



# **Peace Airshed Zone Association**

## **Ambient Air Monitoring Network Summary**

**Ambient Air Quality Monitoring Program**

**Monthly Report**

**March 2026**

April 30, 2026

**Alberta Environment and Protected Areas**

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

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

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

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

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Program Manager  
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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 March 2026 were submitted to the ETS data system.

**Table A. PAZA members with Facility Operating Approvals**

<b>Company</b>	<b>Facility</b>	<b>LSD</b>	<b>EPEA Approval No.</b>
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 no readings above the AAAQO or AAAQG

### **Operational times less than 90 percent**

All equipment operated above 90% for the month

### **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 issues with limited access at Shaftesbury (due to roads not plowed) samples were deployed in February and will be picked up in May.
- The Girouxville 3 was now open, so the February to April sample was collected

There were 19 duplicates sampled in the month of March:

- Eight SO<sub>2</sub> duplicates located at Steeprock Creek, Spirit River, Eaglesham, Guy, Duvernay 2, Kakwa 2, Milner Pipeline, Jayar2 14-8
  - RPD ranging from 0% to 14% (no fails)
  - Duplicate sample at Milner Pipeline were both <0.1ppb
- One O<sub>3</sub> duplicate at Crooked Creek
  - RPD of 6% (no fail)
- Six NO<sub>2</sub> duplicates at Boone Creek, Hythe, Deer Mountain, Kakwa 1, Milner Wanyandie, Jayar5 Camp
  - RPD ranging from 0% to 61% (one fail, Boone Creek, 0.3 and 0.5ppb)
  - Duplicate sample at Shaftesbury was not collected due to road conditions
- Four H<sub>2</sub>S duplicates at Duvernay 2, Girouxville 3, Kakwa 3, Jayar4 7-8 or 8-8 Pad
  - RPD ranging from 0% to 15% (no fails)
  - Duplicate at Jayar 4 were both <0.02ppb

### **Dustfall Monitoring**

- Five Stations collected Total Dustfall and Fixed Dustfall
- Total dustfall ranged from 32.3 to 154.2 mg/100cm<sup>2</sup>/30day
- RPD was 35 to 75% (one fail, fixed dustfall of 16.2 and 7.4 for readings)

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.



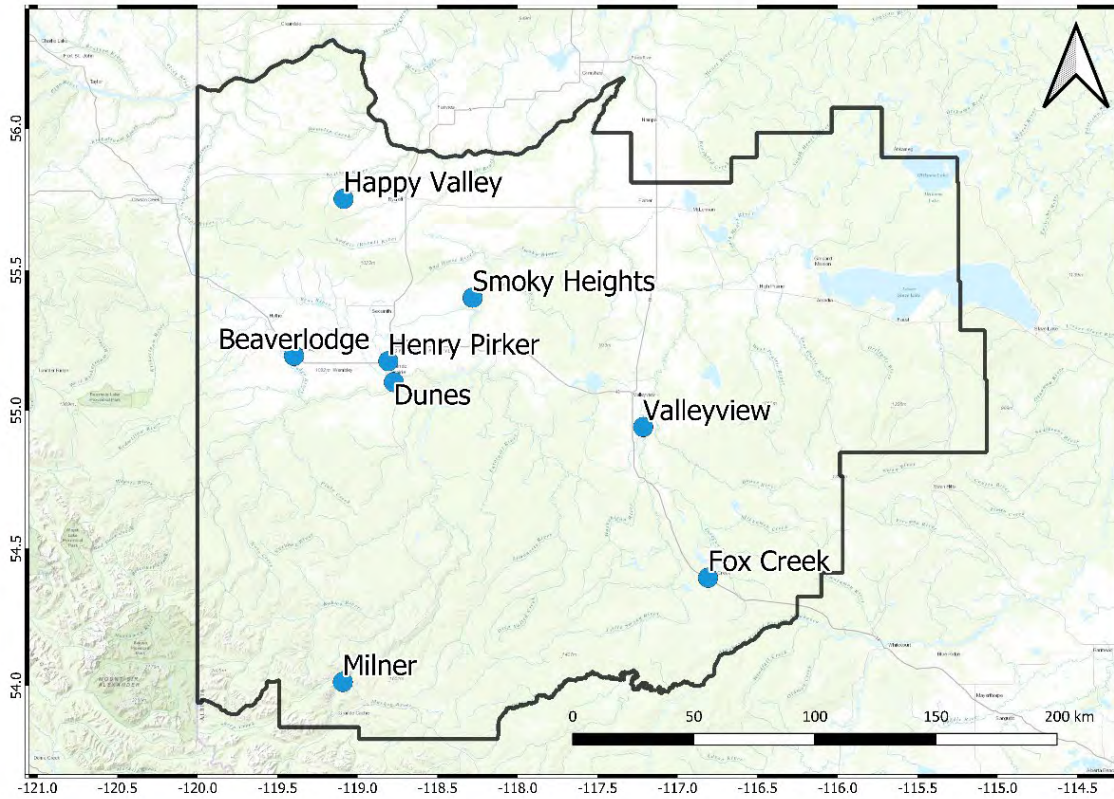
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Mandeep Dhaliwal, B.Sc., P.Chem.  
Program Manager

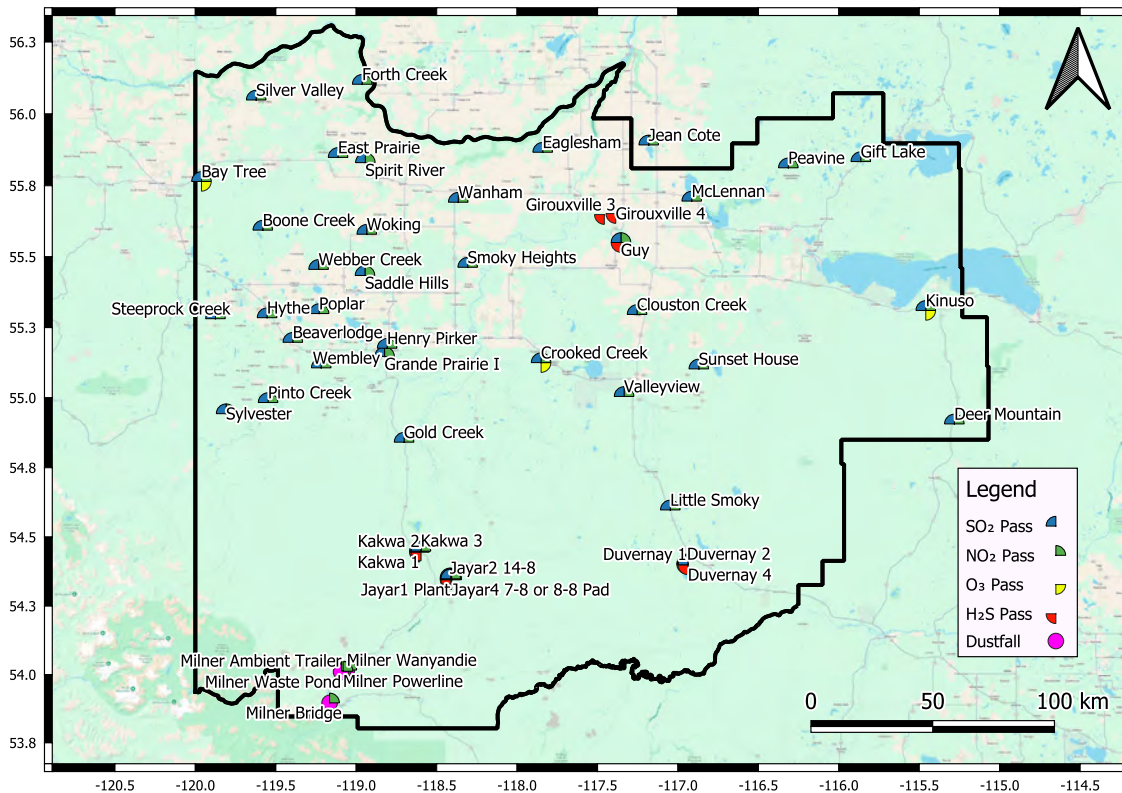
## TABLE OF CONTENTS

1	MARCH 2026 MONTHLY STATION SUMMARIES .....	2
1.1	Beaverlodge Air Monitoring Station .....	2
1.2	Dunes Air Monitoring Station .....	2
1.3	Grande Prairie - Henry Pirker Air Monitoring Station.....	3
1.4	Smoky Heights Air Monitoring Station .....	3
1.5	Valleyview Air Monitoring Station .....	4
1.6	Fox Creek Air Monitoring Station .....	4
1.7	Happy Valley Air Monitoring Station .....	5
1.8	Milner Air Monitoring Station.....	5
2	BEAVERLODGE CHARTS.....	6
3	DUNES CHARTS .....	16
4	GRANDE PRAIRIE - HENRY PIRKER CHARTS.....	25
5	SMOKY HEIGHTS CHARTS.....	39
6	VALLEYVIEW CHARTS .....	47
7	FOX CREEK CHARTS .....	54
8	HAPPY VALLEY (PORTABLE) CHARTS.....	64
9	MILNER CHARTS .....	77
10	PASSIVE MONITORING DATA.....	84
11	DUSTFALL MONITORING DATA.....	93
12	END OF REPORT .....	94

## PAZA Continuous Monitoring Station Locations



## PAZA Passive Monitoring Station Locations



# 1 March 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 - March 2026 Beaverlodge Station Report

Parameter	March				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)	1.4	0.0	94.9%	99.7%	20.9	-	Mar-13 10:00	4.5	-	Mar-18	-	-	-	-	Mar 11, 2026	
NO <sub>2</sub> (ppb)	4.7	0.5	94.9%	99.7%	28.5	159	Mar-04 20:00	13.9	-	Mar-04	0	-	-	-	Mar 11, 2026	
NO <sub>x</sub> (ppb)	6.1	0.5	94.9%	99.7%	40.7	-	Mar-14 09:00	17.6	-	Mar-04	-	-	-	-	Mar 11, 2026	
O <sub>3</sub> (ppb)	30.3	2.9	95.3%	100.0%	48.6	76	Mar-21 17:00	42.9	-	Mar-08	0	-	-	-	Mar 11, 2026	
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	3.1	0.0	99.7%	100.0%	15.4	80	Mar-14 15:00	6.3	29	Mar-14	0	-	0	-	Mar 10, 2026	
SO <sub>2</sub> (ppb)	1.4	0.0	95.2%	99.7%	45.1	172	Mar-14 16:00	7.0	48	Mar-14	0	-	0	0	Mar 10, 2026	
	<b>Average</b>	<b>Minimum</b>	<b>Valid</b>	<b>Operational</b>	<b>Maximum</b>											
Temp (°C)	-6.9	-23.0	100.0%	100.0%	8.6	<div style="border: 1px solid black; padding: 5px;"> <b>Note:</b> Valid hours must be greater than 75%                      Operational hours must be greater than 90%                 </div>										
RH (%)	70.2	31.3	100.0%	100.0%	99.6											
WS (km/hr)	10.7	0.0	100.0%	100.0%	49.0											
WD (deg)	277	0.5	100.0%	100.0%	359.7	Average Wind Direction		277	W							

**Update Summary:**

Parameter	Make	Model	Equipment summary
NO/NO <sub>2</sub> /NO <sub>x</sub>	Thermo	42iQ	Mar 8 & 15, AIC span failed, manual span run later in day to verify ok (2hrs removed)
O <sub>3</sub>	Thermo	49iQ	No operational issues noted during the month
PM <sub>2.5</sub>	API	T640	No operational issues noted during the month; no readings above AAAQG or AAAQO
SO <sub>2</sub>	Thermo	43i-TLE	Mar 14, spike of SO <sub>2</sub> was cut off (2hrs data missing), tail fell off over several hours
Met Equip	MetOne	50.5	No operational issues noted during the month

## 1.2 Dunes Air Monitoring Station

PAZA - March 2026 Dunes Station Report

Parameter	March				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 <sub>2.5</sub> (µg/m <sup>3</sup> )	2.1	0.0	99.6%	100.0%	19.3	80	Mar-04 15:00	8.4	29	Mar-04	0	-	0	-	Mar-04-2026	
SO <sub>2</sub> (ppb)	0.3	0.0	95.3%	99.9%	8.4	172	Mar-28 05:00	1.6	48	Mar-28	0	-	0	0	Mar-04-2026	
TRS (ppb)	0.5	0.0	95.2%	99.9%	2.6	5	Mar-16 19:00	0.8	3	Mar-18	0	-	0	-	Mar-04-2026	
	<b>Average</b>	<b>Minimum</b>	<b>Valid</b>	<b>Operational</b>	<b>Maximum</b>											
Temp (°C)	-7.2	-28.7	100.0%	100.0%	11.7	<div style="border: 1px solid black; padding: 5px;"> <b>Note:</b> Valid hours must be greater than 75%                      Operational hours must be greater than 90%                 </div>										
RH (%)	65.8	19.6	100.0%	100.0%	99.9											
WS (km/hr)	4.6	0.1	100.0%	100.0%	16.2											
WD (deg)	341	0.1	100.0%	100.0%	359.6	Average Wind Direction		341	NNW							

**Update Summary:**

Parameter	Make	Model	Equipment summary
PM <sub>2.5</sub>	Thermo	SHARP 5030	No Operational issues noted during the month
SO <sub>2</sub>	Thermo	43i	Mar 27 span failed, manual span run to verify, also failed (1hr), it was determined that the perm tube was spent; Mar 28-Apr 1 span failed
TRS	Thermo	43i	Mar 27 manual span run to verify SO <sub>2</sub> (1hr)
Met Equip	Gil/RMYoung	MetPak/RMY86004	No Operational issues noted during the month

### 1.3 Grande Prairie - Henry Pirker Air Monitoring Station

PAZA - March 2026 Henry Pirker Station Report

Parameter	March				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)	4.2	0.0	95.0%	100.0%	82.3	-	Mar-31 08:00	22.0	-	Mar-10	-	-	-	-	Mar 05, 2026																																		
NO <sub>2</sub> (ppb)	10.5	1.1	95.0%	100.0%	52.2	159	Mar-01 00:00	26.2	-	Mar-10	0	-	-	-	Mar 05, 2026																																		
NO <sub>x</sub> (ppb)	14.9	1.1	95.0%	100.0%	129.9	-	Mar-01 00:00	48.4	-	Mar-10	-	-	-	-	Mar 05, 2026																																		
O <sub>3</sub> (ppb)	24.7	0.0	95.3%	100.0%	47.9	76	Mar-08 04:00	42.4	-	Mar-08	0	-	-	-	Mar 05, 2026																																		
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	4.0	0.1	99.7%	100.0%	24.7	80	Mar-05 00:00	8.0	29	Mar-10	0	-	0	-	Mar 13, 2026																																		
SO <sub>2</sub> (ppb)	0.3	0.0	95.3%	100.0%	9.5	172	Mar-28 07:00	2.5	48	Mar-28	0	-	0	0	Mar 05, 2026																																		
H <sub>2</sub> S (ppb)	0.1	0.0	95.3%	100.0%	1.0	10	Mar-01 00:00	0.4	3	Mar-10	0	-	0	-	Mar 13, 2026																																		
CH <sub>4</sub> (ppm)	2.1	1.9	95.3%	100.0%	3.3	-	Mar-01 00:00	2.3	-	Mar-05	-	-	-	-	Mar 06, 2026																																		
THC (ppm)	2.1	1.9	95.3%	100.0%	3.5	-	Mar-13 10:00	2.3	-	Mar-05	-	-	-	-	Mar 06, 2026																																		
NMHC (ppm)	0.0	0.0	95.3%	100.0%	1.3	-	Mar-13 10:00	0.1	-	Mar-13	-	-	-	-	Mar 06, 2026																																		
CO (ppm)	0.2	0.1	95.3%	100.0%	0.9	13	Mar-01 00:00	0.3	5	Mar-10	0	0	-	-	Mar 06, 2026																																		
<table border="1"> <thead> <tr> <th>Average</th> <th>Minimum</th> <th>Valid</th> <th>Operational</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>Temp (°C)</td> <td>-6.7</td> <td>-26.8</td> <td>100.0%</td> <td>100.0%</td> <td>11.7</td> </tr> <tr> <td>RH (%)</td> <td>60.9</td> <td>29.3</td> <td>100.0%</td> <td>100.0%</td> <td>85.2</td> </tr> <tr> <td>SR (W/m<sup>2</sup>)</td> <td>110.7</td> <td>0.0</td> <td>100.0%</td> <td>100.0%</td> <td>721.3</td> </tr> <tr> <td>WS (km/hr)</td> <td>6.4</td> <td>0.2</td> <td>100.0%</td> <td>100.0%</td> <td>36.9</td> </tr> <tr> <td>WD (deg)</td> <td>301</td> <td>1.9</td> <td>100.0%</td> <td>100.0%</td> <td>359.7</td> </tr> </tbody> </table>															Average	Minimum	Valid	Operational	Maximum	Temp (°C)	-6.7	-26.8	100.0%	100.0%	11.7	RH (%)	60.9	29.3	100.0%	100.0%	85.2	SR (W/m <sup>2</sup> )	110.7	0.0	100.0%	100.0%	721.3	WS (km/hr)	6.4	0.2	100.0%	100.0%	36.9	WD (deg)	301	1.9	100.0%	100.0%	359.7
Average	Minimum	Valid	Operational	Maximum																																													
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**Update Summary:**

Parameter	Make	Model	Equipment summary
NO/NO <sub>2</sub> /NO <sub>x</sub>	Thermo	42i	No operational issues noted during the month
O <sub>3</sub>	TECO	49i	No operational issues noted during the month
PM <sub>2.5</sub>	API	T640	No operational issues noted during the month
SO <sub>2</sub>	Thermo	43i-TLE	No operational issues noted during the month
H <sub>2</sub> S	TEI	450i	No operational issues noted during the month
THC/CH <sub>4</sub> /NMHC	TEI	55i	No operational issues noted during the month
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 - March 2026 Smoky Heights Station Report

Parameter	March				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 <sub>2.5</sub> (µg/m <sup>3</sup> )	2.6	0.0	95.8%	96.5%	14.3	80	Mar-11 11:00	6.9	29	Mar-30	0	-	0	-	Mar 11, 2026																						
SO <sub>2</sub> (ppb)	0.4	0.0	91.7%	96.5%	13.4	172	Mar-07 13:00	1.7	48	Mar-31	0	-	0	0	Mar 11, 2026																						
TRS (ppb)	0.2	0.0	91.7%	96.4%	0.7	5	Mar-18 19:30	0.3	3	Mar-18	0	-	0	-	Mar 11, 2026																						
<table border="1"> <thead> <tr> <th>Average</th> <th>Minimum</th> <th>Valid</th> <th>Operational</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>Temp (°C)</td> <td>-8.8</td> <td>-23.5</td> <td>96.5%</td> <td>96.5%</td> <td>5.7</td> </tr> <tr> <td>WS (km/hr)</td> <td>10.6</td> <td>0.3</td> <td>96.5%</td> <td>96.5%</td> <td>46.1</td> </tr> <tr> <td>WD (deg)</td> <td>318</td> <td>0.1</td> <td>96.5%</td> <td>96.5%</td> <td>359.3</td> </tr> </tbody> </table>															Average	Minimum	Valid	Operational	Maximum	Temp (°C)	-8.8	-23.5	96.5%	96.5%	5.7	WS (km/hr)	10.6	0.3	96.5%	96.5%	46.1	WD (deg)	318	0.1	96.5%	96.5%	359.3
Average	Minimum	Valid	Operational	Maximum																																	
Temp (°C)	-8.8	-23.5	96.5%	96.5%	5.7																																
WS (km/hr)	10.6	0.3	96.5%	96.5%	46.1																																
WD (deg)	318	0.1	96.5%	96.5%	359.3																																
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**Update Summary:**

Parameter	Make	Model	Equipment summary
PM <sub>2.5</sub>	Sharp	5030	Mar 10-11, communication failed due to UPS failure, reset and performed calibrations on site (26hrs)
SO <sub>2</sub>	TECO	43i	Mar 10-11, communication failed due to UPS failure, reset and performed calibrations on site (26hrs)
TRS	TEI	43i APSAA	Mar 10-11, communication failed due to UPS failure, reset and performed calibrations on site (27hrs), No 30min readings above the AAAQG
Met Equip	MetOne	50.5	Mar 10-11, communication failed due to UPS failure, reset and performed calibrations on site (26hrs)

## 1.5 Valleyview Air Monitoring Station

PAZA - March 2026 Valleyview Station Report

Parameter	March					1-hour			24-hour			Exceedance				Calibration Date
	Average	Minimum	Valid	Operational	Maximum	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
SO <sub>2</sub> (ppb)	0.1	0.0	95.3%	100.0%	1.1	172	Mar-08 11:00	0.4	48	Mar-25	0	-	0	0	Mar 26, 2026	
H <sub>2</sub> S (ppb)	0.1	0.0	95.3%	100.0%	0.5	10	Mar-13 04:00	0.2	3	Mar-13	0	-	0	-	Mar 26, 2026	
	<b>Average</b>	<b>Minimum</b>	<b>Valid</b>	<b>Operational</b>	<b>Maximum</b>											
Temp (°C)	-6.8	-31.6	100.0%	100.0%	10.0	<div style="border: 1px solid black; padding: 5px;"> <b>Note:</b> Valid hours must be greater than 75%                      Operational hours must be greater than 90%                 </div>										
RH (%)	73.1	28.3	100.0%	100.0%	99.7											
WS (km/hr)	4.8	0.1	100.0%	100.0%	20.1											
WD (deg)	317	0.1	100.0%	100.0%	360.0	<div style="border: 1px solid black; padding: 2px;"> <b>Average Wind Direction</b>      317      NW                 </div>										

**Update Summary:**

Parameter	Make	Model	Equipment summary
SO <sub>2</sub>	TEI	43i-APSCB	No operational issues noted during the month
H <sub>2</sub> 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 - March 2026 Fox Creek Station Report

Parameter	March					1-hour			8-hour / 24-hour			Exceedance				Calibration Date
	Average	Minimum	Valid	Operational	Maximum	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d		
NO (ppb)	7.1	0.0	92.1%	96.8%	82.4	-	Mar-19 09:00	23.6	-	Mar-18	-	-	-	-	Mar 18, 2026	
NO <sub>2</sub> (ppb)	8.7	0.0	92.1%	96.8%	51.0	159	Mar-06 18:00	15.2	-	Mar-04	0	-	-	-	Mar 18, 2026	
NO <sub>x</sub> (ppb)	16.1	0.2	92.1%	96.8%	117.9	-	Mar-06 18:00	37.3	-	Mar-18	-	-	-	-	Mar 18, 2026	
O <sub>3</sub> (ppb)	25.3	0.1	92.3%	96.8%	45.5	76	Mar-22 14:00	38.6	-	Mar-08	0	-	-	-	Mar 18, 2026	
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	3.4	0.1	96.6%	96.8%	12.0	80	Mar-12 11:00	6.4	29	Mar-04	0	-	0	-	Mar 19, 2026	
SO <sub>2</sub> (ppb)	0.3	0.0	92.2%	96.8%	2.6	172	Mar-31 09:00	0.9	48	Mar-31	0	-	0	0	Mar 19, 2026	
H <sub>2</sub> S (ppb)	0.1	0.0	92.2%	96.8%	0.6	10	Mar-06 18:00	0.3	3	Mar-15	0	-	0	-	Mar 19, 2026	
	<b>Average</b>	<b>Minimum</b>	<b>Valid</b>	<b>Operational</b>	<b>Maximum</b>											
Temp (°C)	-5.5	-26.3	96.8%	96.8%	11.7	<div style="border: 1px solid black; padding: 5px;"> <b>Note:</b> Valid hours must be greater than 75%                      Operational hours must be greater than 90%                 </div>										Sep 17, 2025
WS (km/hr)	6.5	0.2	96.8%	96.8%	30.8											Sep 17, 2025
WD (deg)	242	0.8	96.8%	96.8%	359.8	<div style="border: 1px solid black; padding: 2px;"> <b>Average Wind Direction</b>      242      WSW                 </div>										Sep 17, 2025

**Update Summary:**

Parameter	Make	Model	Equipment summary
NO/NO <sub>2</sub> /NO <sub>x</sub>	Thermo	42IQ	Mar 16-17, loss of data at station (24hrs removed); Mar 18, AIC span ok, zero removed, calibration performed no issues noted
O <sub>3</sub>	TECO	49i	Mar 16-17, loss of data at station (24hrs removed); Mar 18, calibration performed, no issues noted
PM <sub>2.5</sub>	API	T640	Mar 16-17, loss of data at station (24hrs removed); Mar 19, calibration performed, no issues noted
SO <sub>2</sub>	TEI	43I-TLE	Mar 16-17, loss of data at station (24hrs removed); Mar 18, calibration performed, no issues noted
H <sub>2</sub> S	TEI	450i	Mar 16-17, loss of data at station (24hrs removed); Mar 19, calibration performed, no issues noted
Met Equip	MetOne	50.5	Mar 16-17, loss of data at station (24hrs removed)

## 1.7 Happy Valley Air Monitoring Station

### PAZA - March 2026 Happy Valley Station Report

Parameter	March			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)	0.5	0.0	94.9%	99.7%	11.2	-	Mar-15 07:00	1.6	-	Mar-26	-	-	-	-	Mar 16, 2026
NO <sub>2</sub> (ppb)	1.9	0.4	94.9%	99.7%	20.2	159	Mar-15 07:00	4.9	-	Mar-15	0	-	-	-	Mar 16, 2026
NO <sub>x</sub> (ppb)	2.4	0.4	94.9%	99.7%	31.7	-	Mar-15 07:00	6.3	-	Mar-15	-	-	-	-	Mar 16, 2026
O <sub>3</sub> (ppb)	30.7	7.6	95.0%	99.7%	49.4	76	Mar-19 14:00	43.0	-	Mar-20	0	-	-	-	Mar 16, 2026
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	2.7	0.0	99.9%	100.0%	8.6	80	Mar-10 17:00	5.2	29	Mar-18	0	-	0	-	Mar 16, 2026
SO <sub>2</sub> (ppb)	0.5	0.0	95.0%	99.7%	13.7	172	Mar-15 02:00	3.0	48	Mar-15	0	-	0	0	Mar 16, 2026
TRS (ppb)	0.4	0.1	95.0%	99.7%	3.3	5	Mar-14 04:00	0.5	-	Mar-28	0	-	-	-	Mar 09, 2026
CH <sub>4</sub> (ppm)	2.1	2.0	94.8%	99.2%	2.4	-	Mar-25 23:00	2.1	-	Mar-14	-	-	-	-	Mar 09, 2026
THC (ppm)	2.1	2.0	94.8%	99.2%	2.4	-	Mar-29 11:00	2.2	-	Mar-14	-	-	-	-	Mar 09, 2026
NMHC (ppm)	0.0	0.0	94.8%	99.2%	0.2	-	Mar-05 16:00	0.0	-	Mar-05	-	-	-	-	Mar 09, 2026
	<b>Average</b>	<b>Minimum</b>	<b>Valid</b>	<b>Operational</b>	<b>Maximum</b>										
Temp (°C)	-10.4	-25.9	100.0%	100.0%	5.9										
WS (km/hr)	13.0	0.4	100.0%	100.0%	56.2										
WD (deg)	257	1.3	100.0%	100.0%	352.8										
										<b>Note:</b> Valid hours must be greater than 75% Operational hours must be greater than 90%					
										Average Wind Direction		257 WSW			

#### Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO <sub>2</sub> /NO <sub>x</sub>	TEI	42i	Mar 7, manual span performed to verify THC analyzer (2hrs)
O <sub>3</sub>	TEI	49I	Mar 7, manual span performed to verify THC analyzer (2hrs)
PM <sub>2.5</sub>	API	T640	No operational issues noted during the month
SO <sub>2</sub>	TEI	43I	Mar 7, manual span performed to verify THC analyzer (2hrs)
TRS	TEI	43I	Mar 7, manual span performed to verify THC analyzer (2hrs)
THC/CH <sub>4</sub> /NMHC	TEI	55i	Mar 7, spans dropped with NMHC span failed, manual check performed, also failed (2hrs); suspected power glitch put NMHC out of spec, left over weekend to stabilize with calibration scheduled on Monday, Mar 9; Mar 8 span recovered more and Mar 9 full recovery (no additional data removed) also changed the nitrogen and hydrogen gas cylinders; Mar 16, cleaning T640 with can of compressed air resulted in contamination entering THC analyzer, manual AIC performed to verify ok (3hrs removed); Mar 17, span failed, all data appeared valid appears as artifact from calibration of other equipment on Mar 16 (1hr)
Met Equip	MetOne	50.5	No operational issues noted during the month

## 1.8 Milner Air Monitoring Station

### PAZA - March 2026 Milner Station Report

Parameter	March			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)	0.9	0.0	95.2%	100.0%	27.4	-	Mar-13 09:00	3.7	-	Mar-13	-	-	-	-	Mar 30, 2026
NO <sub>2</sub> (ppb)	2.8	0.0	95.2%	100.0%	27.3	159	Mar-15 07:00	10.6	-	Mar-15	0	-	-	-	Mar 30, 2026
NO <sub>x</sub> (ppb)	3.9	0.0	95.2%	100.0%	49.2	-	Mar-10 09:00	14.0	-	Mar-15	-	-	-	-	Mar 30, 2026
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	2.5	0.1	99.7%	100.0%	19.9	80	Mar-15 07:00	6.8	29	Mar-15	0	-	0	-	Mar 30, 2026
	<b>Average</b>	<b>Minimum</b>	<b>Valid</b>	<b>Operational</b>	<b>Maximum</b>										
WS (km/hr)	9.1	0.0	100.0%	100.0%	34.5										
WD (deg)	254	0.3	100.0%	100.0%	358.5										
										<b>Note:</b> Valid hours must be greater than 75% Operational hours must be greater than 90%					
										Average Wind Direction		254 WSW			

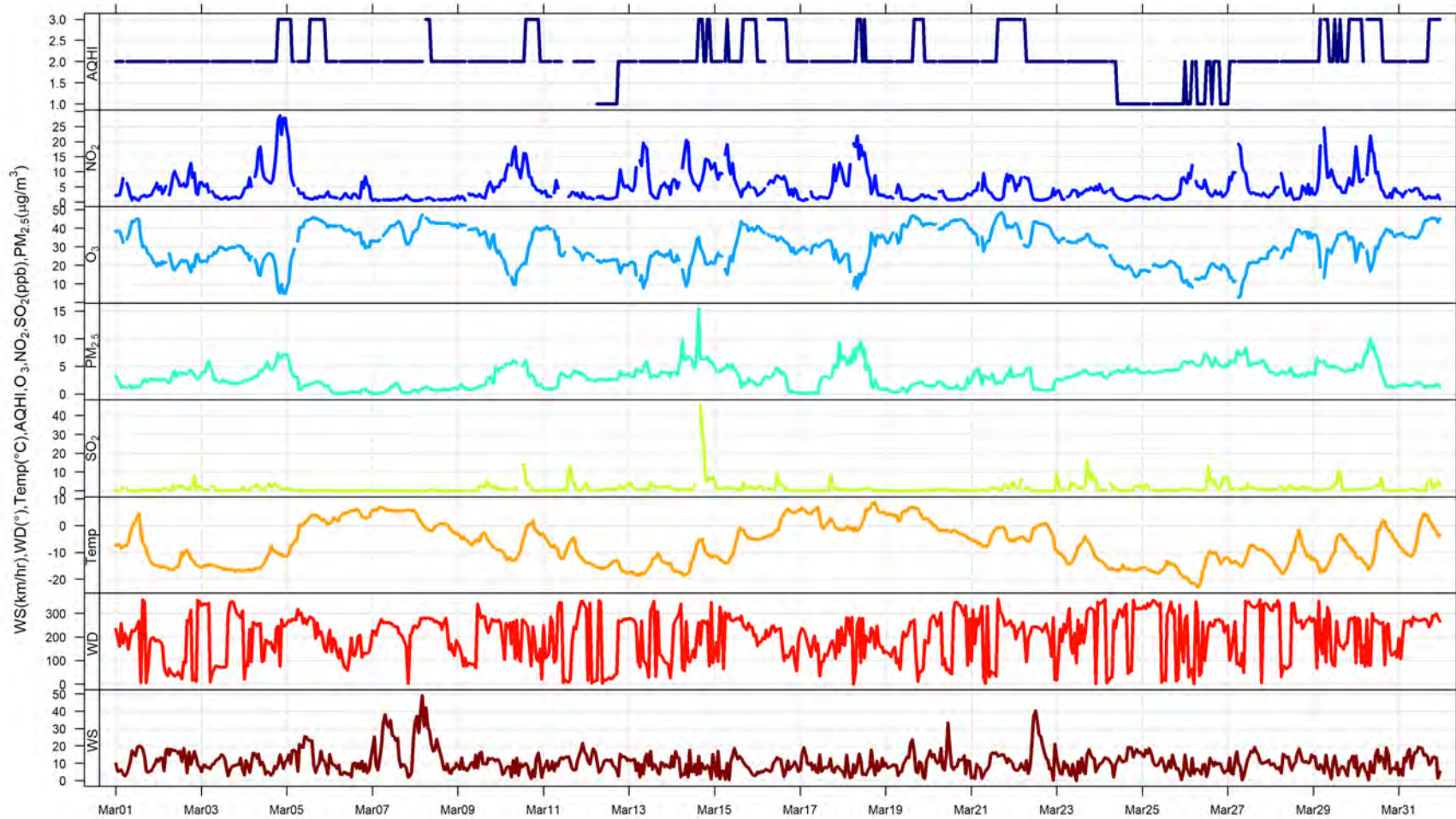
#### Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO <sub>2</sub> /NO <sub>x</sub>	Thermo	42i	No operational issues noted during the month
PM <sub>2.5</sub>	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

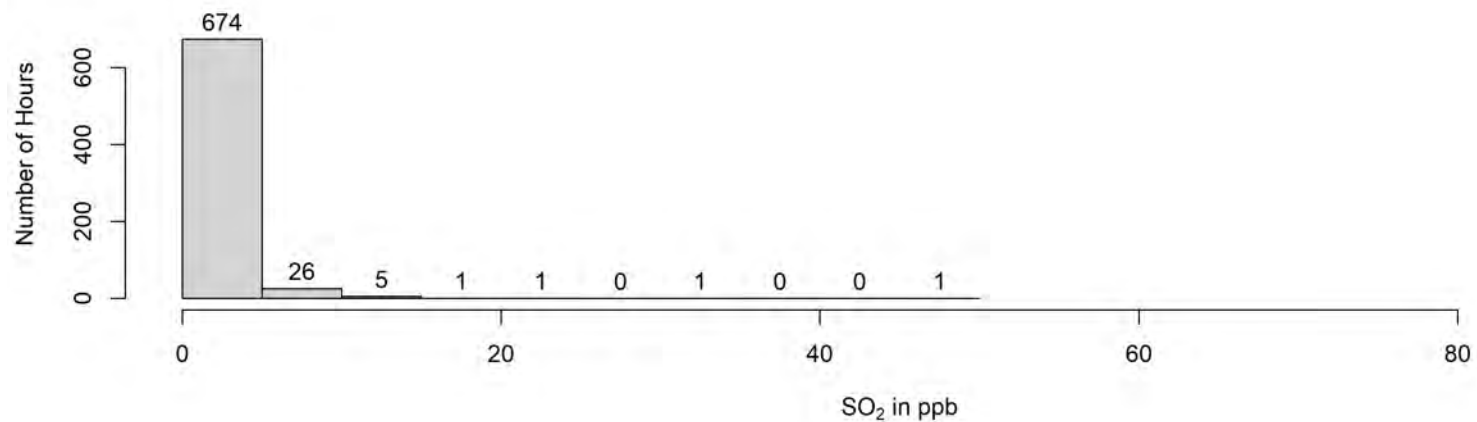
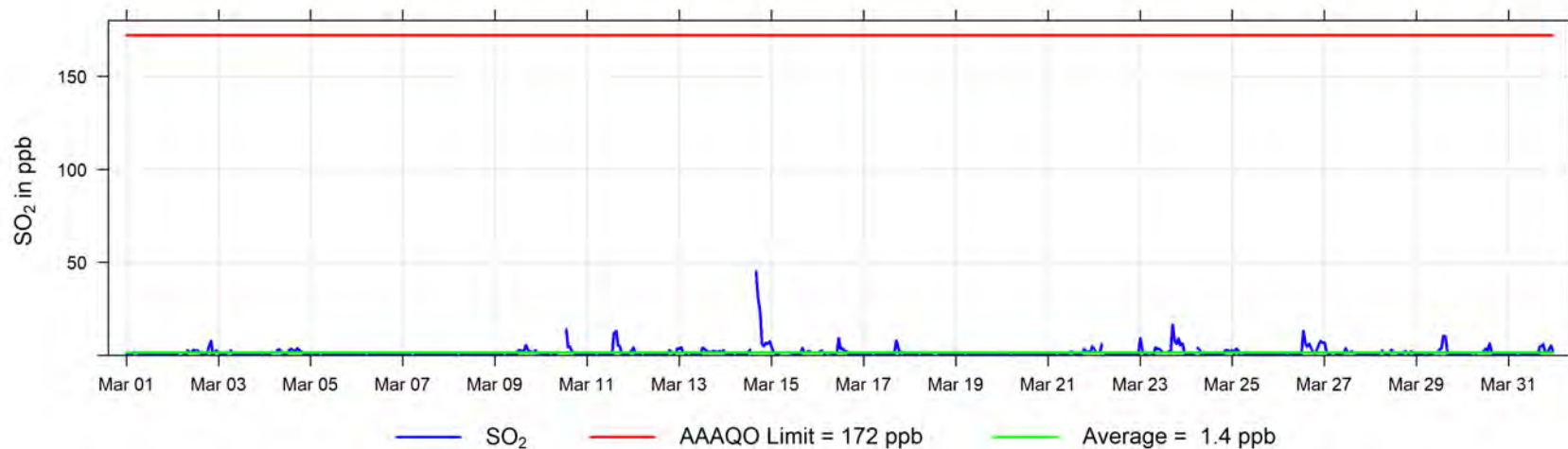
## 2 Beaverlodge Charts

