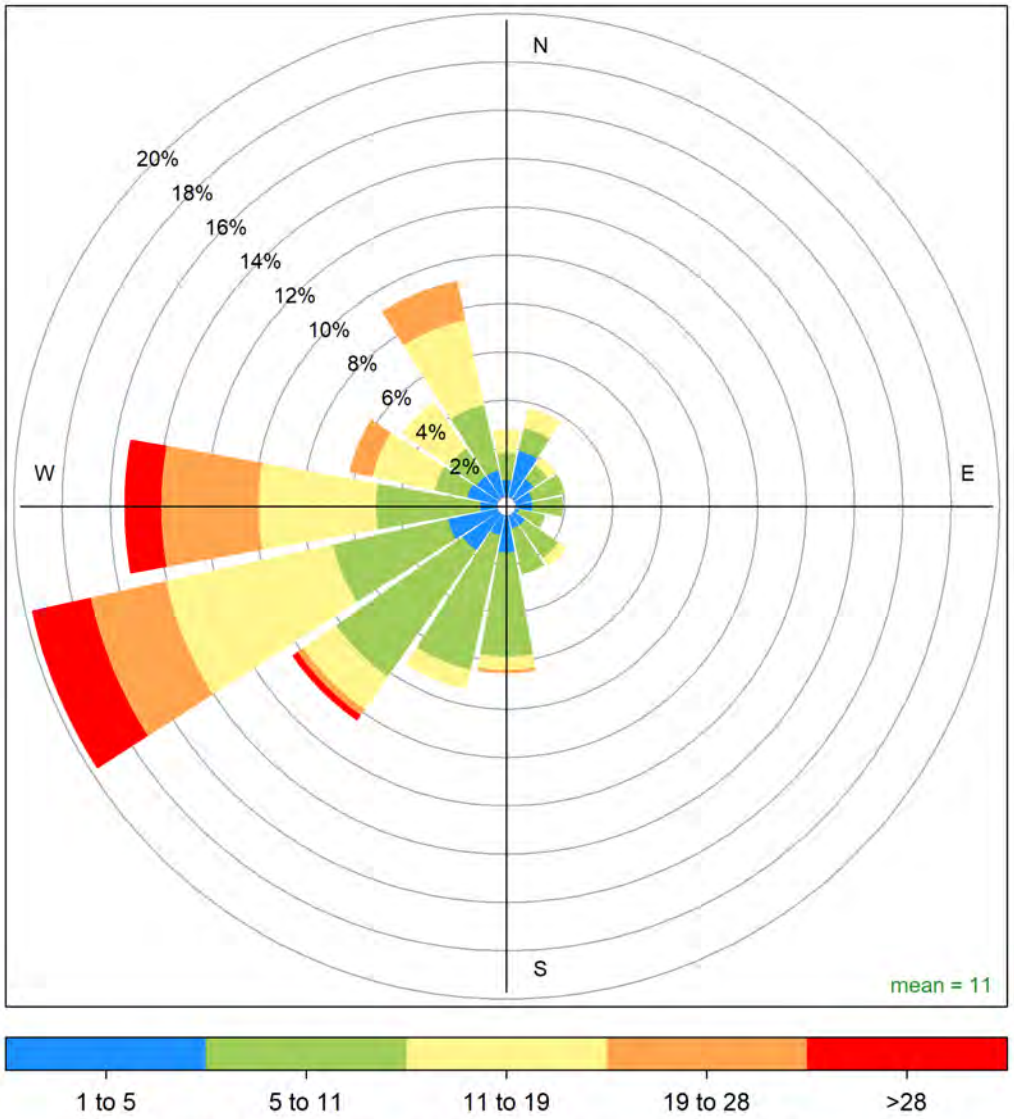

Number of Hours
0
200
400
600
618
62
20
14
2
2
0
0
0
0
0
1
0
50
100
150
PM2.5 in µg/m3


September 2026 Hourly Temperature Readings (in °C) at Smoky Heights
Temperature in °C
30
20
10
0
-10
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 10.7 °C


September 2026 Hourly Readings of Wind Speed (in km/hr) at Smoky Heights
WS in km/hr
80
60
40
20
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WS
Average = 11.3 km/hr


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


September 2026 Hourly Readings of Wind Direction Standared Deviation (in degrees) at Smoky Heights
WD in degrees
0
20
40
60
80
100
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WDSTD

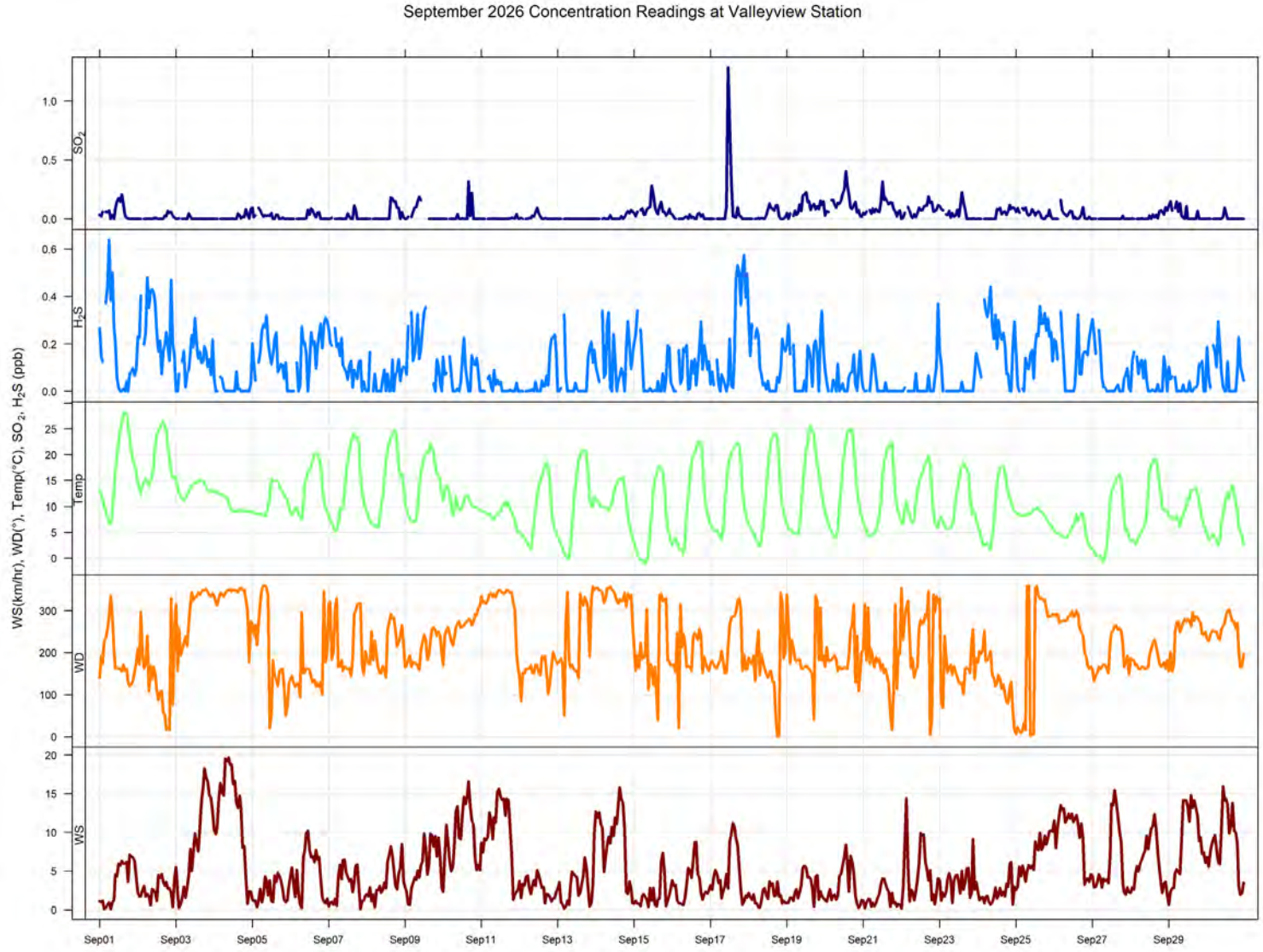


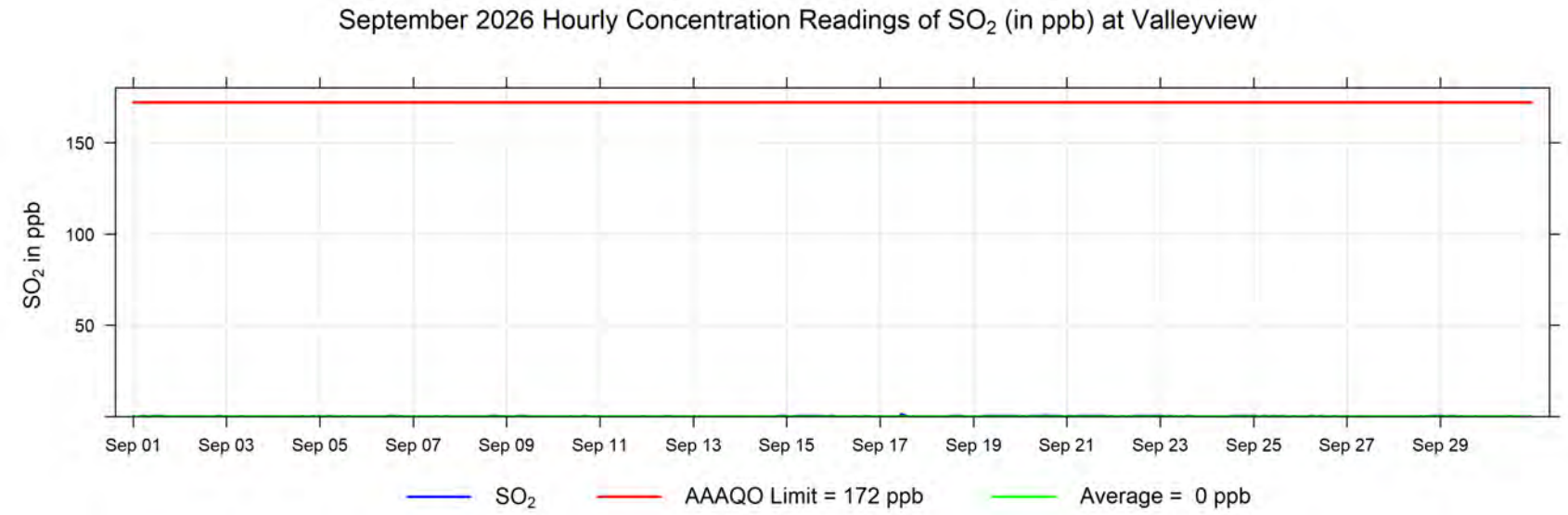
Smoky Heights September 2026 Wind Rose, wind speed in km/hr

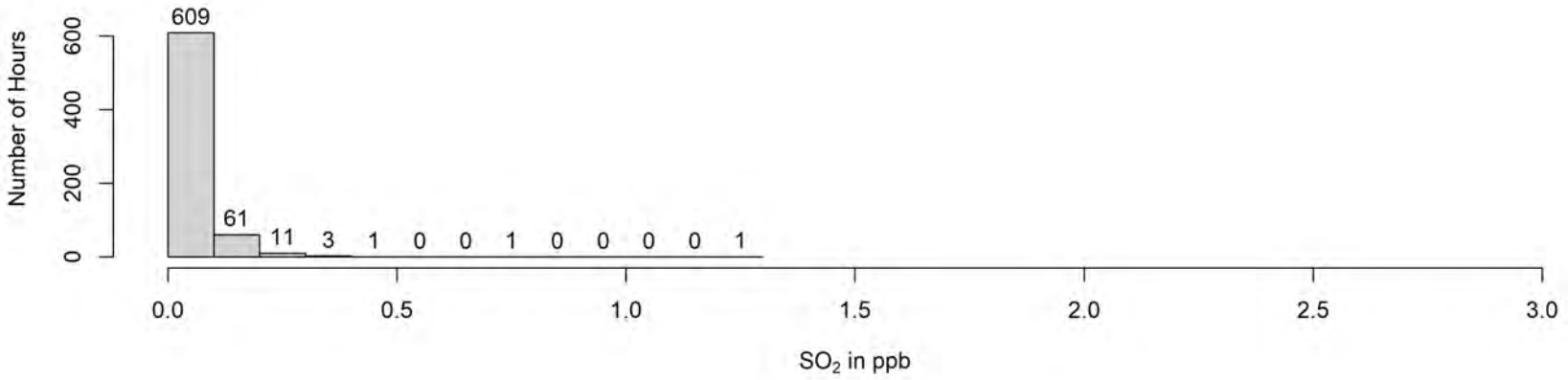
Calms (<1km/hr) = 1.2 %

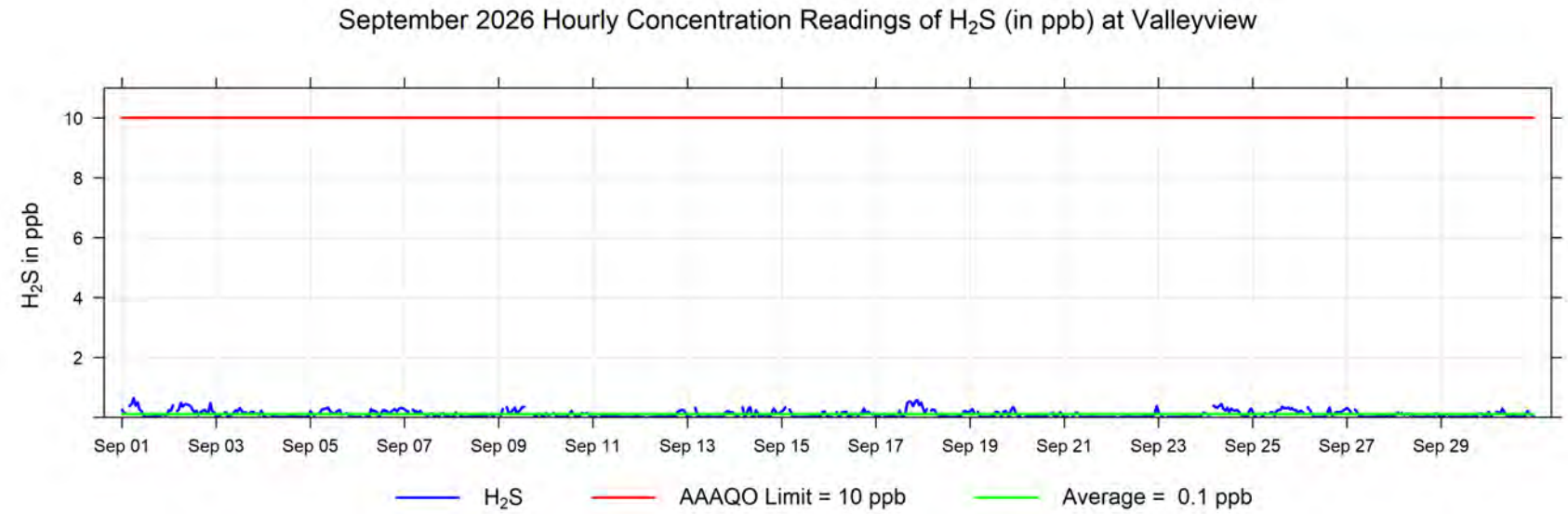
6 Valleyview Charts

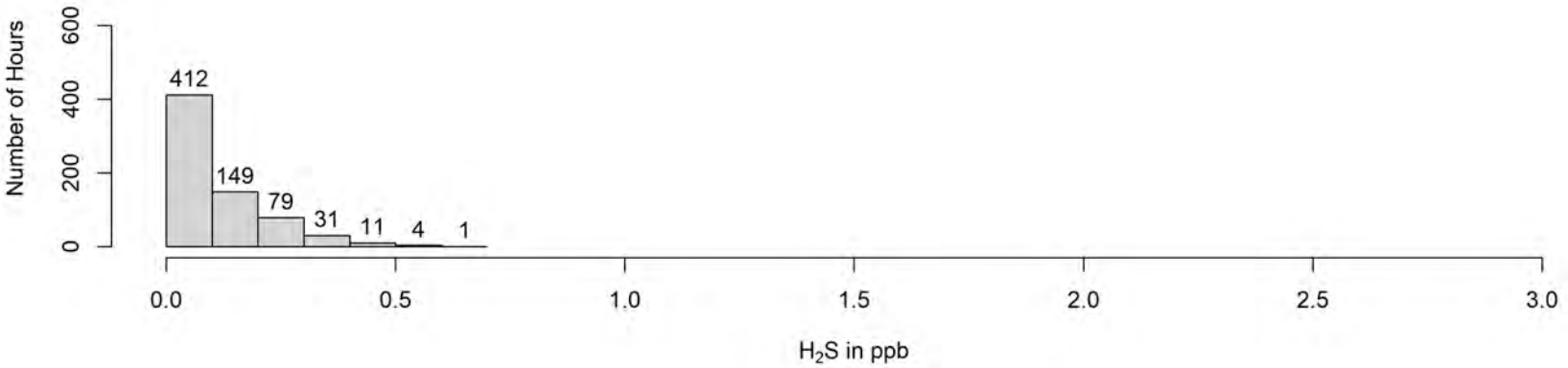
The following pages include the charts and histograms for Valleyview Station

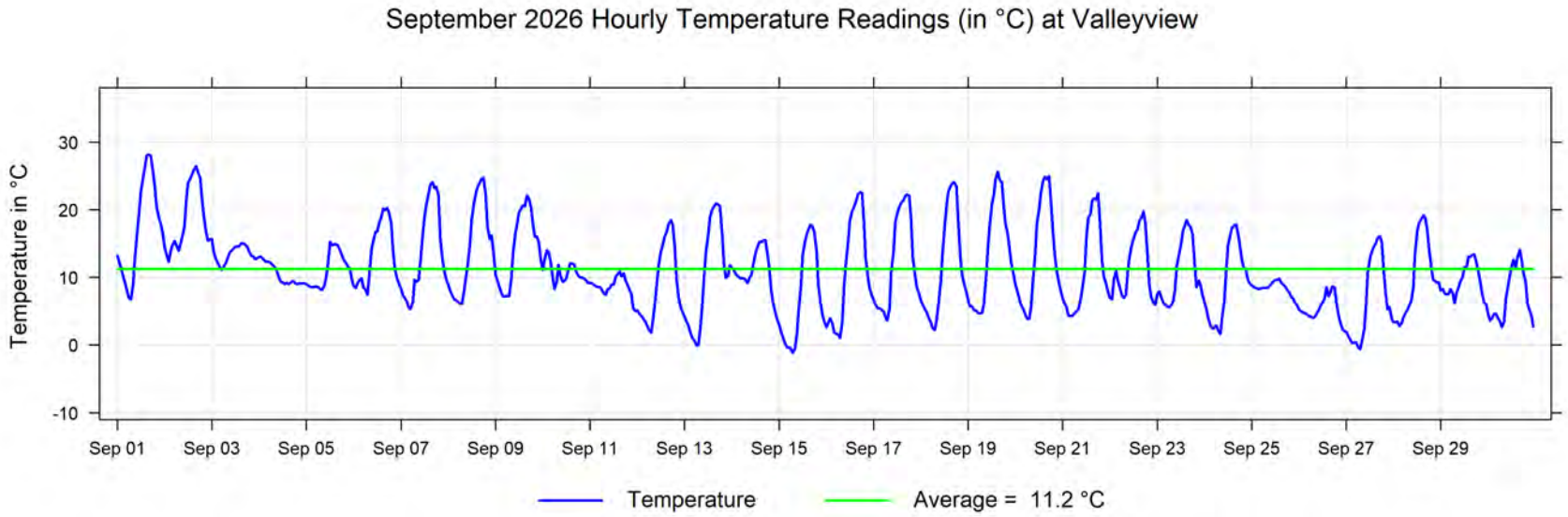


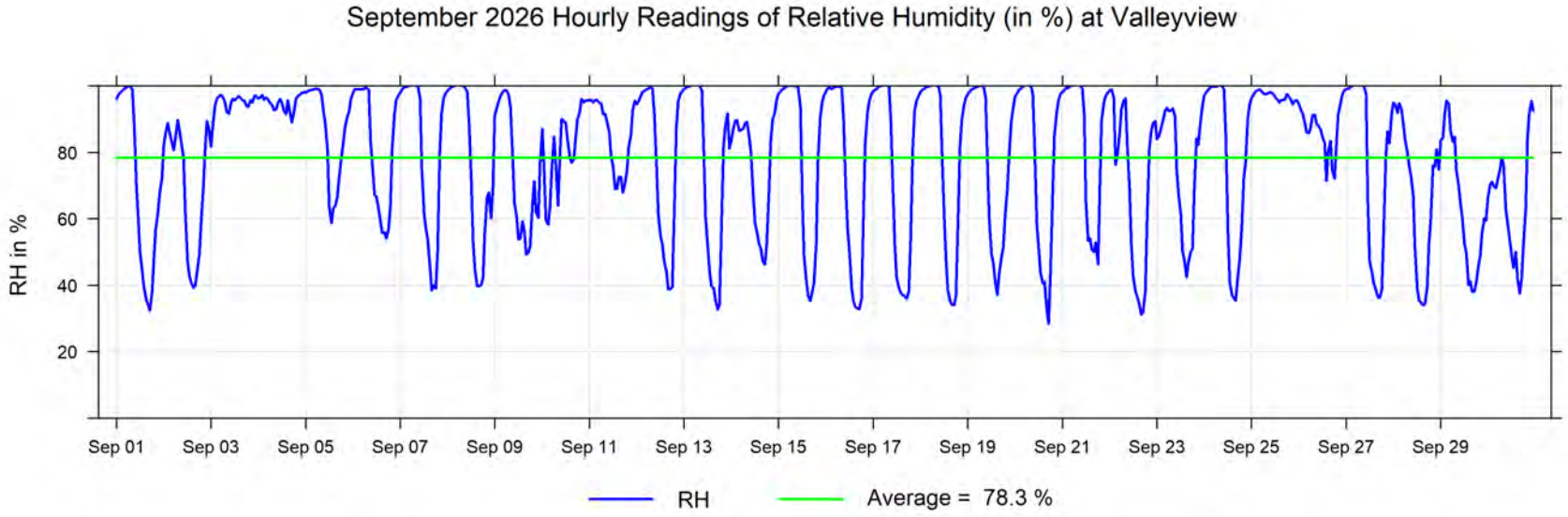

September 2026 Hourly Concentration Readings of SO2 (in ppb) at Valleyview
SO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO2
AAAQO Limit = 172 ppb
Average = 0 ppb

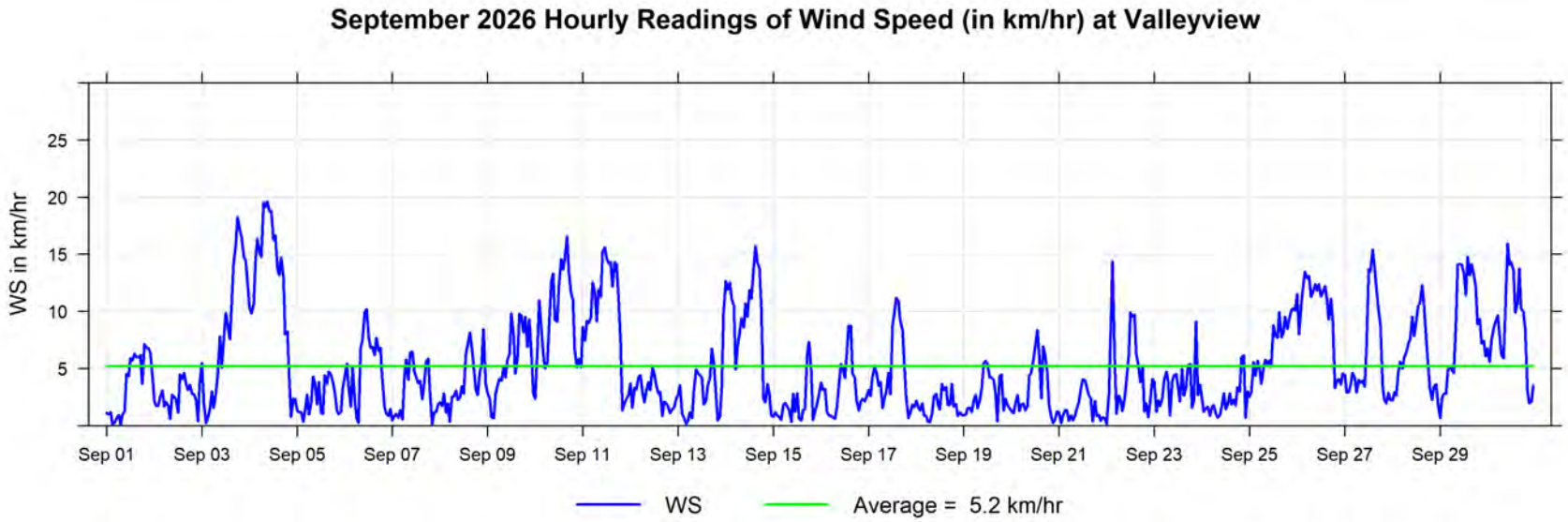

Number of Hours
0
200
400
600
609
61
11
3
1
0
0
1
0
0
0
0
1
0.0
0.5
1.0
1.5
2.0
2.5
3.0
SO2 in ppb

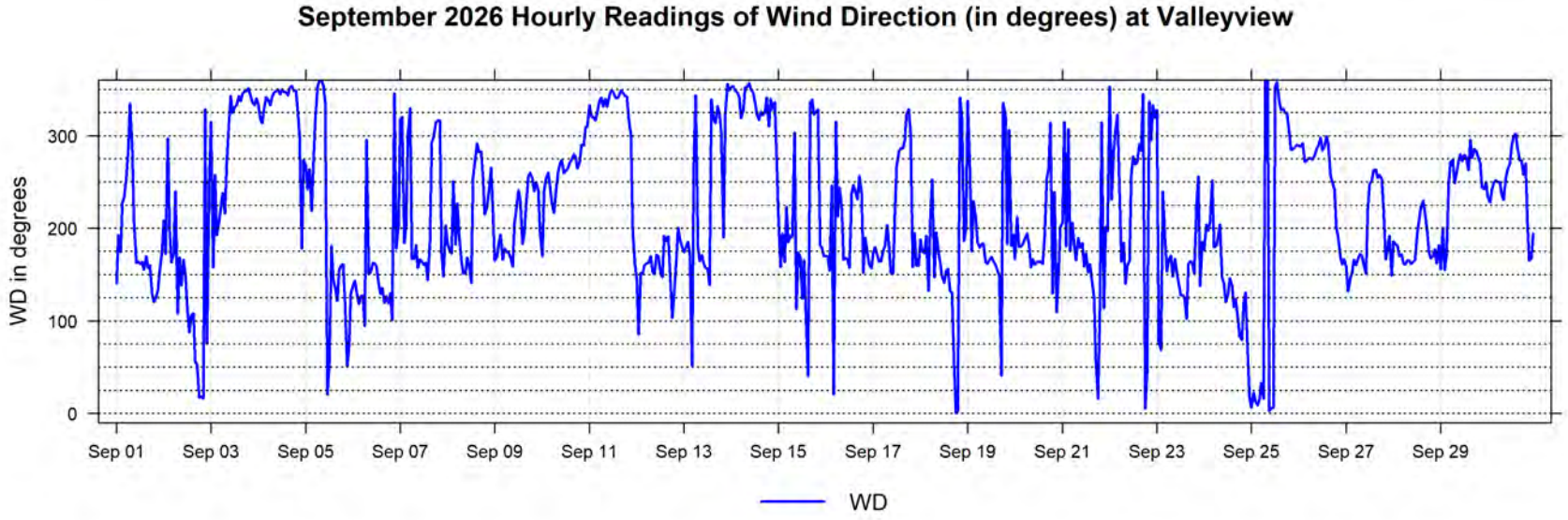

September 2026 Hourly Concentration Readings of H2S (in ppb) at Valleyview
H2S in ppb
10
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
H2S
AAAQO Limit = 10 ppb
Average = 0.1 ppb

