



Peace Airshed Zone Association

Ambient Air Monitoring Network Summary

Ambient Air Quality Monitoring Program

Monthly Report

November 2025

December 31, 2025

Alberta Environment and Protected Areas

11th Floor, Oxbridge Place
9820-106 Street
Edmonton Alberta T5K 2J6

Subject: **Peace Airshed Zone Association (PAZA)
November 2025 Ambient Air Quality Monitoring Report**

Please find enclosed the PAZA Ambient Air Quality Monitoring Network Report for the month of November 2025.

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 November 2025 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
	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 one, 1hr readings above the PM_{2.5} AAAQG (80µg/m³)

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

Site	reference	Pollutant	Date	From MST	To MST	Average ppb	WS km/hr	WD degrees
Happy Valley	e-reported	TRS	03-Nov-25	16:30	17:00	6.9	5.8	214
Happy Valley	e-reported	TRS	03-Nov-25	17:30	18:00	5.6	12.0	216

Readings above the 1hr PM_{2.5} AAAQG (80µg/m³) recorded as follows:

Site	reference	Pollutant	Date	From MST	To MST	Average µg/m ³	WS km/hr	WD degrees
Smoky Heights	447878	PM _{2.5}	19-Nov-25	20:00	21:00	138.0	1.8	285
Smoky Heights	447878	PM _{2.5}	19-Nov-25	21:00	22:00	151.9	3.1	342
Smoky Heights	447878	PM _{2.5}	19-Nov-25	22:00	23:00	145.7	3.1	11
Smoky Heights	447878	PM _{2.5}	19-Nov-25	23:00	00:00	322.6	2.4	323

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

Site	reference	Pollutant	Date	Average µg/m ³	WS km/hr	WD degrees
Beaverlodge	448138	PM _{2.5}	29-Nov-25	30.1	6.3	34
Dunes	448139	PM _{2.5}	29-Nov-25	29.7	1.1	307
Smoky Heights	447878	PM _{2.5}	19-Nov-25	34.6	5.5	223
Smoky Heights	448170	PM _{2.5}	30-Nov-25	35.1	5.1	220

Readings above the 30day dustfall AAAQG (158 mg/100cm²/30day) recorded as follows:

Site	reference	Pollutant	Month	Average mg/100cm ² /30day
Milner Pipeline	448799	PM _{2.5}	November	271.3

Operational times less than 90 percent

The Henry Pirker station in Grande Prairie was <90% operational during the month. Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, reference number 448140.

Air Incidents

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
- Field notes indicated no issues during the month

There were 20 duplicates sampled in the month of November:

- Seven SO₂ duplicates located at Boone Creek, Beaverlodge, Wanham, Clouston Creek, Kakwa 1, Milner Pipeline, Jayar5 Camp
 - RPD ranging from 24% to 200% (5 fails)
 - Boone Creek duplicate 103%, 1.7 and 0.5ppb
 - Beaverlodge duplicate 100%, 0.1 and 0.4ppb
 - Wanham duplicate 200%, 0.0 and 0.1ppb
 - Clouston Creek 200%, 0.3 and 0.0ppb
 - Kakwa 1 duplicate 100%, 0.3 and 0.1ppb
- One O₃ duplicate at Kinuso
 - RPD of 7% (no fail)
- Seven NO₂ duplicates at Webber Creek, Poplar, Crooked Creek, Sunset House, Kakwa 3, Milner Powerline, Jayar1 Plant
 - RPD ranging from 3% to 20% (no fails)
- Three H₂S duplicates at Duvernay 2, Kakwa 4, Jayar2 14-8
 - RPD ranging from 24% to 61% (2 fails)
 - Kakwa 4 duplicate 59%, 0.11 and 0.06ppb
 - Jayar2 14-8 duplicate 61%, 0.17 and 0.32 ppb

Dustfall Monitoring

- Five Stations collected Total Dustfall and Fixed Dustfall
- Total dustfall ranged from 22.7 to 271.3 mg/100cm²/30day
 - One reading above the AAAQG of 158 mg/100cm²/30day at Milner Pipeline
- RPD was 30 to 124% (one fail with Fixed Dustfall, readings of 36.1 and 8.4)

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.

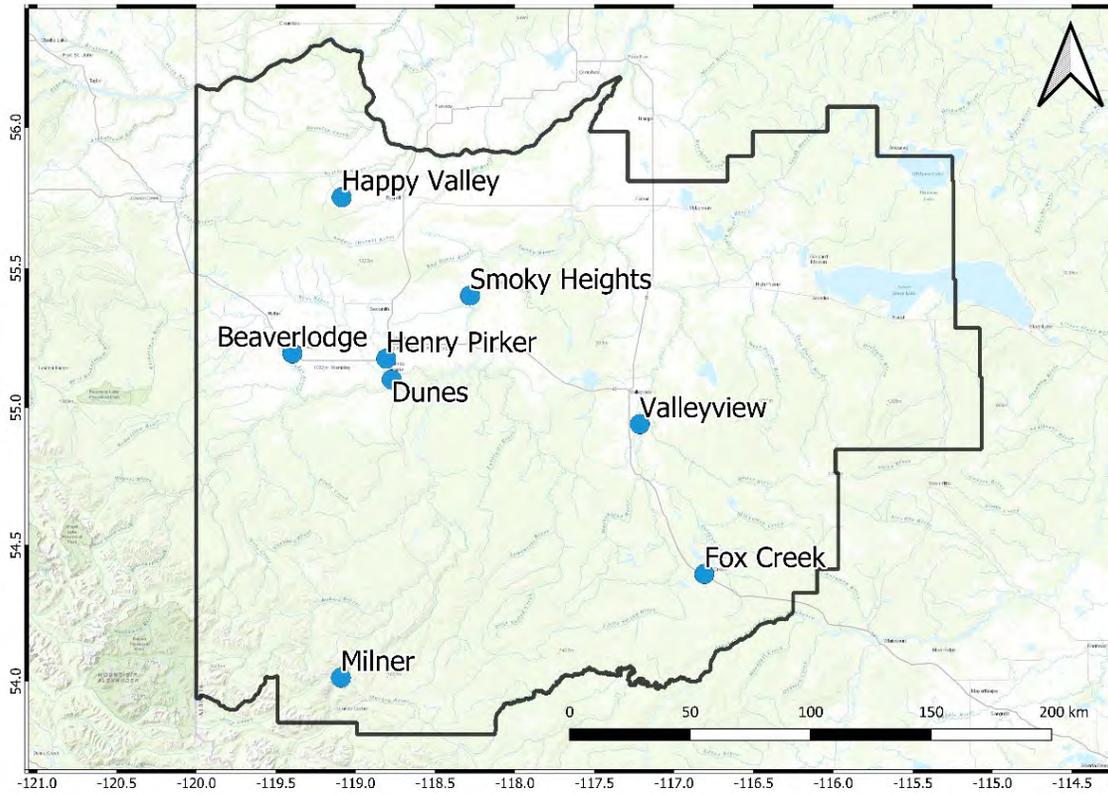


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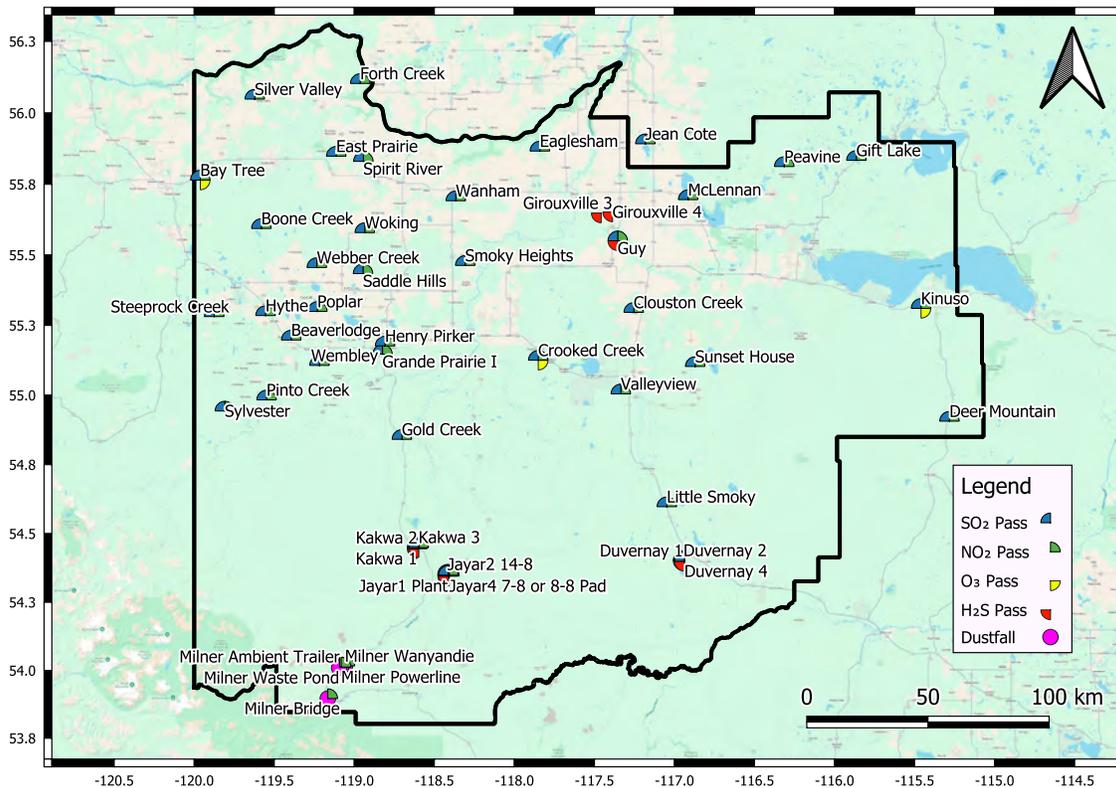
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PAZA Continuous Monitoring Station Locations



PAZA Passive Monitoring Station Locations



1 November 2025 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 - November 2025 Beaverlodge Station Report

Parameter	November				1-hour			24-hour			Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
NO (ppb)	1.2	0.0	95.1%	100.0%	52.2	-	Nov-18 13:00	7.9	-	Nov-29	-	-	-	-	Nov 11, 2025	
NO ₂ (ppb)	5.4	0.4	95.1%	100.0%	21.8	159	Nov-30 16:00	14.9	-	Nov-29	0	-	-	-	Nov 11, 2025	
NO _x (ppb)	6.6	0.4	95.1%	100.0%	66.1	-	Nov-18 13:00	22.8	-	Nov-29	-	-	-	-	Nov 11, 2025	
O ₃ (ppb)	20.6	0.0	95.3%	100.0%	42.3	76	Nov-10 07:00	36.5	-	Nov-10	0	-	-	-	Nov 11, 2025	
PM _{2.5} (µg/m ³)	6.5	0.1	100.0%	100.0%	51.5	80	Nov-30 03:00	30.1	29	Nov-29	0	-	1	-	Nov 11, 2025	
SO ₂ (ppb)	0.8	0.0	95.3%	100.0%	12.3	172	Nov-29 14:00	7.1	48	Nov-29	0	-	0	0	Nov 11, 2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	-1.9	-20.2	100.0%	100.0%	9.1	<div style="border: 1px solid black; padding: 5px;"> Note: Valid hours must be greater than 75% Operational hours must be greater than 90% </div>										
RH (%)	74.5	36.0	100.0%	100.0%	100.2											
WS (km/hr)	9.4	0.6	100.0%	100.0%	37.2											
WD (deg)	244	4.0	100.0%	100.0%	354.2	Average Wind Direction		244	WSW							

Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42iQ	Nov 27, AIC span failed (>10%) zero good, following daily spans all within limits
O ₃	Thermo	49iQ	No operational issues noted during the month
PM _{2.5}	API	T640	No operational issues noted during the month; Nov 29, 1x24hr reading above AAAQO, no readings above AAAQG
SO ₂	Thermo	43i-TLE	No operational issues noted during the month
Met Equip	MetOne	50.5	No operational issues noted during the month

1.2 Dunes Air Monitoring Station

PAZA - November 2025 Dunes Station Report

Parameter	November				30min / 1-hour			24-hour			Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
PM _{2.5} (µg/m ³)	6.0	0.0	96.3%	96.7%	56.3	80	Nov-29 22:00	29.7	29	Nov-29	0	-	1	-	Nov-13-2025	
SO ₂ (ppb)	0.3	0.0	92.0%	96.7%	5.7	172	Nov-04 12:00	1.2	48	Nov-27	0	-	0	0	Nov-13-2025	
TRS (ppb)	0.6	0.2	92.1%	96.7%	3.4	5	Nov-29 21:30	1.2	3	Nov-29	0	-	0	-	Nov-13-2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	-2.9	-22.6	96.7%	96.7%	9.7	<div style="border: 1px solid black; padding: 5px;"> Note: Valid hours must be greater than 75% Operational hours must be greater than 90% </div>										
RH (%)	72.0	31.3	96.7%	96.7%	99.9											
WS (km/hr)	3.2	0.0	96.7%	96.7%	14.5											
WD (deg)	251	0.8	96.7%	96.7%	357.4	Average Wind Direction		251	WSW							

Update Summary:

Parameter	Make	Model	Equipment summary
PM _{2.5}	Thermo	SHARP 5030	Nov 10, data collection loss (2hrs); Nov 16-17, data collection loss (22hrs); Nov 29, 1x24hr reading above AAAQO
SO ₂	Thermo	43i	Nov 10, data collection loss (2hrs); Nov 16-17, data collection loss (22hrs)
TRS	Thermo	43i	Nov 10, data collection loss (2hrs); Nov 11 install calibration due to oxidizer swap, adjusted perm oven to 35C (no removal calibration performed); Nov 16-17, data collection loss (22hrs); no 30min readings above AAAQG
Met Equip	Gil/RMYoung	MetPak/RMY86004	Nov 10, data collection loss (2hrs); Nov 16-17, data collection loss (22hrs)

1.3 Grande Prairie - Henry Pirker Air Monitoring Station

PAZA - November 2025 Henry Pirker Station Report

Parameter	November				1-hour			8-hour / 24-hour			Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
NO (ppb)	7.0	0.0	80.3%	84.5%	115.9	-	Nov-04 11:00	22.1	-	Nov-18	-	-	-	-	Nov 06, 2025	
NO ₂ (ppb)	11.5	1.2	80.3%	84.5%	40.3	159	Nov-19 19:00	22.0	-	Nov-25	0	-	-	-	Nov 06, 2025	
NO _x (ppb)	18.6	1.4	80.3%	84.5%	144.4	-	Nov-04 11:00	43.8	-	Nov-25	-	-	-	-	Nov 06, 2025	
O ₃ (ppb)	16.2	0.0	80.2%	84.5%	42.0	76	Nov-10 08:00	34.1	-	Nov-10	0	-	-	-	Nov 06, 2025	
PM _{2.5} (µg/m ³)	6.6	0.2	84.3%	84.5%	48.8	80	Nov-26 10:00	19.9	29	Nov-26	0	-	0	-	Nov 07, 2025	
SO ₂ (ppb)	0.3	0.0	80.4%	84.5%	6.1	172	Nov-19 12:00	1.9	48	Nov-14	0	-	0	0	Nov 06, 2025	
H ₂ S (ppb)	0.2	0.0	80.2%	84.5%	1.7	10	Nov-19 09:00	0.5	3	Nov-19	0	-	0	-	Nov 07, 2025	
CH ₄ (ppm)	2.5	2.2	55.1%	59.1%	6.4	-	Nov-12 06:00	3.0	-	Nov-12	-	-	-	-	Nov 07, 2025	
THC (ppm)	2.4	2.0	55.1%	59.1%	6.4	-	Nov-12 06:00	3.0	-	Nov-12	-	-	-	-	Nov 07, 2025	
NMHC (ppm)	0.0	0.0	55.1%	59.1%	0.5	-	Nov-12 09:00	0.0	-	Nov-12	-	-	-	-	Nov 07, 2025	
CO (ppm)	0.2	0.1	80.2%	84.5%	0.9	13	Nov-19 19:00	0.3	5	Nov-18	0	0	-	-	Nov 06, 2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	-0.6	-12.4	84.5%	84.5%	10.3	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%										Dec 12, 2024
RH (%)	66.6	34.4	84.5%	84.5%	86.3											Dec 12, 2024
SR (W/m ²)	36.5	0.0	84.6%	84.6%	360.4											Dec 12, 2024
WS (km/hr)	6.6	0.1	84.5%	84.5%	36.2											Dec 12, 2024
WD (deg)	252	8.3	84.5%	84.5%	359.3											Dec 12, 2024
Average Wind Direction		252		WSW												

Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42i	Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, valid month at 84.5%
O ₃	TECO	49i	Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, valid month at 84.5%
PM _{2.5}	API	T640	Nov 3, odd spike with flat cap at 60 removed (1hr); Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (95hrs removed); Operational uptime <90%, valid month at 84.5%
SO ₂	Thermo	43i-TLE	Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, valid month at 84.5%
H ₂ S	TEI	450i	Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, valid month at 84.5%
THC/CH ₄ /NMHC	TEI	55i	Nov 18, analyzer flatlined, no data collected, site investigation Nov 19 found instrument unresponsive (58hrs); Nov 20, removed the Mocan 9000 MNME analyzer, installed spare 55i; Nov 20-21, vandalism cut power to station (18hrs removed); Nov 21, install calibration of 55i, 4hrs maintenance; Nov 21-27, data recorded was below 1.8ppm (running at 1.5ppm), as such all data removed (118hrs); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <75%, valid month at 59.1%, average is not valid, shown for reference only
CO	Thermo	48i-TLE	Nov 6, removal calibration on the loaner unit from AEPA, installed original PAZA unit, no issues noted; Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, valid month at 84.5%
Met Equip	MetOne	50.5	Nov 20-21, vandalism cut power to station (16hrs removed); Nov 27-30, vandalism cut power again to station, equipment removed to prevent further damage (96hrs removed); Operational uptime <90%, valid month at 84.5%

1.4 Smoky Heights Air Monitoring Station

PAZA - November 2025 Smoky Heights Station Report

Parameter	November				30min / 1-hour			24-hour			Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
PM _{2.5} (µg/m ³)	7.9	0.0	99.6%	100.0%	322.6	80	Nov-20 00:00	35.1	29	Nov-30	4	-	2	-	Nov 21, 2025	
SO ₂ (ppb)	0.4	0.0	95.3%	100.0%	6.0	172	Nov-10 21:00	1.3	48	Nov-10	0	-	0	0	Nov 21, 2025	
TRS (ppb)	0.2	0.0	95.1%	100.0%	1.9	5	Nov-19 23:30	0.8	3	Nov-30	0	-	0	-	Nov 21, 2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	-3.2	-24.6	100.0%	100.0%	10.1	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%										Aug 02, 2025
WS (km/hr)	10.7	0.4	100.0%	100.0%	47.8											Aug 02, 2025
WD (deg)	255	0.3	100.0%	100.0%	356.5											Aug 02, 2025
Average Wind Direction		255		WNW												

Update Summary:

Parameter	Make	Model	Equipment summary
PM _{2.5}	Sharp	5030	Nov 21, removal calibration for SHARP (S/N 0208, AEPA loan), installation of SHARP (S/N 0271); Nov 19, 4x1hr readings above AAAQG, Nov 19&30, 2x24hr readings above AAAQG
SO ₂	TECO	43i	No Operational issues noted during the month
TRS	TEI	43i APSAA	No Operational issues noted during the month
Met Equip	MetOne	50.5	No Operational issues noted during the month

1.5 Valleyview Air Monitoring Station

PAZA - November 2025 Valleyview Station Report

Parameter	November				1-hour			24-hour			Exceedance				Calibration Date
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	
SO ₂ (ppb)	0.1	0.0	95.4%	100.0%	4.3	172	Nov-23 14:00	0.3	48	Nov-18	0	-	0	0	Nov 14, 2025
H ₂ S (ppb)	0.1	0.0	95.3%	100.0%	0.8	10	Nov-20 22:00	0.4	3	Nov-20	0	-	0	-	Nov 14, 2025
	Average	Minimum	Valid	Operational	Maximum										
Temp (°C)	-2.9	-25.9	100.0%	100.0%	11.3	<div style="border: 1px solid black; padding: 5px;"> Note: Valid hours must be greater than 75% Operational hours must be greater than 90% </div>									
RH (%)	76.7	32.9	100.0%	100.0%	99.4										
WS (km/hr)	3.5	0.1	100.0%	100.0%	19.3										
WD (deg)	221	0.7	100.0%	100.0%	359.7	Average Wind Direction		221	NW						

Update Summary:

Parameter	Make	Model	Equipment summary
SO ₂	TEI	43i-APSCB	No operational issues noted during the month
H ₂ S	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 - November 2025 Fox Creek Station Report

Parameter	November				1-hour			8-hour / 24-hour			Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
NO (ppb)	11.5	0.0	95.3%	100.0%	69.9	-	Nov-19 07:00	25.5	-	Nov-19	-	-	-	-	Nov 13, 2025	
NO ₂ (ppb)	10.2	0.8	95.3%	100.0%	35.9	159	Nov-12 17:00	18.3	-	Nov-12	0	-	-	-	Nov 13, 2025	
NO _x (ppb)	22.0	0.9	95.3%	100.0%	100.3	-	Nov-19 07:00	41.3	-	Nov-19	-	-	-	-	Nov 13, 2025	
O ₃ (ppb)	14.3	0.4	95.3%	100.0%	41.2	76	Nov-10 14:00	30.5	-	Nov-10	0	-	-	-	Nov 13, 2025	
PM _{2.5} (µg/m ³)	5.0	0.3	99.9%	100.0%	23.5	80	Nov-27 11:00	13.9	29	Nov-27	0	-	0	-	Nov 13, 2025	
SO ₂ (ppb)	0.4	0.0	95.4%	100.0%	7.7	172	Nov-22 13:00	1.4	48	Nov-22	0	-	0	0	Nov 13, 2025	
H ₂ S (ppb)	0.2	0.0	95.4%	100.0%	6.4	10	Nov-21 10:00	0.4	3	Nov-19	0	-	0	-	Nov 13, 2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	-1.9	-19.1	100.0%	100.0%	12.4	<div style="border: 1px solid black; padding: 5px;"> Note: Valid hours must be greater than 75% Operational hours must be greater than 90% </div>										Sep 17, 2025
WS (km/hr)	5.4	0.3	100.0%	100.0%	26.7											
WD (deg)	193	6.5	100.0%	100.0%	358.6	Average Wind Direction		193	SSW							Sep 17, 2025

Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42IQ	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; no readings above AAAQG or AAAQO
SO ₂	TEI	43I-TLE	No operational issues noted during the month
H ₂ S	TEI	450i	No operational issues noted during the month
Met Equip	MetOne	50.5	No operational issues noted during the month

1.7 Happy Valley Air Monitoring Station

PAZA - November 2025 Happy Valley Station Report

Parameter	November			30min / 1-hour				24-hour		Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	ix Day and Time	Max	Objective	Max Day	1hr	8hr	24hr		30d
NO (ppb)	0.6	0.0	94.2%	99.7%	11.9	-	Nov-20 16:00	3.2	-	Nov-29	-	-	-	-	Nov 12, 2025
NO ₂ (ppb)	3.0	0.3	94.2%	99.7%	15.7	159	Nov-19 22:00	9.1	-	Nov-29	0	-	-	-	Nov 12, 2025
NO _x (ppb)	3.7	0.5	94.2%	99.7%	27.6	-	Nov-20 16:00	12.3	-	Nov-29	-	-	-	-	Nov 12, 2025
O ₃ (ppb)	23.5	0.0	95.1%	99.7%	39.6	76	Nov-10 06:00	35.3	-	Nov-01	0	-	-	-	Nov 12, 2025
PM _{2.5} (µg/m ³)	4.5	0.1	99.9%	100.0%	44.7	80	Nov-26 11:00	18.8	29	Nov-26	0	-	0	-	Nov 12, 2025
SO ₂ (ppb)	0.5	0.0	94.9%	99.7%	8.5	172	Nov-18 02:00	1.3	48	Nov-04	0	-	0	0	Nov 12, 2025
TRS (ppb)	0.4	0.2	94.6%	99.7%	6.9	5	Nov-03 17:00	0.7	-	Nov-03	2	-	-	-	Nov 12, 2025
CH ₄ (ppm)	2.1	2.0	94.9%	99.4%	3.6	-	Nov-29 06:00	2.5	-	Nov-29	-	-	-	-	Sep 06, 2025
THC (ppm)	2.2	2.0	94.9%	99.4%	4.8	-	Nov-29 06:00	2.6	-	Nov-29	-	-	-	-	Sep 06, 2025
NMHC (ppm)	0.0	0.0	94.9%	99.4%	1.2	-	Nov-29 06:00	0.1	-	Nov-30	-	-	-	-	Sep 06, 2025
	Average	Minimum	Valid	Operational	Maximum										
Temp (°C)	-3.3	-24.9	100.0%	100.0%	11.0										
WS (km/hr)	14.3	0.1	100.0%	100.0%	47.9										
WD (deg)	251	2.8	100.0%	100.0%	355.9										

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

Average Wind Direction	251	WSW
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Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	TEI	42i	Nov 20 manual AIC performed to verify operations (1hr); Nov 28-30, span failed, Nov 29, manual AIC performed to verify operations (also failed, 1hr); Dec 01 AIC was ok and calibration performed Dec 01
O ₃	TEI	49I	Nov 20 & 29, manual AIC performed to verify operations (2hrs)
PM _{2.5}	API	T640	No operational issues noted in the month; no readings above AAAQG or AAAQO
SO ₂	TEI	43I	Nov 20 & 29, manual AIC performed to verify operations (2hrs)
TRS	TEI	43I	Nov 20 & 29, manual AIC performed to verify operations (2hrs); 2x30min readings above AAAQG
THC/CH ₄ /NMHC	TEI	55i	Nov 20 span failed, manual check performed and failed, additional onsite check performed and passed after adjustment of the pressure regulator (3hrs); Nov 29 manual AIC performed to verify operations (1hr)
Met Equip	MetOne	50.5	No operational issues noted in the month

1.8 Milner Air Monitoring Station

PAZA - November 2025 Milner Station Report

Parameter	November			1-hour				24-hour		Exceedance				Calibration Date	
	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr		30d
NO (ppb)	1.1	0.0	94.7%	99.2%	17.7	-	Nov-29 00:00	4.2	-	Nov-18	-	-	-	-	Nov 14, 2025
NO ₂ (ppb)	3.6	0.0	94.7%	99.2%	18.9	159	Nov-24 23:00	8.7	-	Nov-06	0	-	-	-	Nov 14, 2025
NO _x (ppb)	4.7	0.0	94.7%	99.2%	33.0	-	Nov-24 23:00	11.7	-	Nov-06	-	-	-	-	Nov 14, 2025
PM _{2.5} (µg/m ³)	4.9	0.1	99.3%	100.0%	34.2	80	Nov-25 17:00	13.7	29	Nov-27	0	-	0	-	Nov 14, 2025
	Average	Minimum	Valid	Operational	Maximum										
WS (km/hr)	7.6	0.1	100.0%	100.0%	37.0										
WD (deg)	260	0.5	100.0%	100.0%	359.1										

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

Average Wind Direction	260	W
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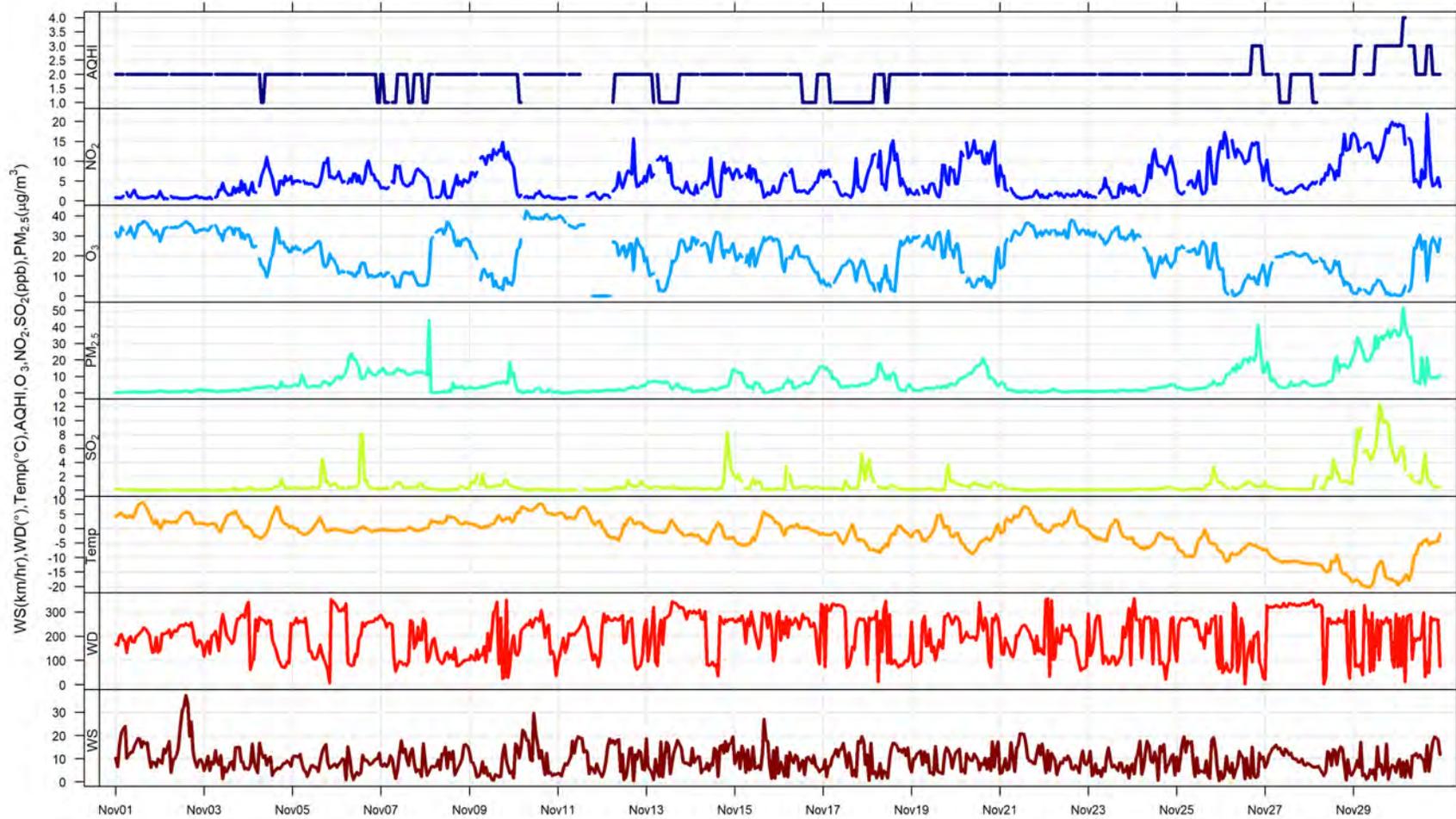
Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42i	Nov 4-5, daily zero fails and Nov 17-29, daily zero fails, span running ok (6hrs removed); Nov 29, manual AIC run to verify ok
PM _{2.5}	API	T640	No operational issues noted during the month, no readings above AAAQG or AAAQO
Met Equip	MetOne	50.5	No operational issues noted during the month

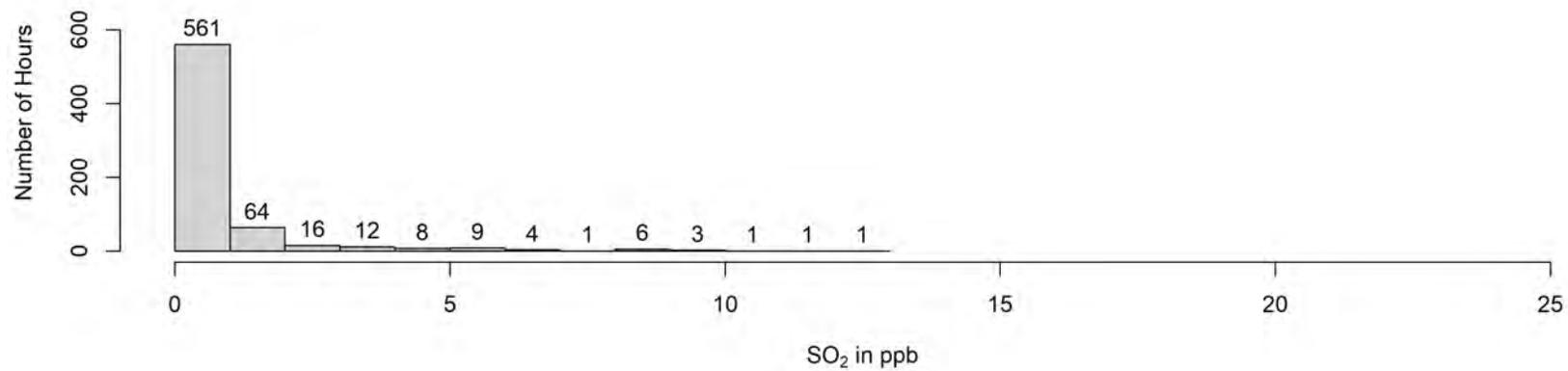
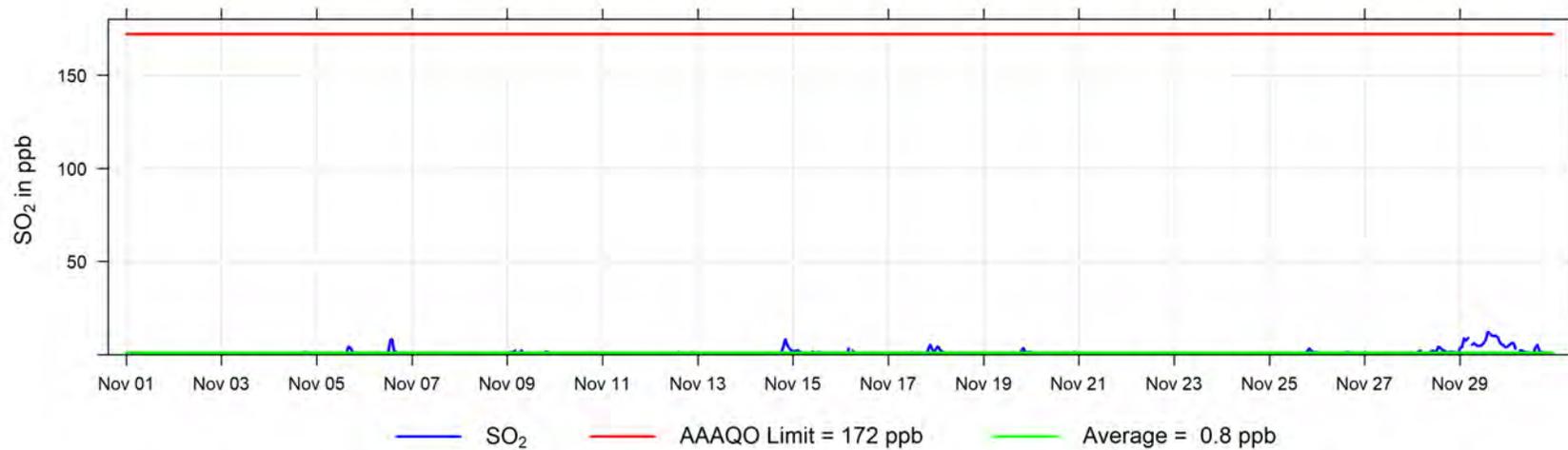
2 Beaverlodge Charts

The following pages include the charts and histograms for Beaverlodge Station

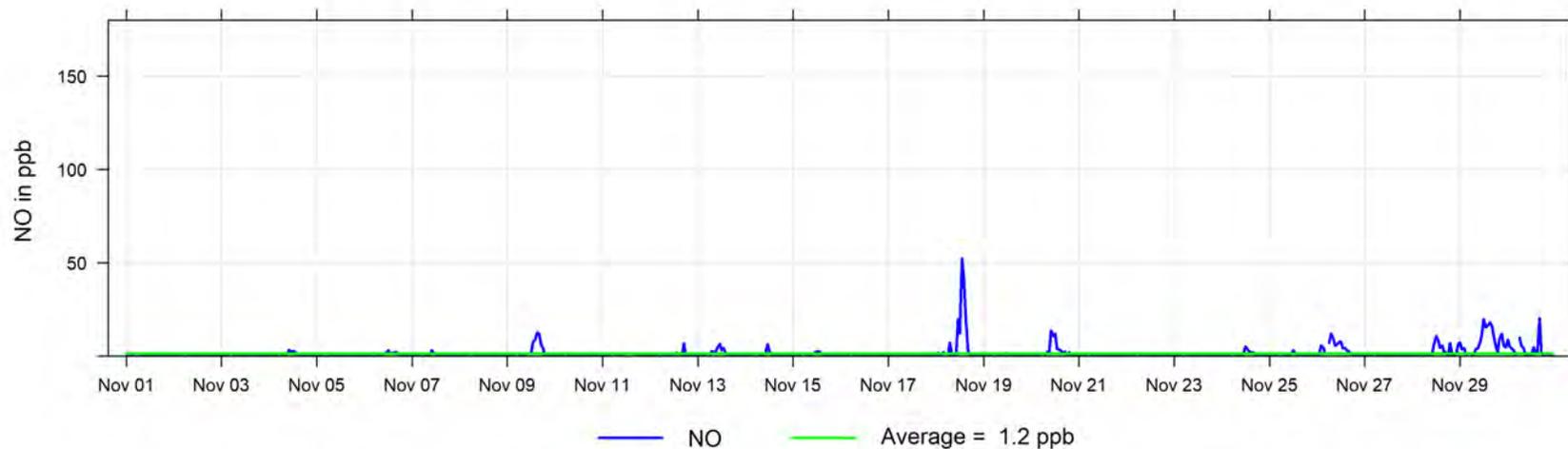
November 2025 Concentration Readings at Beaverlodge Station



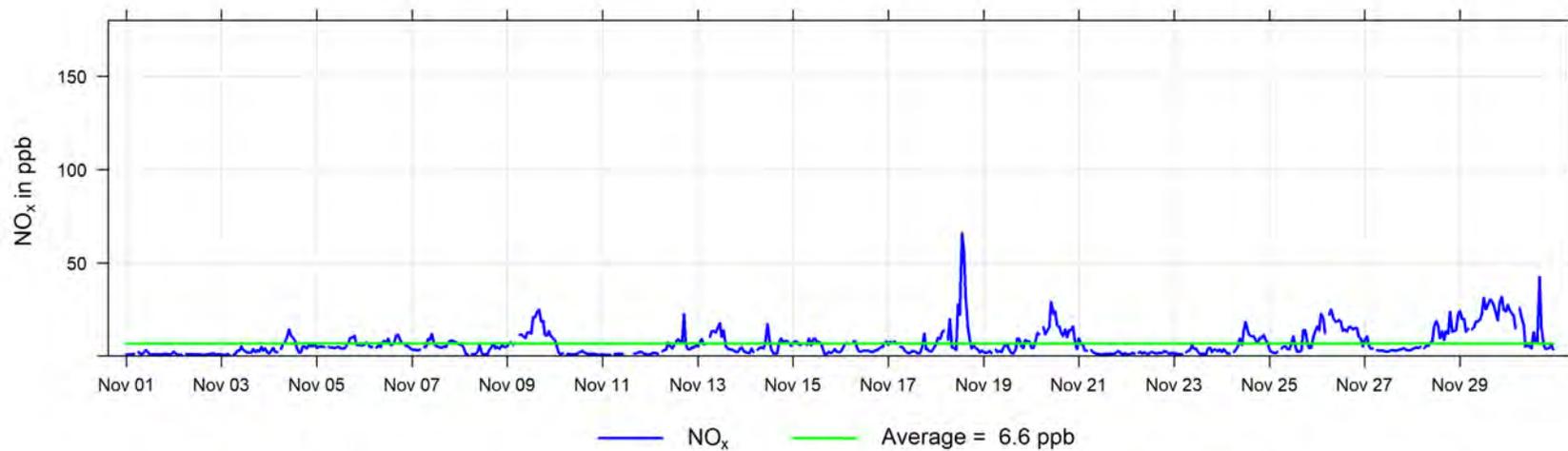
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Beaverlodge



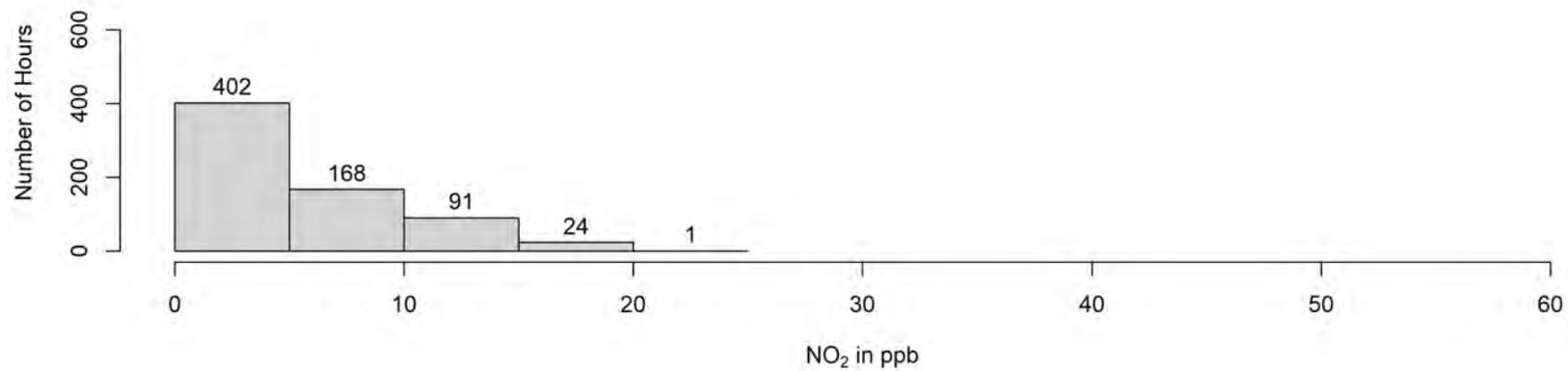
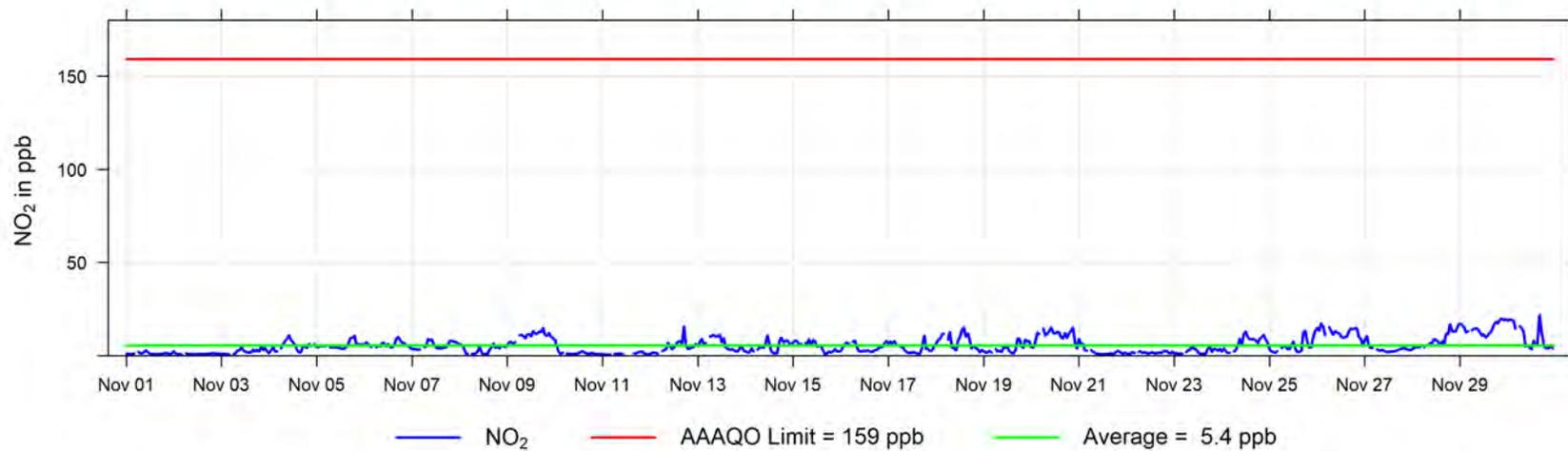
November 2025 Hourly Concentration Readings of NO (in ppb) at Beaverlodge



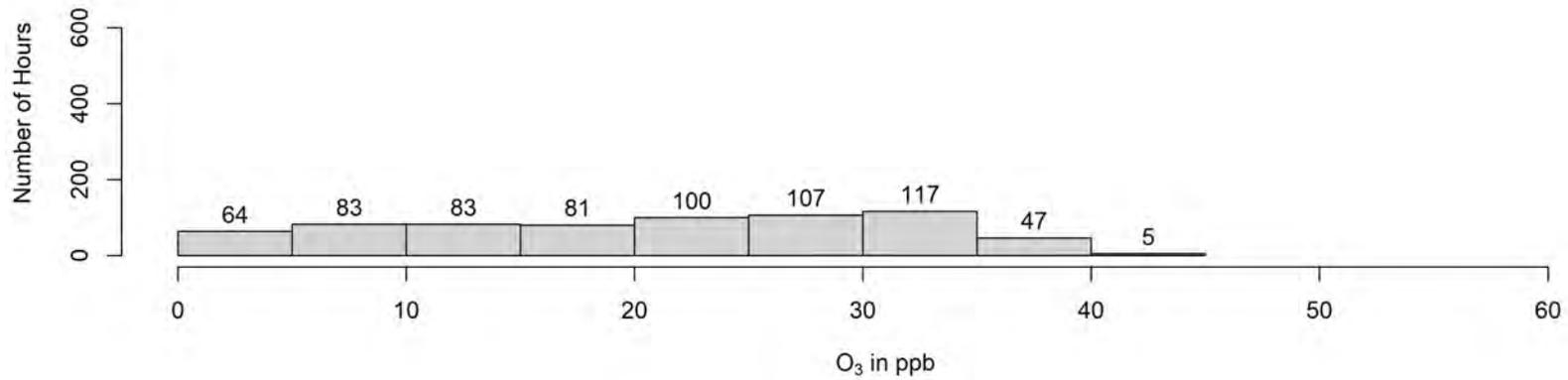
November 2025 Hourly Concentration Readings of NO_x (in ppb) at Beaverlodge