The following pages include the charts and histograms for Beaverlodge Station

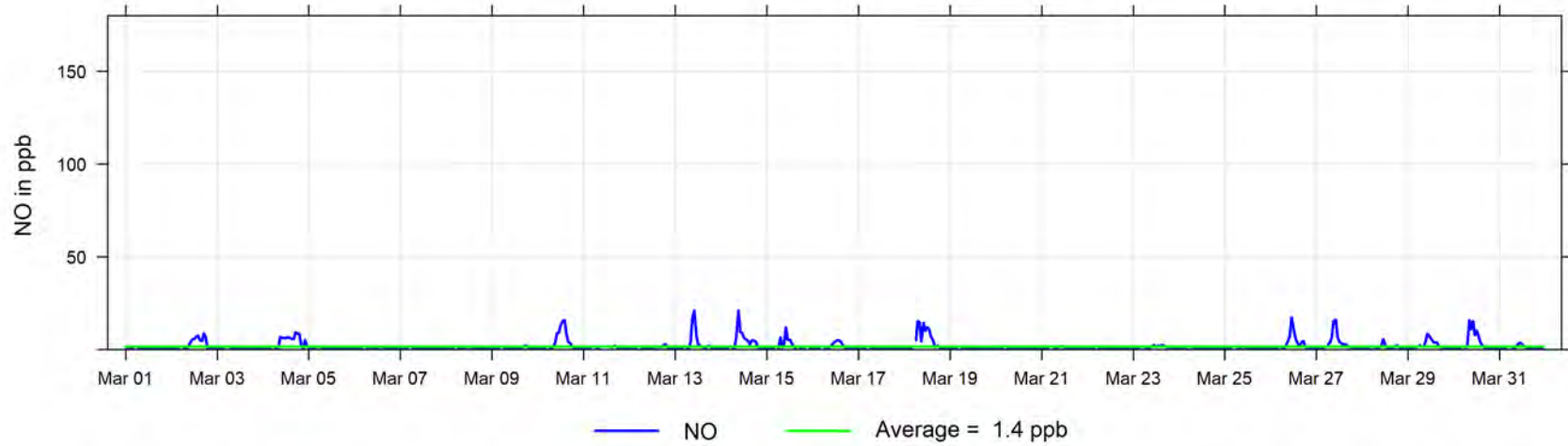
March 2026 Concentration Readings at Beaverlodge Station



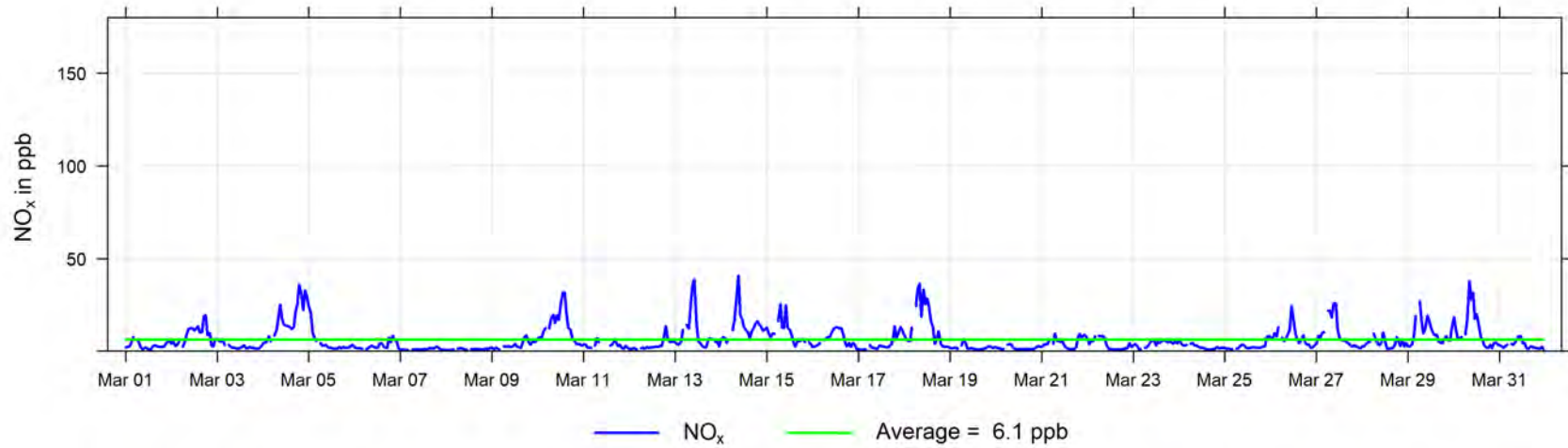
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Beaverlodge



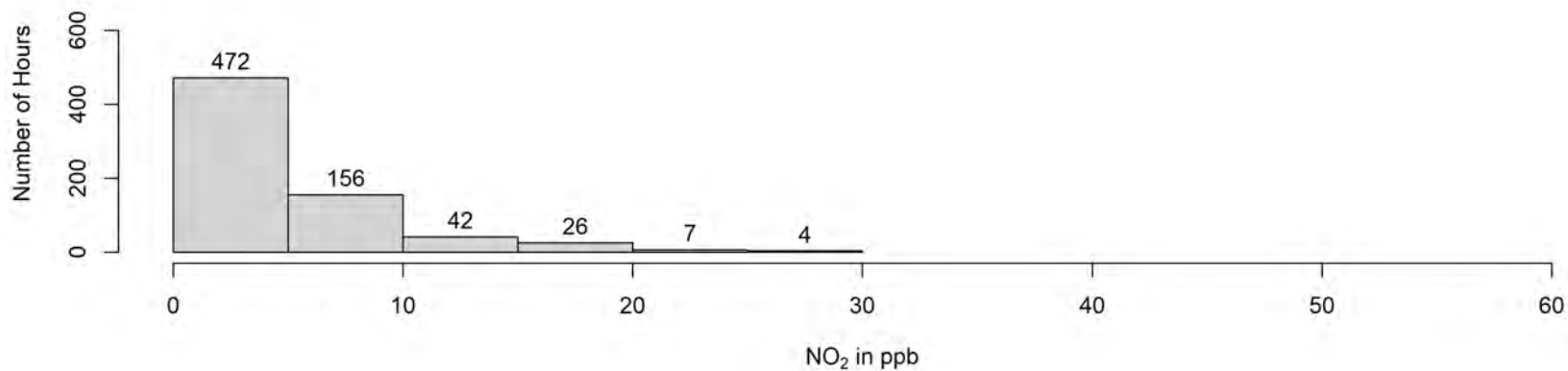
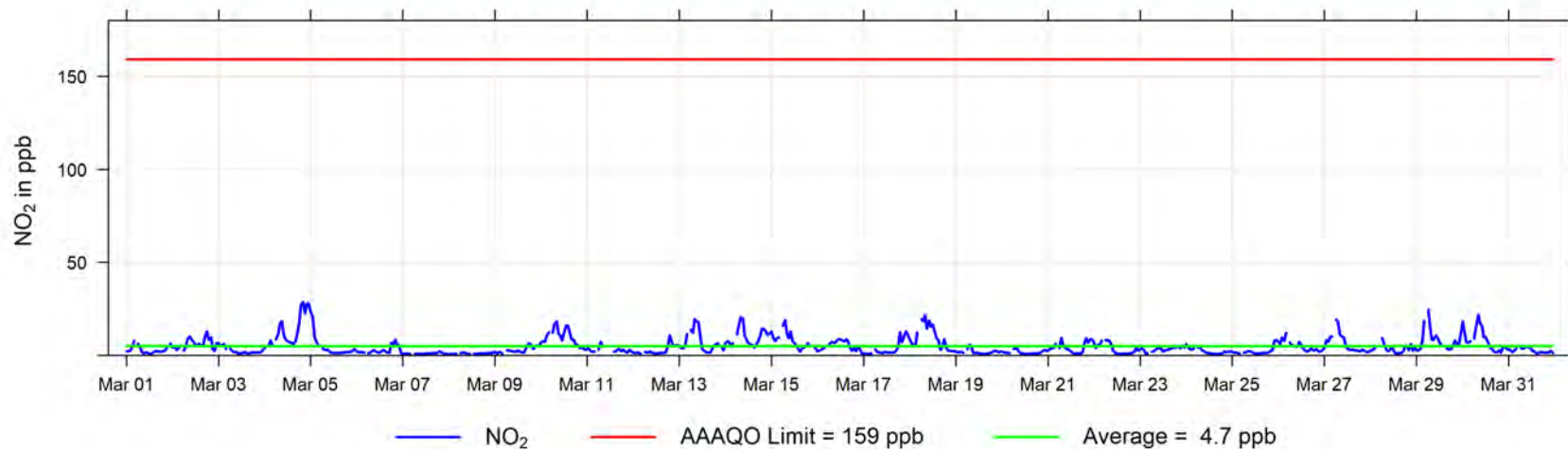
March 2026 Hourly Concentration Readings of NO (in ppb) at Beaverlodge



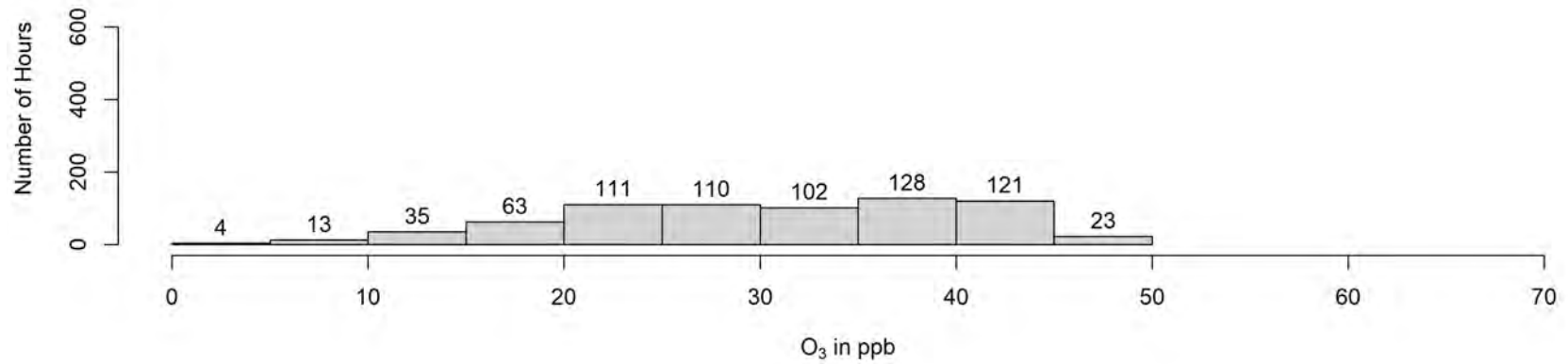
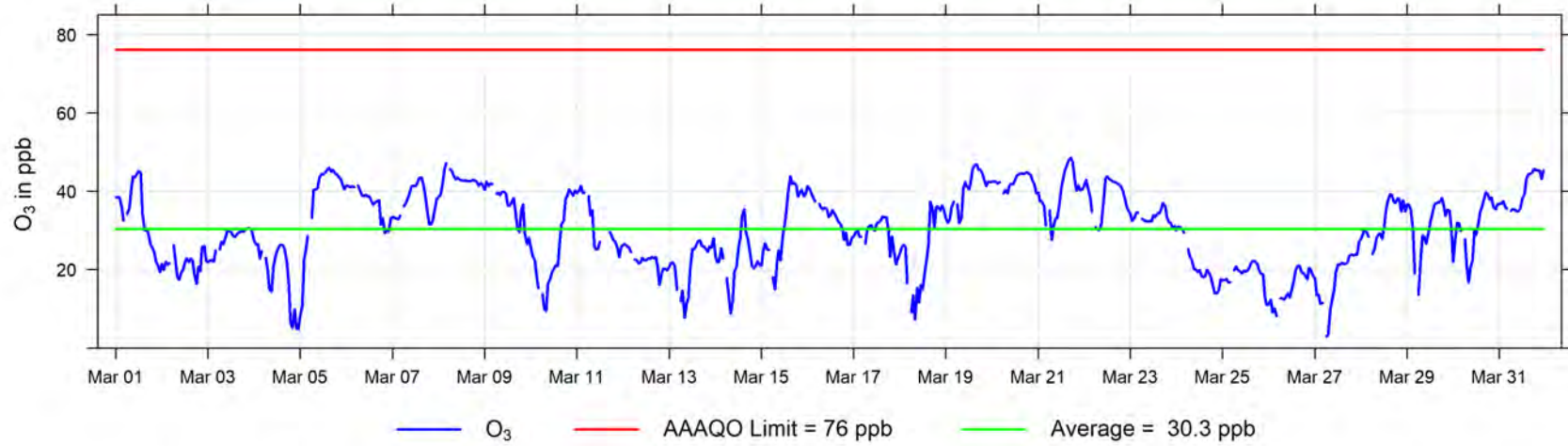
March 2026 Hourly Concentration Readings of NO<sub>x</sub> (in ppb) at Beaverlodge



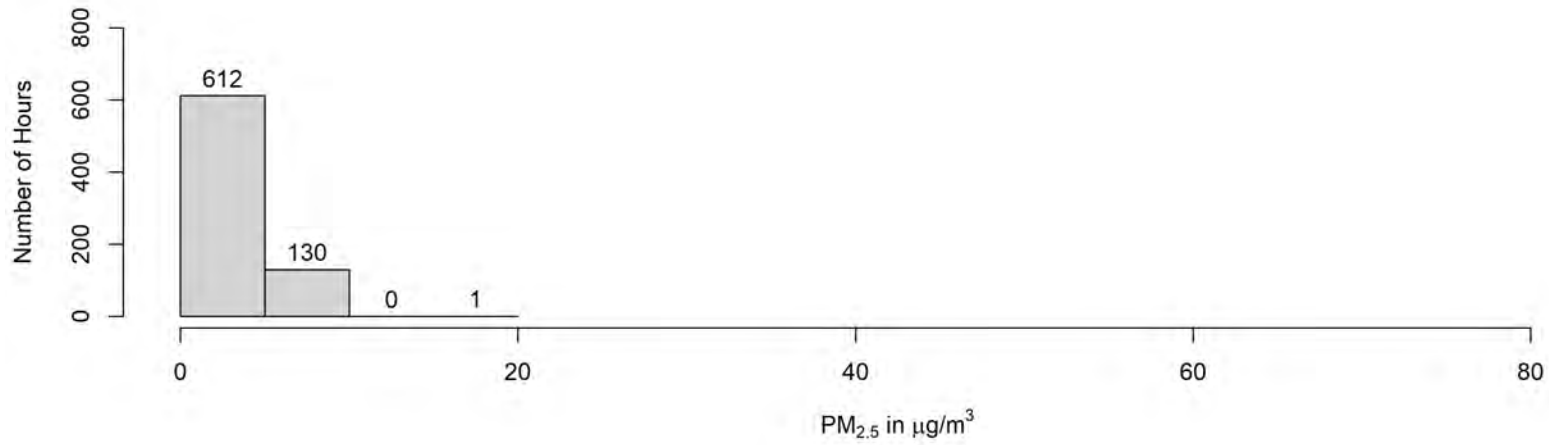
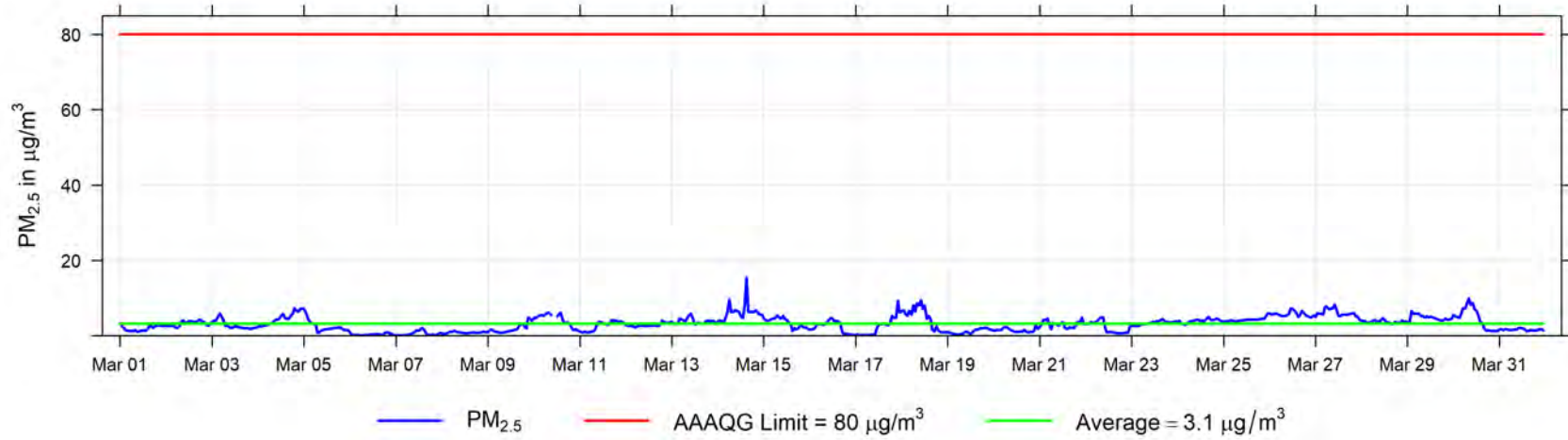
March 2026 Hourly Concentration Readings of NO<sub>2</sub> (in ppb) at Beaverlodge



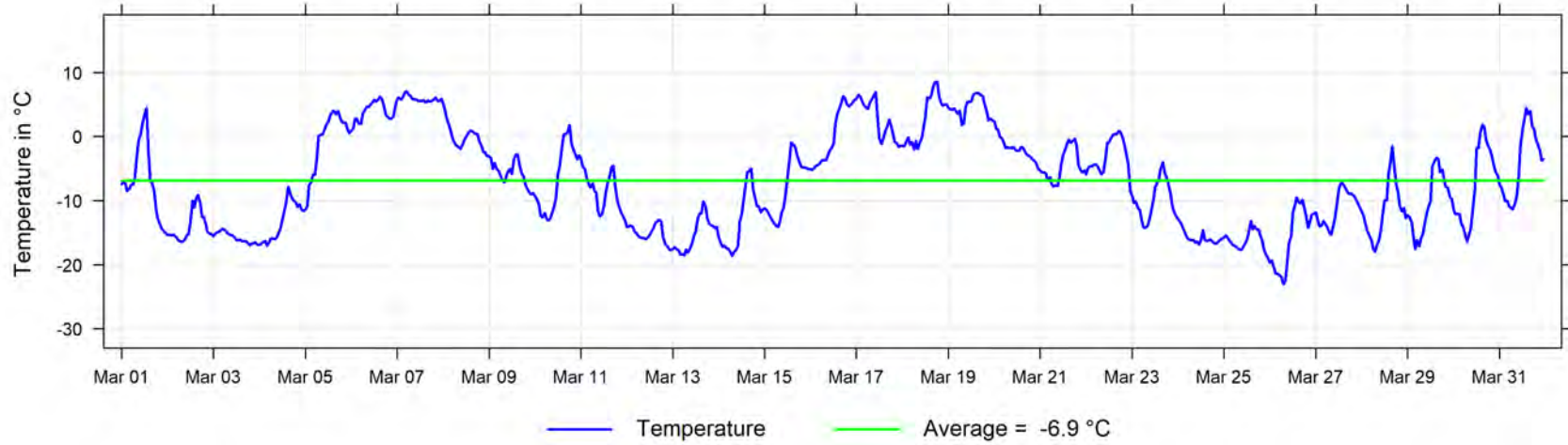
March 2026 Hourly Concentration Readings of O<sub>3</sub> (in ppb) at Beaverlodge



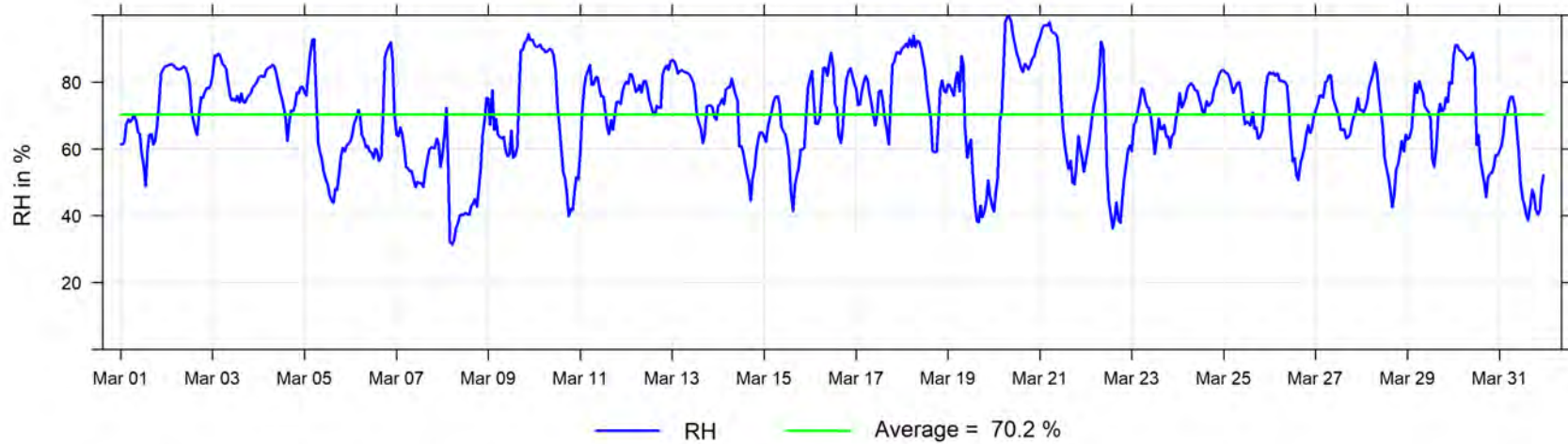
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Beaverlodge



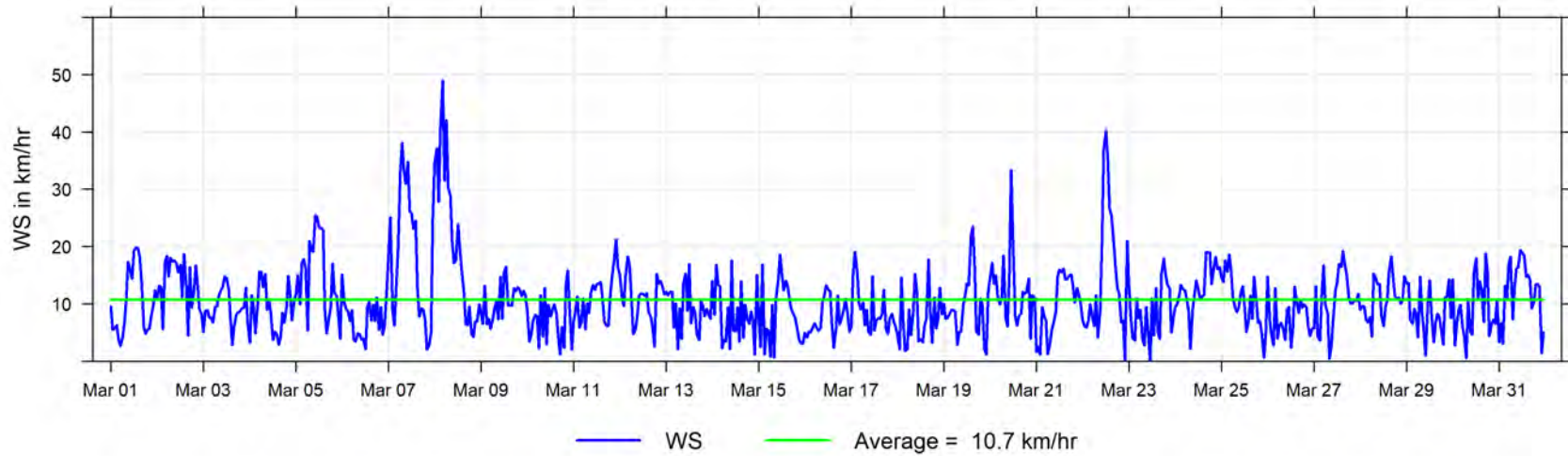
March 2026 Hourly Temperature Readings (in °C) at Beaverlodge



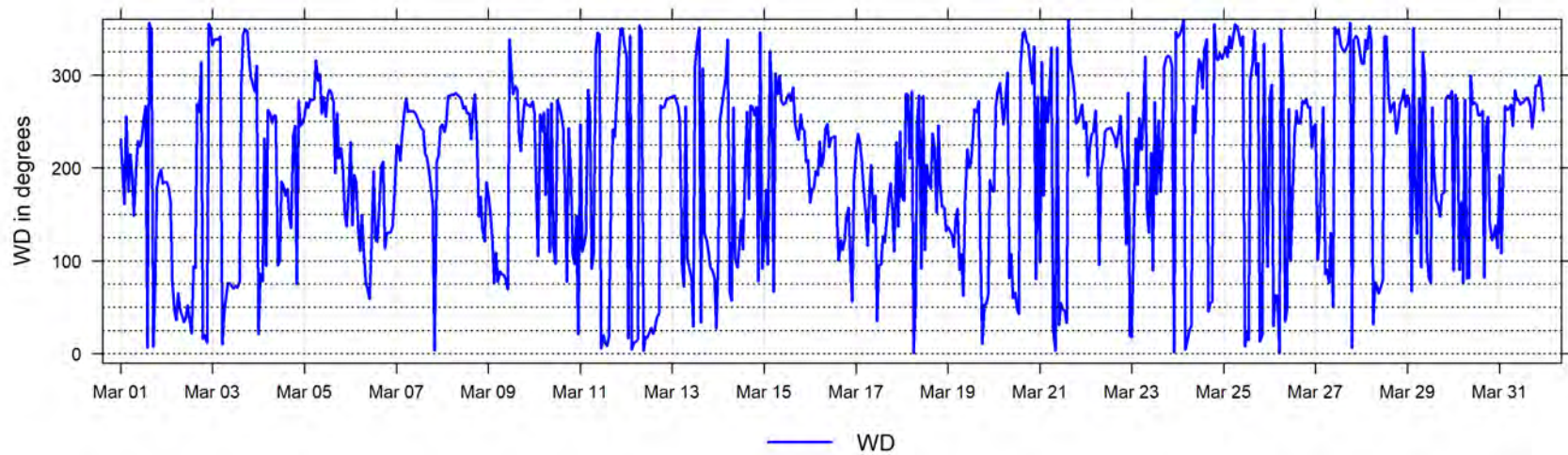
March 2026 Hourly Readings of Relative Humidity (in %) at Beaverlodge



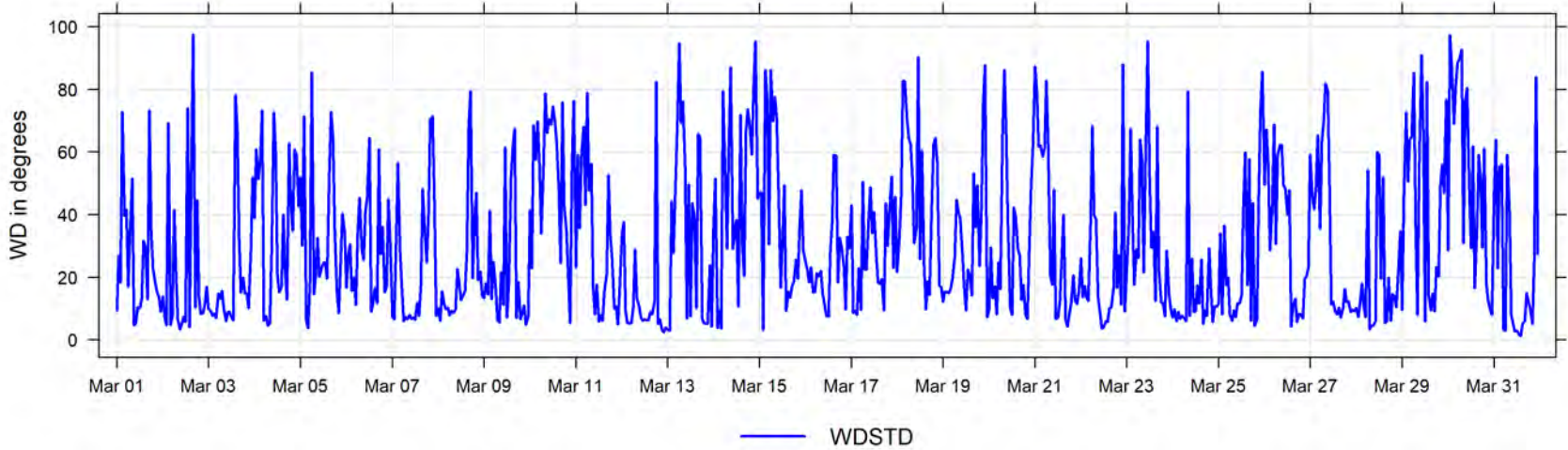
March 2026 Hourly Readings of Wind Speed (in km/hr) at Beaverlodge

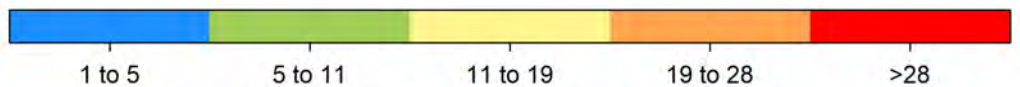
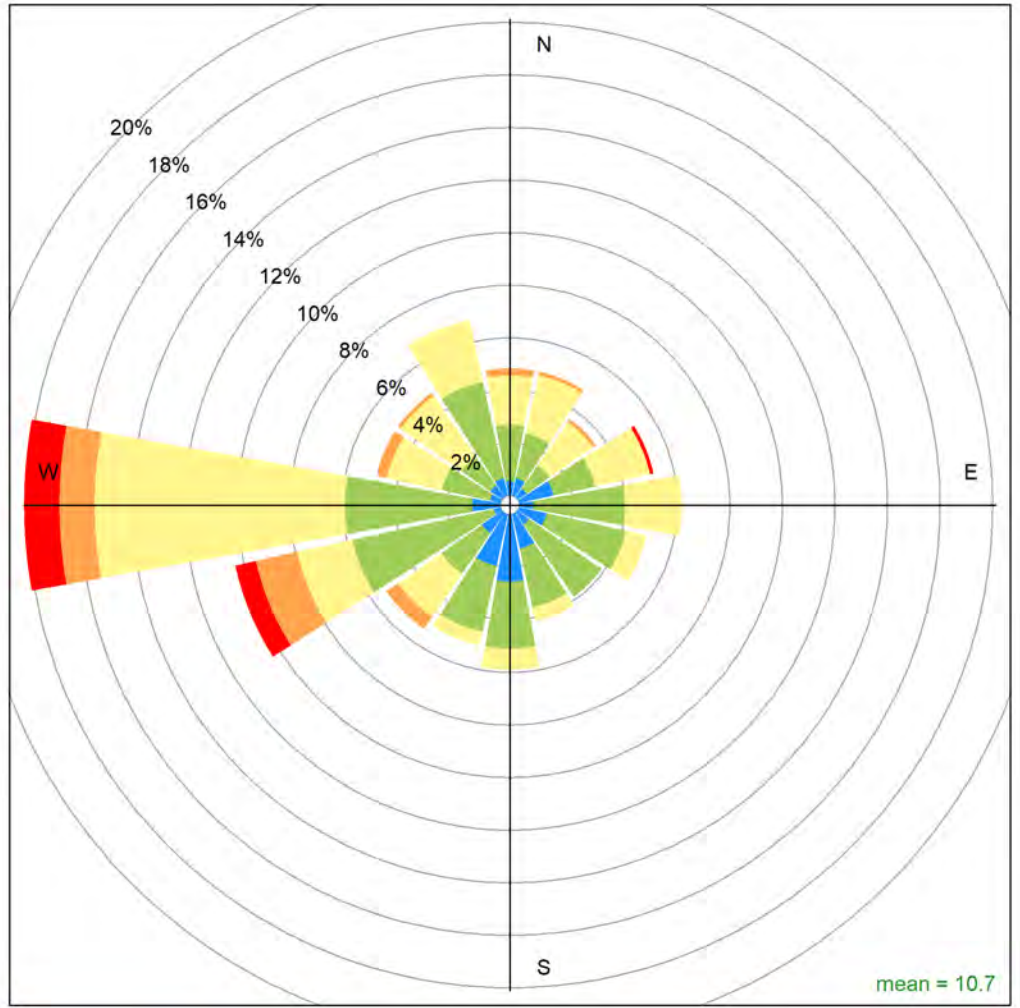


March 2026 Hourly Readings of Wind Direction (in degrees) at Beaverlodge



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Beaverlodge





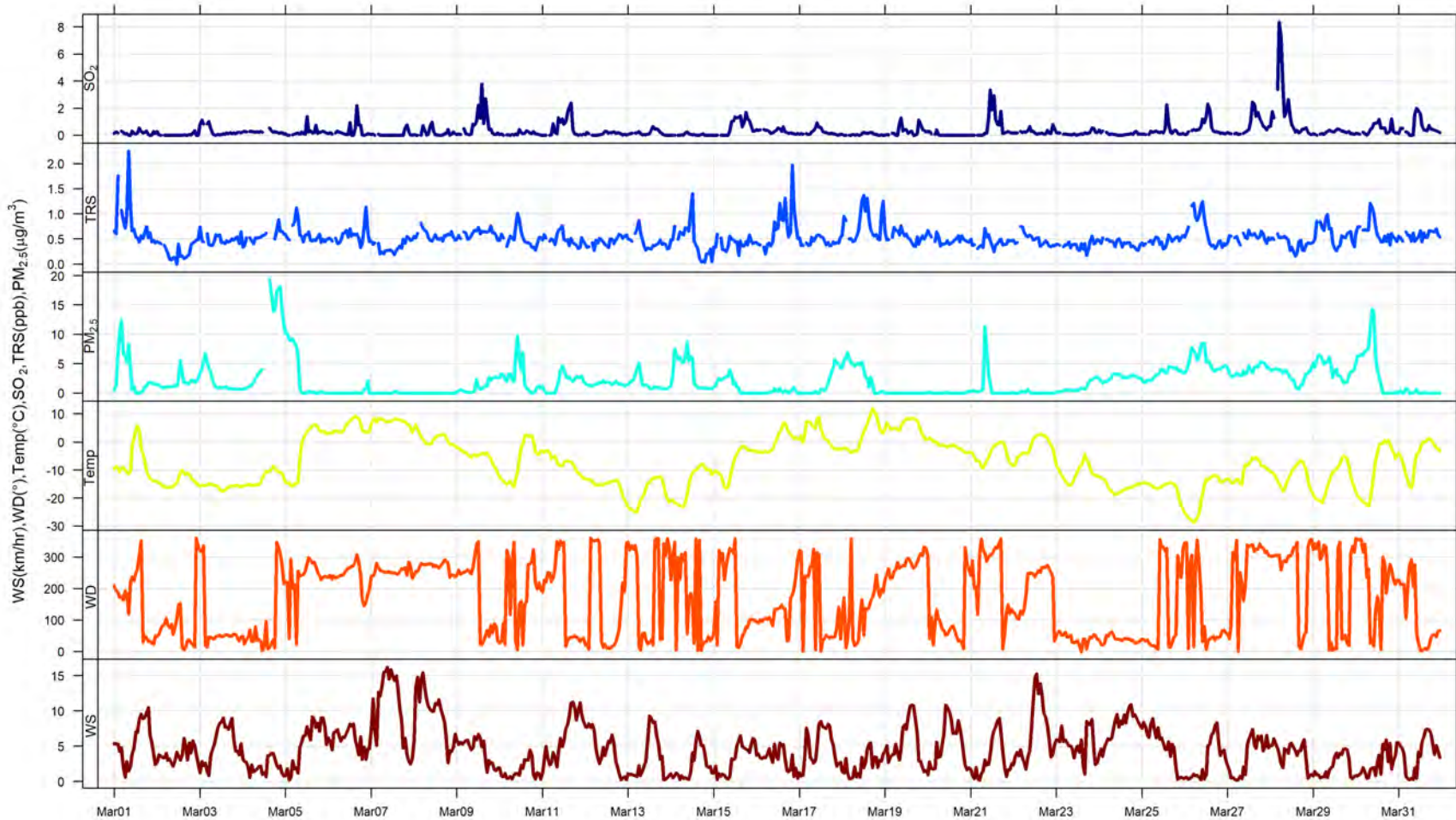
Beaverlodge March 2026 Wind Rose, wind speed in km/hr