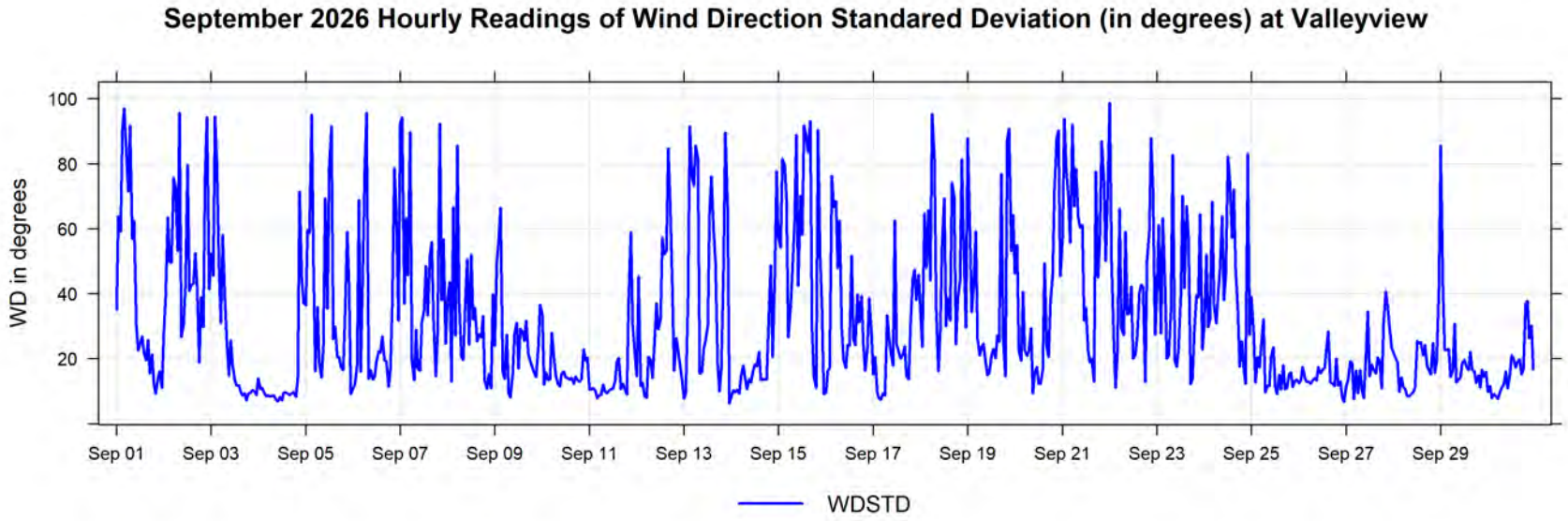

Number of Hours
0
200
400
600
412
149
79
31
11
4
1
0.0
0.5
1.0
1.5
2.0
2.5
3.0
H2S in ppb

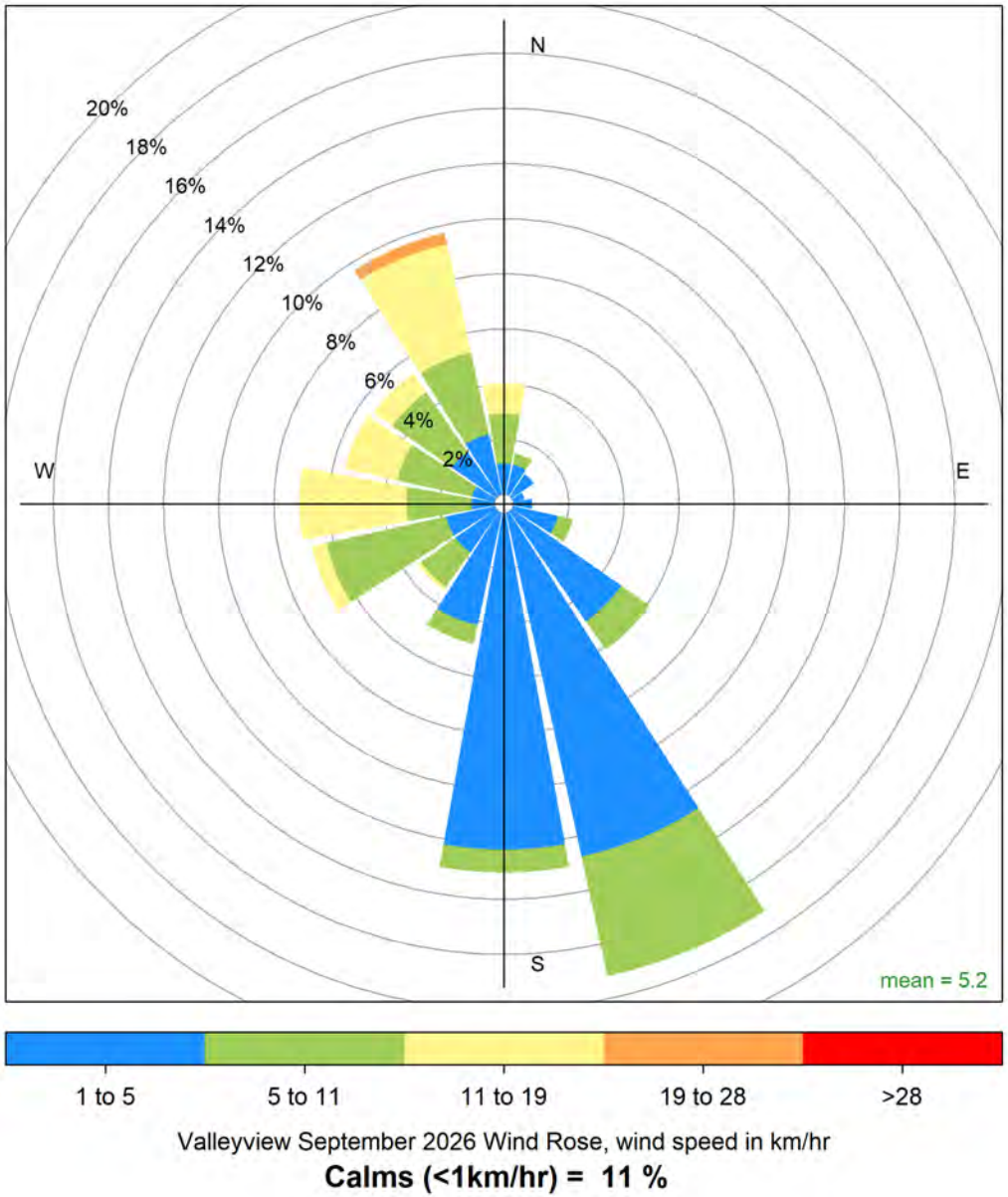

September 2026 Hourly Temperature Readings (in °C) at Valleyview
Temperature in °C
30
20
10
0
-10
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 11.2 °C


September 2026 Hourly Readings of Relative Humidity (in %) at Valleyview
RH in %
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
RH
Average = 78.3 %


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


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


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

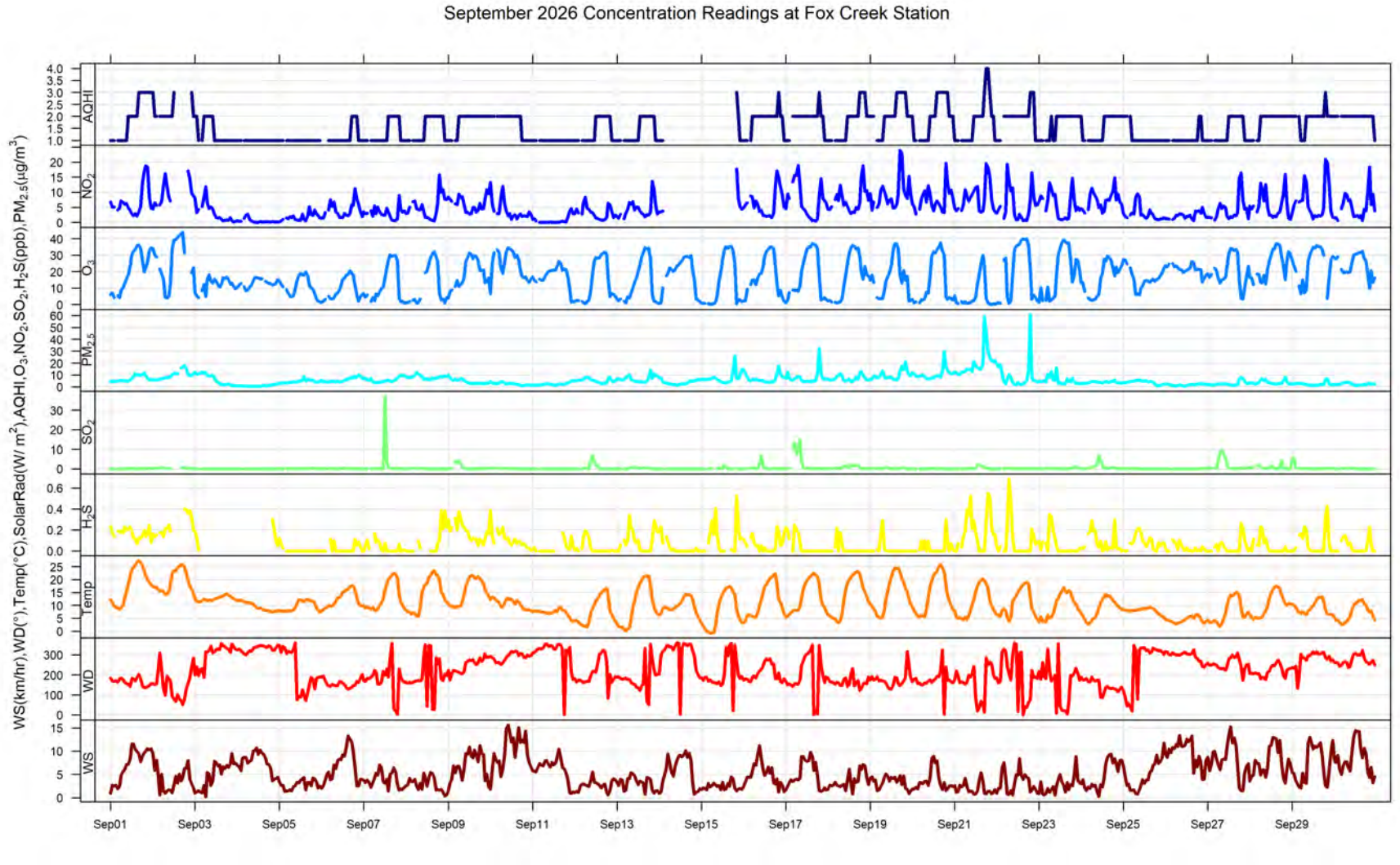


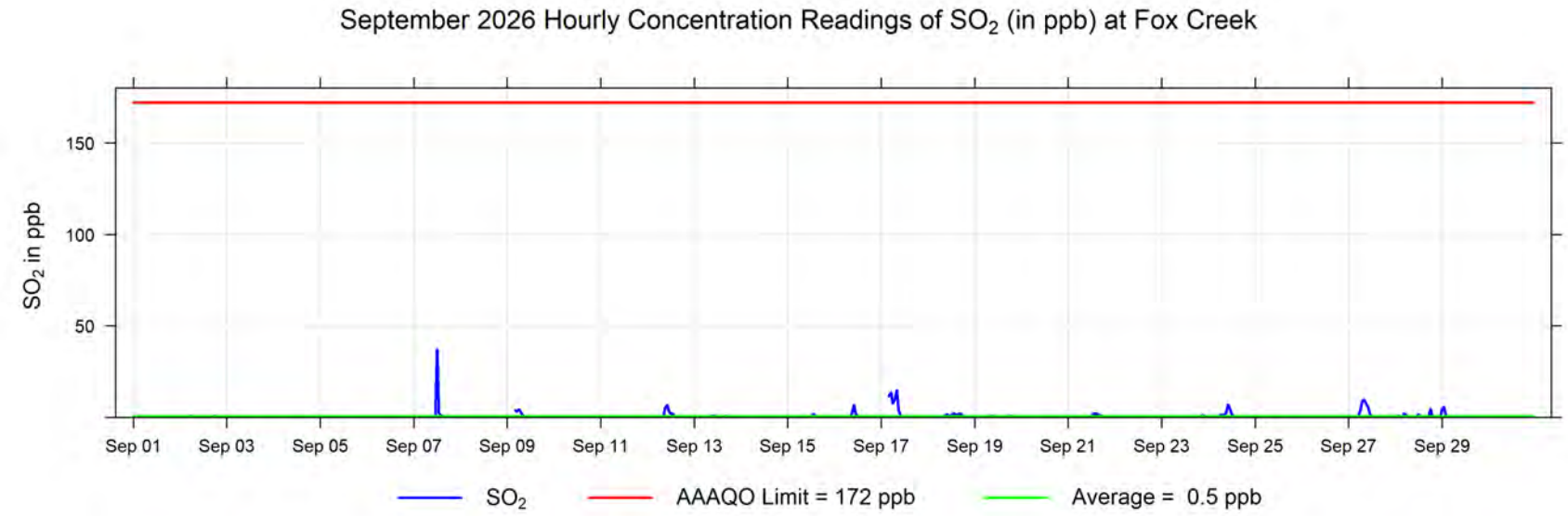
Valleyview September 2026 Wind Rose, wind speed in km/hr

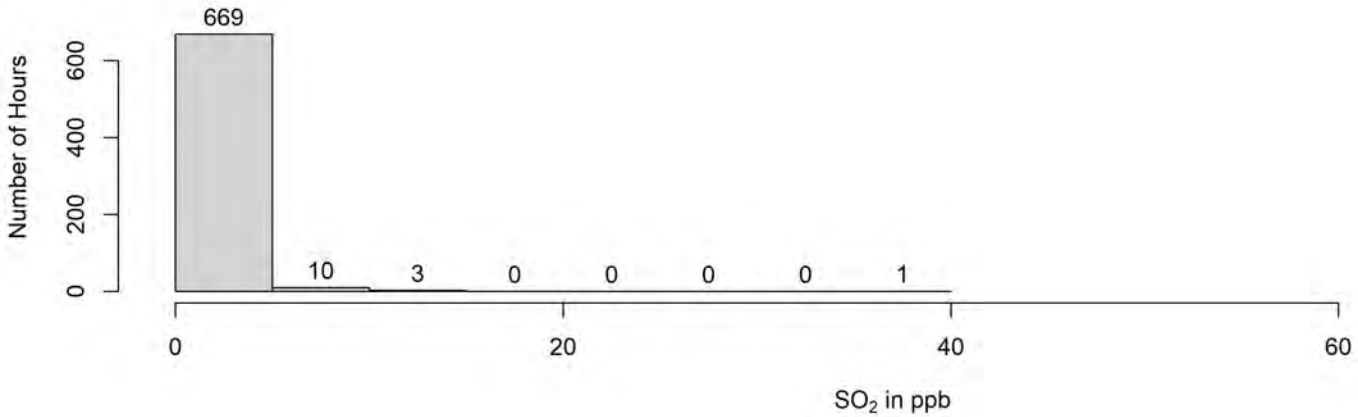
Calms (<1km/hr) = 11 %

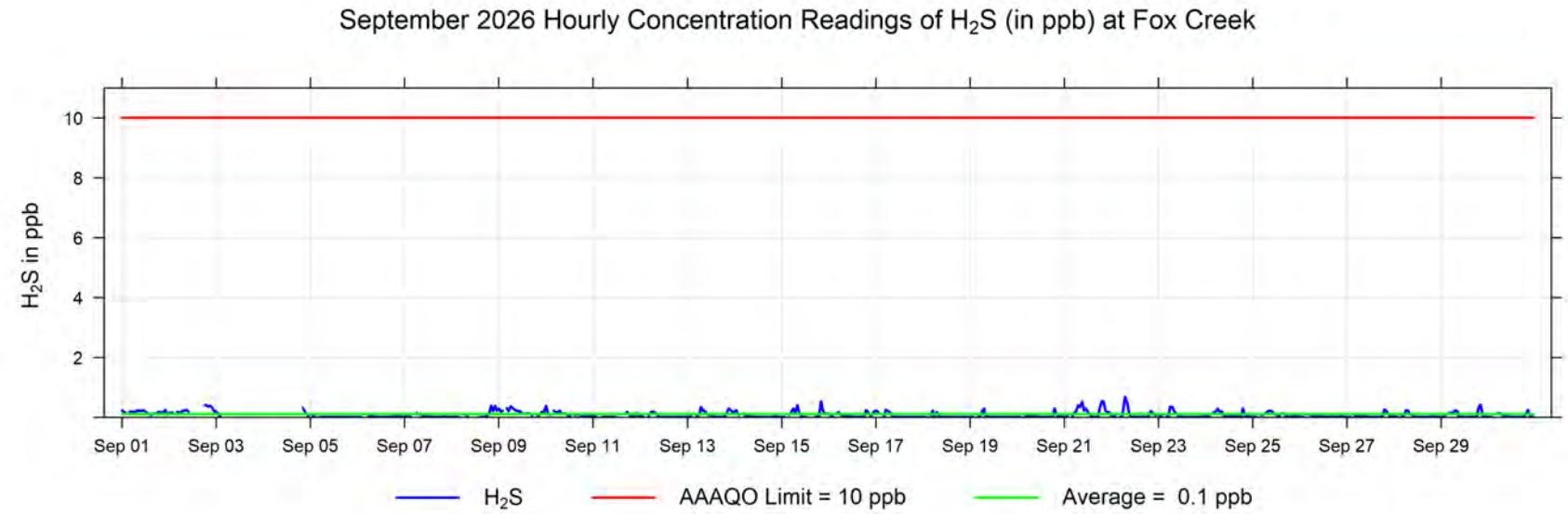
7 Fox Creek Charts

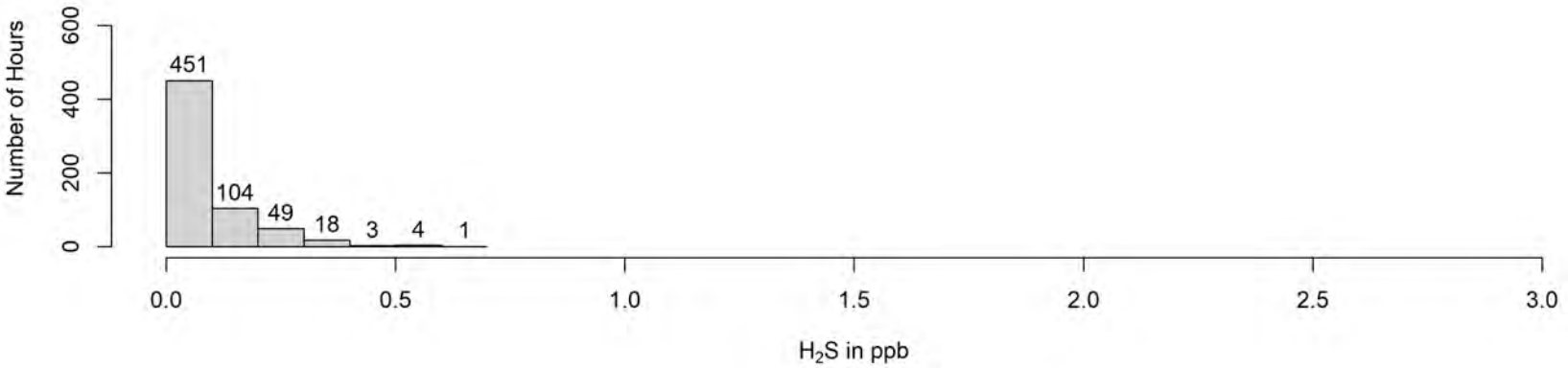
The following pages include the charts and histograms for Fox Creek Station

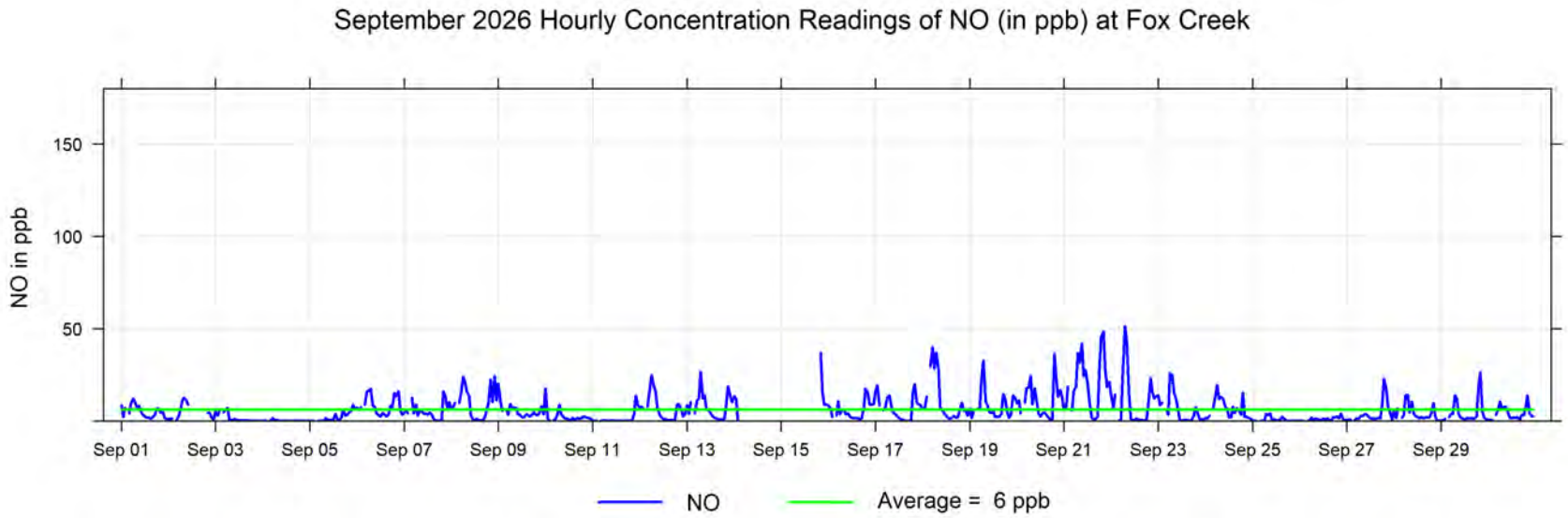


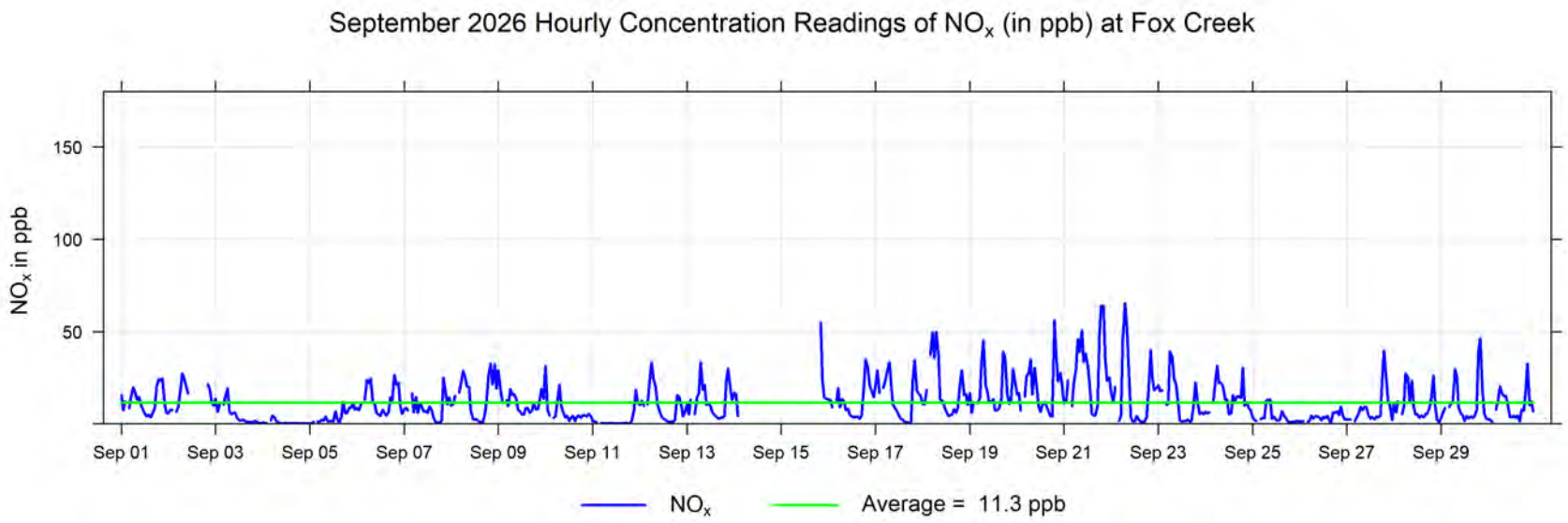

September 2026 Hourly Concentration Readings of SO2 (in ppb) at Fox Creek
SO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO2
AAAQO Limit = 172 ppb
Average = 0.5 ppb