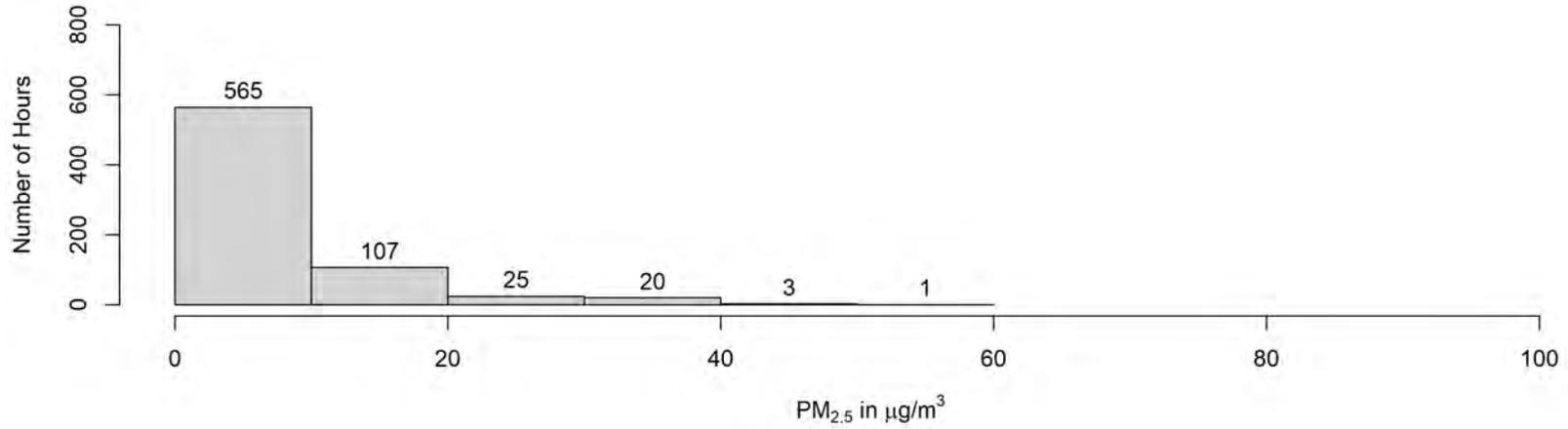
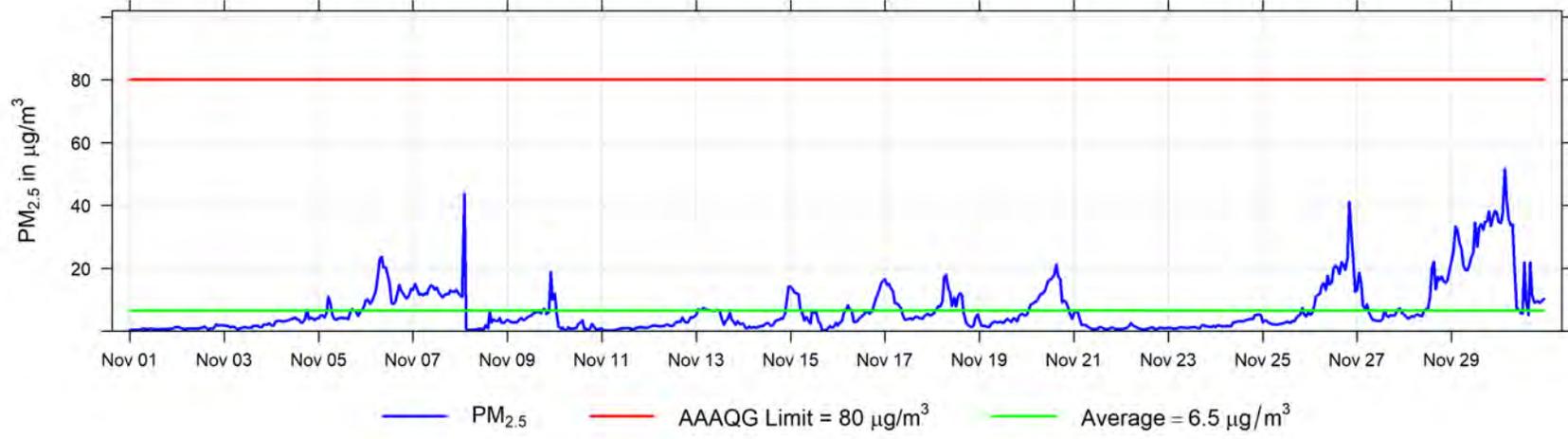
November 2025 Hourly Concentration Readings of NO₂ (in ppb) at Beaverlodge



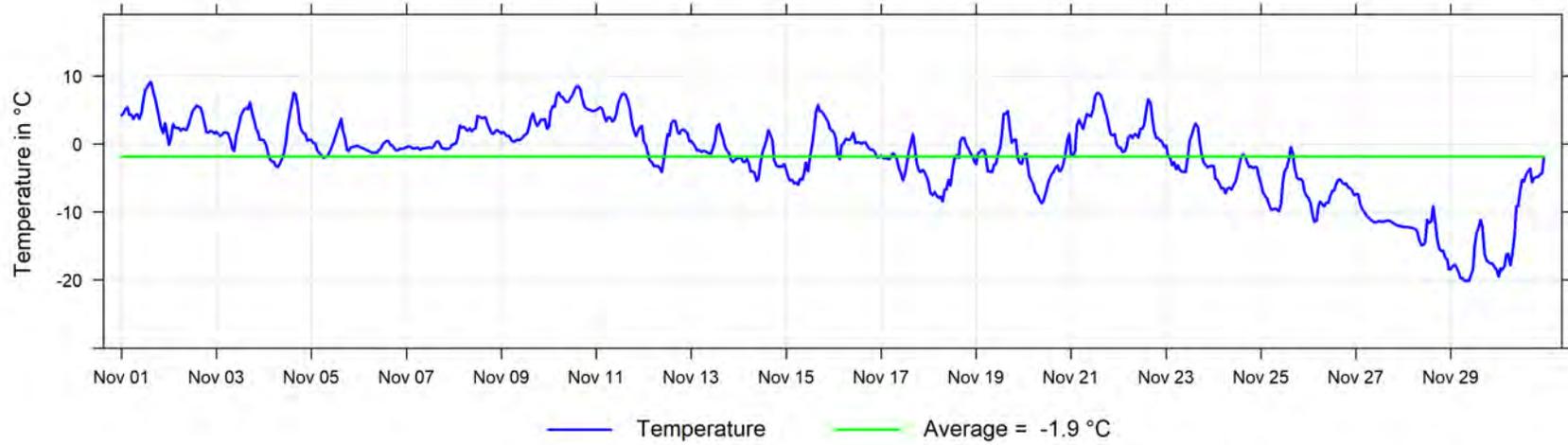
November 2025 Hourly Concentration Readings of O₃ (in ppb) at Beaverlodge



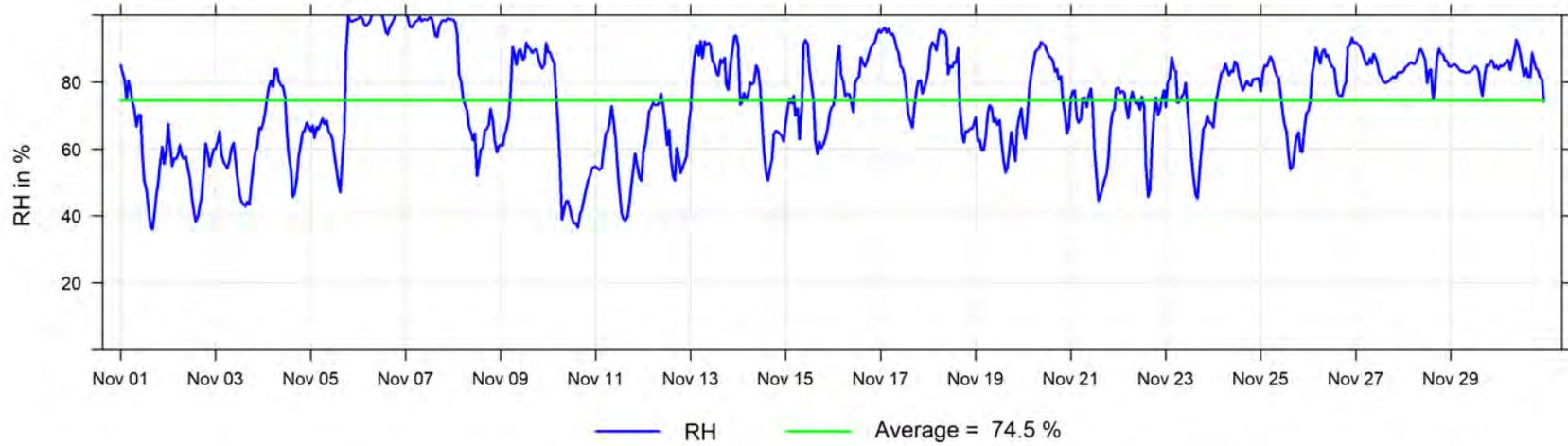
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Beaverlodge



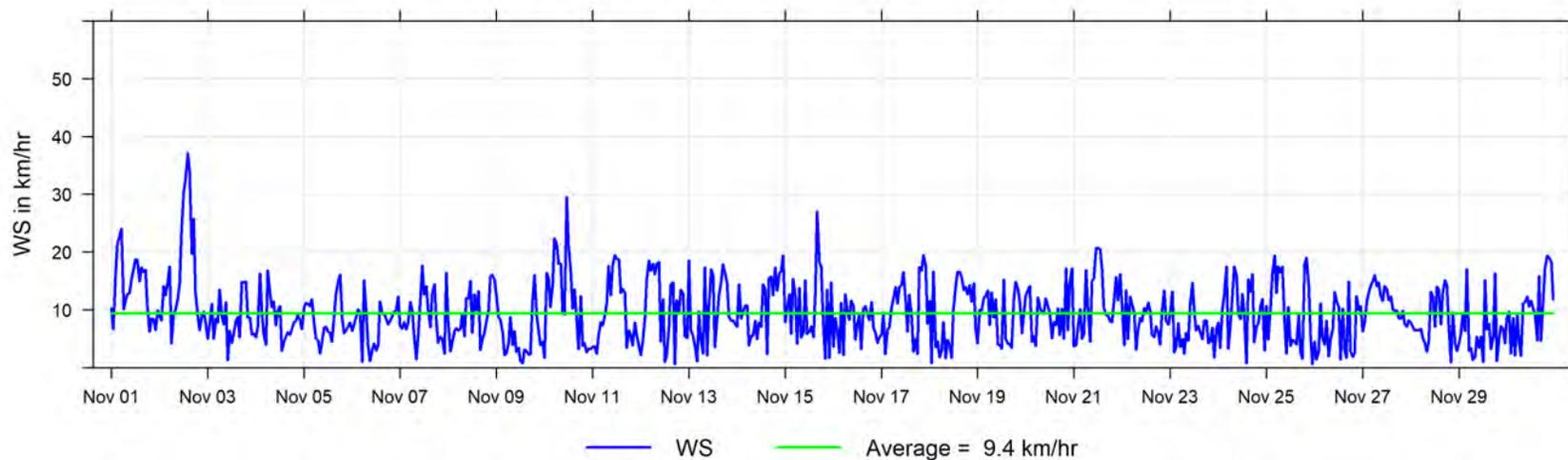
November 2025 Hourly Temperature Readings (in °C) at Beaverlodge



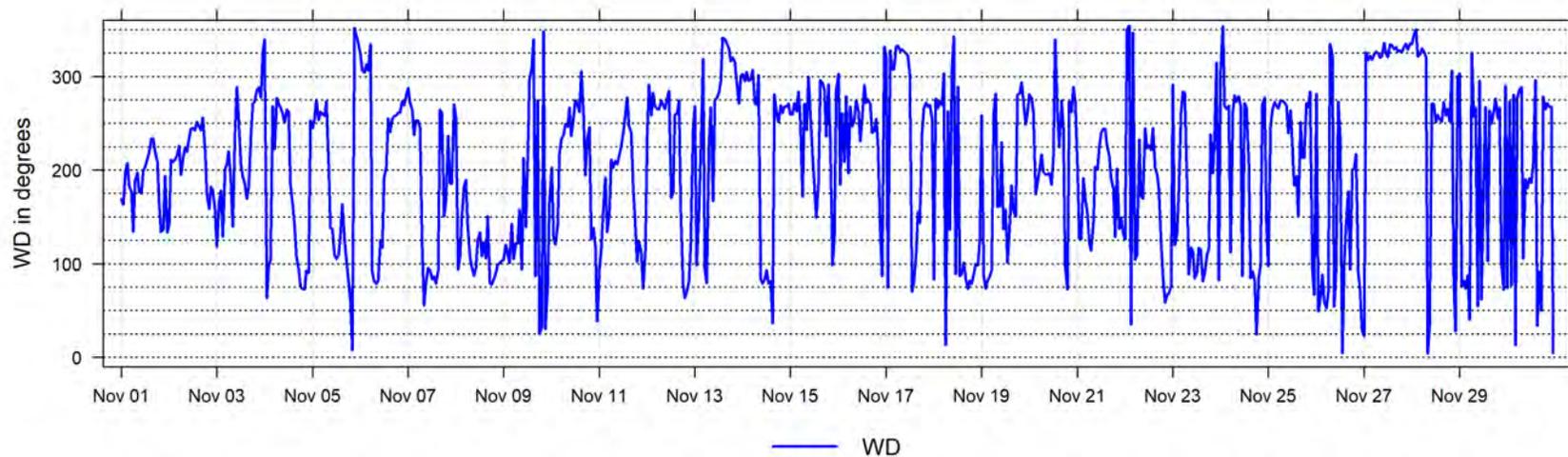
November 2025 Hourly Readings of Relative Humidity (in %) at Beaverlodge



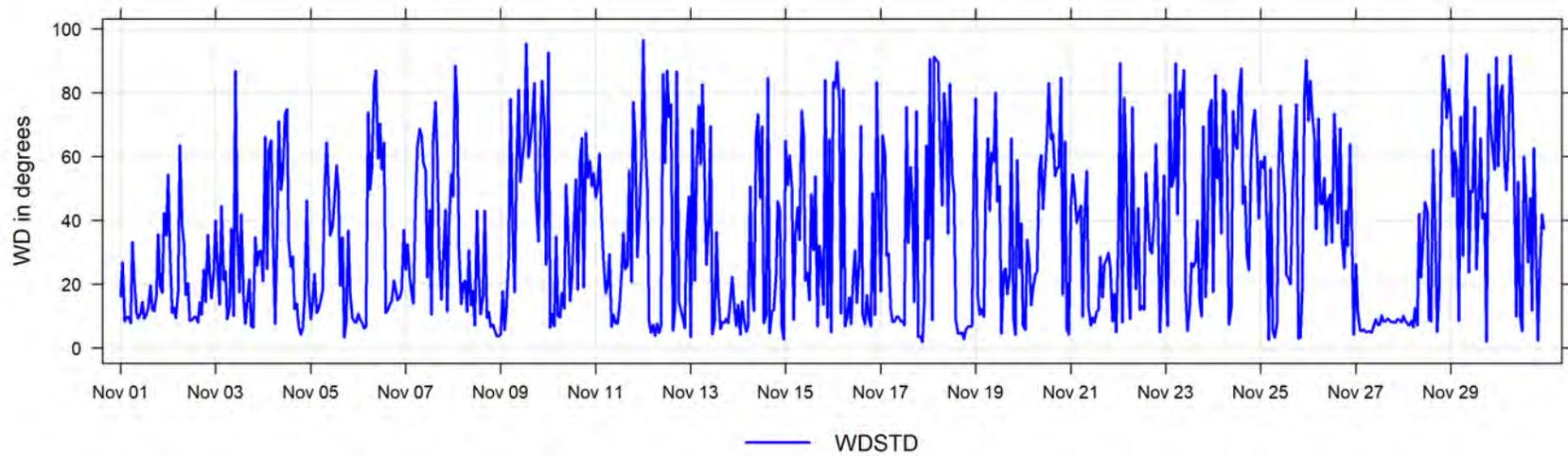
November 2025 Hourly Readings of Wind Speed (in km/hr) at Beaverlodge

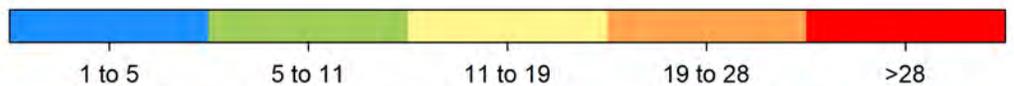
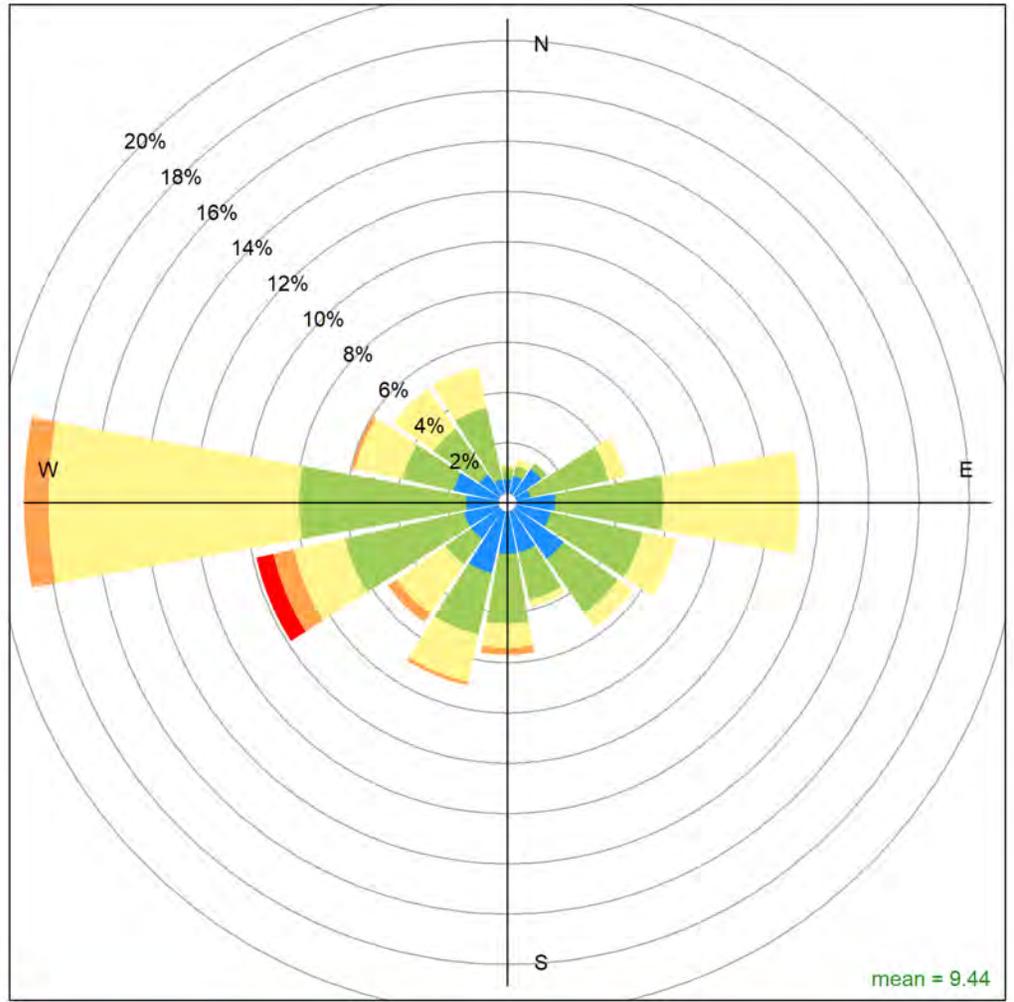


November 2025 Hourly Readings of Wind Direction (in degrees) at Beaverlodge



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Beaverlodge



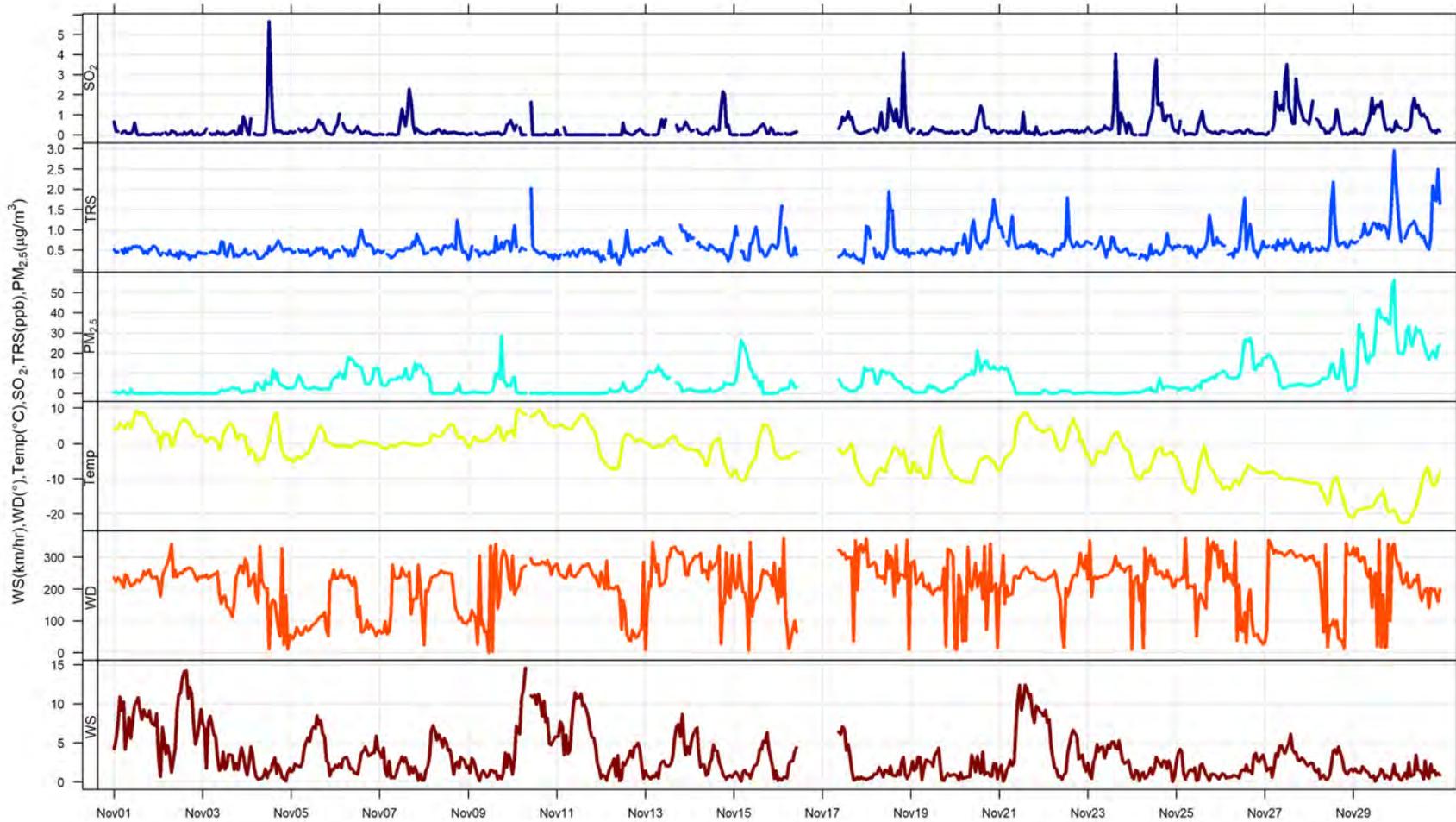


Beaverlodge November 2025 Wind Rose, wind speed in km/hr
Calms (<1km/hr) = 1.1 %

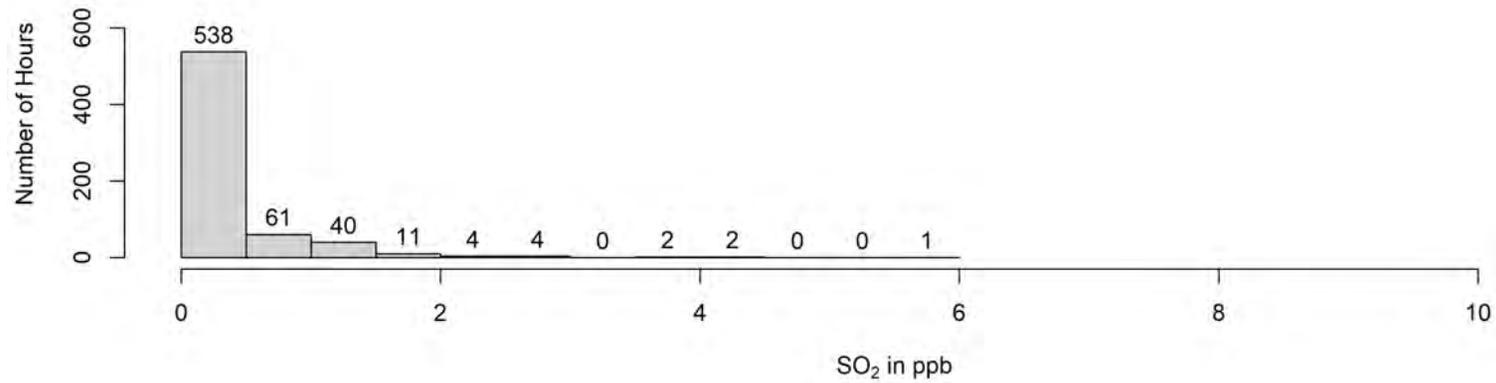
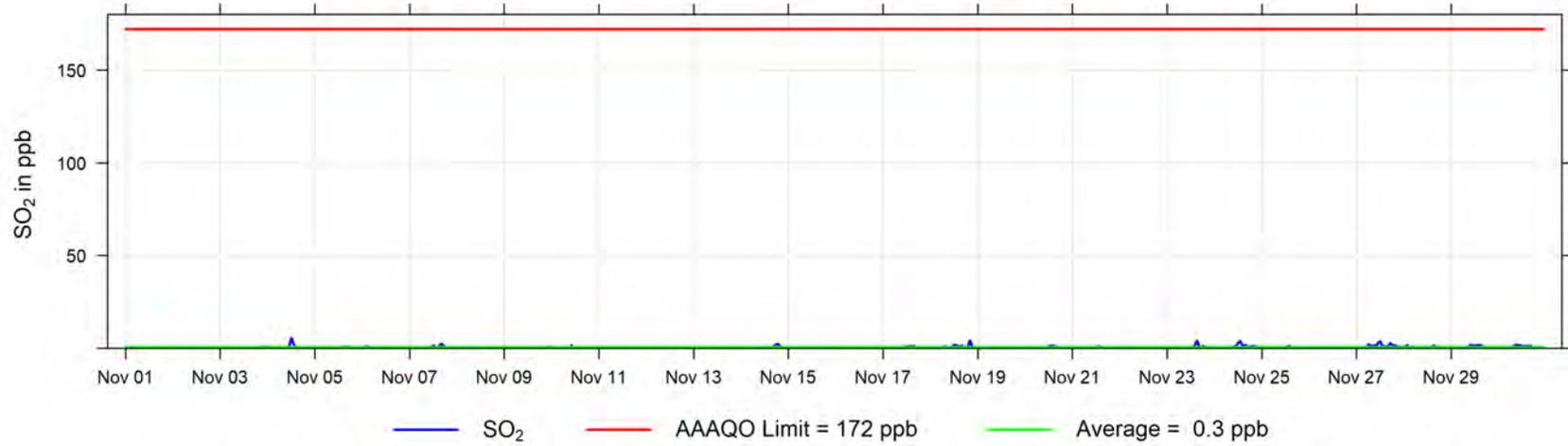
3 Dunes Charts

The following pages include the charts and histograms for Dunes Station

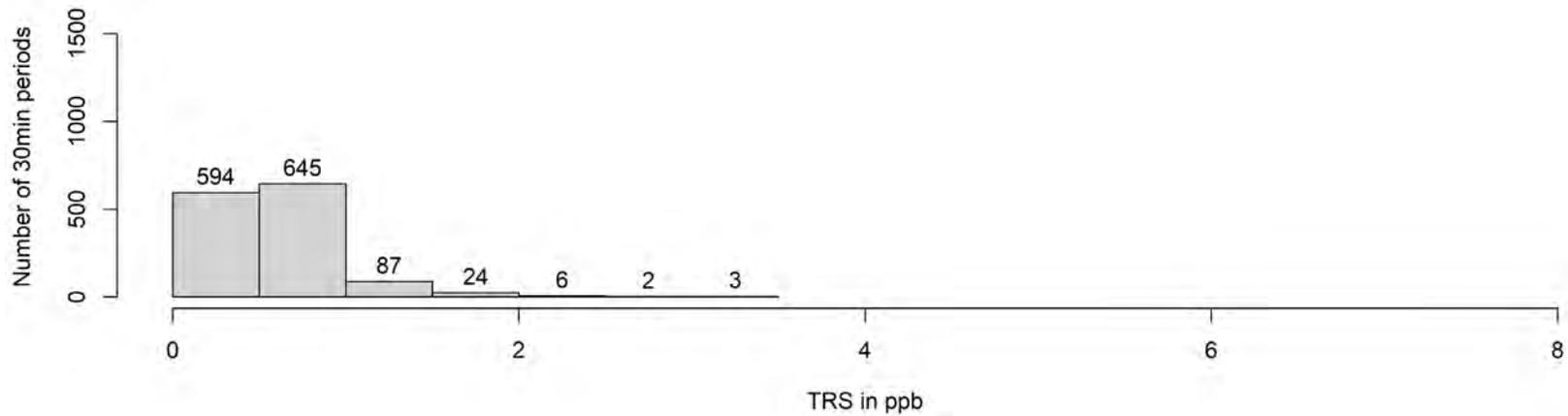
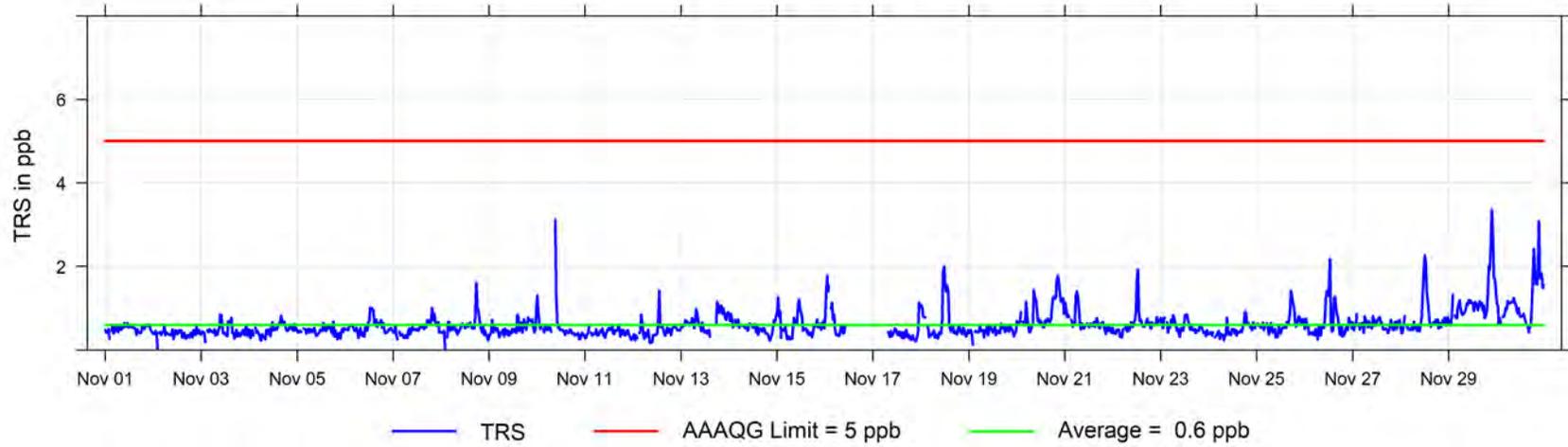
November 2025 Concentration Readings at Dunes Station



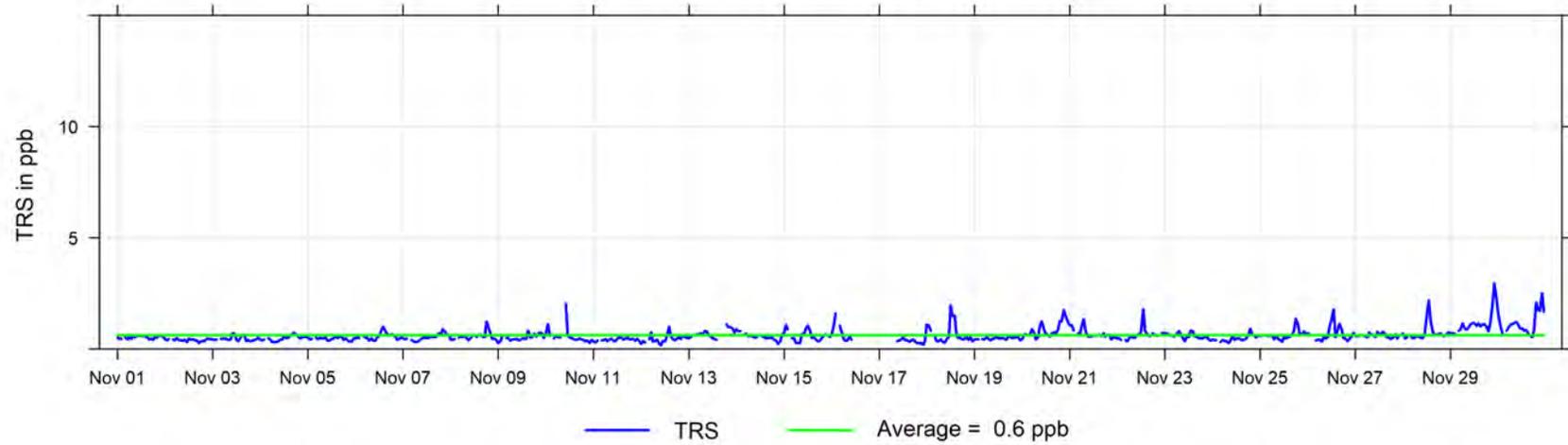
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Dunes



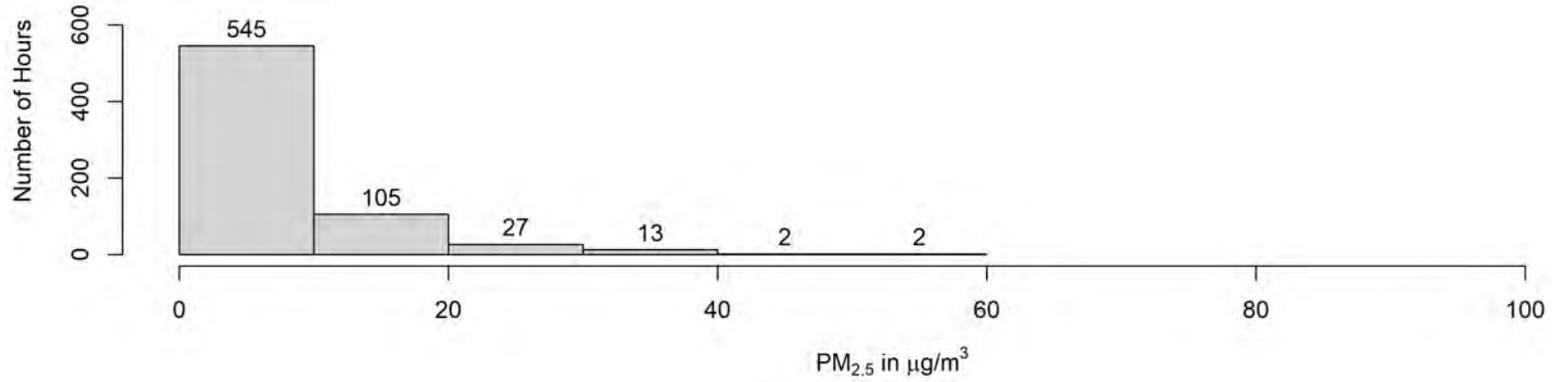
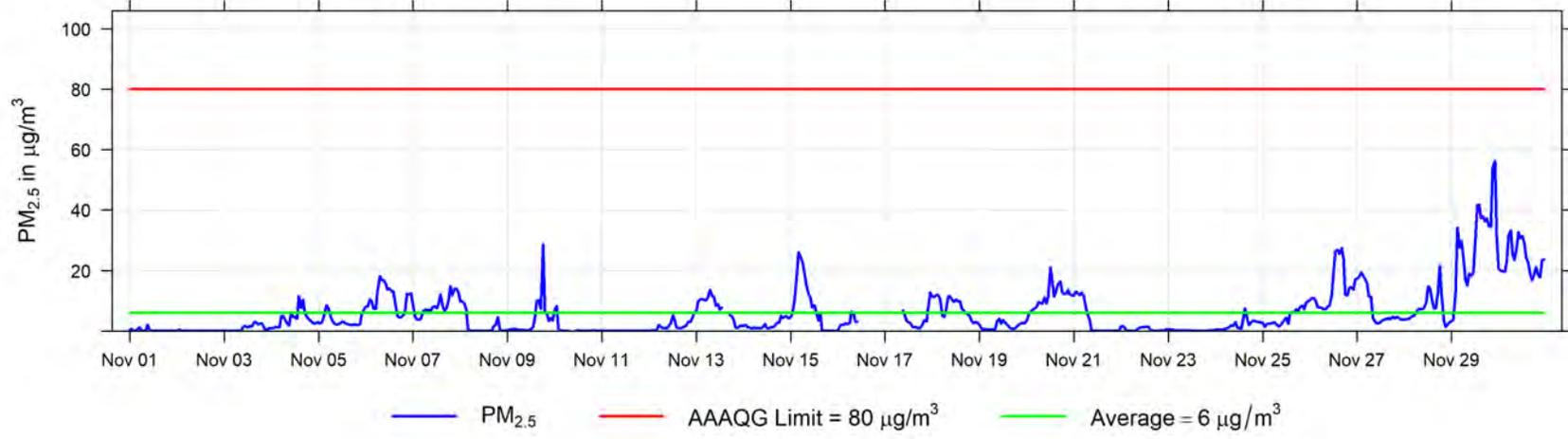
November 2025 30 min Concentration Readings of TRS (in ppb) at Dunes



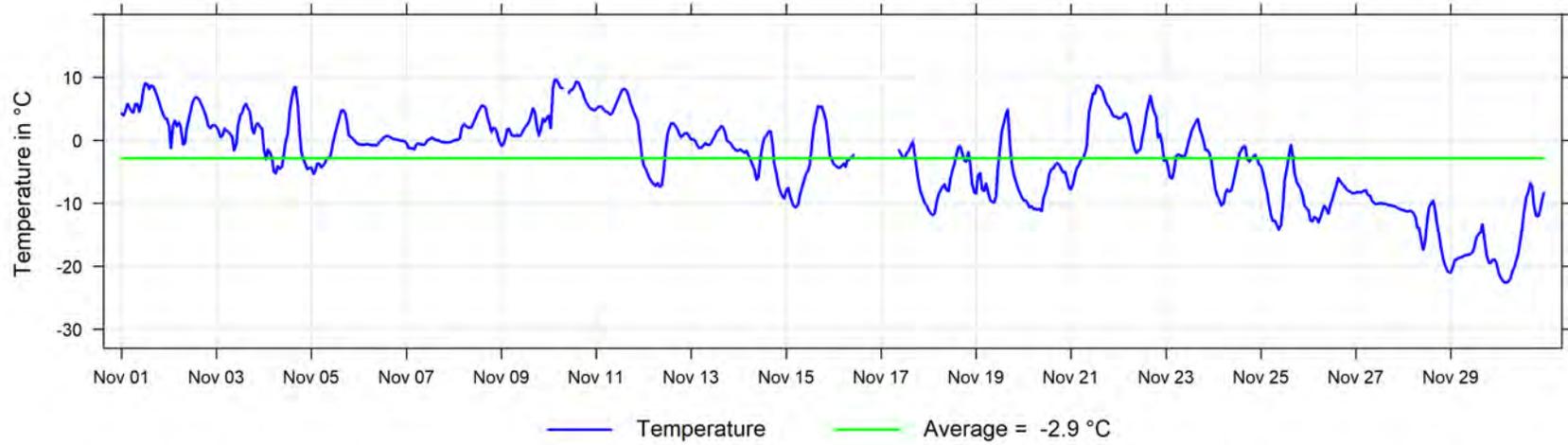
November 2025 Hourly Concentration Readings of TRS (in ppb) at Dunes



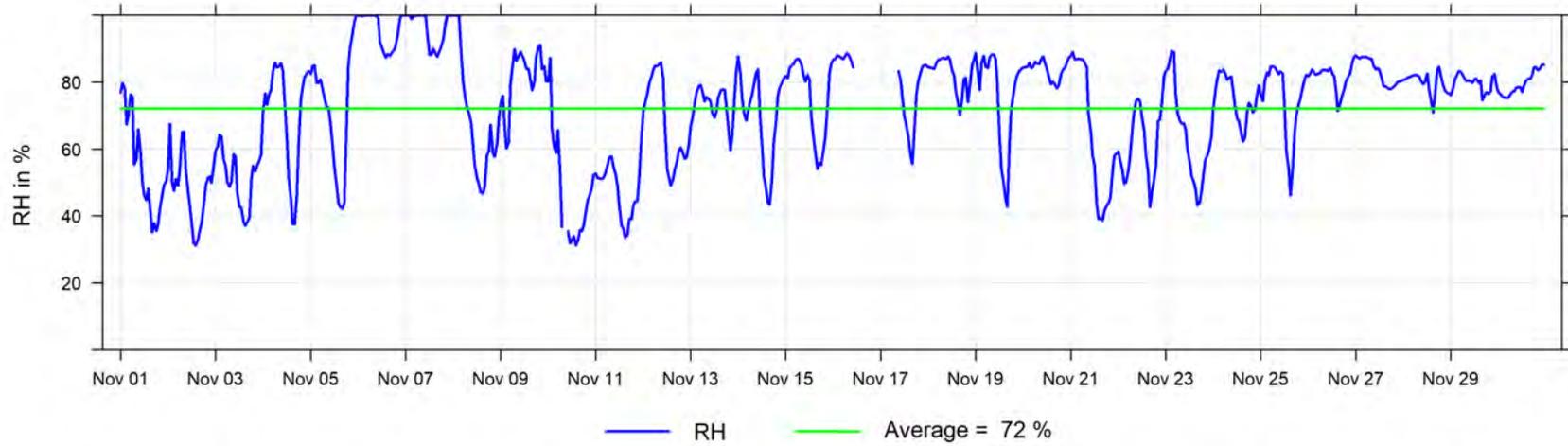
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Dunes



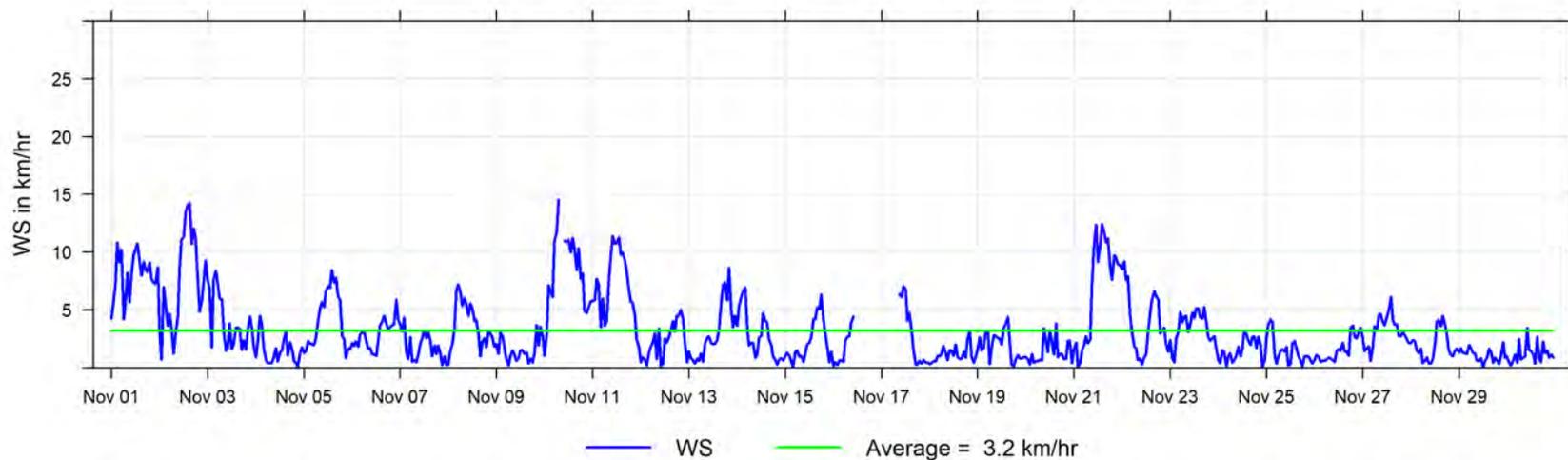
November 2025 Hourly Temperature Readings (in °C) at Dunes