**Calms (<1km/hr) = 0.9 %**

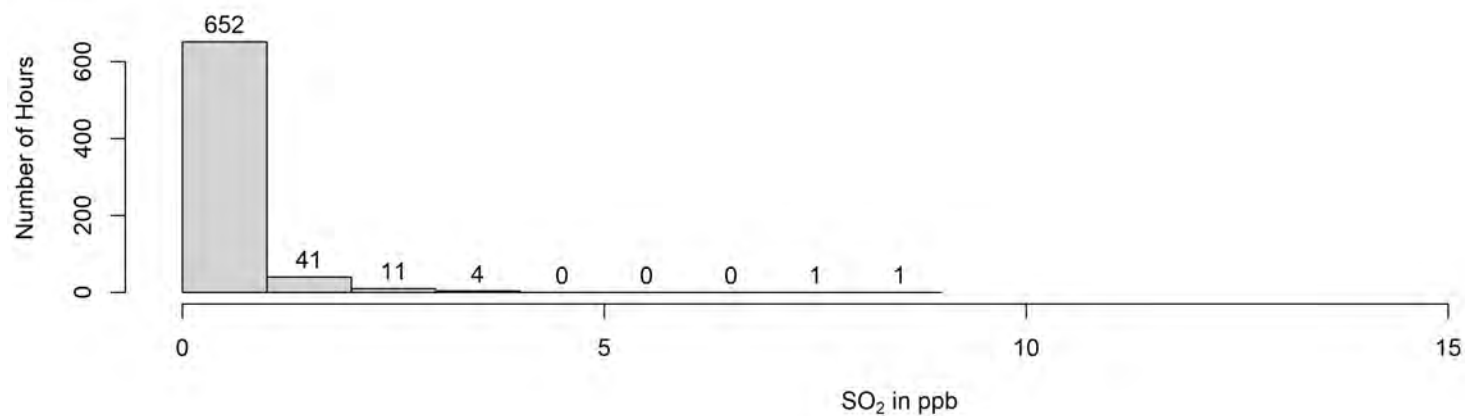
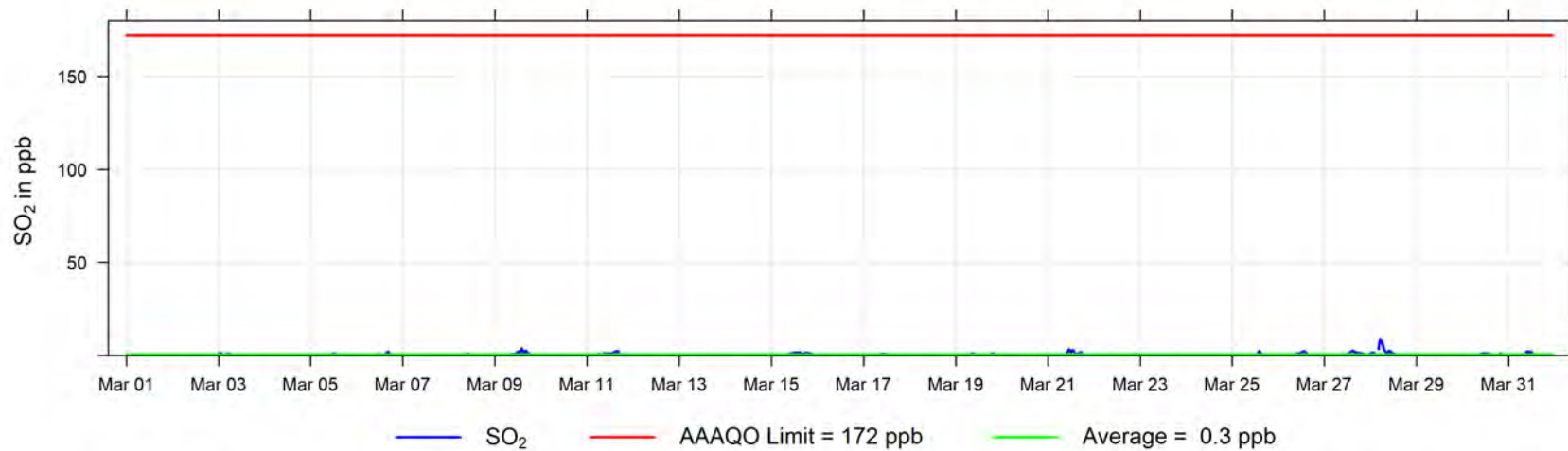
### 3 Dunes Charts

The following pages include the charts and histograms for Dunes Station

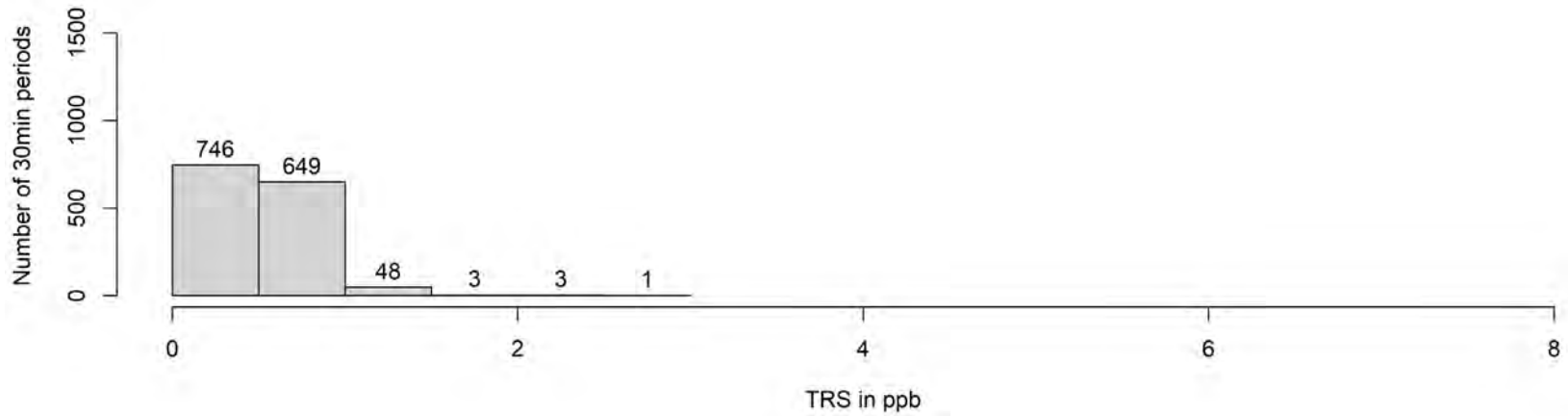
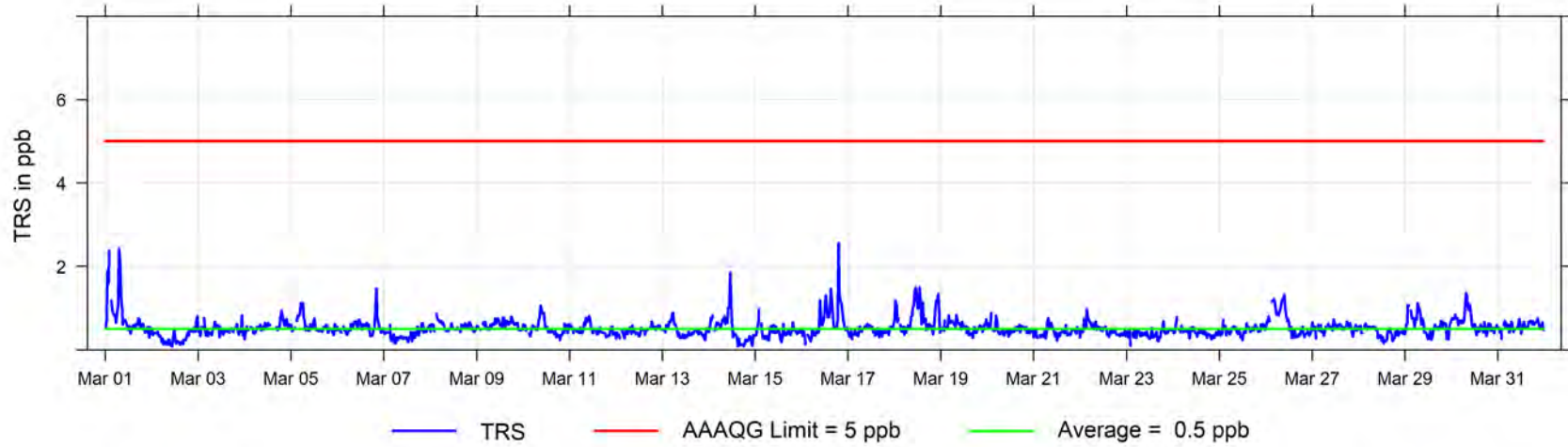
March 2026 Concentration Readings at Dunes Station



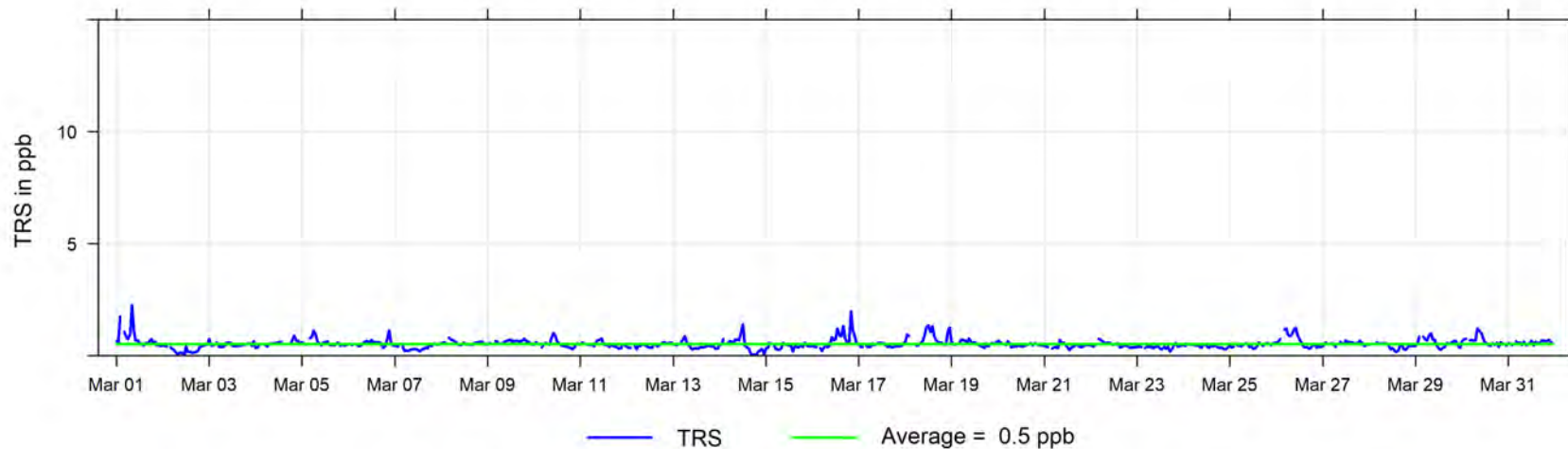
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Dunes



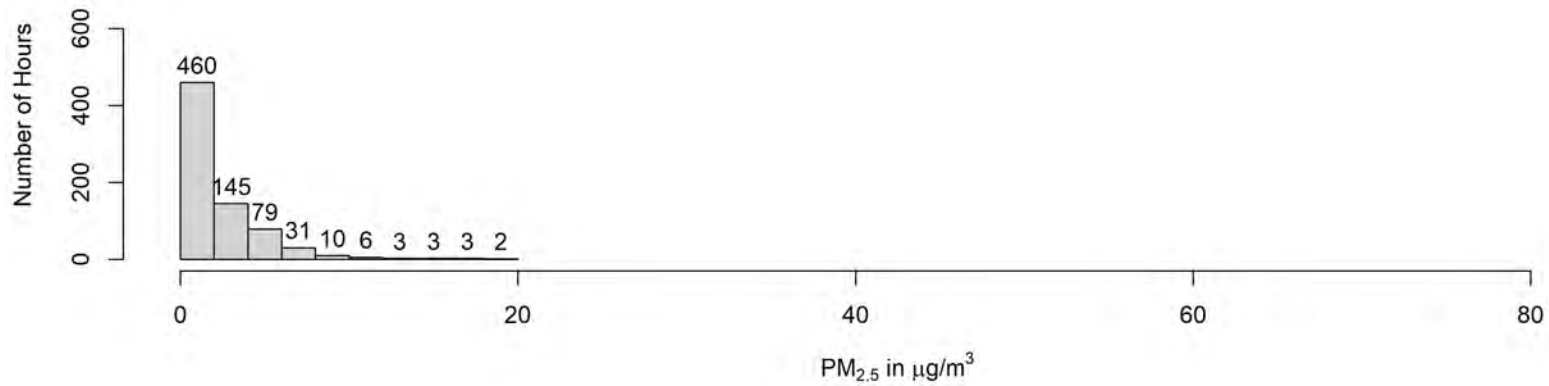
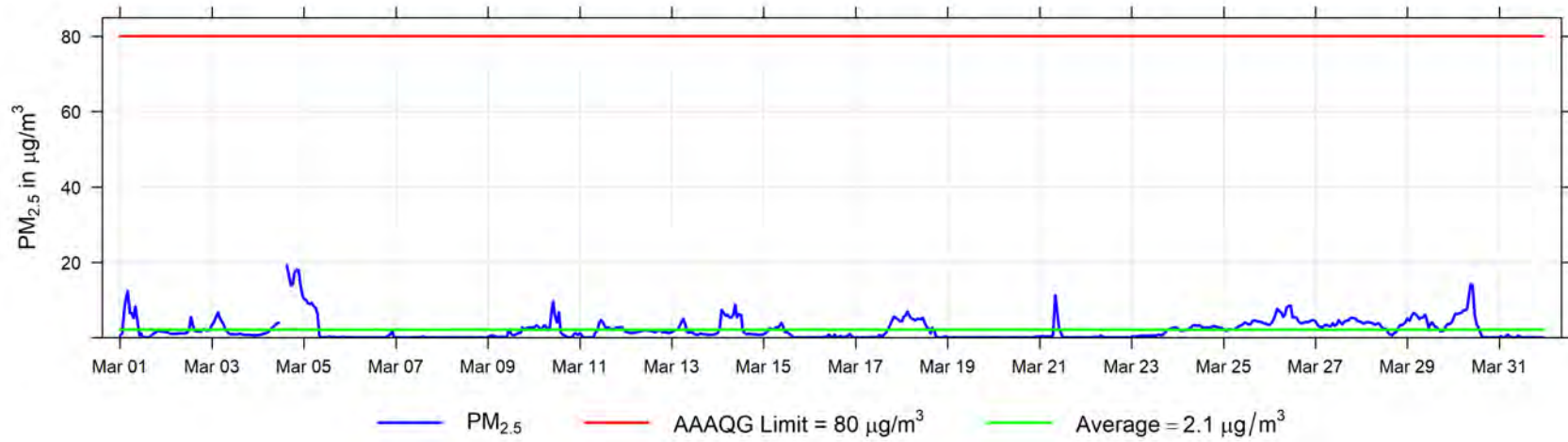
March 2026 30 min Concentration Readings of TRS (in ppb) at Dunes



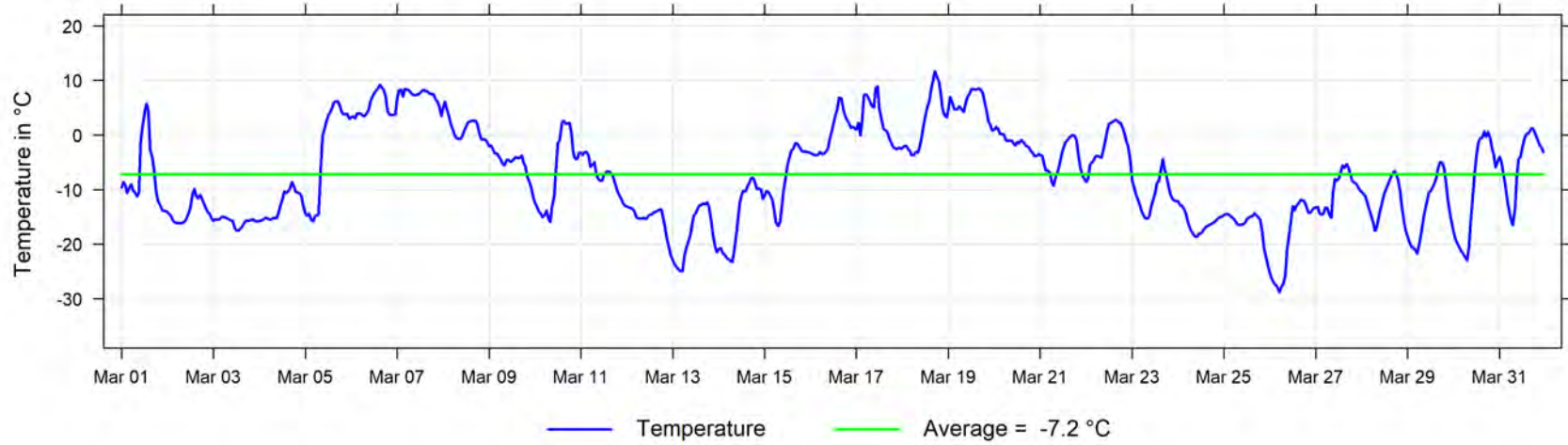
March 2026 Hourly Concentration Readings of TRS (in ppb) at Dunes



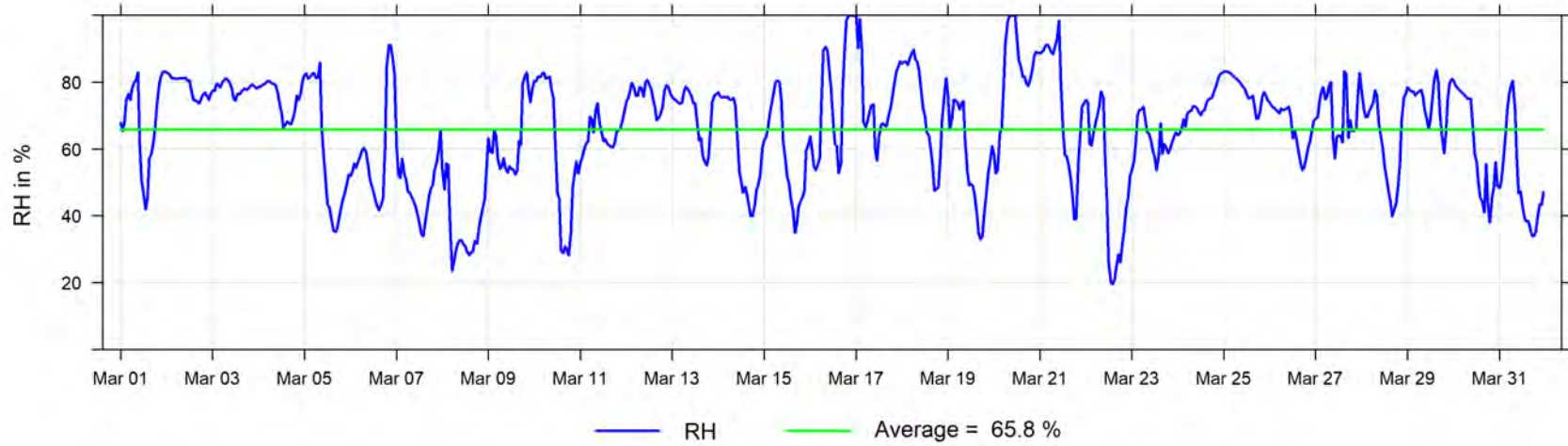
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Dunes



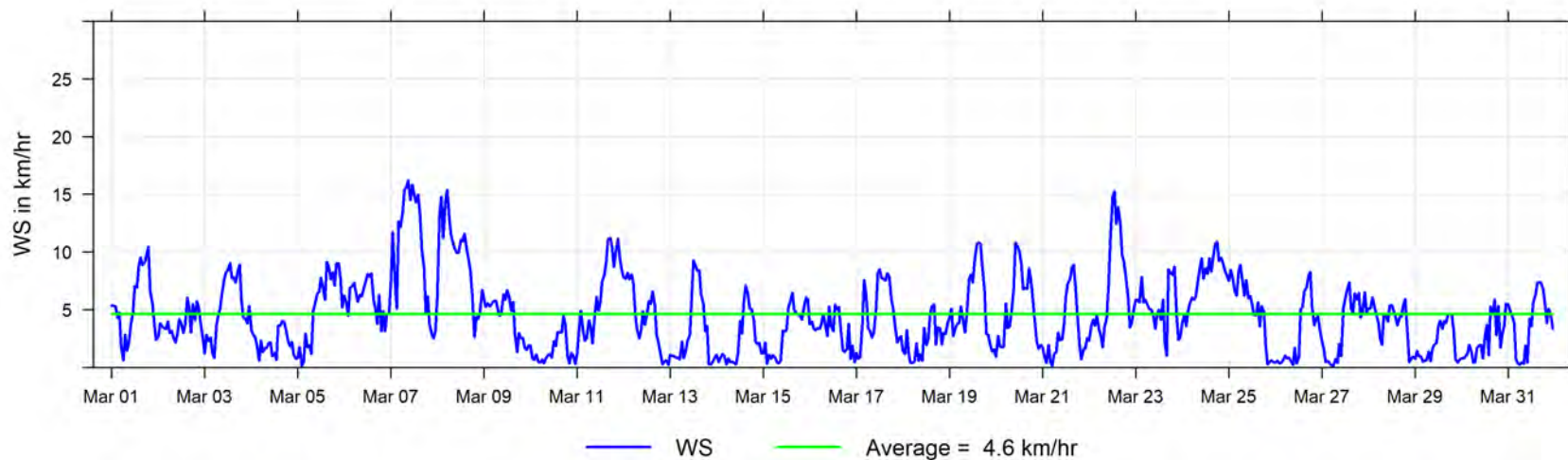
March 2026 Hourly Temperature Readings (in °C) at Dunes



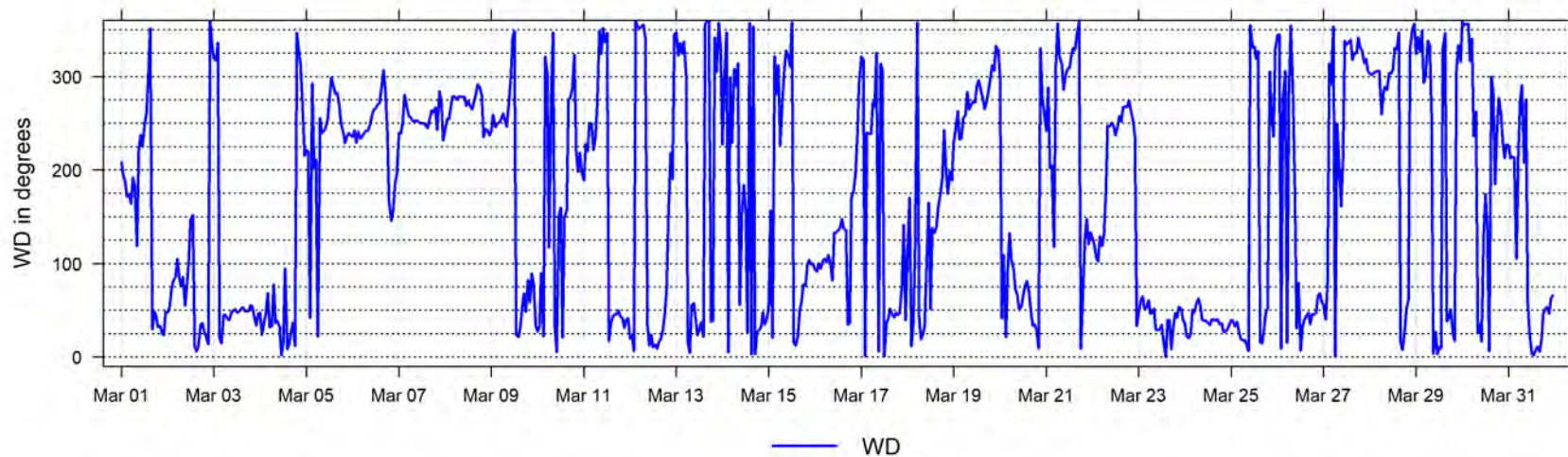
March 2026 Hourly Readings of Relative Humidity (in %) at Dunes



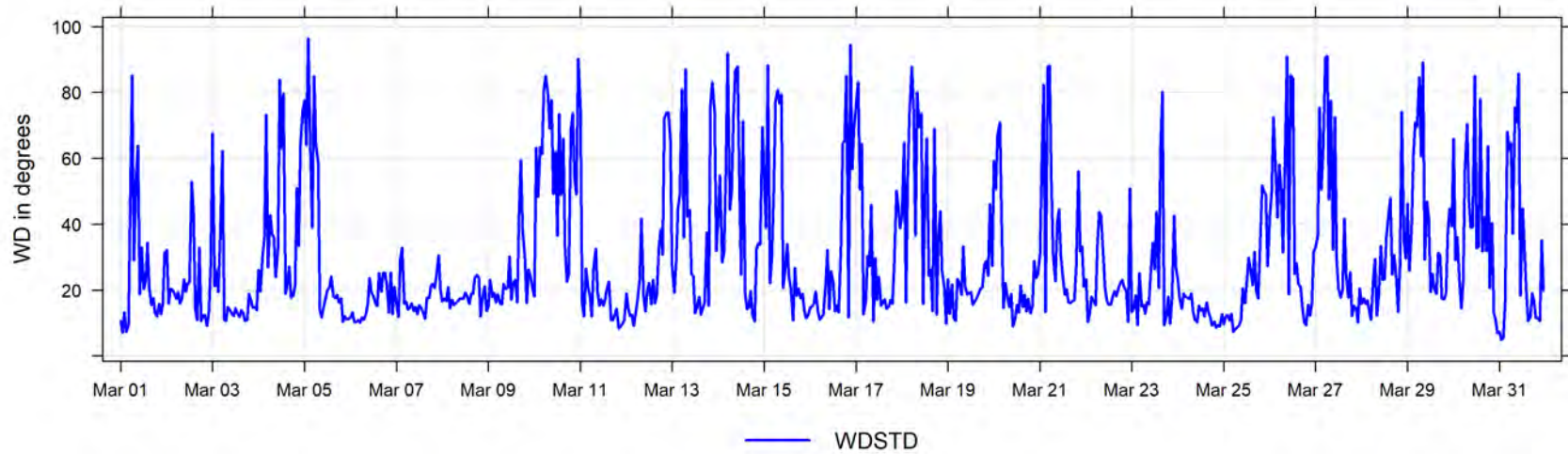
March 2026 Hourly Readings of Wind Speed (in km/hr) at Dunes

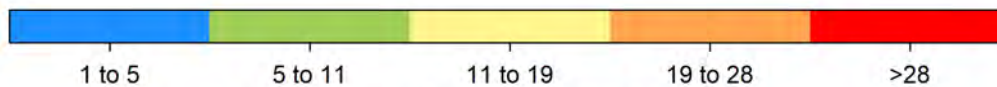
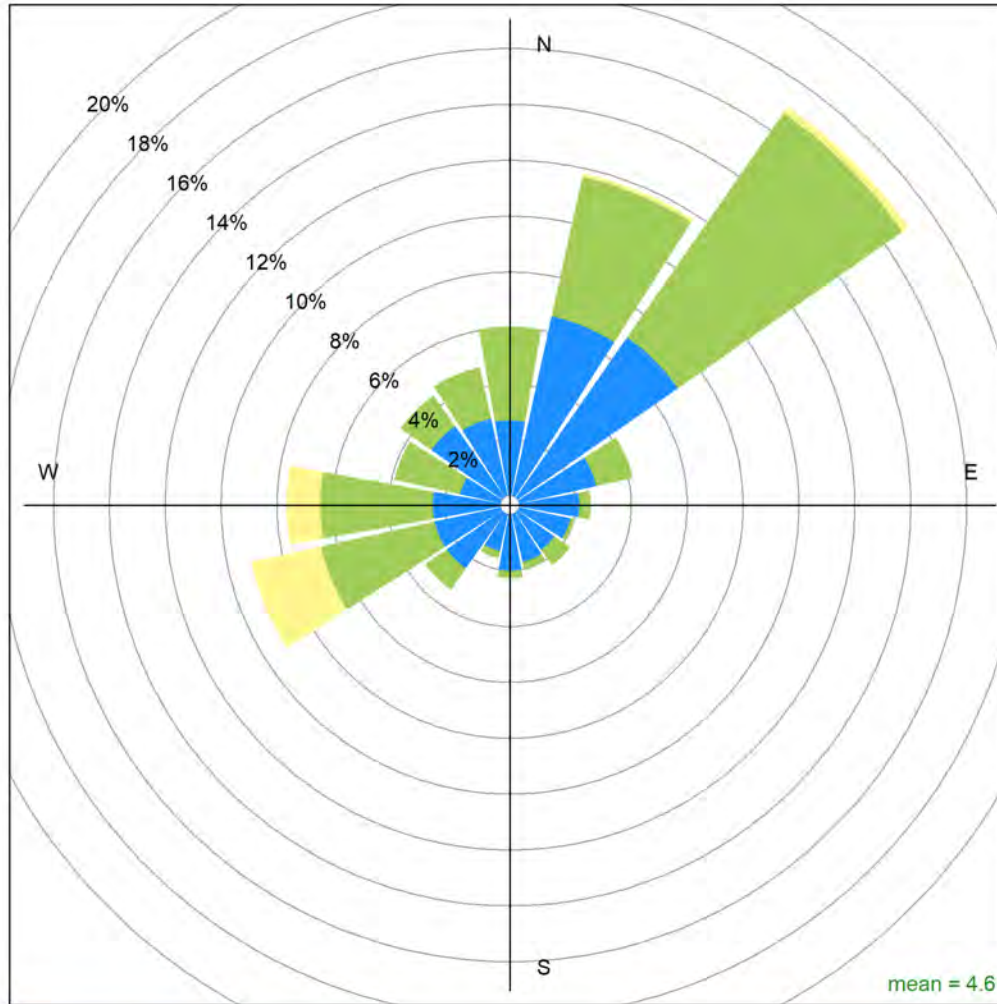


March 2026 Hourly Readings of Wind Direction (in degrees) at Dunes



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Dunes





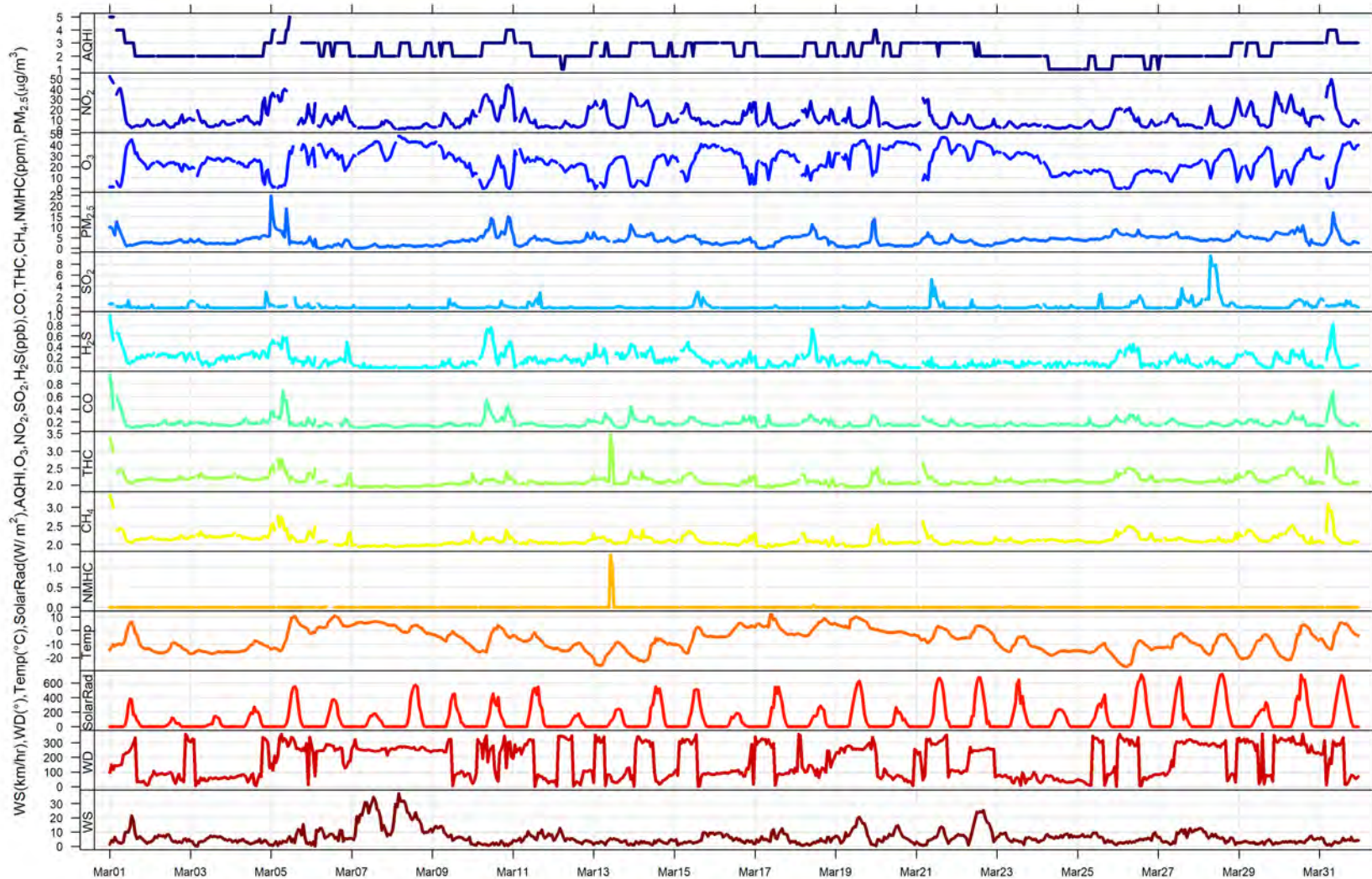
Dunes March 2026 Wind Rose, wind speed in km/hr