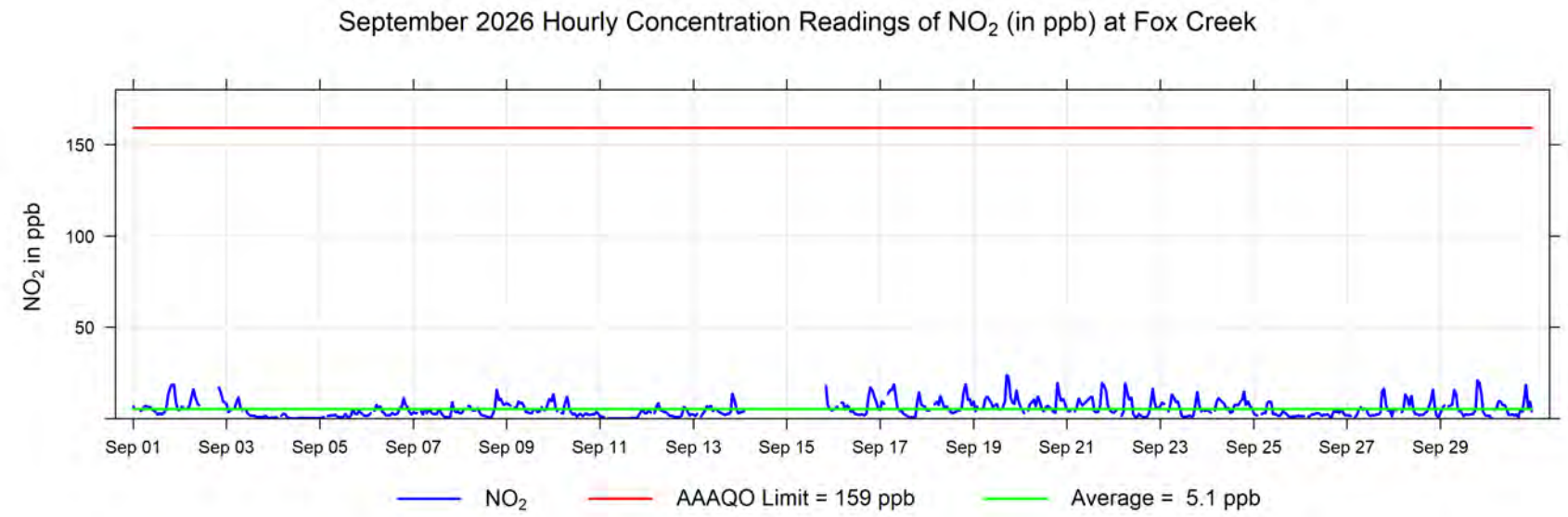

Number of Hours
0
200
400
600
669
10
3
0
0
0
0
1
0
20
40
60
SO2 in ppb

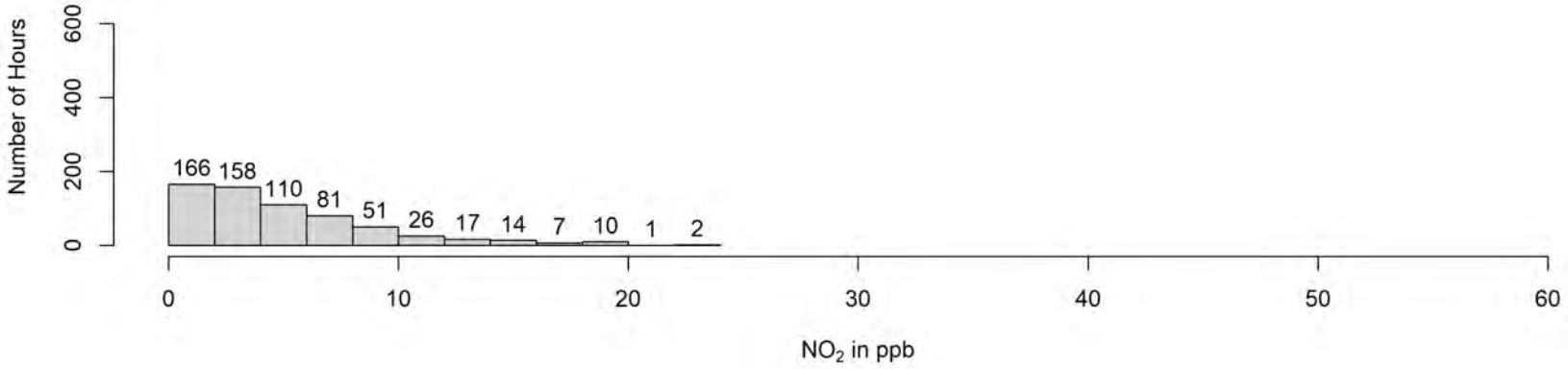

September 2026 Hourly Concentration Readings of H2S (in ppb) at Fox Creek
H2S in ppb
10
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
H2S
AAAQO Limit = 10 ppb
Average = 0.1 ppb

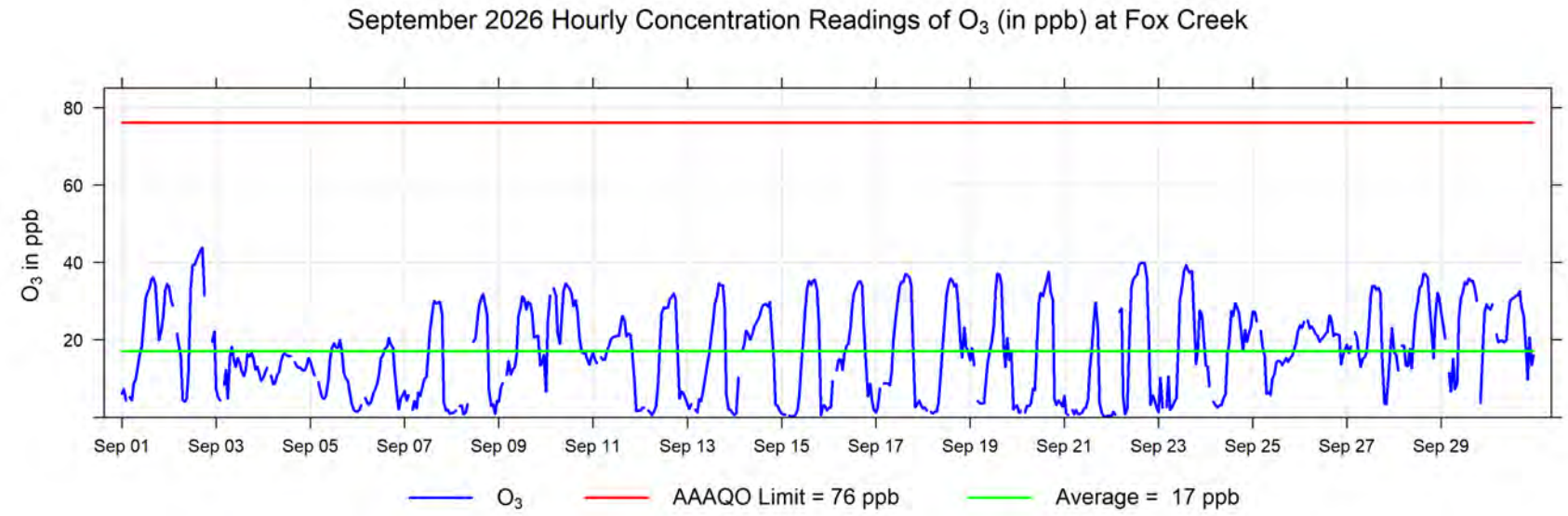

Number of Hours
0
200
400
600
451
104
49
18
3
4
1
0.0
0.5
1.0
1.5
2.0
2.5
3.0
H2S in ppb

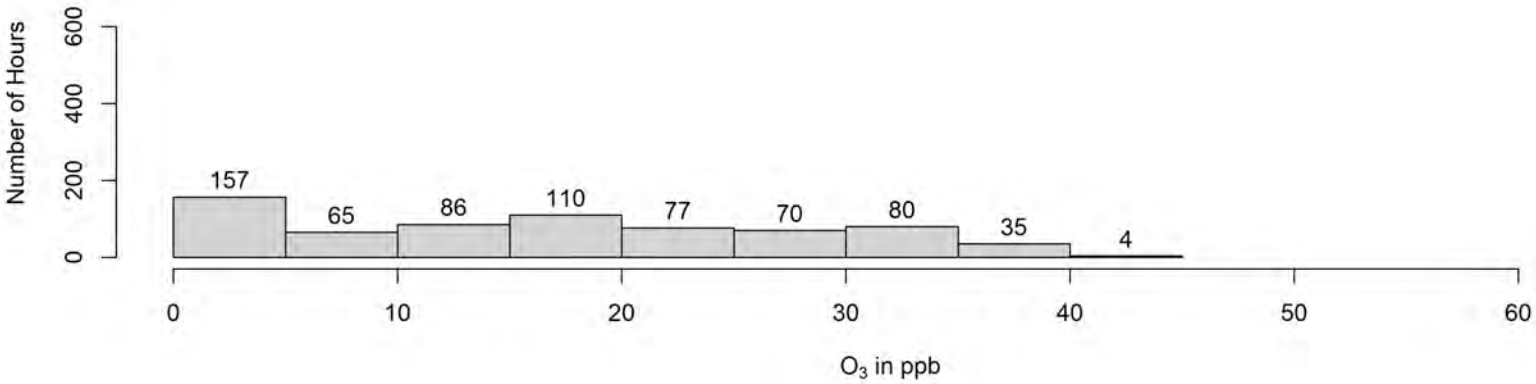

September 2026 Hourly Concentration Readings of NO (in ppb) at Fox Creek
NO in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO
Average = 6 ppb

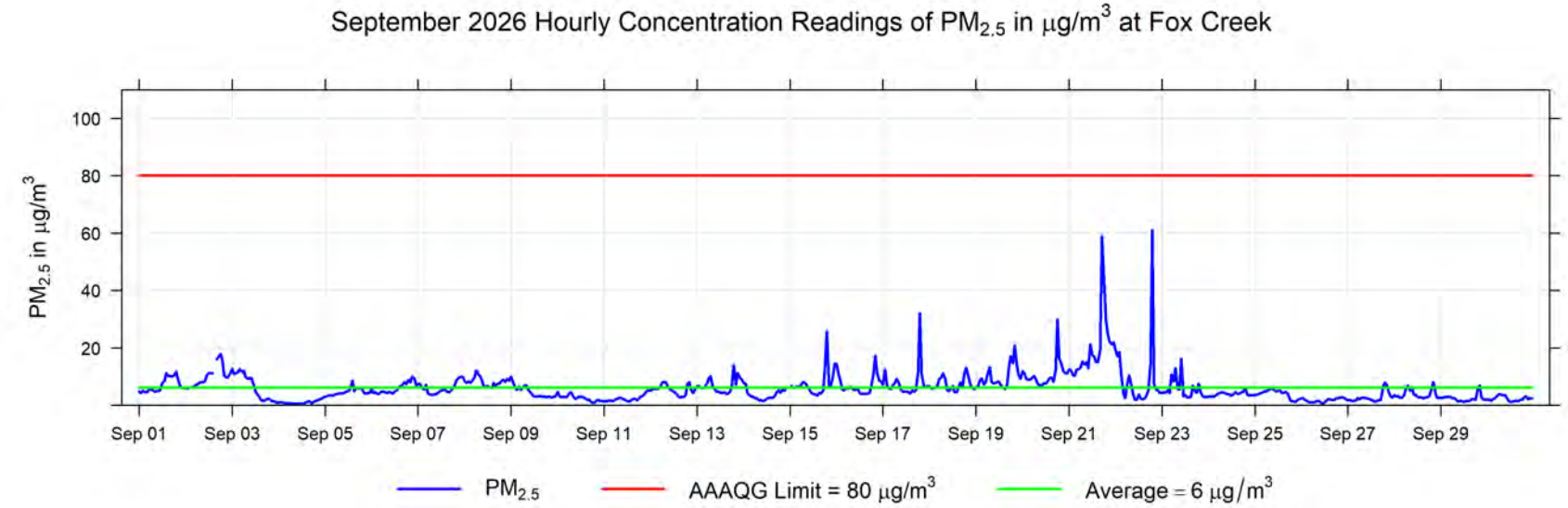

September 2026 Hourly Concentration Readings of NOx (in ppb) at Fox Creek
NOx in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NOx
Average = 11.3 ppb

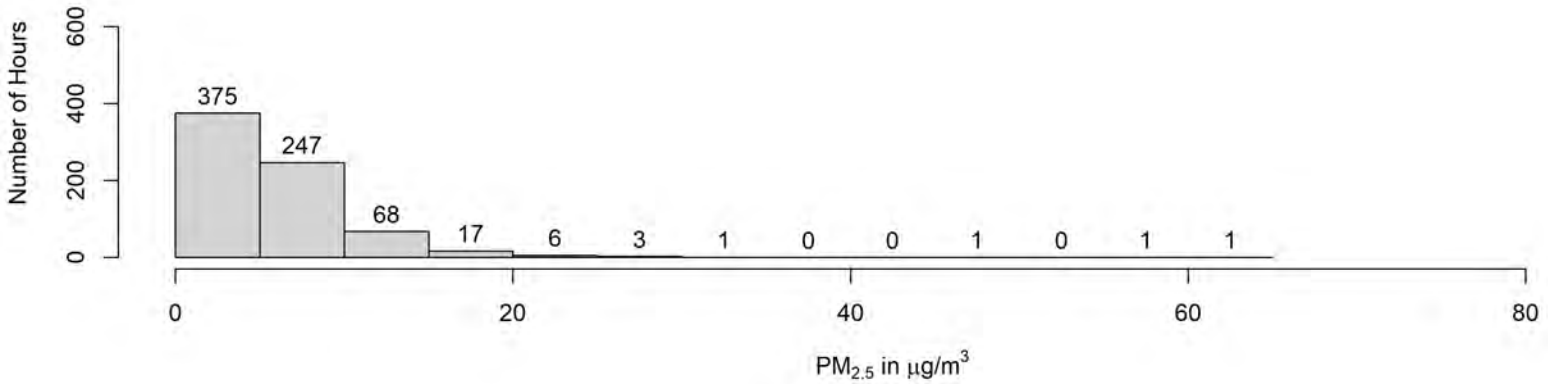

September 2026 Hourly Concentration Readings of NO2 (in ppb) at Fox Creek
NO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO2
AAAQO Limit = 159 ppb
Average = 5.1 ppb

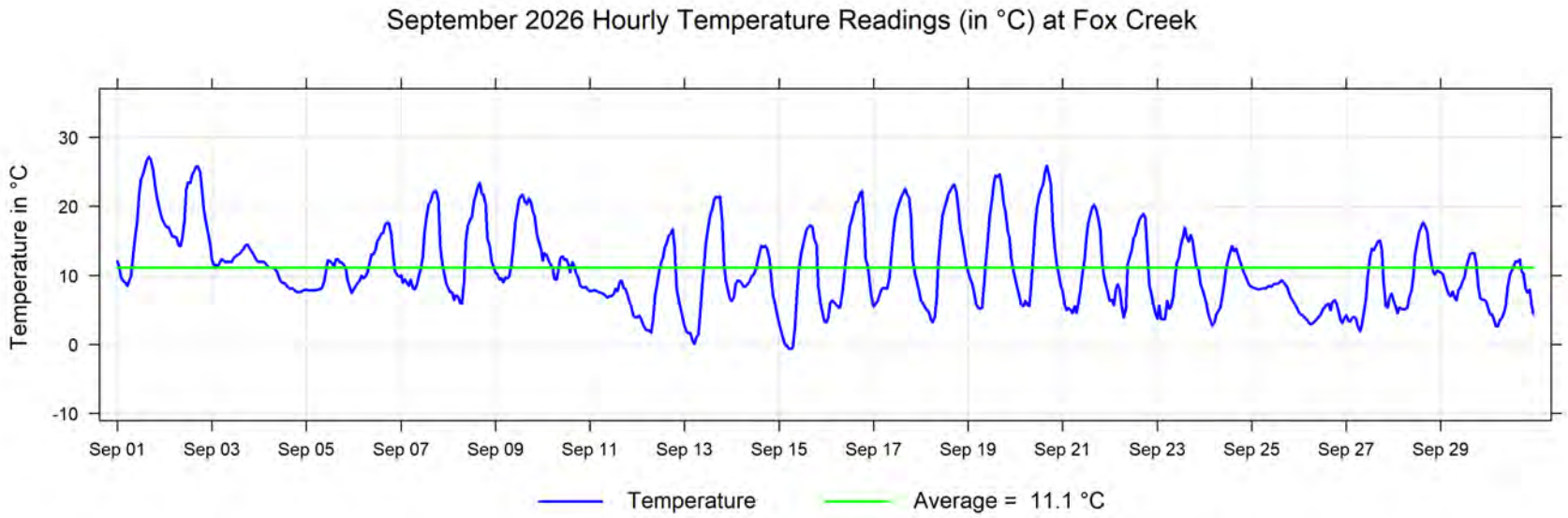

Number of Hours
0
200
400
600
166
158
110
81
51
26
17
14
7
10
1
2
0
10
20
30
40
50
60
NO2 in ppb

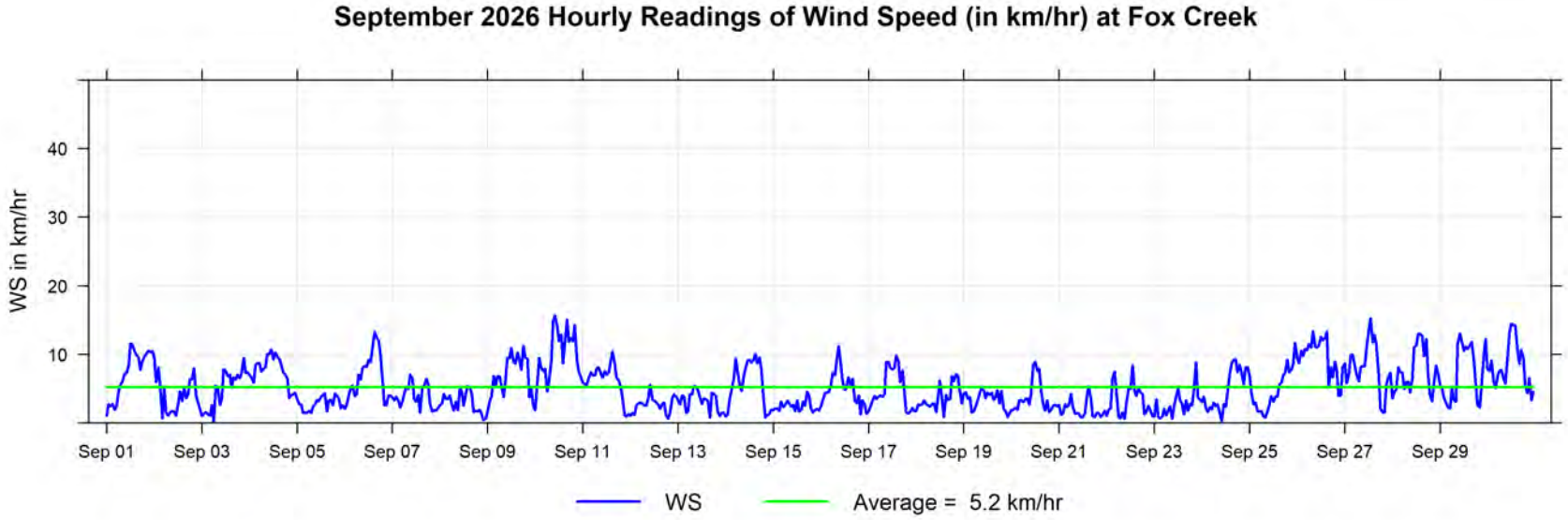

September 2026 Hourly Concentration Readings of O_3 (in ppb) at Fox Creek
O_3 in ppb
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
O_3
AAAQO Limit = 76 ppb
Average = 17 ppb

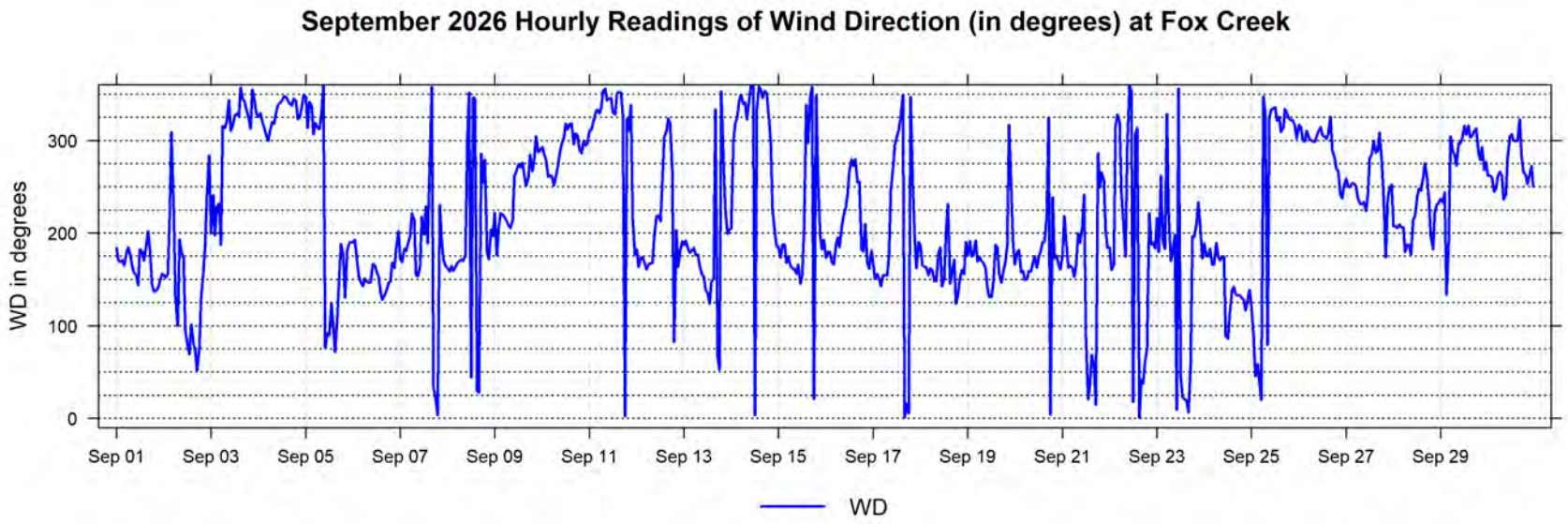

Number of Hours
0
200
400
600
157
65
86
110
77
70
80
35
4
0
10
20
30
40
50
60
O_3 in ppb

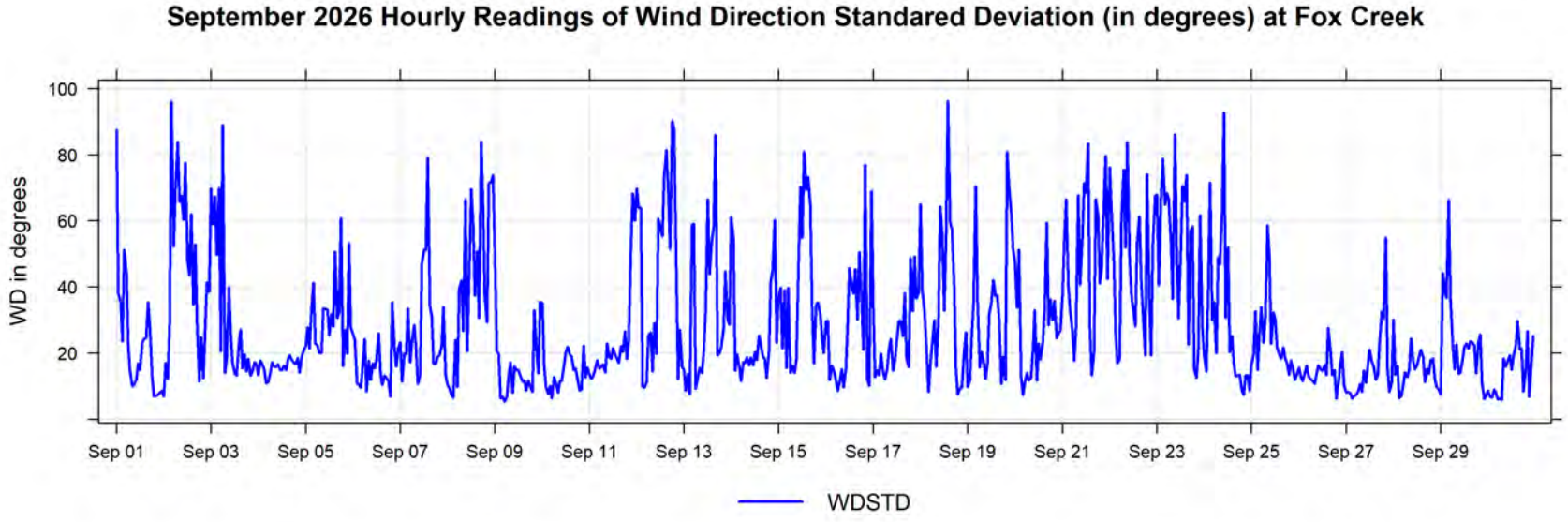

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Fox Creek
PM2.5 in µg/m3
100
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 6 µg/m3

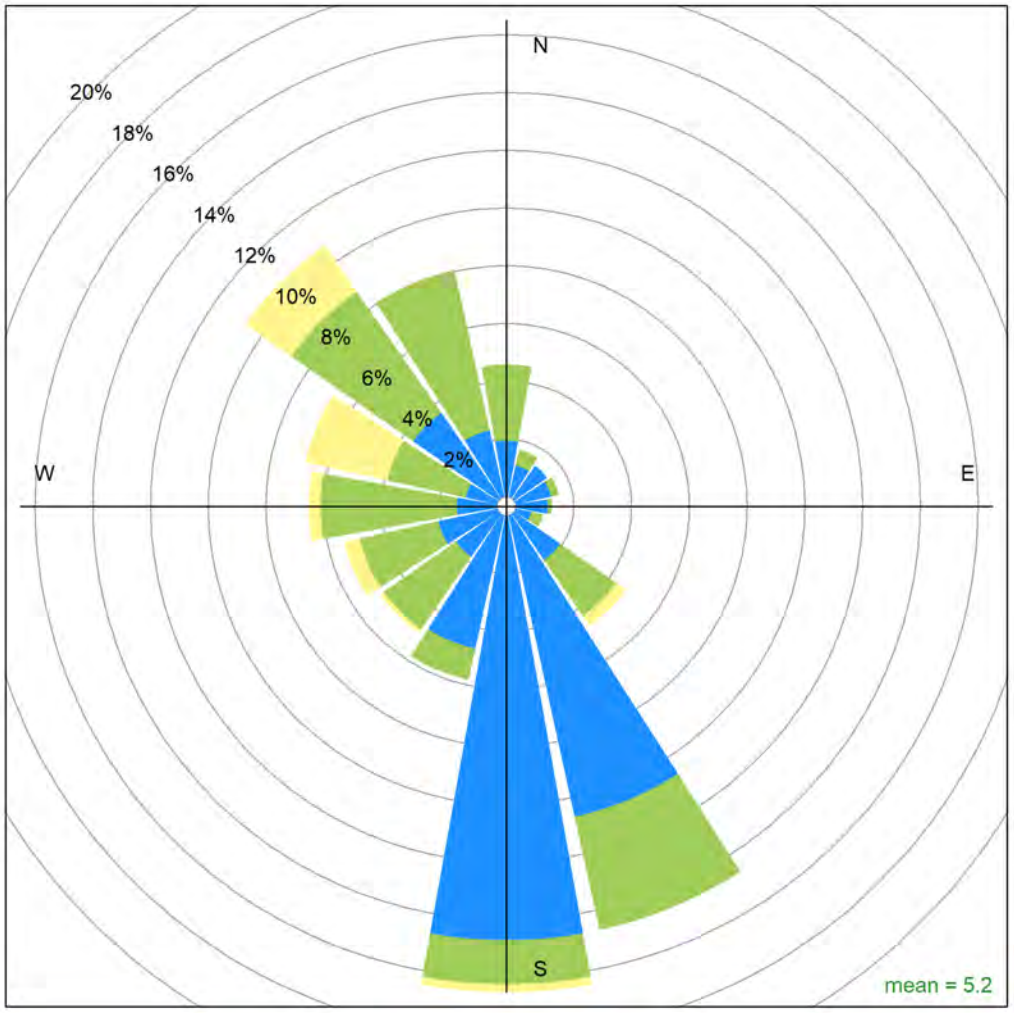

Number of Hours
0
200
400
600
375
247
68
17
6
3
1
0
0
1
0
1
1
0
20
40
60
80
PM2.5 in µg/m3


September 2026 Hourly Temperature Readings (in °C) at Fox Creek
Temperature in °C
30
20
10
0
-10
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 11.1 °C