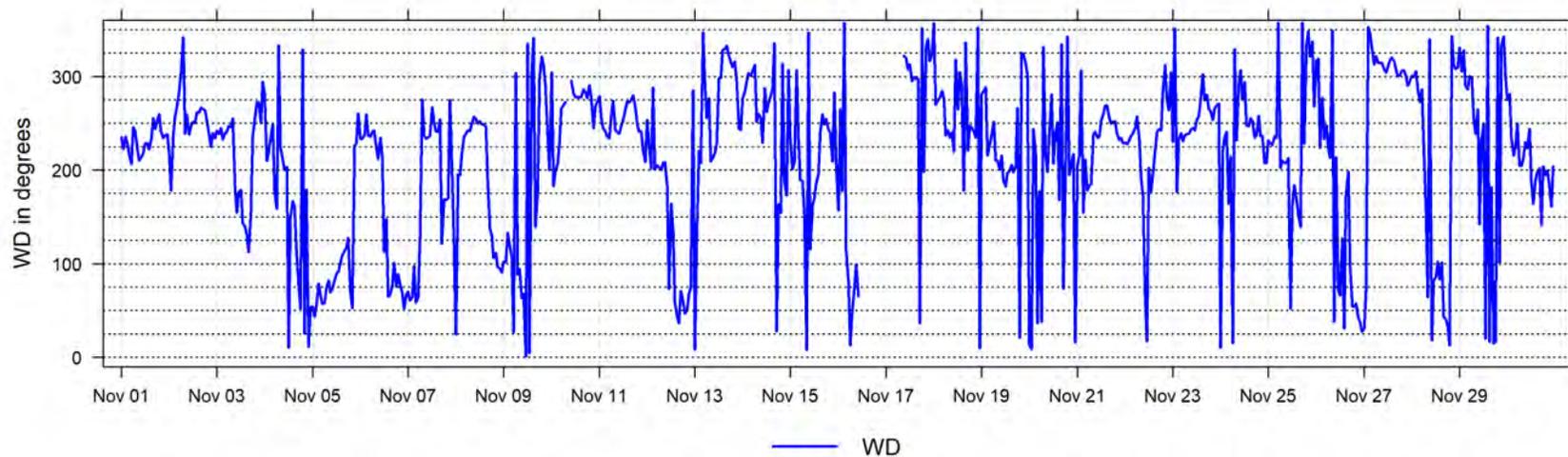
November 2025 Hourly Readings of Relative Humidity (in %) at Dunes



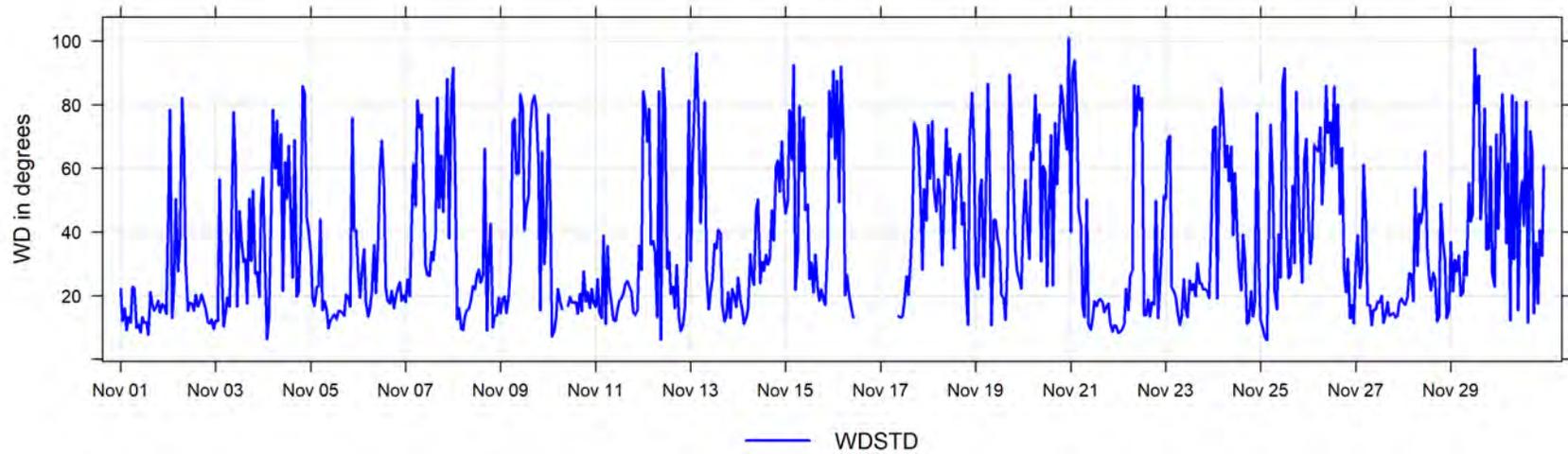
November 2025 Hourly Readings of Wind Speed (in km/hr) at Dunes

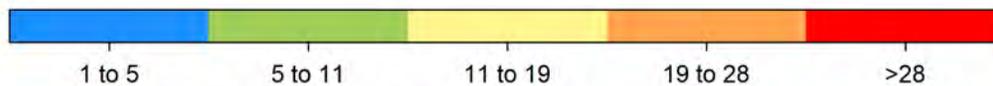
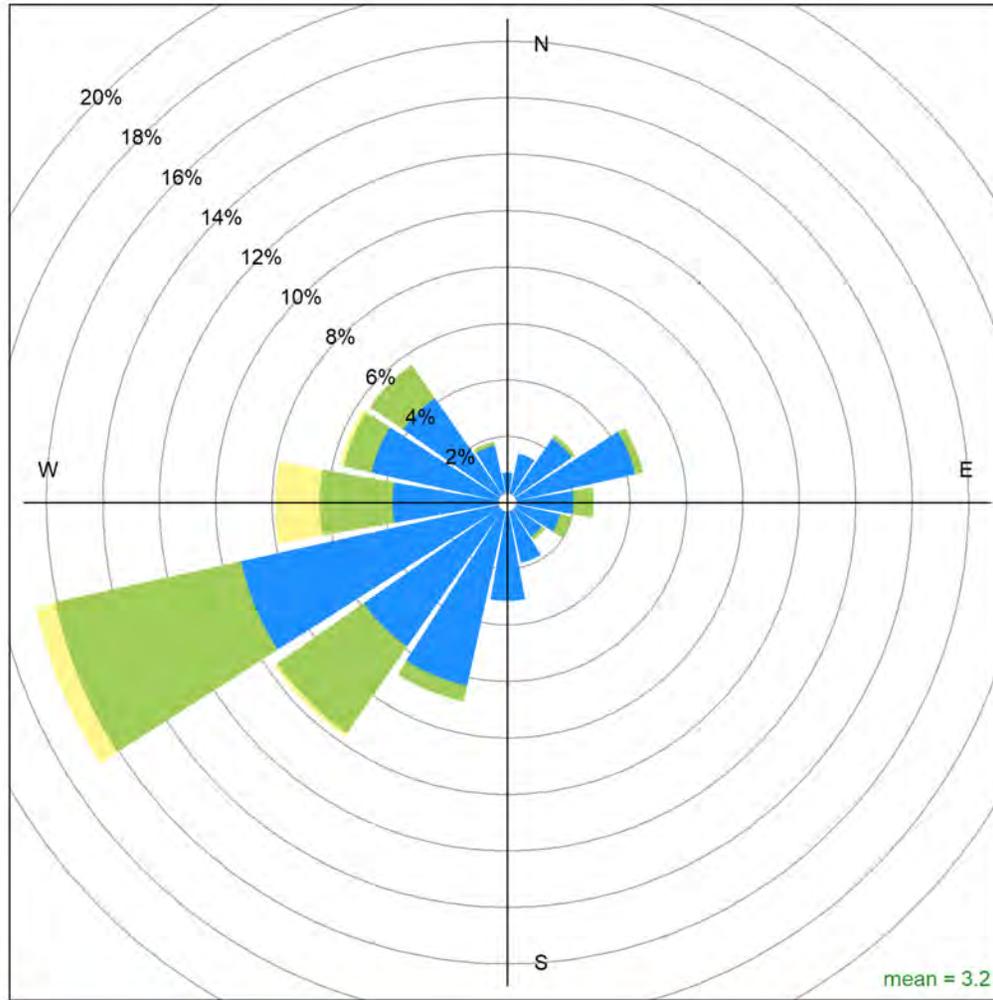


November 2025 Hourly Readings of Wind Direction (in degrees) at Dunes



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Dunes



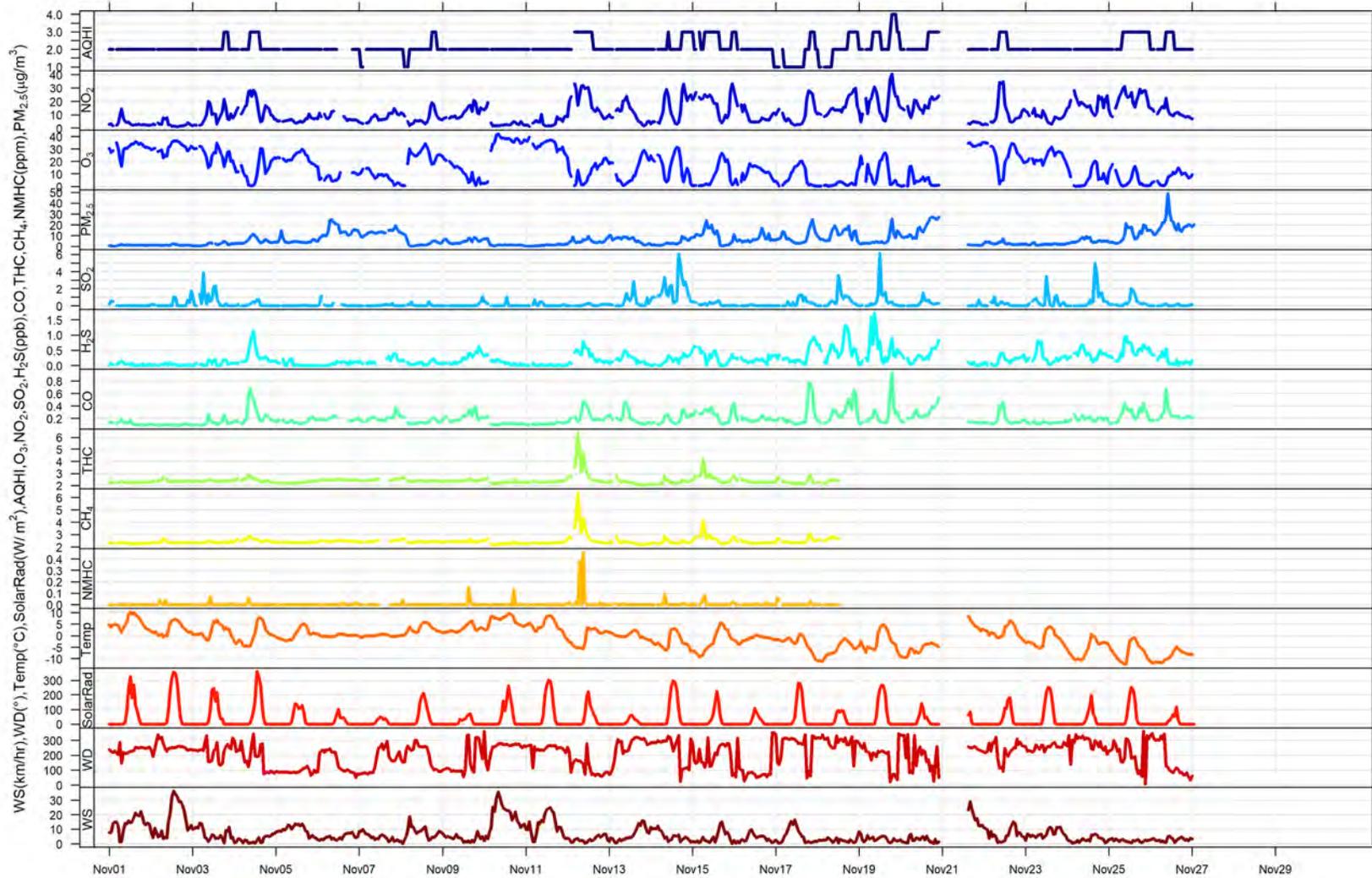


Dunes November 2025 Wind Rose, wind speed in km/hr

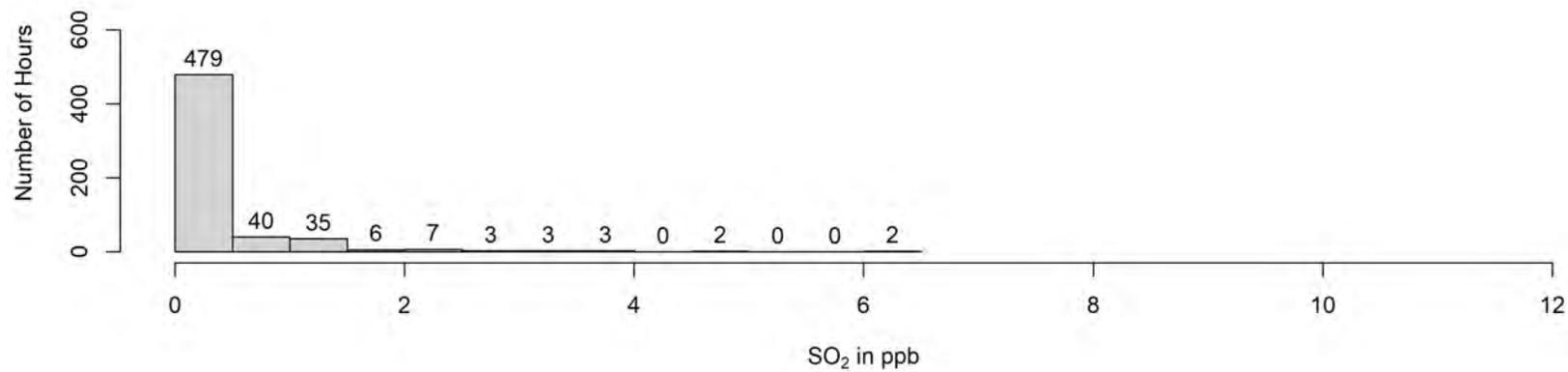
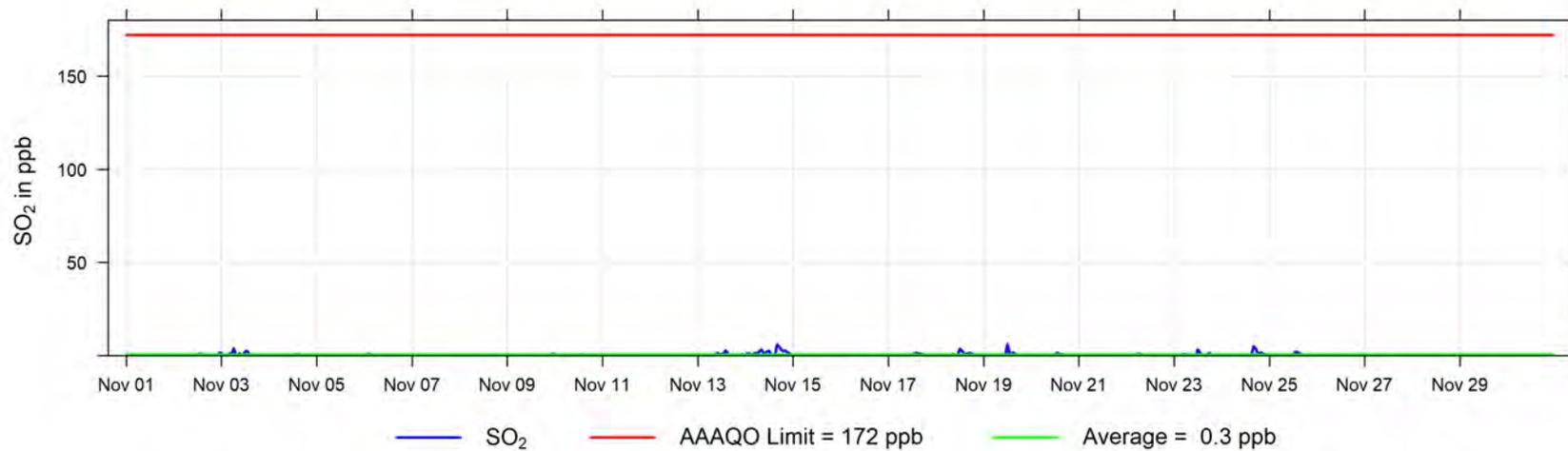
Calms (<1km/hr) = 25.1 %

4 Grande Prairie - Henry Pirker Charts

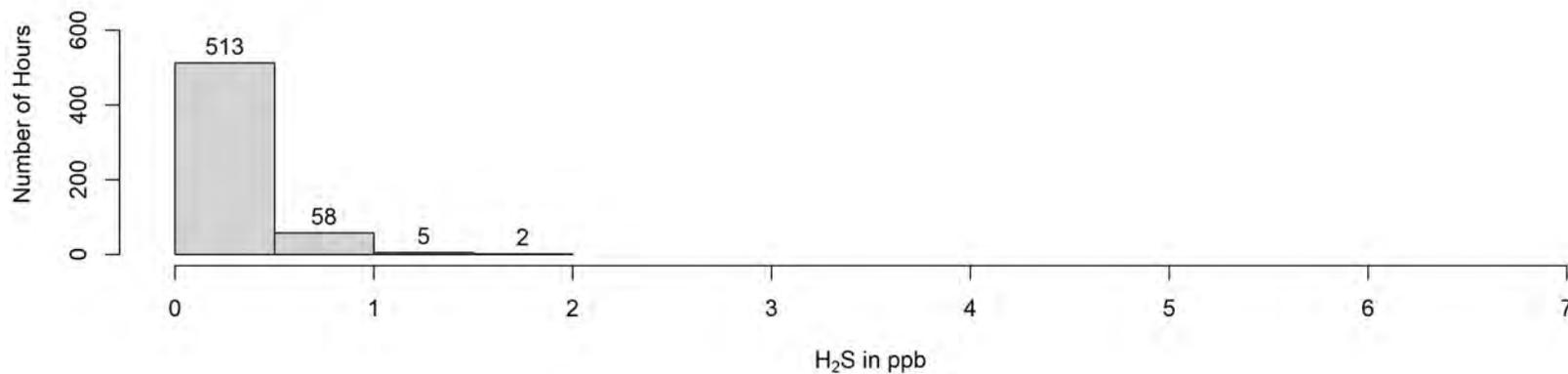
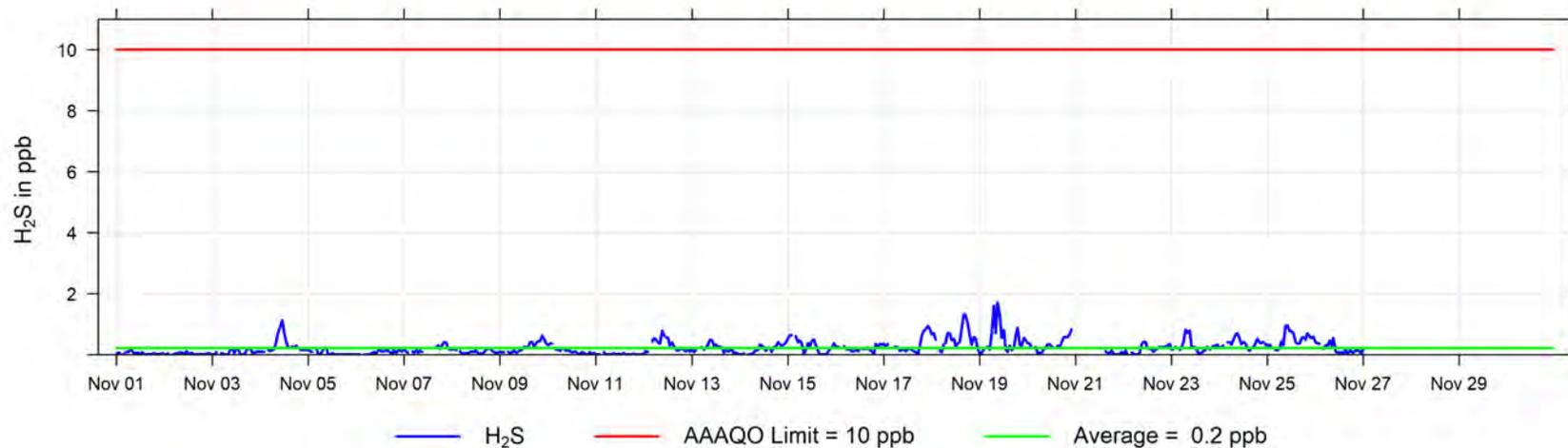
The following pages include the charts and histograms for Henry Pirker Station in Grande Prairie
November 2025 Concentration Readings at Henry Pirker Station



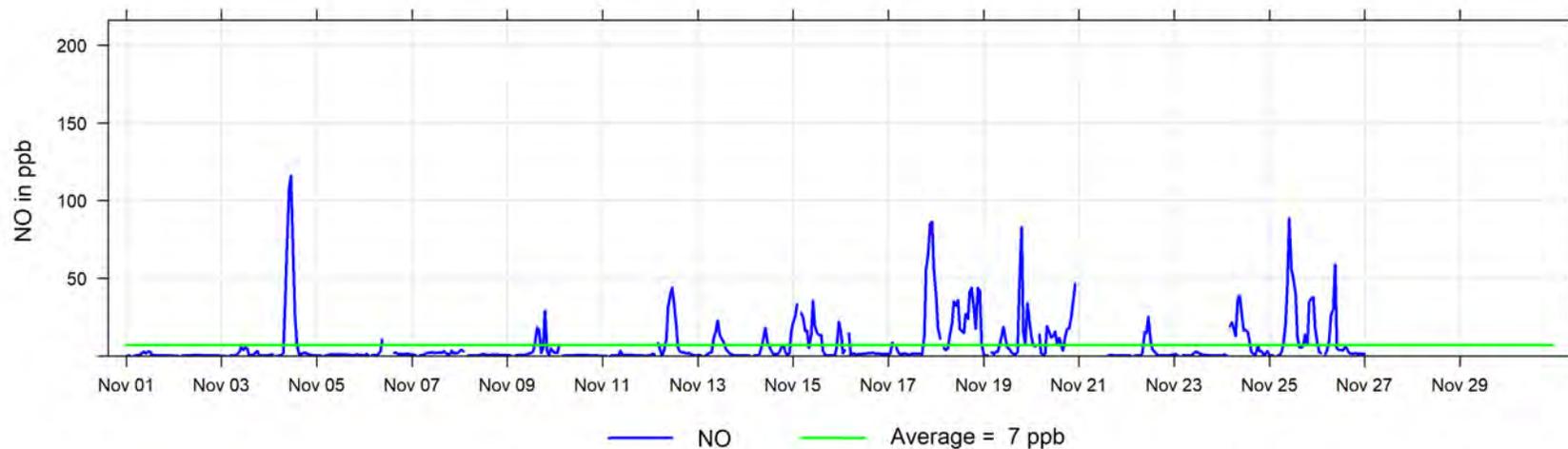
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Henry Pirker



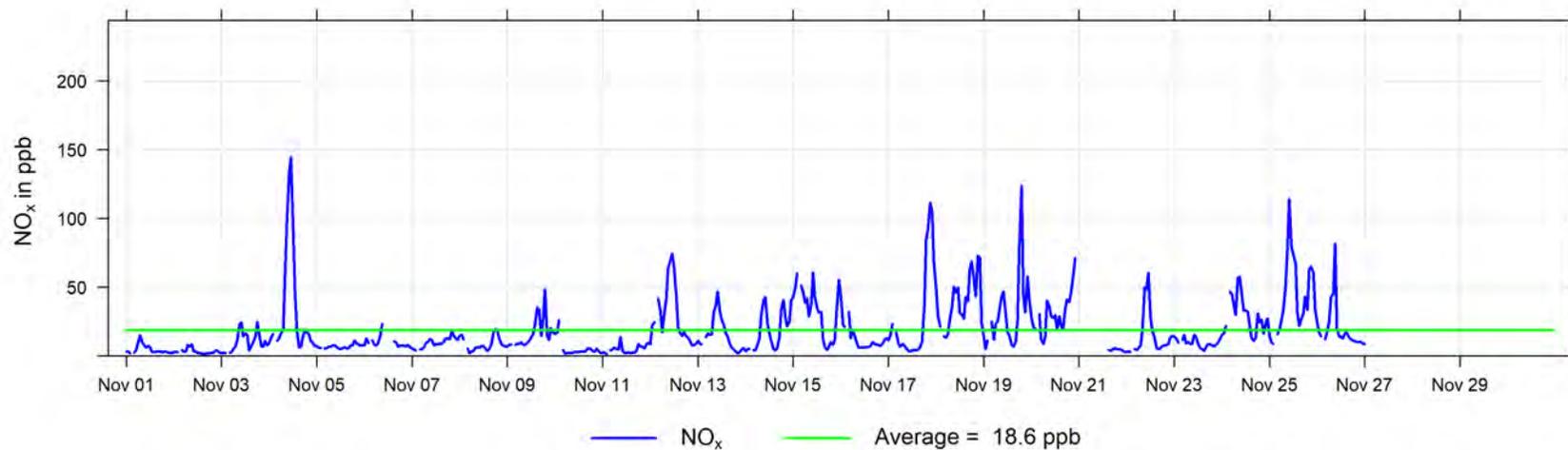
November 2025 Hourly Concentration Readings of H₂S (in ppb) at Henry Pirker



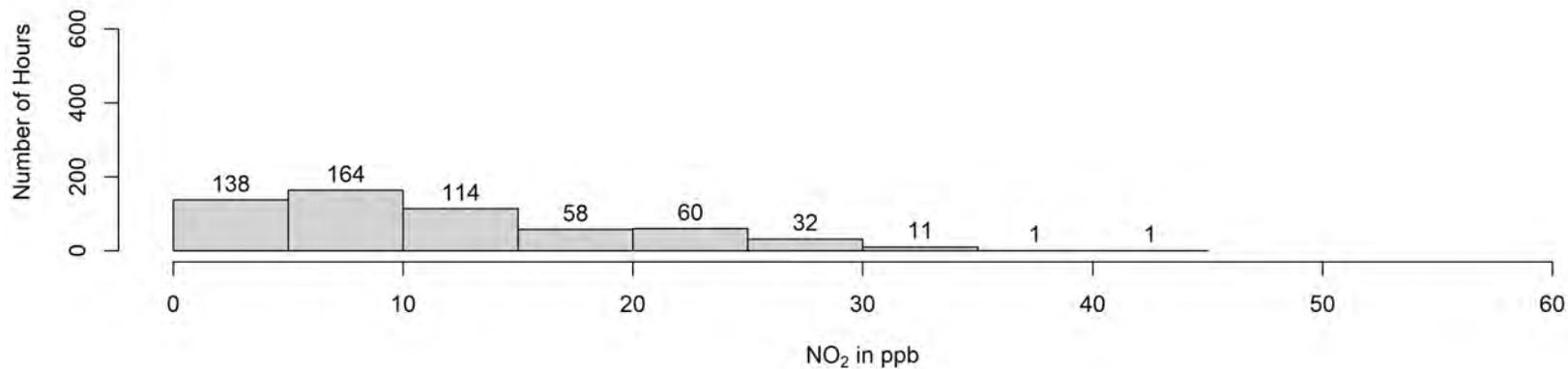
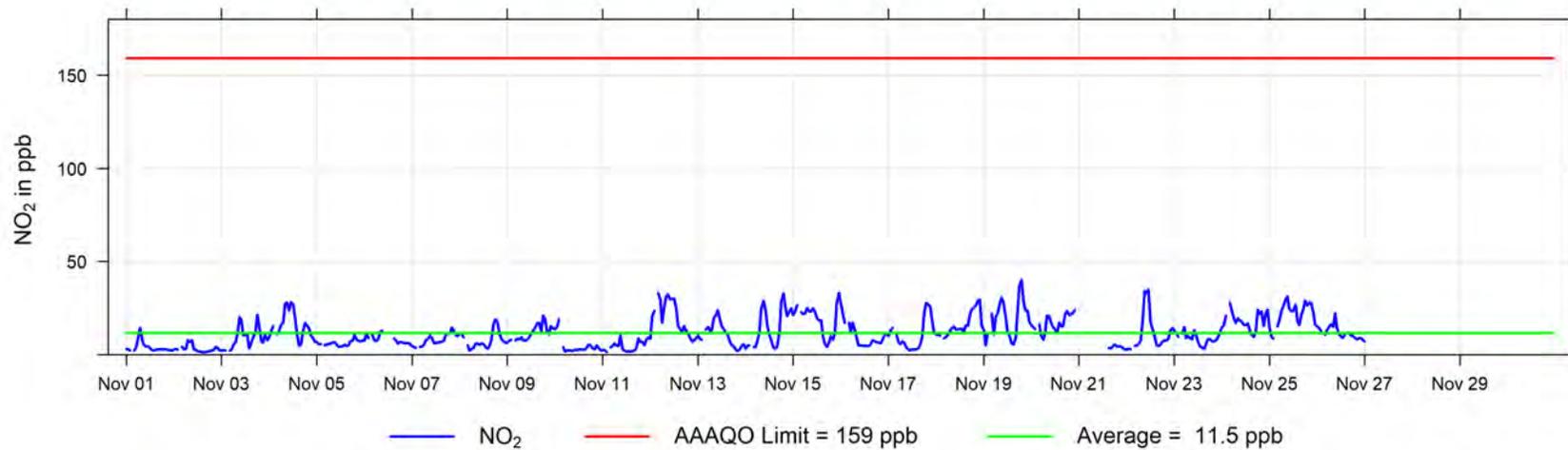
November 2025 Hourly Concentration Readings of NO (in ppb) at Henry Pirker



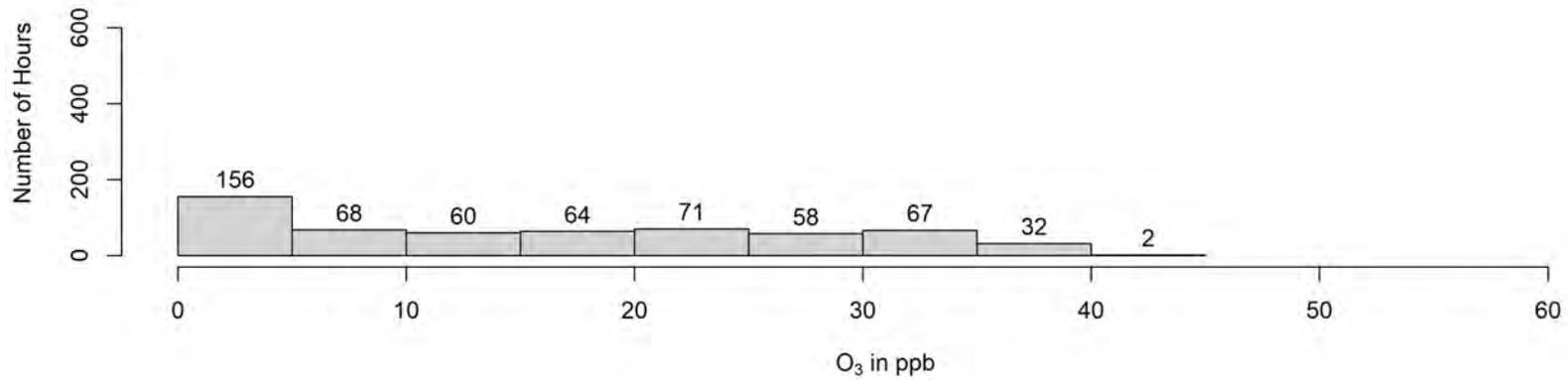
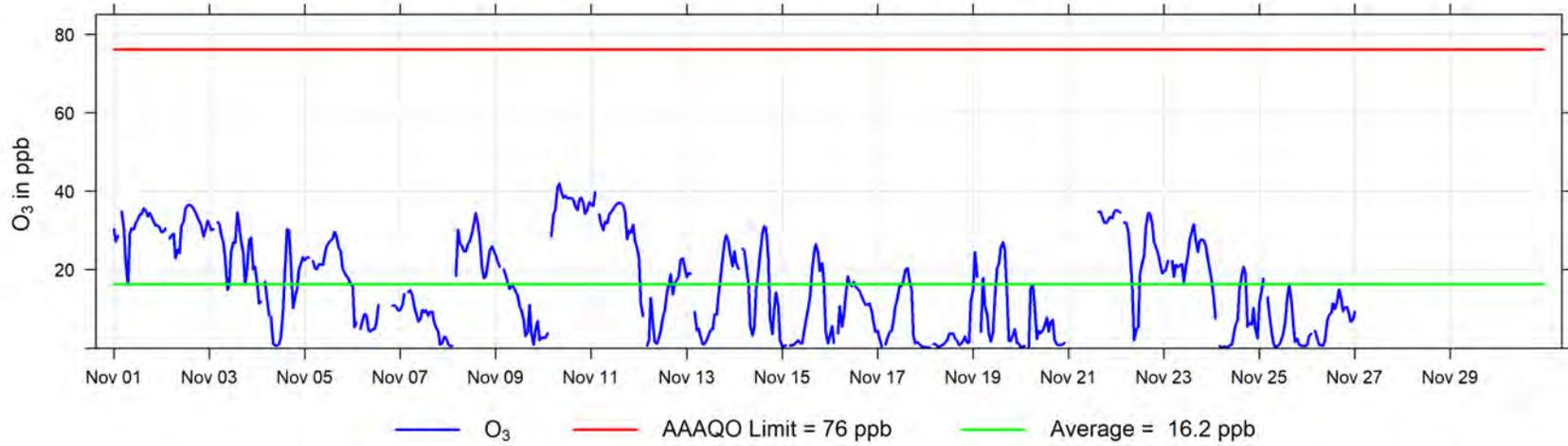
November 2025 Hourly Concentration Readings of NO_x (in ppb) at Henry Pirker



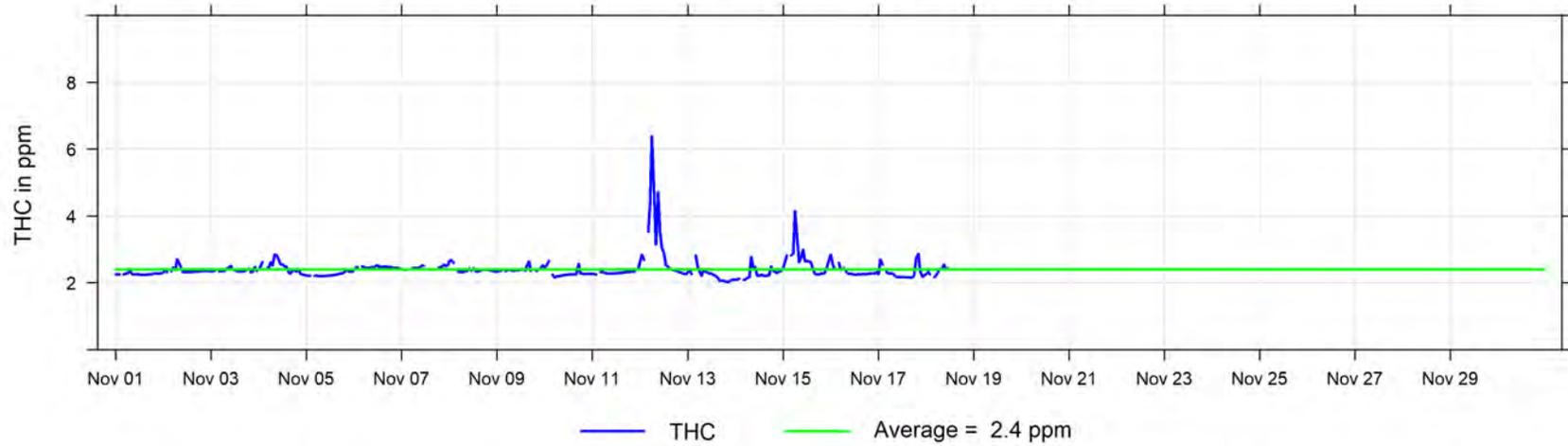
November 2025 Hourly Concentration Readings of NO₂ (in ppb) at Henry Pirker



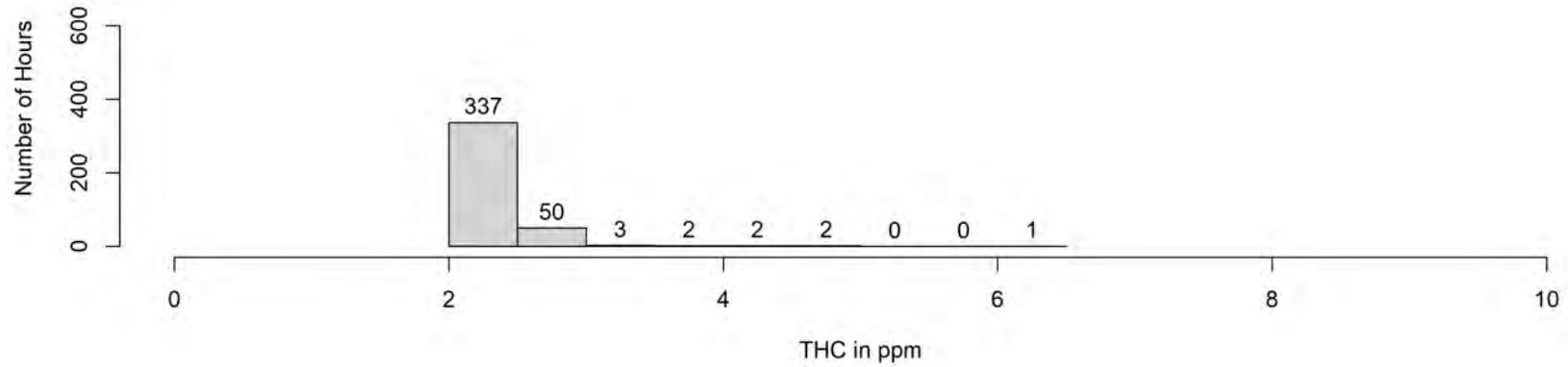
November 2025 Hourly Concentration Readings of O₃ (in ppb) at Henry Pirker



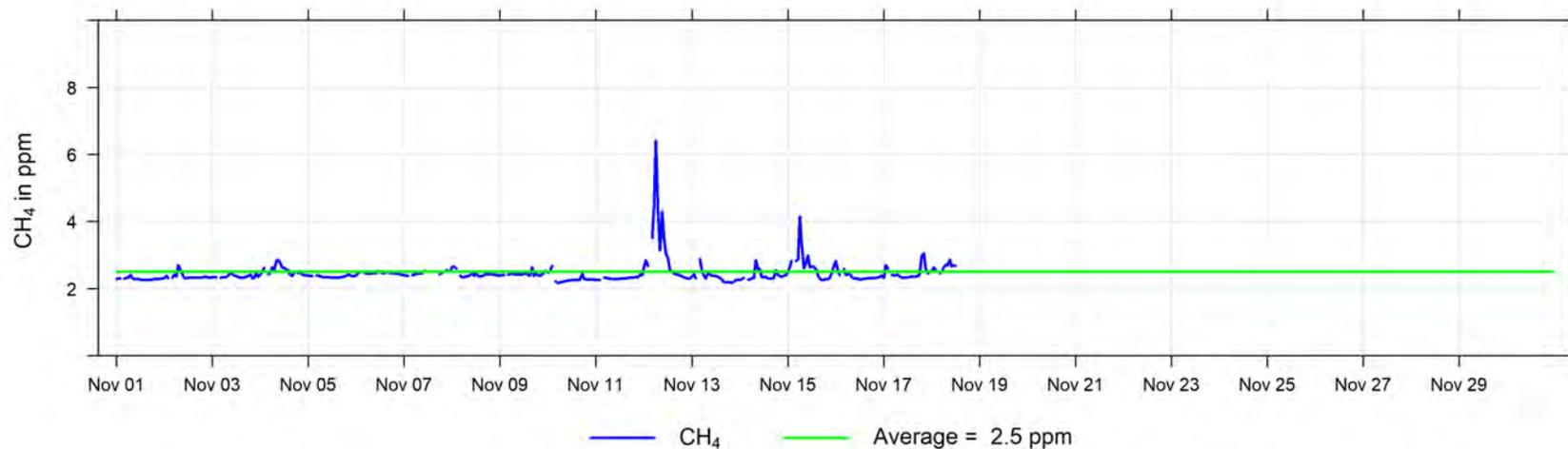
November 2025 Hourly Concentration Readings of THC (in ppm) at Henry Pirker



Average shown for reference only, monthly average is not valid

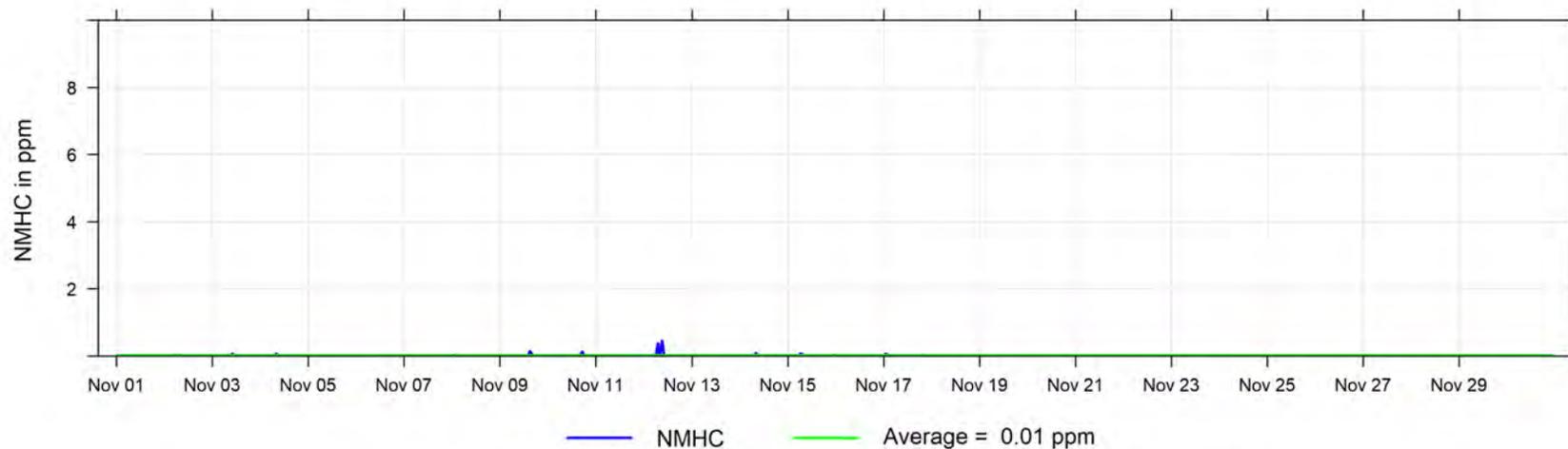


November 2025 Hourly Concentration Readings of CH₄ (in ppm) at Henry Pirker



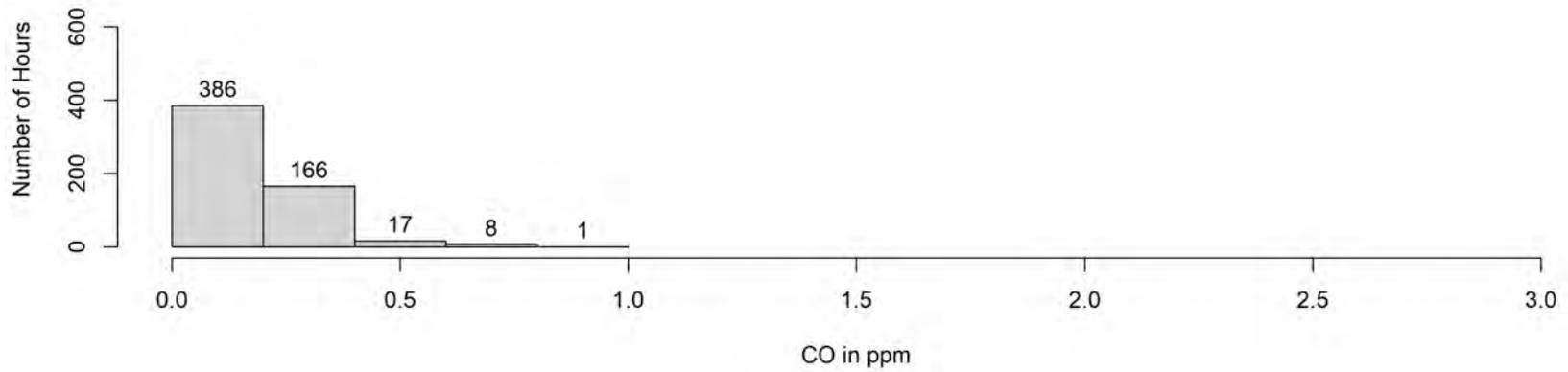
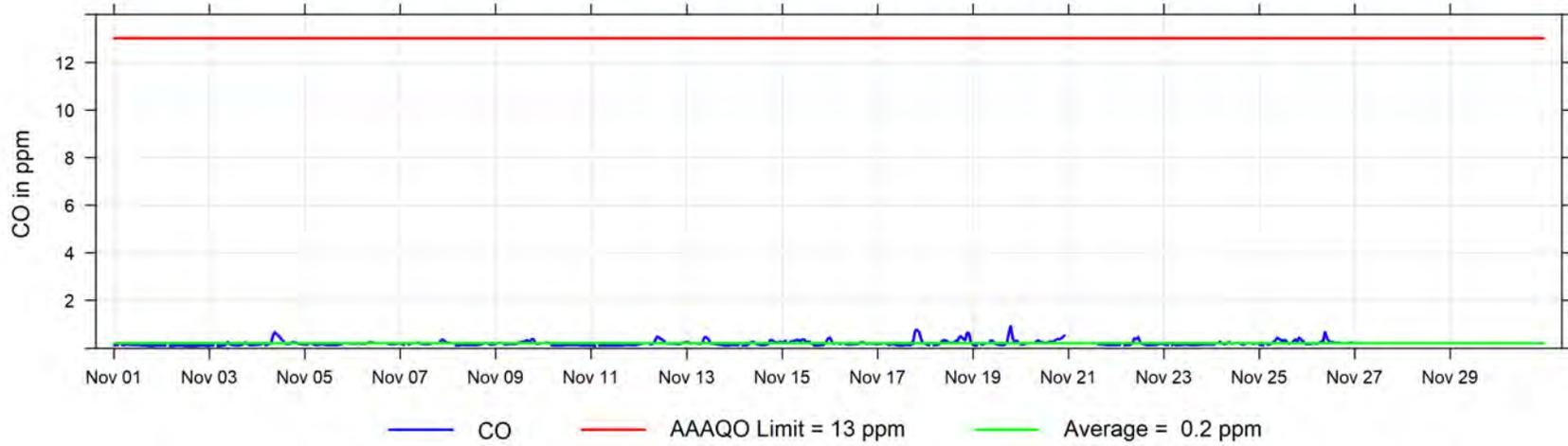
Average shown for reference only, monthly average is not valid