**Calms (<1km/hr) = 15 %**

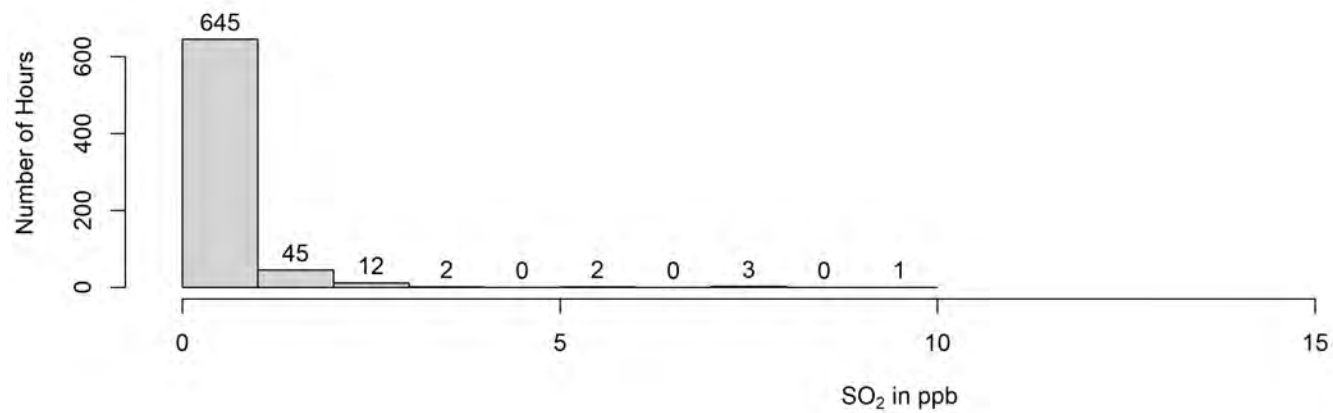
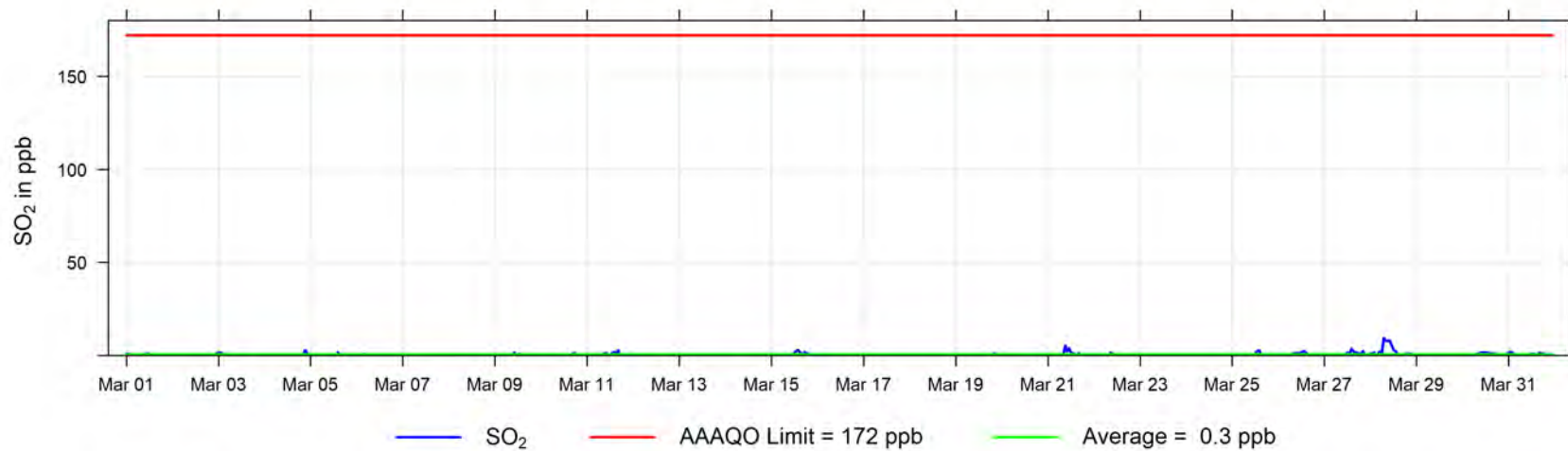
## 4 Grande Prairie - Henry Pirker Charts

The following pages only include meteorology charts due to Henry Pirker Station not in operation in Grande Prairie

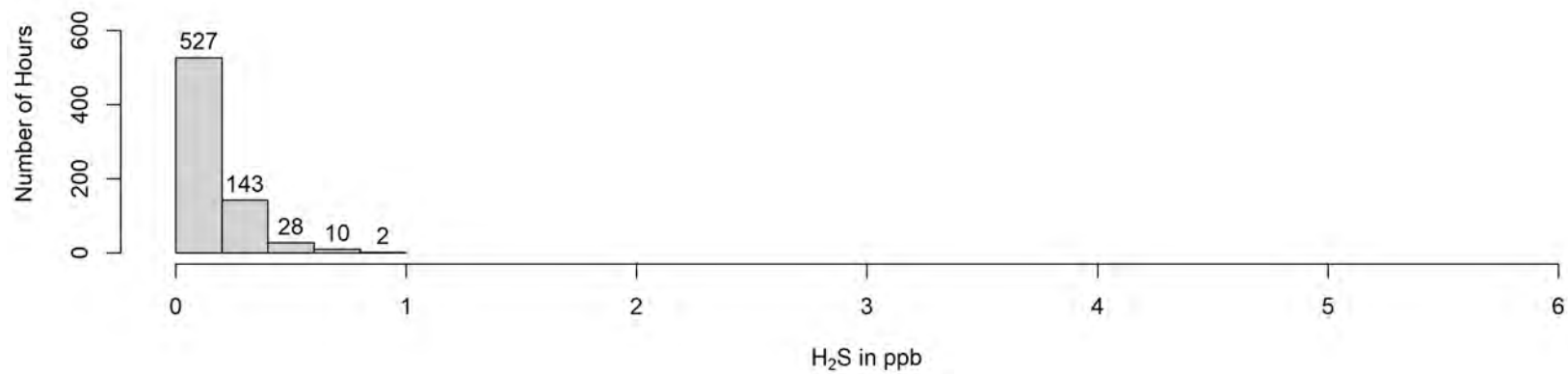
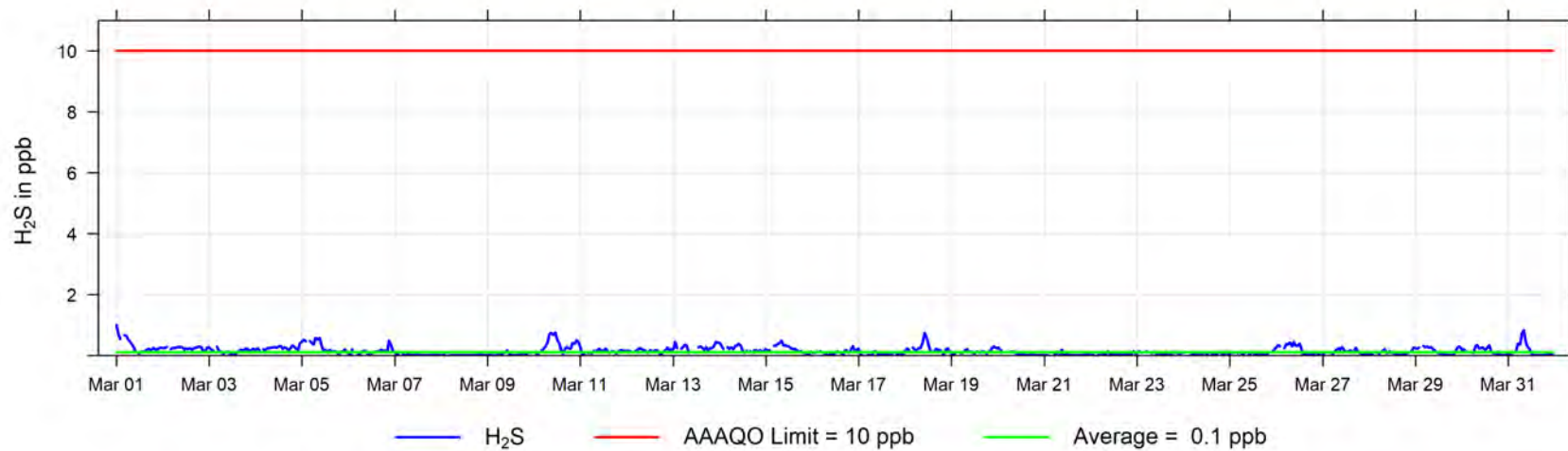
March 2026 Concentration Readings at Henry Pirker Station



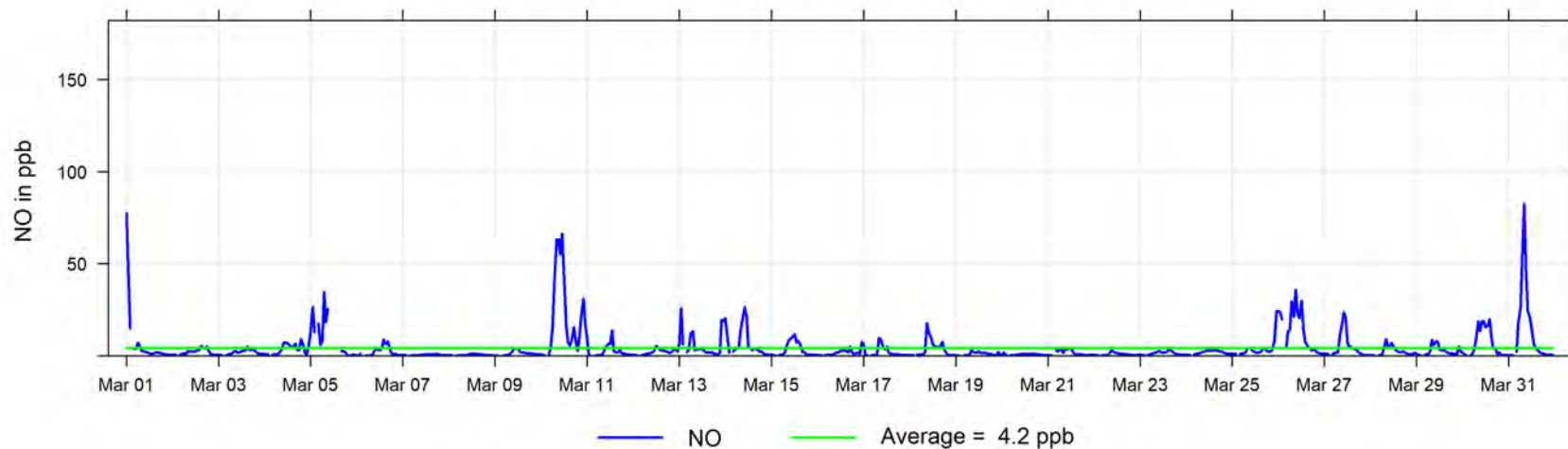
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Henry Pirker



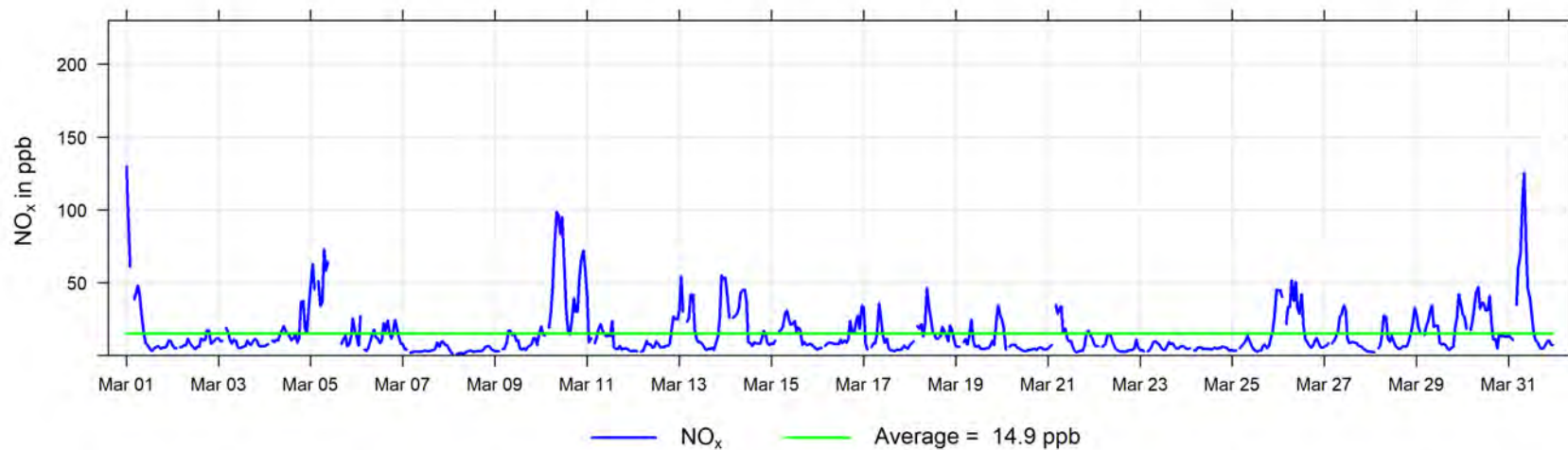
March 2026 Hourly Concentration Readings of H<sub>2</sub>S (in ppb) at Henry Pirker



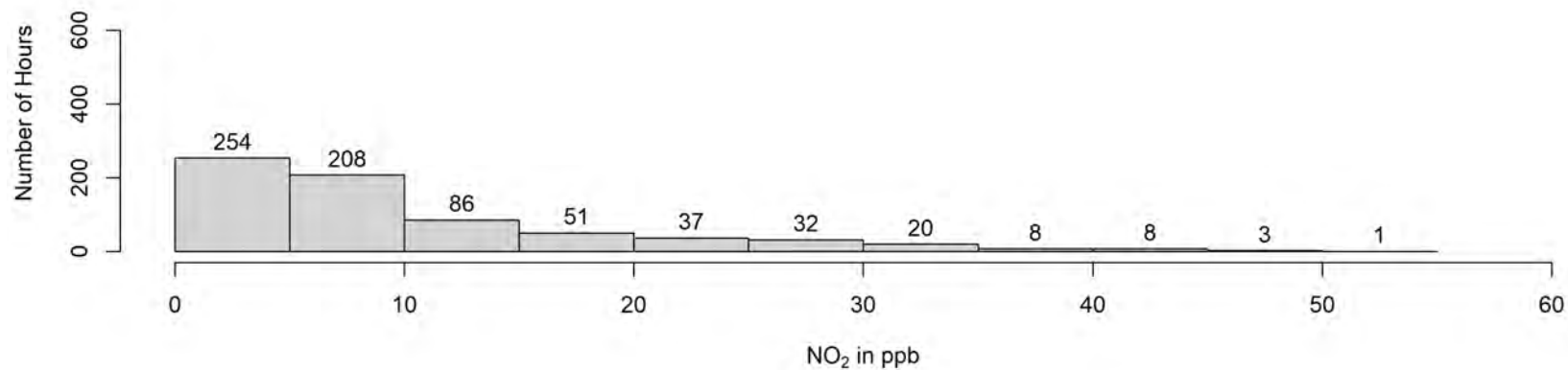
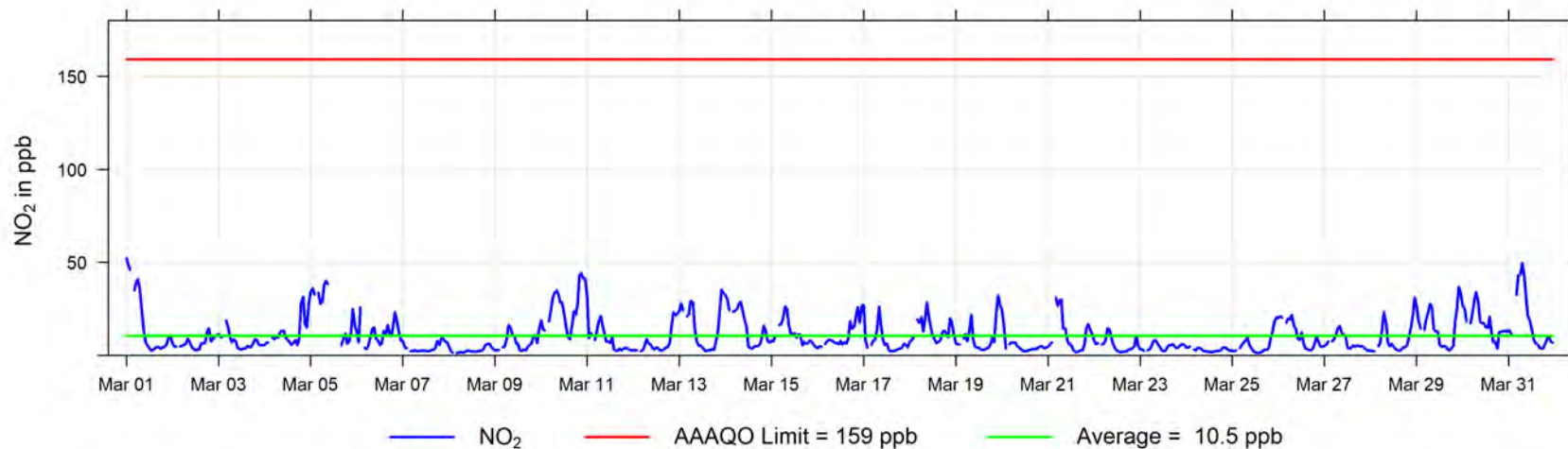
March 2026 Hourly Concentration Readings of NO (in ppb) at Henry Pirker



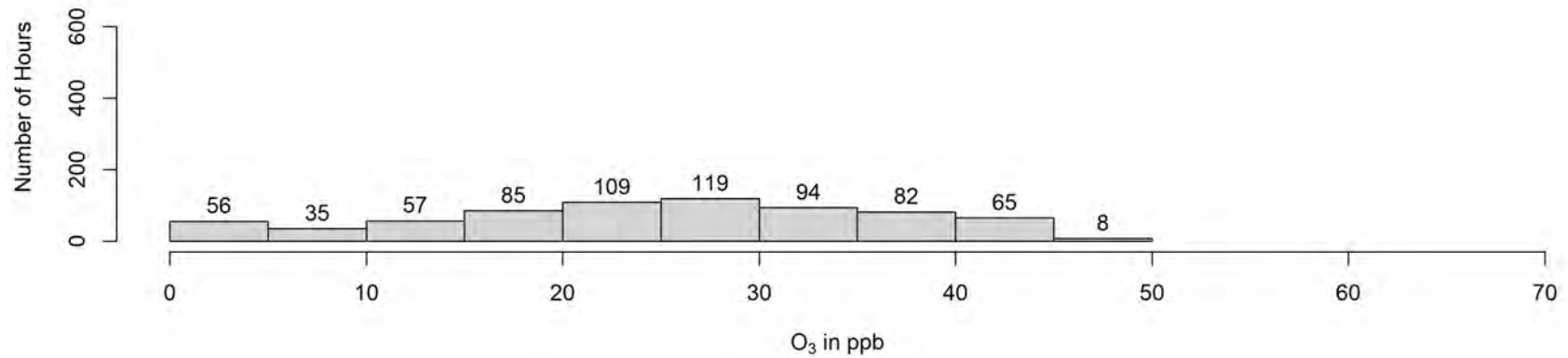
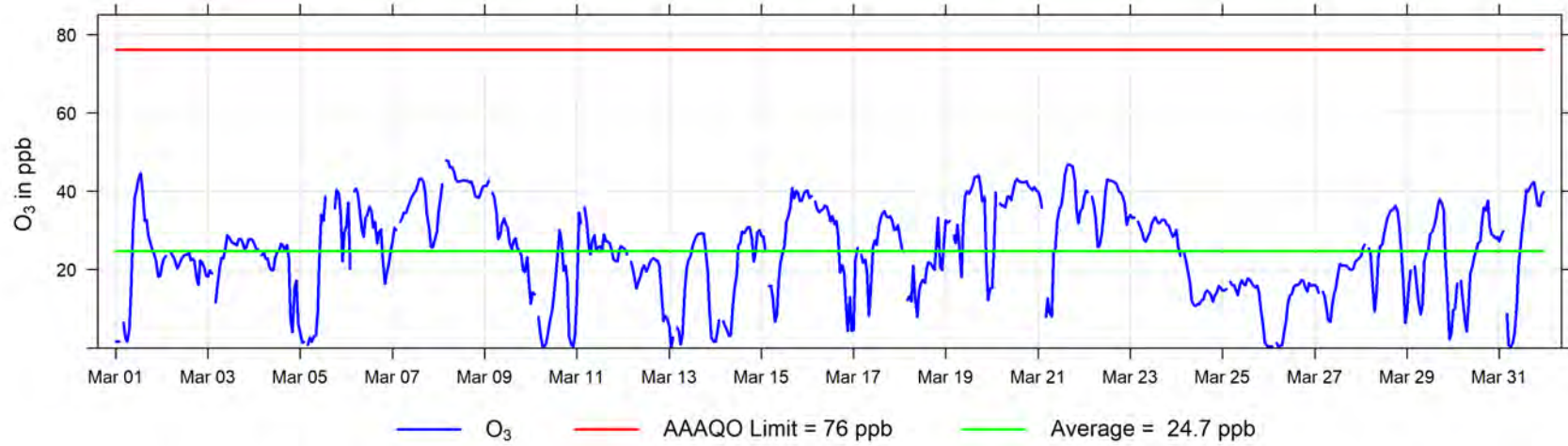
March 2026 Hourly Concentration Readings of NO<sub>x</sub> (in ppb) at Henry Pirker



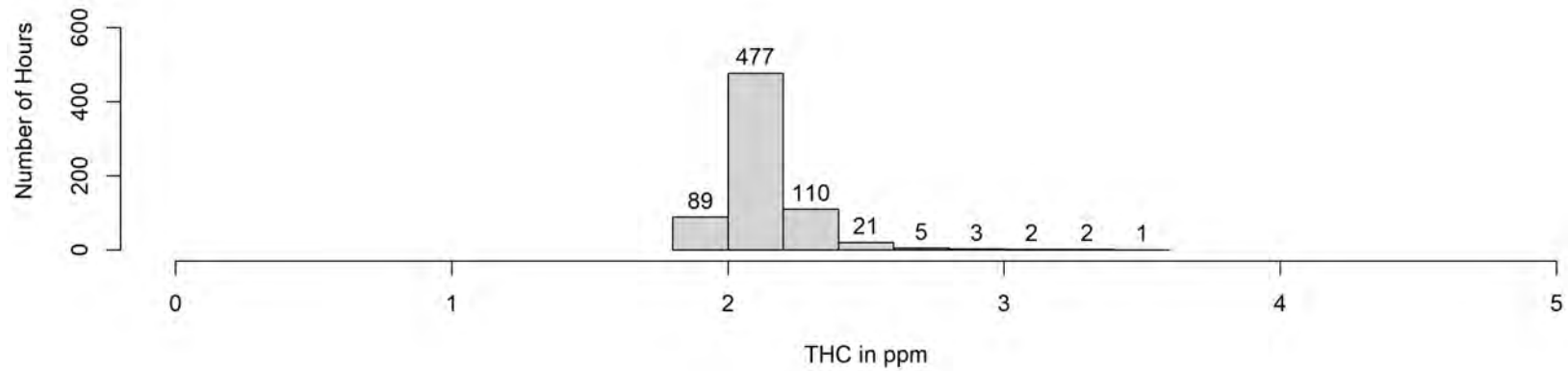
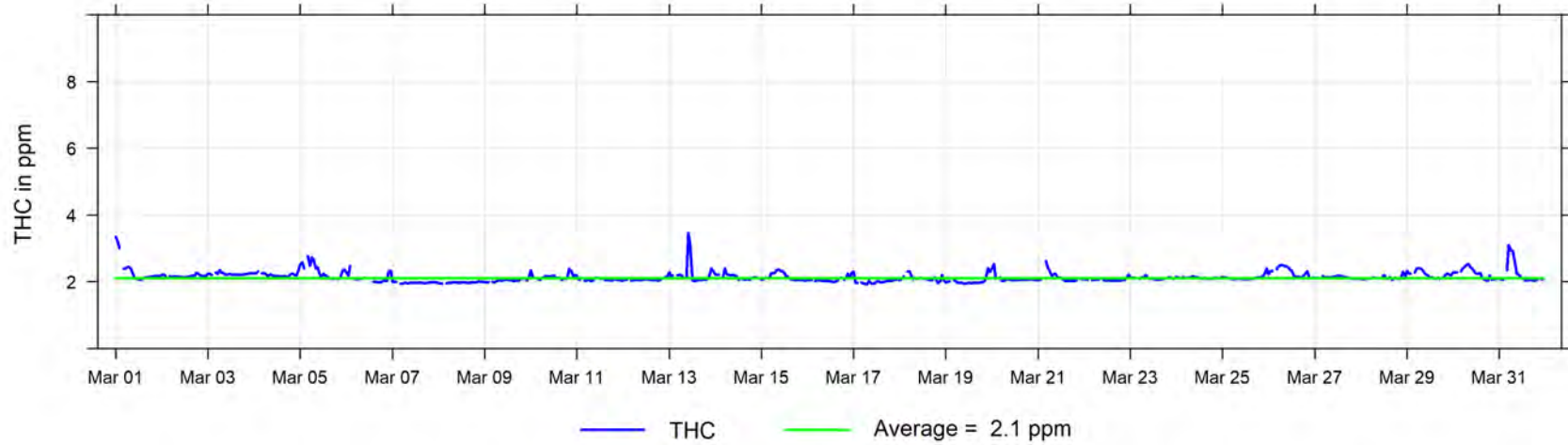
March 2026 Hourly Concentration Readings of NO<sub>2</sub> (in ppb) at Henry Pirker



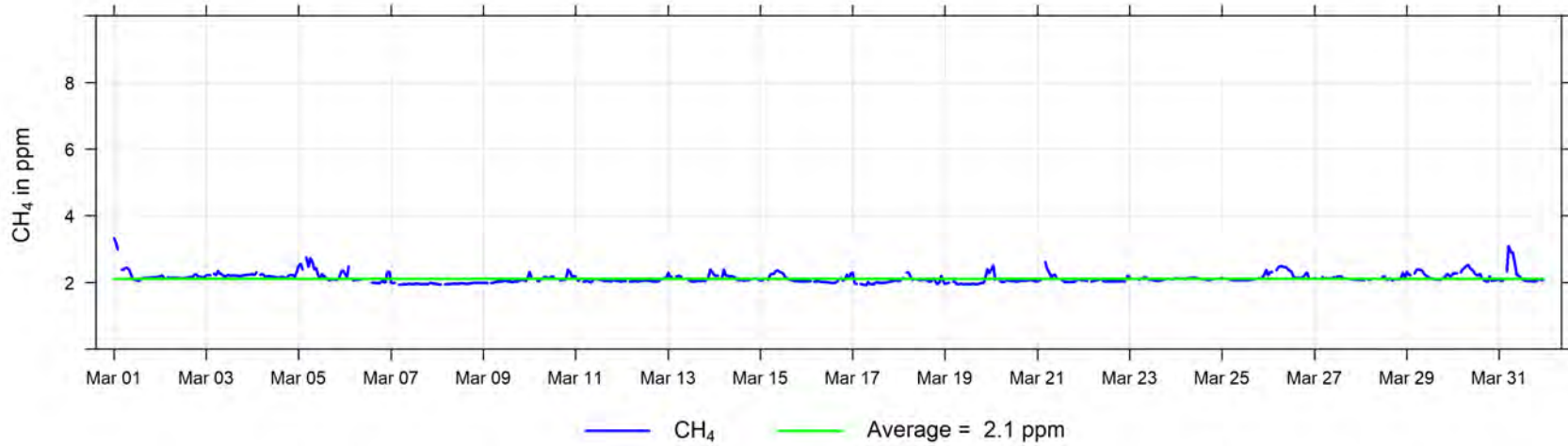
March 2026 Hourly Concentration Readings of O<sub>3</sub> (in ppb) at Henry Pirker



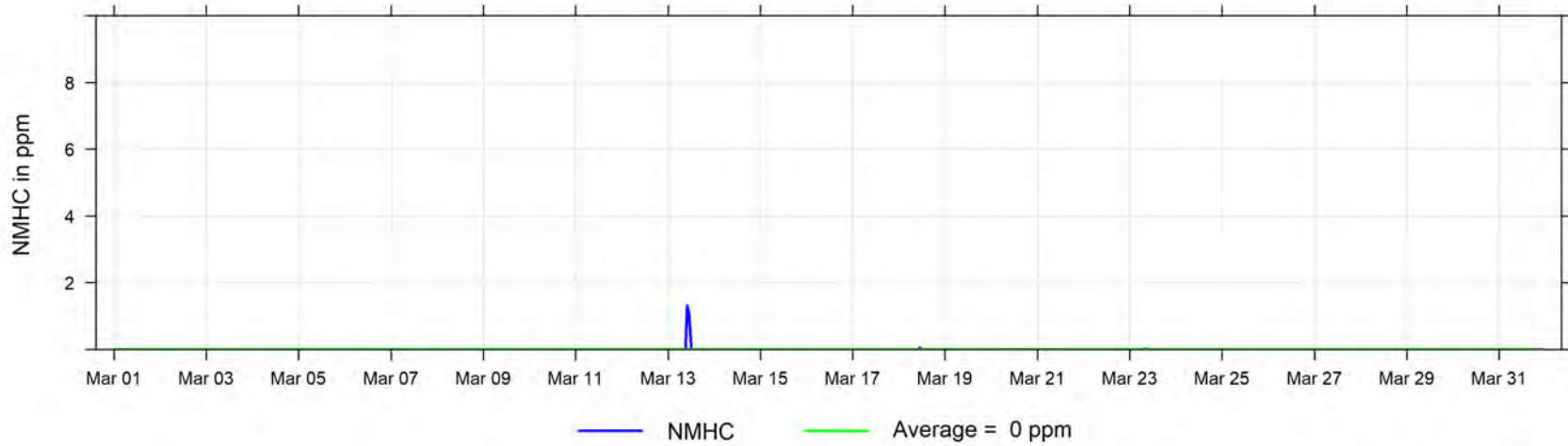
March 2026 Hourly Concentration Readings of THC (in ppm) at Henry Pirker



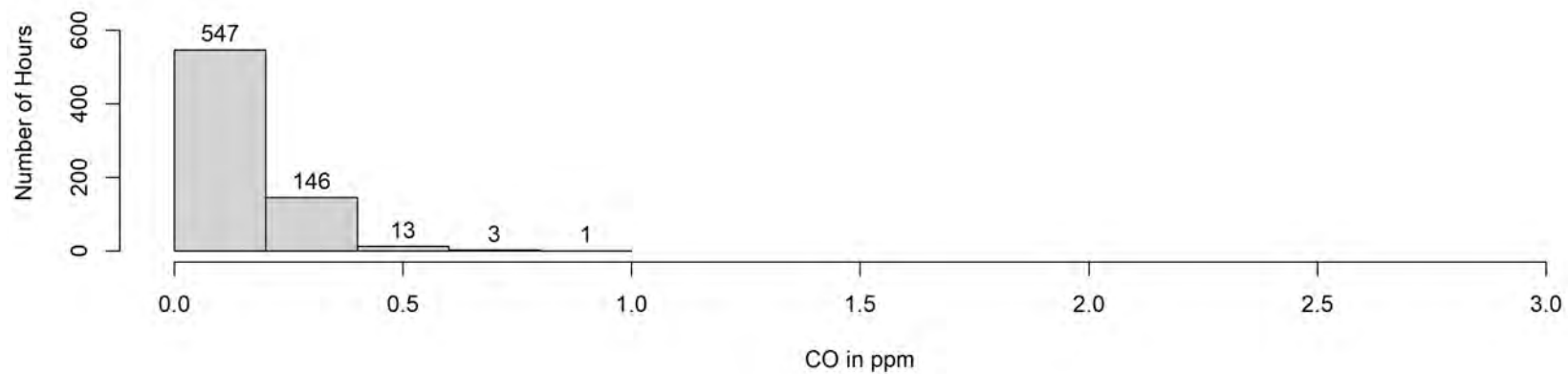
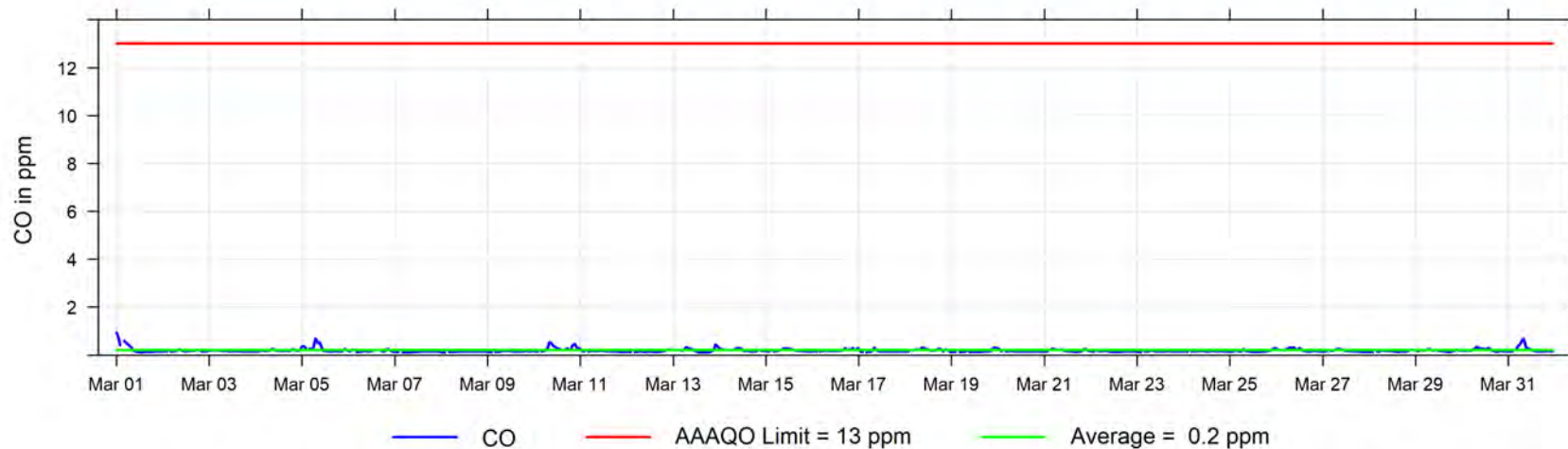
March 2026 Hourly Concentration Readings of CH<sub>4</sub> (in ppm) at Henry Pirker



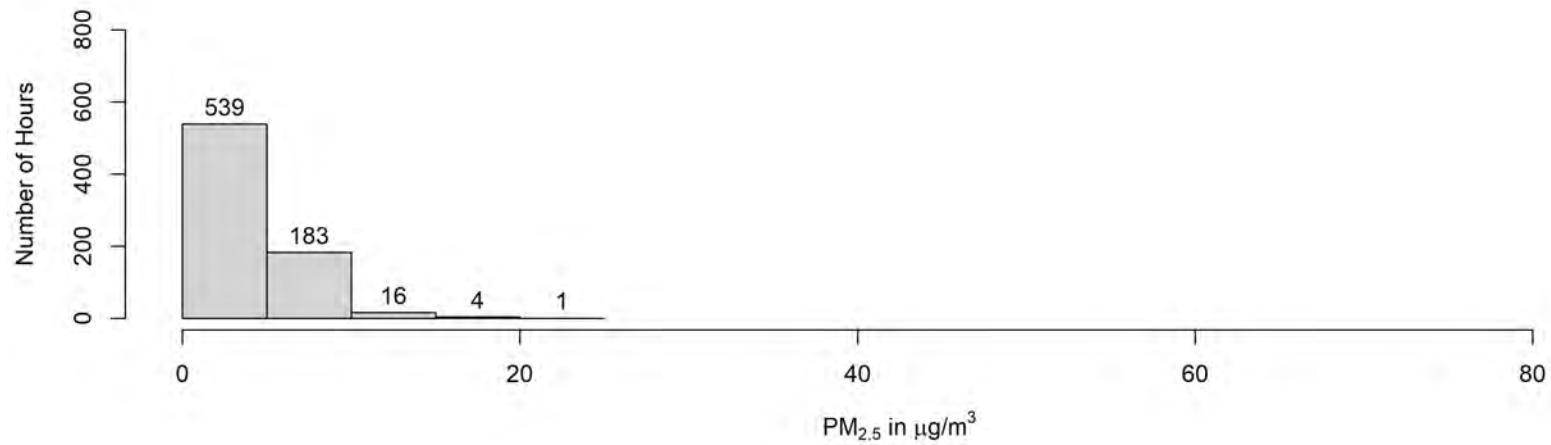
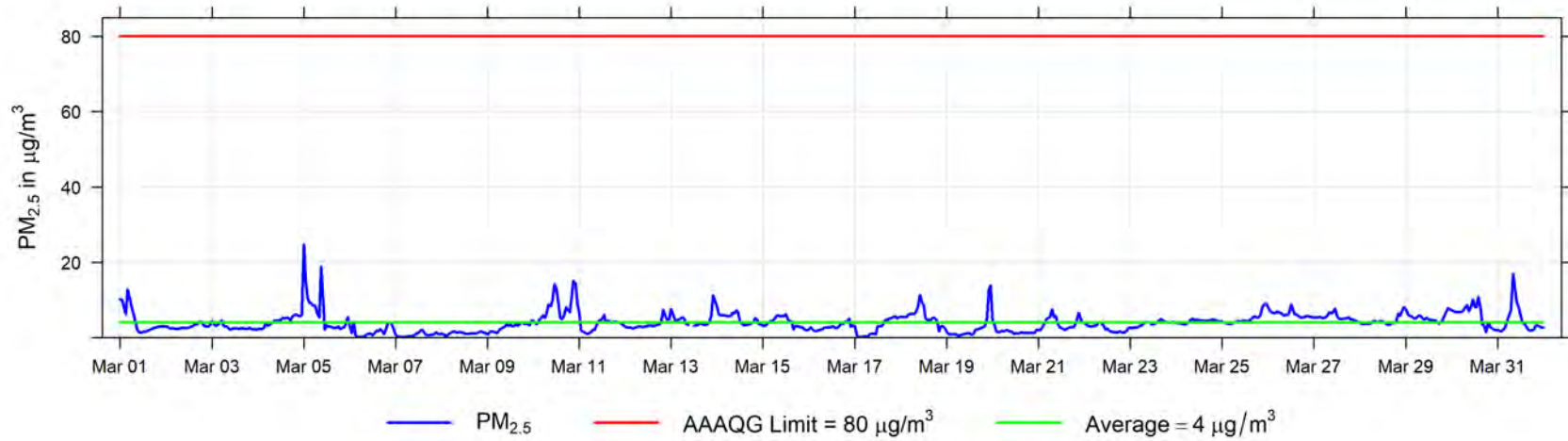
March 2026 Hourly Concentration Readings of NMHC (in ppm) at Henry Pirker