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


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


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

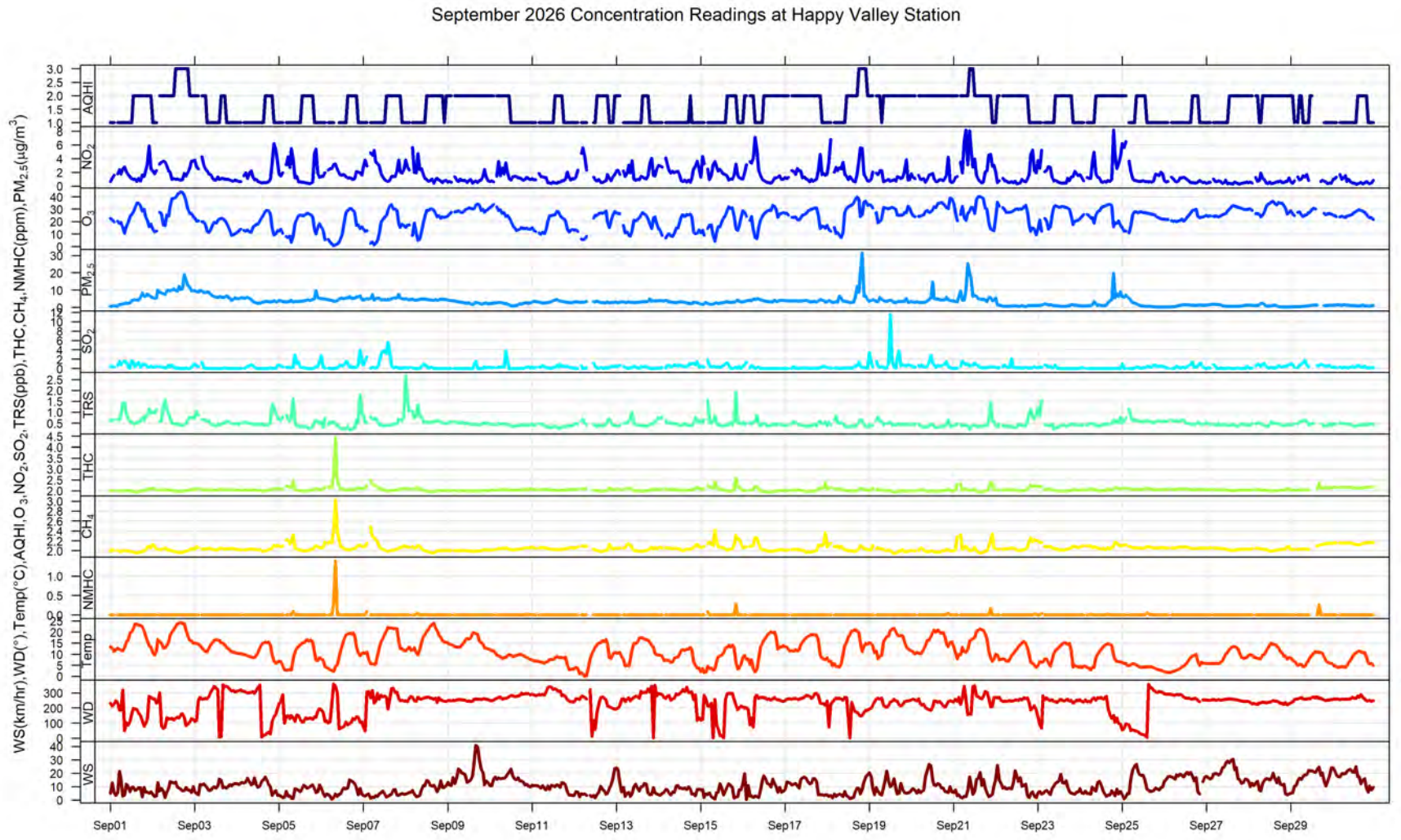


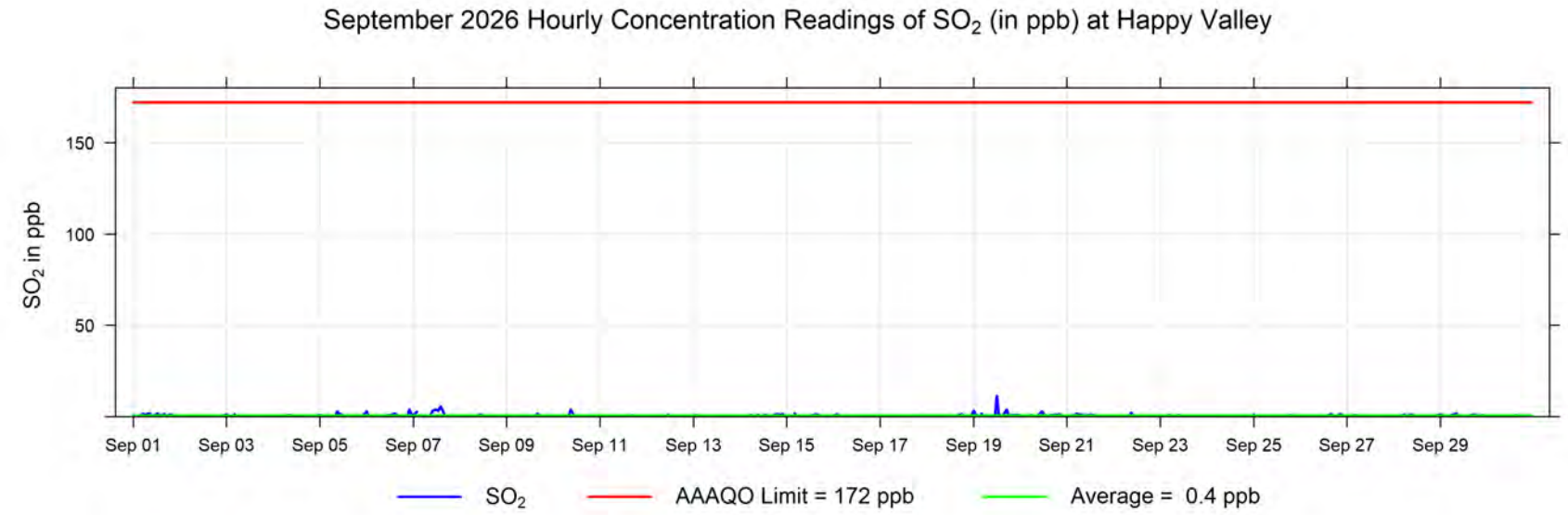
Fox Creek September 2026 Wind Rose, wind speed in km/hr

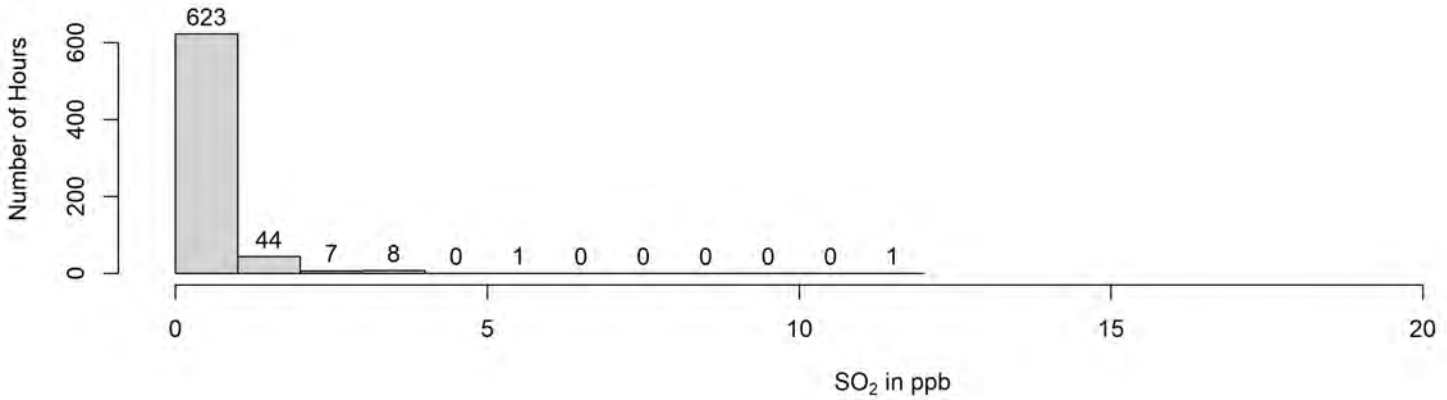
Calms (<1km/hr) = 4.4 %

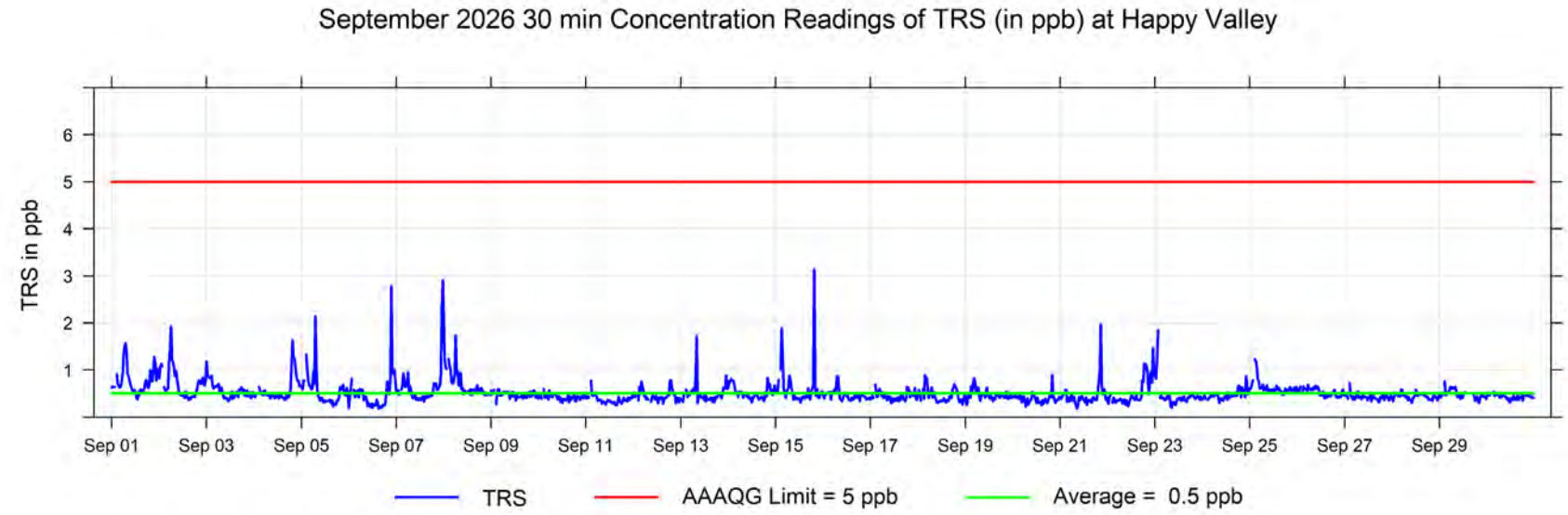
8 Happy Valley (Portable) Charts

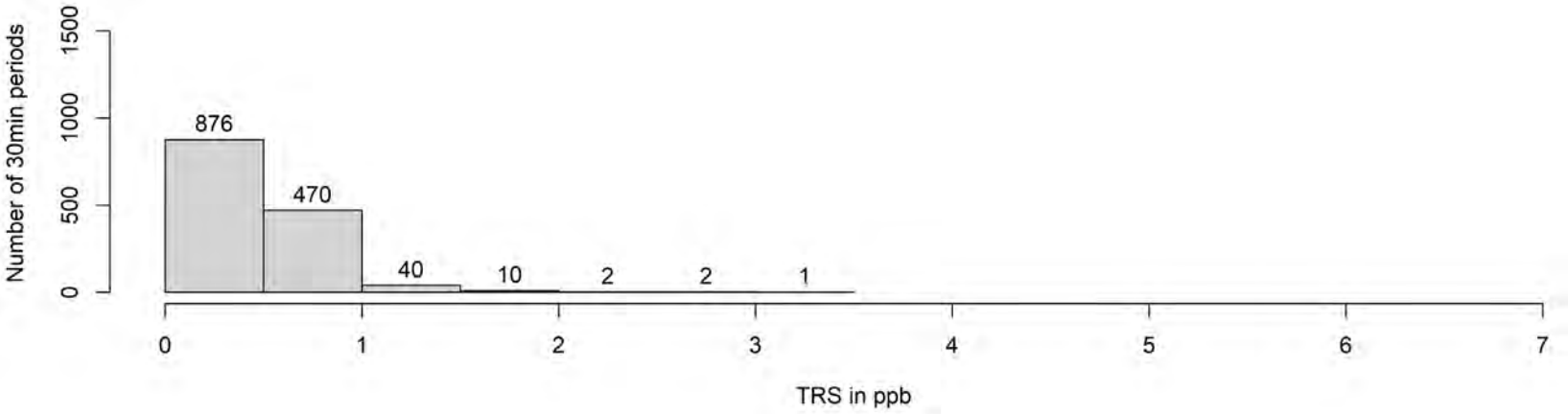
The following pages include the charts and histograms for Happy Valley Portable Station

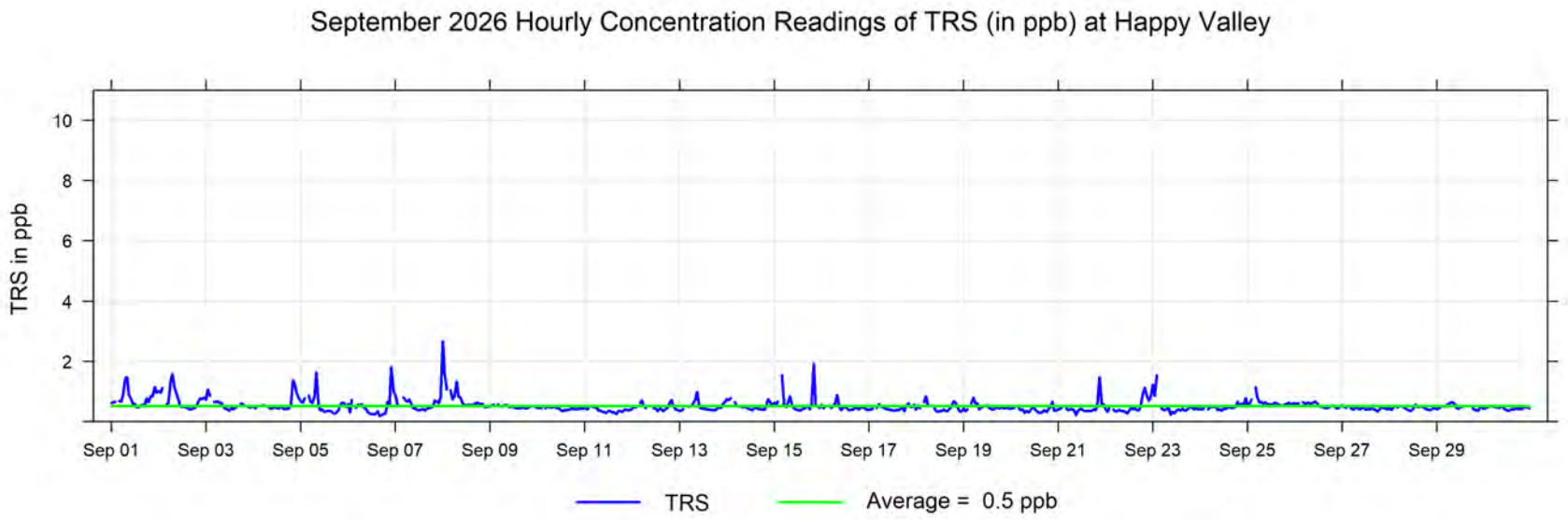


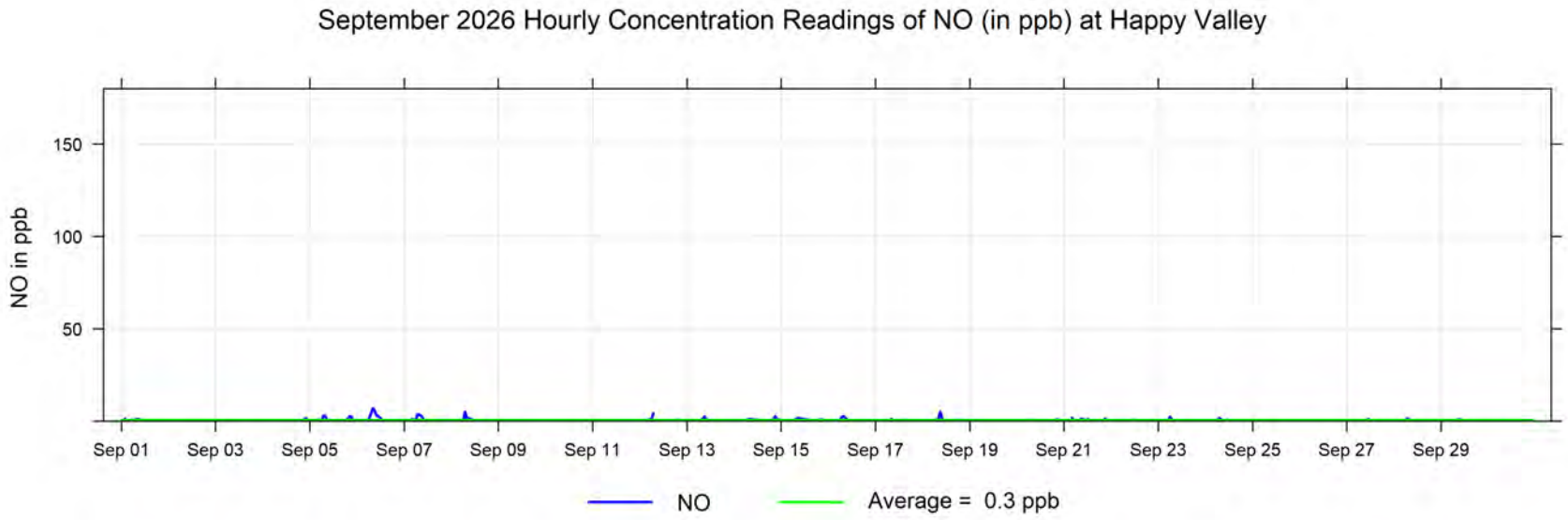

September 2026 Hourly Concentration Readings of SO2 (in ppb) at Happy Valley
SO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
SO2
AAAQO Limit = 172 ppb
Average = 0.4 ppb

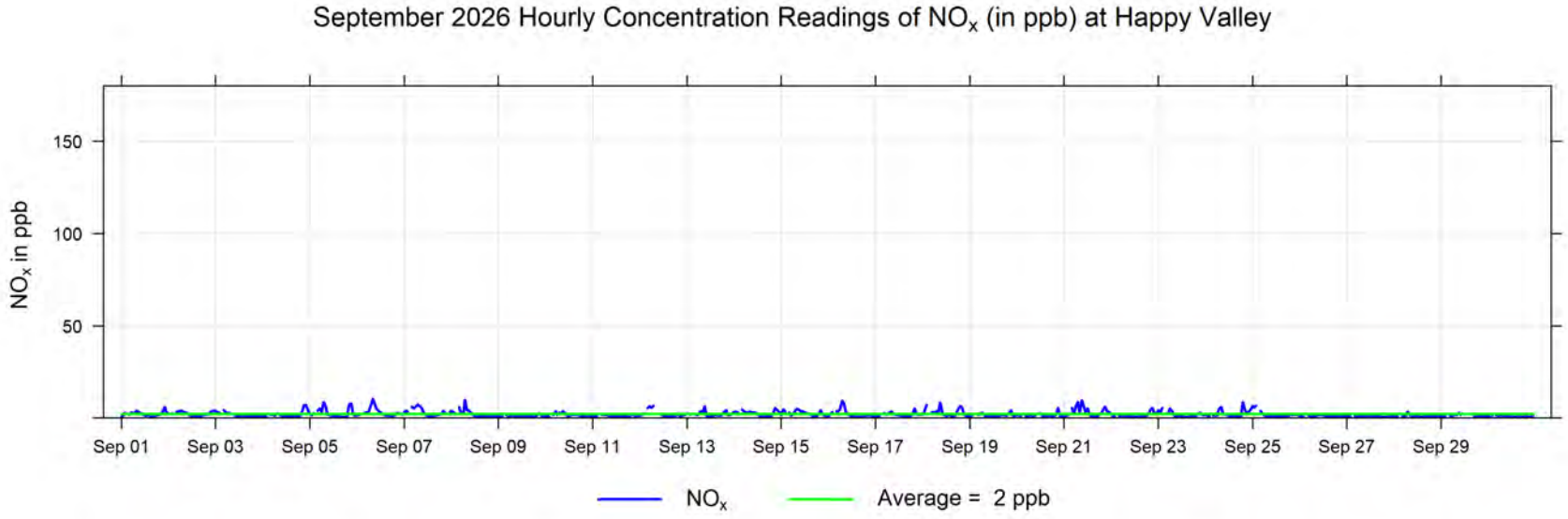

Number of Hours
0
200
400
600
623
44
7
8
0
1
0
0
0
0
0
1
0
5
10
15
20
SO2 in ppb

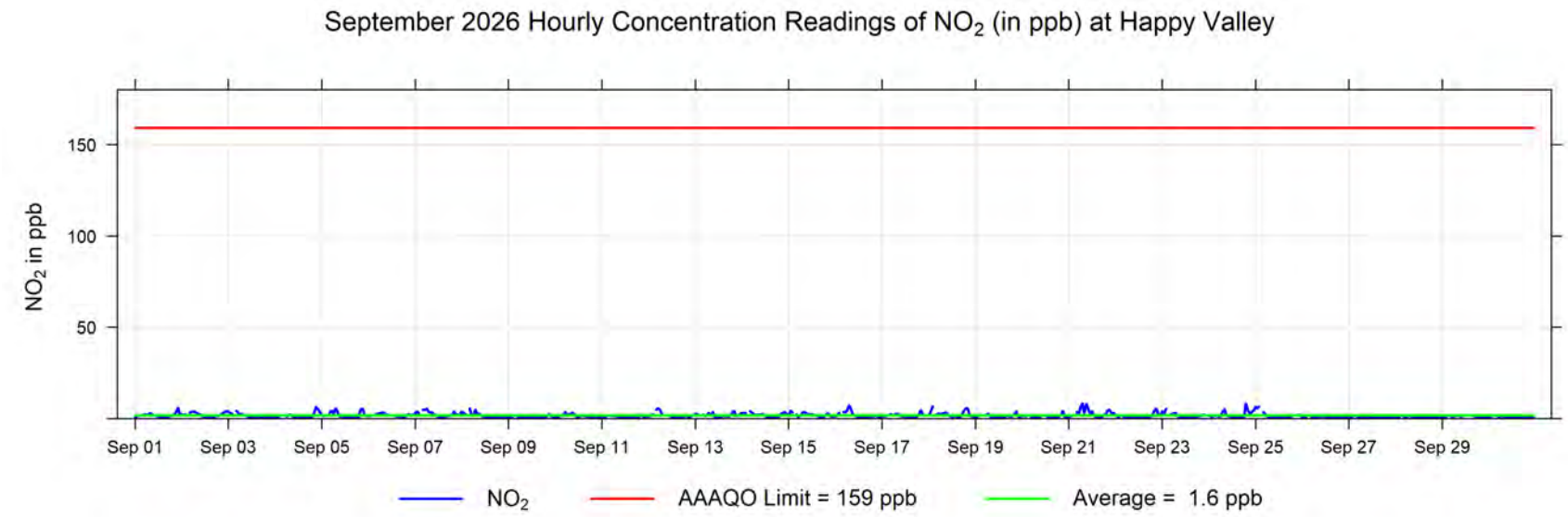

September 2026 30 min Concentration Readings of TRS (in ppb) at Happy Valley
TRS in ppb
6
5
4
3
2
1
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
TRS
AAAQG Limit = 5 ppb
Average = 0.5 ppb

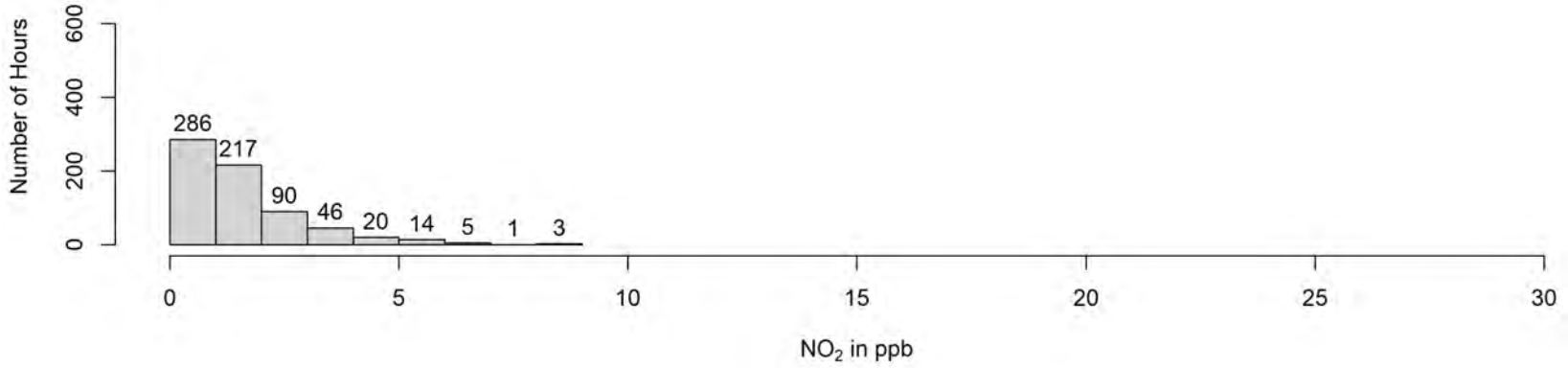

Number of 30min periods
0
500
1000
1500
876
470
40
10
2
2
1
0
1
2
3
4
5
6
7
TRS in ppb

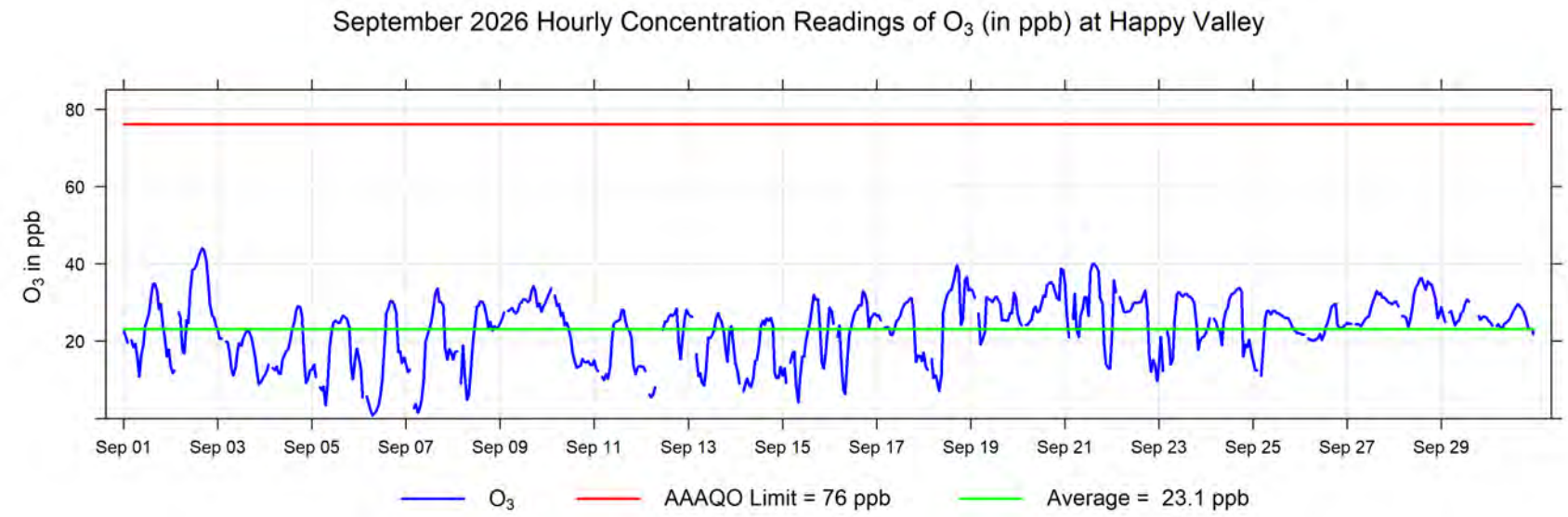

September 2026 Hourly Concentration Readings of TRS (in ppb) at Happy Valley
TRS in ppb
10
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
TRS
Average = 0.5 ppb