November 2025 Hourly Concentration Readings of NMHC (in ppm) at Henry Pirker

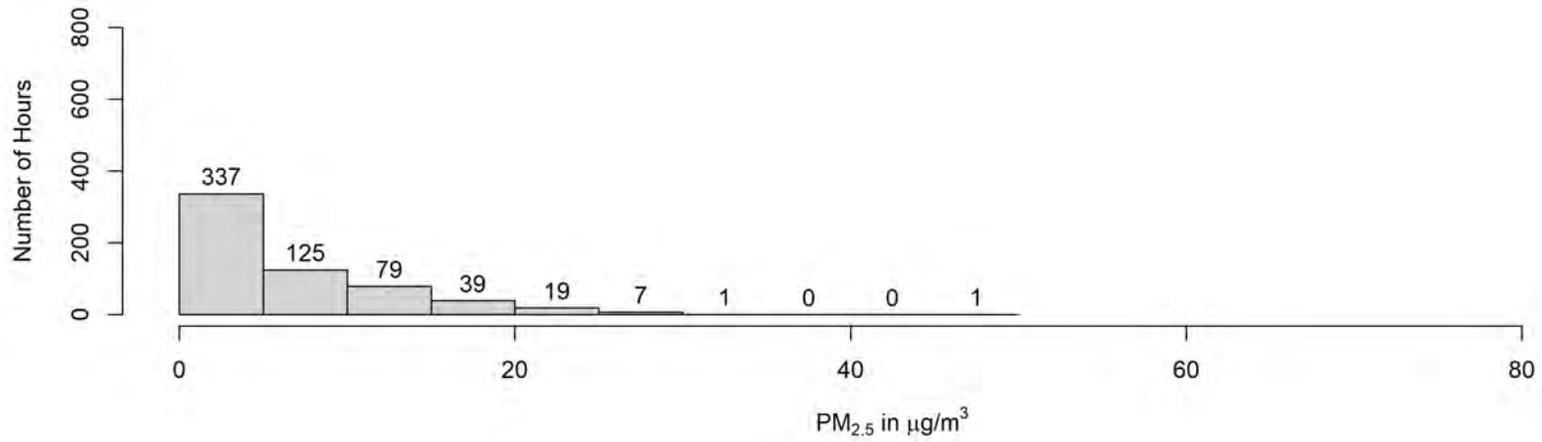
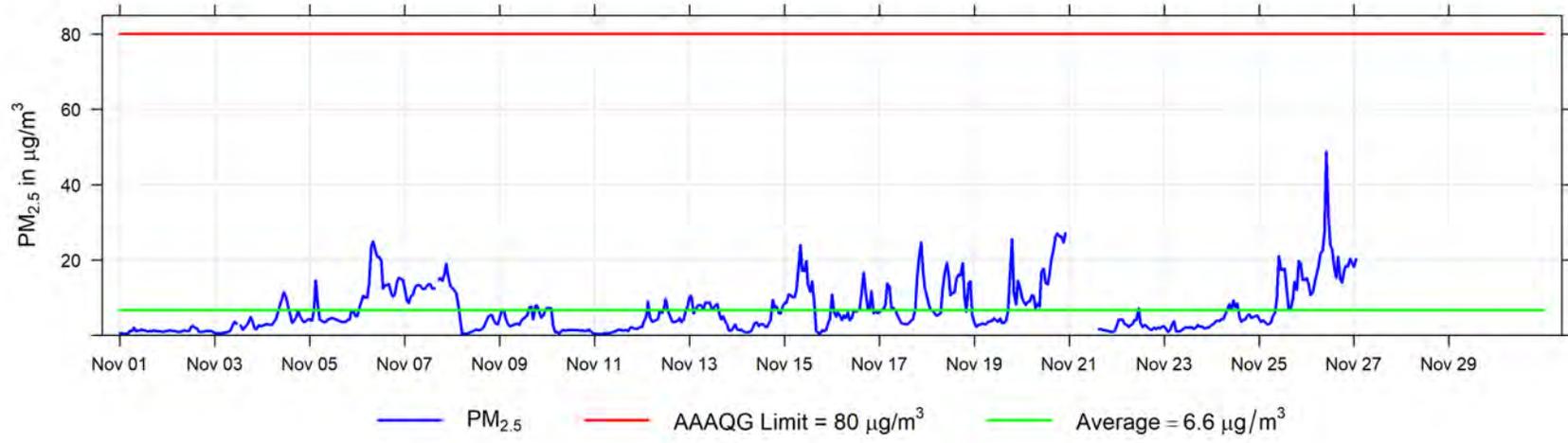


Average shown for reference only, monthly average is not valid

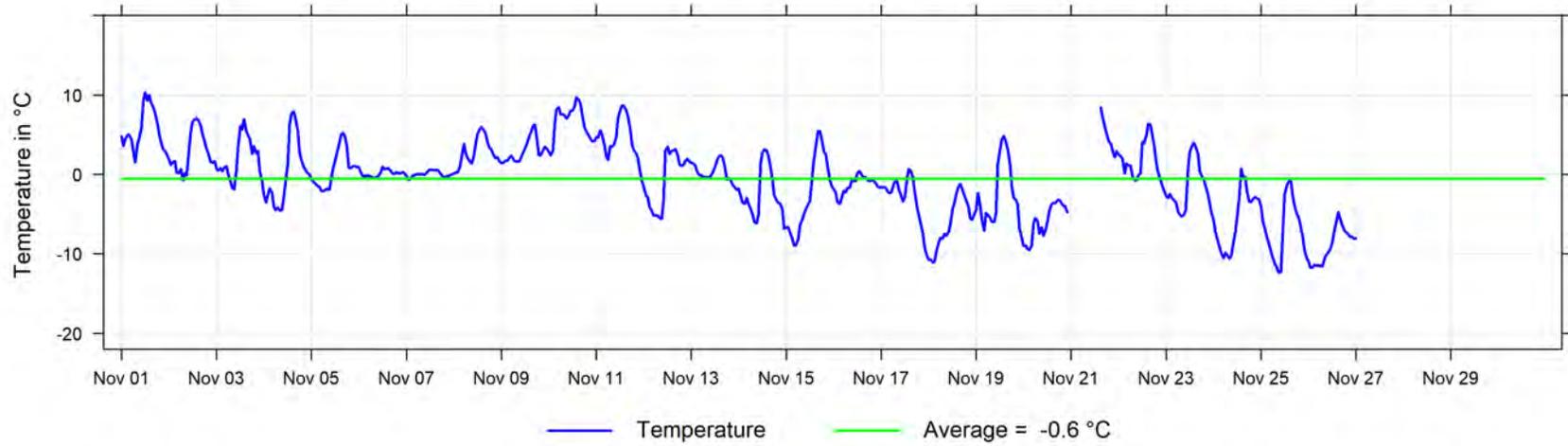
November 2025 Hourly Concentration Readings of CO (in ppm) at Henry Pirker



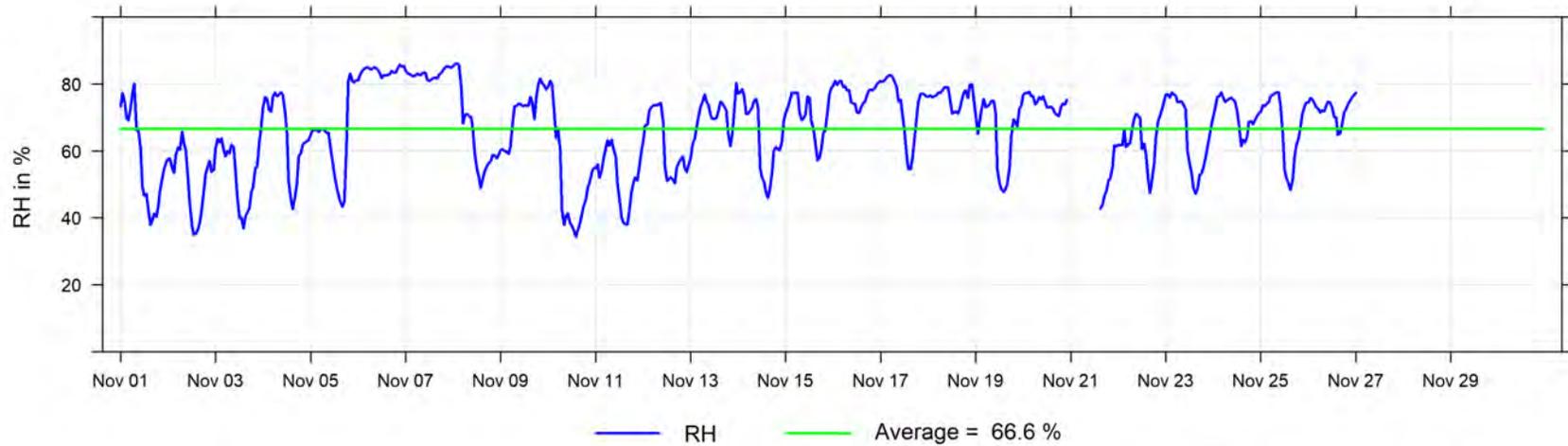
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Henry Pirker



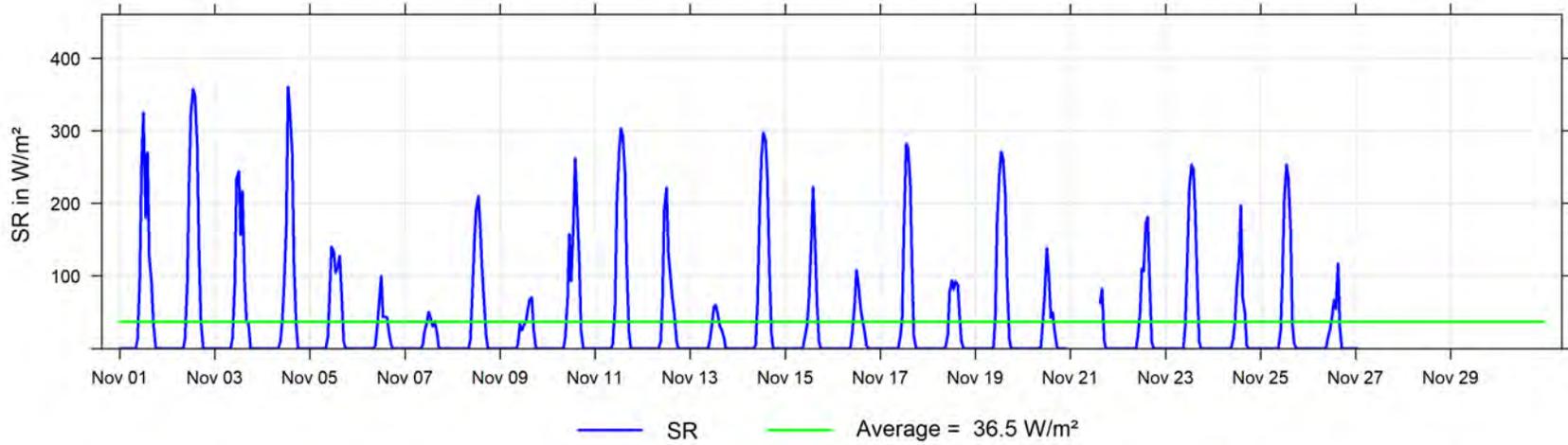
November 2025 Hourly Temperature Readings (in °C) at Henry Pirker



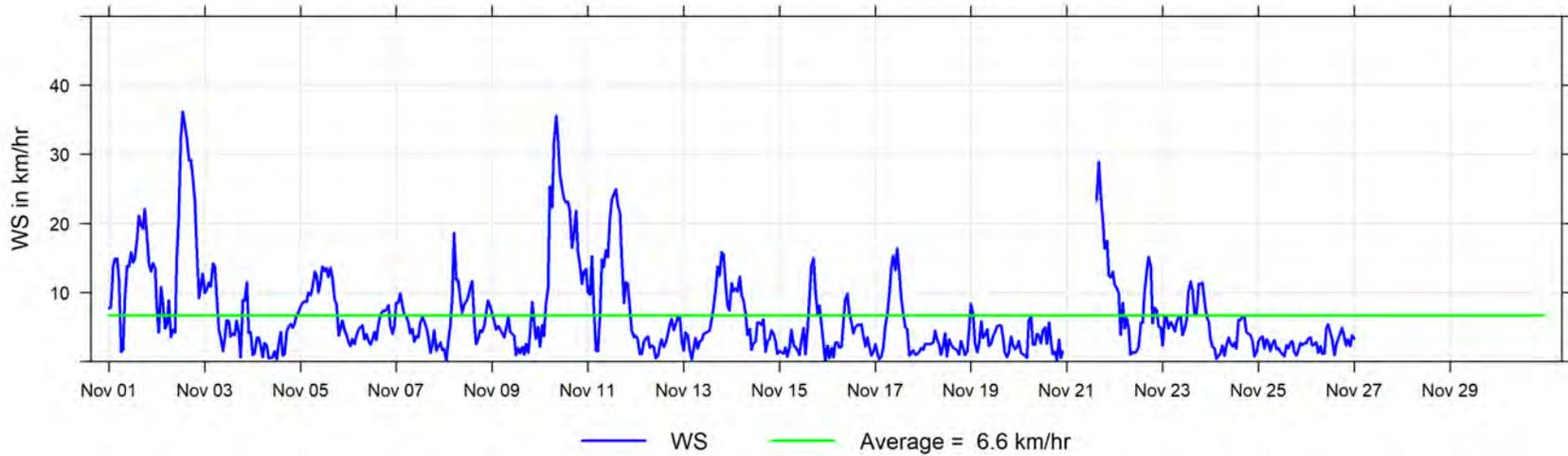
November 2025 Hourly Readings of Relative Humidity (in %) at Henry Pirker



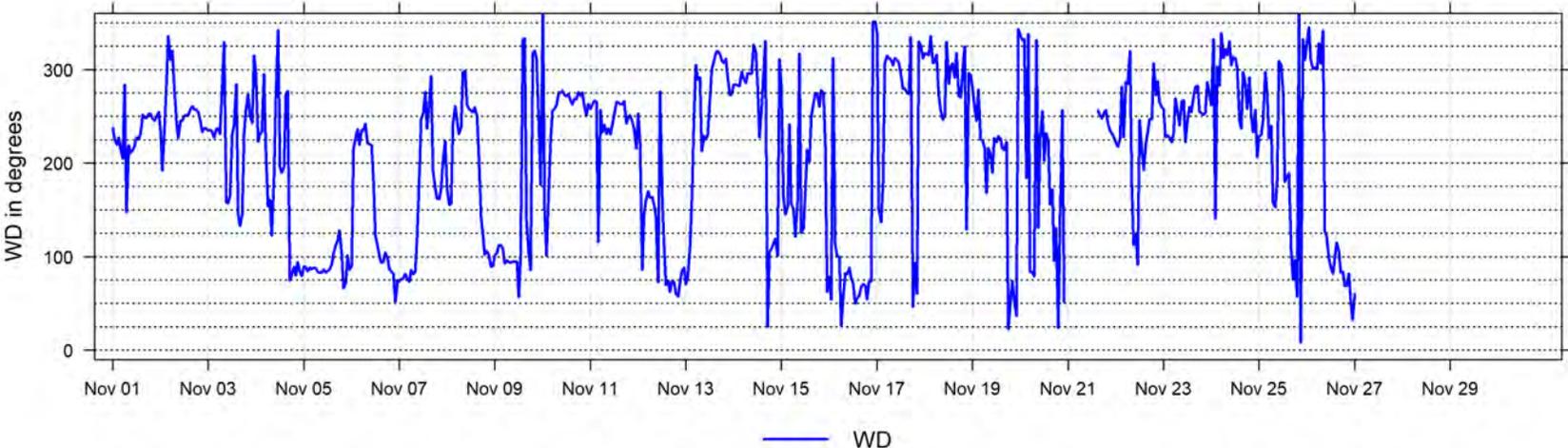
November 2025 Hourly Readings of Solar Radiation (in W/m²) at Henry Pirker



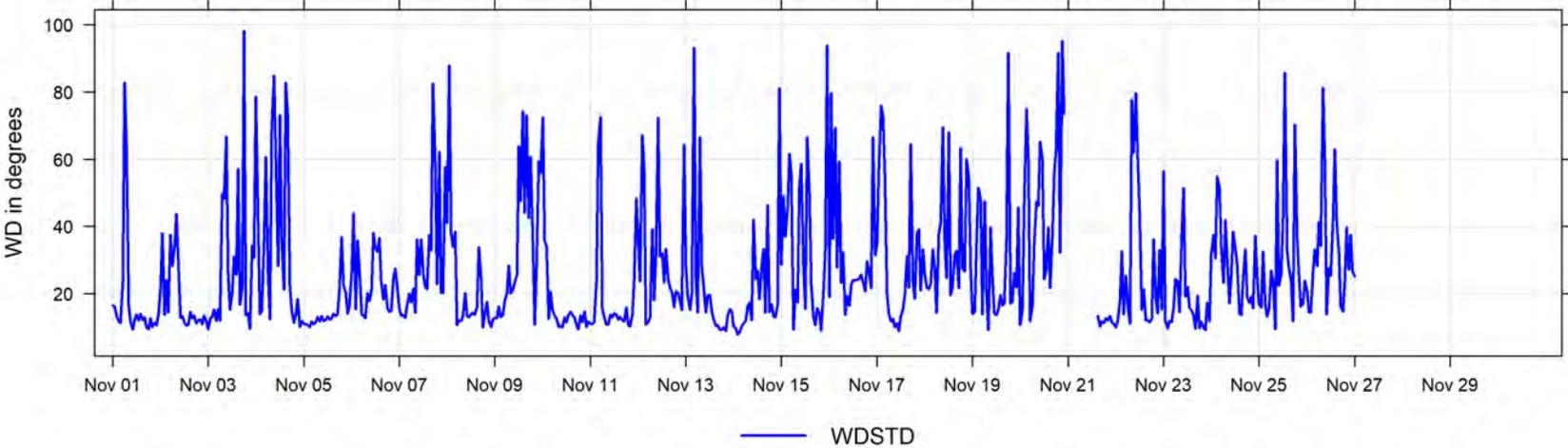
November 2025 Hourly Readings of Wind Speed (in km/hr) at Henry Pirker



November 2025 Hourly Readings of Wind Direction (in degrees) at Henry Pirker



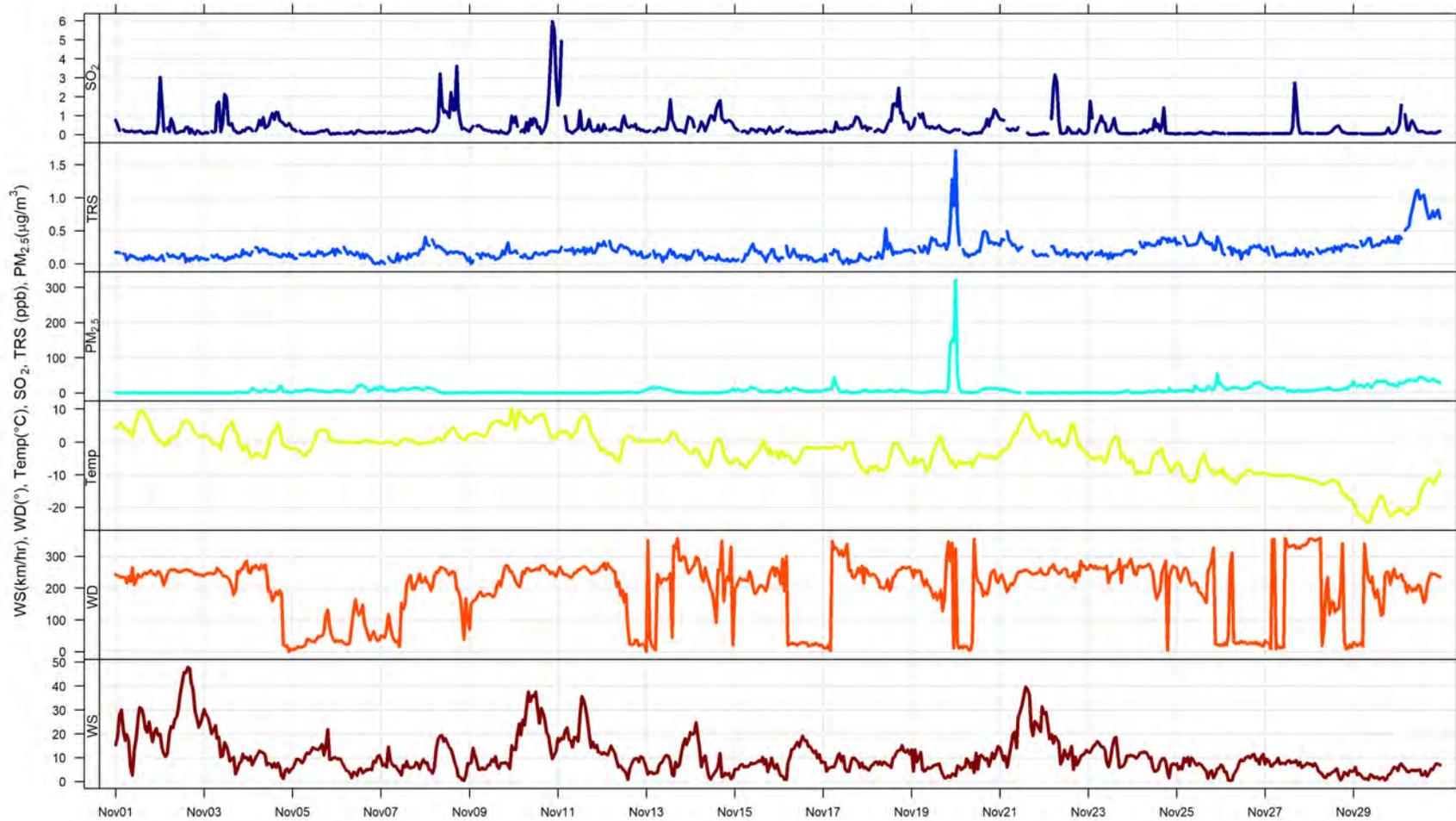
November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Henry Pirker



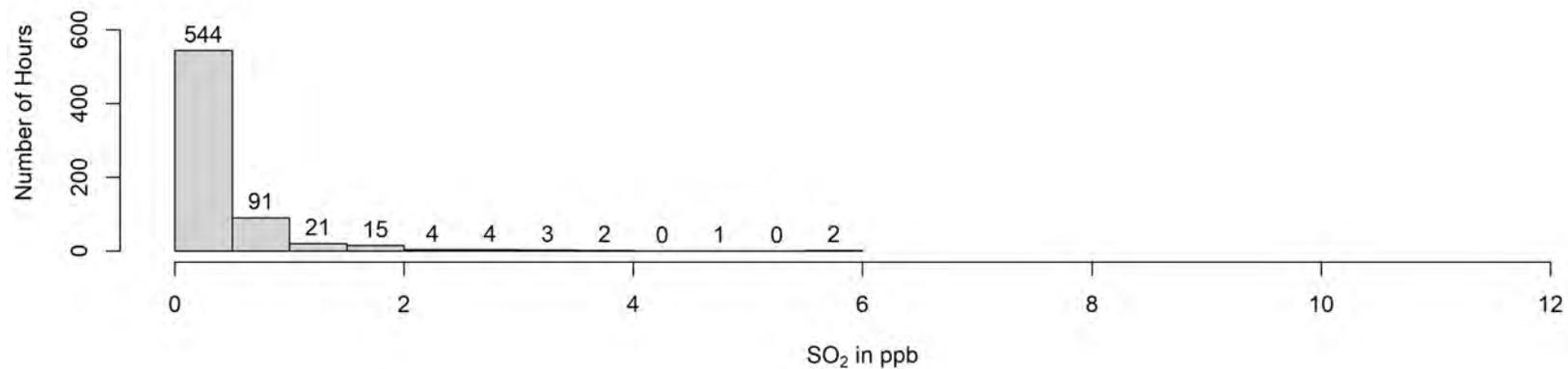
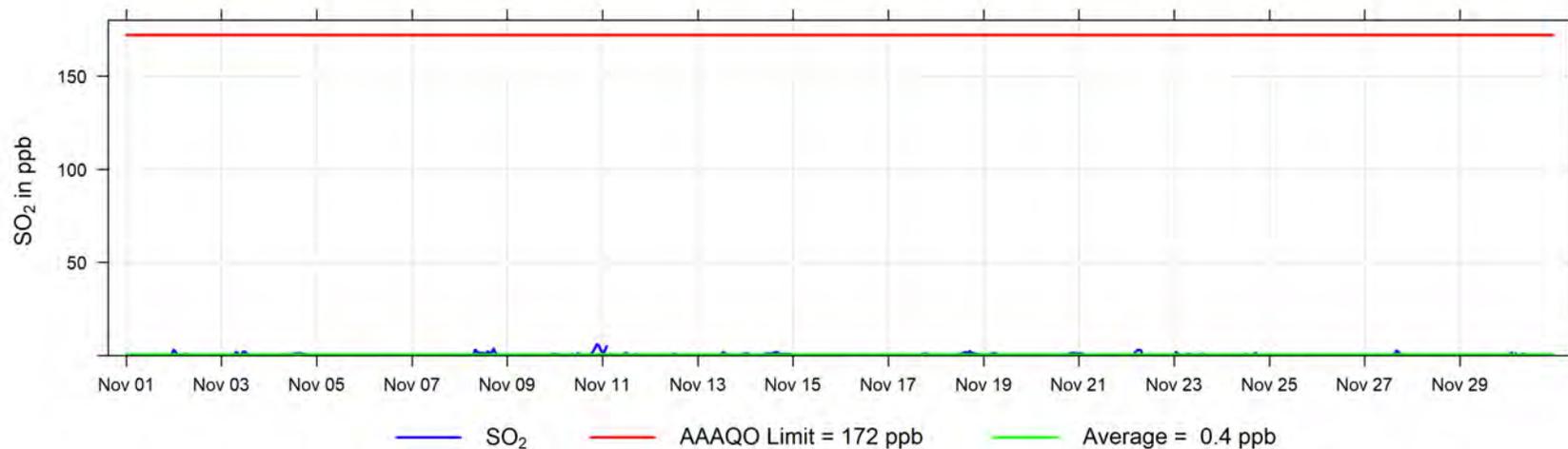
5 Smoky Heights Charts

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

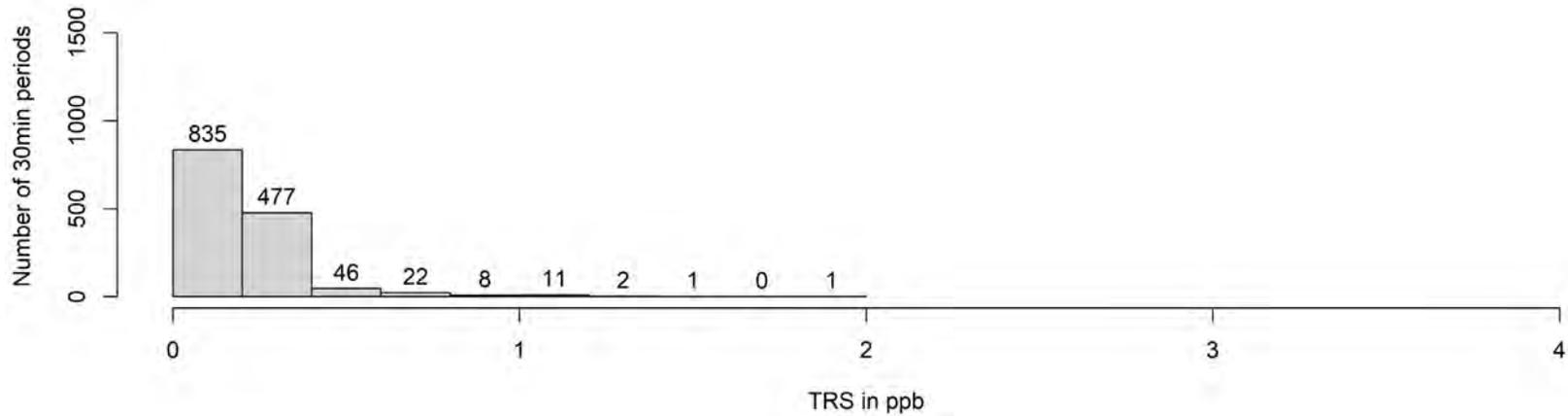
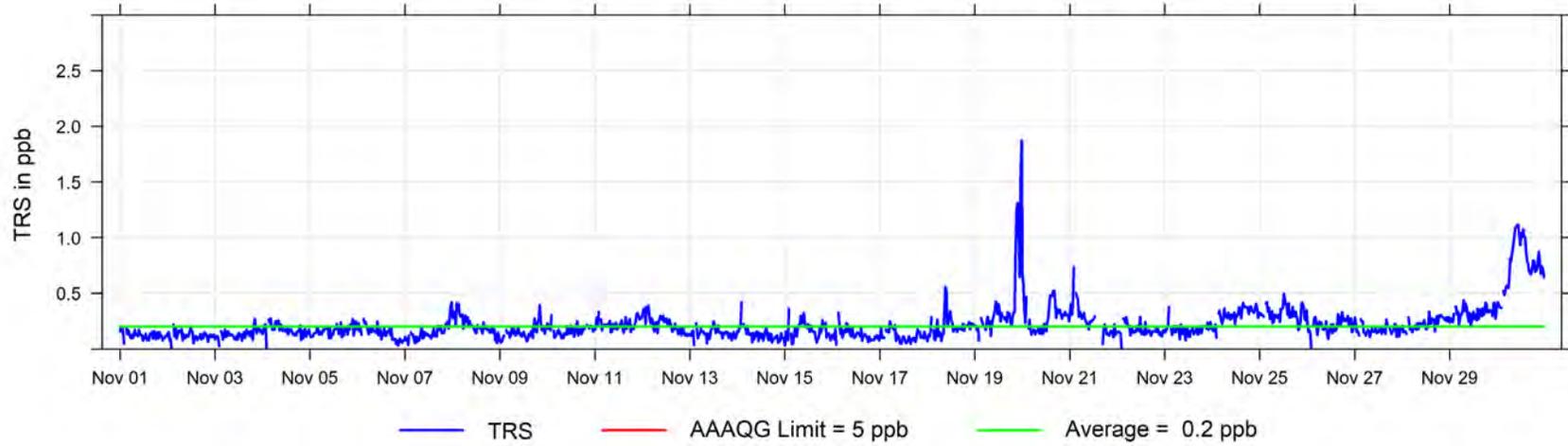
November 2025 Concentration Readings at Smoky Heights Station



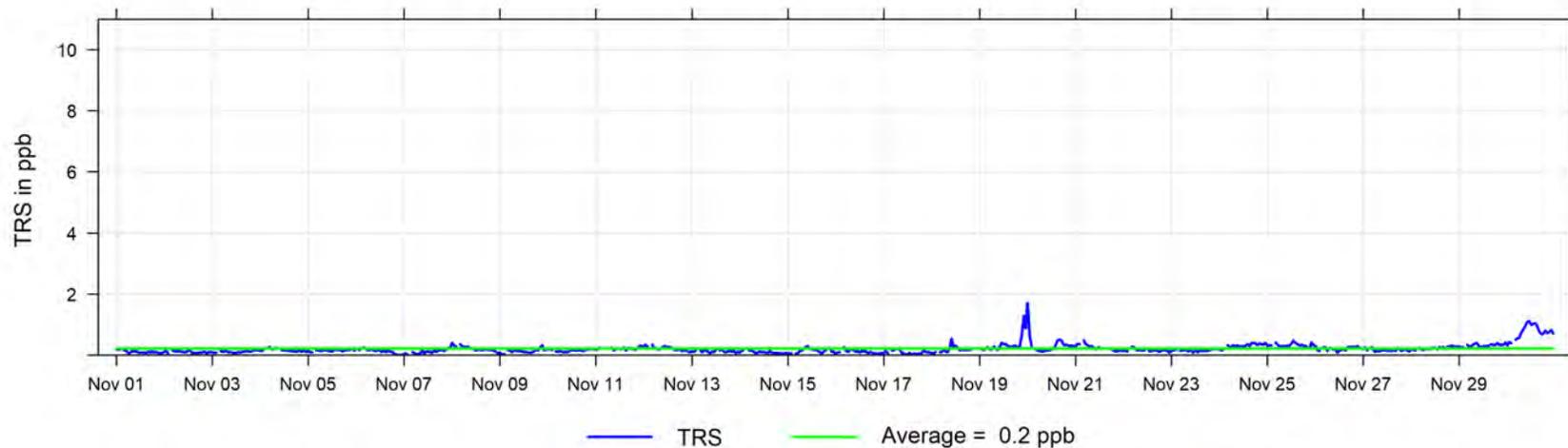
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Smoky Heights



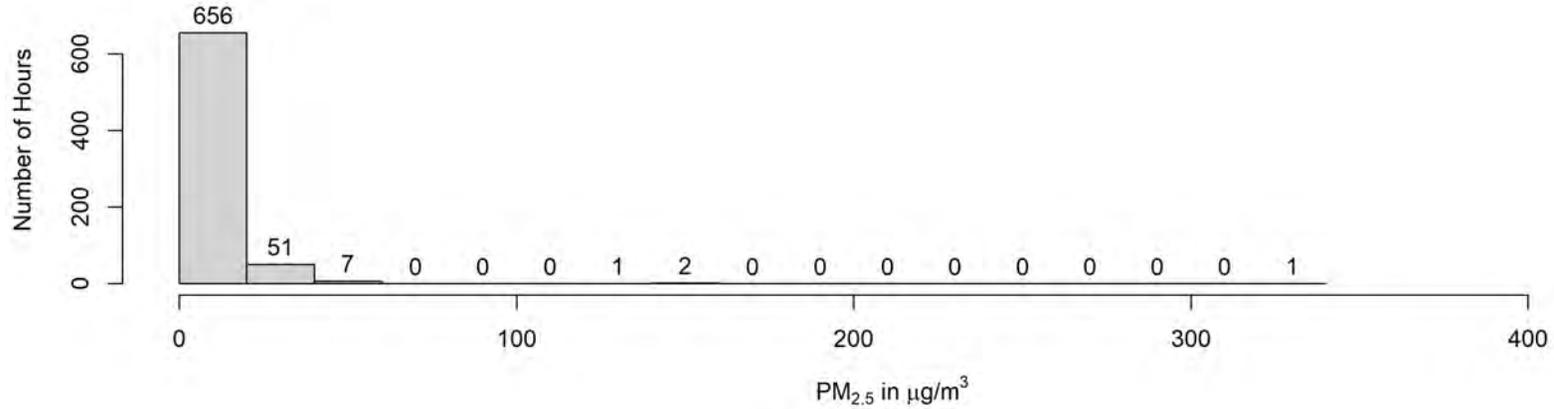
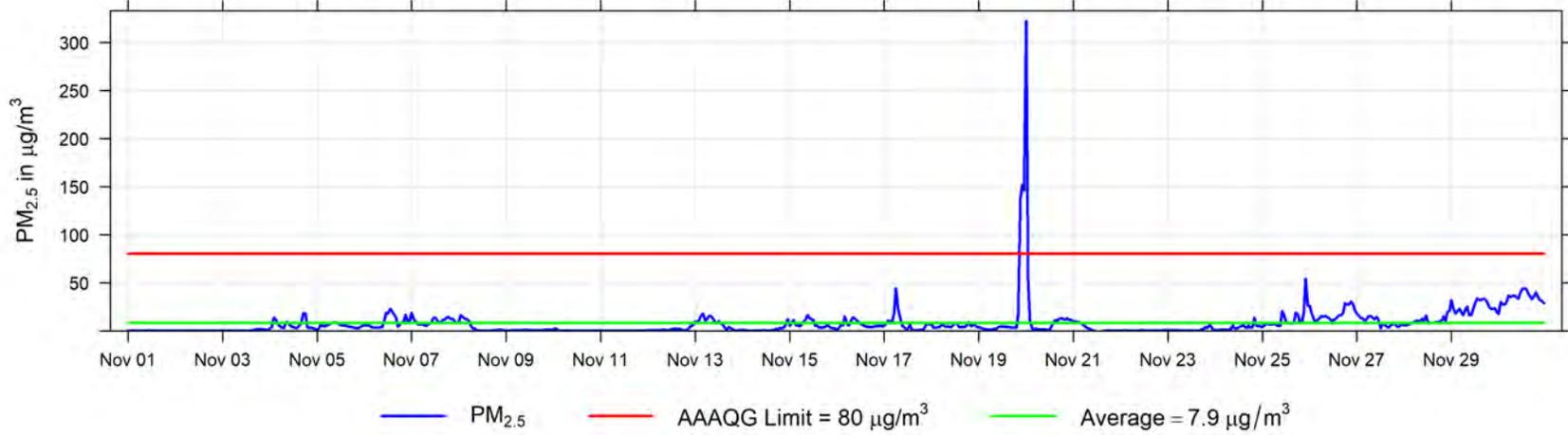
November 2025 30 min Concentration Readings of TRS (in ppb) at Smoky Heights



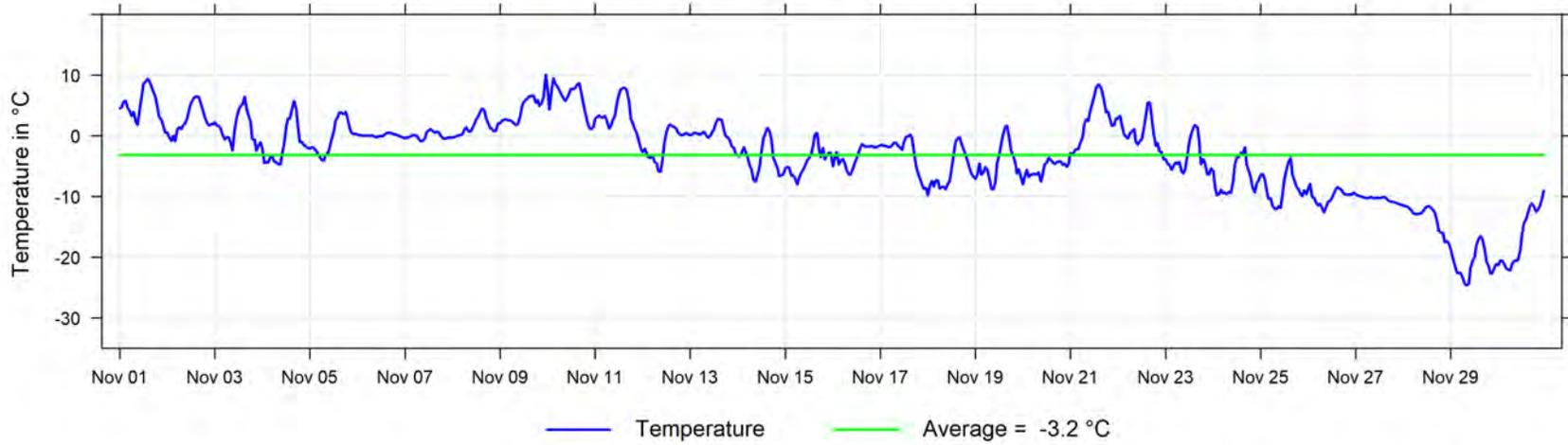
November 2025 Hourly Concentration Readings of TRS (in ppb) at Smoky Heights



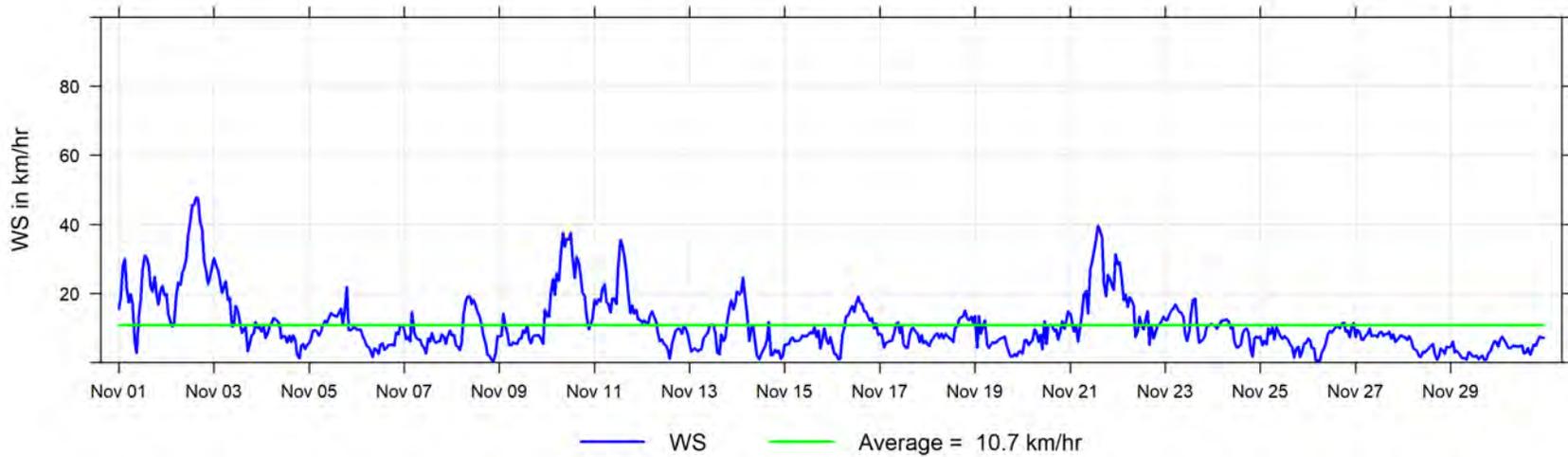
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Smoky Heights



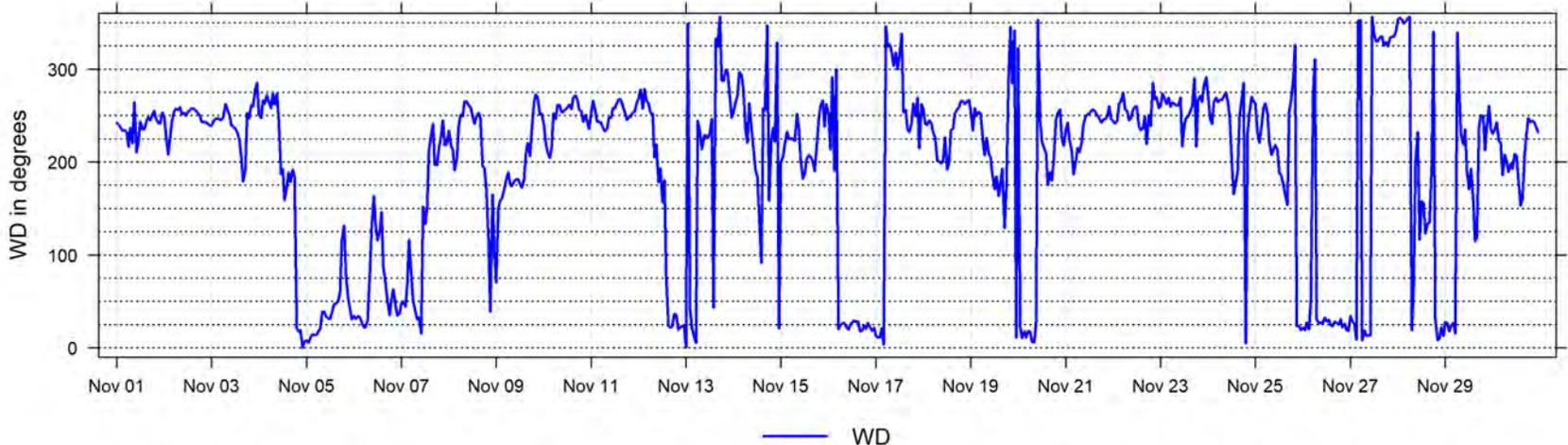
November 2025 Hourly Temperature Readings (in °C) at Smoky Heights