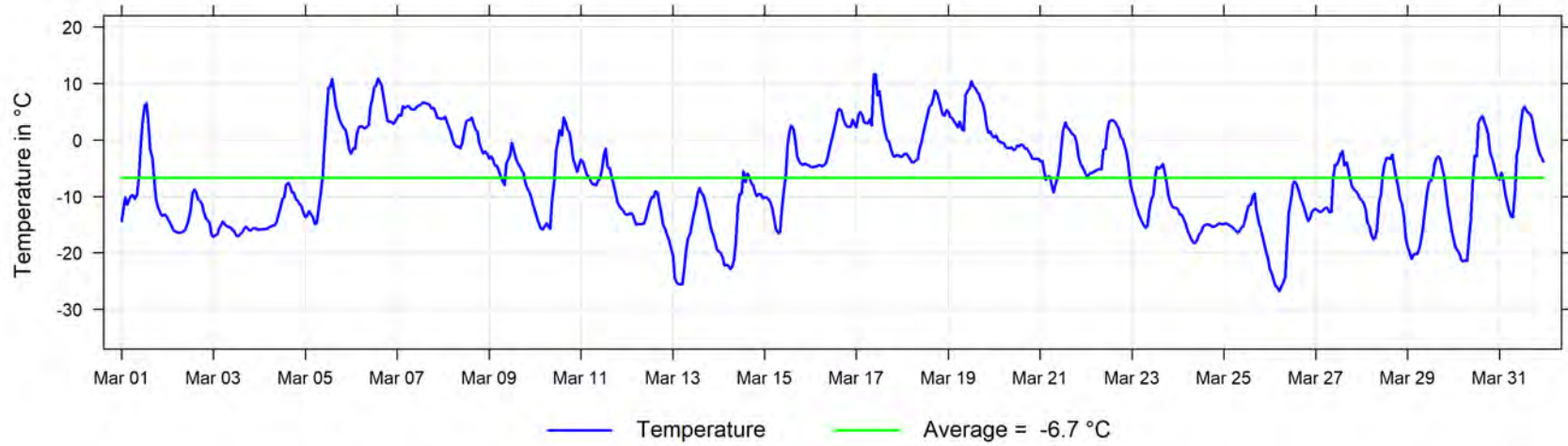
March 2026 Hourly Concentration Readings of CO (in ppm) at Henry Pirker



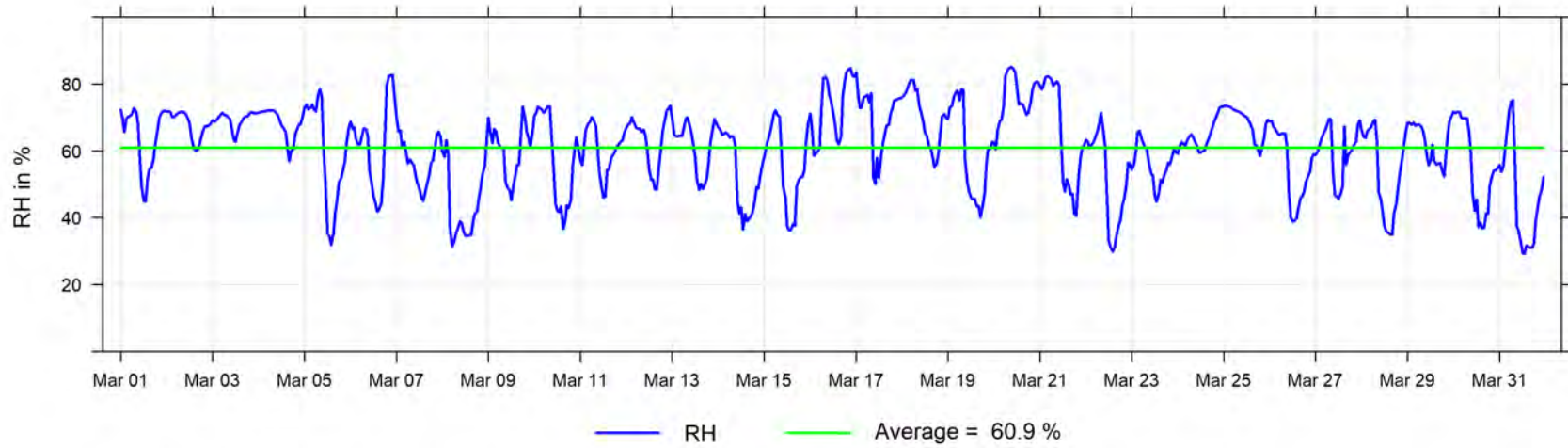
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Henry Pirker



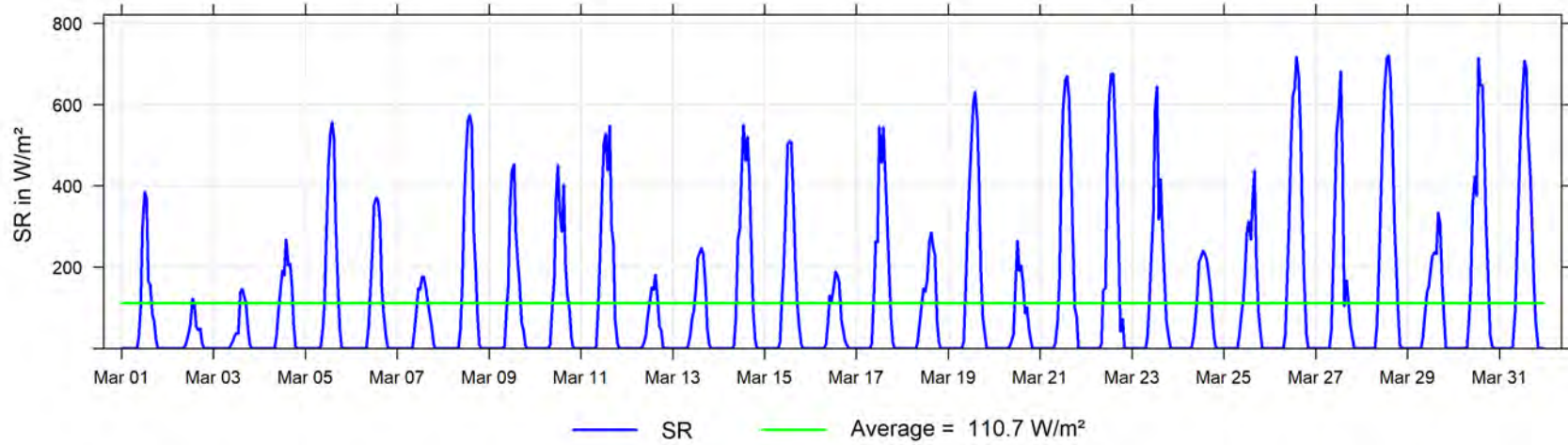
March 2026 Hourly Temperature Readings (in °C) at Henry Pirker



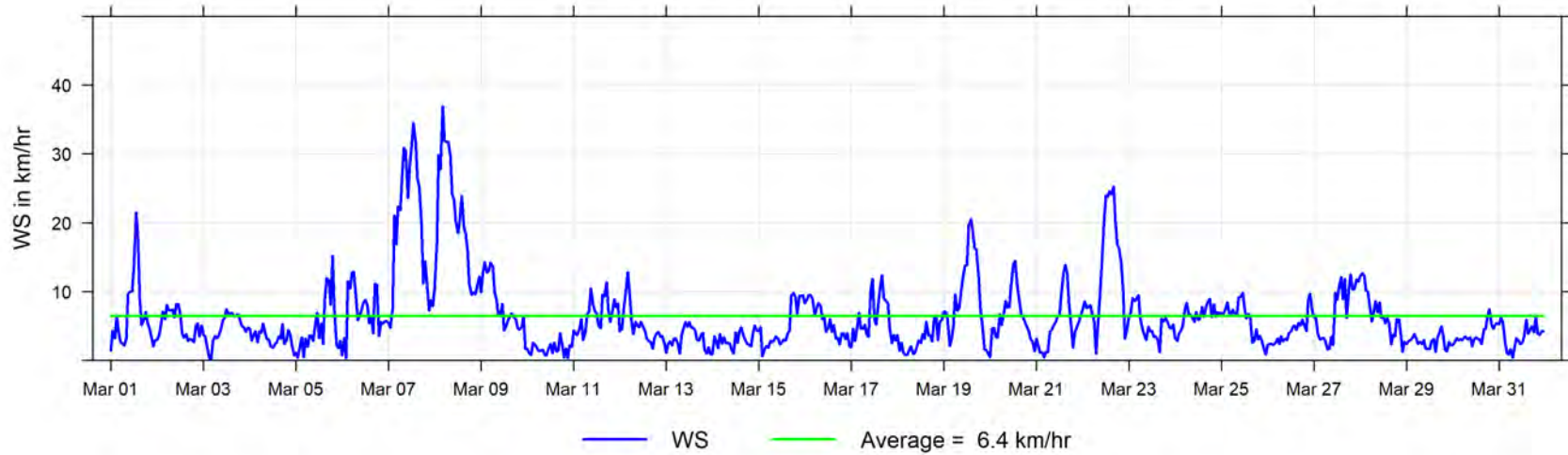
March 2026 Hourly Readings of Relative Humidity (in %) at Henry Pirker



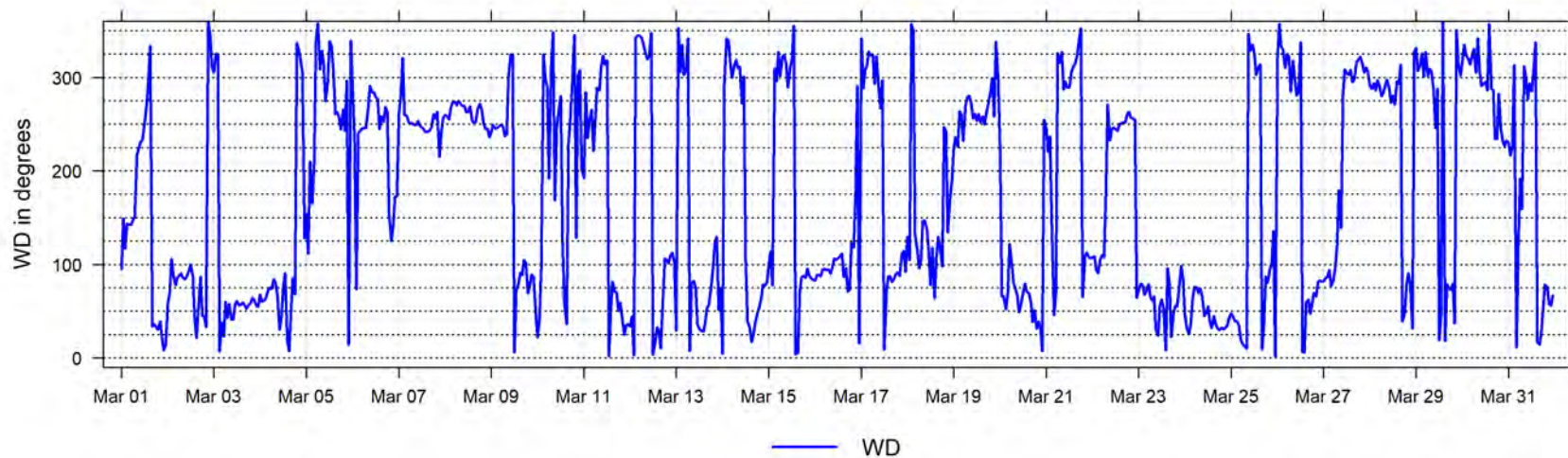
March 2026 Hourly Readings of Solar Radiation (in W/m<sup>2</sup>) at Henry Pirker



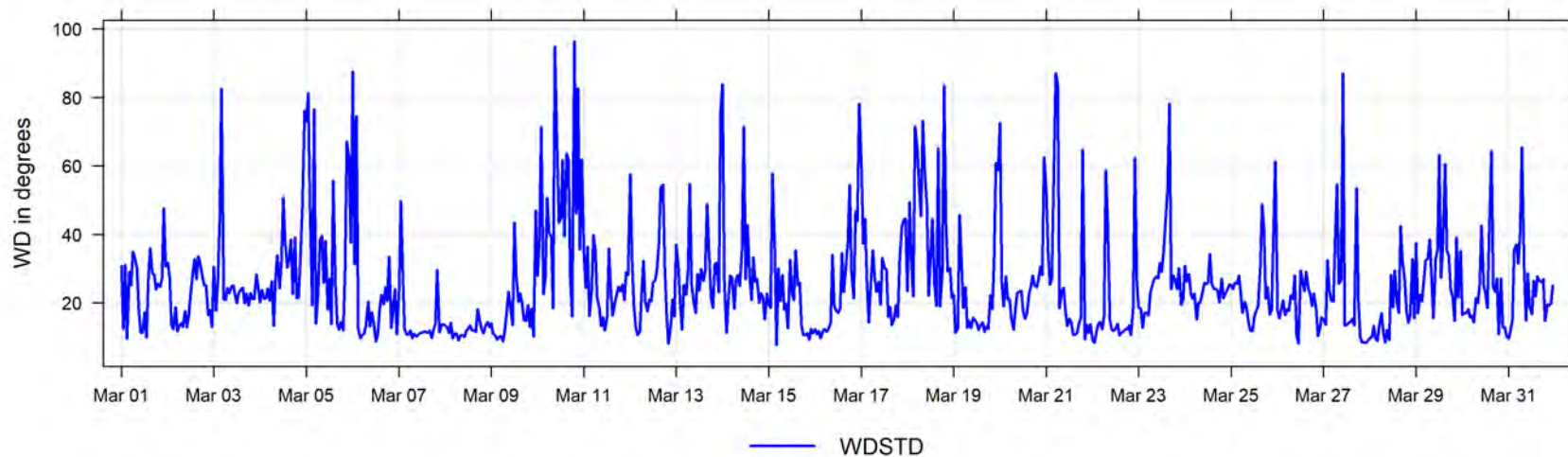
March 2026 Hourly Readings of Wind Speed (in km/hr) at Henry Pirker



March 2026 Hourly Readings of Wind Direction (in degrees) at Henry Pirker



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Henry Pirker

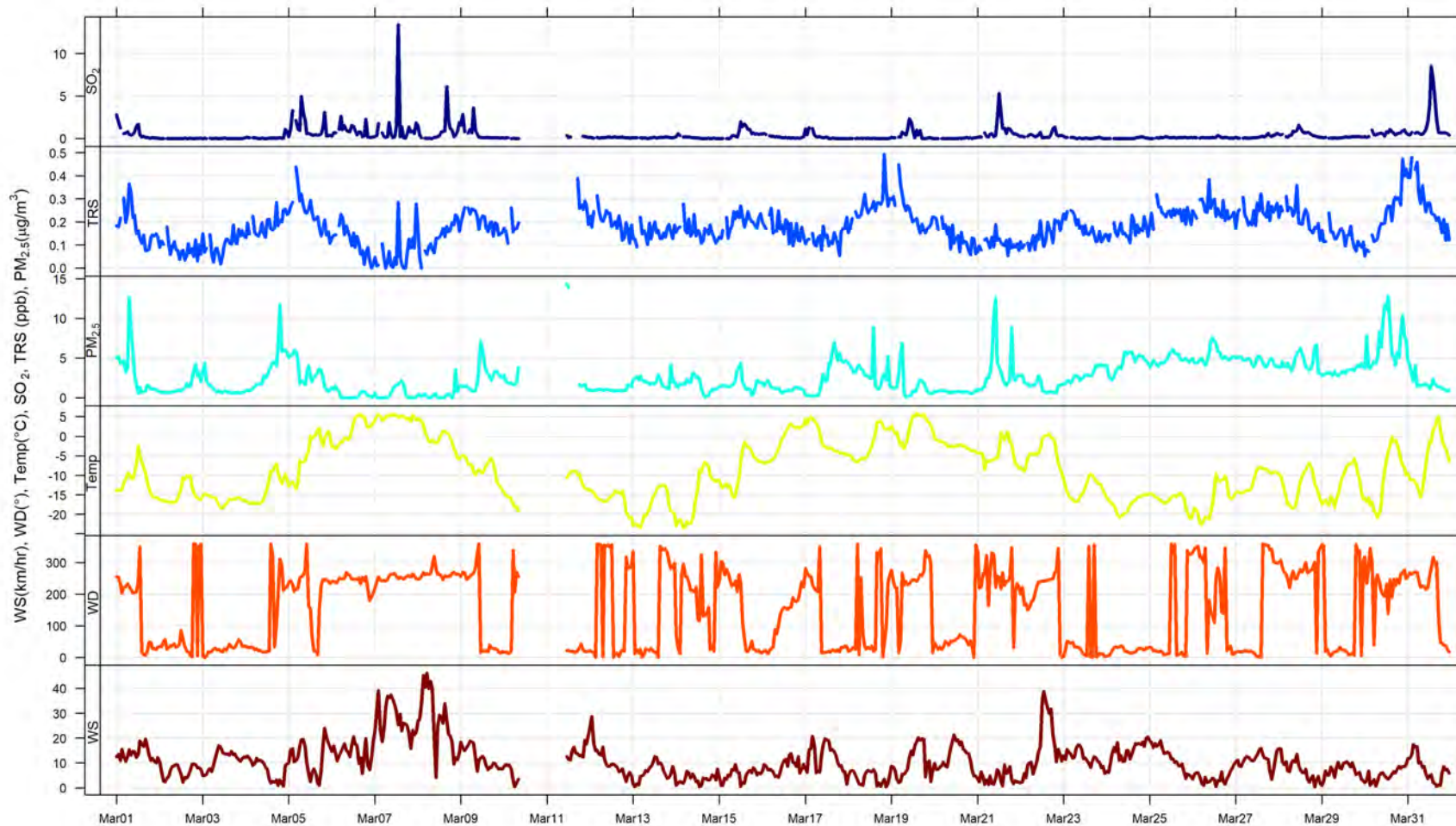




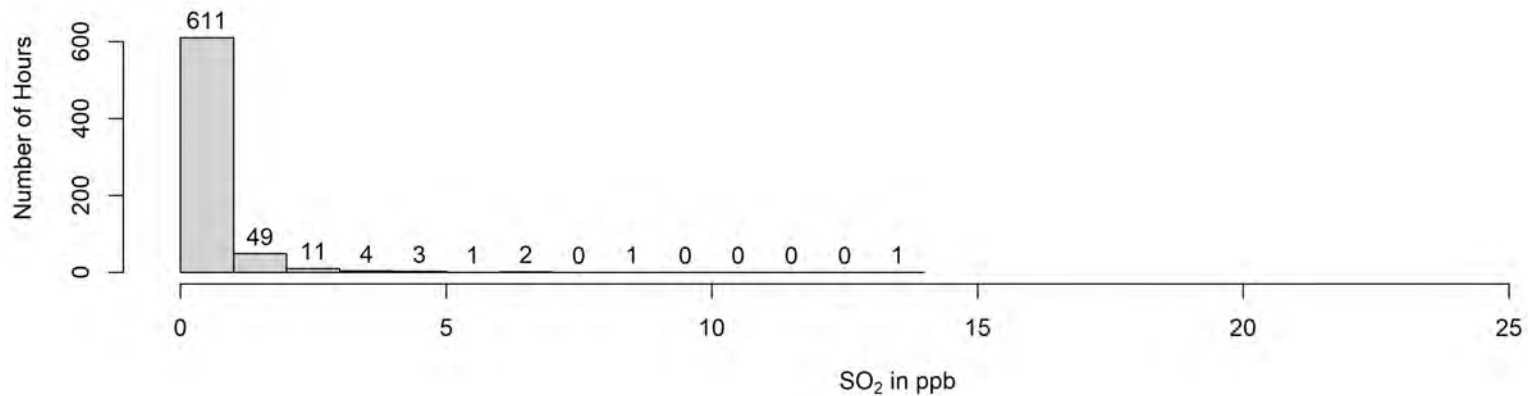
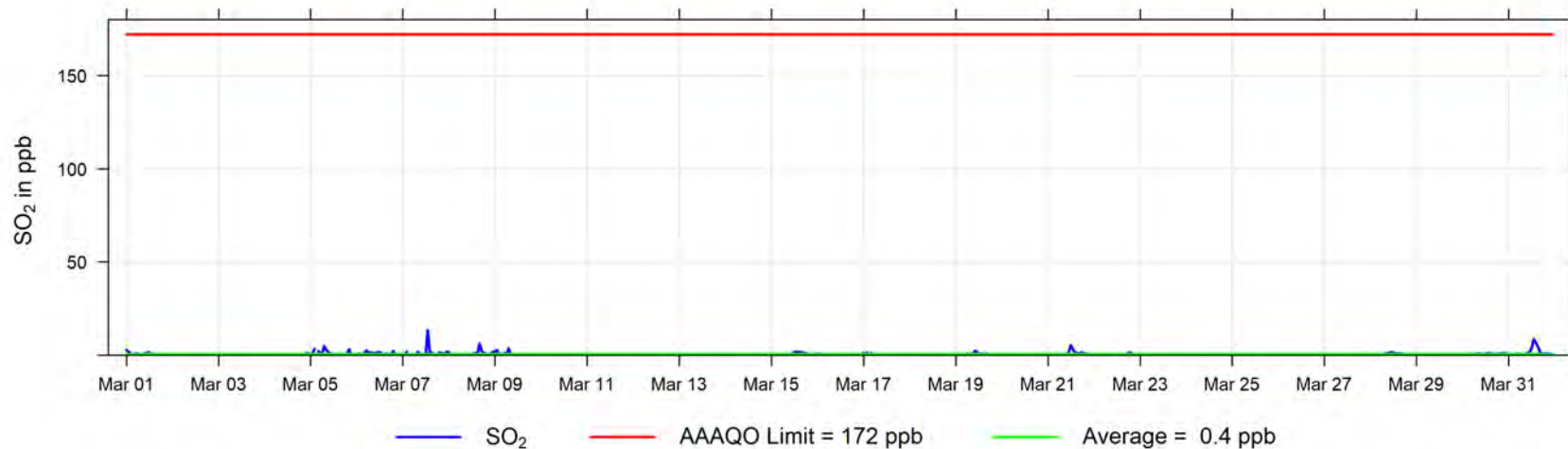
## 5 Smoky Heights Charts

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

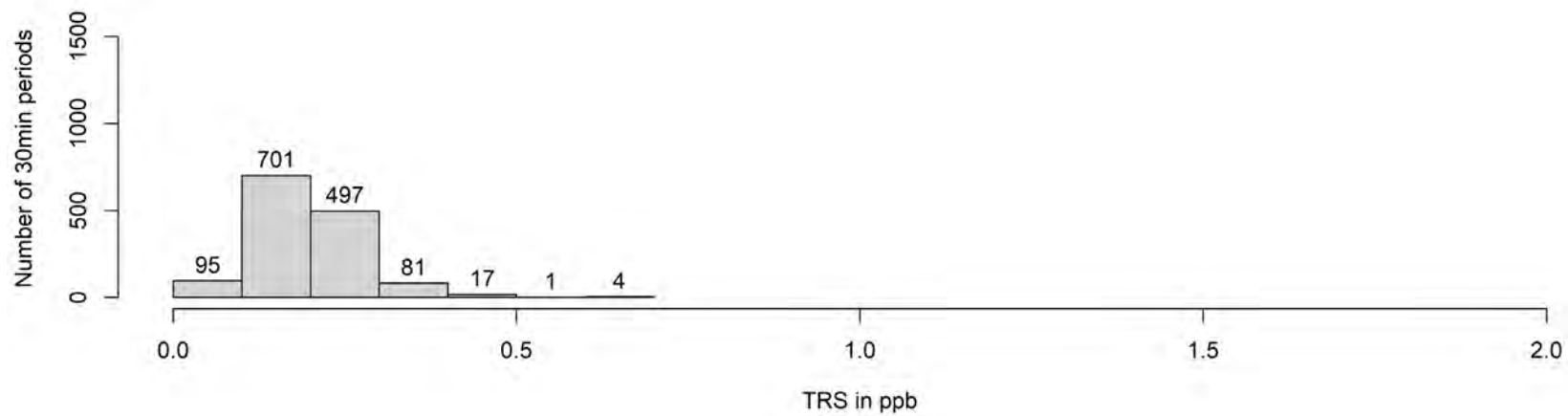
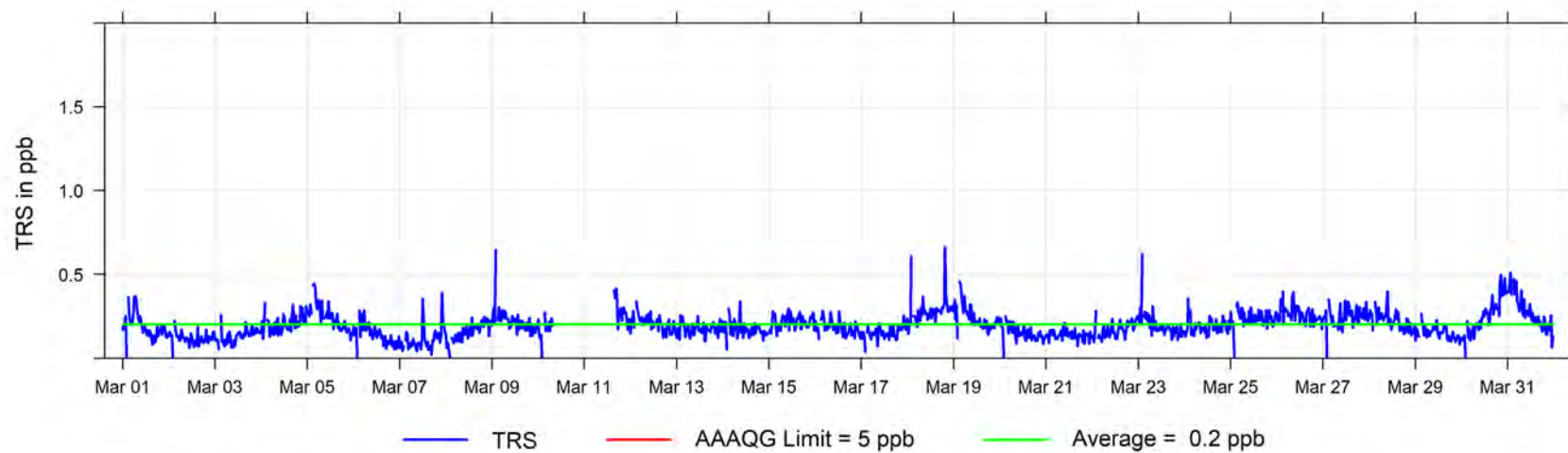
March 2026 Concentration Readings at Smoky Heights Station



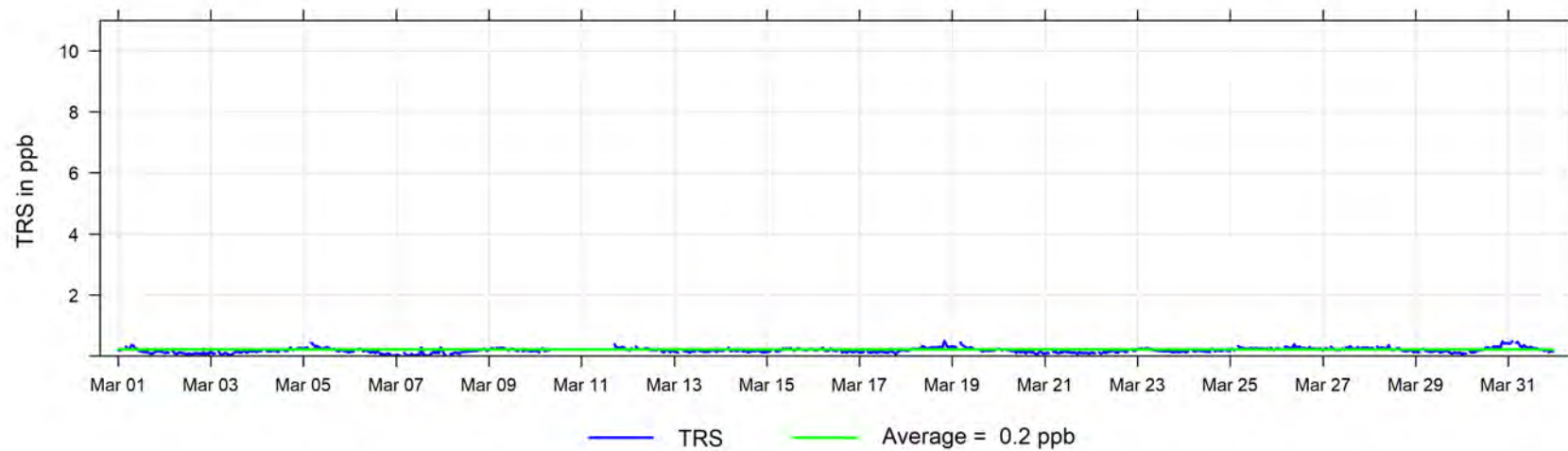
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Smoky Heights



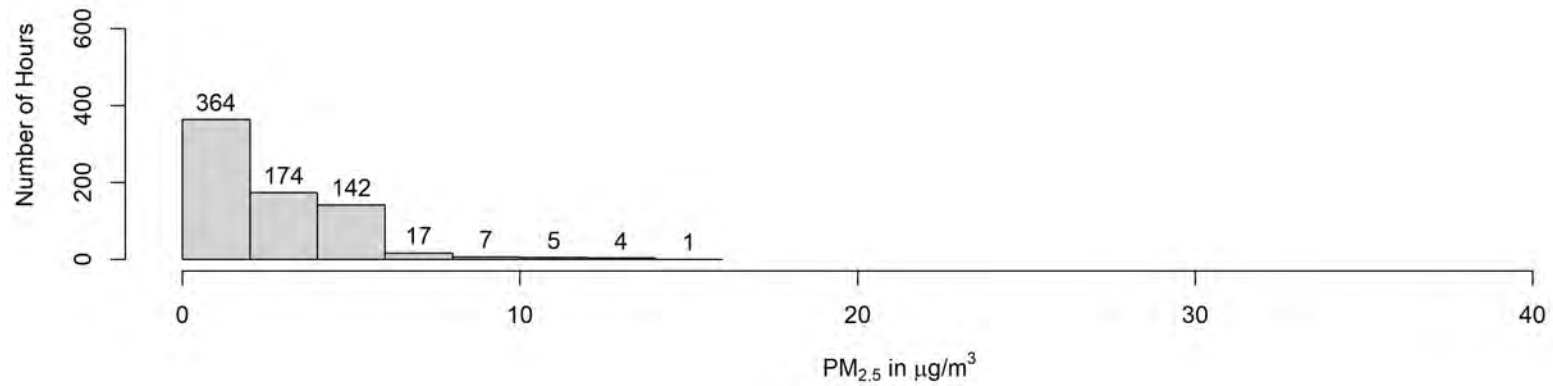
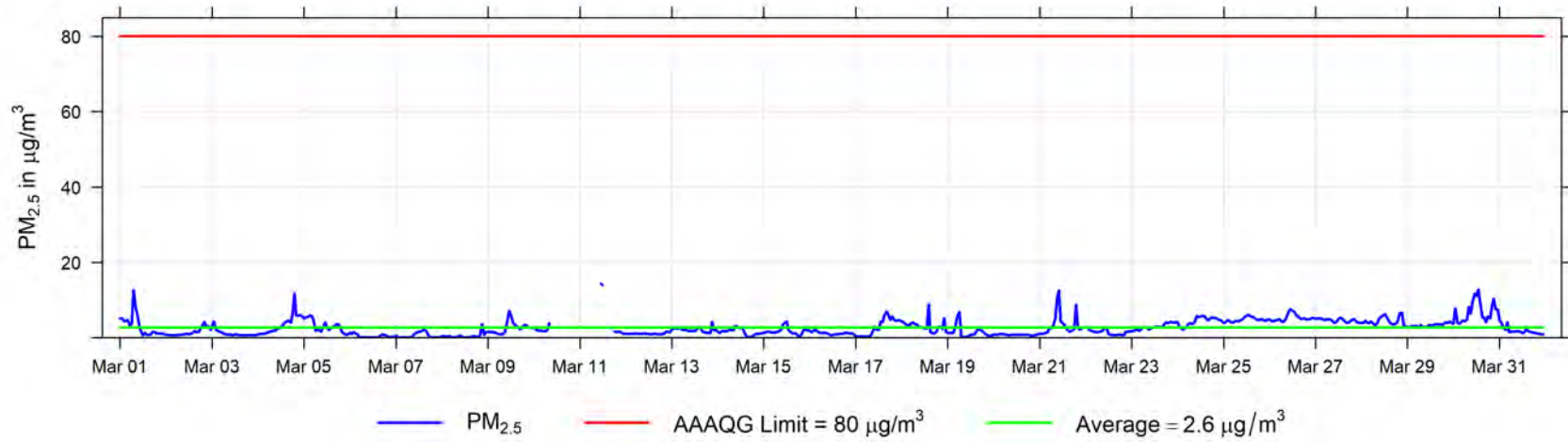
March 2026 30 min Concentration Readings of TRS (in ppb) at Smoky Heights



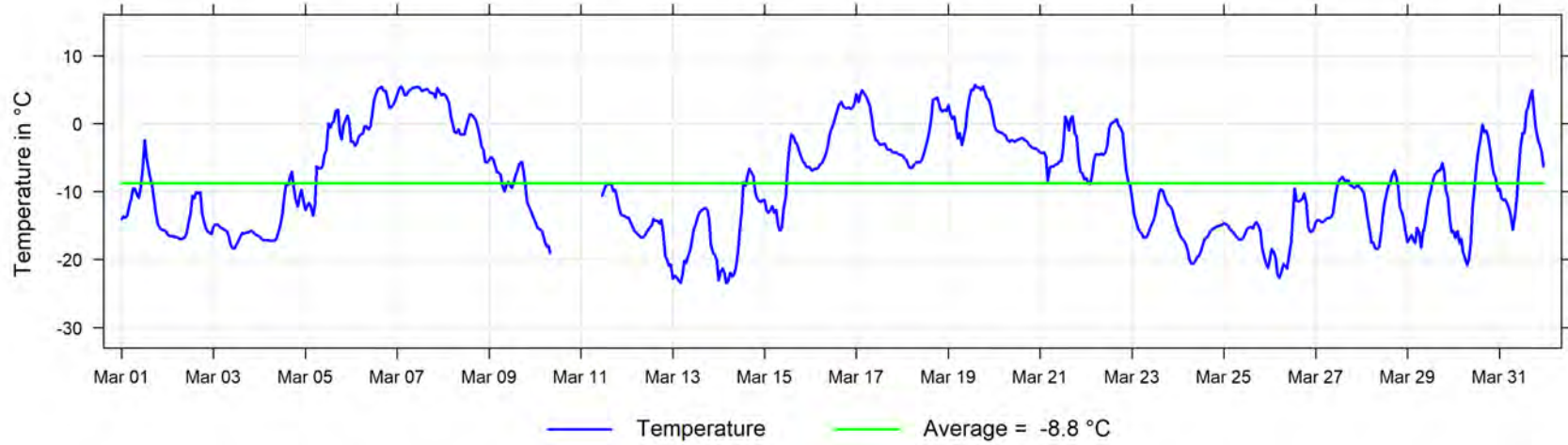
March 2026 Hourly Concentration Readings of TRS (in ppb) at Smoky Heights