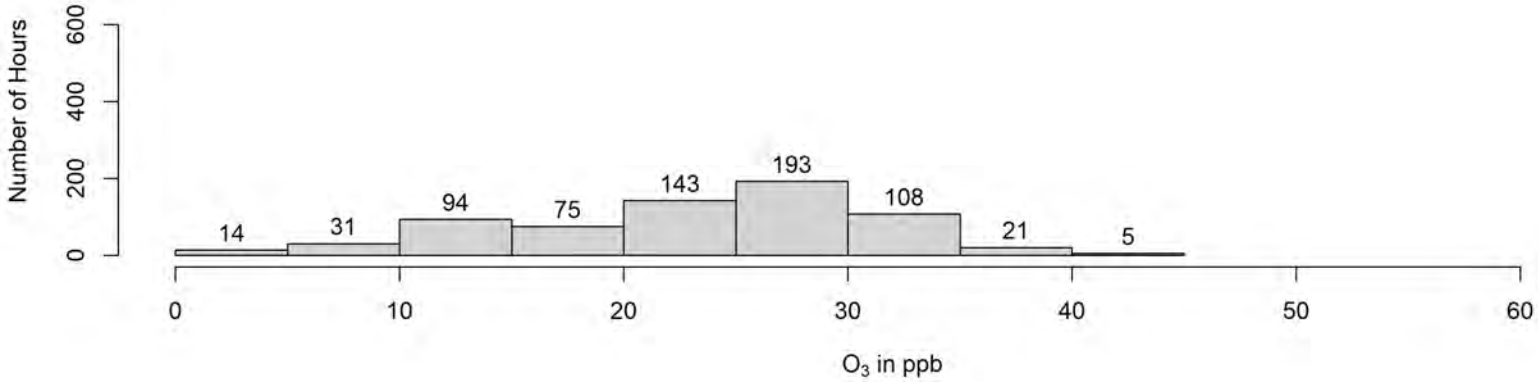

September 2026 Hourly Concentration Readings of NO (in ppb) at Happy Valley
NO in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO
Average = 0.3 ppb

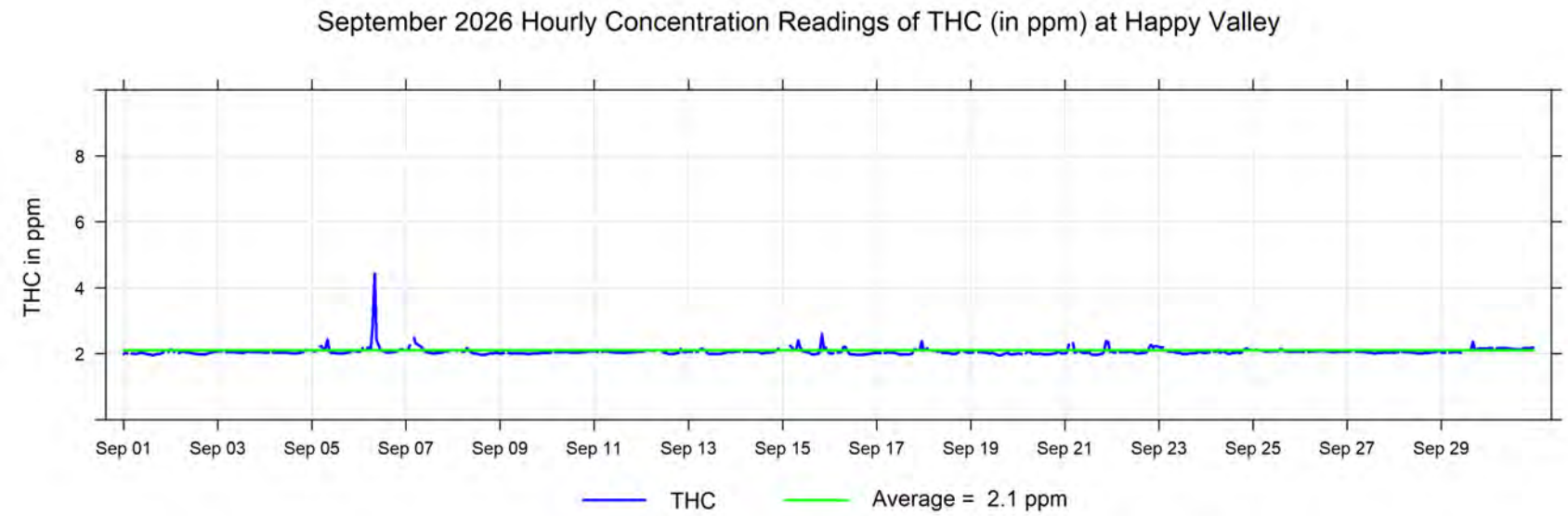

September 2026 Hourly Concentration Readings of NOx (in ppb) at Happy Valley
NOx in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NOx
Average = 2 ppb

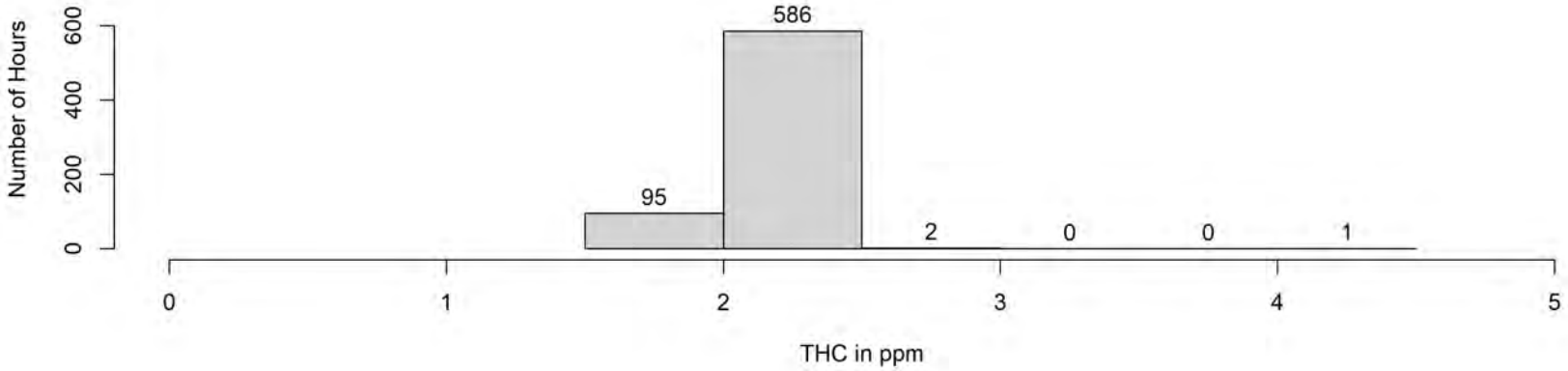

September 2026 Hourly Concentration Readings of NO2 (in ppb) at Happy Valley
NO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO2
AAAQO Limit = 159 ppb
Average = 1.6 ppb

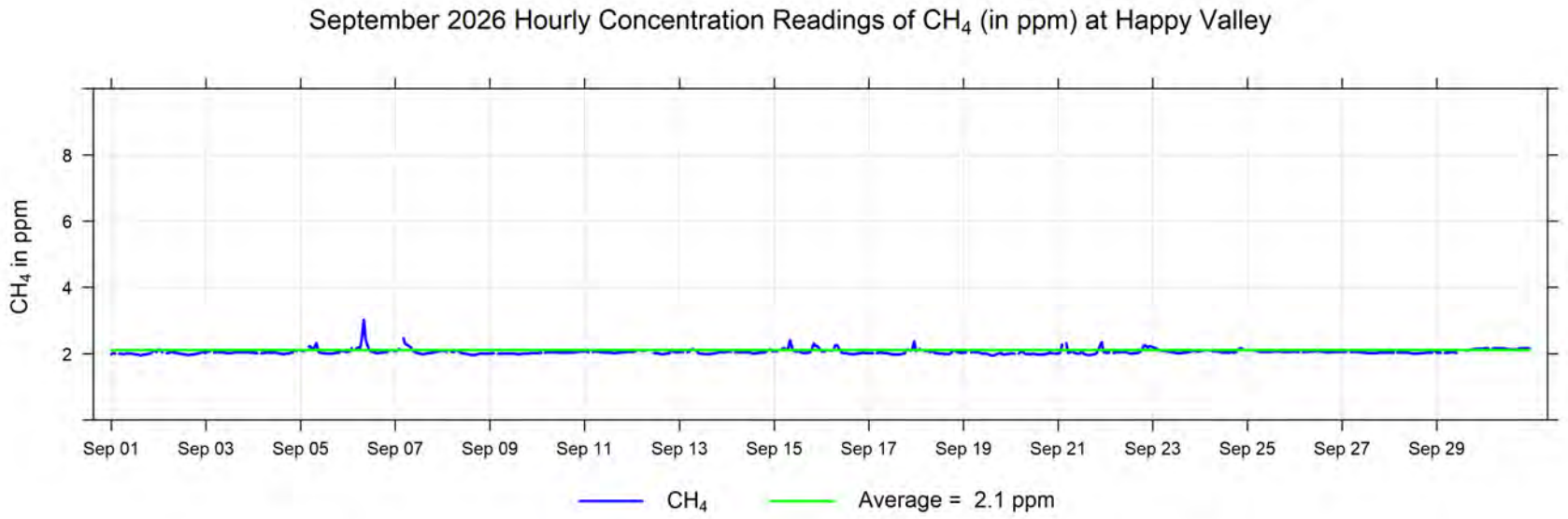

Number of Hours
0
200
400
600
286
217
90
46
20
14
5
1
3
0
5
10
15
20
25
30
NO2 in ppb

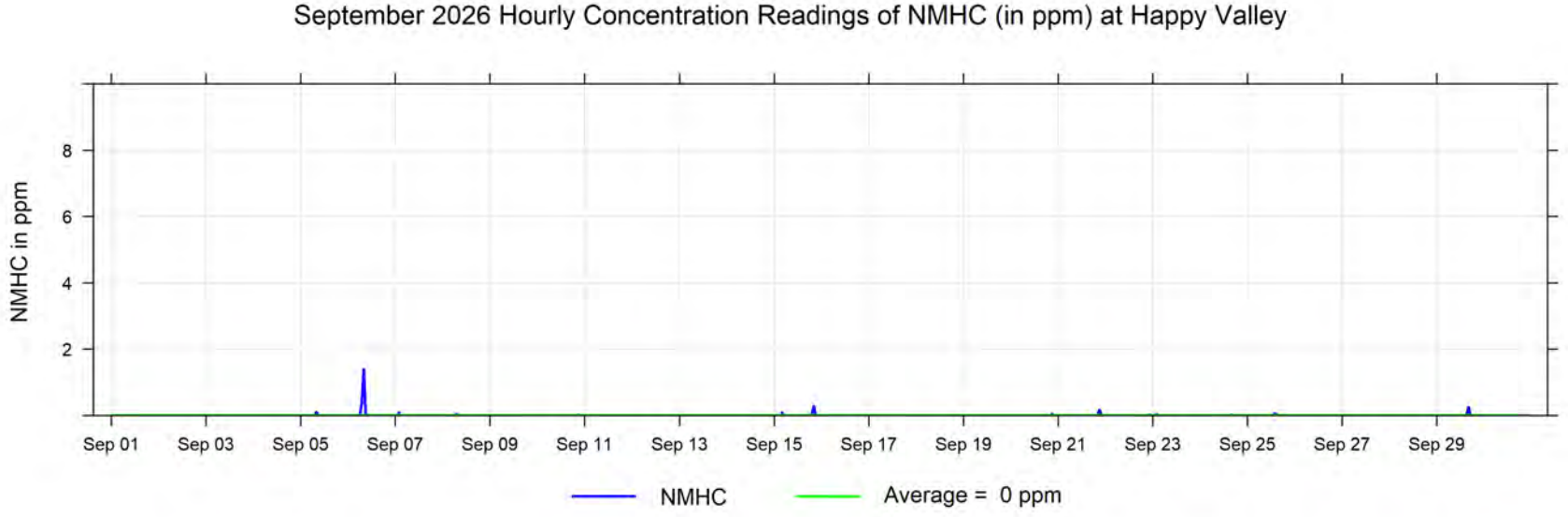

September 2026 Hourly Concentration Readings of O_3 (in ppb) at Happy Valley
O_3 in ppb
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
O_3
AAAQO Limit = 76 ppb
Average = 23.1 ppb

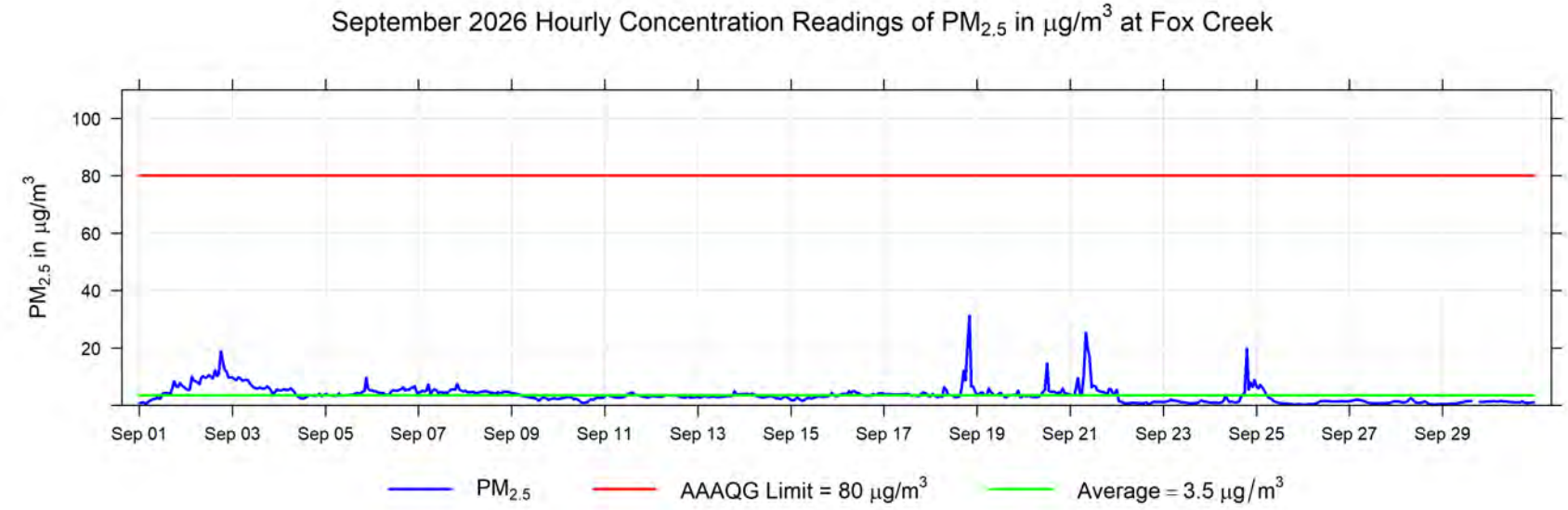

Number of Hours
0
200
400
600
14
31
94
75
143
193
108
21
5
0
10
20
30
40
50
60
O_3 in ppb

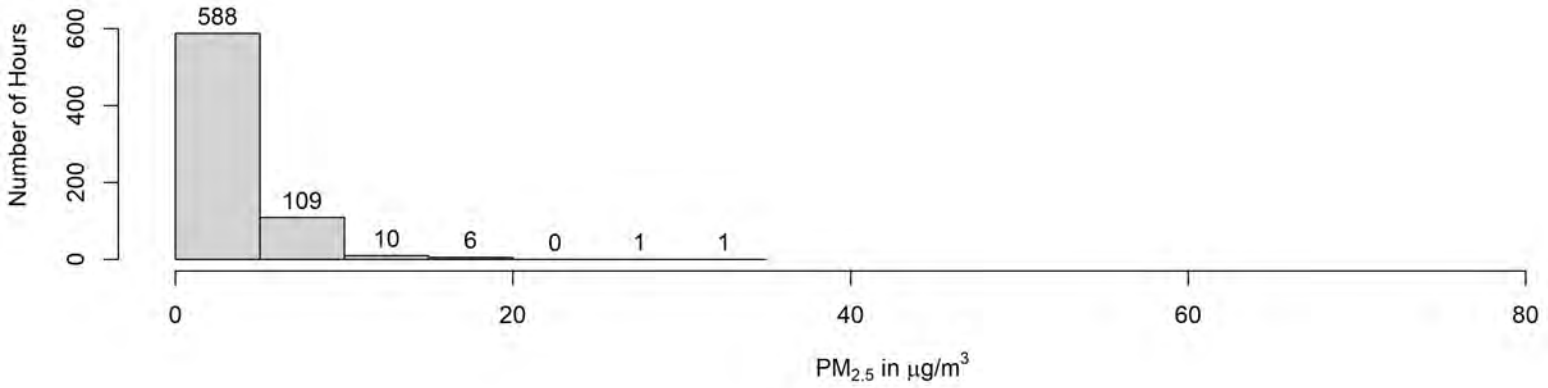

September 2026 Hourly Concentration Readings of THC (in ppm) at Happy Valley
THC in ppm
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
THC
Average = 2.1 ppm

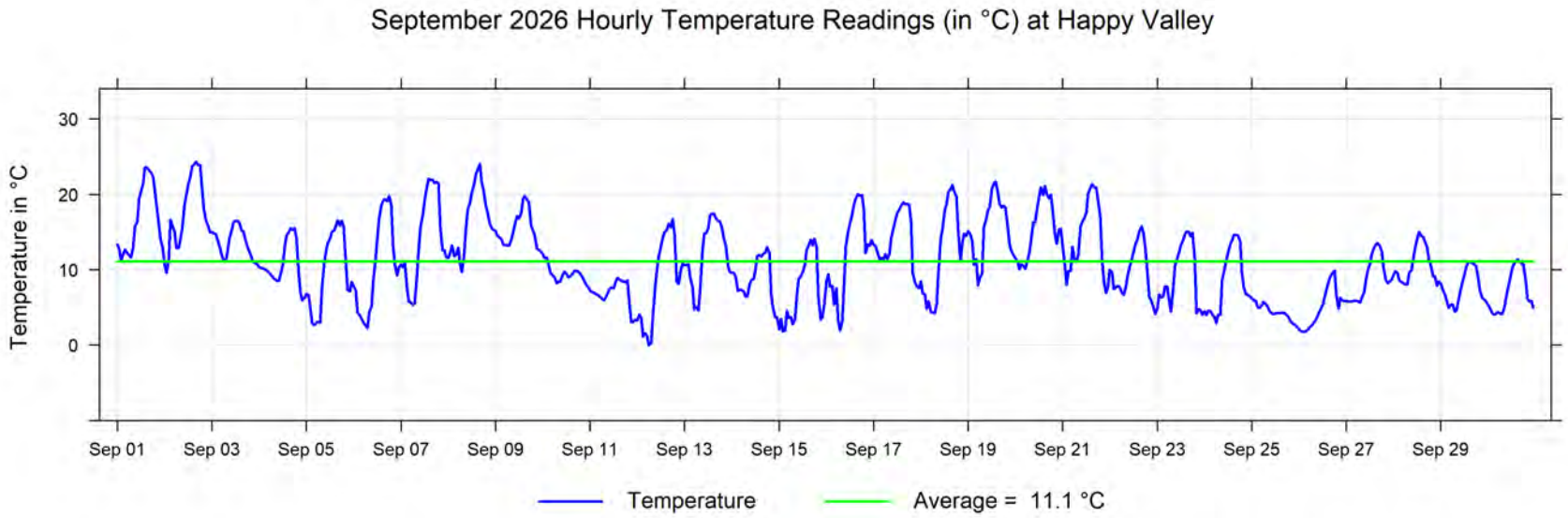

Number of Hours
0
200
400
600
586
95
2
0
0
1
0
1
2
3
4
5
THC in ppm

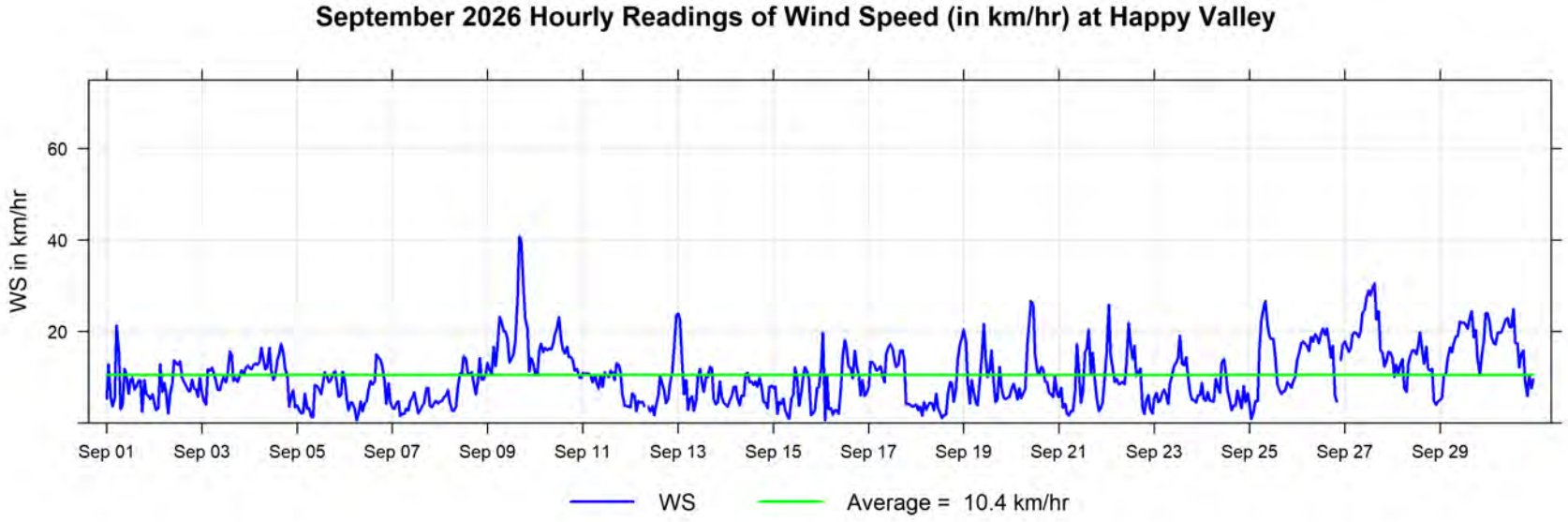

September 2026 Hourly Concentration Readings of CH_4 (in ppm) at Happy Valley
CH_4 in ppm
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
CH_4
Average = 2.1 ppm

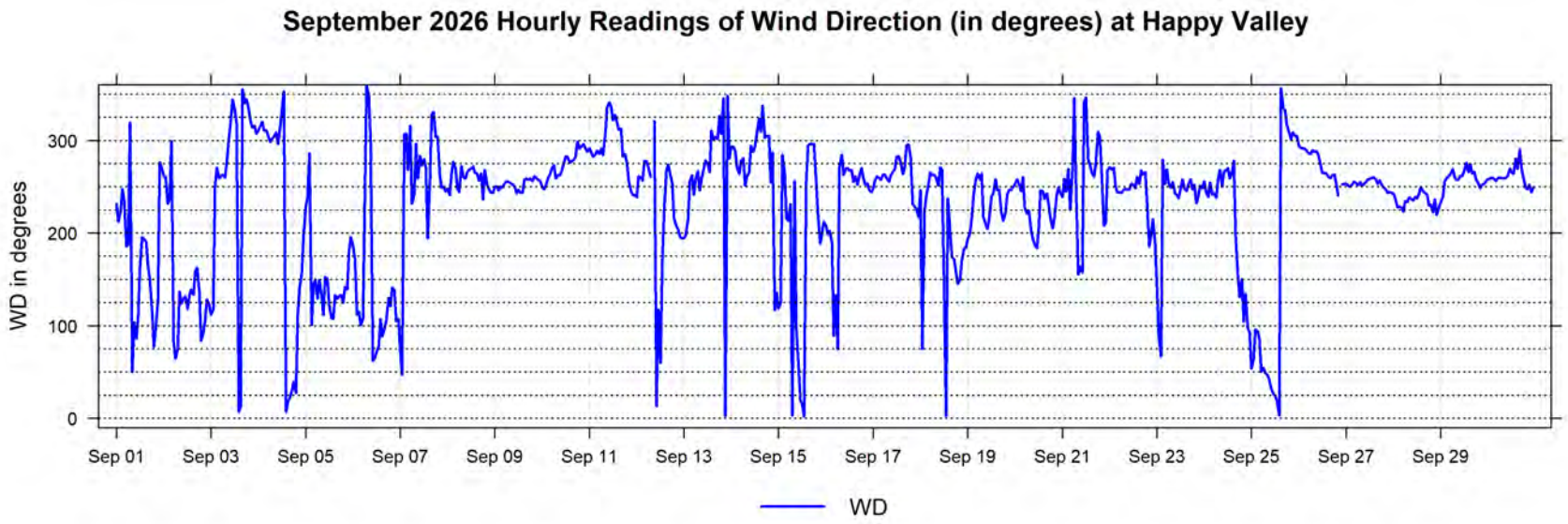

September 2026 Hourly Concentration Readings of NMHC (in ppm) at Happy Valley
NMHC in ppm
8
6
4
2
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NMHC
Average = 0 ppm

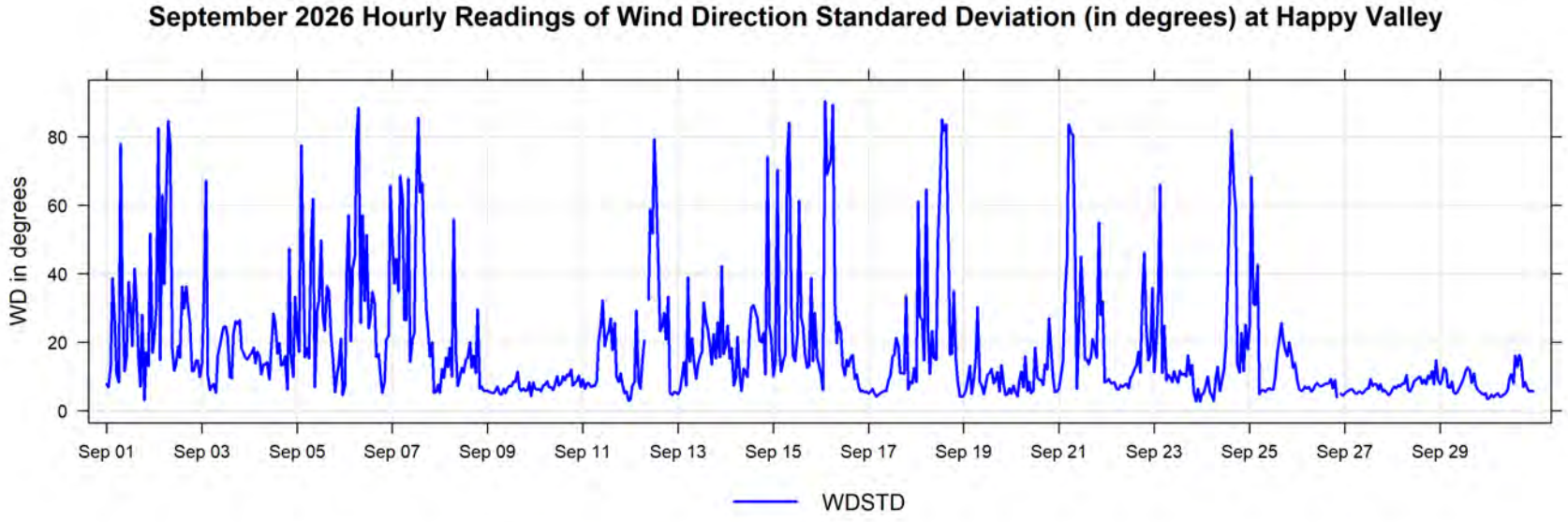

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Fox Creek
PM2.5 in µg/m3
100
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 3.5 µg/m3