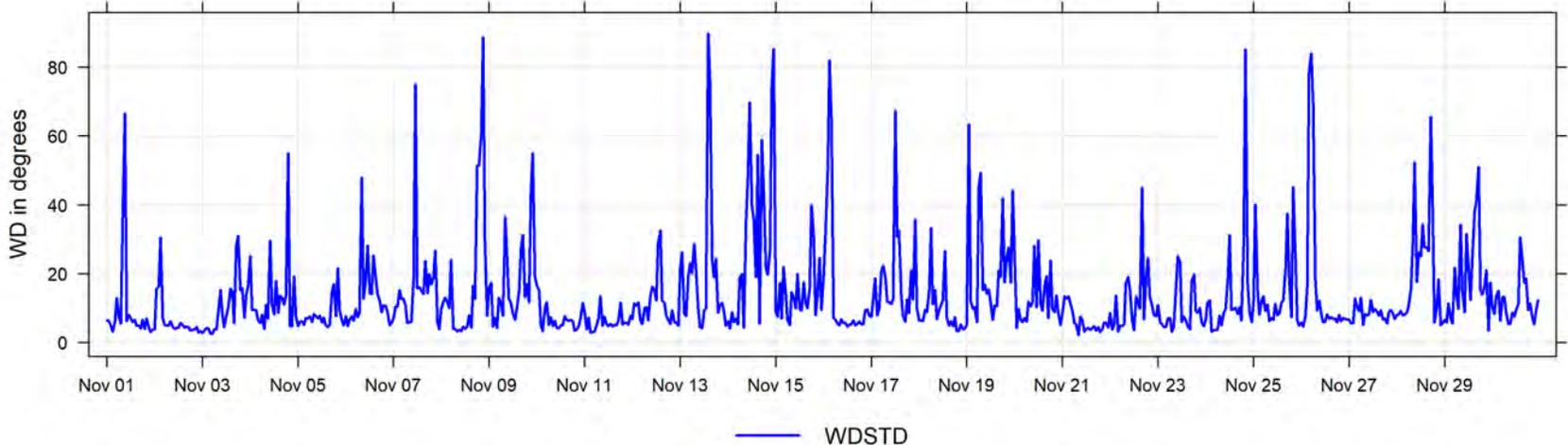
November 2025 Hourly Readings of Wind Speed (in km/hr) at Smoky Heights

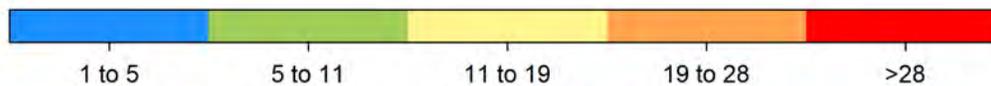
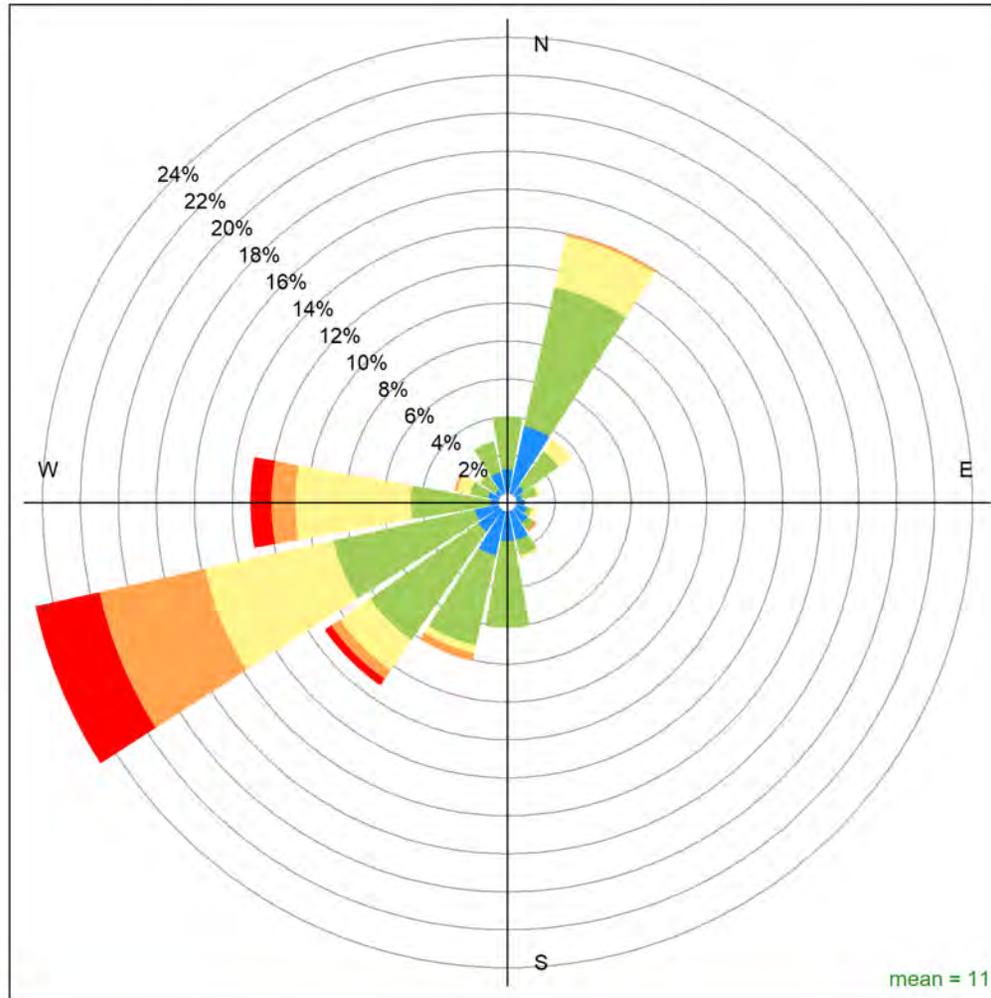


November 2025 Hourly Readings of Wind Direction (in degrees) at Smoky Heights



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Smoky Heights





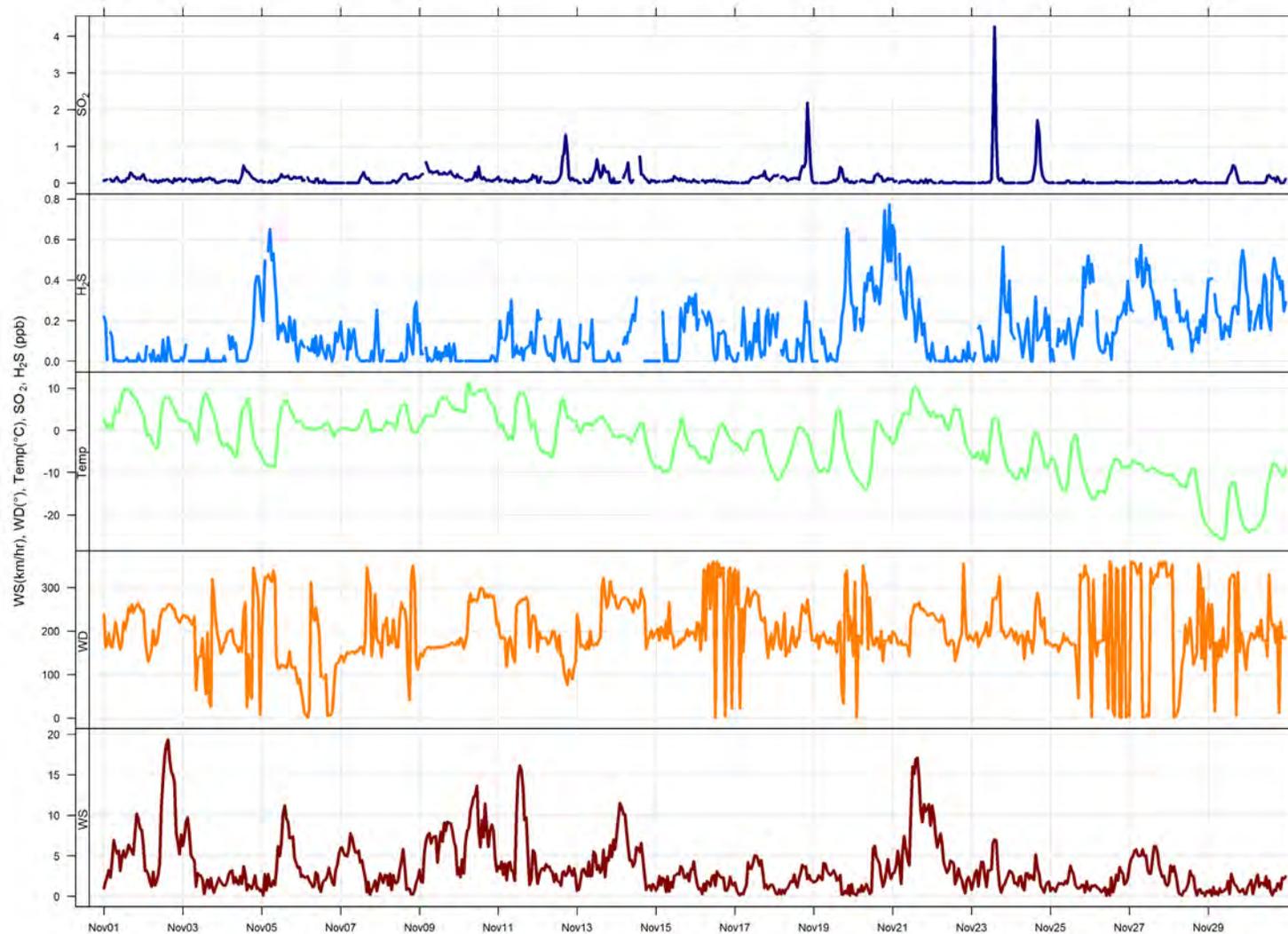
Smoky Heights November 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 1.8 %

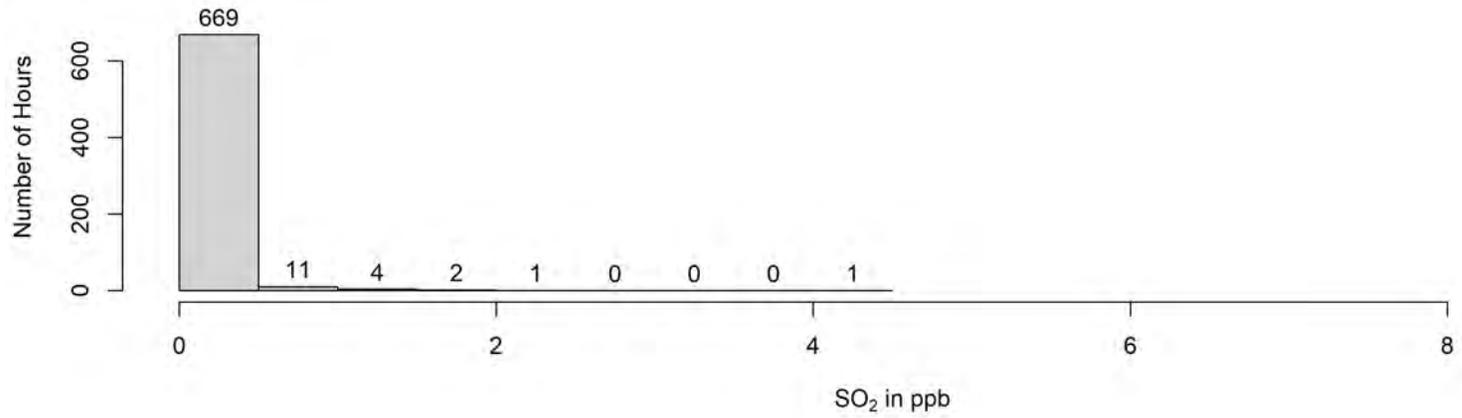
6 Valleyview Charts

The following pages include the charts and histograms for Valleyview Station

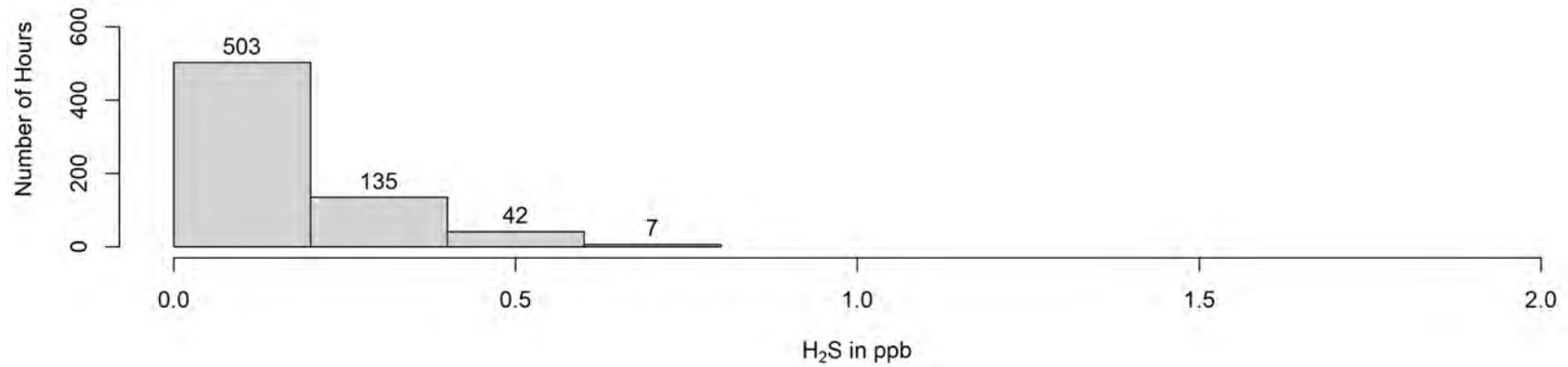
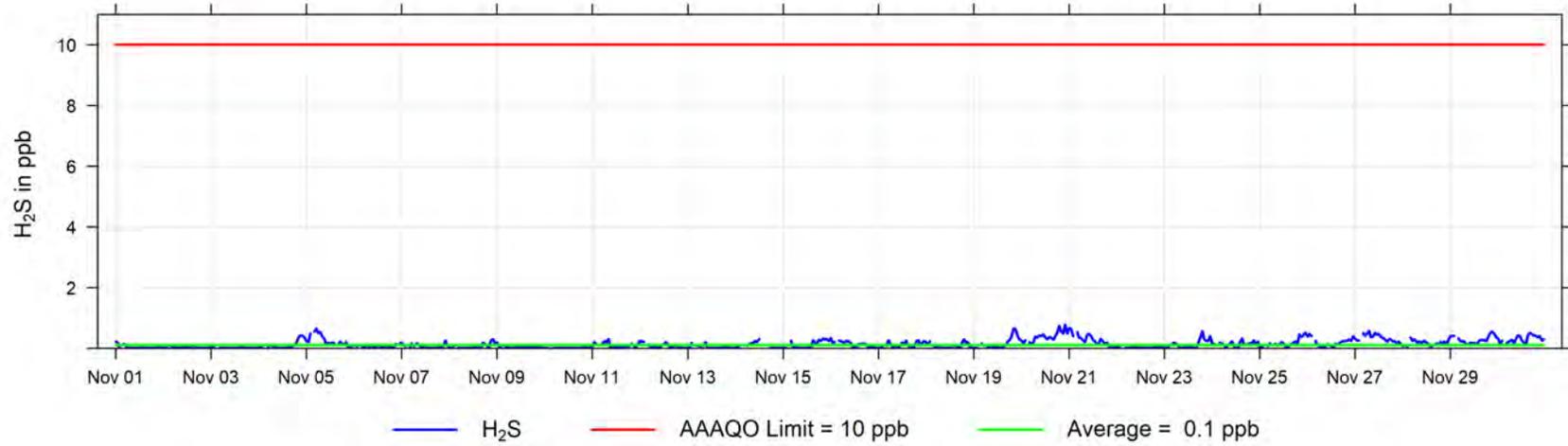
November 2025 Concentration Readings at Valleyview Station



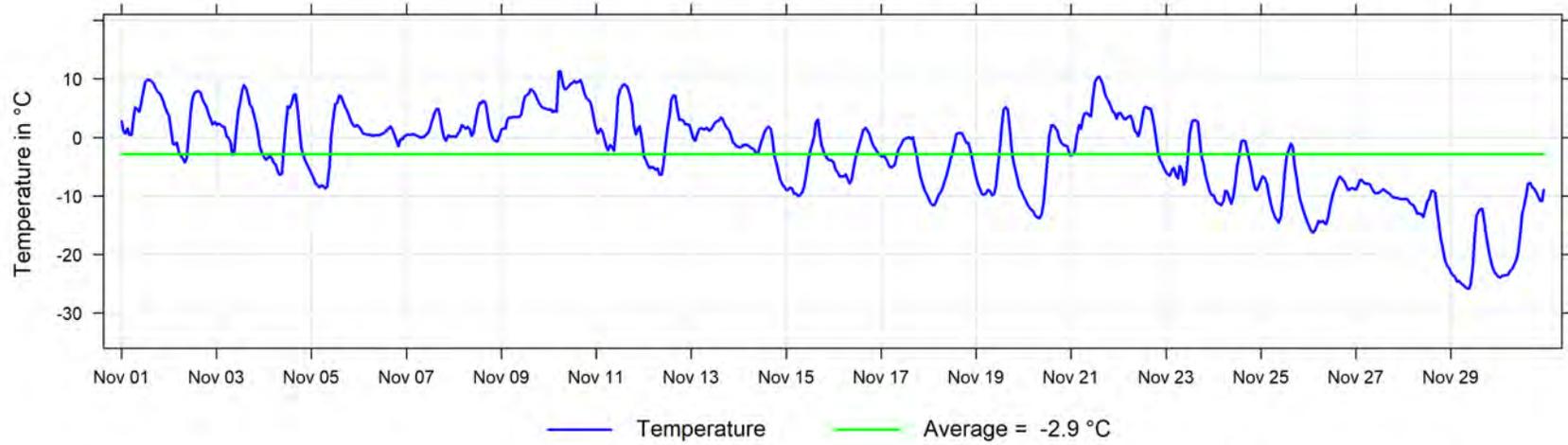
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Valleyview



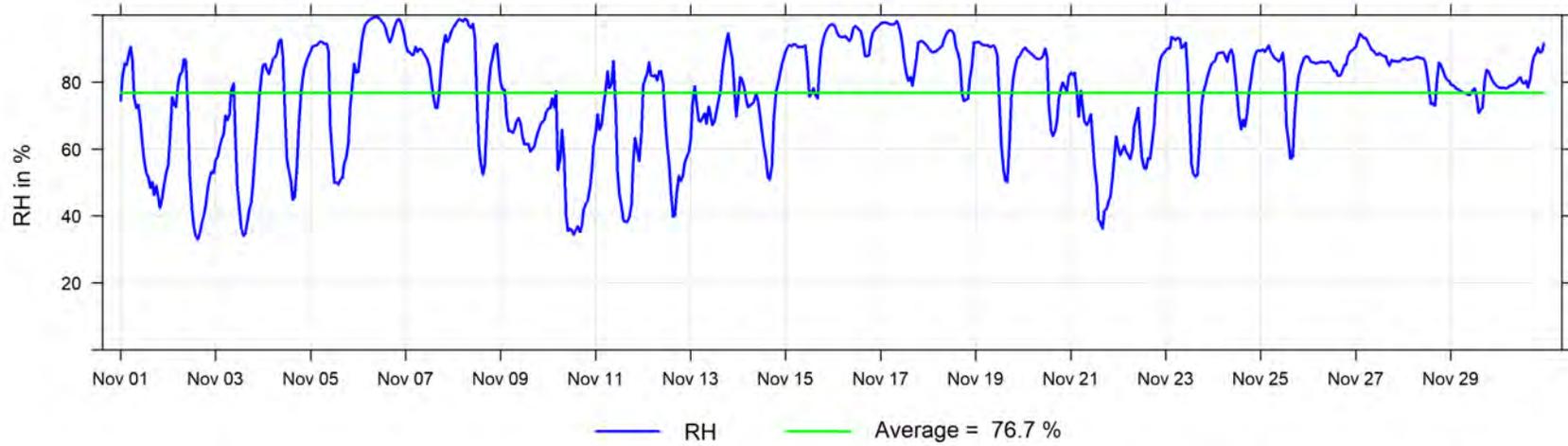
November 2025 Hourly Concentration Readings of H₂S (in ppb) at Valleyview



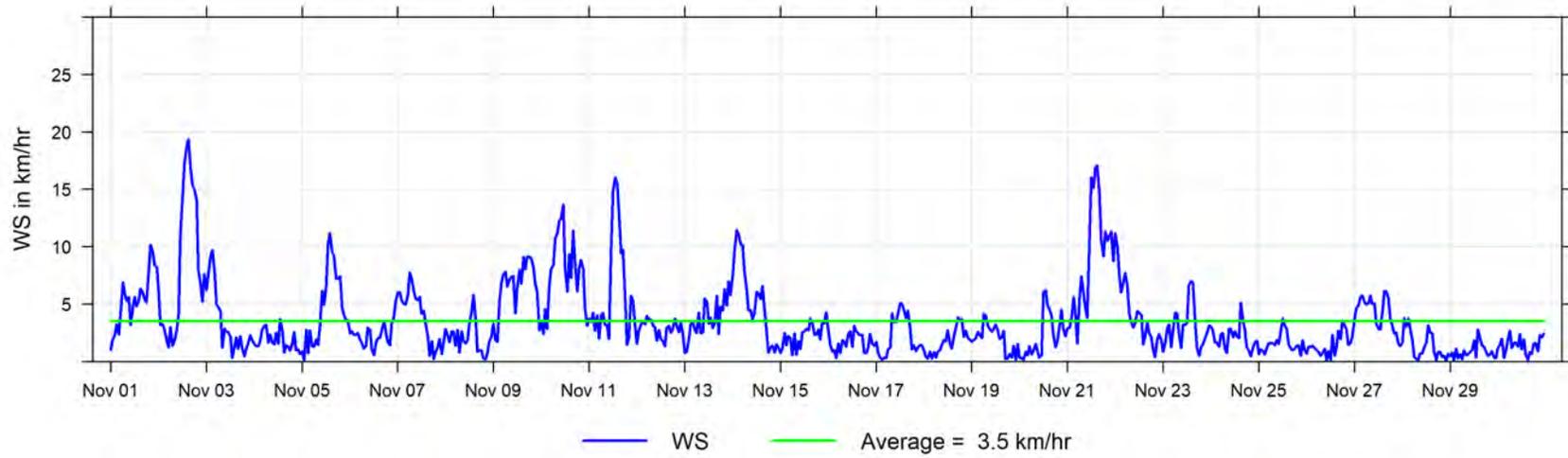
November 2025 Hourly Temperature Readings (in °C) at Valleyview



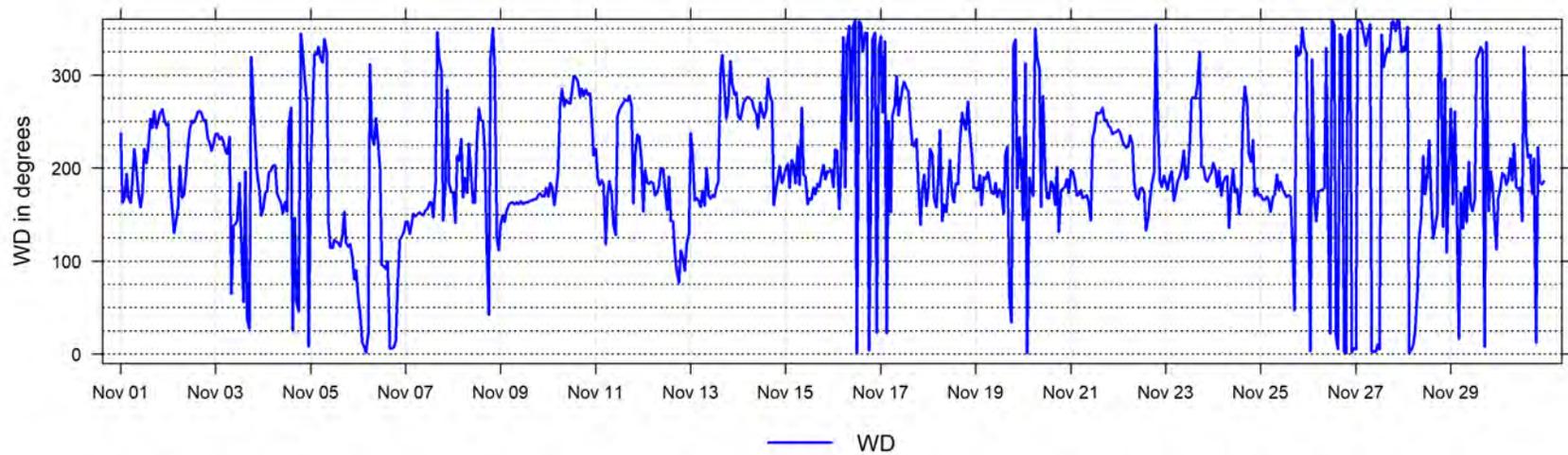
November 2025 Hourly Readings of Relative Humidity (in %) at Valleyview



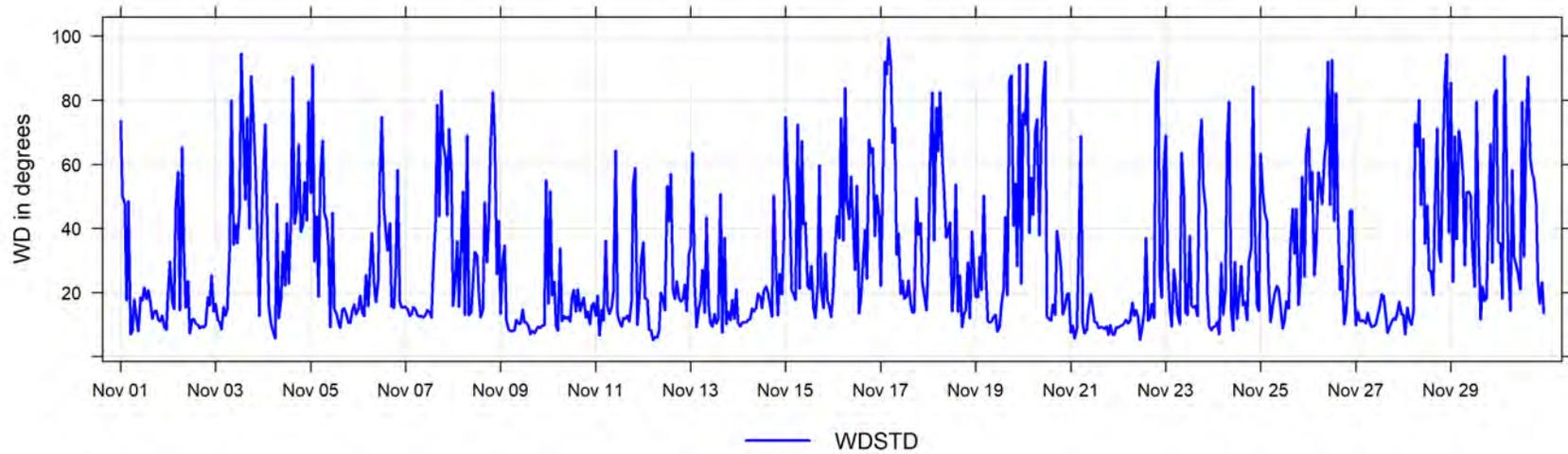
November 2025 Hourly Readings of Wind Speed (in km/hr) at Valleyview

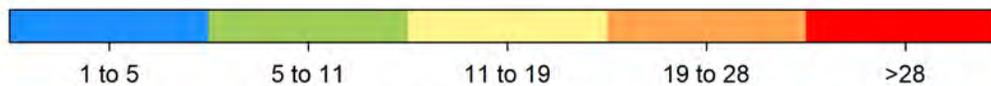
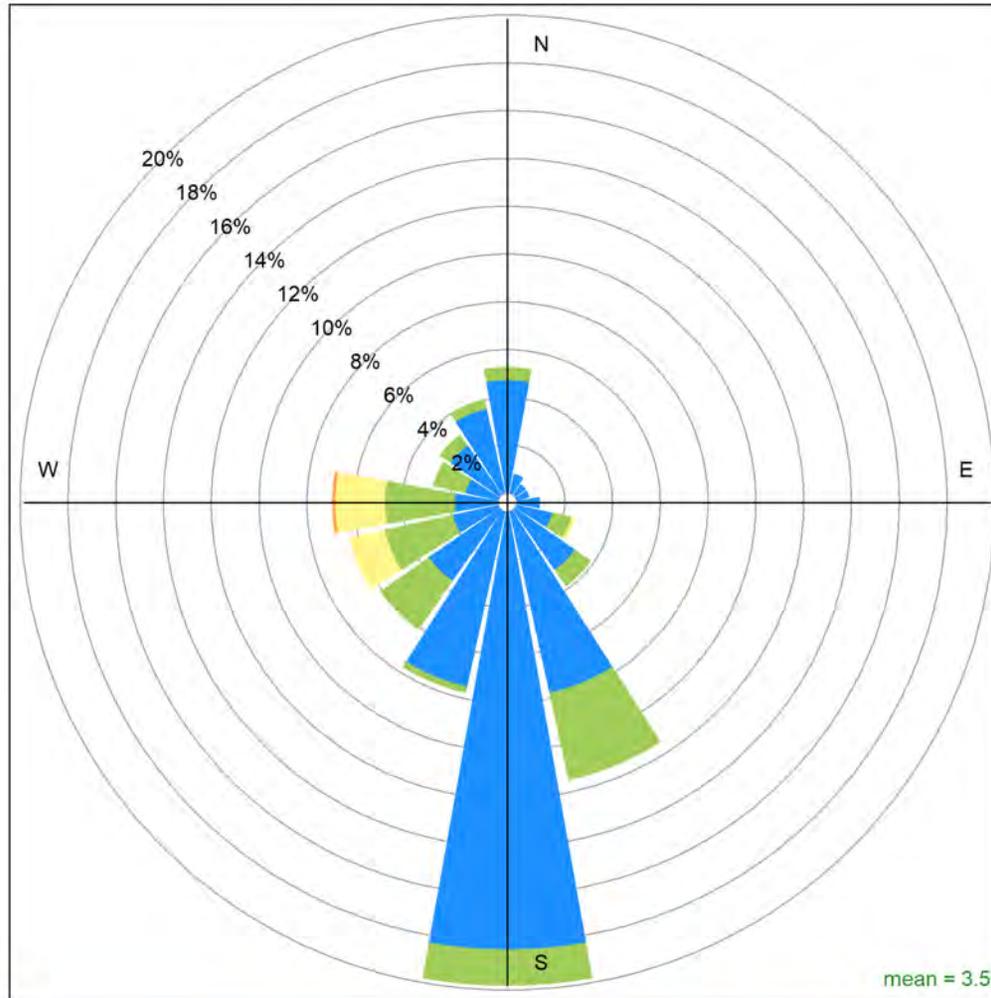


November 2025 Hourly Readings of Wind Direction (in degrees) at Valleyview



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Valleyview





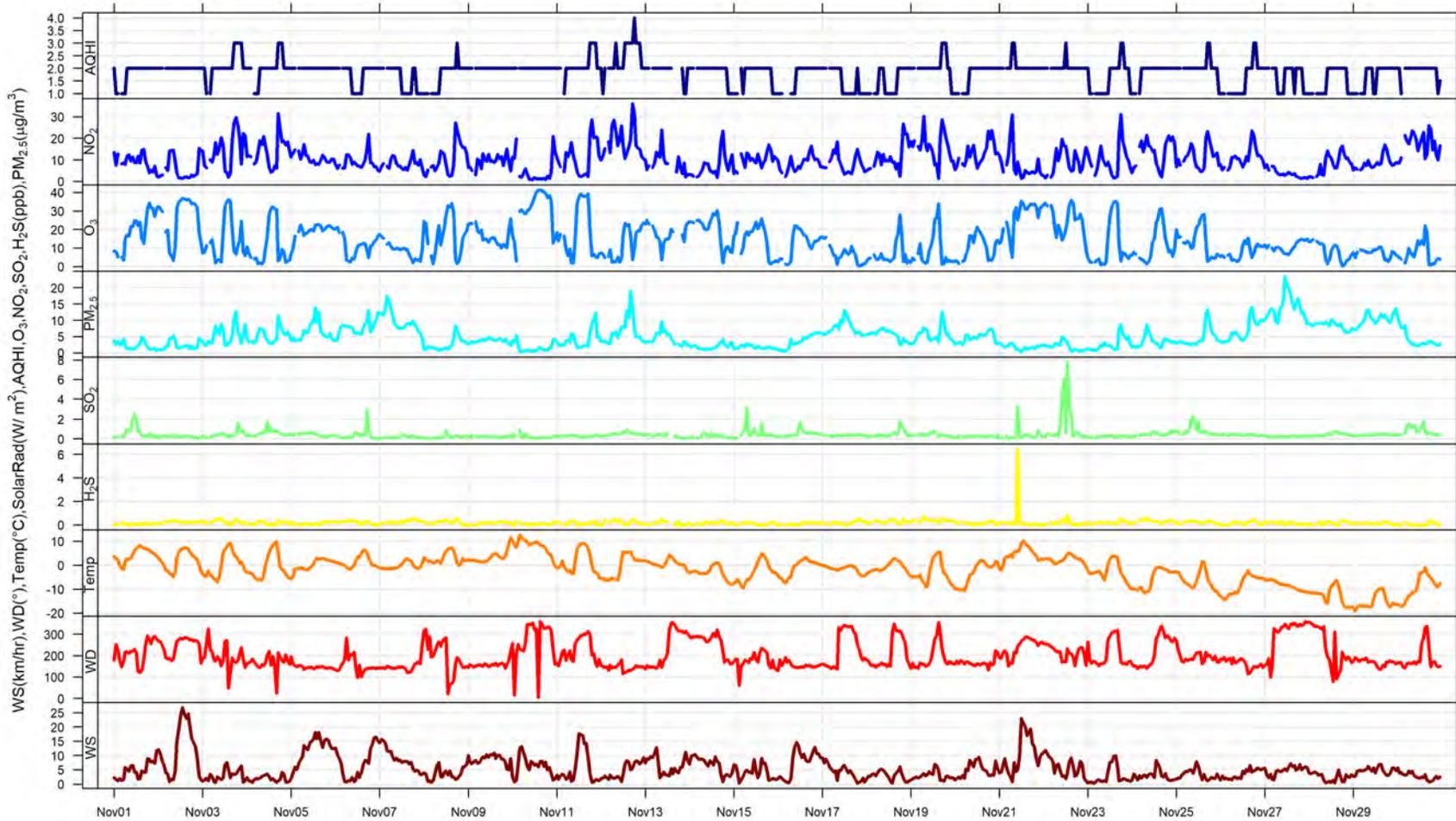
Valleyview November 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 17.1 %

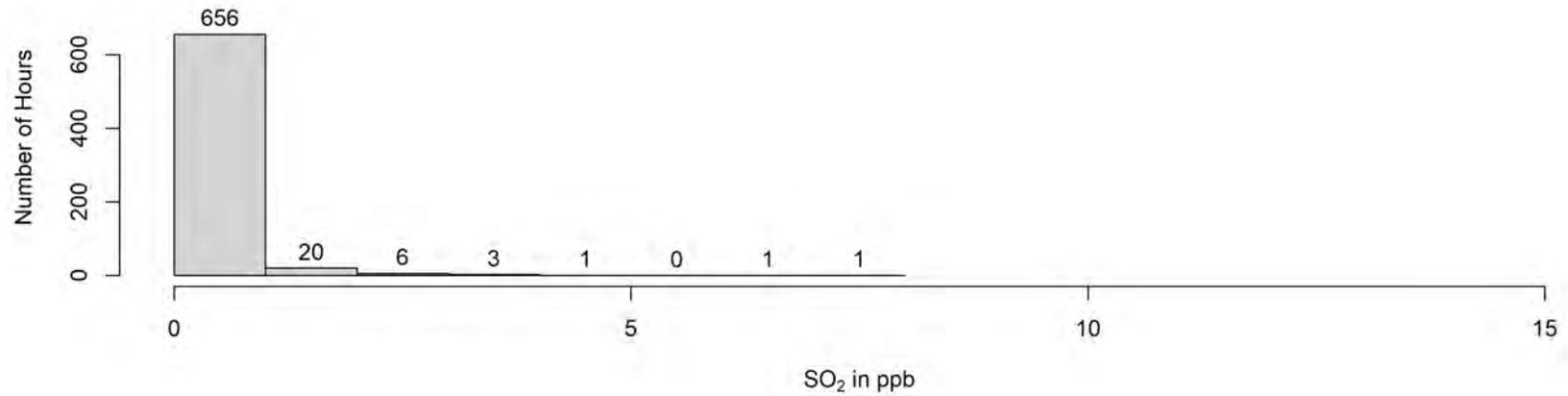
7 Fox Creek Charts

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

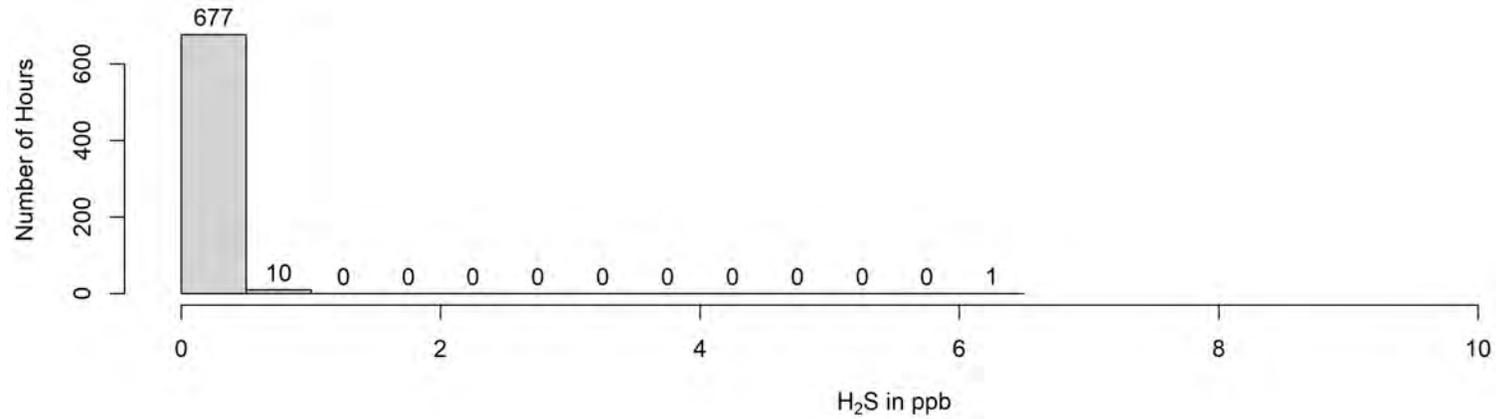
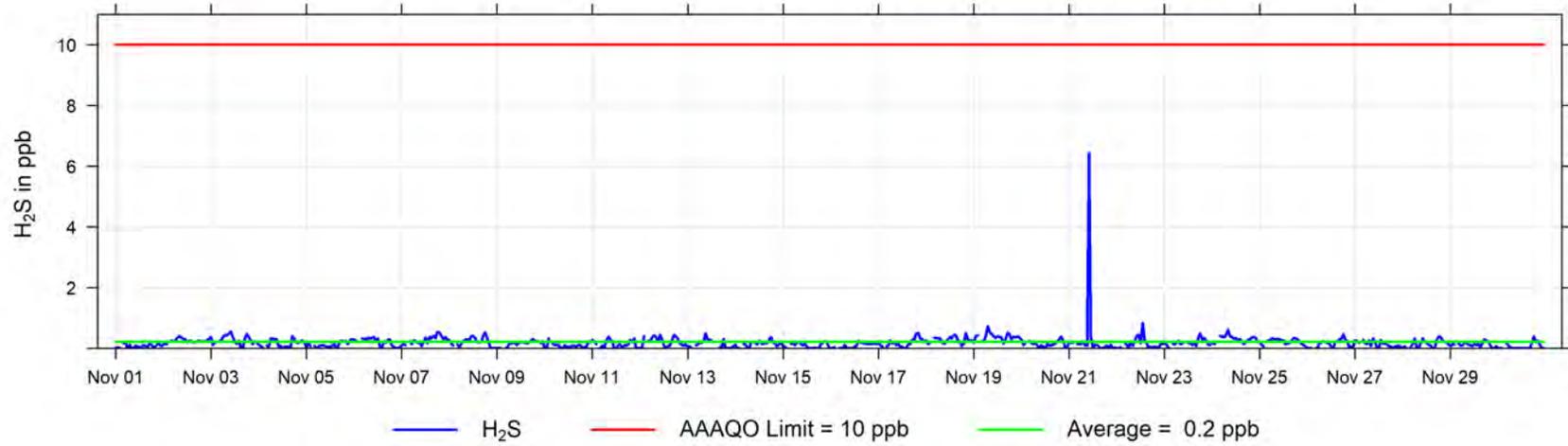
November 2025 Concentration Readings at Fox Creek Station



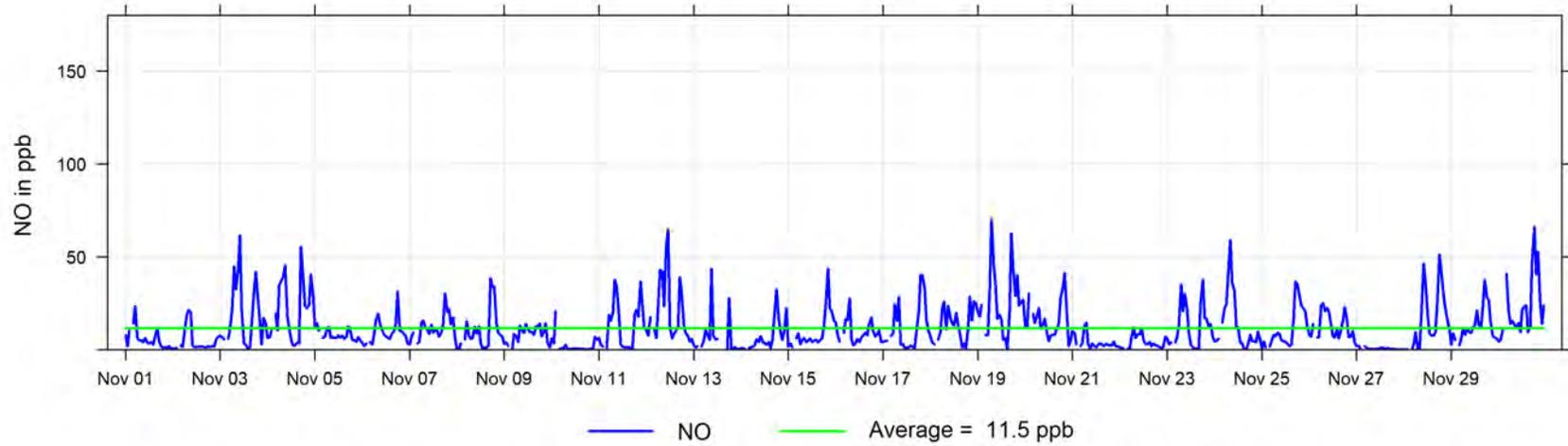
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Fox Creek



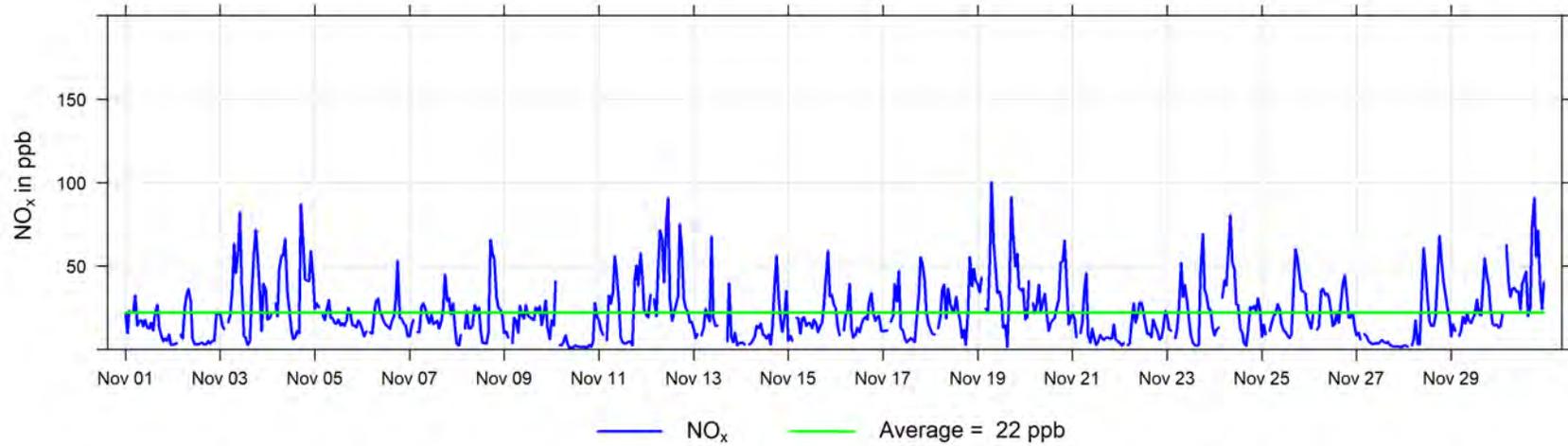
November 2025 Hourly Concentration Readings of H₂S (in ppb) at Fox Creek