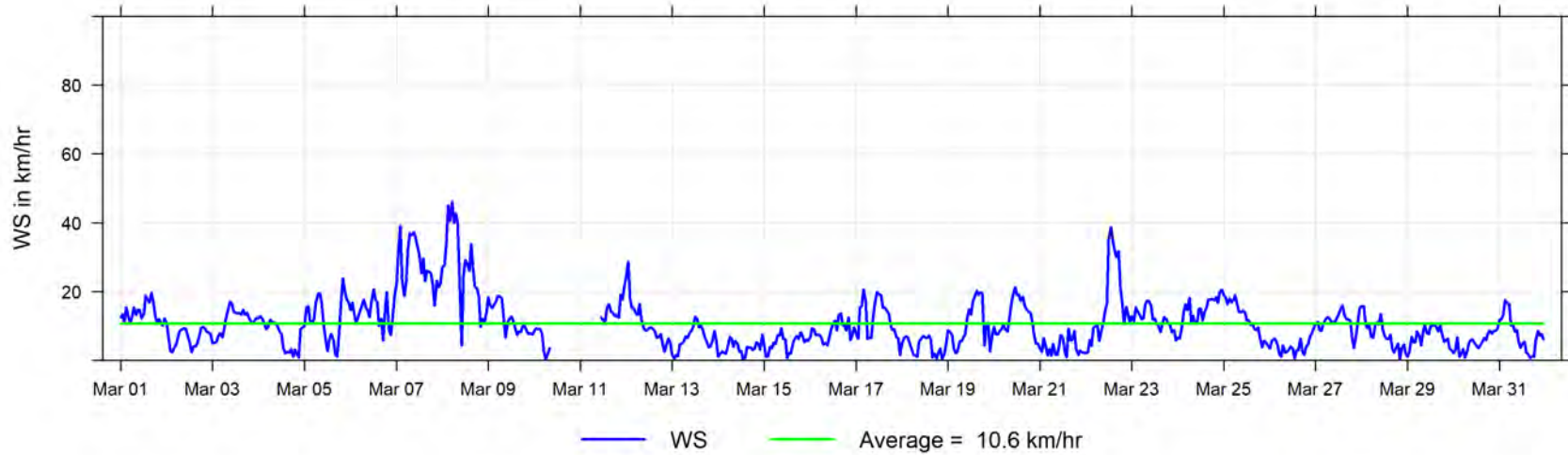
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Smoky Heights



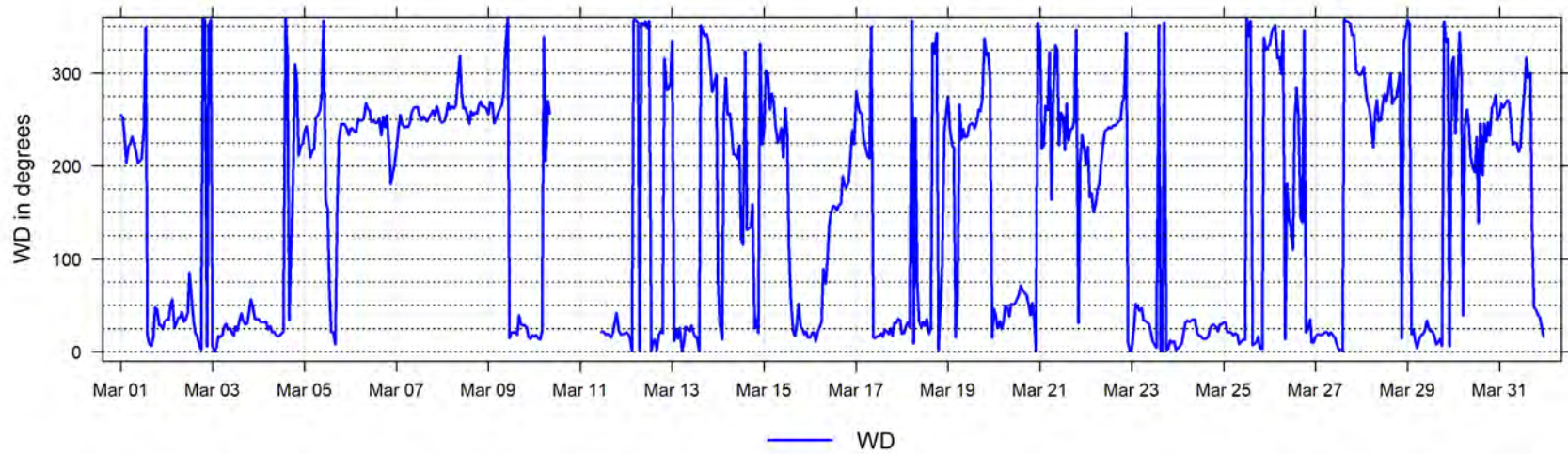
March 2026 Hourly Temperature Readings (in °C) at Smoky Heights



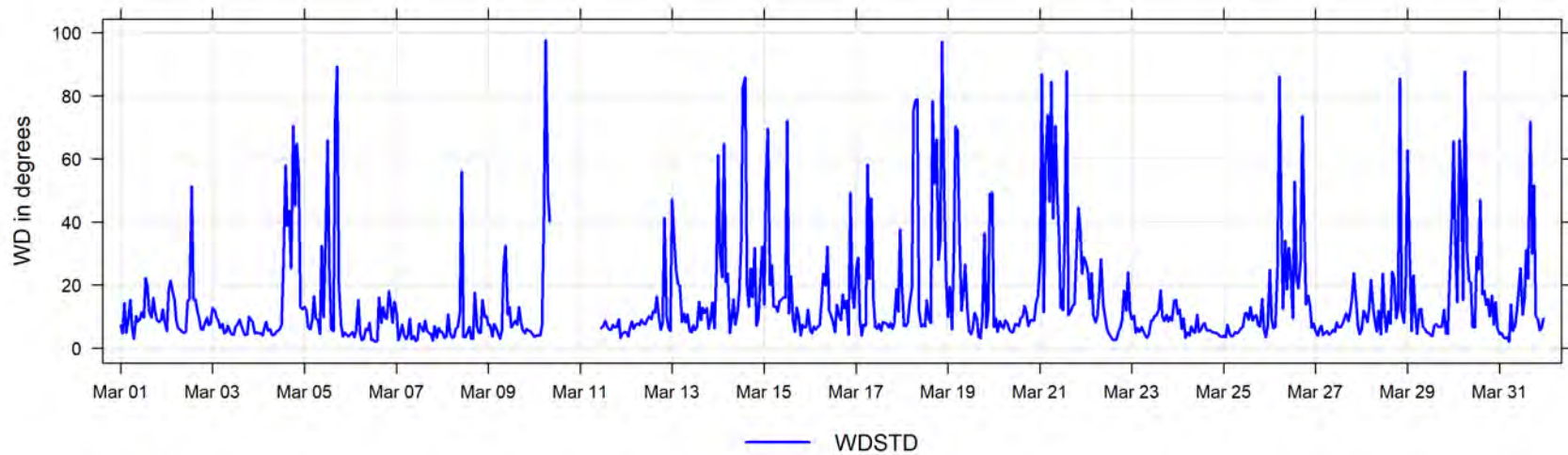
March 2026 Hourly Readings of Wind Speed (in km/hr) at Smoky Heights

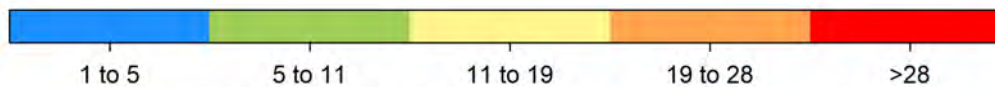
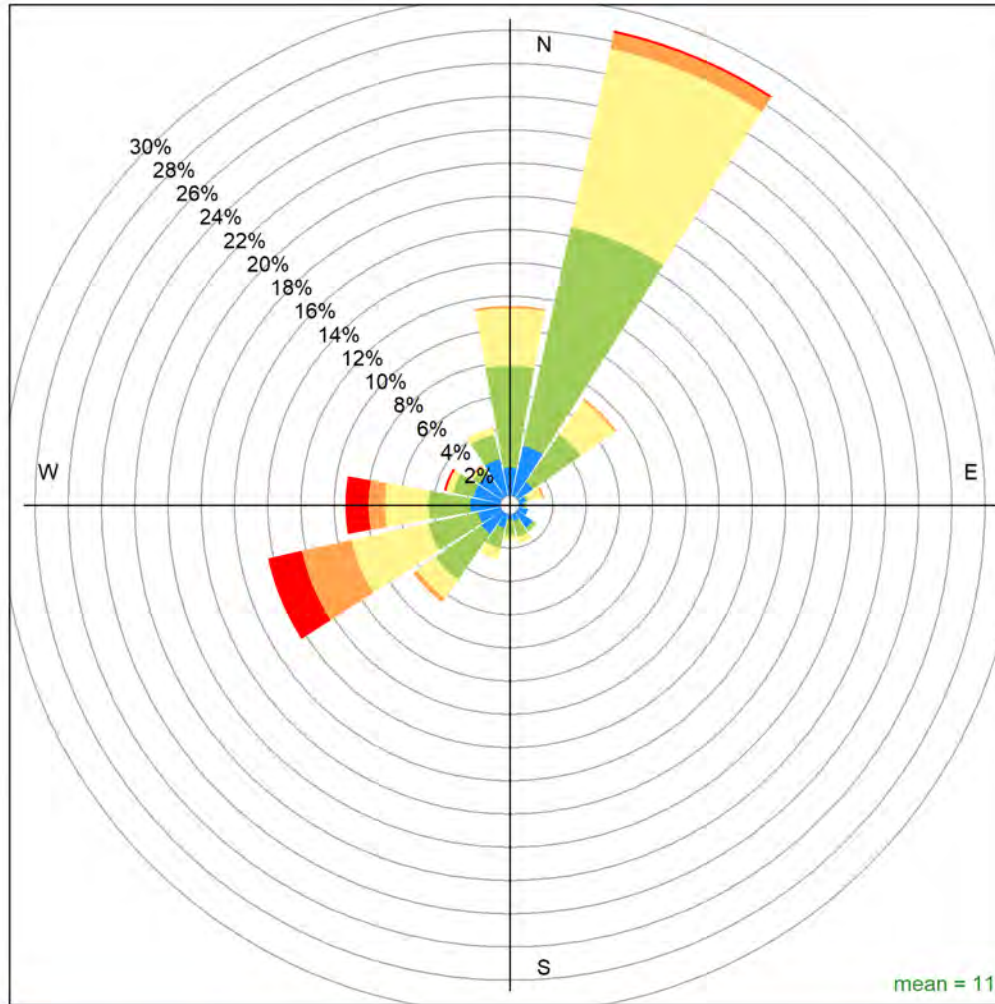


March 2026 Hourly Readings of Wind Direction (in degrees) at Smoky Heights



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Smoky Heights





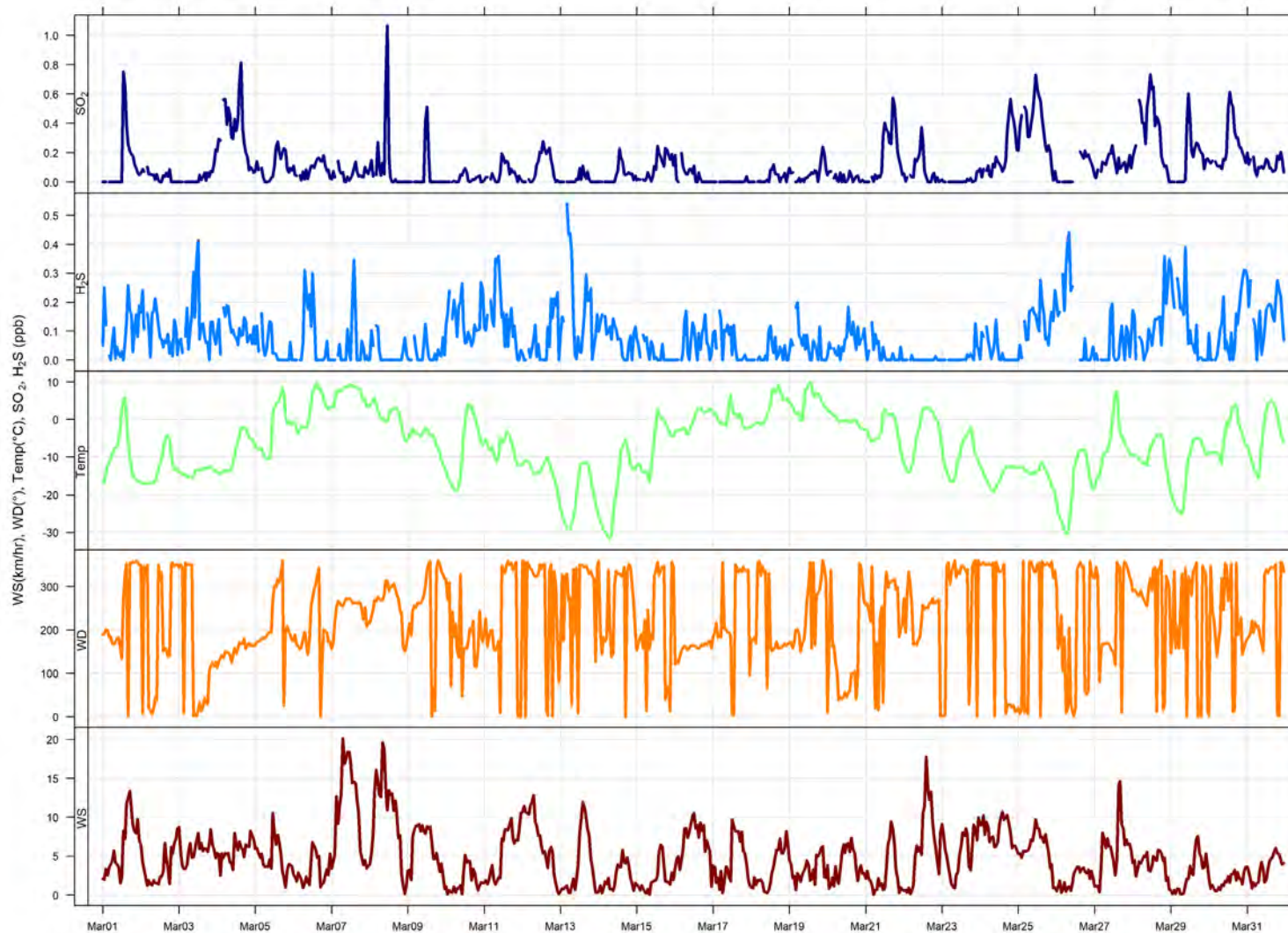
Smoky Heights March 2026 Wind Rose, wind speed in km/hr

**Calms (<1km/hr) = 2.5 %**

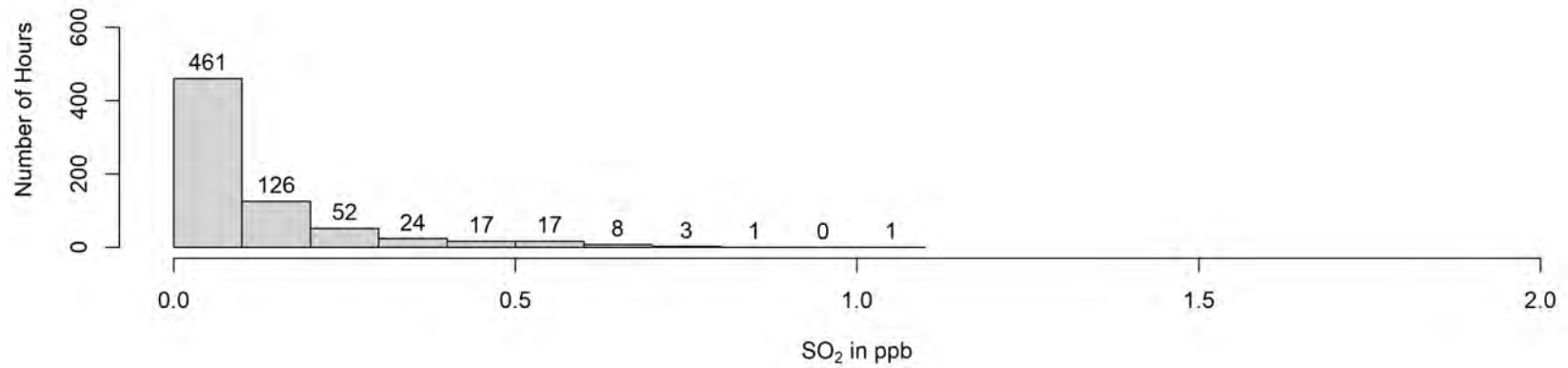
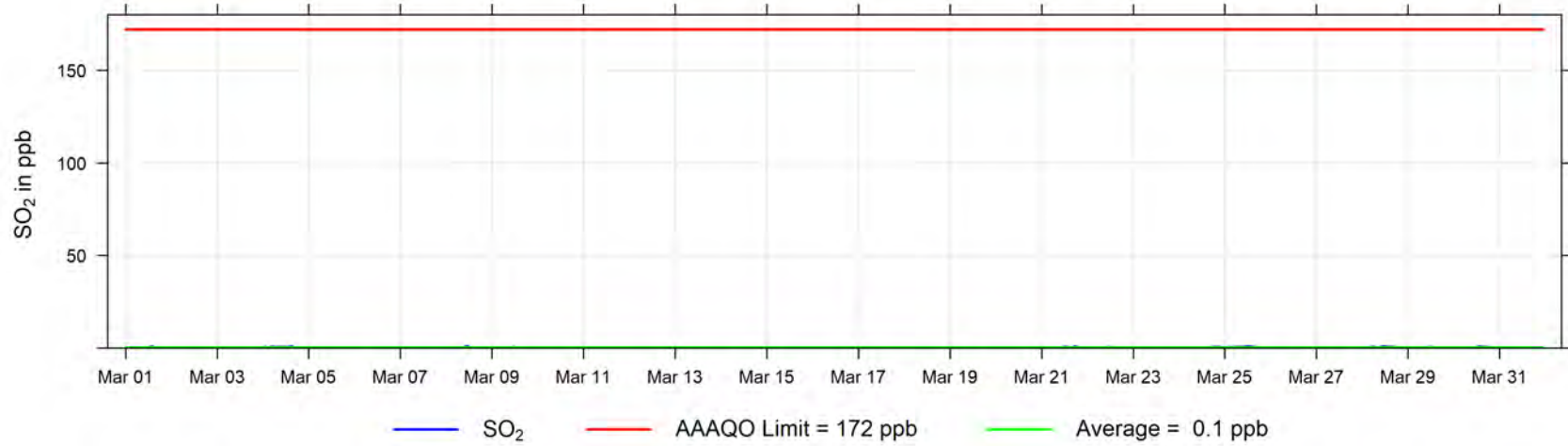
## 6 Valleyview Charts

The following pages include the charts and histograms for Valleyview Station

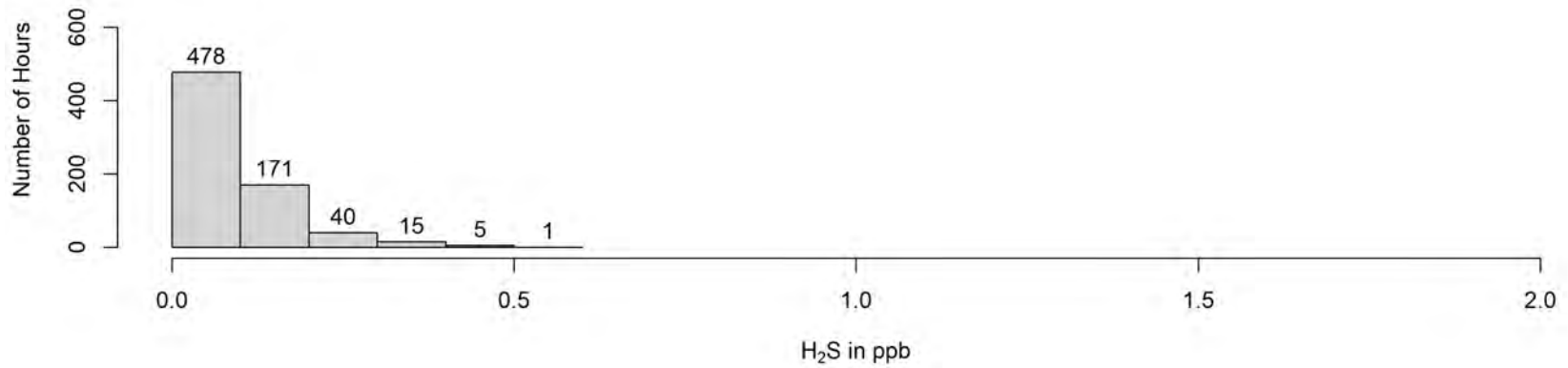
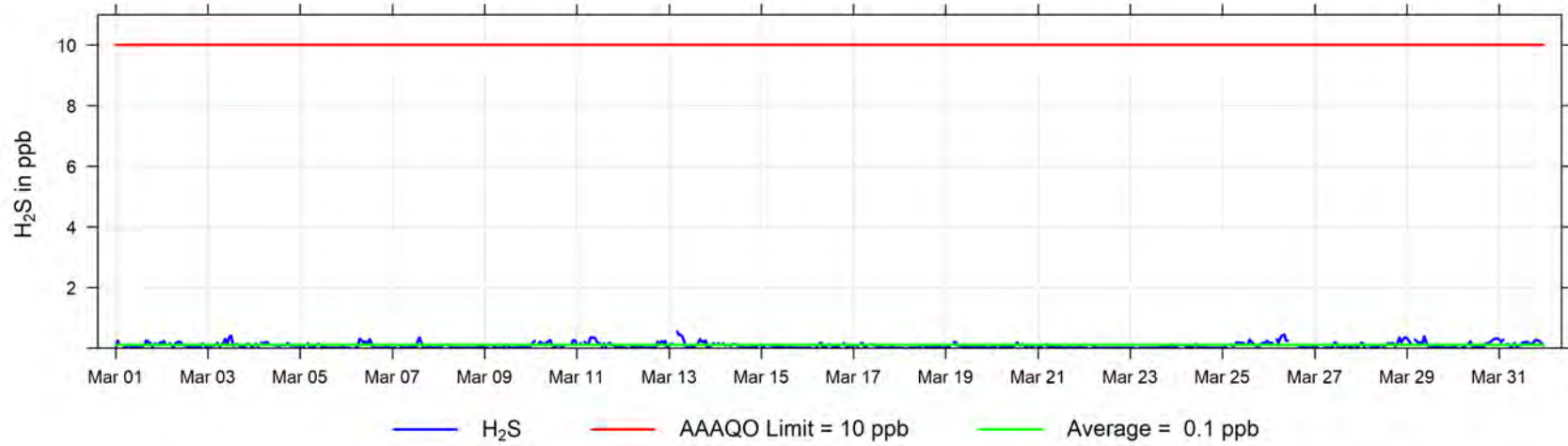
March 2026 Concentration Readings at Valleyview Station



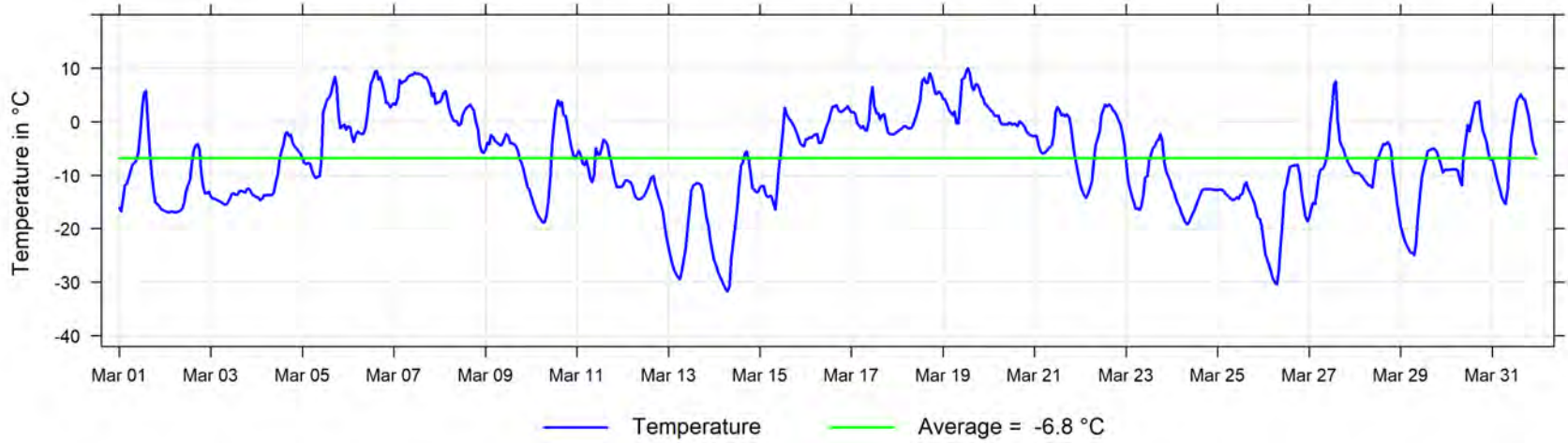
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Valleyview



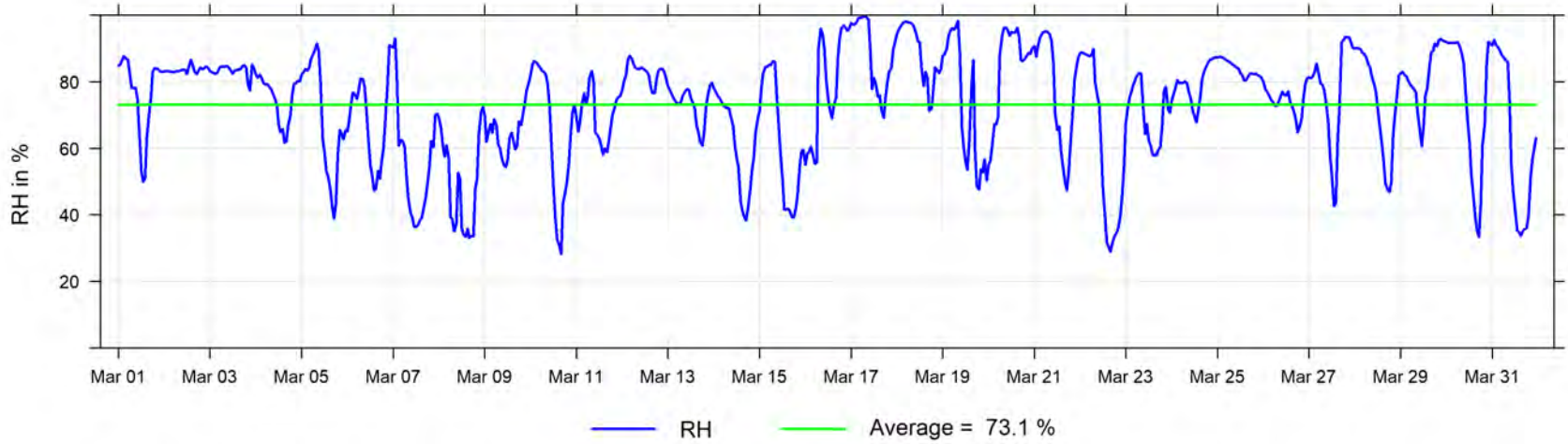
March 2026 Hourly Concentration Readings of H<sub>2</sub>S (in ppb) at Valleyview



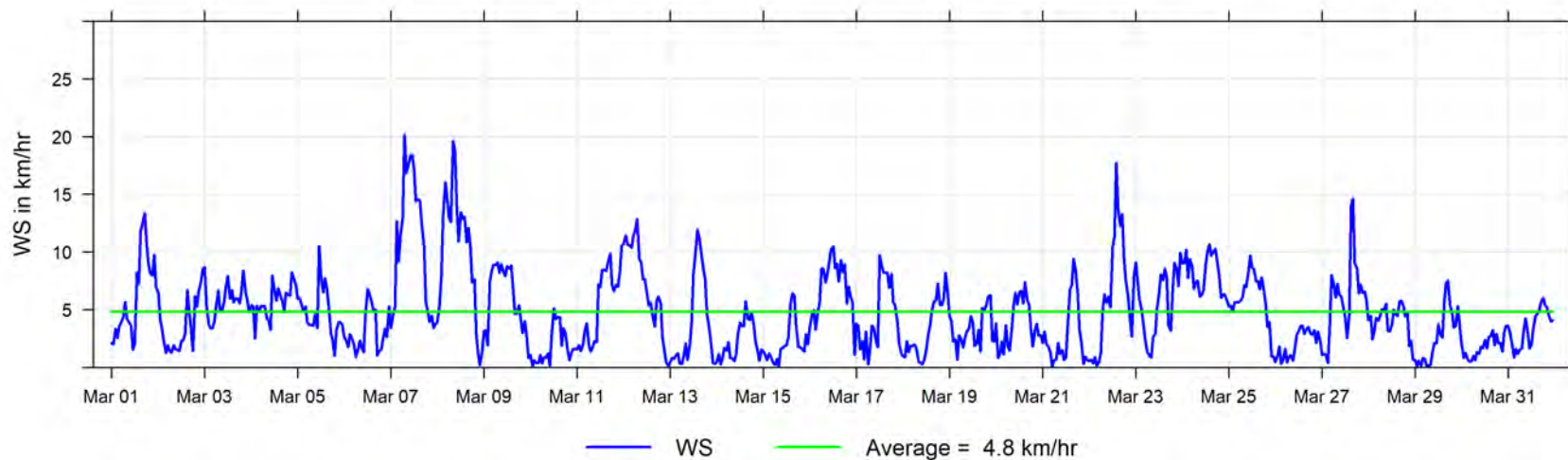
March 2026 Hourly Temperature Readings (in °C) at Valleyview



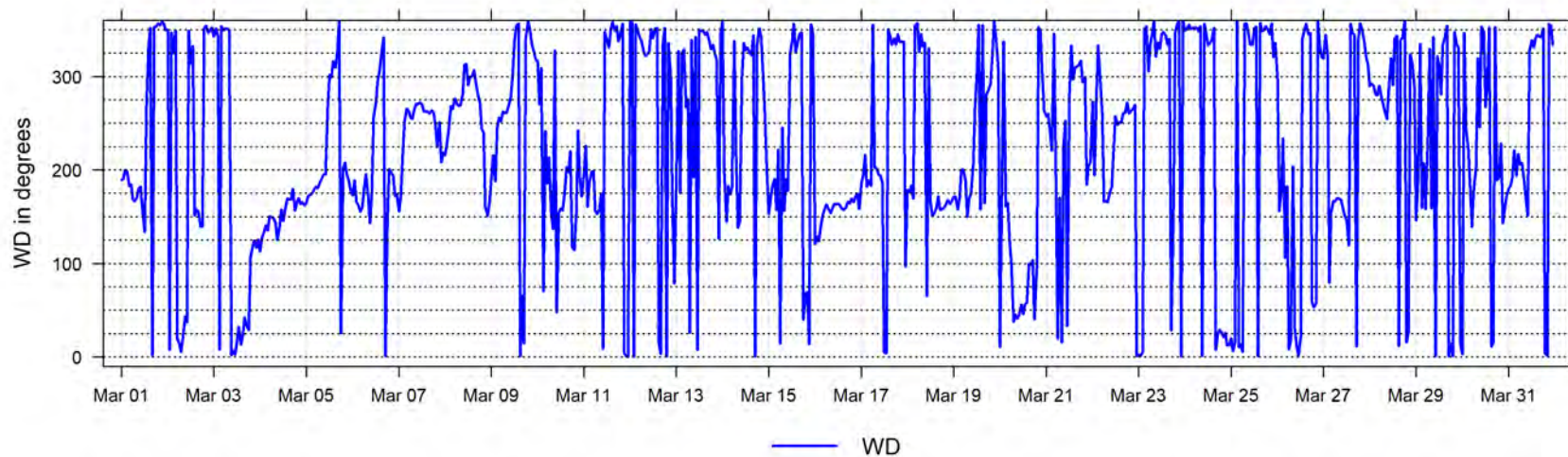
March 2026 Hourly Readings of Relative Humidity (in %) at Valleyview



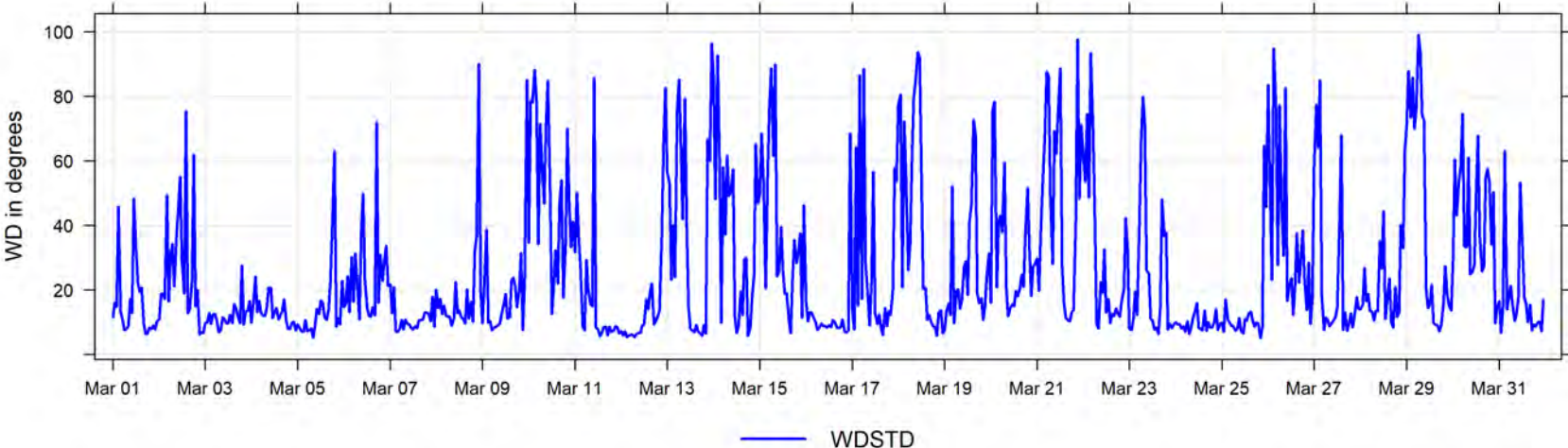
March 2026 Hourly Readings of Wind Speed (in km/hr) at Valleyview

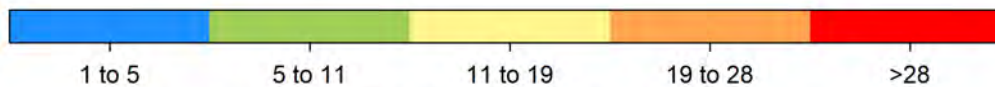
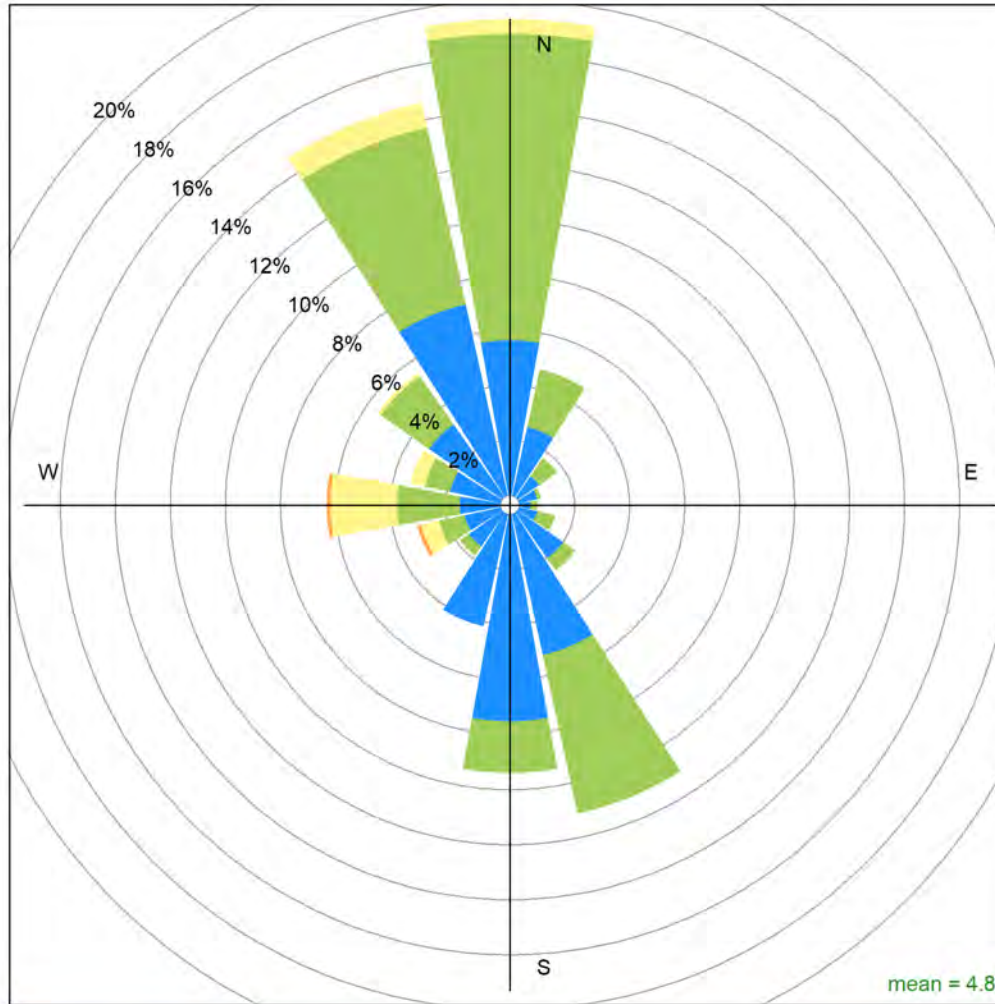