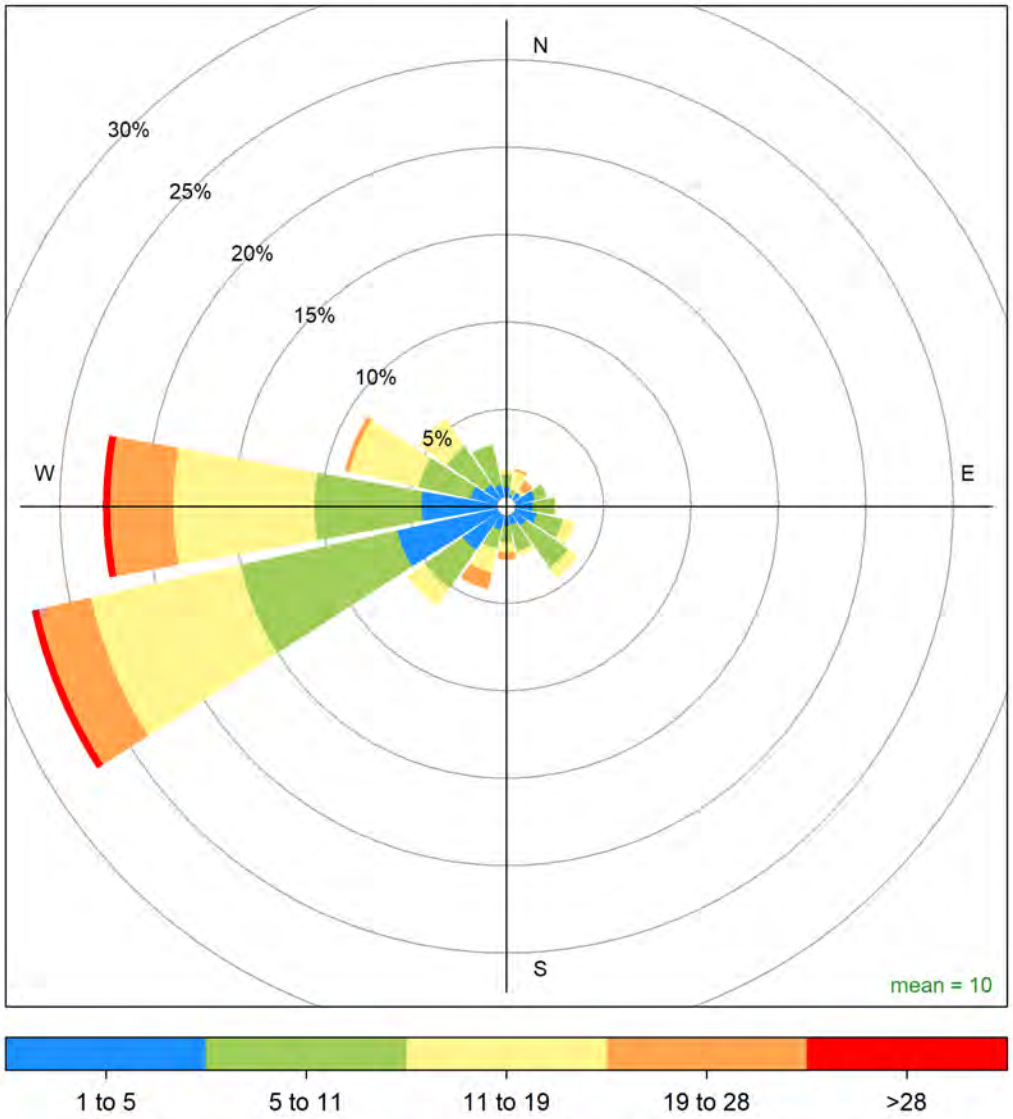

Number of Hours
0
200
400
600
588
109
10
6
0
1
1
0
20
40
60
80
PM2.5 in µg/m3


September 2026 Hourly Temperature Readings (in °C) at Happy Valley
Temperature in °C
30
20
10
0
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
Temperature
Average = 11.1 °C


September 2026 Hourly Readings of Wind Speed (in km/hr) at Happy Valley
WS in km/hr
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WS
Average = 10.4 km/hr


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


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

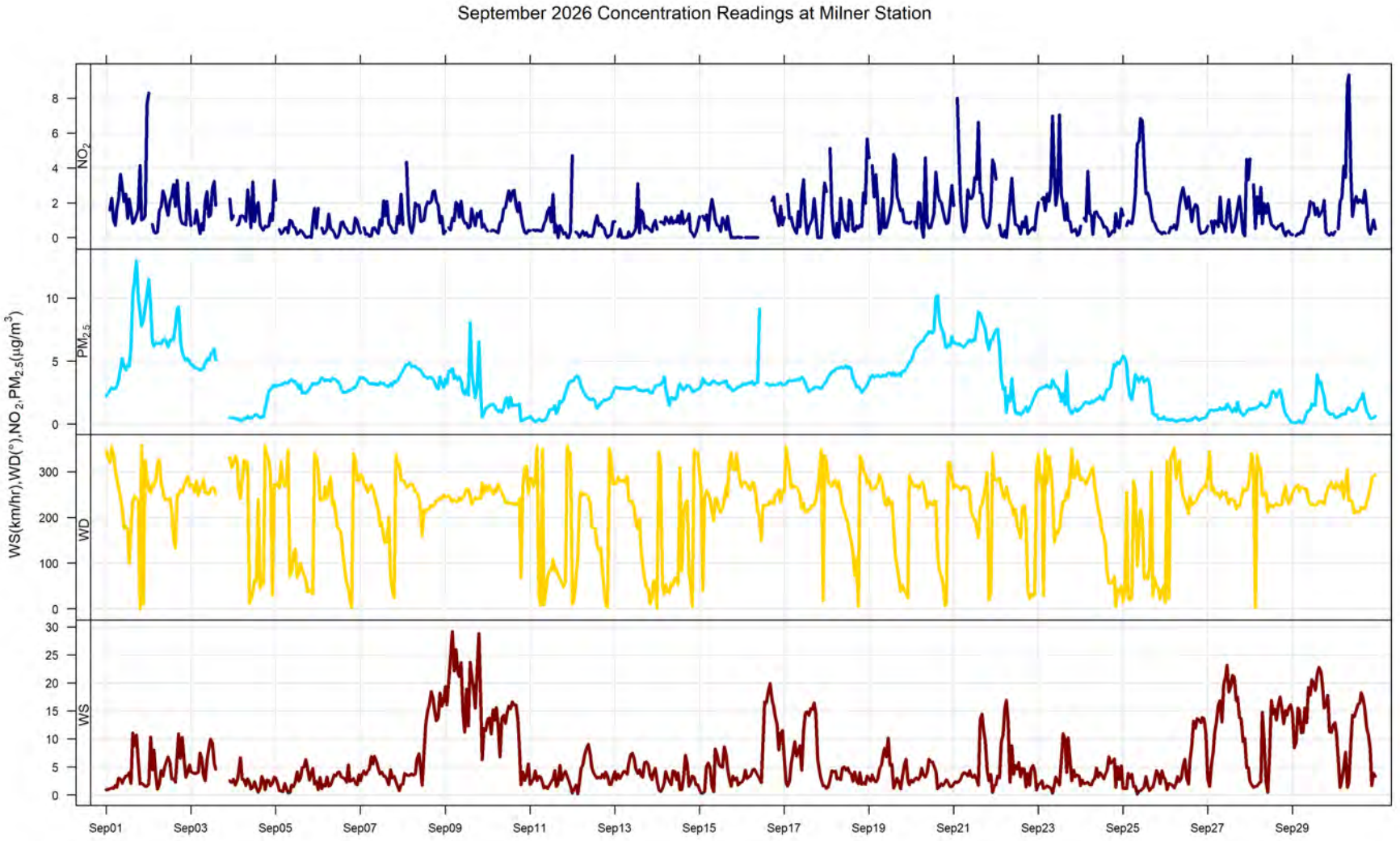


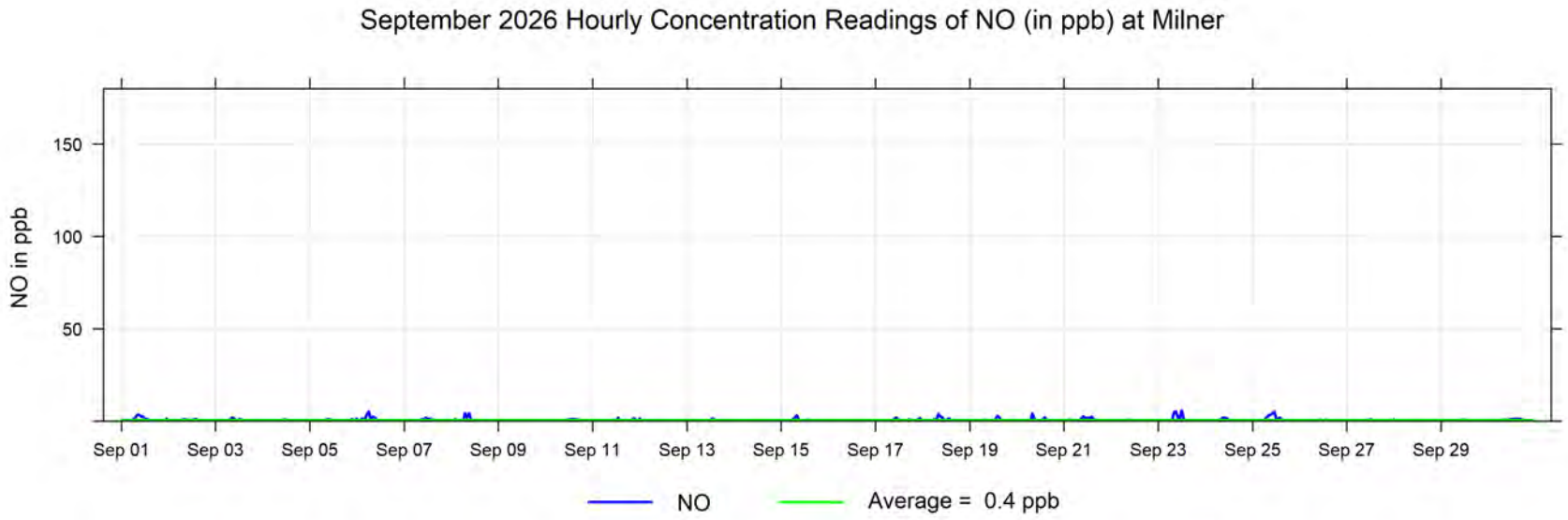
Happy Valley September 2026 Wind Rose, wind speed in km/hr

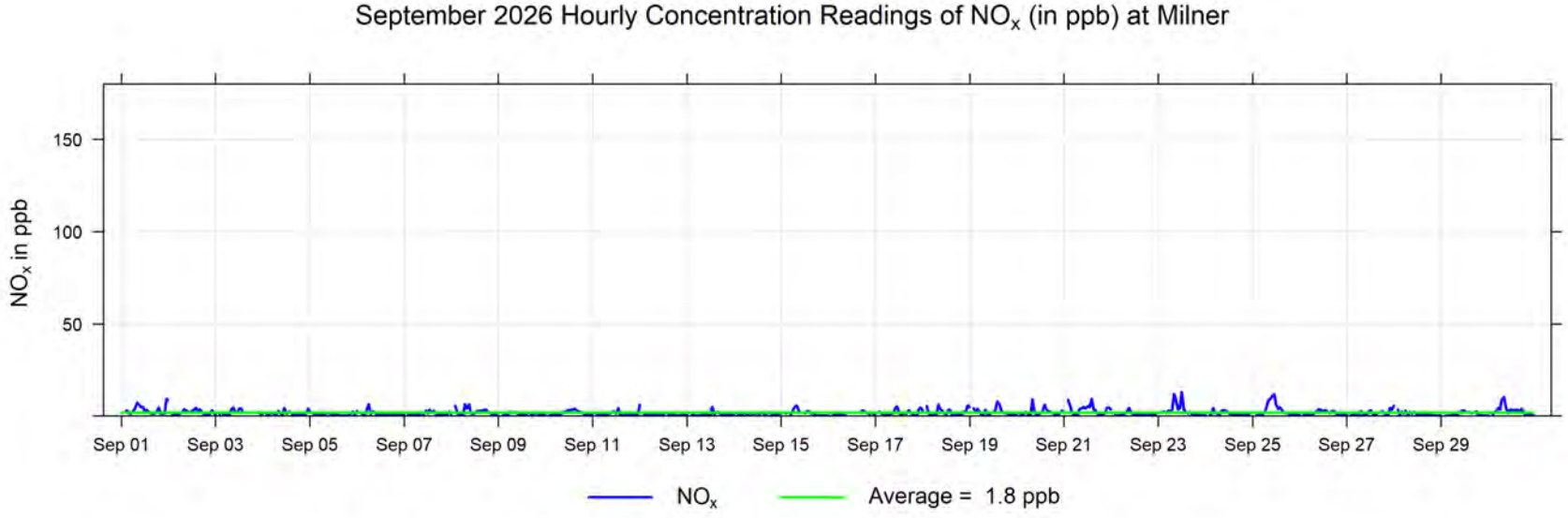
Calms (<1km/hr) = 0.6 %

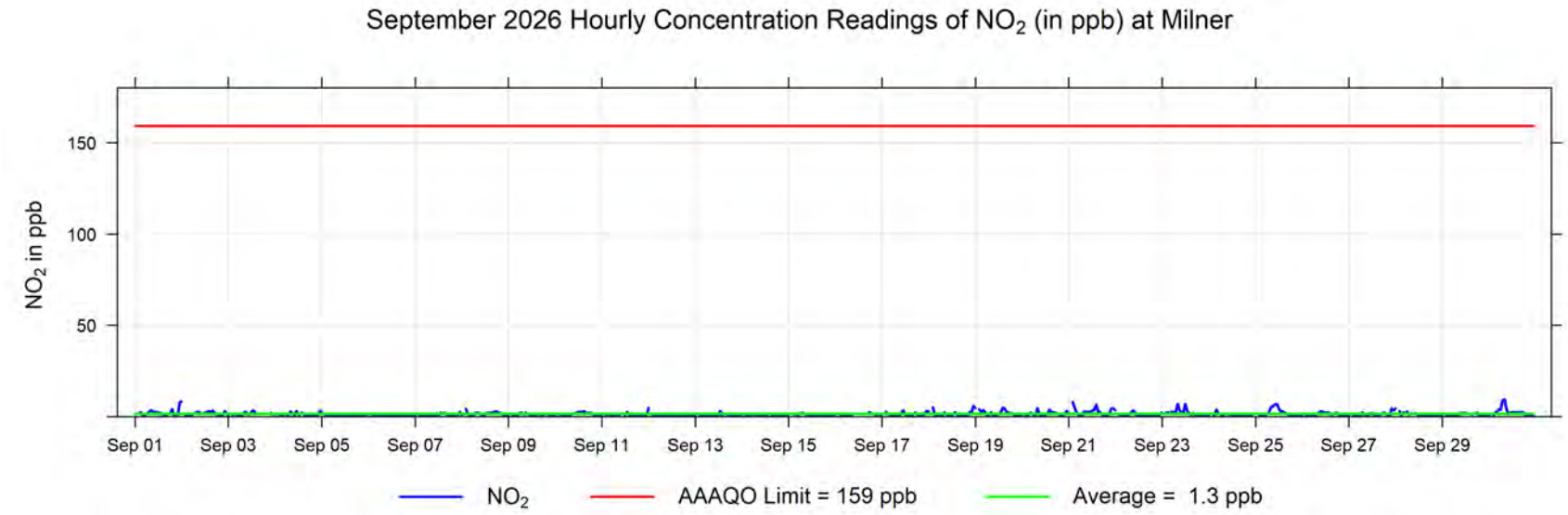
9 Milner Charts

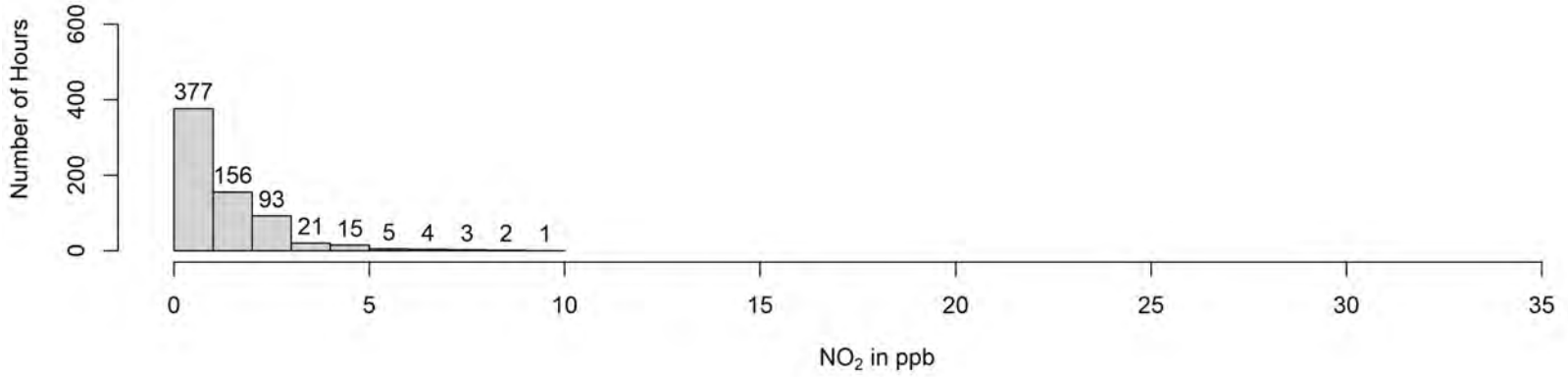
The following pages include the charts and histograms for Milner Station

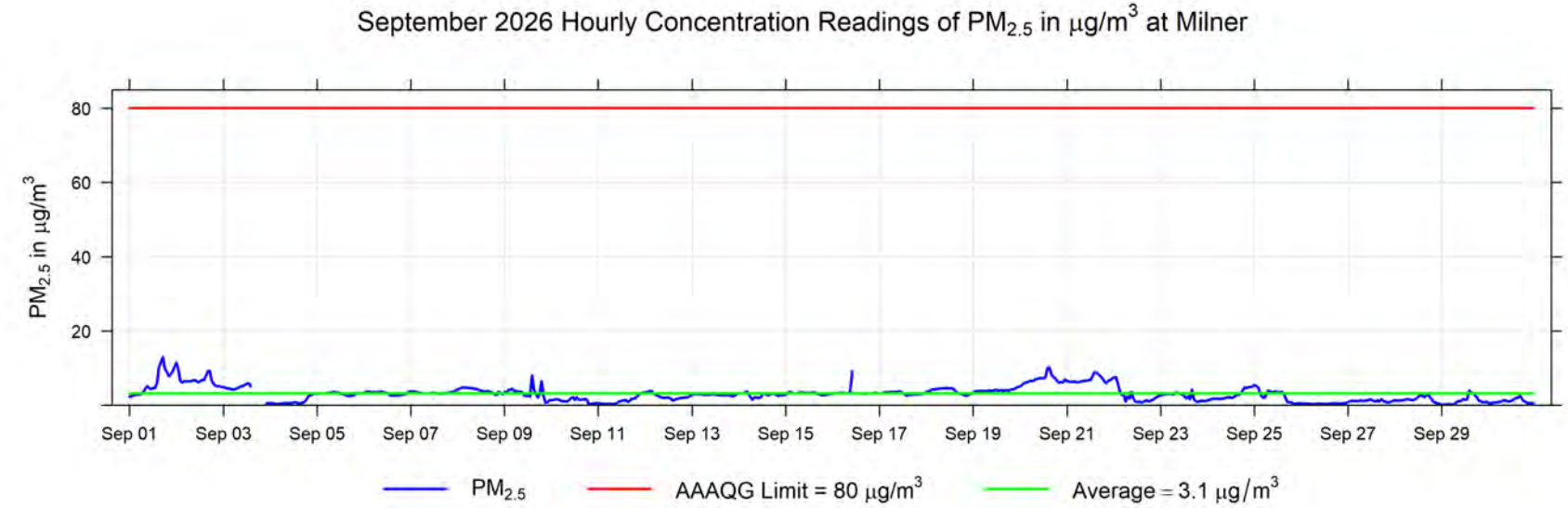


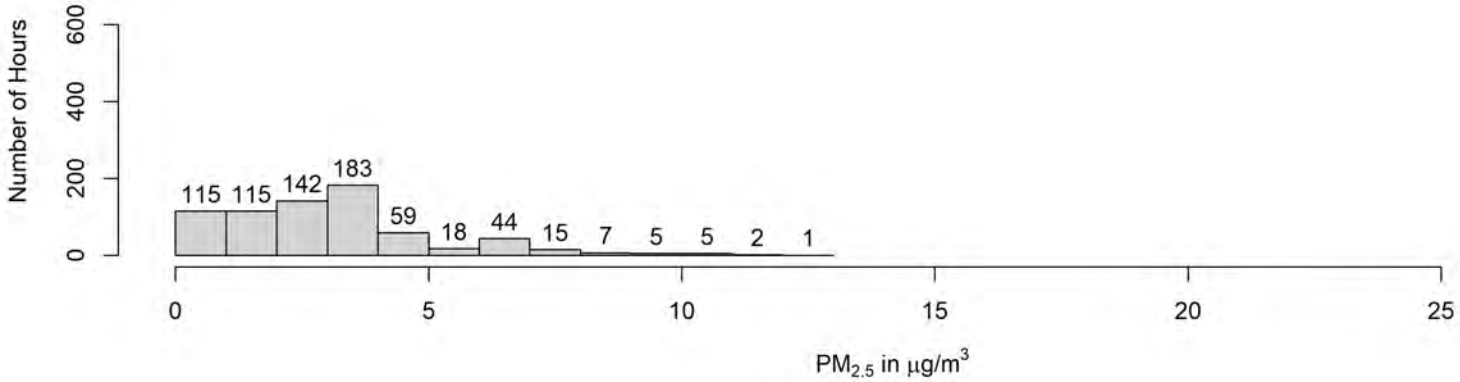

September 2026 Hourly Concentration Readings of NO (in ppb) at Milner
NO in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO
Average = 0.4 ppb

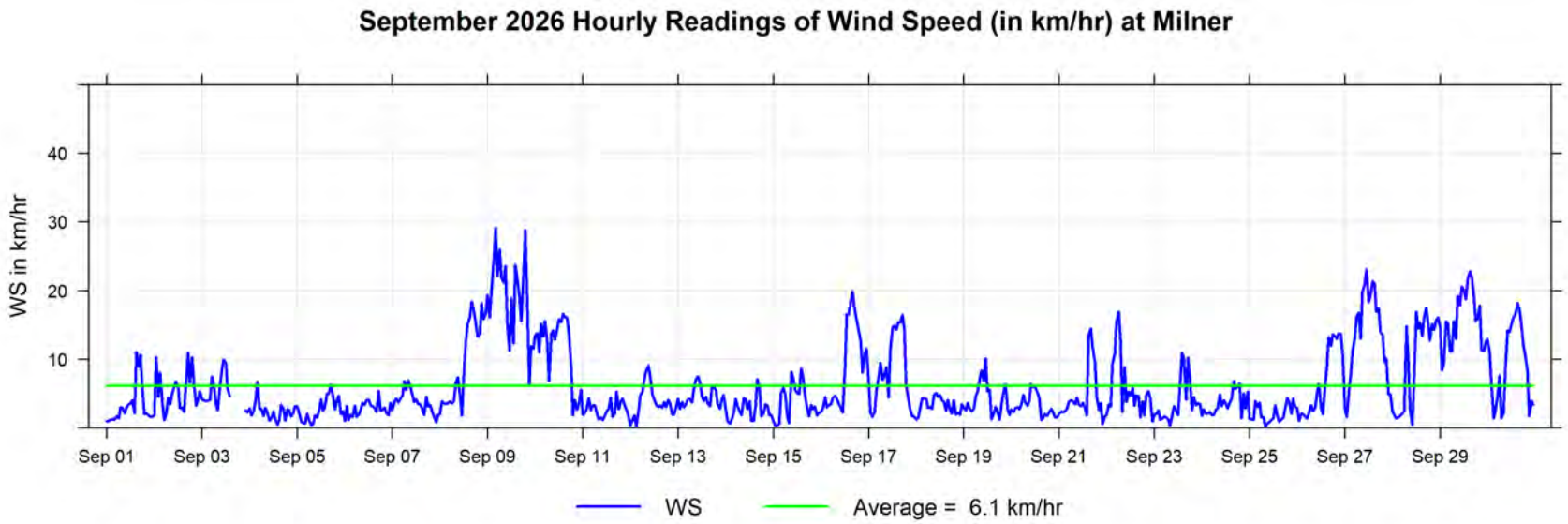

September 2026 Hourly Concentration Readings of NOx (in ppb) at Milner
NOx in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NOx
Average = 1.8 ppb

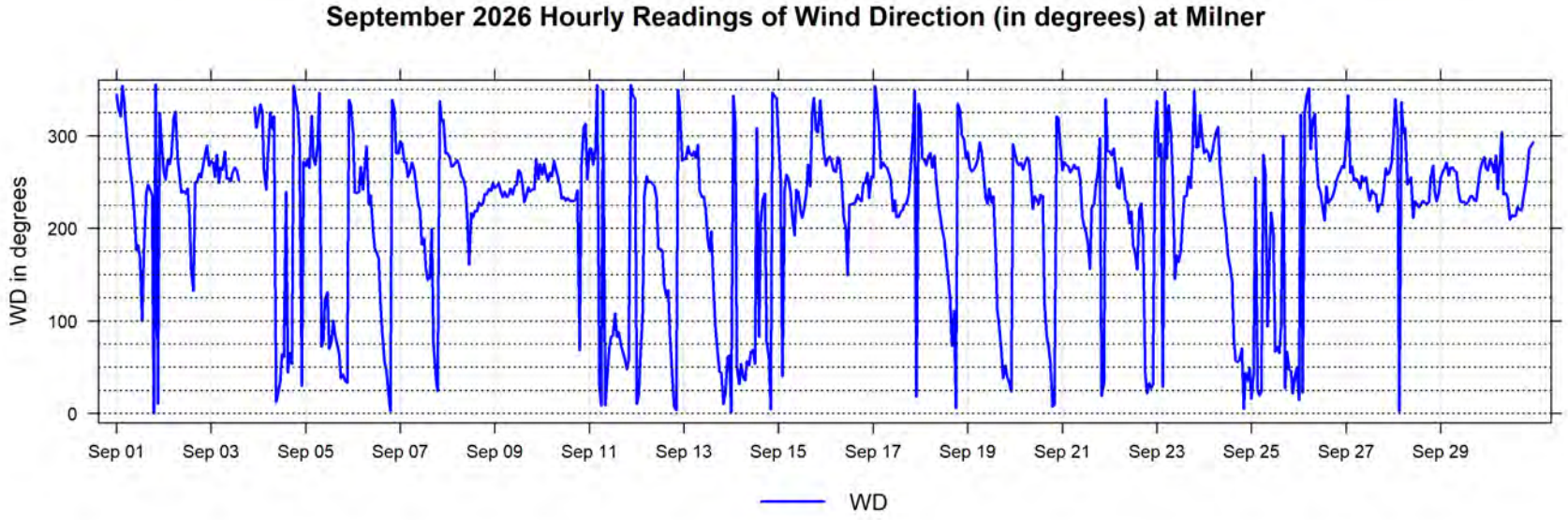

September 2026 Hourly Concentration Readings of NO2 (in ppb) at Milner
NO2 in ppb
150
100
50
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
NO2
AAAQO Limit = 159 ppb
Average = 1.3 ppb