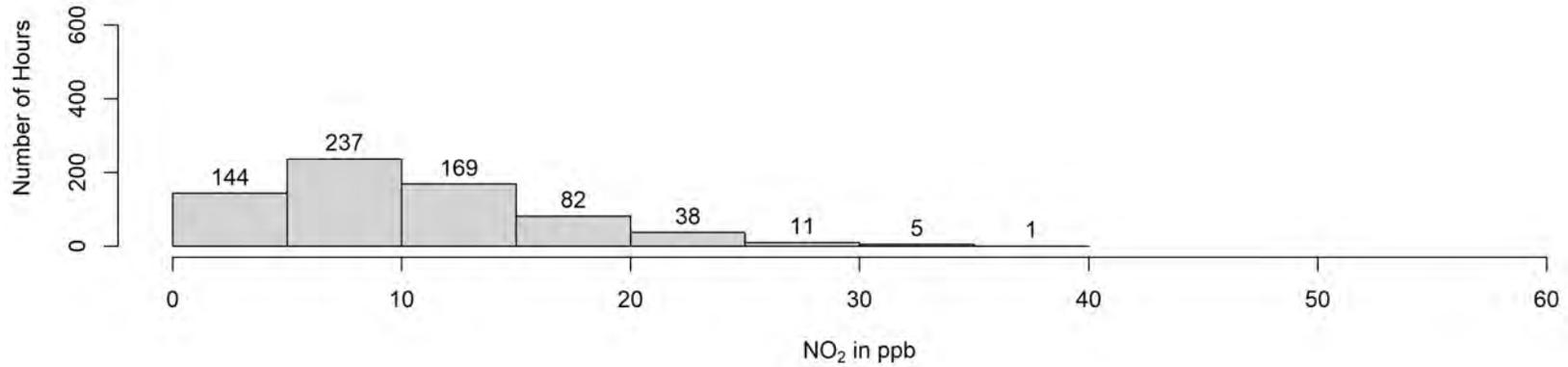
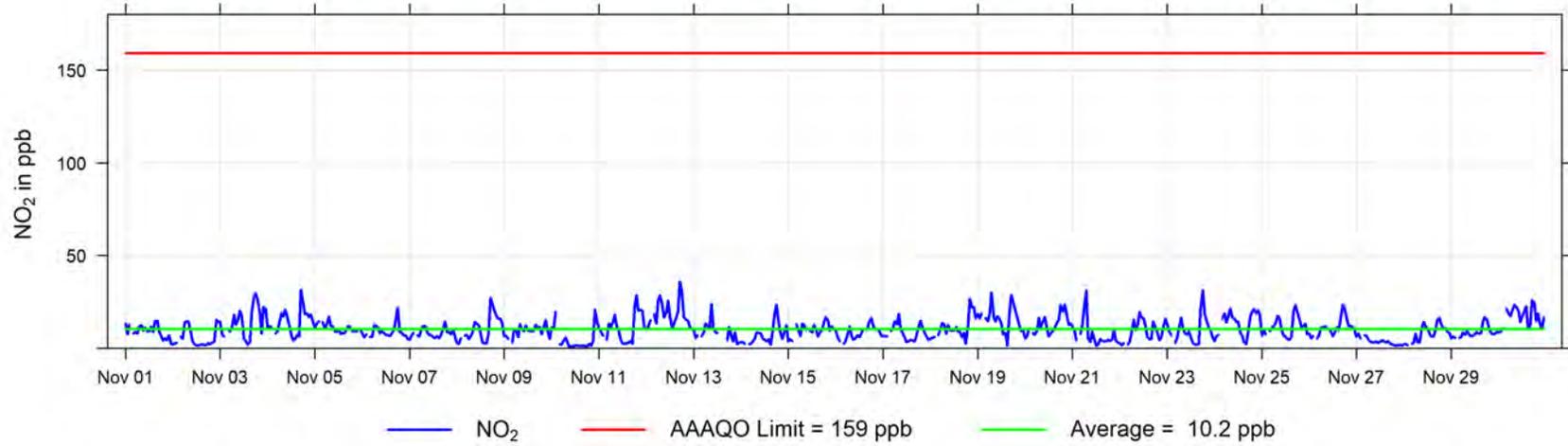
November 2025 Hourly Concentration Readings of NO (in ppb) at Fox Creek



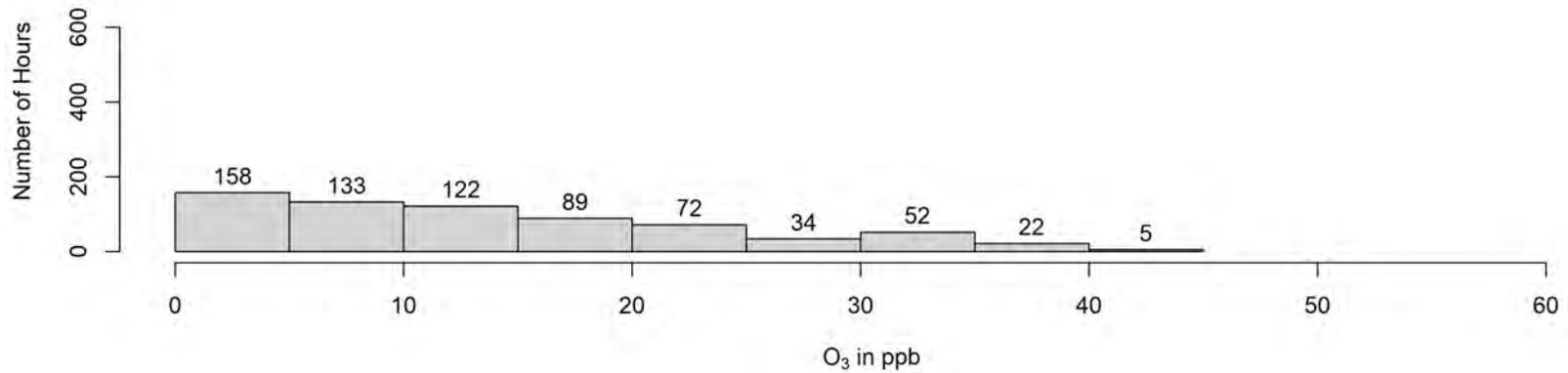
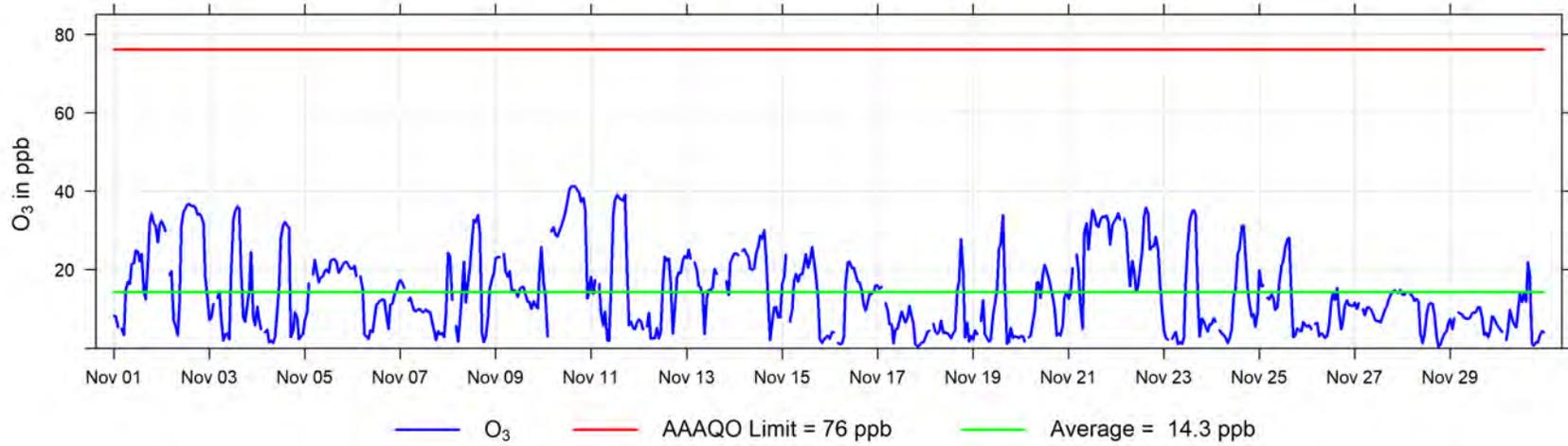
November 2025 Hourly Concentration Readings of NO_x (in ppb) at Fox Creek



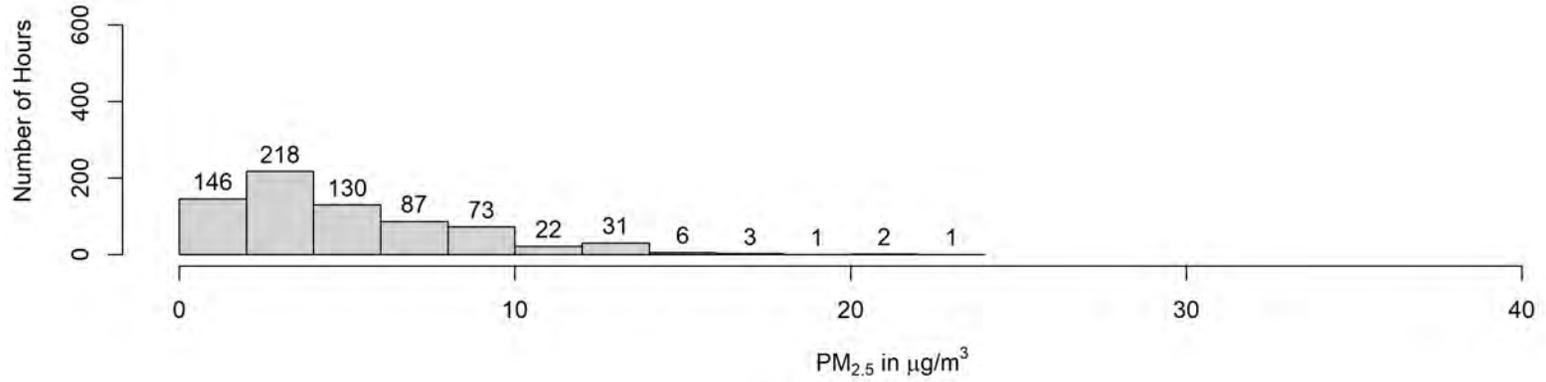
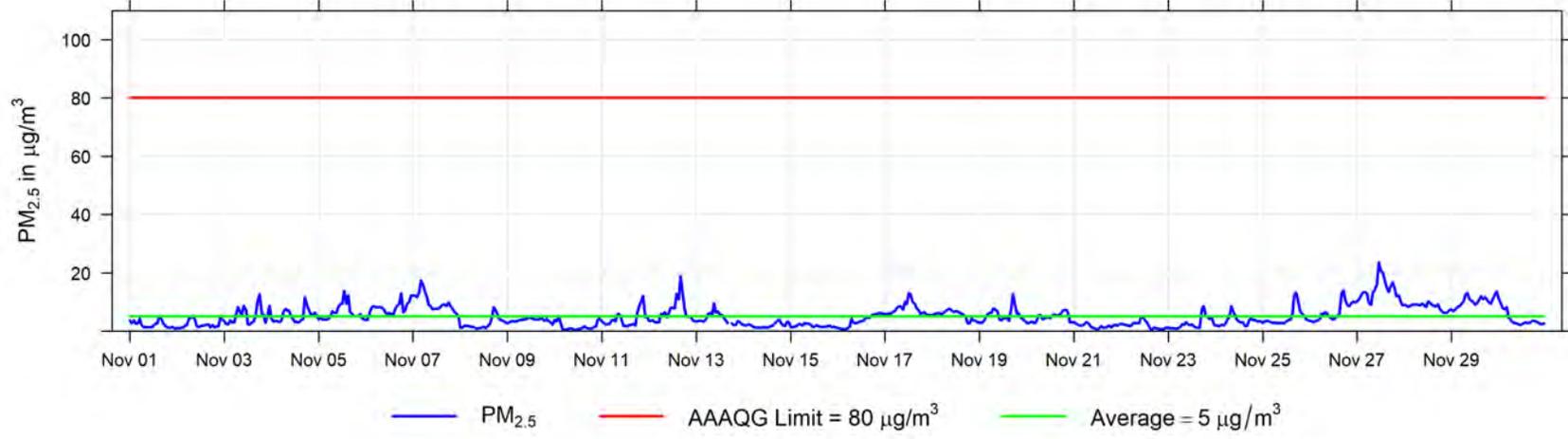
November 2025 Hourly Concentration Readings of NO₂ (in ppb) at Fox Creek



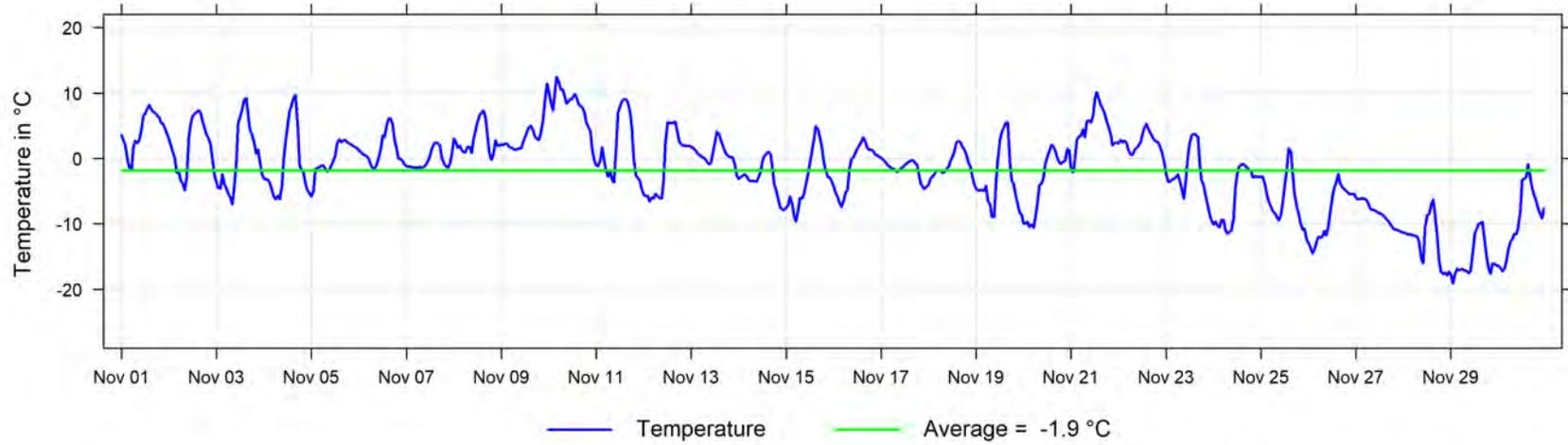
November 2025 Hourly Concentration Readings of O₃ (in ppb) at Fox Creek



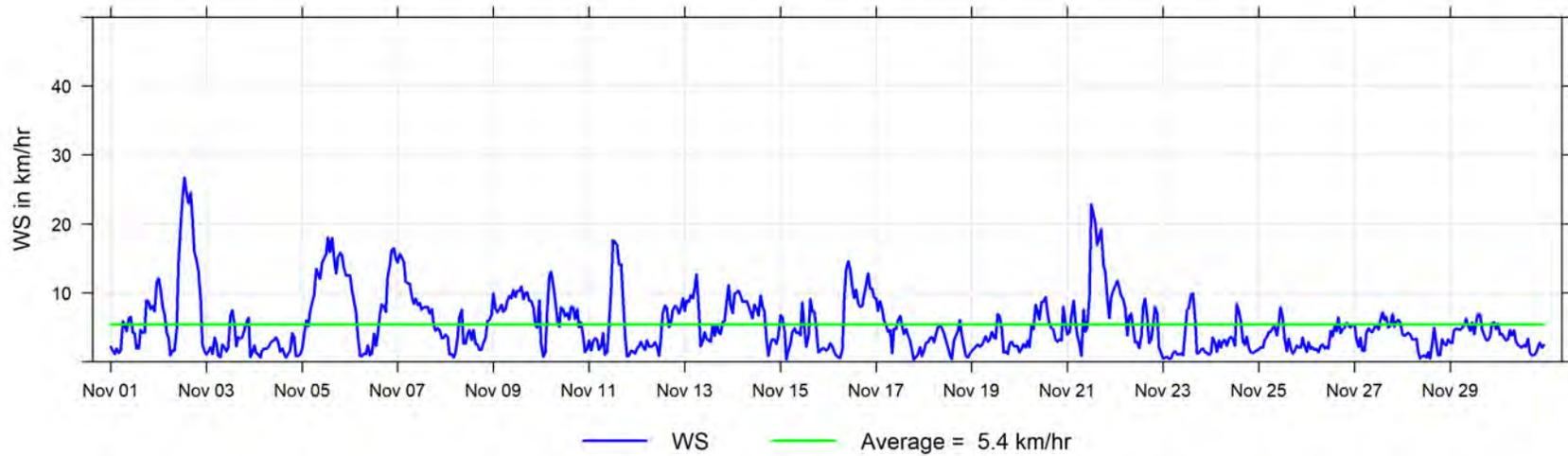
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Fox Creek



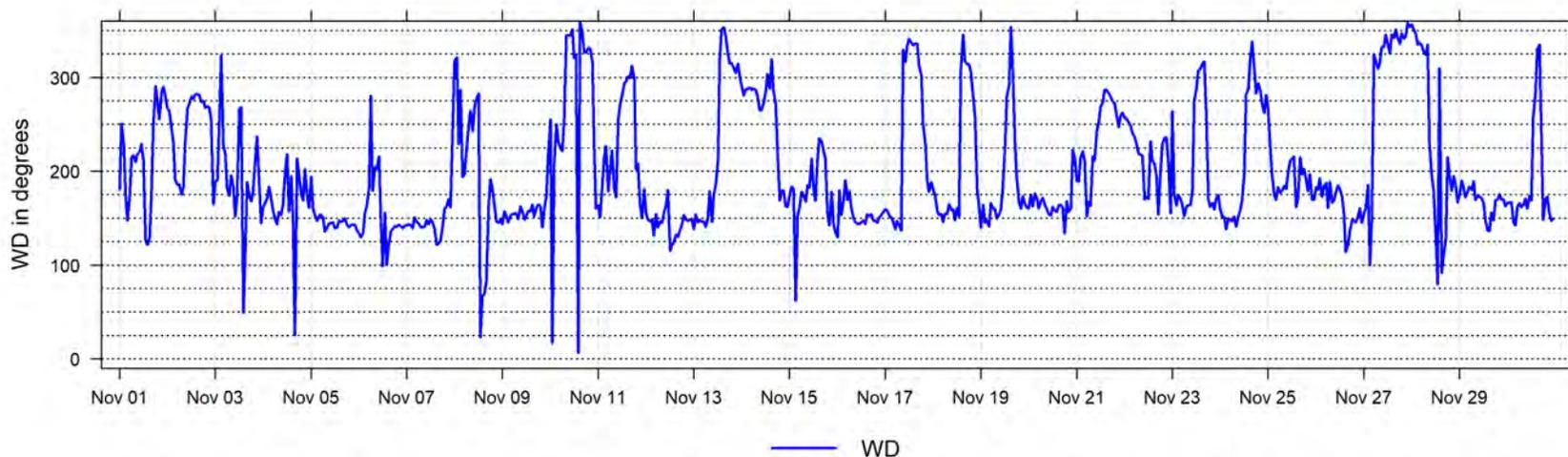
November 2025 Hourly Temperature Readings (in °C) at Fox Creek



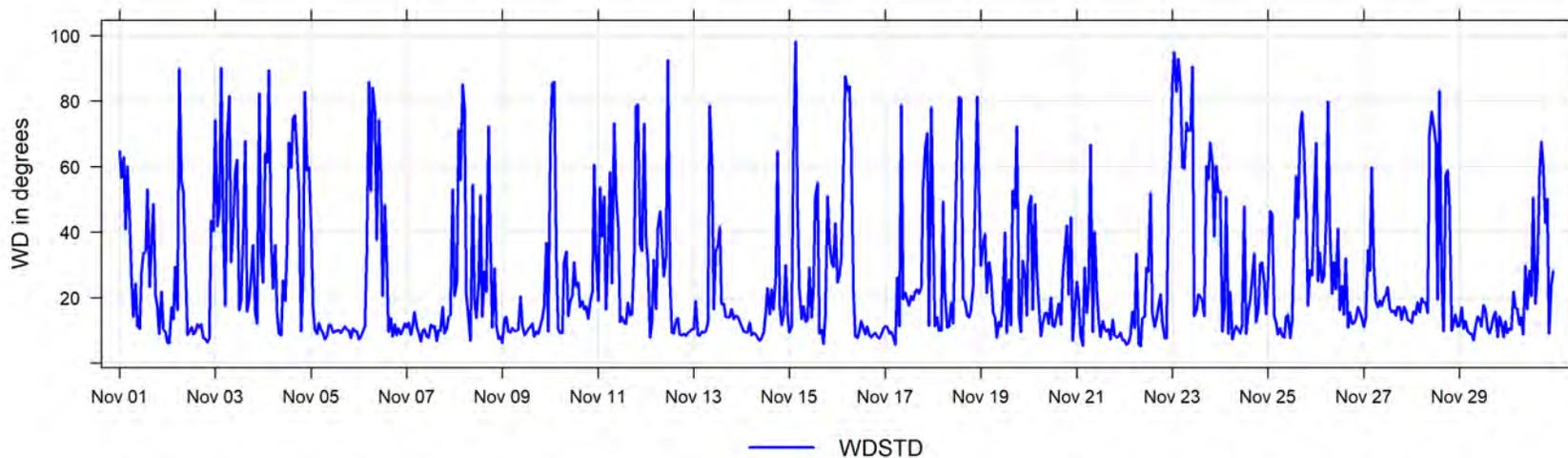
November 2025 Hourly Readings of Wind Speed (in km/hr) at Fox Creek

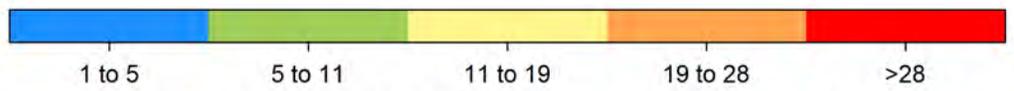
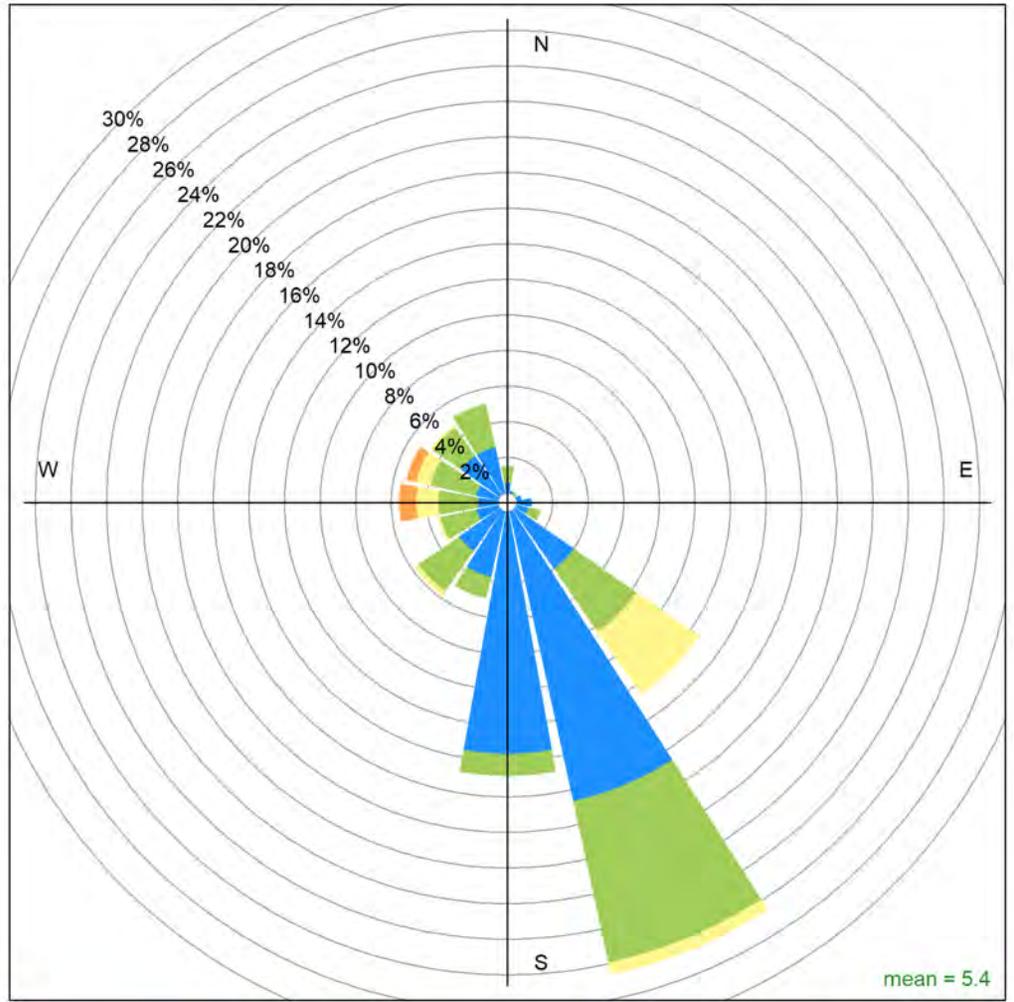


November 2025 Hourly Readings of Wind Direction (in degrees) at Fox Creek



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Fox Creek





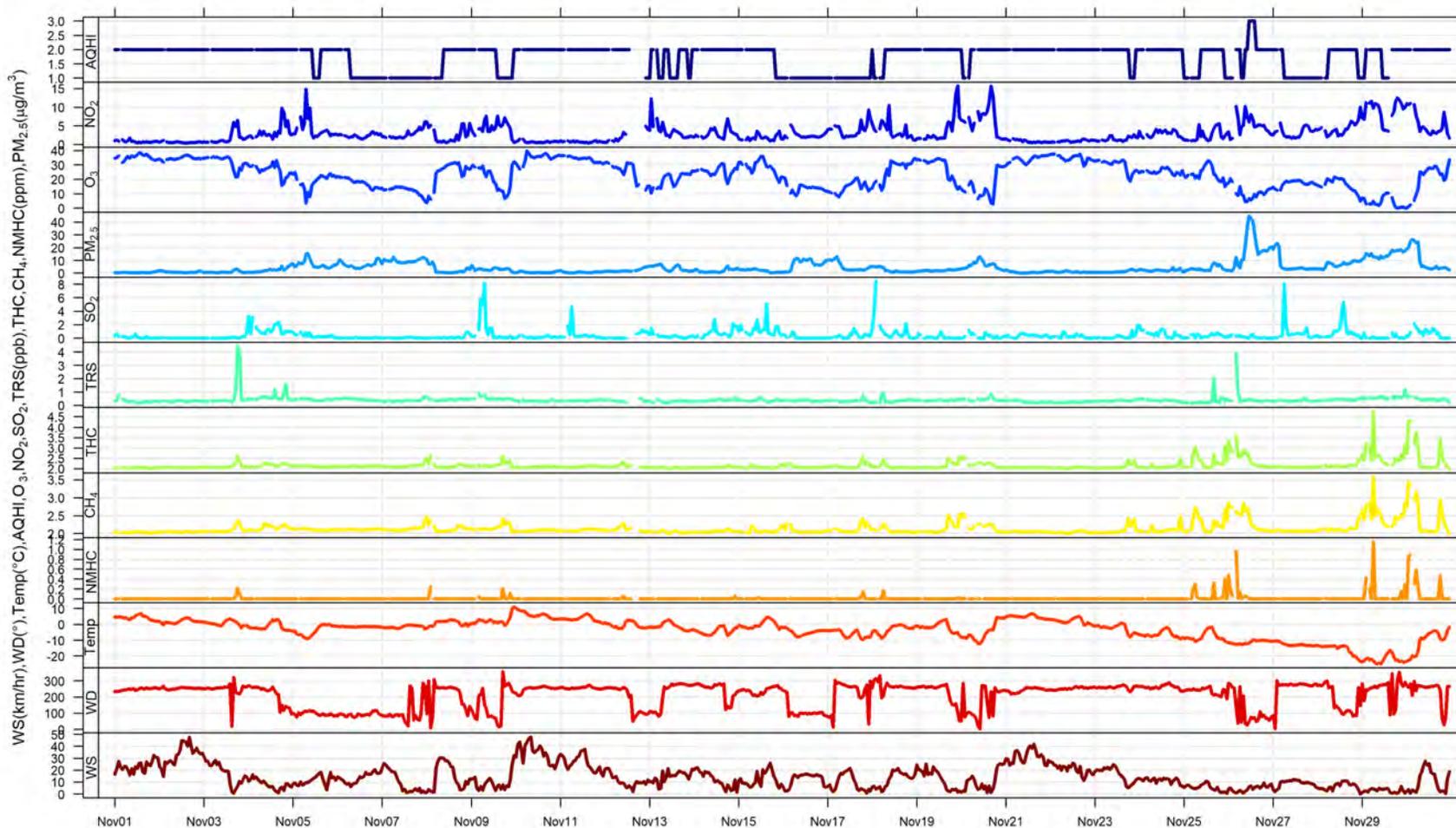
Fox Creek November 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 6.7 %

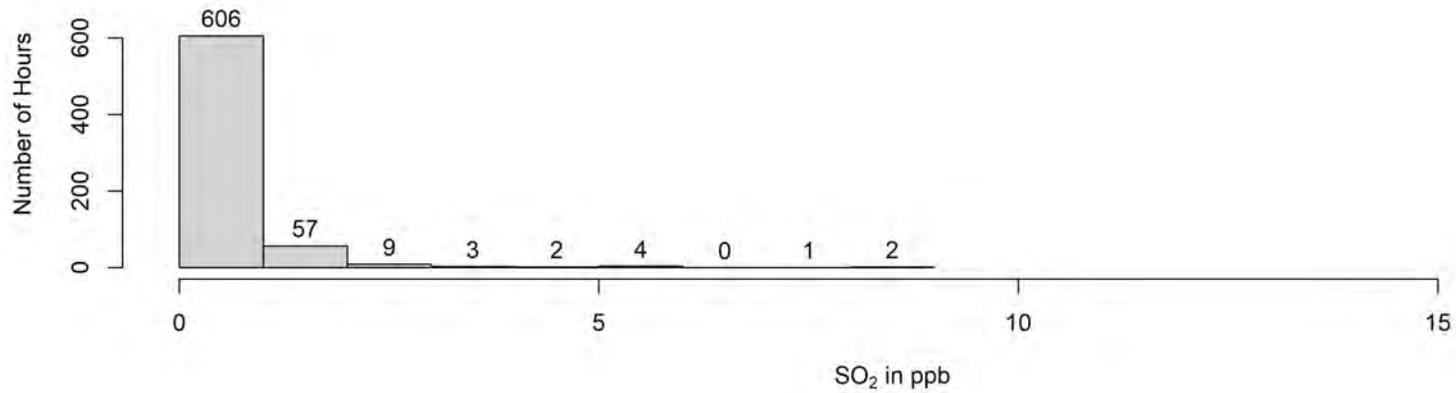
8 Happy Valley (Portable) Charts

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

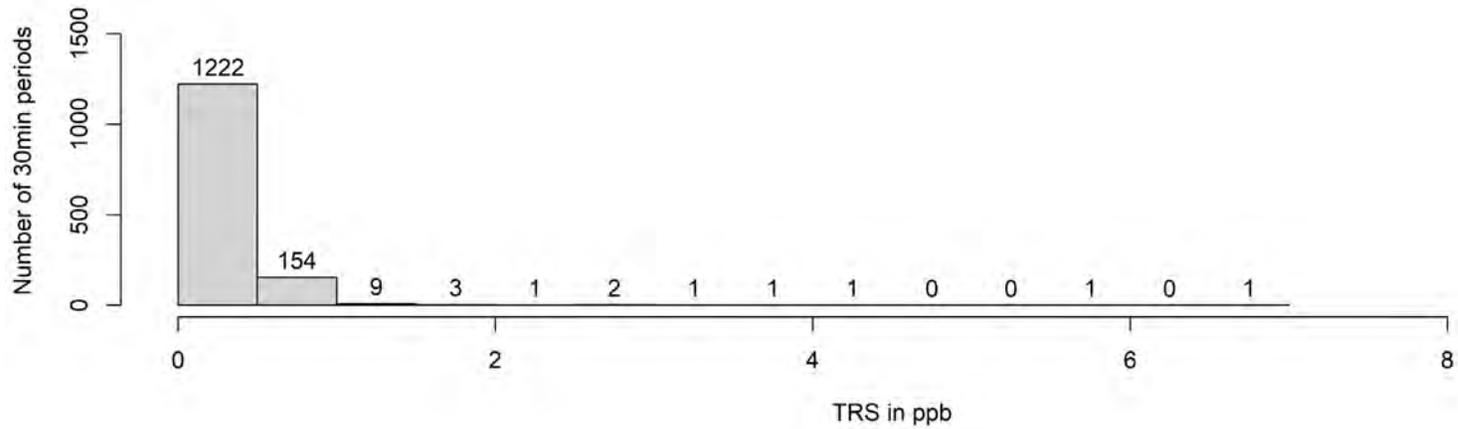
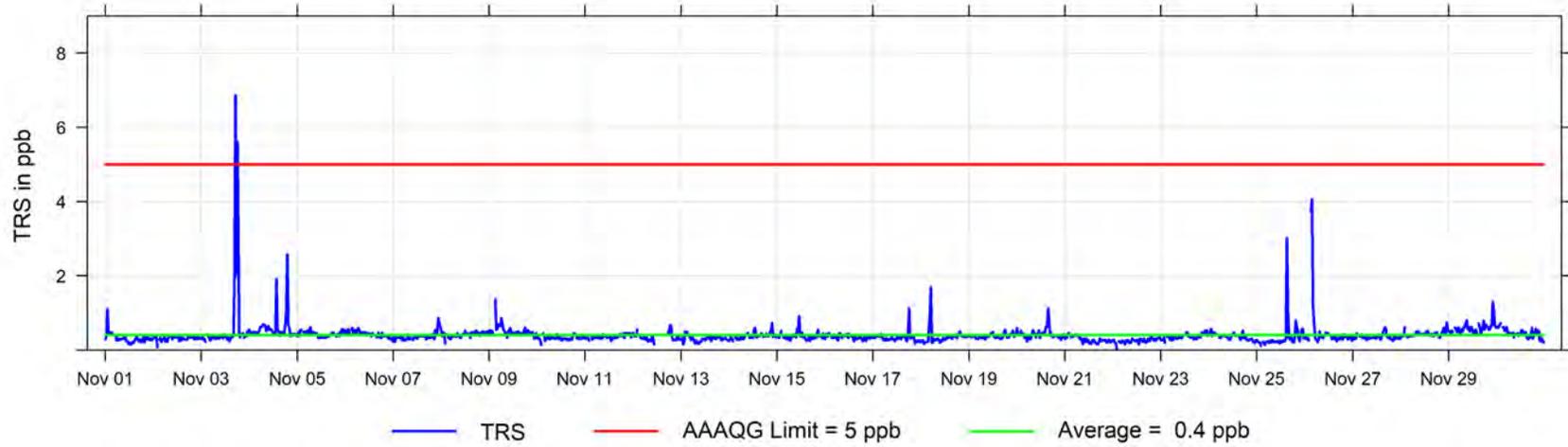
November 2025 Concentration Readings at Happy Valley Station



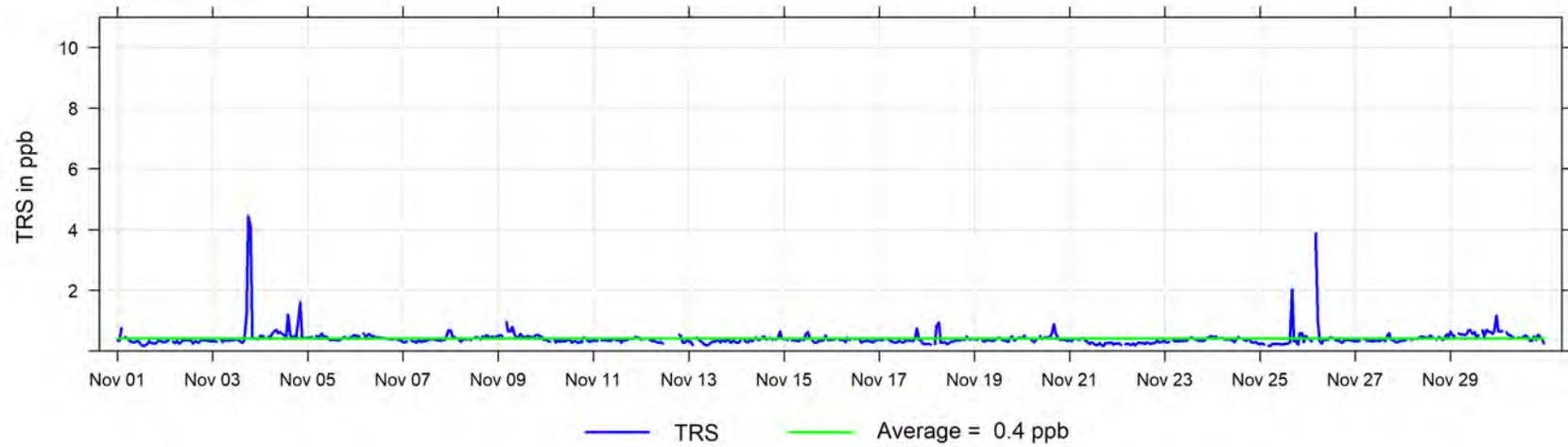
November 2025 Hourly Concentration Readings of SO₂ (in ppb) at Happy Valley



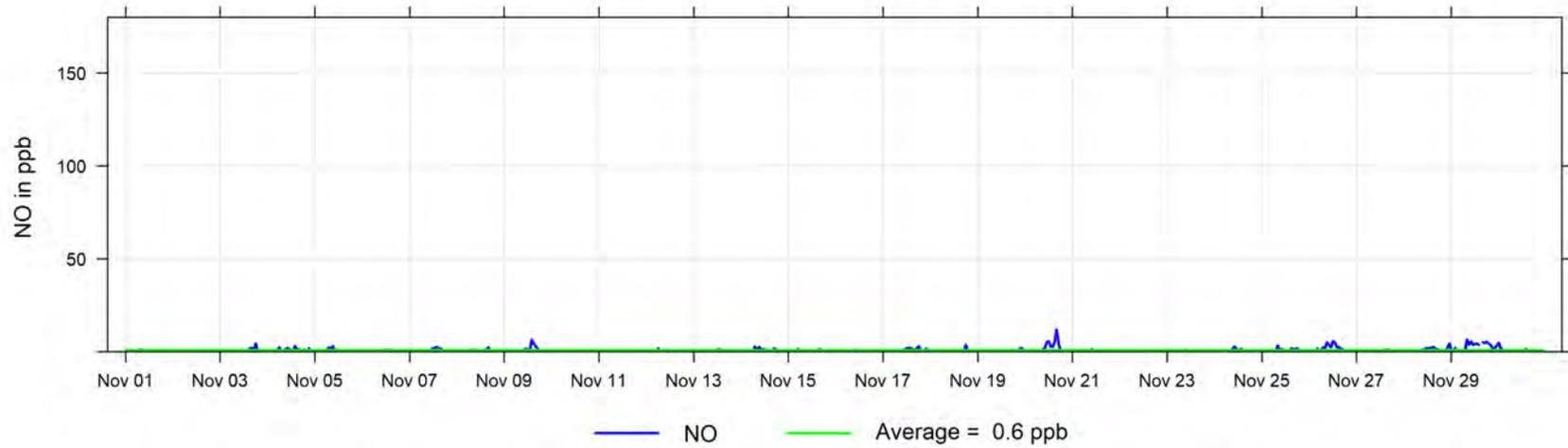
November 2025 30 min Concentration Readings of TRS (in ppb) at Happy Valley



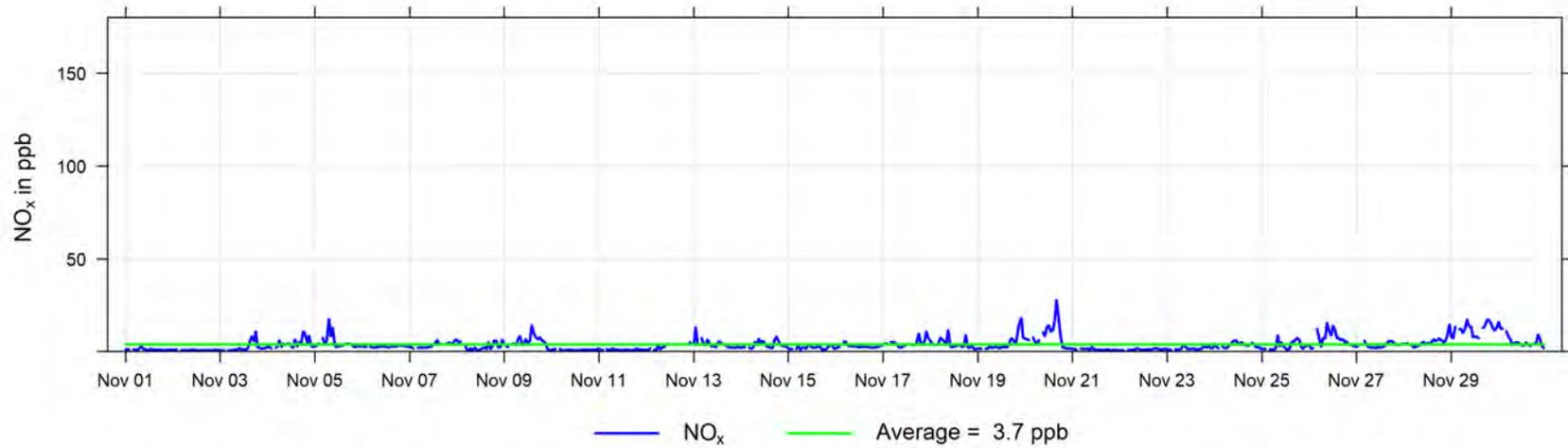
November 2025 Hourly Concentration Readings of TRS (in ppb) at Happy Valley



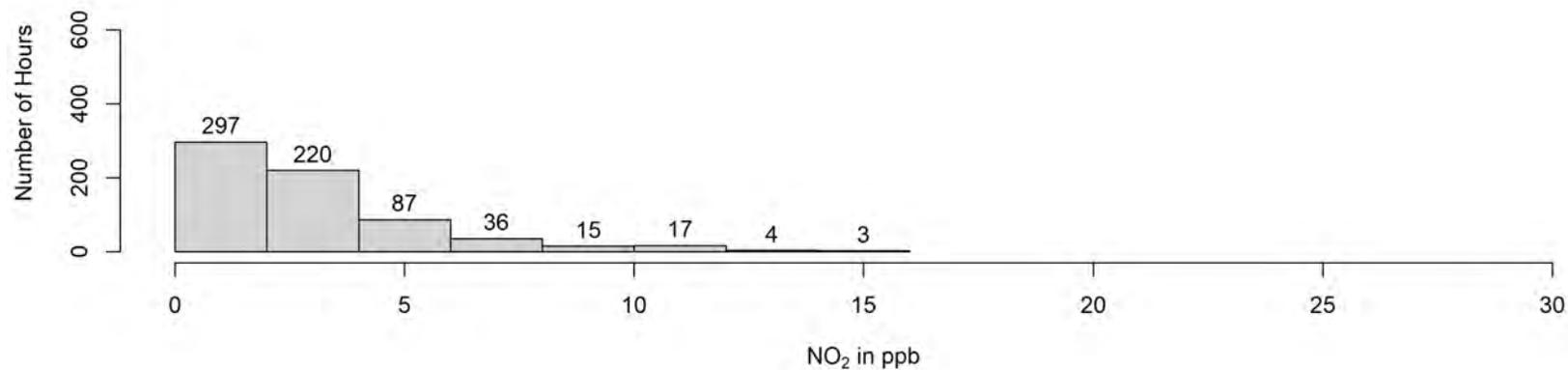
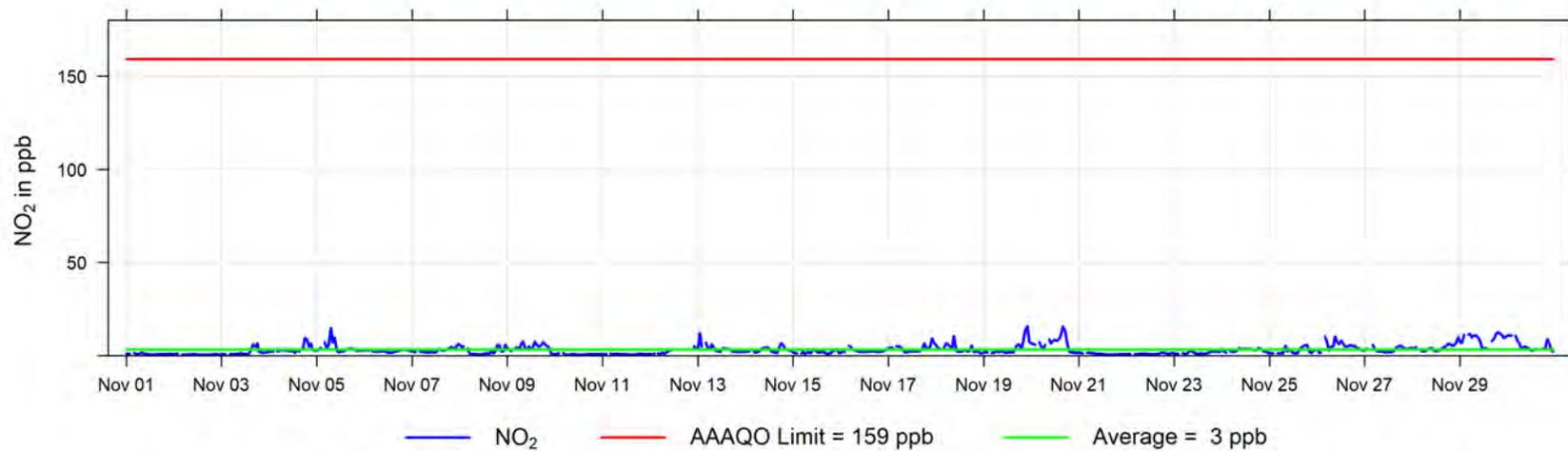
November 2025 Hourly Concentration Readings of NO (in ppb) at Happy Valley