March 2026 Hourly Readings of Wind Direction (in degrees) at Valleyview



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Valleyview



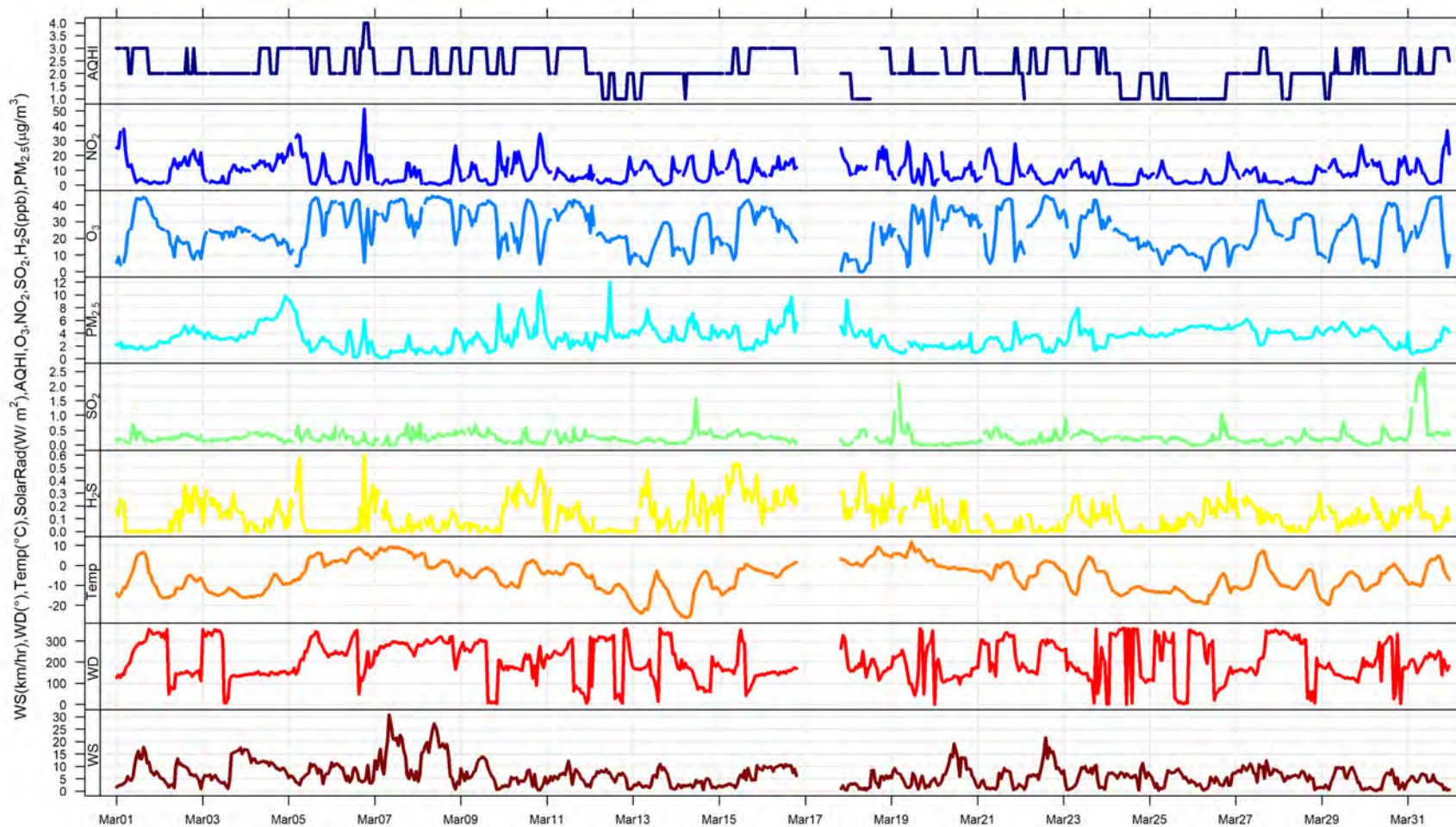


Valleyview March 2026 Wind Rose, wind speed in km/hr  
**Calms (<1km/hr) = 11.4 %**

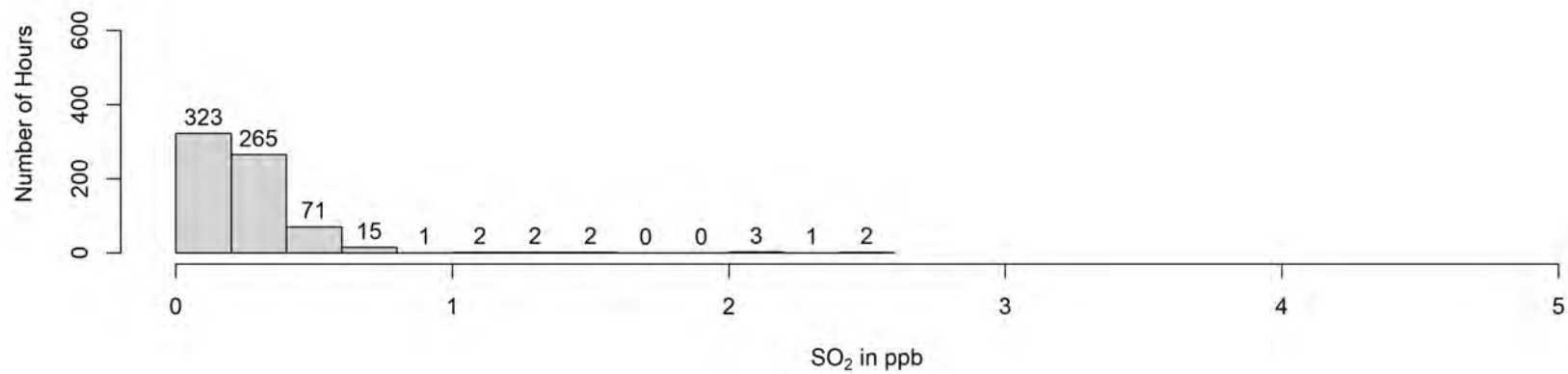
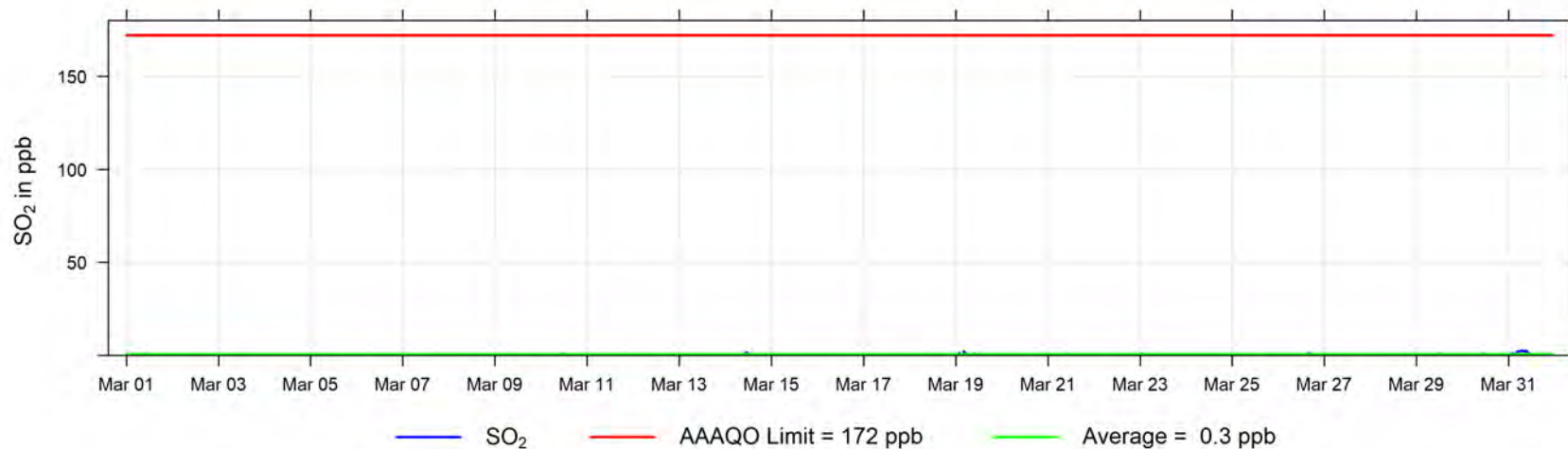
## 7 Fox Creek Charts

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

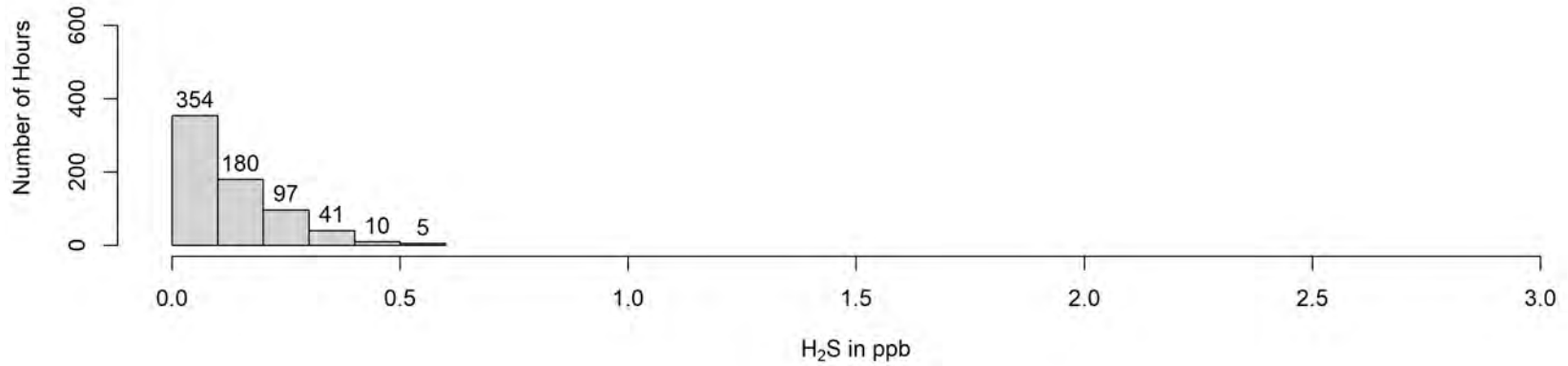
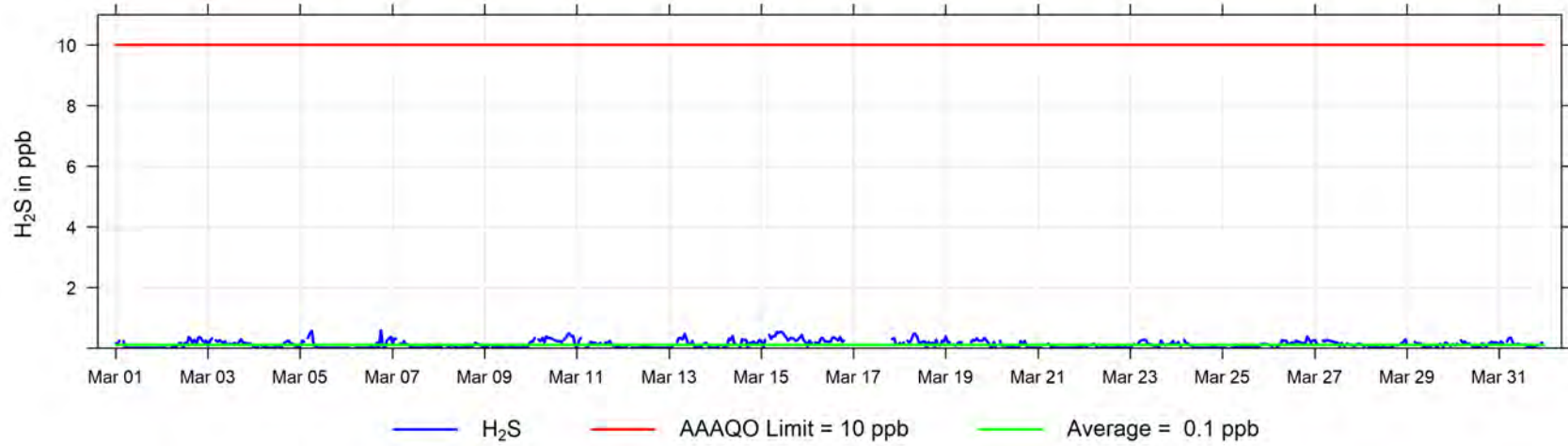
March 2026 Concentration Readings at Fox Creek Station



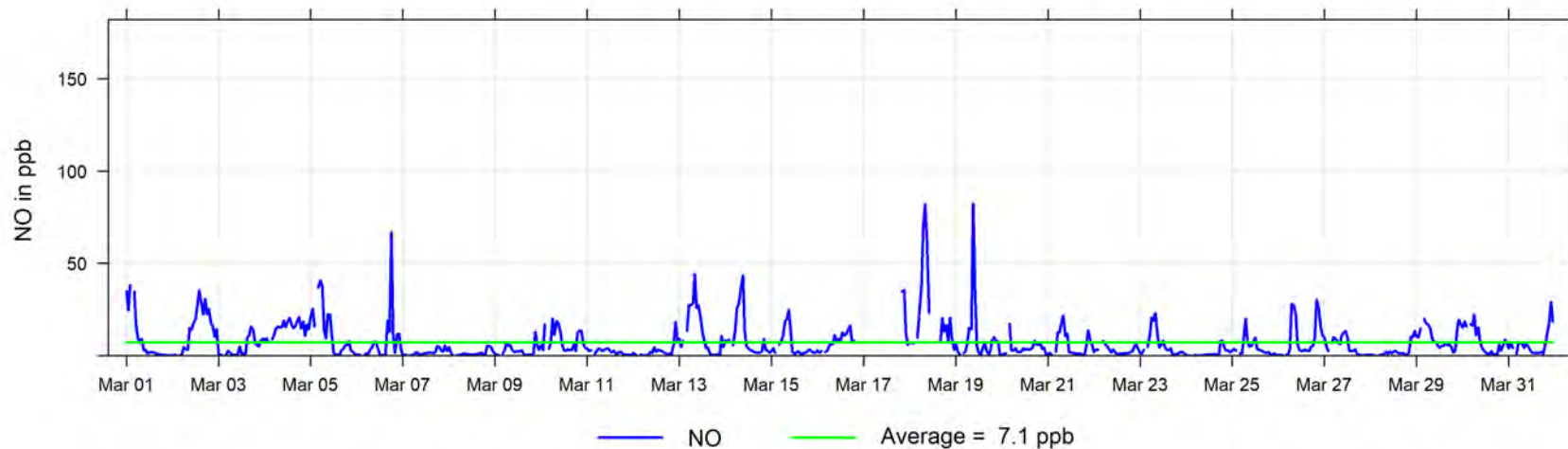
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Fox Creek



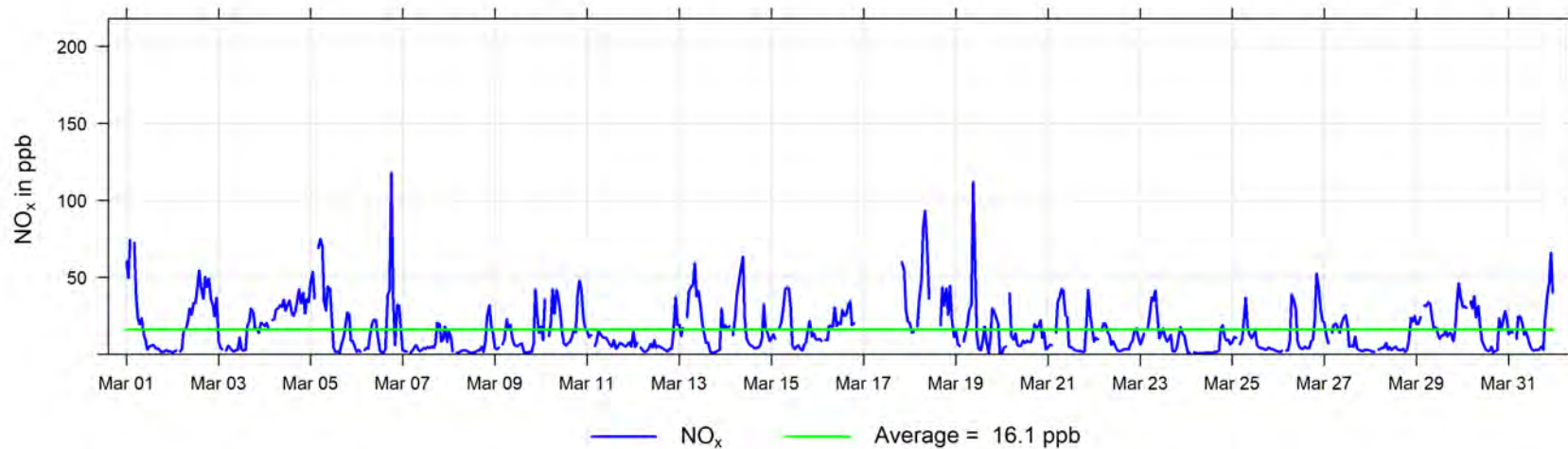
March 2026 Hourly Concentration Readings of H<sub>2</sub>S (in ppb) at Fox Creek



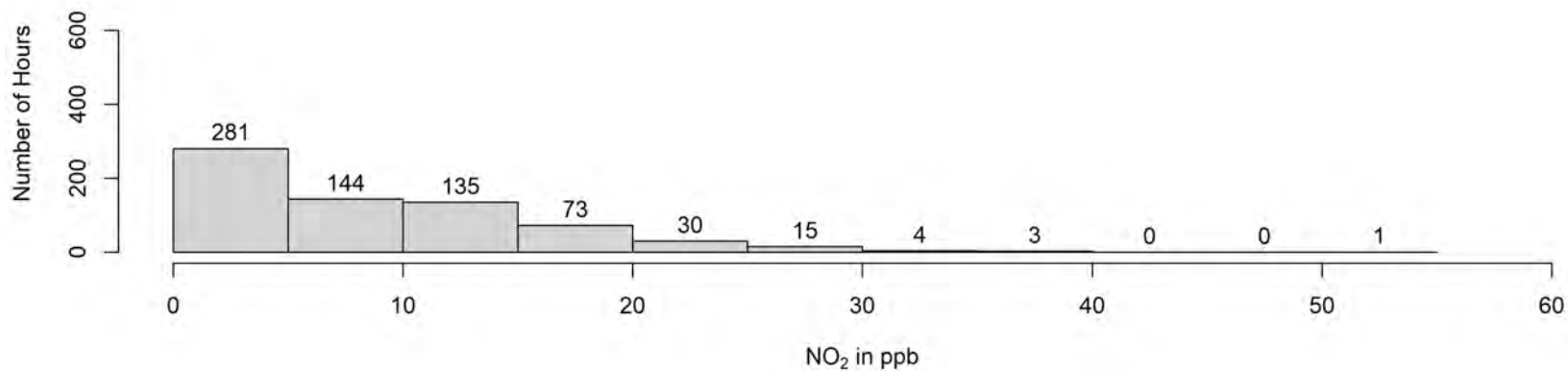
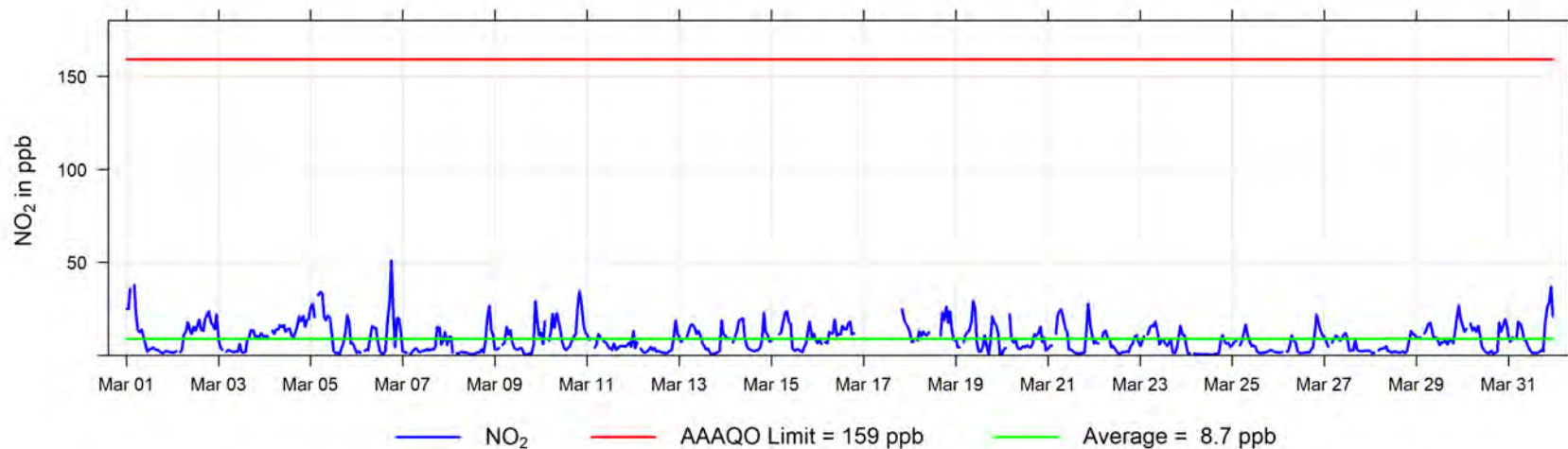
March 2026 Hourly Concentration Readings of NO (in ppb) at Fox Creek



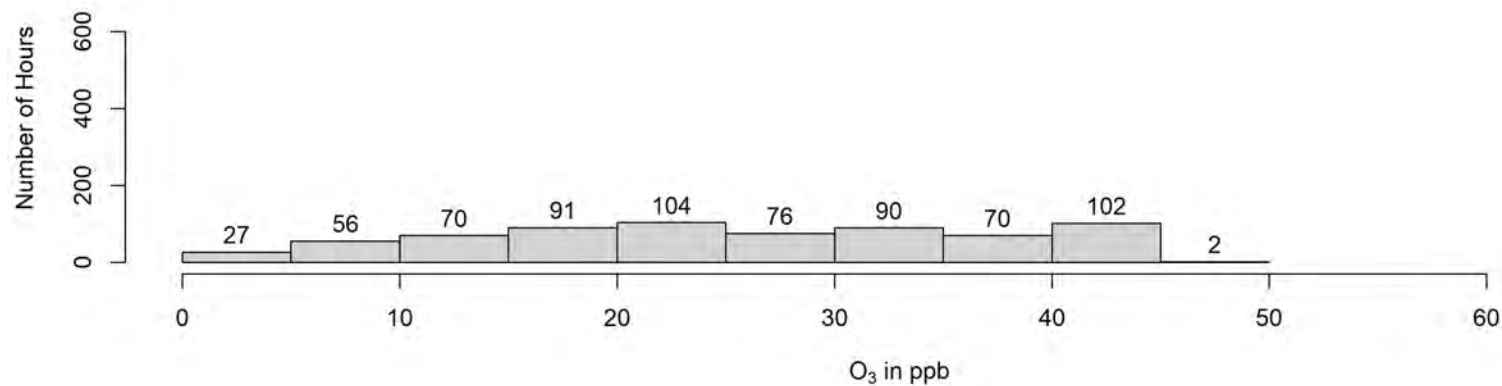
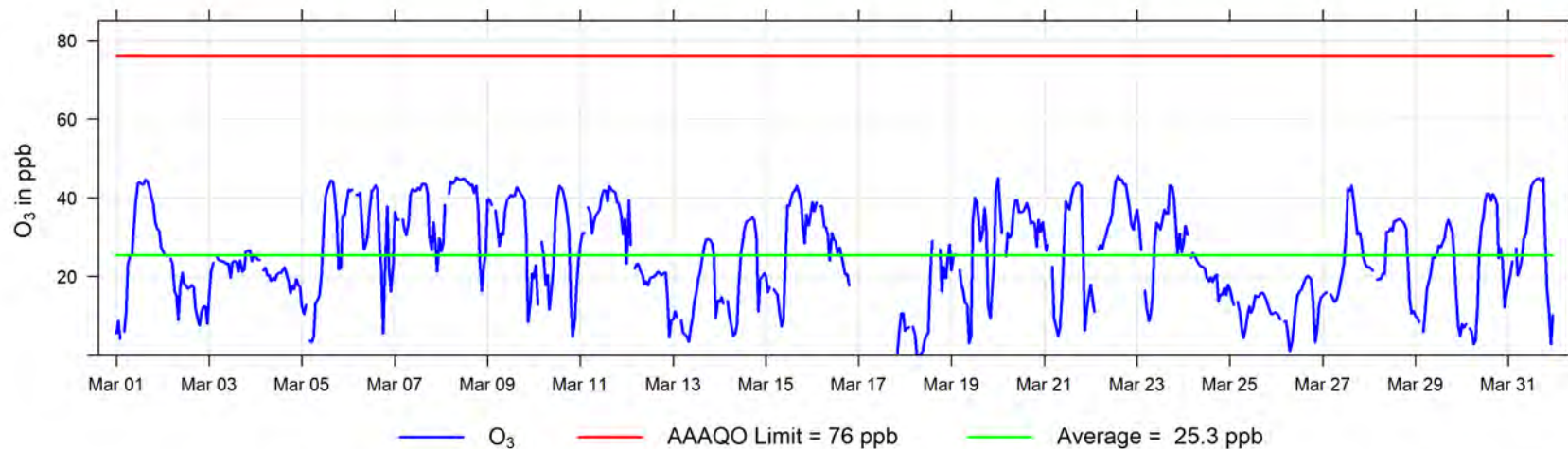
March 2026 Hourly Concentration Readings of NO<sub>x</sub> (in ppb) at Fox Creek



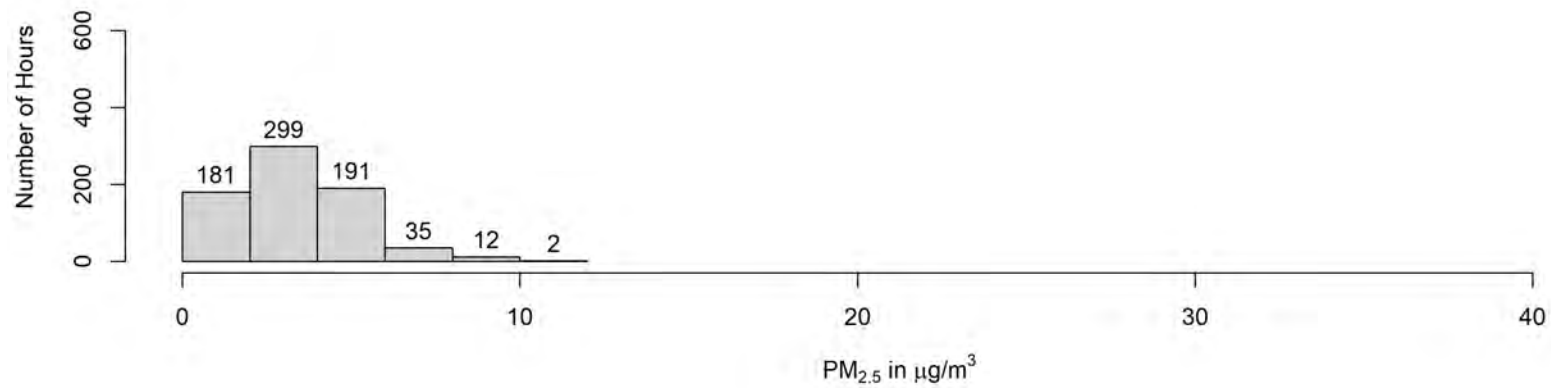
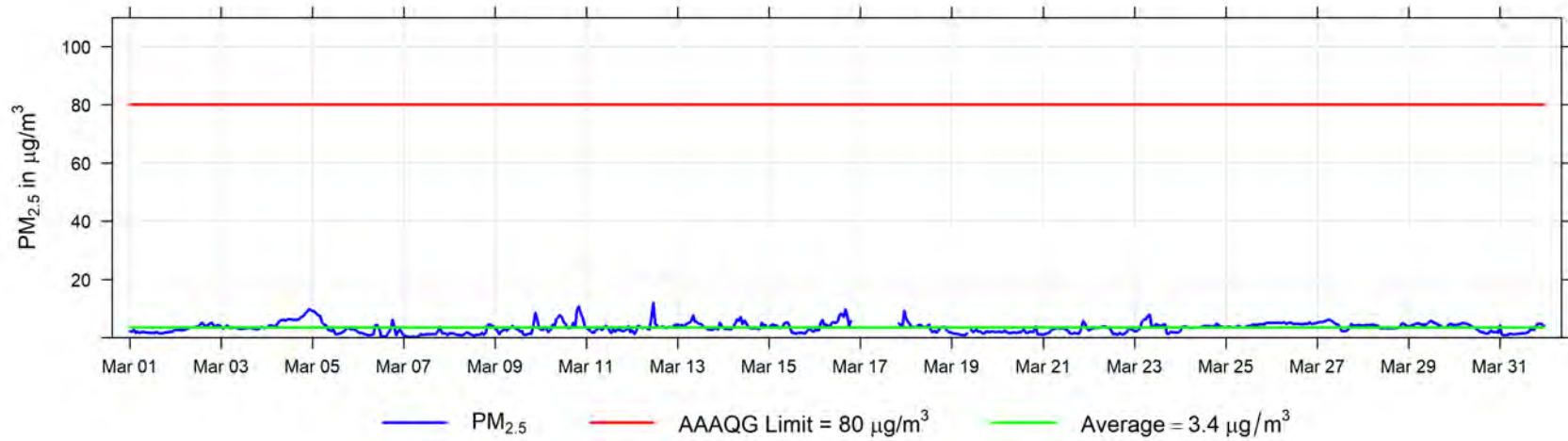
March 2026 Hourly Concentration Readings of NO<sub>2</sub> (in ppb) at Fox Creek



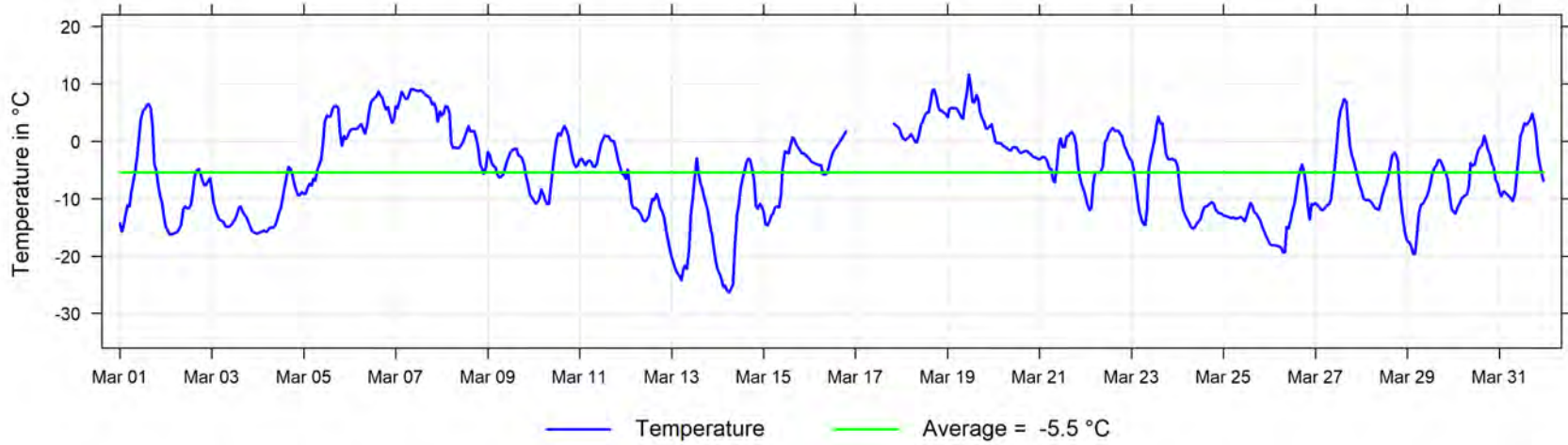
March 2026 Hourly Concentration Readings of O<sub>3</sub> (in ppb) at Fox Creek



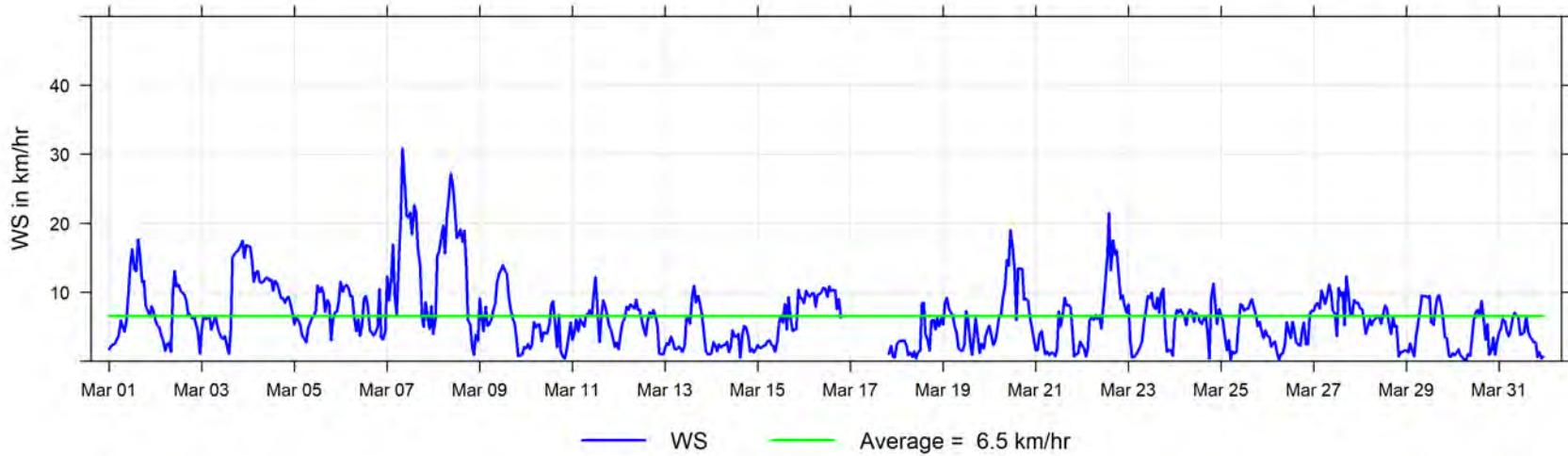
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Fox Creek



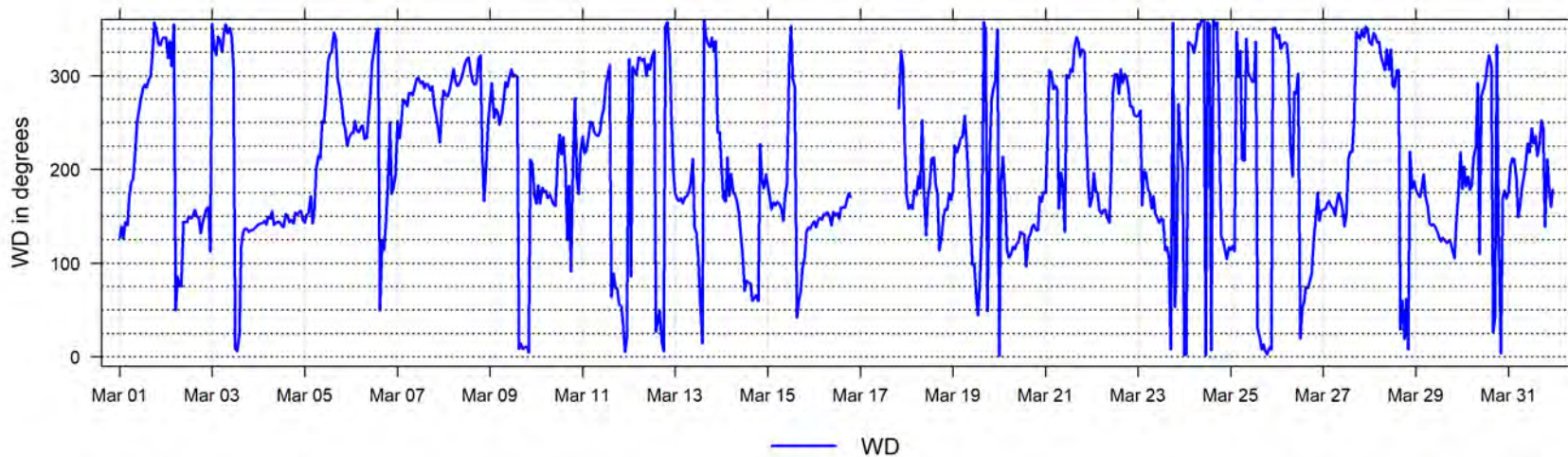
March 2026 Hourly Temperature Readings (in °C) at Fox Creek