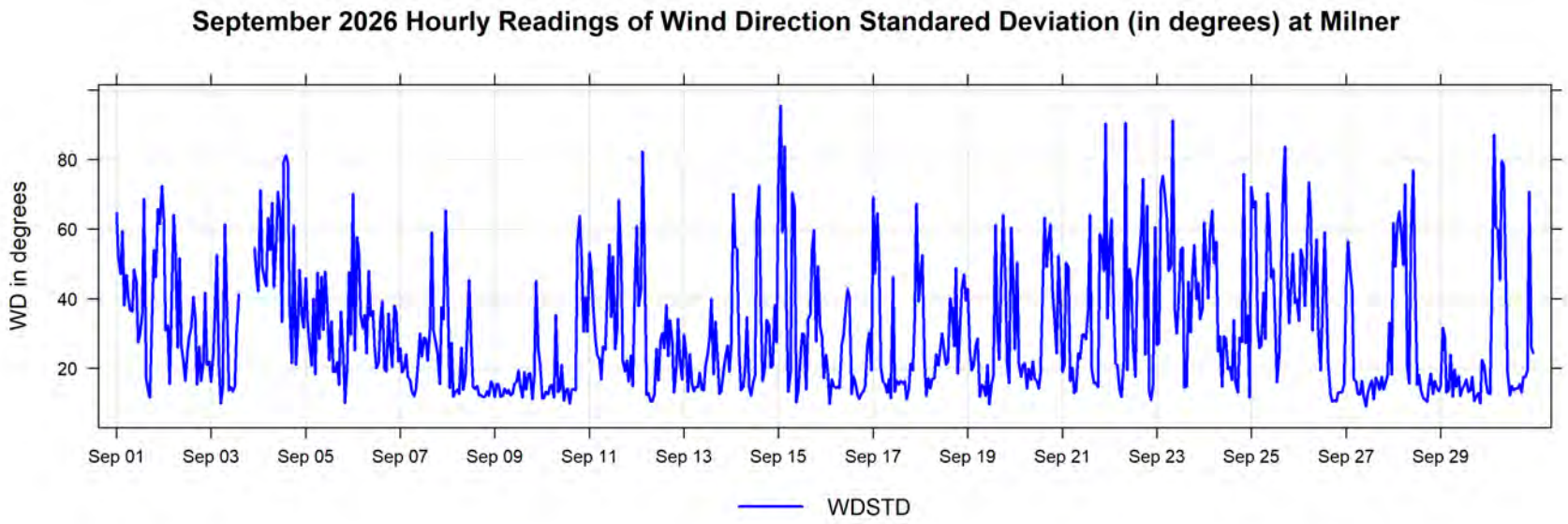

Number of Hours
0
200
400
600
377
156
93
21
15
5
4
3
2
1
0
5
10
15
20
25
30
35
NO2 in ppb

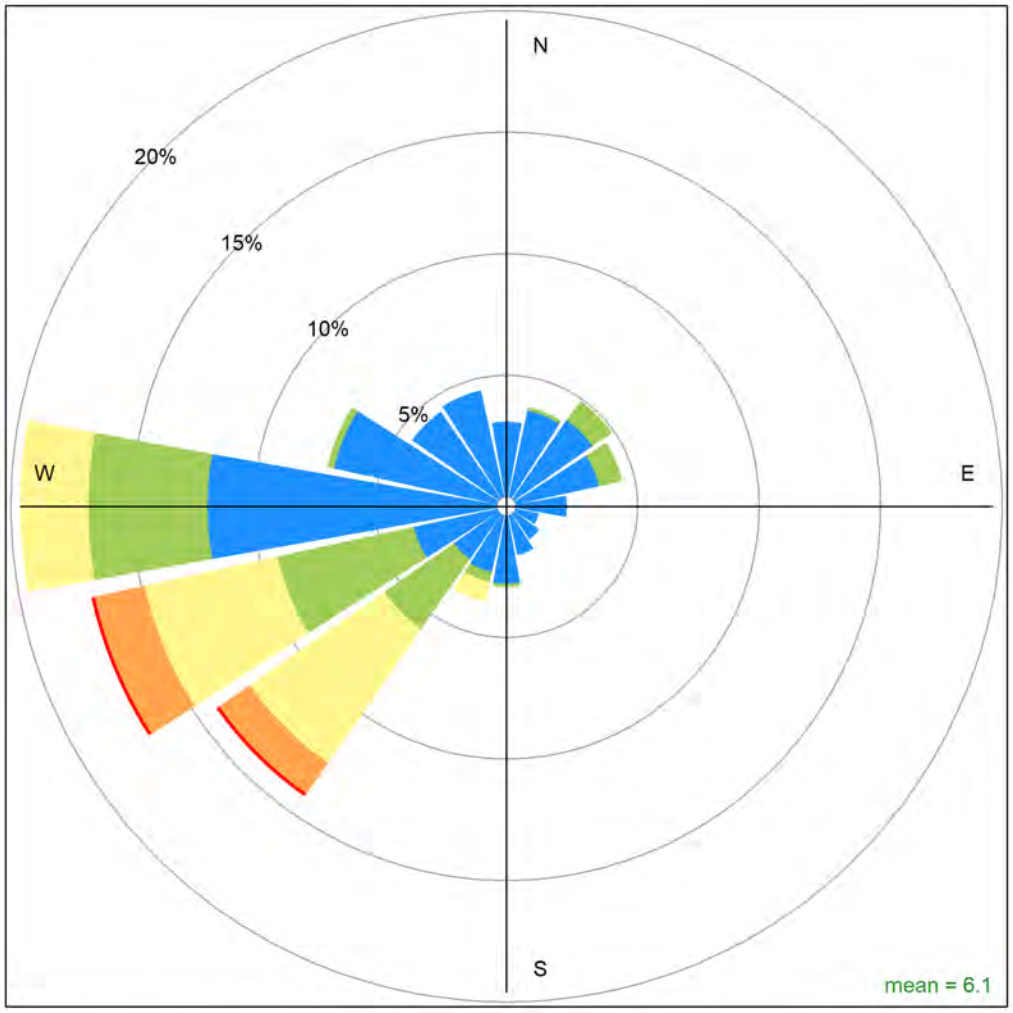

September 2026 Hourly Concentration Readings of PM2.5 in µg/m3 at Milner
PM2.5 in µg/m3
80
60
40
20
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
PM2.5
AAAQG Limit = 80 µg/m3
Average = 3.1 µg/m3


Number of Hours
0
200
400
600
115
115
142
183
59
18
44
15
7
5
5
2
1
0
5
10
15
20
25
PM2.5 in µg/m3


September 2026 Hourly Readings of Wind Speed (in km/hr) at Milner
WS in km/hr
40
30
20
10
Sep 01
Sep 03
Sep 05
Sep 07
Sep 09
Sep 11
Sep 13
Sep 15
Sep 17
Sep 19
Sep 21
Sep 23
Sep 25
Sep 27
Sep 29
WS
Average = 6.1 km/hr


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


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



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

Calms (<1km/hr) = 4.3 %

10 Passive Monitoring Data

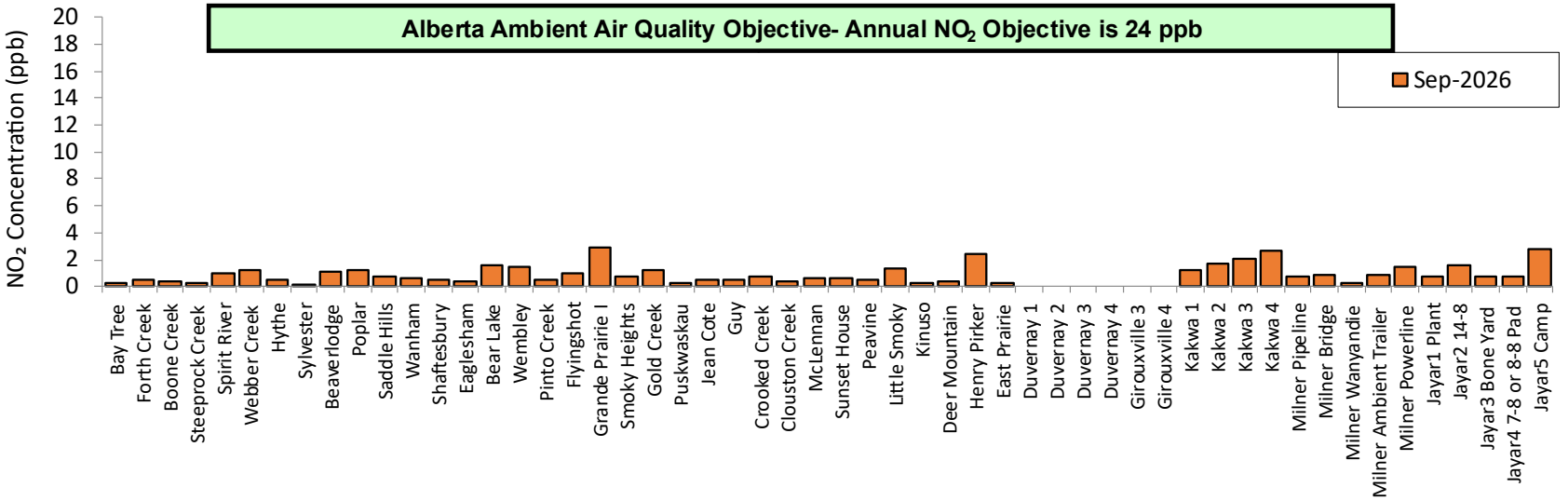
Peace Airshed Zone Association - PAZA Passive Stations for September 2026

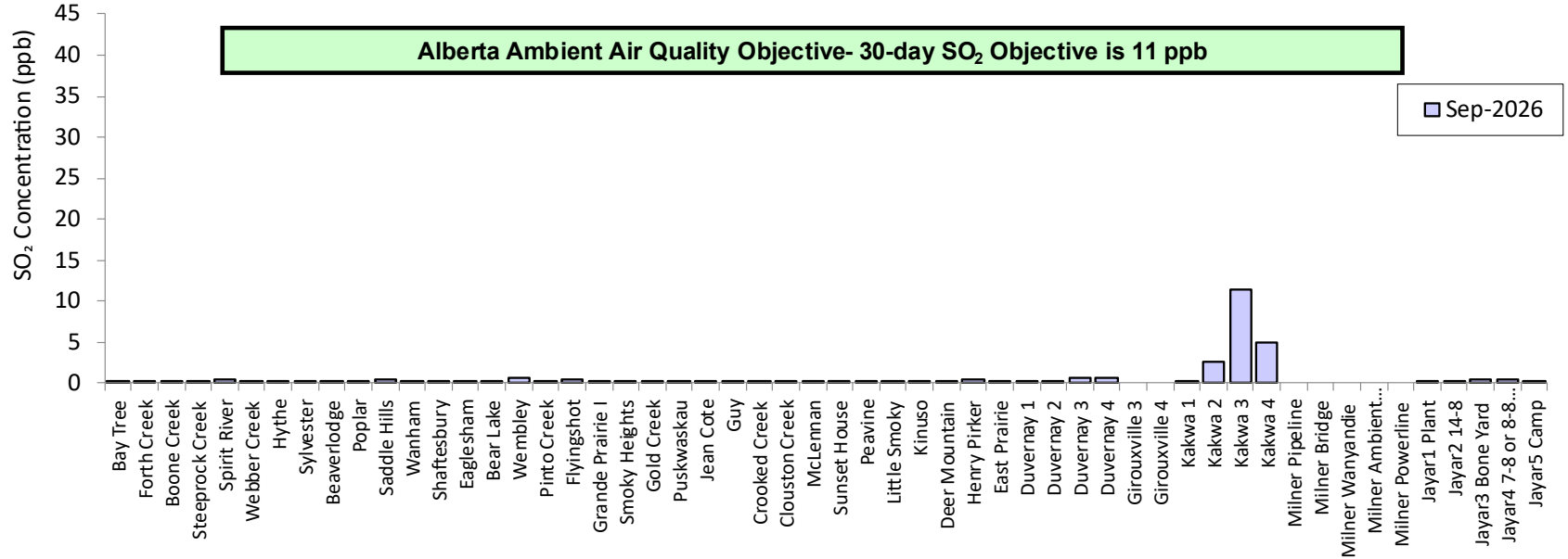
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
Duplicates						
20a	Shaftesbury			**0.4**		04-03-082-23 W5M
20b	Shaftesbury			**0.5**		
34a	Puskwaskau	**0.0**				15-35-074-25 W5M
34b	Puskwaskau	**0.1**				
35a	Jean Cote	**0.1**				12-35-079-21 W5M
35b	Jean Cote	**0.1**				
36a	Guy			**0.4**	**0.09**	03-04-076-22 W5M
36b	Guy			**0.5**	**0.09**	
39a	Clouston Creek	**0.0**				12-01-073-22 W5M
39b	Clouston Creek	**0.1**				
42a	Sunset House			**0.5**		05-32-070-19 W5M
42b	Sunset House			**0.8**		
44a	Peavine			**0.6**		03-05-079-15 W5M
44b	Peavine			**0.5**		
47a	Kinuso		**23.6**			12-10-073-10 W5M
47b	Kinuso		**22.6**			
50a	East Prairie	**0.0**				11-13-079-08 W6M
50b	East Prairie	**0.1**				
D4a	Duvernay 4	**0.7**			**0.12**	04-33-062-20 W5M
D4b	Duvernay 4	**0.8**			**0.11**	
K1a	Kakwa 1			**1.2**		01-13-063-05 W6M
K1b	Kakwa 1			**1.2**		
K4a	Kakwa 4	**4.1**				06-18-063-04 W6M
K4b	Kakwa 4	**5.7**				
K2a	Kakwa 2				**0.05**	08-13-063-05 W6M
K2b	Kakwa 2				**0.04**	
M7a	Milner Wanyandie			**0.3**		11-13-058-08 W6M
M7b	Milner Wanyandie			**0.3**		
M10a	Milner Powerline	**<0.1**				06-14-058-08 W6M
M10b	Milner Powerline	**<0.1**				
J2Da	Jayar2 14-8			**1.6**		07-08-062-03 W6M
J2Db	Jayar2 14-8			**1.6**		
J1Da	Jayar1 Plant	**0.2**				06-08-062-03 W6M
J1Db	Jayar1 Plant	**0.2**				
J5Da	Jayar5 Camp				**<0.02**	11-08-062-03 W6M
J5Db	Jayar5 Camp				**<0.02**	

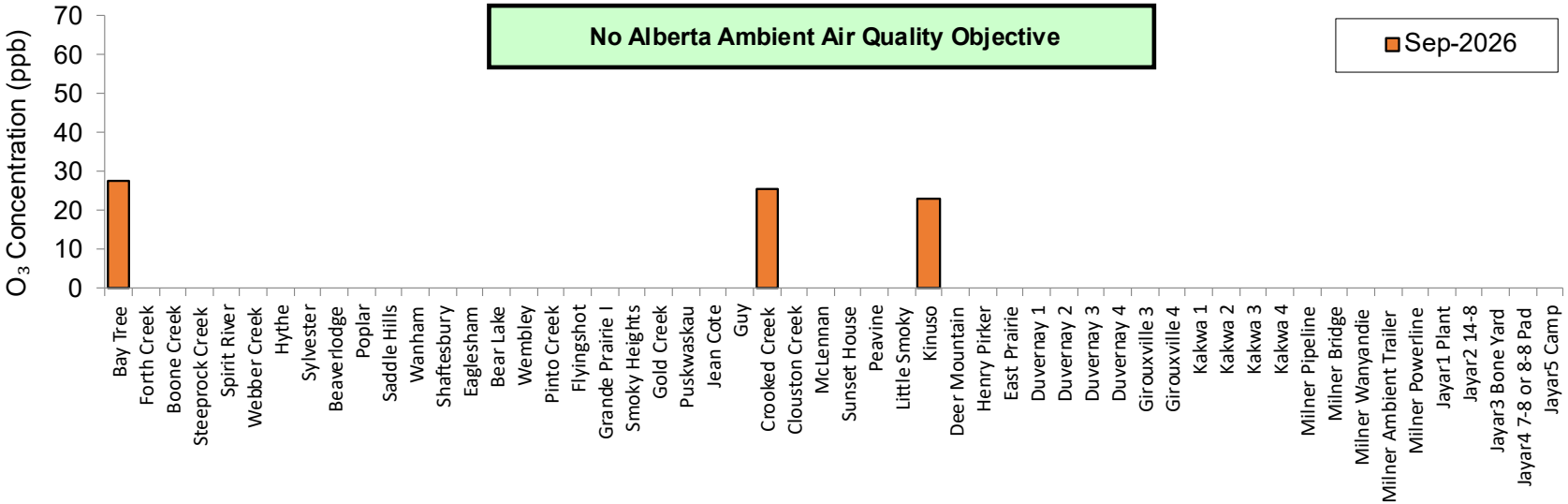
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
2	Bay Tree	0.1	27.6	0.3	-	13-16-078-13 W6M
3	Forth Creek	0.1	-	0.5	-	04-13-082-07 W6M
5	Boone Creek	0.2	-	0.4	-	01-23-076-11 W6M
7	Steeprock Creek	0.1	-	0.3	-	09-35-072-13 W6M
9	Spirit River	0.4	-	1.0	-	08-12-079-07 W6M
11	Webber Creek	0.2	-	1.2	-	09-36-074-09 W6M
12	Hythe	0.1	-	0.5	-	14-36-072-11 W6M
14	Sylvester	0.0	-	0.1	-	08-06-069-12 W6M
16	Beaverlodge	0.2	-	1.1	-	15-36-071-10 W6M
17	Poplar	0.1	-	1.3	-	13-06-073-08 W6M
18	Saddle Hills	0.4	-	0.8	-	04-25-074-07 W6M
19	Wanham	0.3	-	0.6	-	16-22-077-03 W6M
20	Shaftesbury	0.1	-	0.5	-	04-03-082-23 W5M
21	Eaglesham	0.2	-	0.3	-	16-21-079-25 W5M
23	Bear Lake	0.3	-	1.6	-	15-31-072-06 W6M
24	Wembley	0.7	-	1.5	-	12-31-070-08 W6M
25	Pinto Creek	0.2	-	0.5	-	04-24-069-11 W6M
26	Flyingshot	0.4	-	1.0	-	15-36-070-07 W6M
27	Grande Prairie I	0.3	-	2.9	-	08-15-071-06 W6M
29	Smoky Heights	0.2	-	0.8	-	04-06-075-02 W6M
32	Gold Creek	0.3	-	1.2	-	06-33-067-05 W6M
34	Puskwaskau	0.0	-	0.3	-	15-35-074-25 W5M
35	Jean Cote	0.1	-	0.6	-	12-35-079-21 W5M
36	Guy	0.1	-	0.5	0.09	03-04-076-22 W5M
37	Crooked Creek	0.1	25.6	0.8	-	16-01-071-26 W5M
39	Clouston Creek	0.1	-	0.4	-	12-01-073-22 W5M
40	McLennan	0.1	-	0.6	-	03-29-077-19 W5M
42	Sunset House	0.1	-	0.6	-	05-32-070-19 W5M
44	Peavine	0.1	-	0.5	-	03-05-079-15 W5M
46	Little Smoky	0.3	-	1.3	-	12-01-065-21 W5M
47	Kinuso	0.0	23.1	0.3	-	12-10-073-10 W5M
48	Deer Mountain	0.0	-	0.4	-	15-22-068-09 W5M
49	Henry Pirker	0.5	-	2.4	-	17-26-071-06 W6M
50	East Prairie	0.1	-	0.3	-	11-13-079-08 W6M
D1	Duvernay 1	0.3	-	-	0.06	04-33-062-20 W5M
D2	Duvernay 2	0.3	-	-	0.07	04-33-062-20 W5M
D3	Duvernay 3	0.7	-	-	0.10	04-33-062-20 W5M
D4	Duvernay 4	0.8	-	-	0.11	04-33-062-20 W5M
G3	Girouxville 3	-	-	-	0.26	14-02-077-23 W5M
G4	Girouxville 4	-	-	-	0.26	04-08-077-22 W5M
K1	Kakwa 1	0.1	-	1.2	<0.02	01-13-063-05 W6M
K2	Kakwa 2	2.6	-	1.7	0.05	08-13-063-05 W6M
K3	Kakwa 3	11.4	-	2.1	0.06	12-18-063-04 W6M
K4	Kakwa 4	4.9	-	2.7	0.07	06-18-063-04 W6M
M1	Milner Pipeline	<0.1	-	0.7	-	12-14-058-08 W6M
M2	Milner Bridge	<0.1	-	0.9	-	08-06-057-08 W6M
M3	Milner Wanyandie	<0.1	-	0.3	-	11-13-058-08 W6M
M4	Milner Ambient Trailer	<0.1	-	0.9	-	09-15-058-08 W6M
M5	Milner Powerline	<0.1	-	1.5	-	06-14-058-08 W6M
J1	Jayar1 Plant	0.2	-	0.8	<0.02	06-08-062-03 W6M
J2	Jayar2 14-8	0.2	-	1.6	<0.02	07-08-062-03 W6M
J3	Jayar3 Bone Yard	0.5	-	0.7	<0.02	14-08-062-03 W6M
J4	Jayar4 7-8 or 8-8 Pad	0.4	-	0.7	<0.02	10-08-062-03 W6M
J5	Jayar5 Camp	0.2	-	2.8	<0.02	11-08-062-03 W6M

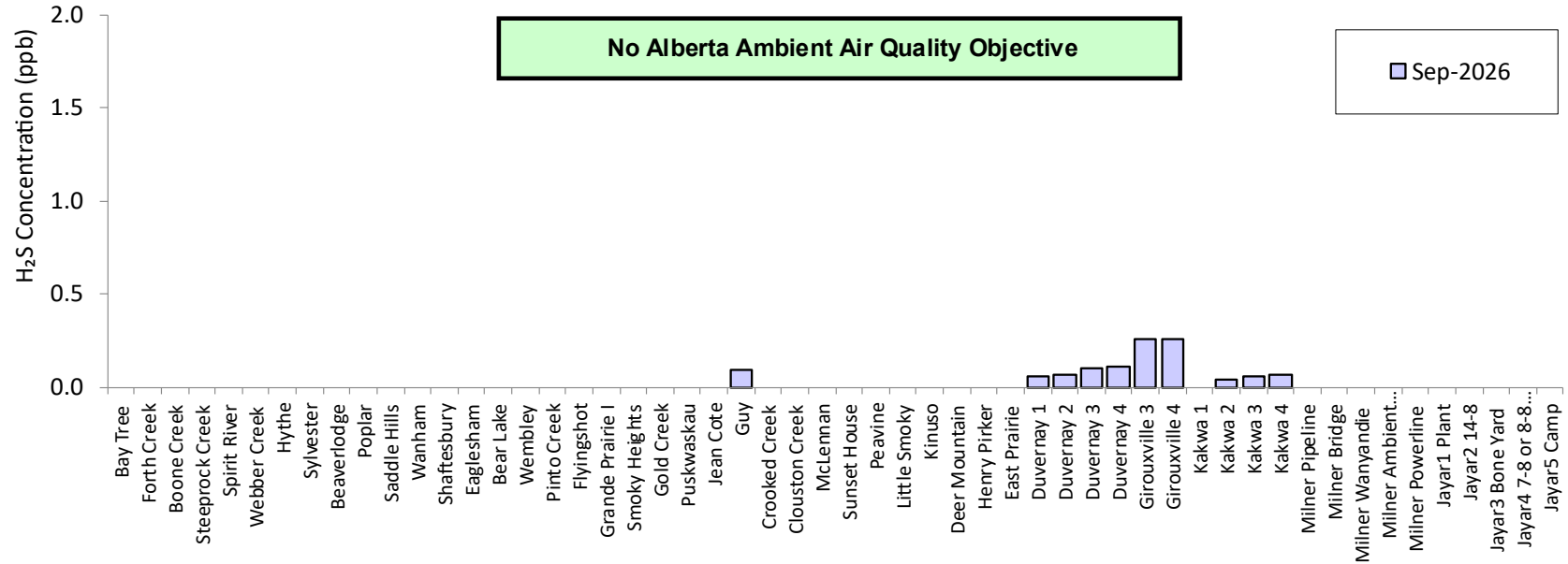
Passive Summary for September 2026

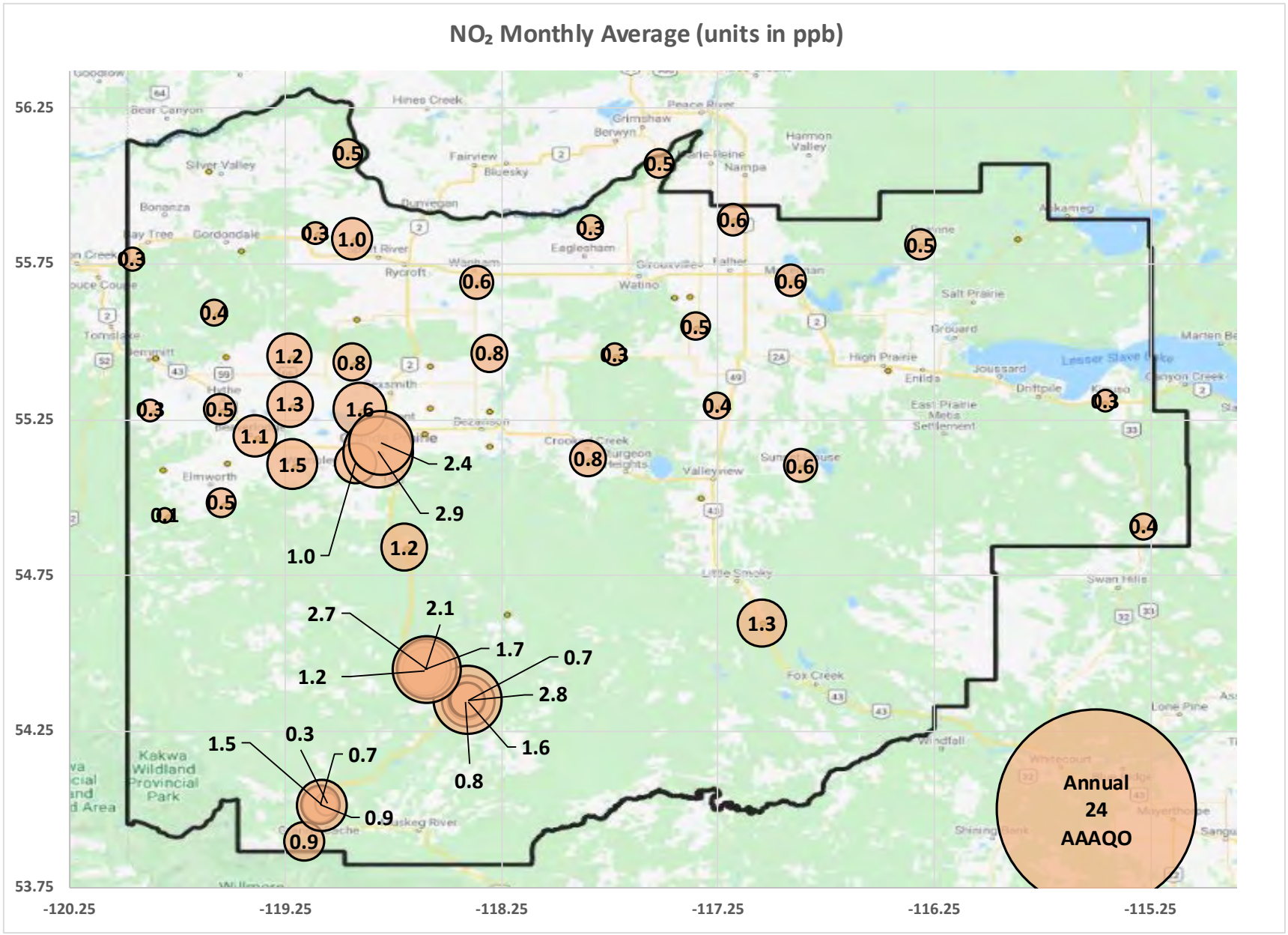
Stats	Sulphur Dioxide SO_2	Ozone O_3	Nitrogen Dioxide NO_2	Hydrogen Sulphide H_2S
	ppb	ppb	ppb	ppb
	Passive Summary for September 2026 (PAZA)			
Mean	0.6	25.5	1.0	0.1
Standard Deviation	1.8	2.3	0.7	0.1
Minimum	0.0 Sylvester (#14)	23.1 Kinuso (#47)	0.1 Sylvester (#14)	0.0 Kakwa 2 (#K2)
Maximum	11.4 Kakwa 3 (#K3)	27.6 Bay Tree (#2)	2.9 Grande Prairie I (#27)	0.3 Girouxville 4 (#G4)
	Continuous and Passive Monitoring Comparision			
PAZA Beaverlodge Station	**0.3**	**23.4**	**2.4**	**-**
Beaverlodge Passive (#16)	**0.2**	**-**	**1.1**	**-**
PAZA Henry Pirker Station	**0.2**	**19.3**	**5.2**	**0.2**
Henry Pirker passive (#49)	**0.5**	**-**	**2.4**	**-**
Milner Station	**-**	**-**	**1.3**	**-**
Milner passive	**<0.1**	**-**	**0.9**	**-**