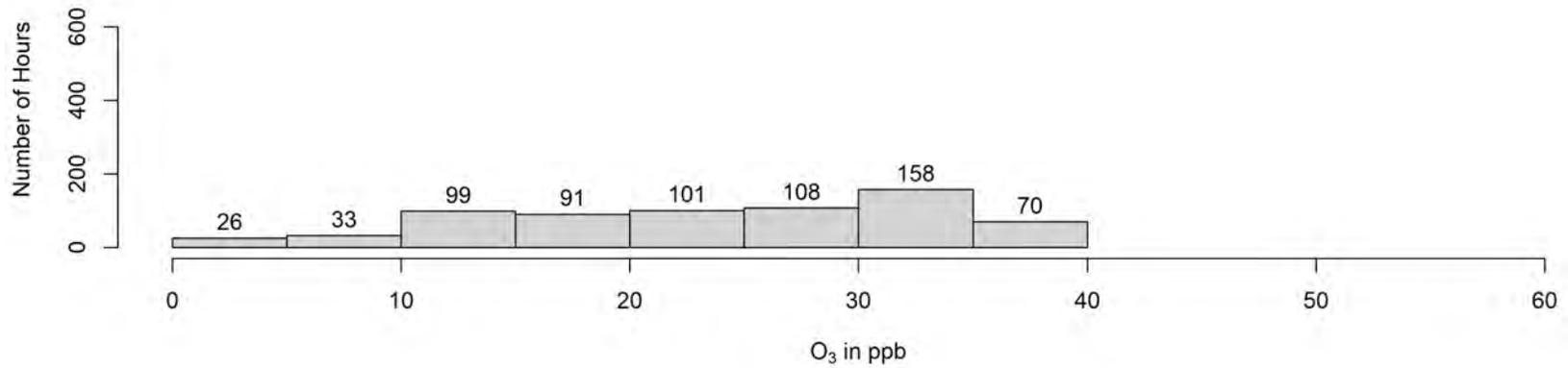
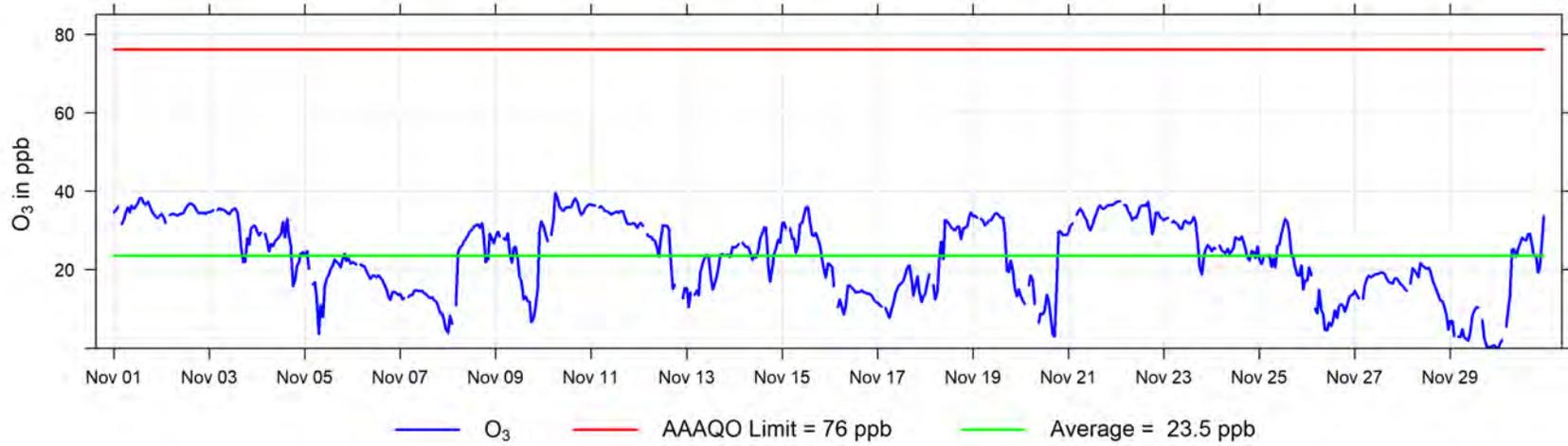
November 2025 Hourly Concentration Readings of NO_x (in ppb) at Happy Valley



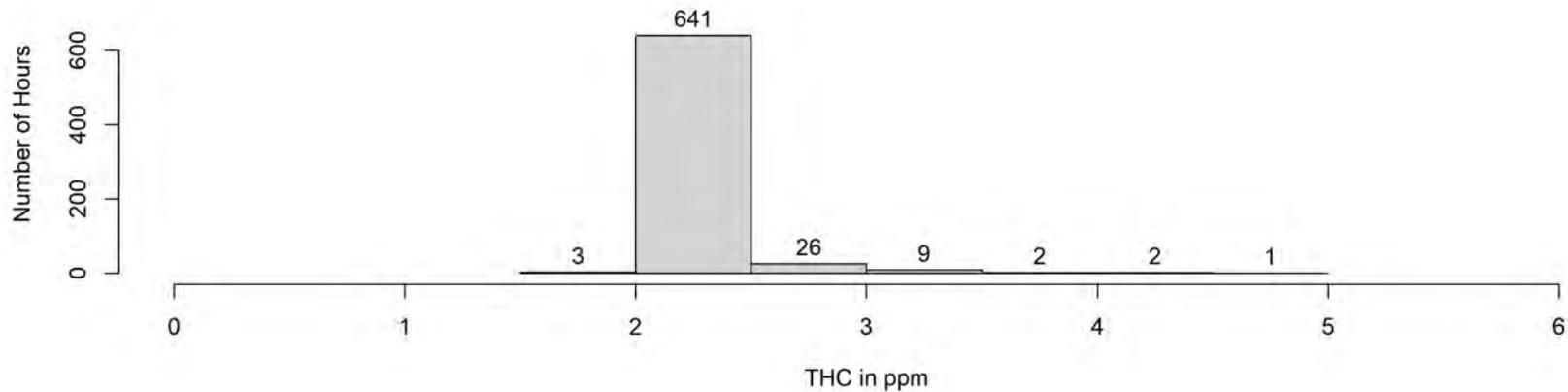
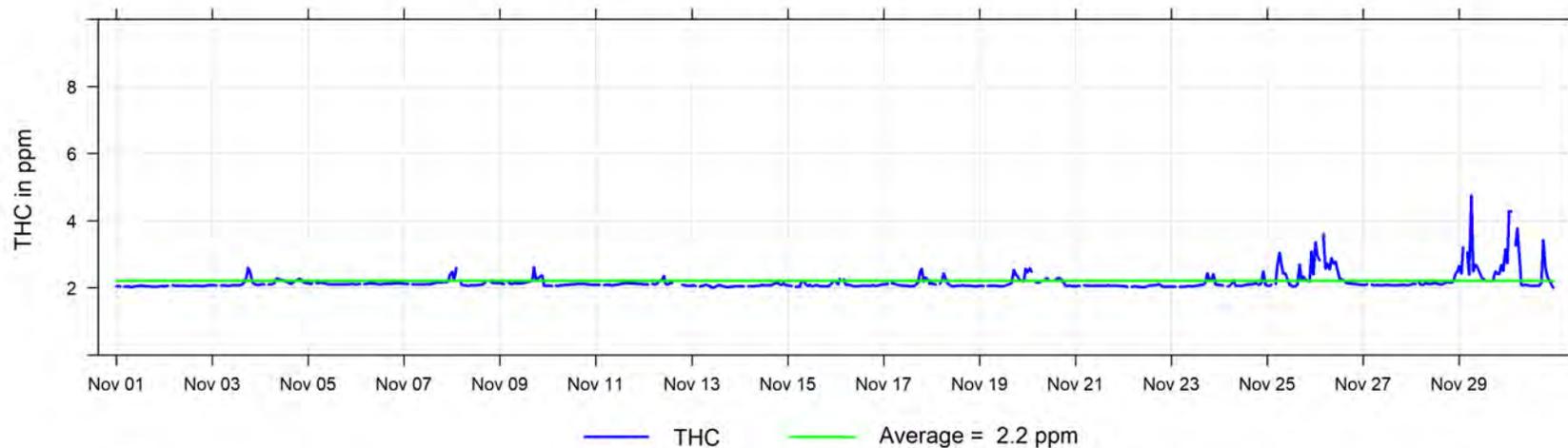
November 2025 Hourly Concentration Readings of NO₂ (in ppb) at Happy Valley



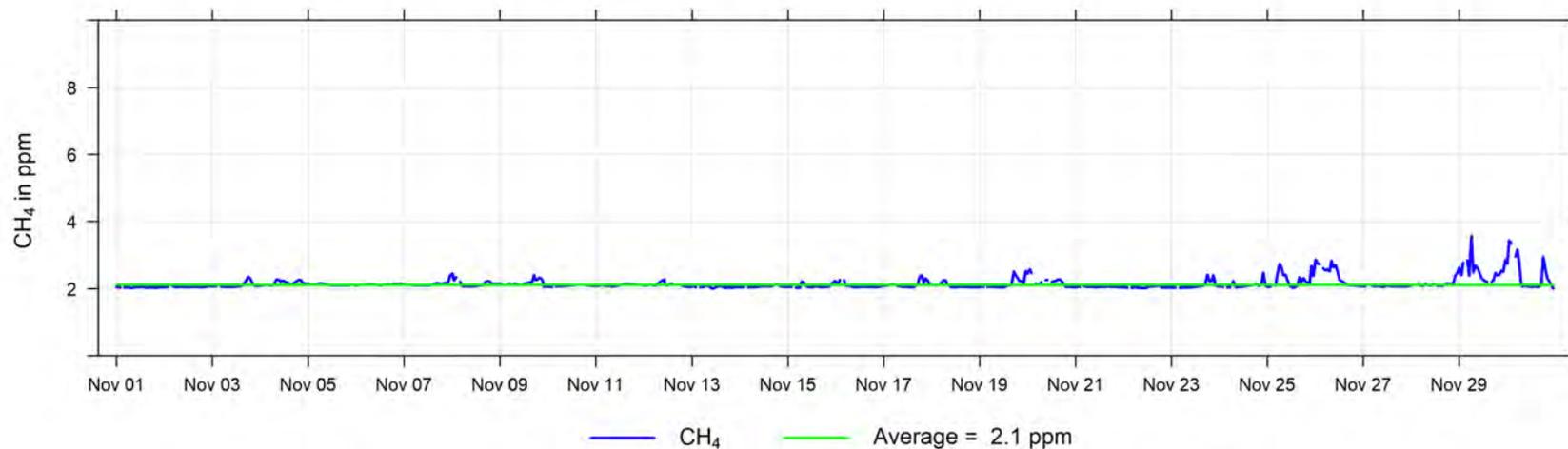
November 2025 Hourly Concentration Readings of O₃ (in ppb) at Happy Valley



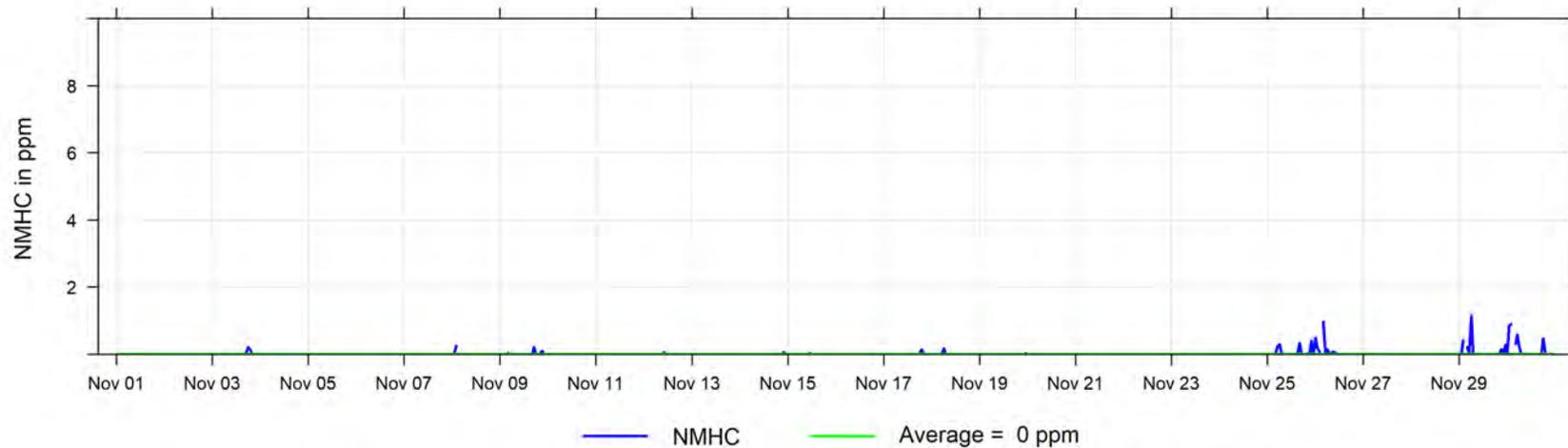
November 2025 Hourly Concentration Readings of THC (in ppm) at Happy Valley



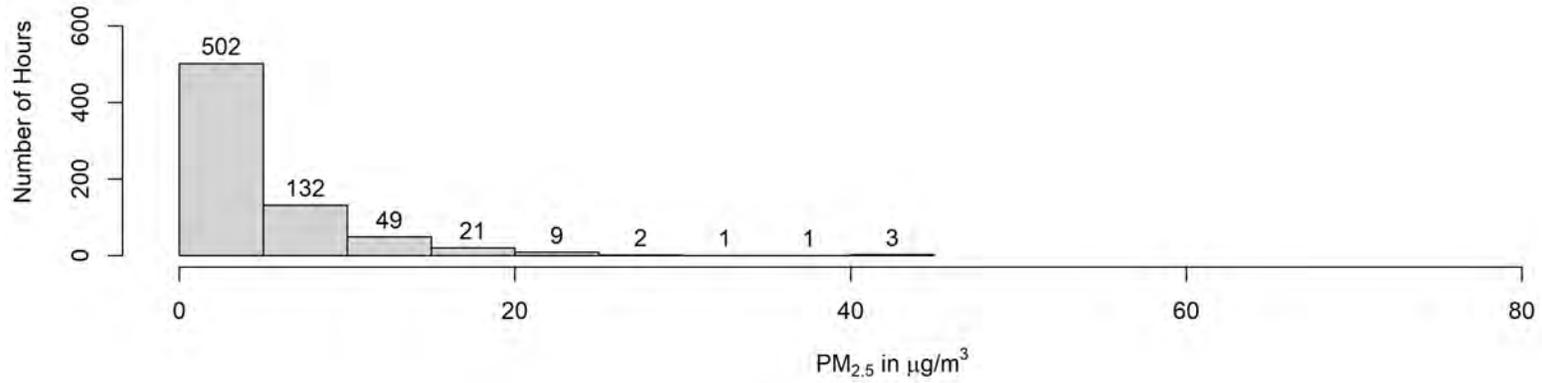
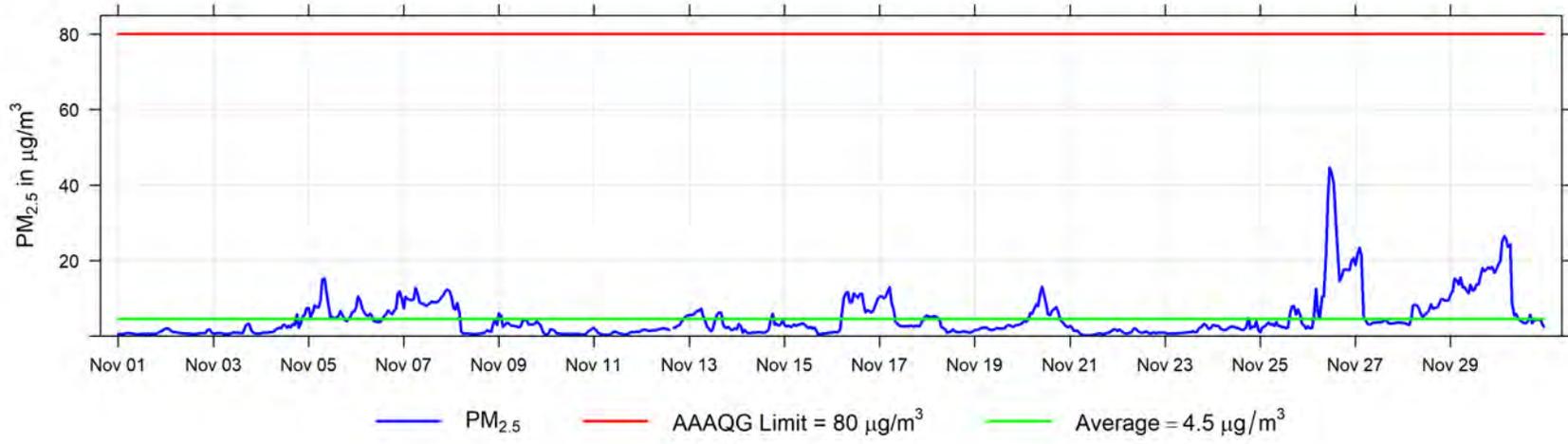
November 2025 Hourly Concentration Readings of CH₄ (in ppm) at Happy Valley



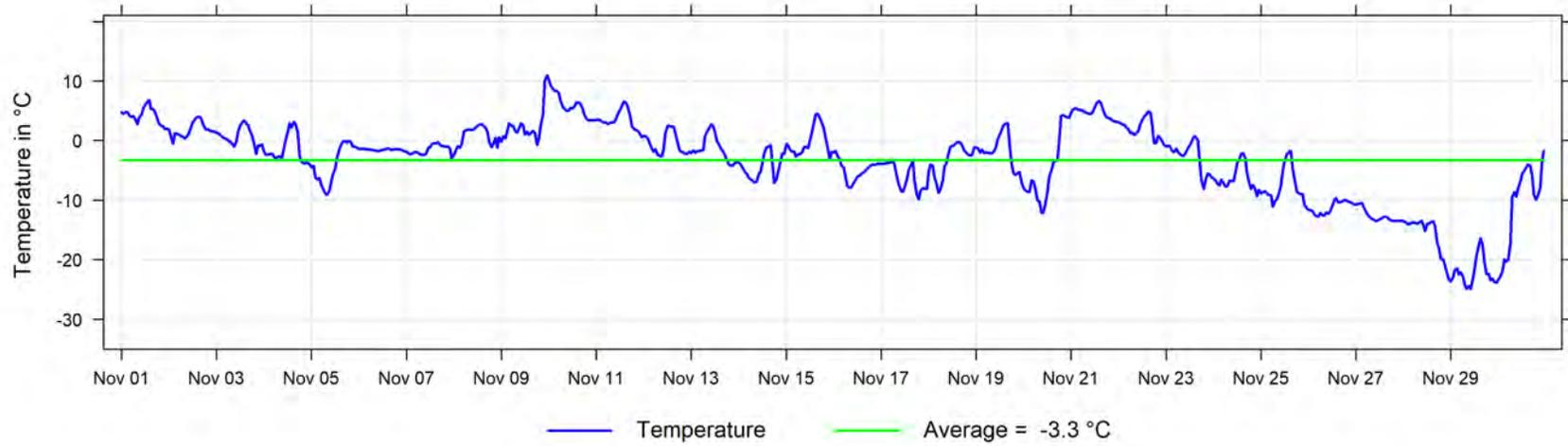
November 2025 Hourly Concentration Readings of NMHC (in ppm) at Happy Valley



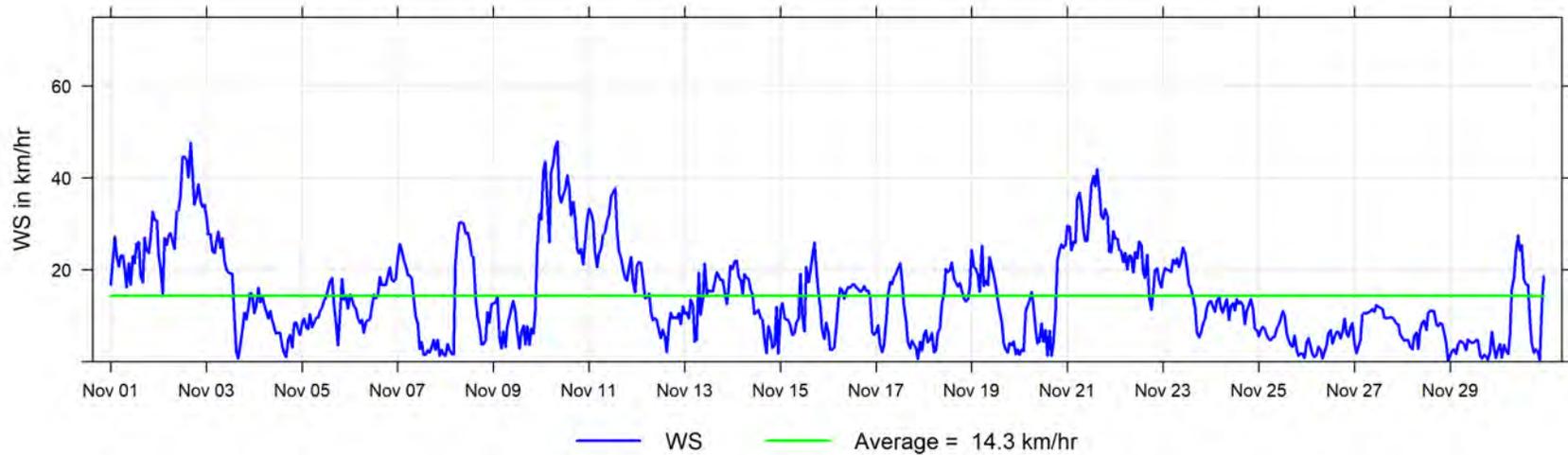
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Happy Valley



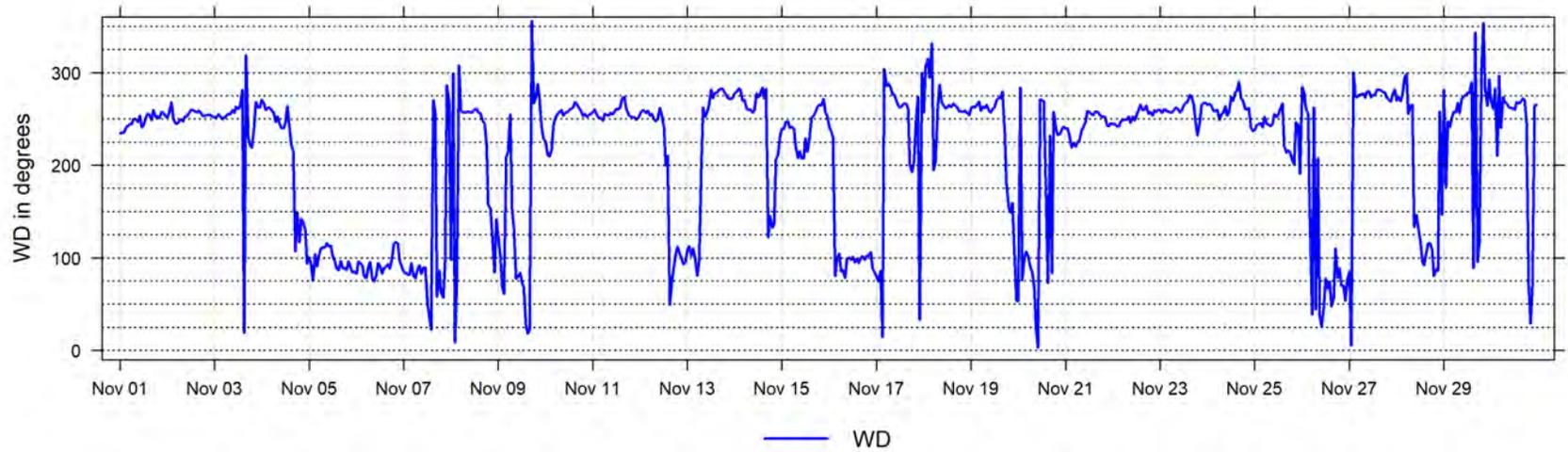
November 2025 Hourly Temperature Readings (in °C) at Happy Valley



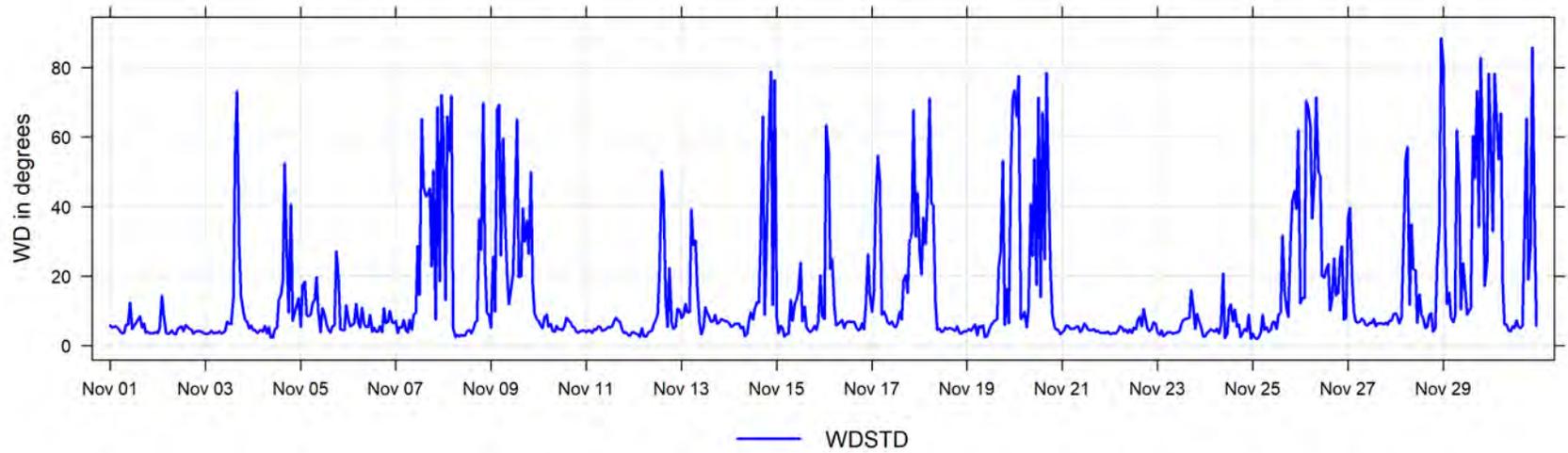
November 2025 Hourly Readings of Wind Speed (in km/hr) at Happy Valley

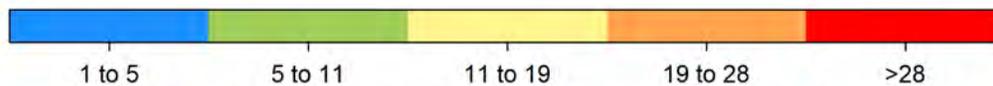
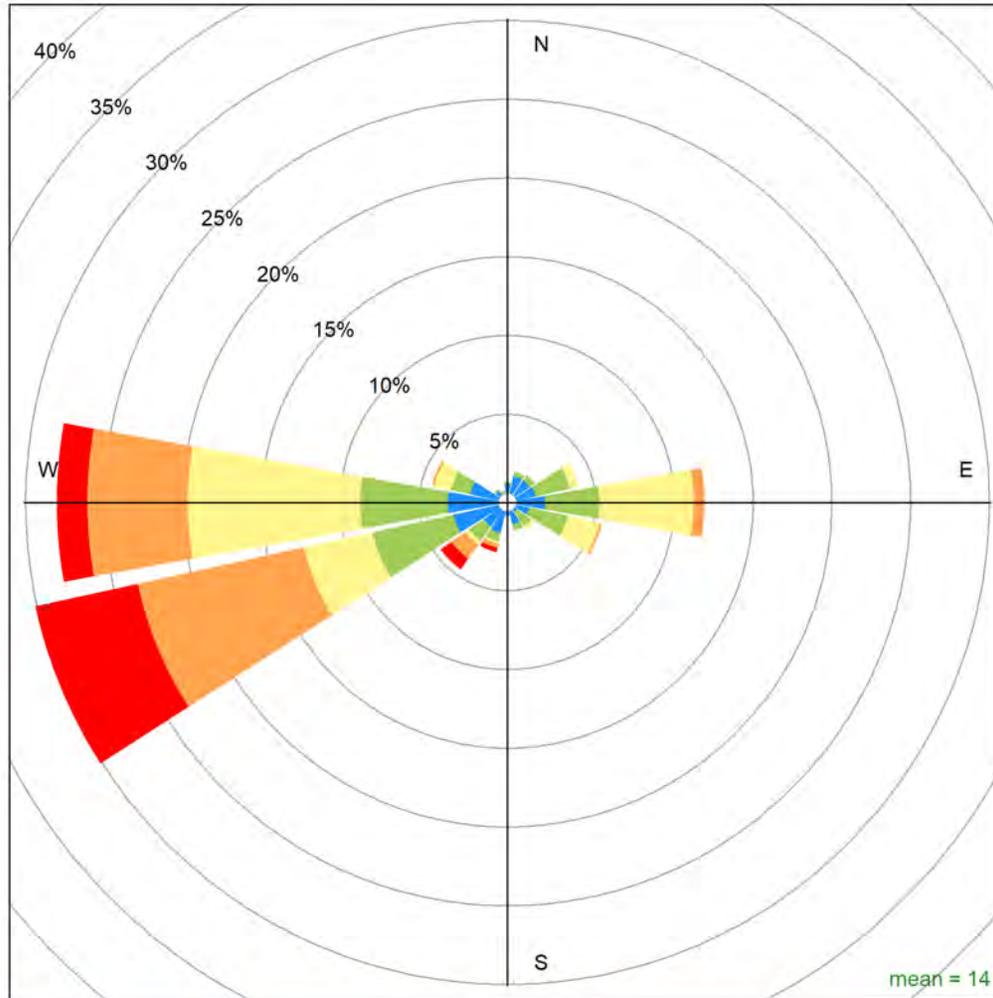


November 2025 Hourly Readings of Wind Direction (in degrees) at Happy Valley



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Happy Valley



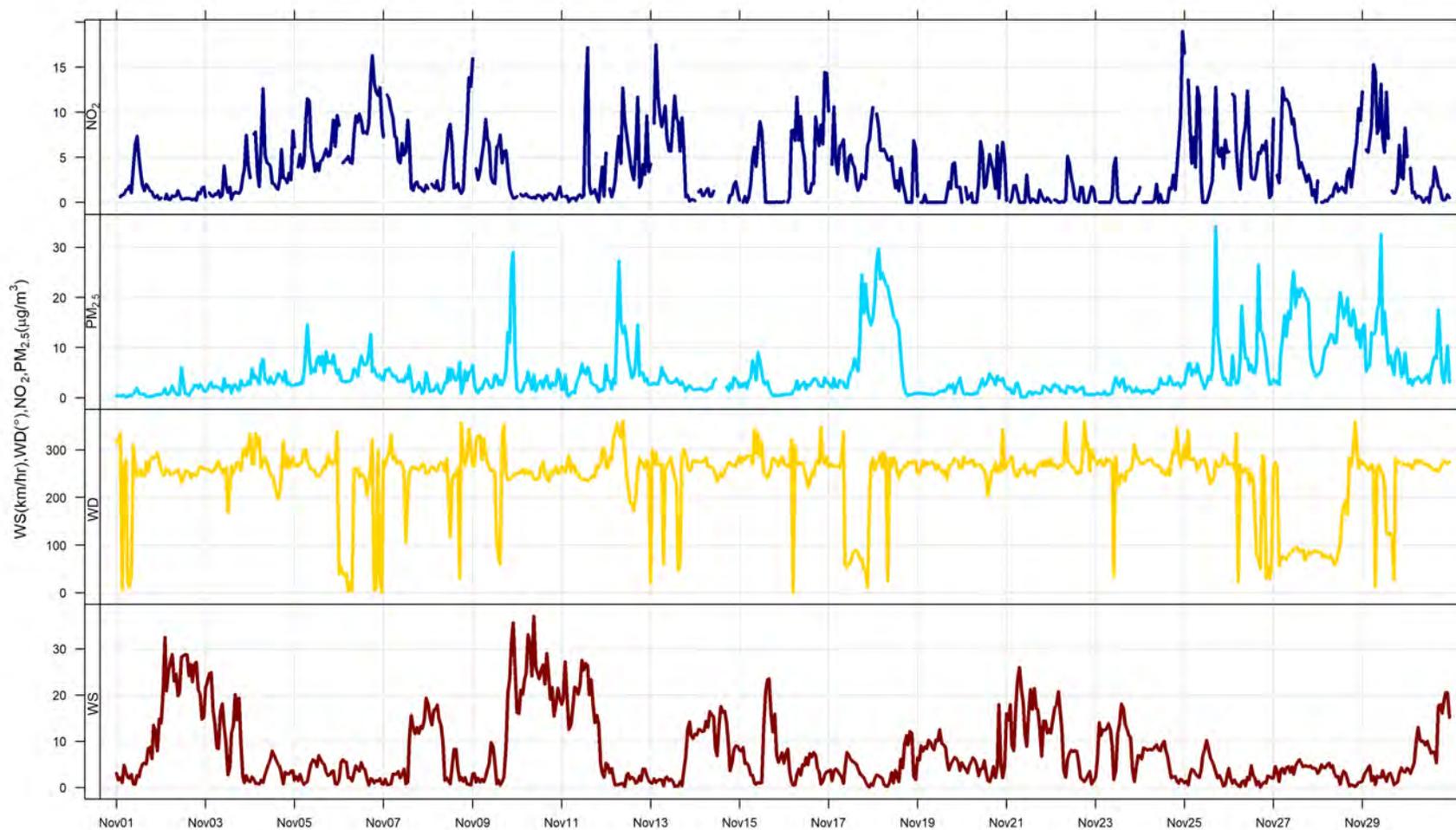


Happy Valley November 2025 Wind Rose, wind speed in km/hr
Calms (<1km/hr) = 1.7 %

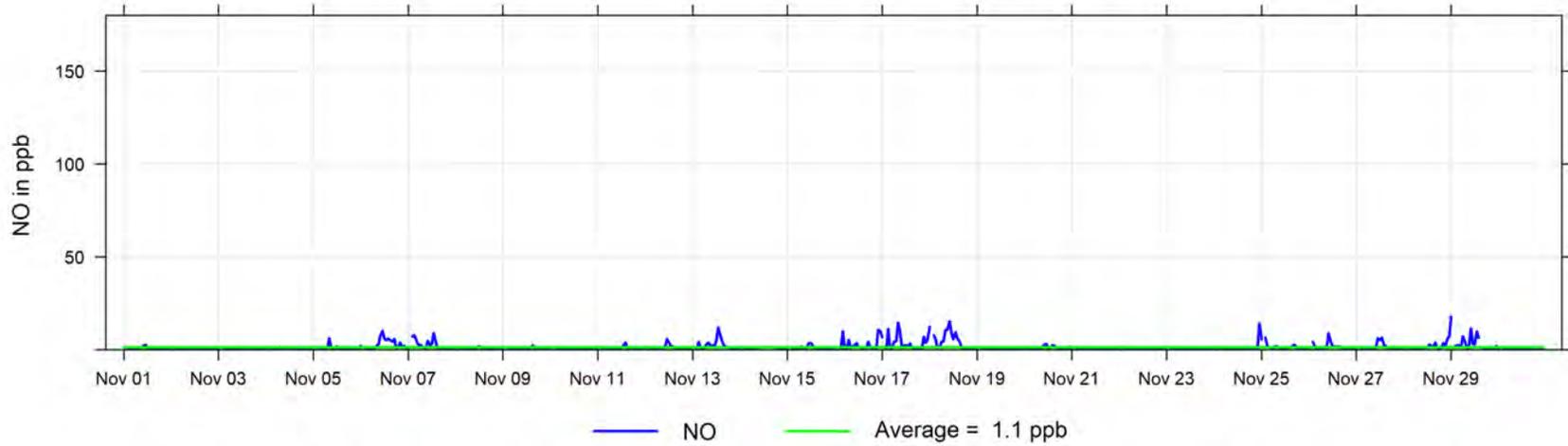
9 Milner Charts

The following pages include the charts and histograms for Milner Station

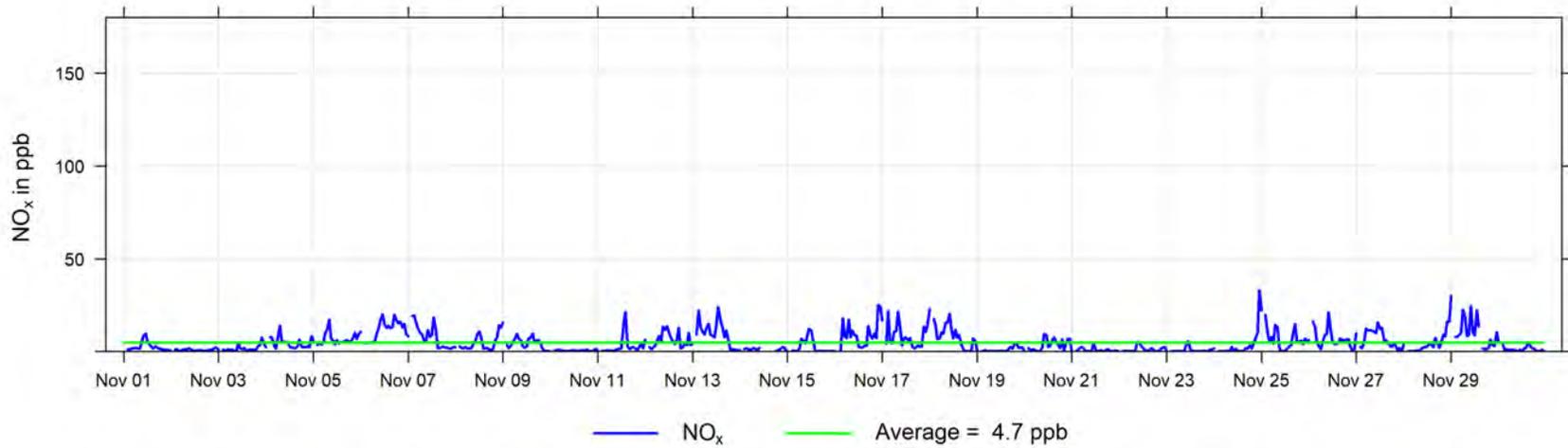
November 2025 Concentration Readings at Milner Station



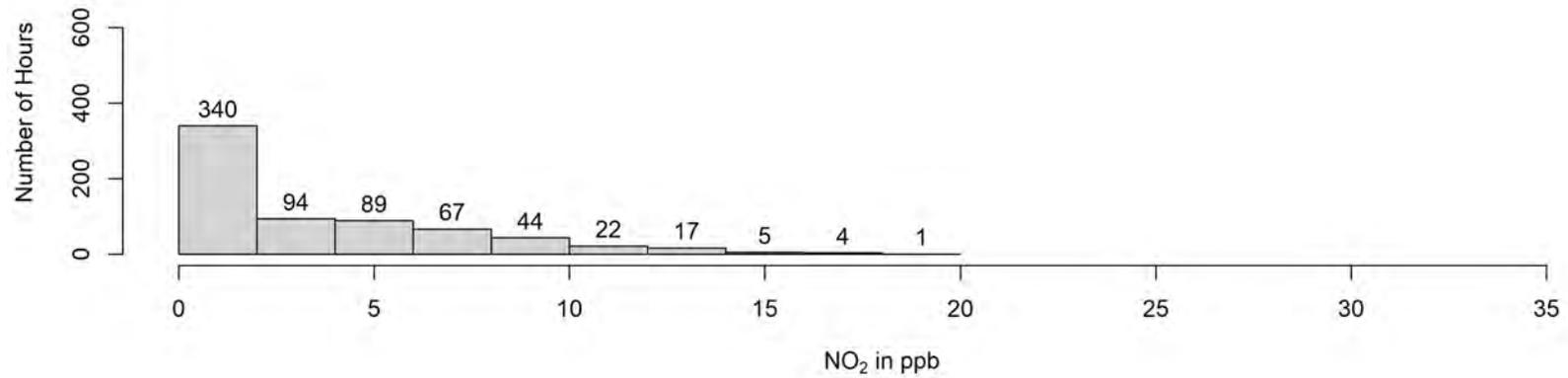
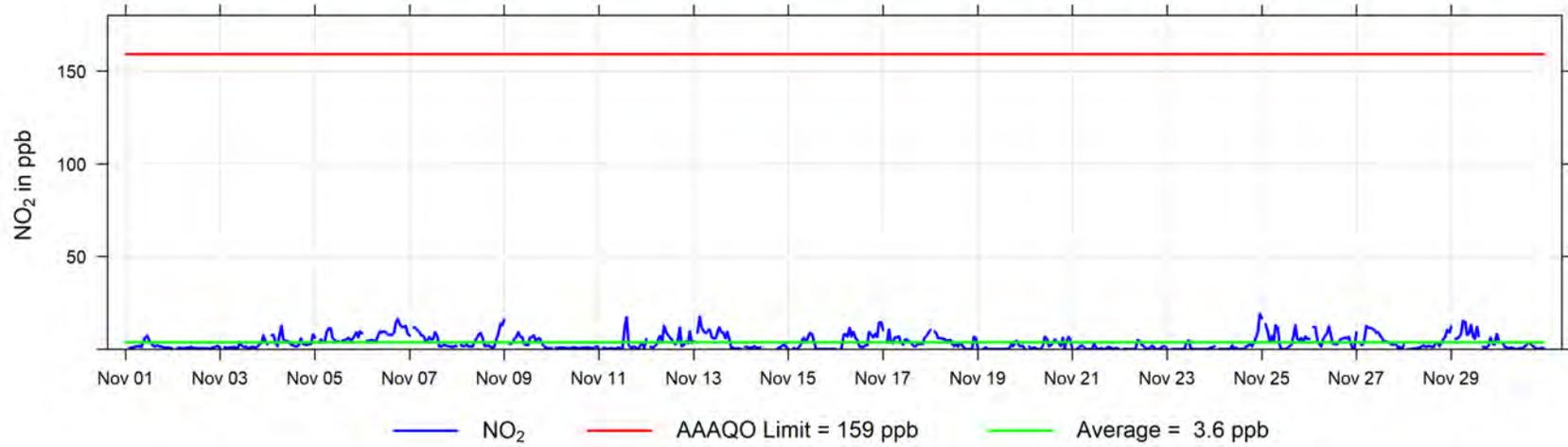
November 2025 Hourly Concentration Readings of NO (in ppb) at Milner



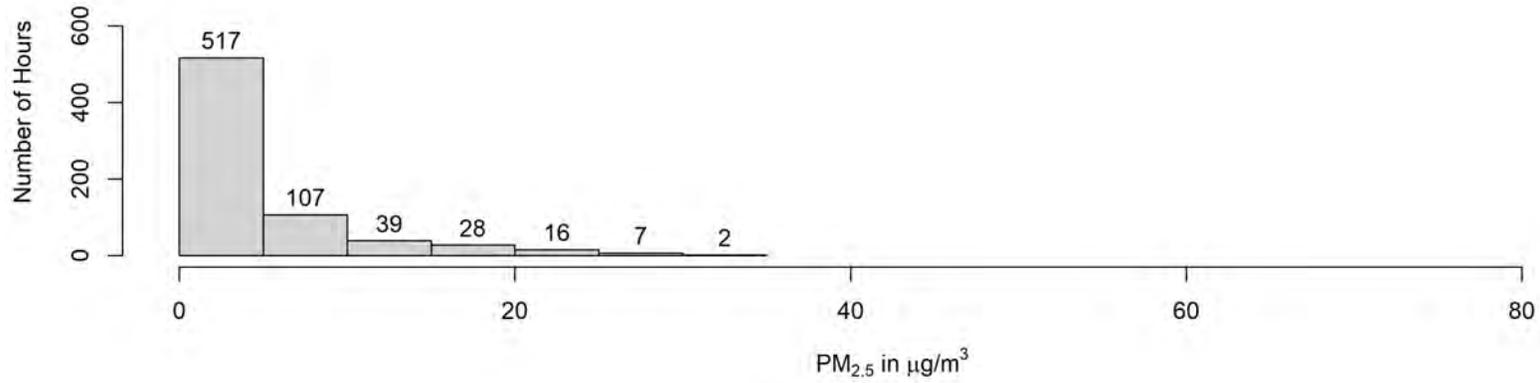
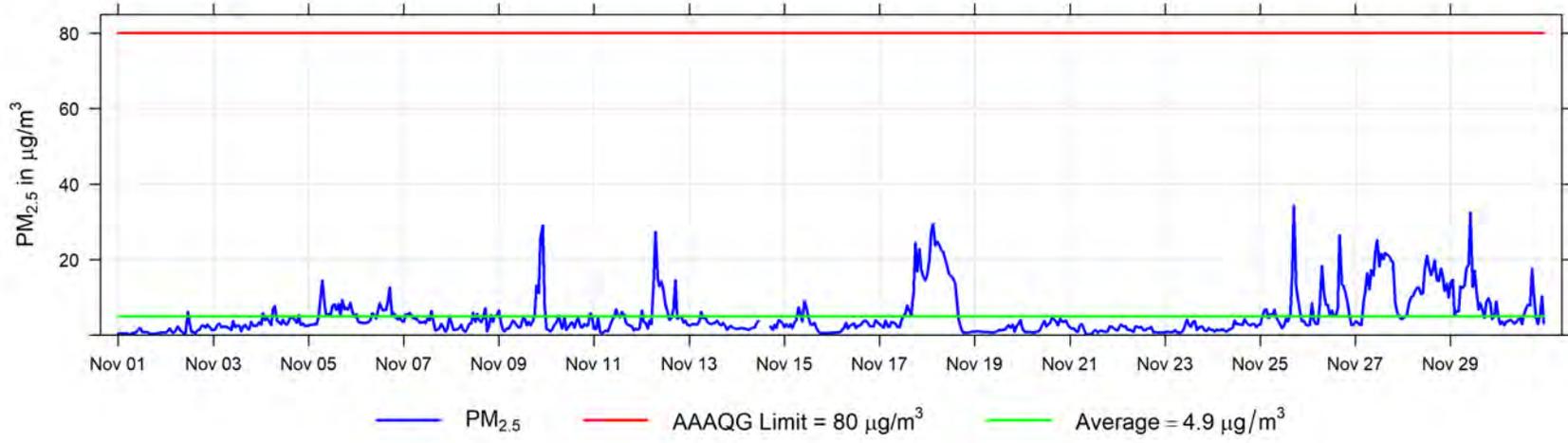
November 2025 Hourly Concentration Readings of NO_x (in ppb) at Milner



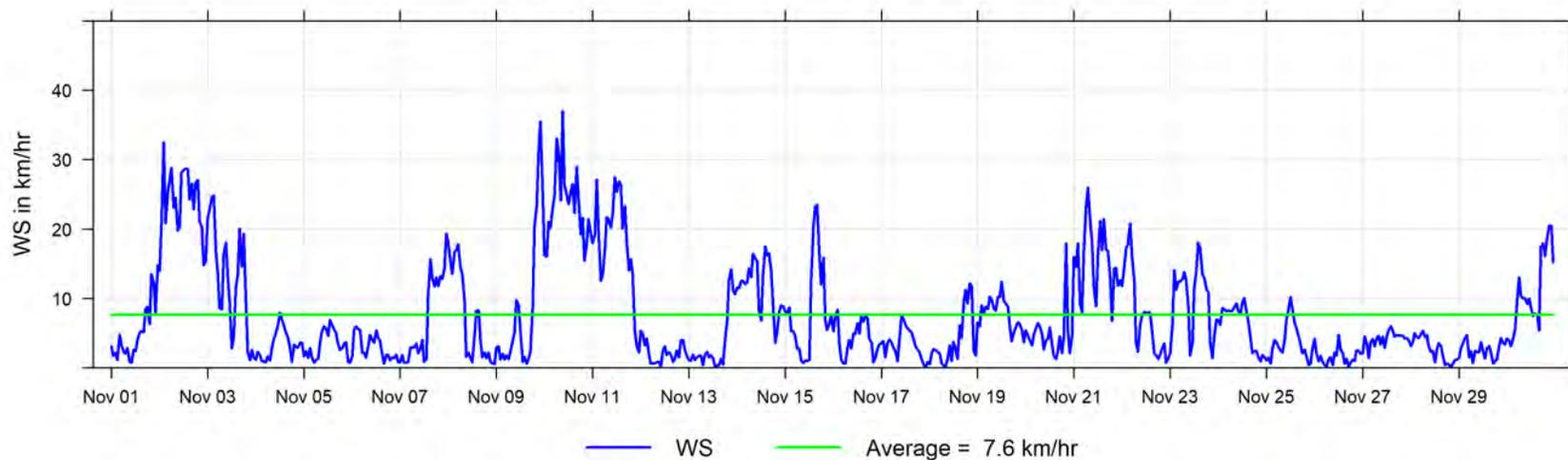
November 2025 Hourly Concentration Readings of NO₂ (in ppb) at Milner



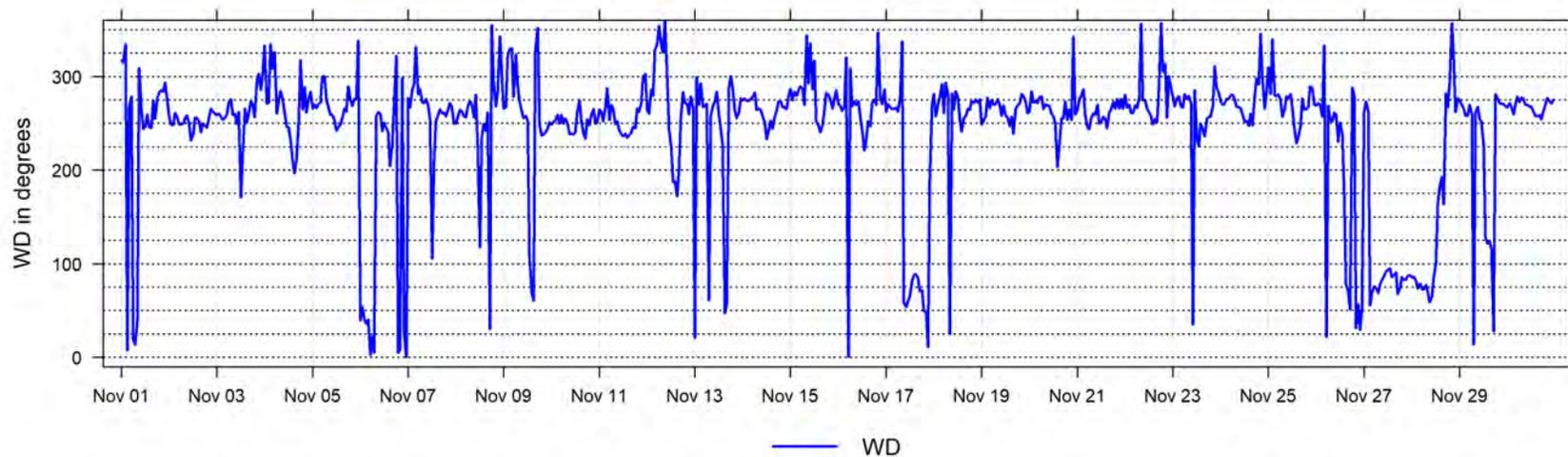
November 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Milner



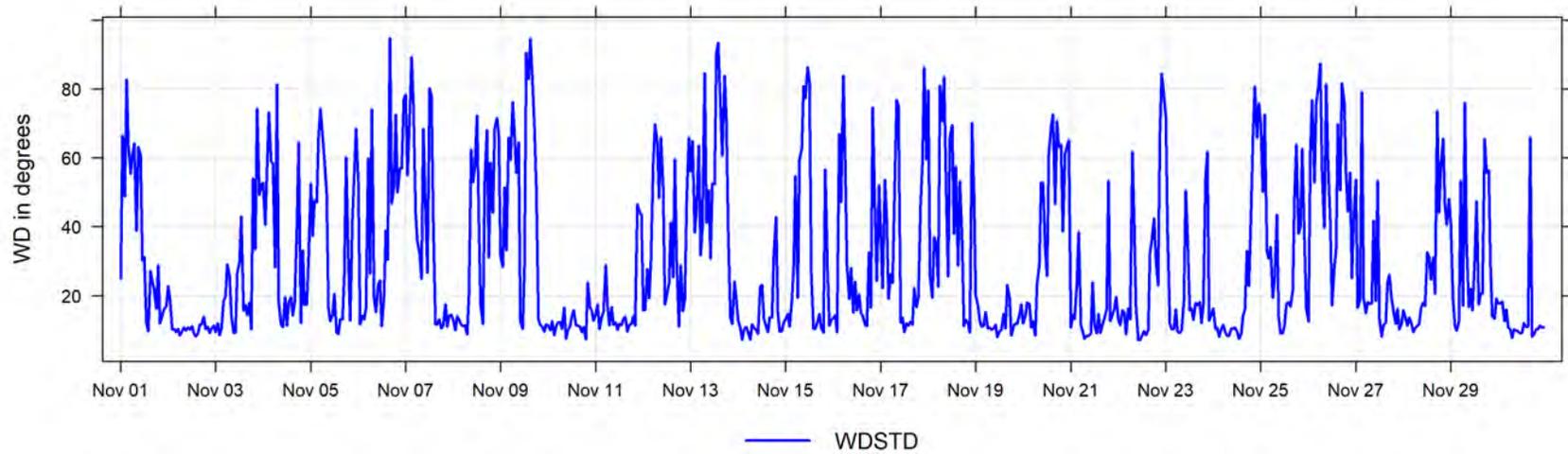
November 2025 Hourly Readings of Wind Speed (in km/hr) at Milner

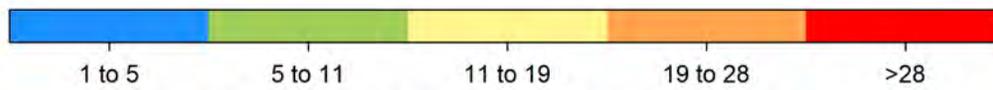
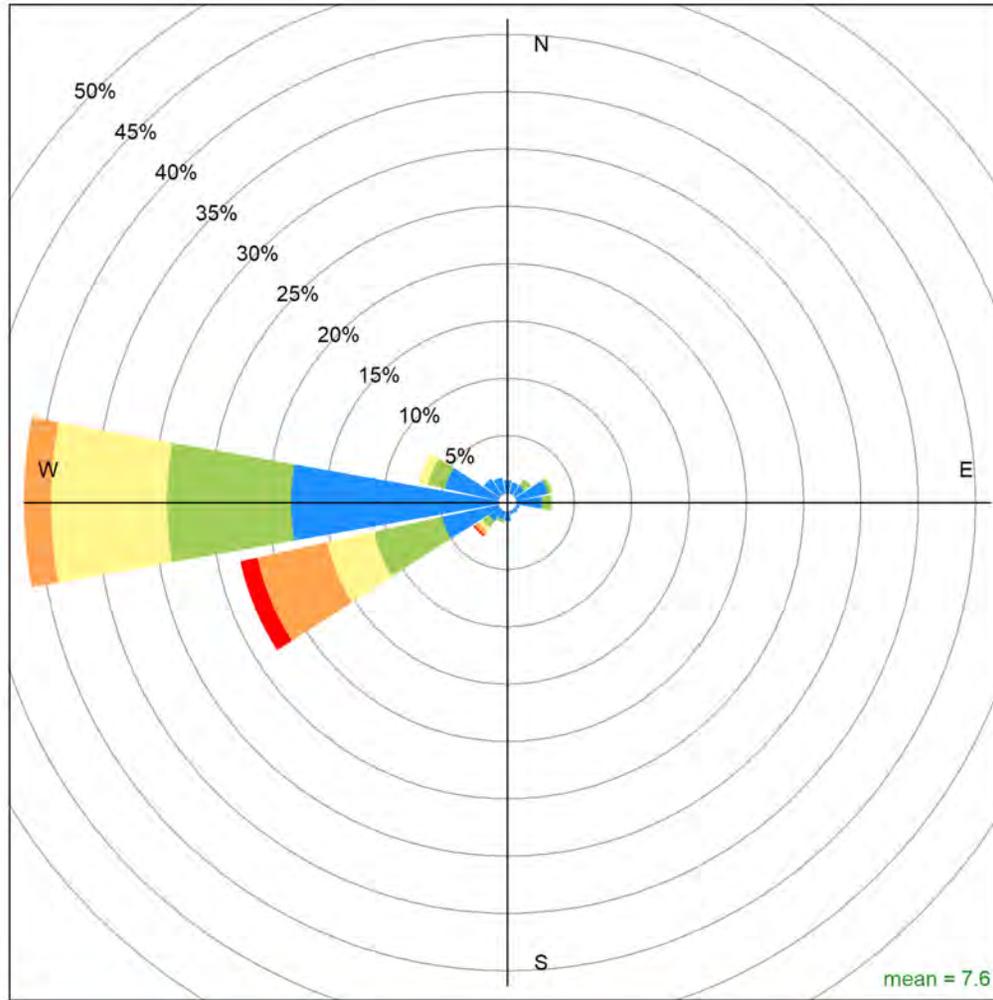


November 2025 Hourly Readings of Wind Direction (in degrees) at Milner



November 2025 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Milner





Milner November 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 10.1 %

10 Passive Monitoring Data

Peace Airshed Zone Association - PAZA Passive Stations for November 2025

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
Duplicates						
3a	Forth Creek					04-13-082-07 W6M
3b	Forth Creek					
5a	Boone Creek	1.7				01-23-076-11 W6M
5b	Boone Creek	0.5				
11a	Webber Creek			2.9		09-36-074-09 W6M
11b	Webber Creek			2.8		
16a	Beaverlodge	0.1				15-36-071-10 W6M
16b	Beaverlodge	0.4				
17a	Poplar			4.5		13-06-073-08 W6M
17b	Poplar			3.7		
19a	Wanham	0.0				16-22-077-03 W6M
19b	Wanham	0.1				
37a	Crooked Creek			2.4		16-01-071-26 W5M
37b	Crooked Creek			2.3		
39a	Clouston Creek	0.3				12-01-073-22 W5M
39b	Clouston Creek	0.0				
42a	Sunset House			1.4		05-32-070-19 W5M
42b	Sunset House			1.3		
47a	Kinuso		27.2			12-10-073-10 W5M
47b	Kinuso		25.3			
D2a	Duvernay 2				0.24	04-33-062-20 W5M
D2b	Duvernay 2				0.19	
K3a	Kakwa 3			5.4		12-18-063-04 W6M
K3b	Kakwa 3			5.1		
K1a	Kakwa 1	0.3				01-13-063-05 W6M
K1b	Kakwa 1	0.1				
K4a	Kakwa 4				0.11	06-18-063-04 W6M
K4b	Kakwa 4				0.06	
M9Aa	Milner Powerline			3.3		06-14-058-08 W6M
M9Ab	Milner Powerline			2.7		
M10a	Milner Pipeline	0.3				12-14-058-08 W6M
M10b	Milner Pipeline	0.5				
J1Da	Jayar1 Plant			4.0		06-08-062-03 W6M
J1Db	Jayar1 Plant			3.9		
J5Da	Jayar5 Camp	1.1				11-08-062-03 W6M
J5Db	Jayar5 Camp	1.4				
J2Da	Jayar2 14-8				0.17	07-08-062-03 W6M
J2Db	Jayar2 14-8				0.32	

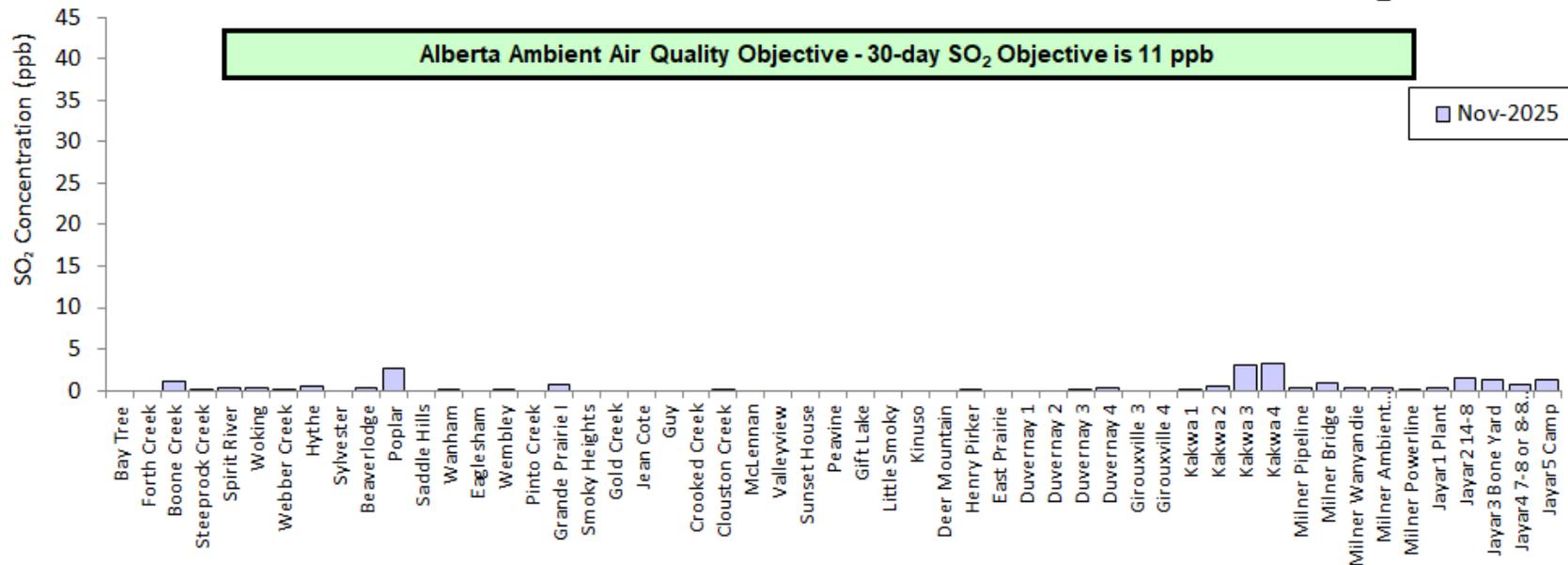
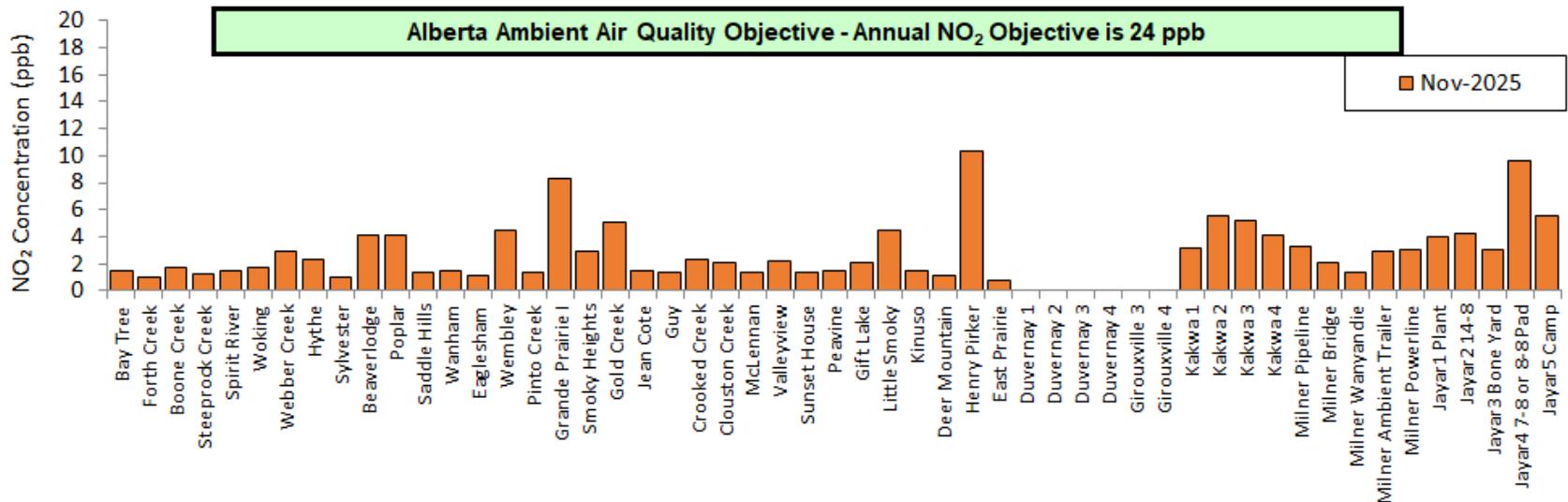
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
1	Silver Valley	0.0	-	1.6	-	08-27-081-11 W6M
2	Bay Tree	0.0	31.1	1.5	-	13-16-078-13 W6M
3	Forth Creek	0.0	-	1.0	-	04-13-082-07 W6M
5	Boone Creek	1.1	-	1.7	-	01-23-076-11 W6M
7	Steeprock Creek	0.0	-	1.3	-	09-35-072-13 W6M
9	Spirit River	0.3	-	1.5	-	08-12-079-07 W6M
10	Woking	0.2	-	1.8	-	01-13-076-07 W6M
11	Webber Creek	0.1	-	2.9	-	09-36-074-09 W6M
12	Hythe	0.6	-	2.3	-	14-36-072-11 W6M
14	Sylvester	0.0	-	1.0	-	08-06-069-12 W6M
16	Beaverlodge	0.2	-	4.1	-	15-36-071-10 W6M
17	Poplar	2.8	-	4.1	-	13-06-073-08 W6M
18	Saddle Hills	0.0	-	1.4	-	04-25-074-07 W6M
19	Wanham	0.1	-	1.5	-	16-22-077-03 W6M
21	Eaglesham	0.0	-	1.1	-	16-21-079-25 W5M
24	Wembley	0.0	-	4.5	-	12-31-070-08 W6M
25	Pinto Creek	0.0	-	1.4	-	04-24-069-11 W6M
27	Grande Prairie I	0.8	-	8.3	-	08-15-071-06 W6M
29	Smoky Heights	0.0	-	2.9	-	04-06-075-02 W6M
32	Gold Creek	0.0	-	5.1	-	06-33-067-05 W6M
35	Jean Cote	0.0	-	1.5	-	12-35-079-21 W5M
36	Guy	0.0	-	1.3	0.3	03-04-076-22 W5M
37	Crooked Creek	0.0	23.3	2.3	-	16-01-071-26 W5M
39	Clouston Creek	0.2	-	2.1	-	12-01-073-22 W5M
40	McLennan	0.0	-	1.4	-	03-29-077-19 W5M
41	Valleyview	0.0	-	2.2	-	09-30-069-22 W5M
42	Sunset House	0.0	-	1.4	-	05-32-070-19 W5M
44	Peavine	0.0	-	1.4	-	03-05-079-15 W5M
45	Gift Lake	0.0	-	2.1	-	10-07-079-12 W5M
46	Little Smoky	0.0	-	4.4	-	12-01-065-21 W5M
47	Kinuso	0.0	26.2	1.4	-	12-10-073-10 W5M
48	Deer Mountain	0.0	-	1.2	-	15-22-068-09 W5M
49	Henry Pirker	0.1	-	10.3	-	17-26-071-06 W6M
50	East Prairie	0.0	-	0.7	-	11-13-079-08 W6M
D1	Duvernay 1	0.0	-	-	0.10	04-33-062-20 W5M
D2	Duvernay 2	0.0	-	-	0.22	04-33-062-20 W5M
D3	Duvernay 3	0.2	-	-	0.19	04-33-062-20 W5M
D4	Duvernay 4	0.4	-	-	0.15	04-33-062-20 W5M
G3	Girouxville 3	-	-	-	0.47	14-02-077-23 W5M
G4	Girouxville 4	-	-	-	0.17	04-08-077-22 W5M
K1	Kakwa 1	0.2	-	3.2	0.04	01-13-063-05 W6M
K2	Kakwa 2	0.5	-	5.5	0.06	08-13-063-05 W6M
K3	Kakwa 3	3.0	-	5.3	0.17	12-18-063-04 W6M
K4	Kakwa 4	3.2	-	4.1	0.09	06-18-063-04 W6M
M1	Milner Pipeline	0.4	-	3.3	-	12-14-058-08 W6M
M2	Milner Bridge	0.9	-	2.1	-	08-06-057-08 W6M
M3	Milner Wanyandie	0.3	-	1.4	-	11-13-058-08 W6M
M4	Milner Ambient Trailer	0.3	-	2.9	-	09-15-058-08 W6M
M5	Milner Powerline	0.1	-	3.0	-	06-14-058-08 W6M
J1	Jayar1 Plant	0.3	-	4.0	0.08	06-08-062-03 W6M
J2	Jayar2 14-8	1.5	-	4.2	0.25	07-08-062-03 W6M
J3	Jayar3 Bone Yard	1.4	-	3.0	0.32	14-08-062-03 W6M
J4	Jayar4 7-8 or 8-8 Pad	0.7	-	9.6	0.09	10-08-062-03 W6M
J5	Jayar5 Camp	1.3	-	5.6	0.48	11-08-062-03 W6M

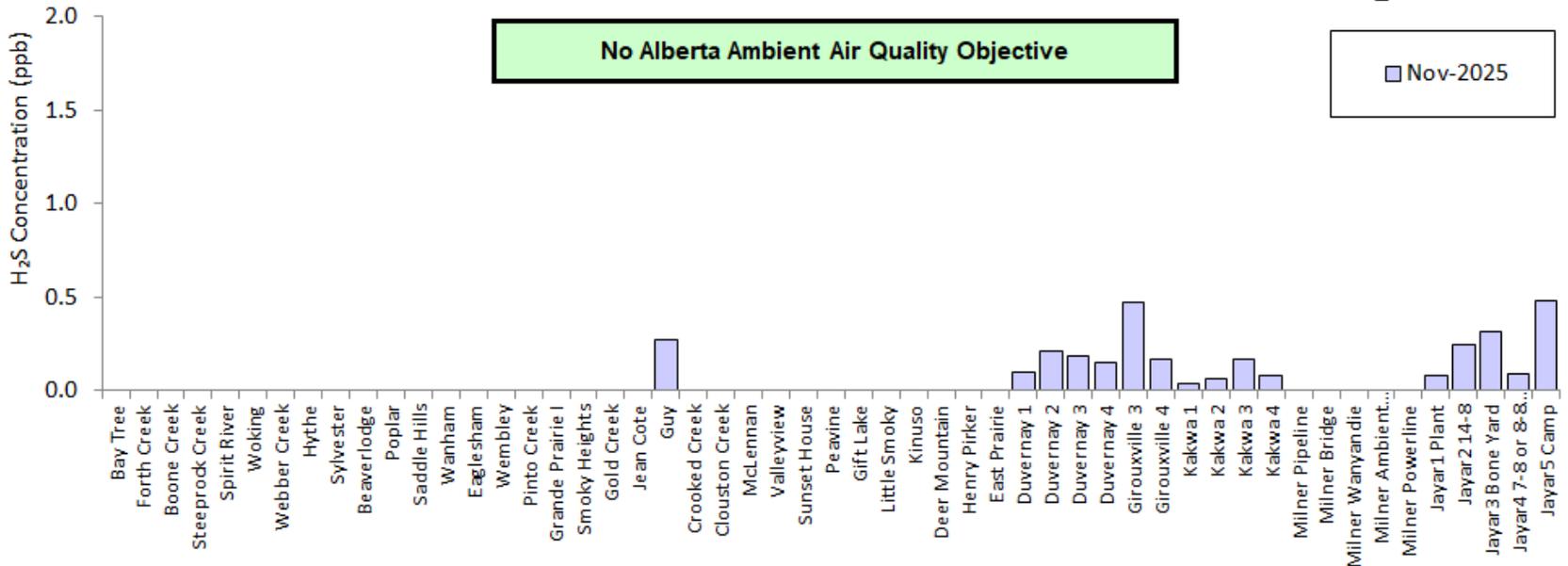
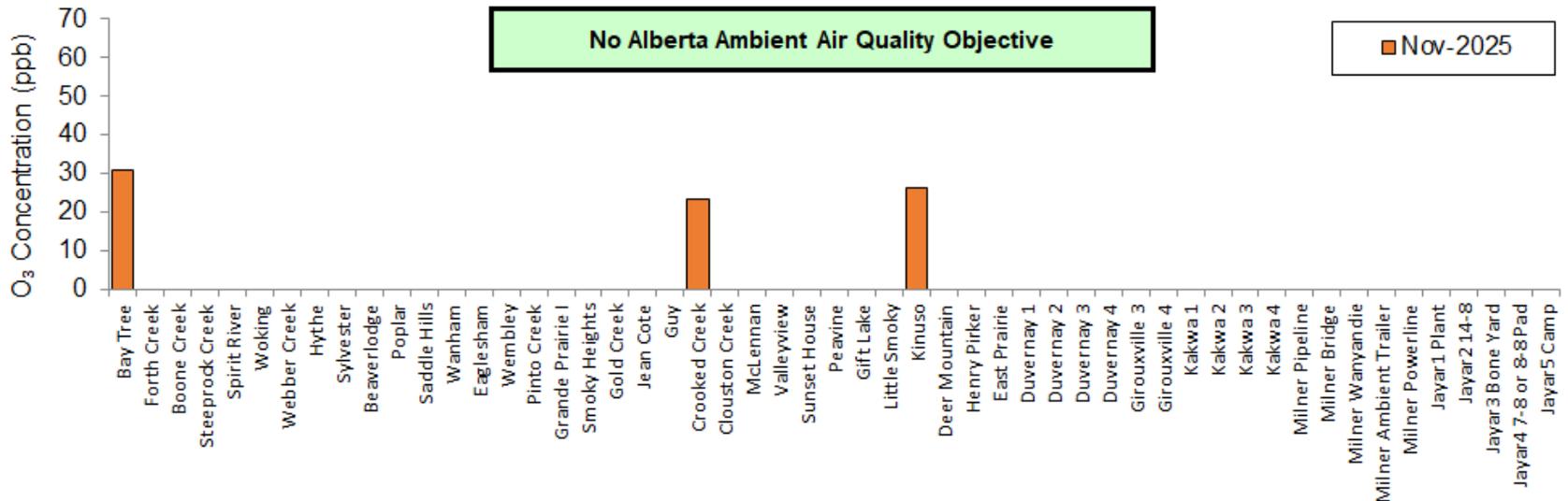
Passive Summary for November 2025

Stats	Sulphur Dioxide SO ₂ ppb	Ozone O ₃ ppb	Nitrogen Dioxide NO ₂ ppb	Hydrogen Sulphide H ₂ S ppb
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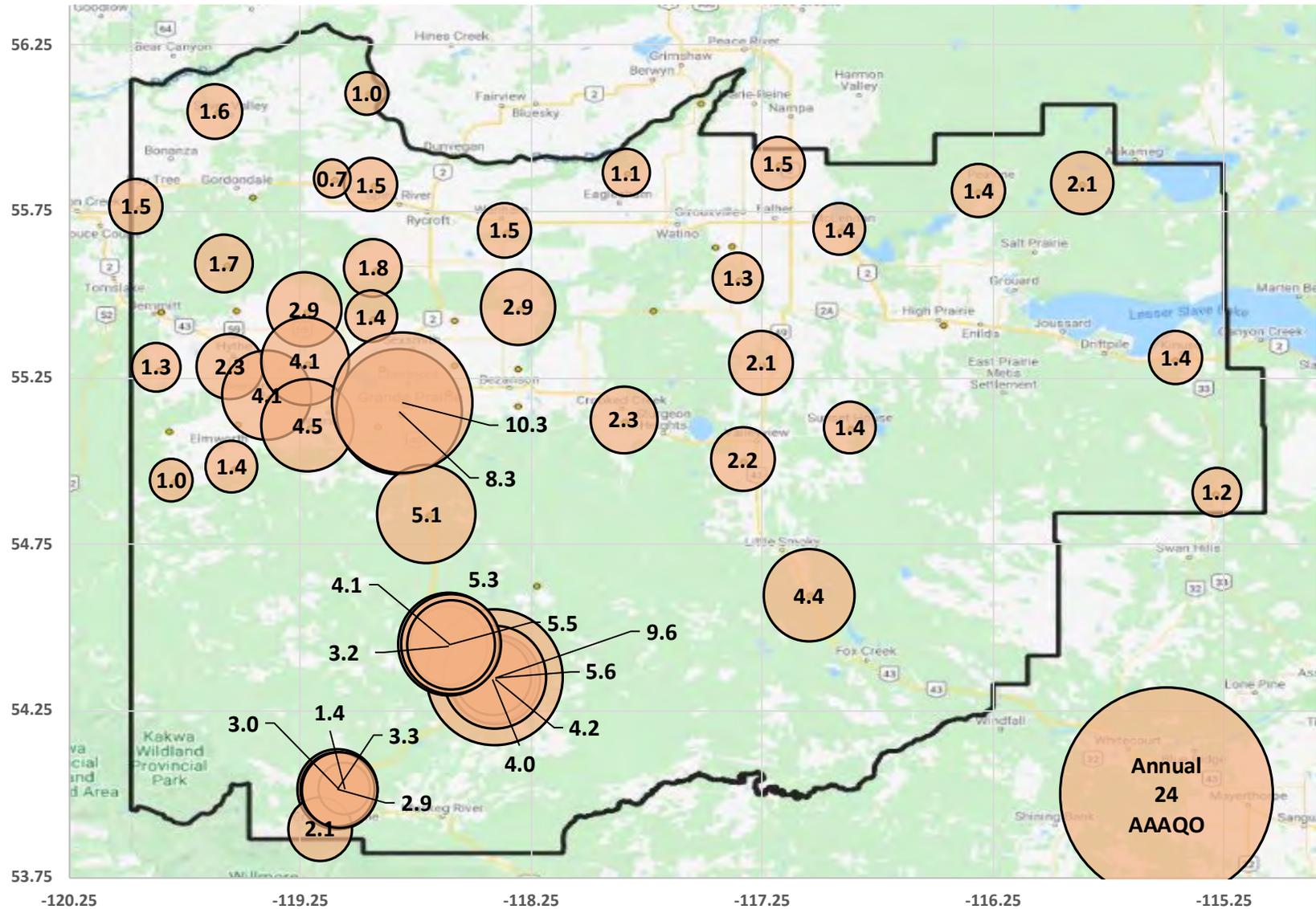
Passive Summary for November 2025 (PAZA)				
Mean	0.4	26.9	3.0	0.2
Standard Deviation	0.8	3.9	2.2	0.1
Minimum	0.0	23.3	0.7	0.0
Maximum	Silver Valley (#1) 3.2 Kakwa 4 (#K4)	Crooked Creek (#37) 31.1 Bay Tree (#2)	East Prairie (#50) 10.3 Henry Pirker (#49)	Kakwa 1 (#K1) 0.5 Jayar5 Camp (#J5)

Continuous and Passive Monitoring Comparison				
PAZA Beaverlodge Station	0.8	20.6	5.4	-
Beaverlodge Passive (#16)	0.2	-	4.1	-
PAZA Henry Pirker Station	0.3	16.2	11.5	0.2
Henry Pirker passive (#49)	0.1	-	10.3	-
Milner Station	-	-	3.6	-
Milner passive	0.3	-	2.9	-

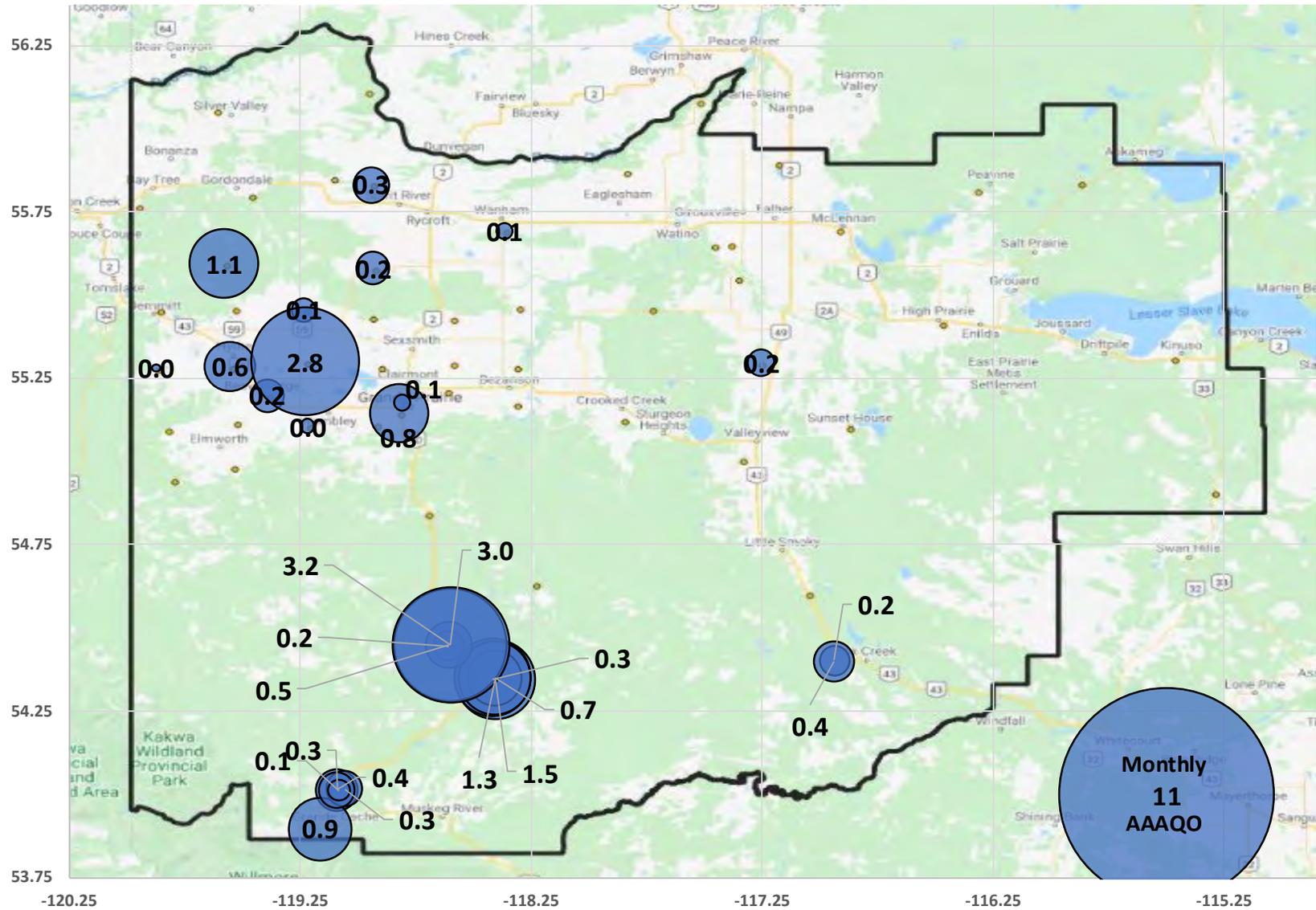




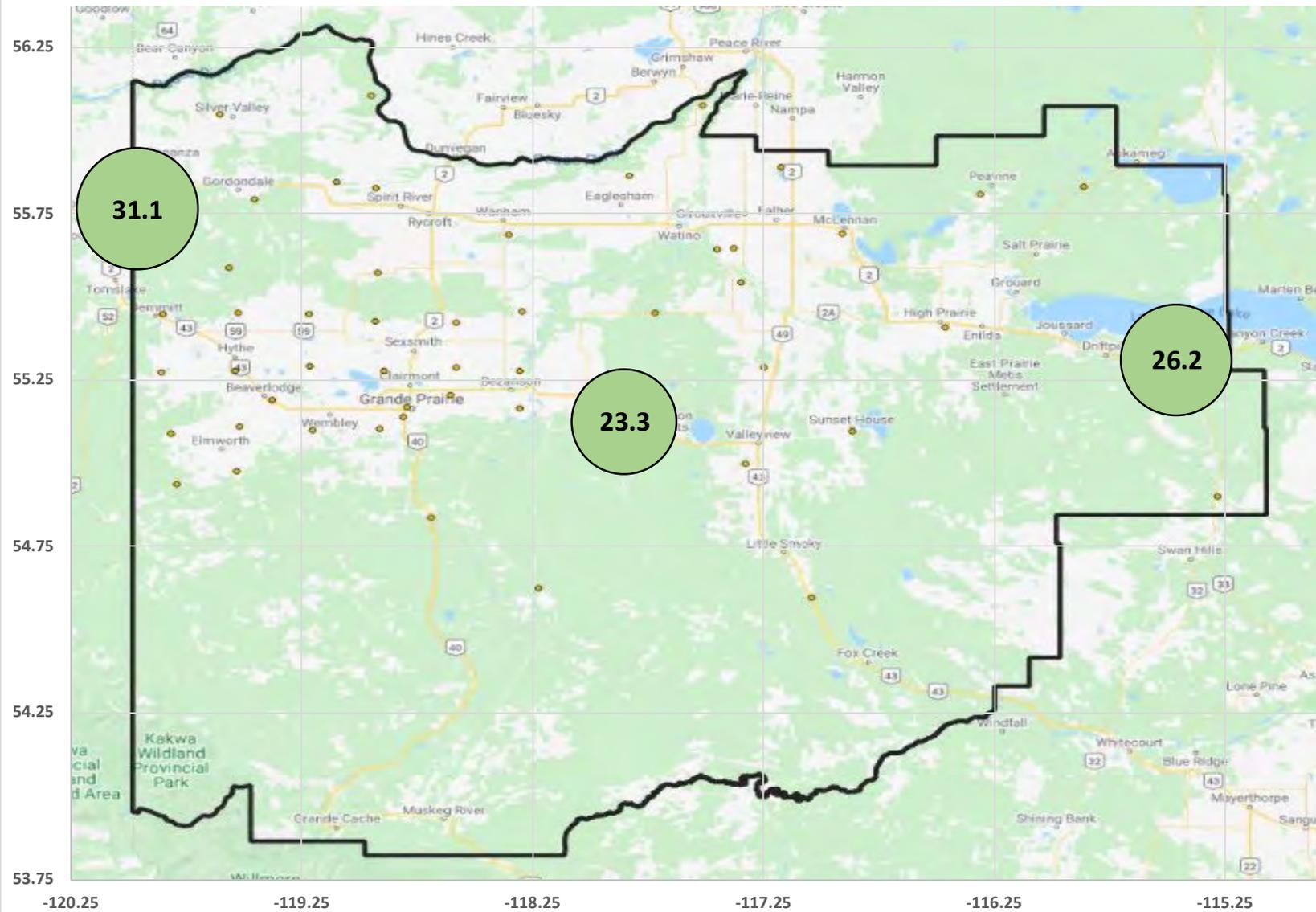
NO₂ Monthly Average (units in ppb)



SO₂ Monthly Average (units in ppb)



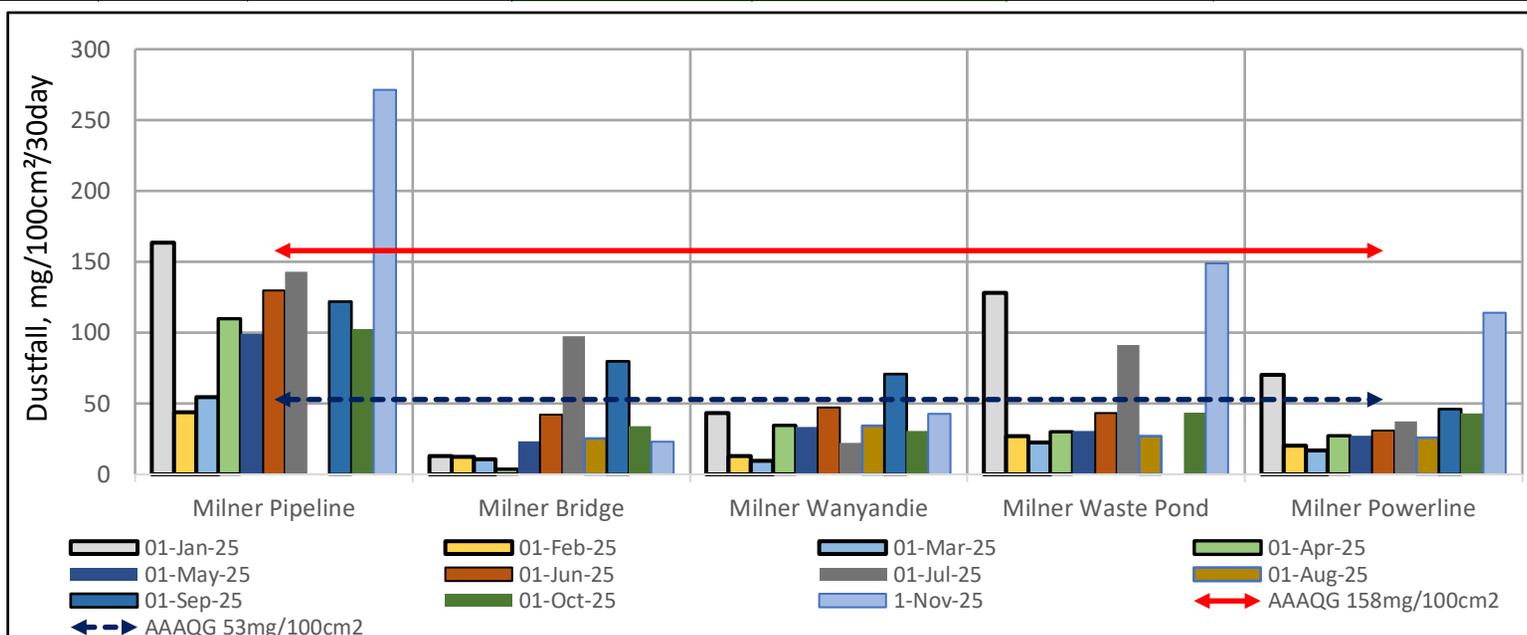
O₃ Monthly Average (units in ppb)



11 Dustfall Monitoring Data

Milner Dustfall Samples November 2025

Exposure Month	Year	Sample	Total Dustfall (30 day) mg/100cm ² /30day	Fixed Dustfall (30 day) mg/100cm ² /30day	Exposure days	Field Notes
November	2025	Milner Pipeline	271.3	75.6	29	reference #448799
November	2025	Milner Bridge	22.7	7.6	29	
November	2025	Milner Wanyandie	42.8	10.9	29	
November	2025	Milner Waste Pond	148.7	33.6	29	
November	2025	Milner Powerline	114.2	36.1	29	
November	2025	Milner Powerline Dup	84.0	8.4	29	RPD, 30% / 124%



End of Report



Peace Airshed Zone Association

Ambient Air Monitoring Report

November 2025