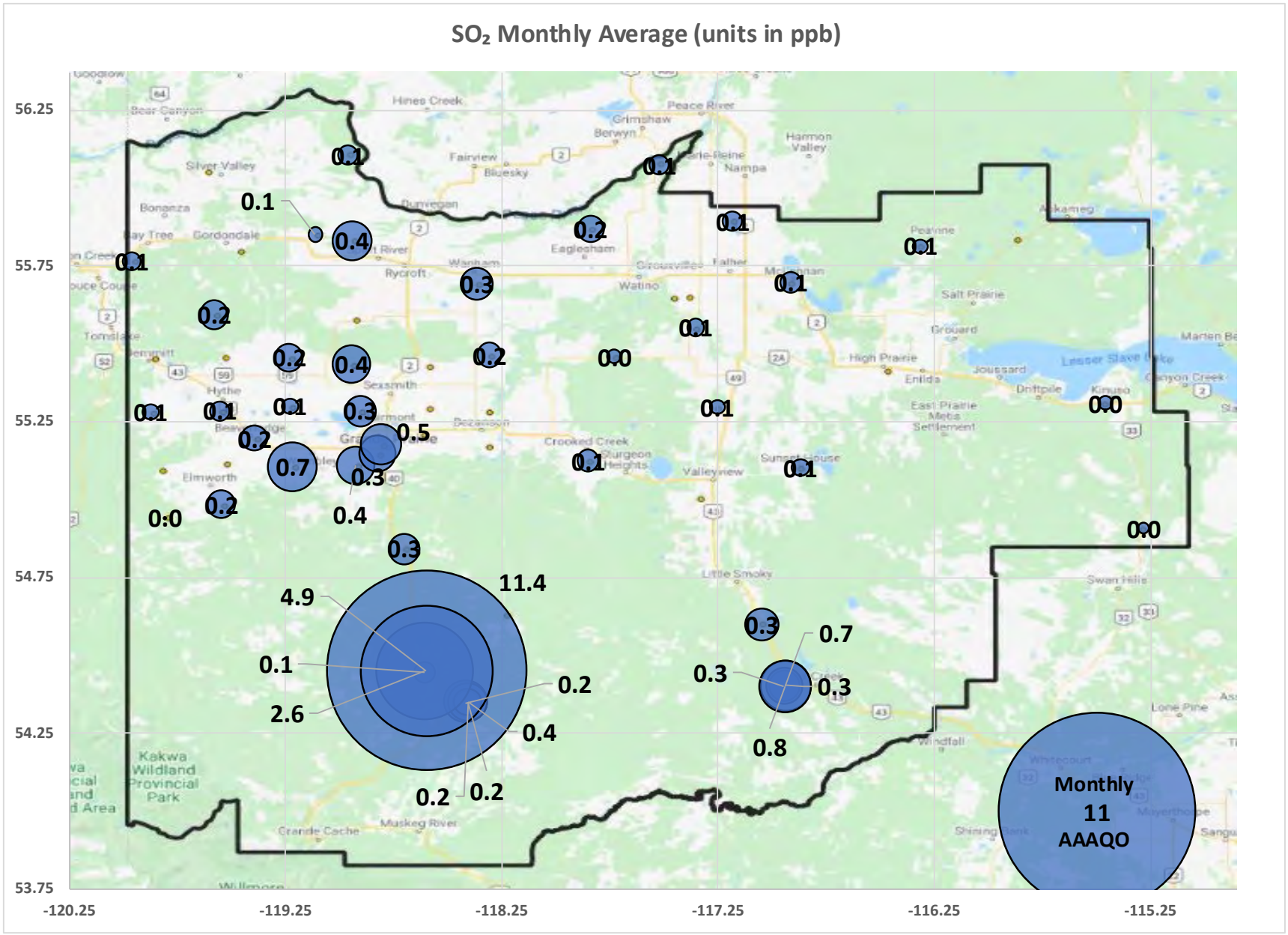

Alberta Ambient Air Quality Objective- Annual NO2 Objective is 24 ppb
NO2 Concentration (ppb)
Sep-2026
Bay Tree
Forth Creek
Boone Creek
Steeprock Creek
Spirit River
Webber Creek
Hythe
Sylvester
Beaverlodge
Poplar
Saddle Hills
Wanham
Shaftesbury
Eaglesham
Bear Lake
Wembley
Pinto Creek
Flyingshot
Grande Prairie I
Smoky Heights
Gold Creek
Puskwaskau
Jean Cote
Guy
Crooked Creek
Clouston Creek
McLennan
Sunset House
Peavine
Little Smoky
Kinuso
Deer Mountain
Henry Pirker
East Prairie
Duvernay 1
Duvernay 2
Duvernay 3
Duvernay 4
Girouxville 3
Girouxville 4
Kakwa 1
Kakwa 2
Kakwa 3
Kakwa 4
Milner Pipeline
Milner Bridge
Milner Wanyandie
Milner Ambient Trailer
Milner Powerline
Jayar1 Plant
Jayar2 14-8
Jayar3 Bone Yard
Jayar4 7-8 or 8-8 Pad
Jayar5 Camp

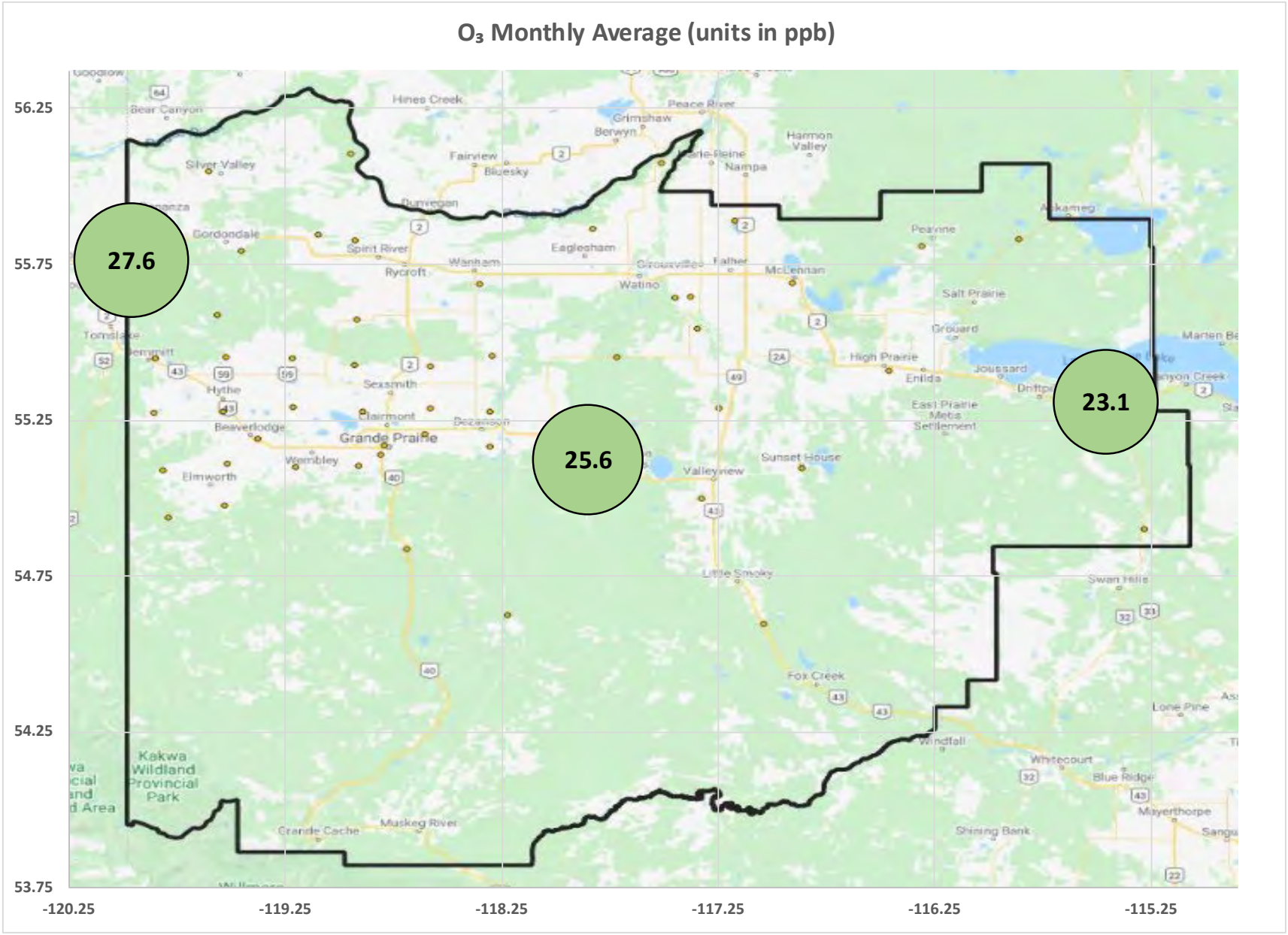

Alberta Ambient Air Quality Objective- 30-day SO2 Objective is 11 ppb
SO2 Concentration (ppb)
Sep-2026
Bay Tree
Forth Creek
Boone Creek
Steeprock Creek
Spirit River
Webber Creek
Hythe
Sylvester
Beaverlodge
Poplar
Saddle Hills
Wanham
Shaftesbury
Eaglesham
Bear Lake
Wembley
Pinto Creek
Flyingshot
Grande Prairie I
Smoky Heights
Gold Creek
Puskwaskau
Jean Cote
Guy
Crooked Creek
Clouston Creek
McLennan
Sunset House
Peavine
Little Smoky
Kinuso
Deer Mountain
Henry Pirker
East Prairie
Duvernay 1
Duvernay 2
Duvernay 3
Duvernay 4
Girouxville 3
Girouxville 4
Kakwa 1
Kakwa 2
Kakwa 3
Kakwa 4
Milner Pipeline
Milner Bridge
Milner Wanyandie
Milner Ambient...
Milner Powerline
Jayar1 Plant
Jayar2 14-8
Jayar3 Bone Yard
Jayar4 7-8 or 8-8...
Jayar5 Camp

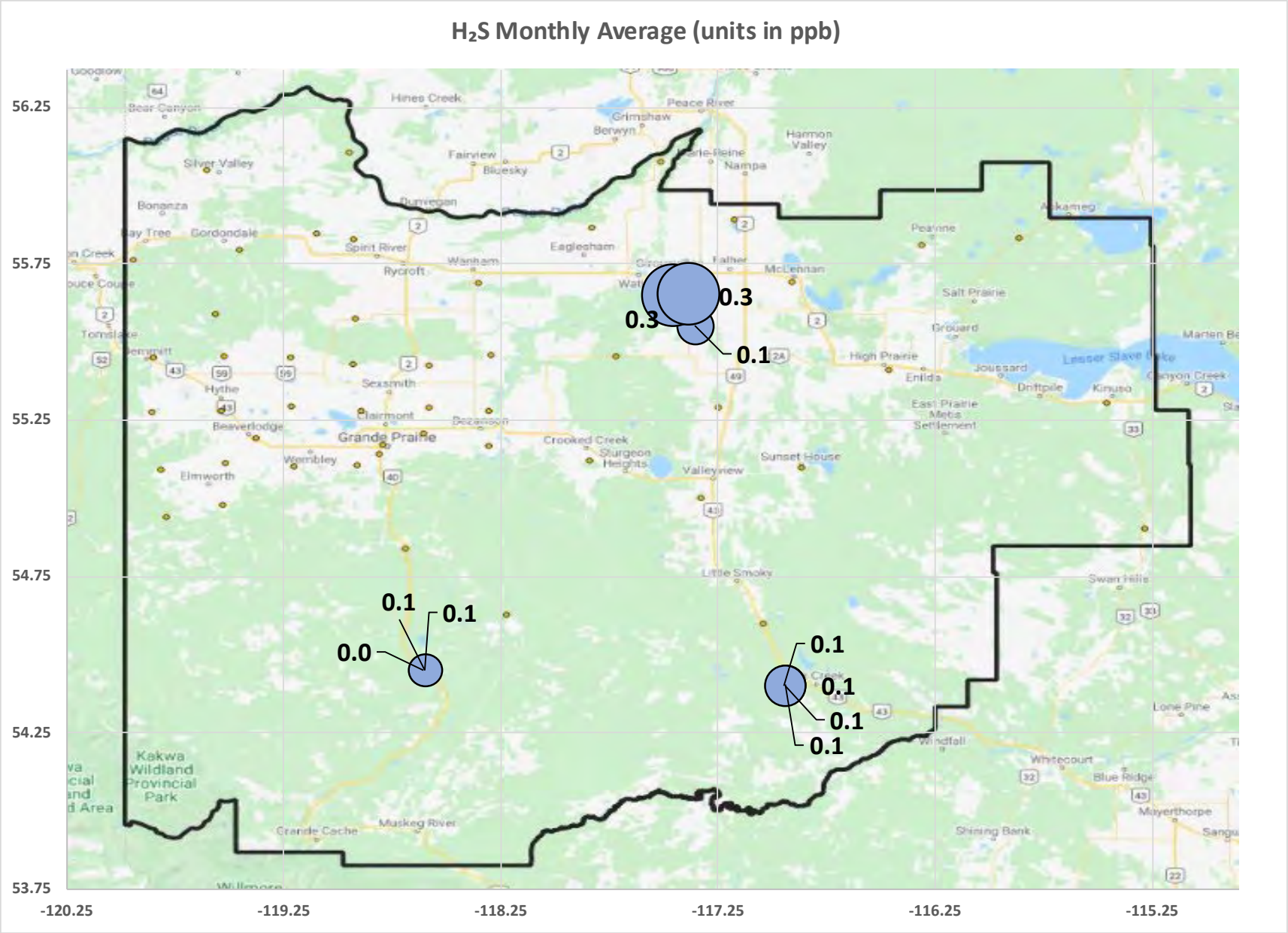

No Alberta Ambient Air Quality Objective
Sep-2026
O3 Concentration (ppb)
70
60
50
40
30
20
10
0
Bay Tree
Forth Creek
Boone Creek
Steeprock Creek
Spirit River
Webber Creek
Hythe
Sylvester
Beaverlodge
Poplar
Saddle Hills
Wanham
Shaftesbury
Eaglesham
Bear Lake
Wembley
Pinto Creek
Flyingshot
Grande Prairie I
Smoky Heights
Gold Creek
Puskwaskau
Jean Cote
Guy
Crooked Creek
Clouston Creek
McLennan
Sunset House
Peavine
Little Smoky
Kinuso
Deer Mountain
Henry Pirker
East Prairie
Duvernay 1
Duvernay 2
Duvernay 3
Duvernay 4
Girouxville 3
Girouxville 4
Kakwa 1
Kakwa 2
Kakwa 3
Kakwa 4
Milner Pipeline
Milner Bridge
Milner Wanyandie
Milner Ambient Trailer
Milner Powerline
Jayar1 Plant
Jayar2 14-8
Jayar3 Bone Yard
Jayar4 7-8 or 8-8 Pad
Jayar5 Camp


No Alberta Ambient Air Quality Objective
Sep-2026
H2S Concentration (ppb)
2.0
1.5
1.0
0.5
0.0
Bay Tree
Forth Creek
Boone Creek
Steeprock Creek
Spirit River
Webber Creek
Hythe
Sylvester
Beaverlodge
Poplar
Saddle Hills
Wanham
Shaftesbury
Eaglesham
Bear Lake
Wembley
Pinto Creek
Flyingshot
Grande Prairie I
Smoky Heights
Gold Creek
Puskwaskau
Jean Cote
Guy
Crooked Creek
Clouston Creek
McLennan
Sunset House
Peavine
Little Smoky
Kinuso
Deer Mountain
Henry Pirker
East Prairie
Duvernay 1
Duvernay 2
Duvernay 3
Duvernay 4
Girouxville 3
Girouxville 4
Kakwa 1
Kakwa 2
Kakwa 3
Kakwa 4
Milner Pipeline
Milner Bridge
Milner Wanyandie
Milner Ambient...
Milner Powerline
Jayar1 Plant
Jayar2 14-8
Jayar3 Bone Yard
Jayar4 7-8 or 8-8...
Jayar5 Camp


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
0.1
0.4
0.2
0.3
0.0
0.5
0.7
4.9
11.4
2.6
0.8
Monthly
11
AAAQO

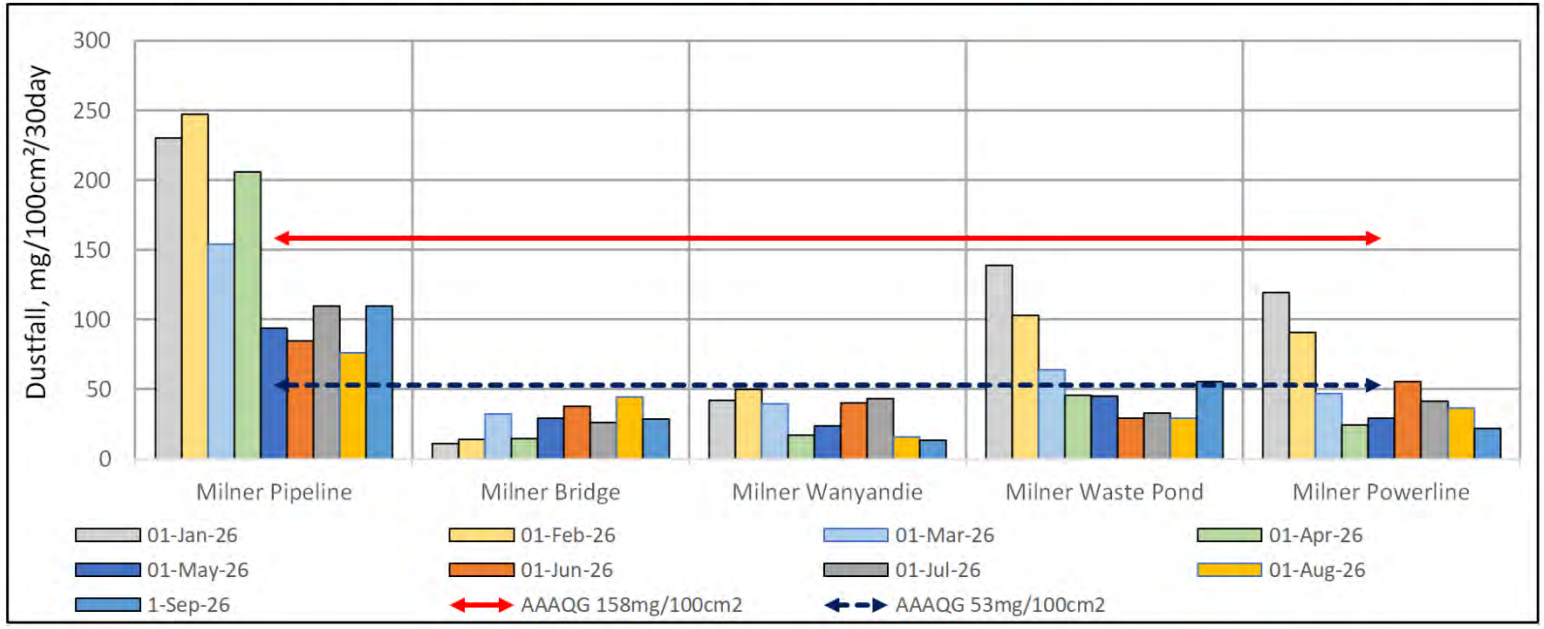

O₃ Monthly Average (units in ppb)
56.25
55.75
55.25
54.75
54.25
53.75
-120.25
-119.25
-118.25
-117.25
-116.25
-115.25
27.6
25.6
23.1
Hines Creek
Peace River
Grimshaw
Berwyn
Harmon Valley
Fairview
Bluesky
Nampa
Silver Valley
Dunvegan
Gordondale
Spirit River
Rycroft
Eaglesham
Wanham
Grouard Father
McLennan
Watino
Peerless
Salt Prairie
Grouard
High Prairie
Enilda
Joussard
East Prairie Metis Settlement
Sexsmith
Hythe
Beaverlodge
Clairmont
Bezanson
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
0.3
0.3
0.1
0.1
0.1
0.0
0.1
0.1
0.1
0.1
Grande Prairie
Peace River
Fairview
Spirit River
Rycroft
Eaglesham
McLennan
Salt Prairie
Grouard
High Prairie
Enilda
Joussard
Lesser Slave Lake
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
Windfall
Whitecourt
Blue Ridge
Mayerthorpe
Lone Pine
Shining Bank

11 Dustfall Monitoring Data

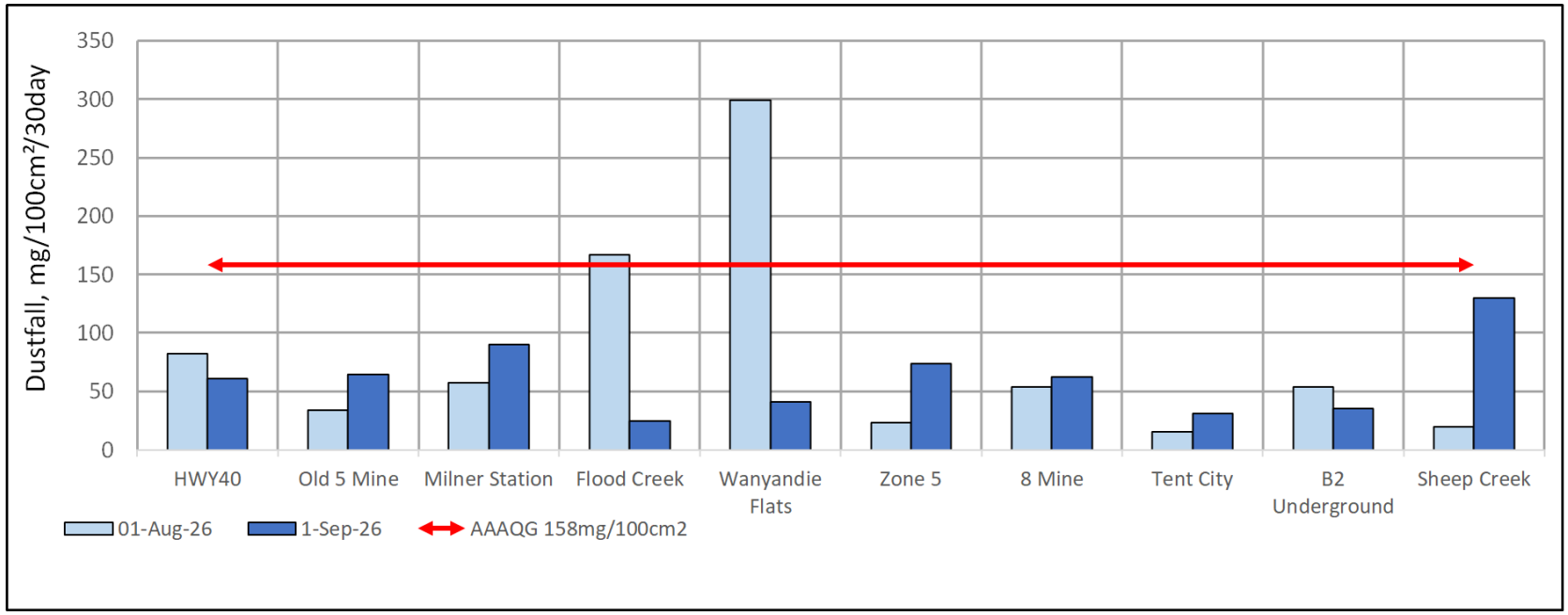
Milner Dustfall Samples September 2026

Exposure Month	Year	Sample	Total Dustfall (30 day) mg/100cm²/30day	Fixed Dustfall (30 day) mg/100cm²/30day	Exposure days	Field Notes
September	2026	Milner Pipeline	109.2	31.1	29	
September	2026	Milner Bridge	28.6	6.7	29	
September	2026	Milner Wanyandie	12.9	3.7	29	
September	2026	Milner Waste Pond	55.4	16.0	29	
September	2026	Milner Powerline	21.8	5.0	29	
September	2026	Milner Powerline Dup	22.7	10.1	29	RPD, 4% / 68%



CST Grande Cache Dustfall Samples September 2026

Exposure Month	Year	Sample	Total Dustfall (30 day) mg/100cm²/30day	Fixed Dustfall (30 day) mg/100cm²/30day	Exposure days	Field Notes
September	2026	HWY40	61.2	7.1	29	Organic debris
September	2026	Old 5 Mine	64.7	11.8	29	Organic debris
September	2026	Milner Station	89.8	22.7	30	Organic debris
September	2026	Flood Creek	24.7	4.1	29	Organic debris
September	2026	Wanyandie Flats	41.2	0.0	29	Organic debris
September	2026	Zone 5	73.9	46.6	30	Organic debris
September	2026	8 Mine	62.5	22.7	30	Organic debris
September	2026	Tent City	30.7	11.4	30	Organic debris & almost dry
September	2026	B2 Underground	35.2	1.1	30	Almost dry
September	2026	Sheep Creek	129.6	87.5	30	Organic debris



12 End of Report

End of Report

Peace Airshed Zone Association

Peace Airshed Zone Association

Ambient Air Monitoring Report

September 2026