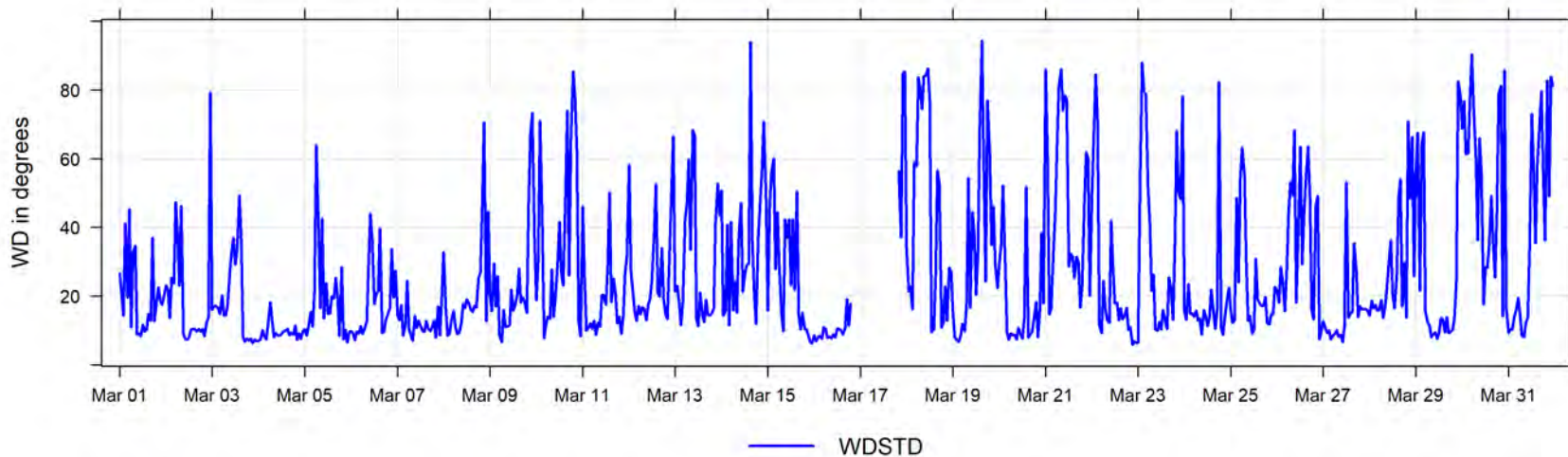
March 2026 Hourly Readings of Wind Speed (in km/hr) at Fox Creek

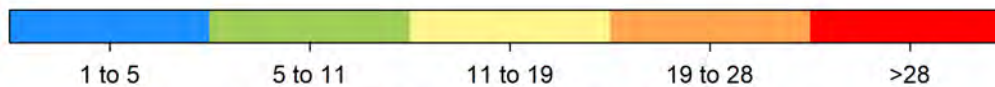
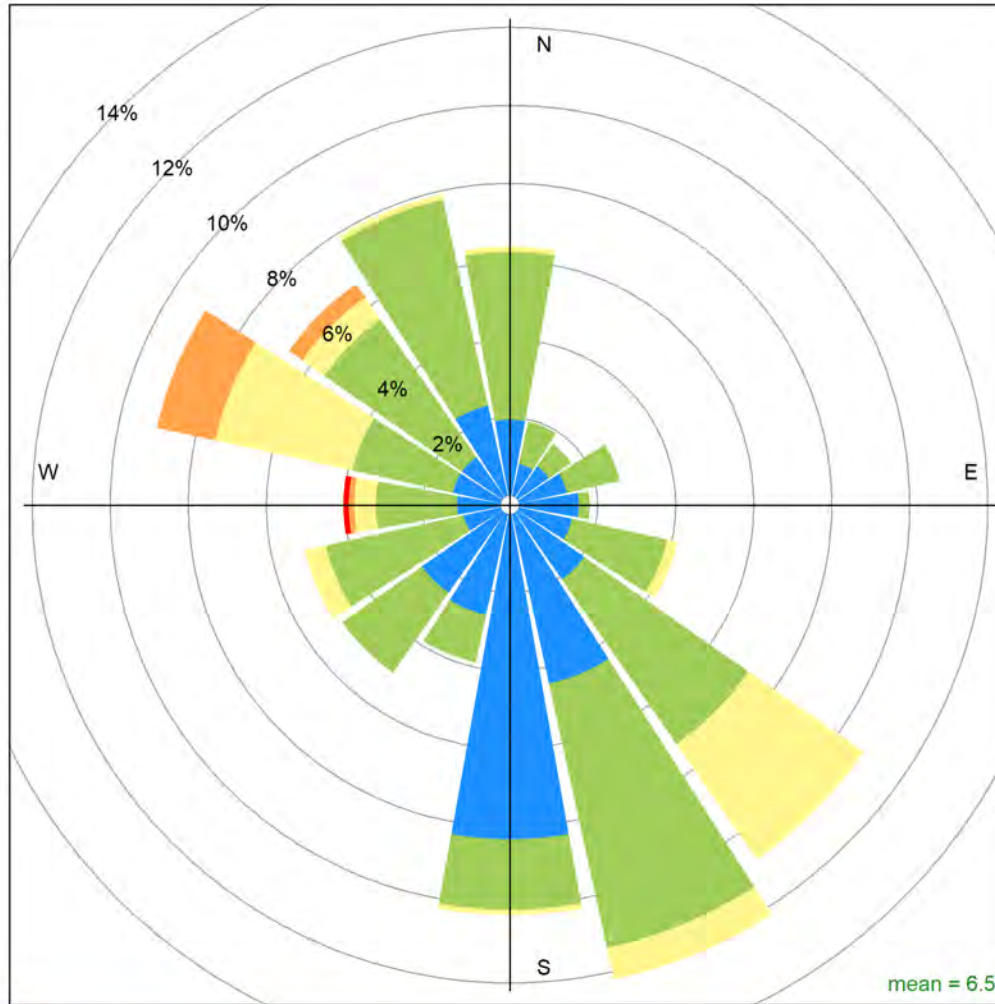


March 2026 Hourly Readings of Wind Direction (in degrees) at Fox Creek



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Fox Creek



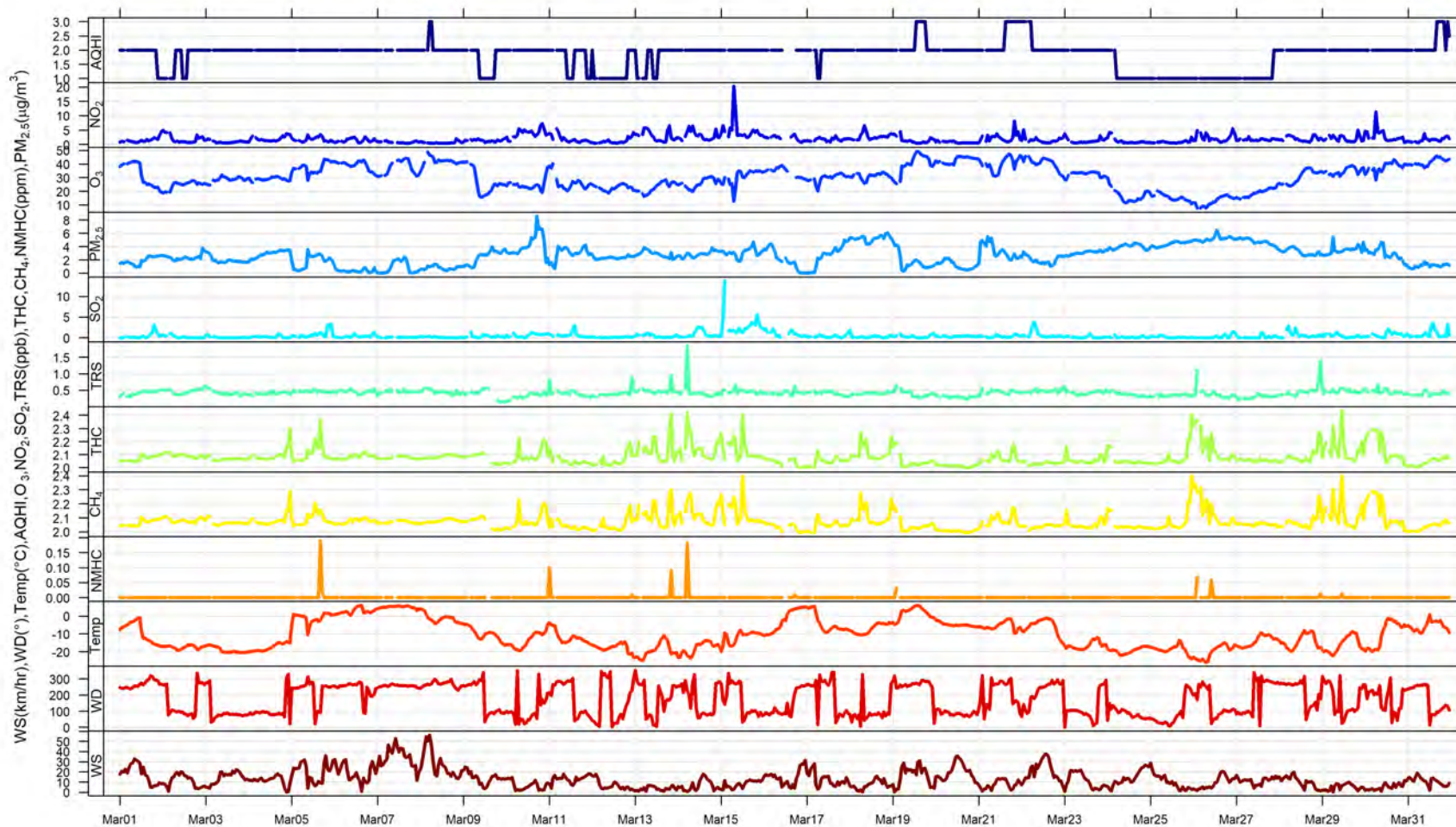


Fox Creek March 2026 Wind Rose, wind speed in km/hr  
**Calms (<1km/hr) = 6.5 %**

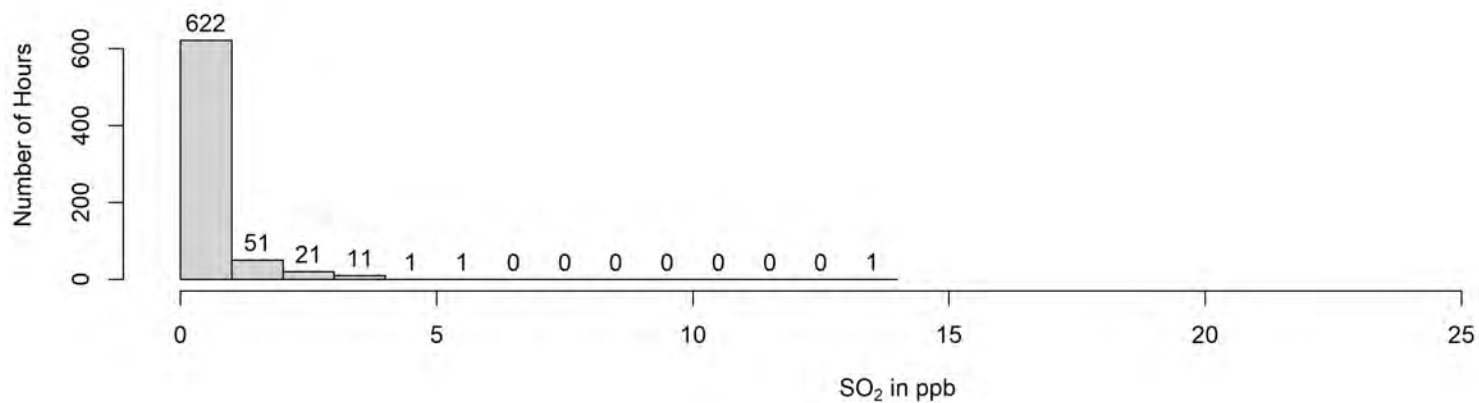
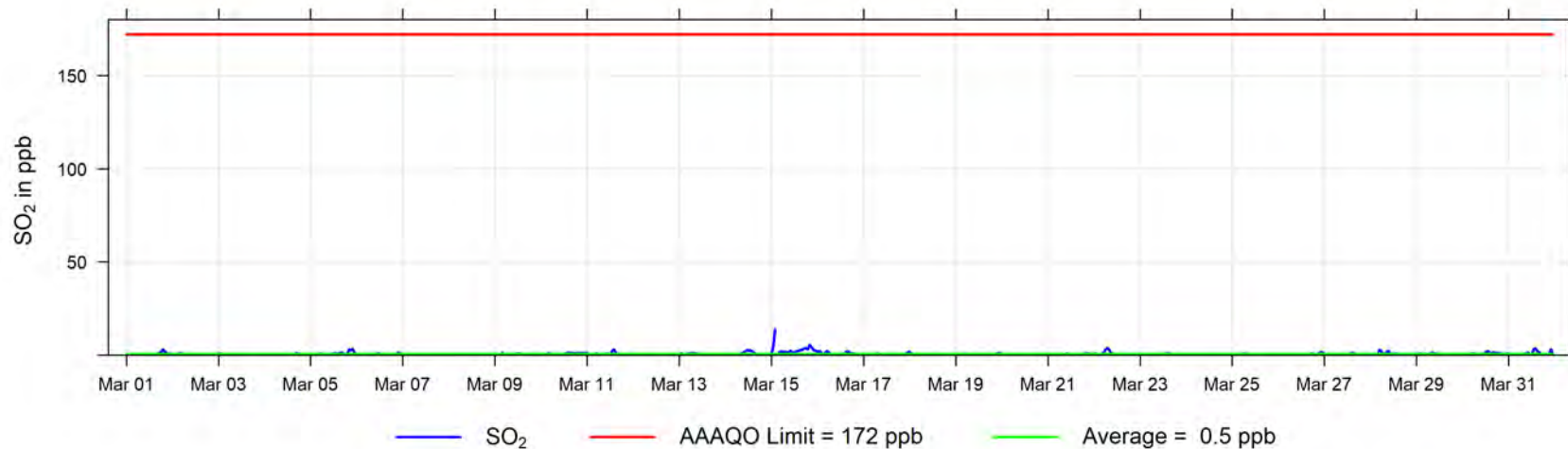
## 8 Happy Valley (Portable) Charts

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

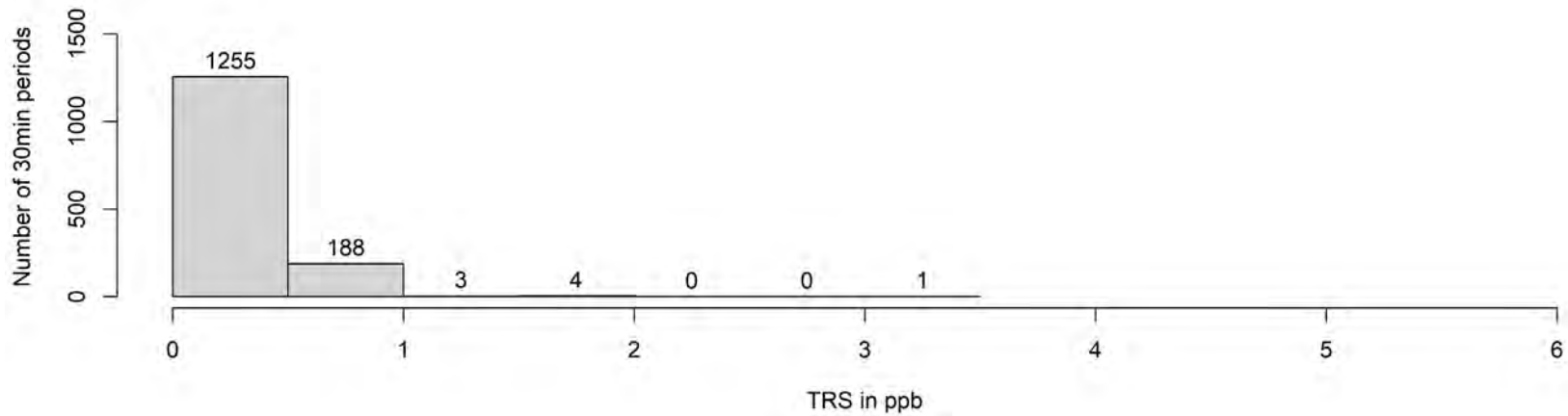
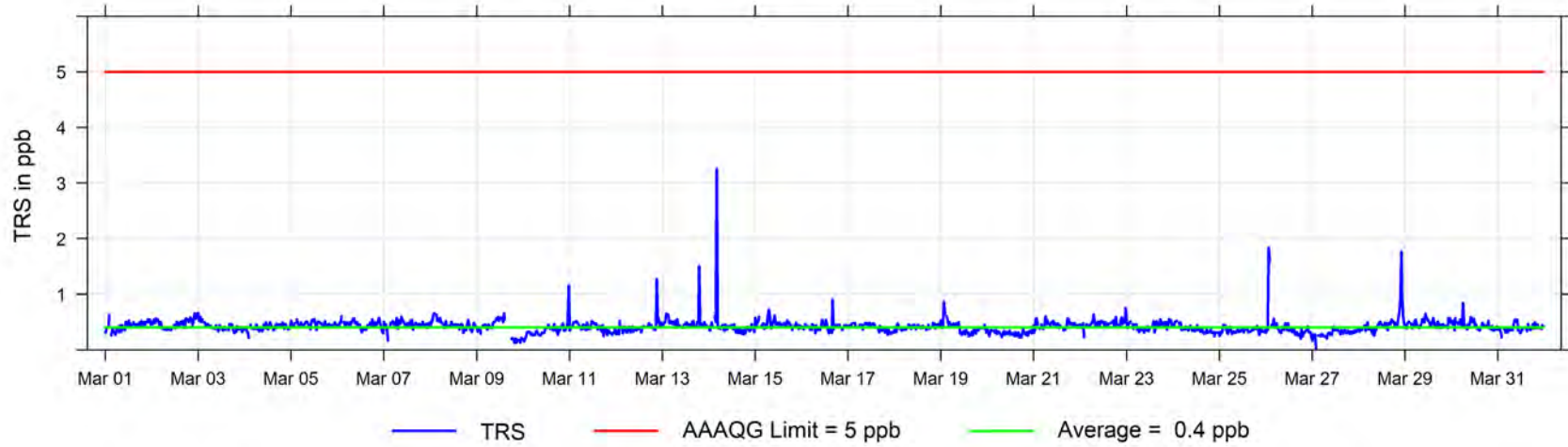
March 2026 Concentration Readings at Happy Valley Station



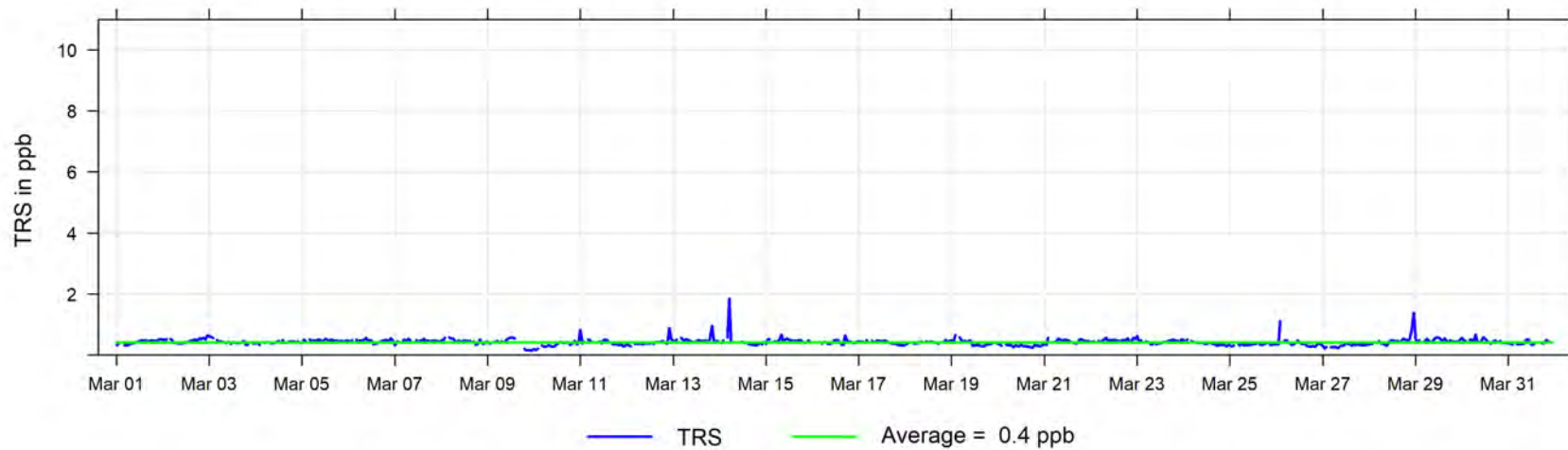
March 2026 Hourly Concentration Readings of SO<sub>2</sub> (in ppb) at Happy Valley



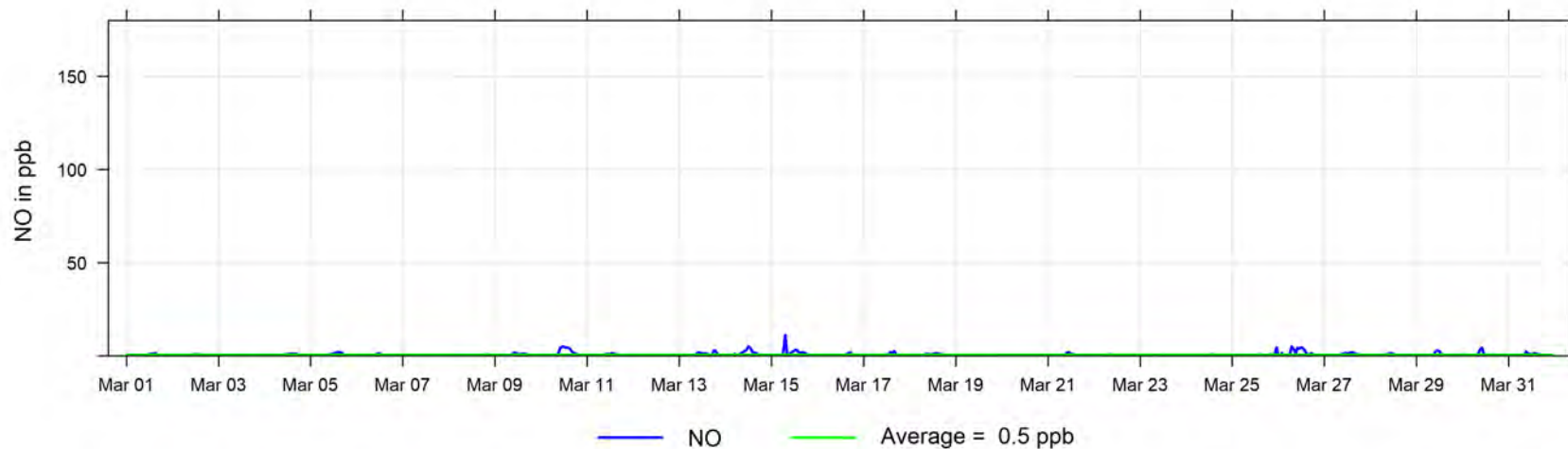
March 2026 30 min Concentration Readings of TRS (in ppb) at Happy Valley



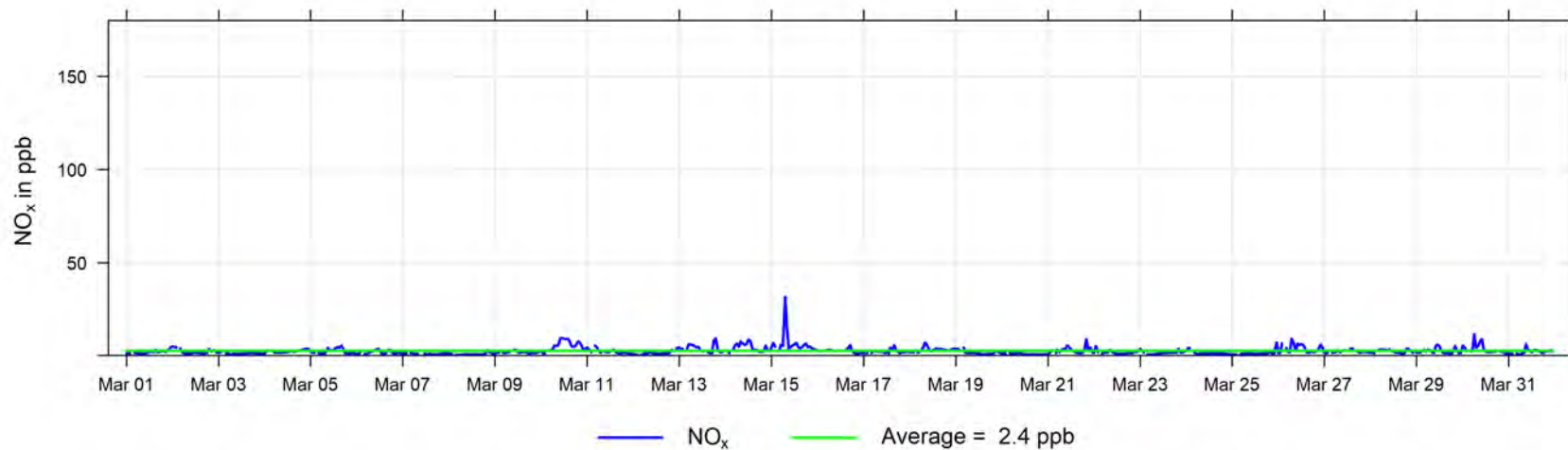
March 2026 Hourly Concentration Readings of TRS (in ppb) at Happy Valley



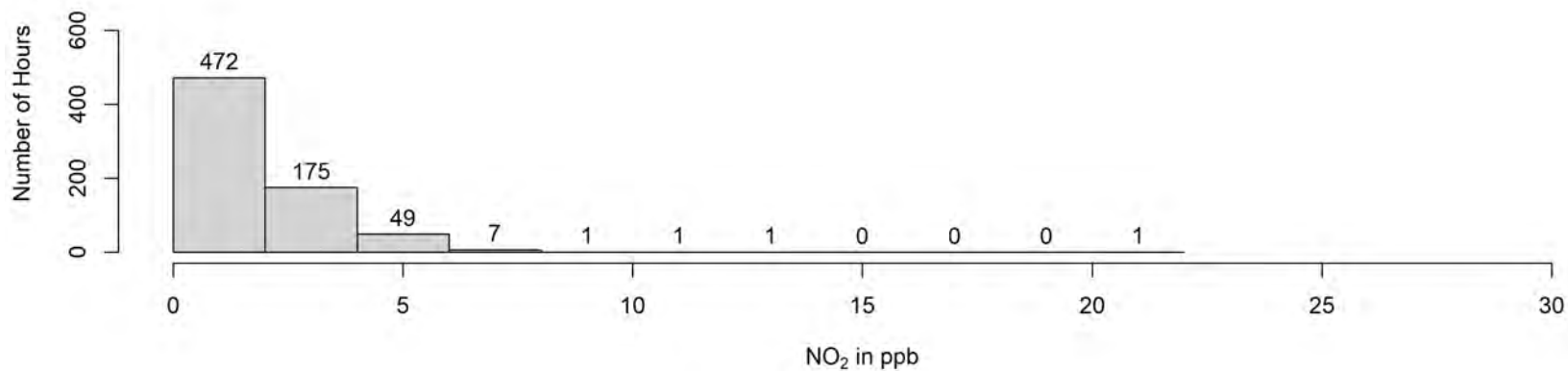
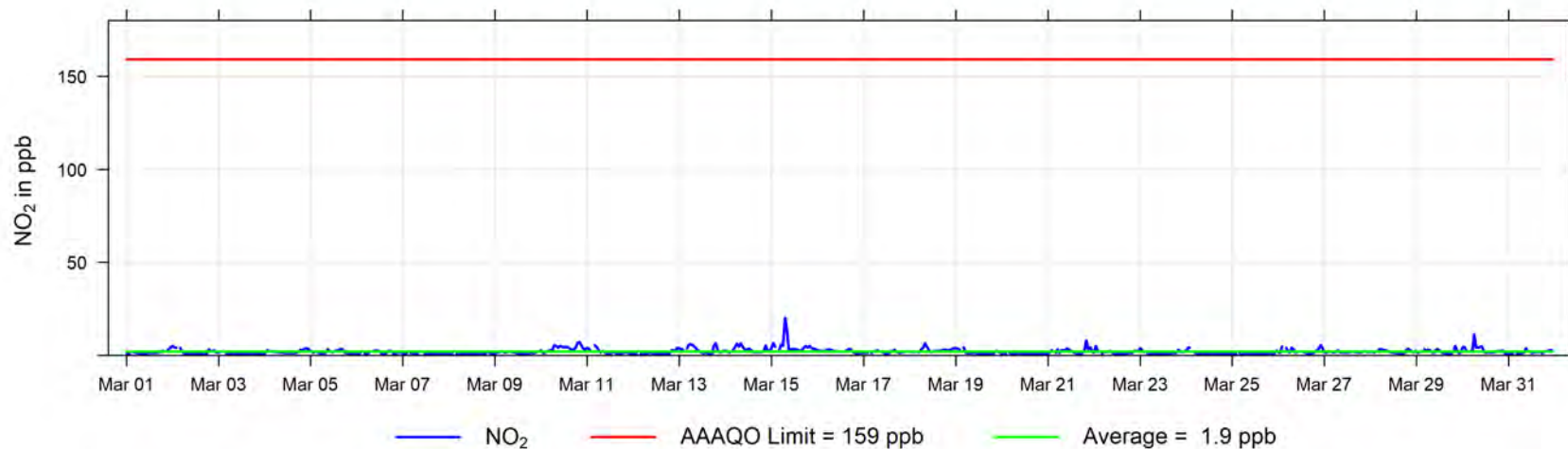
March 2026 Hourly Concentration Readings of NO (in ppb) at Happy Valley



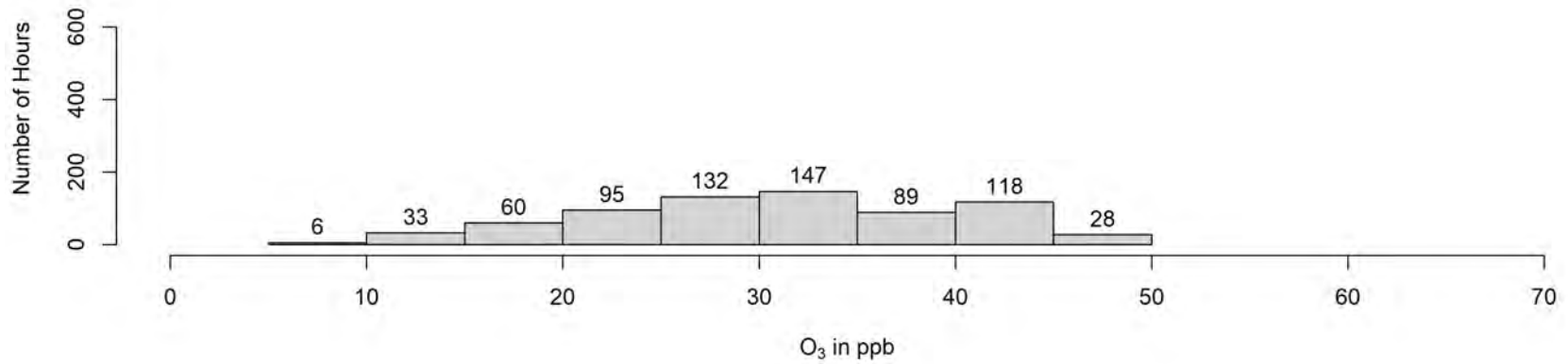
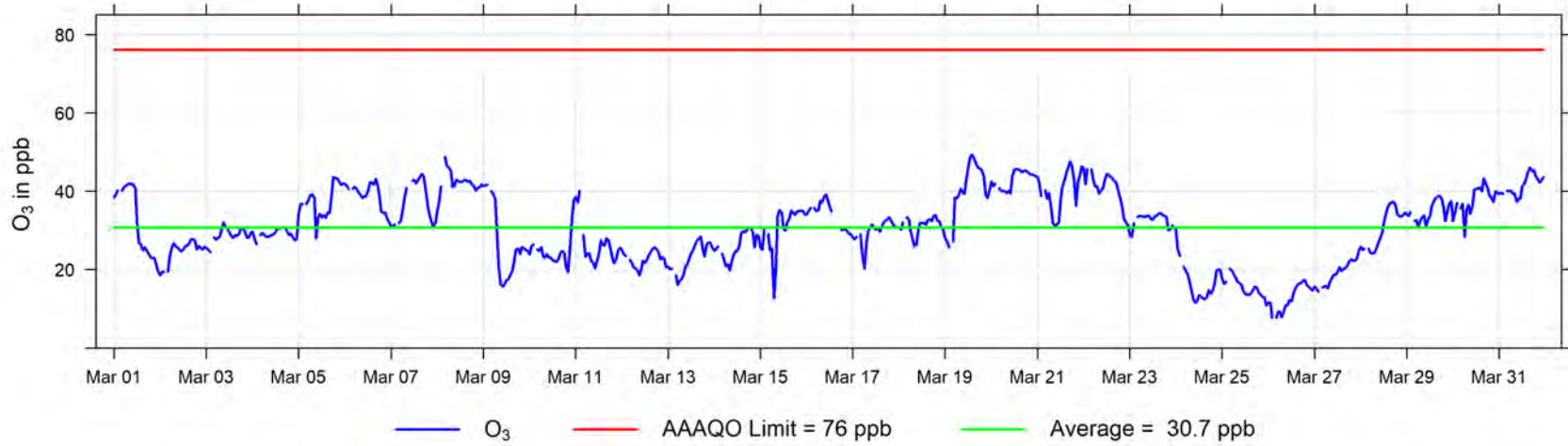
March 2026 Hourly Concentration Readings of NO<sub>x</sub> (in ppb) at Happy Valley



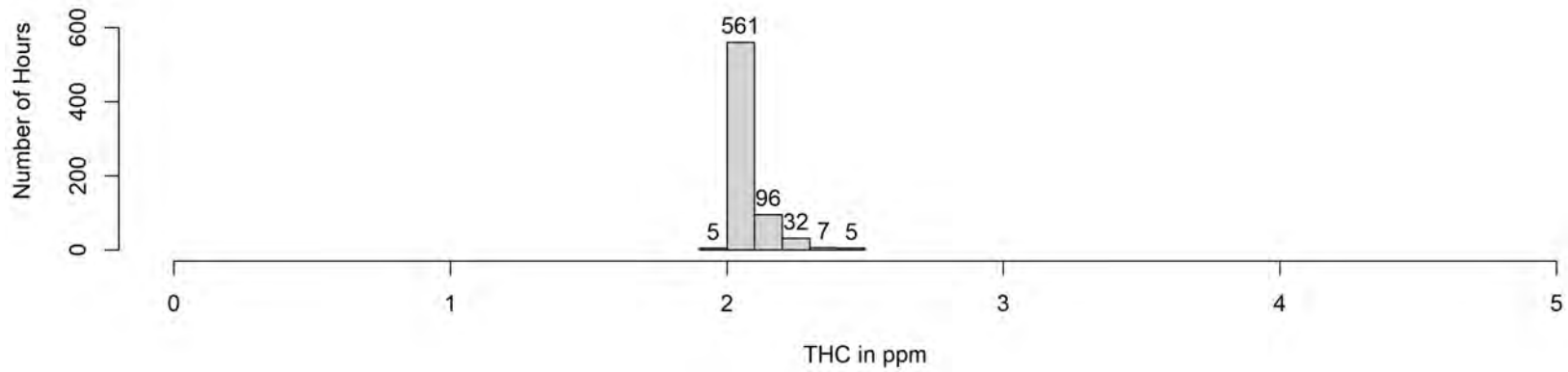
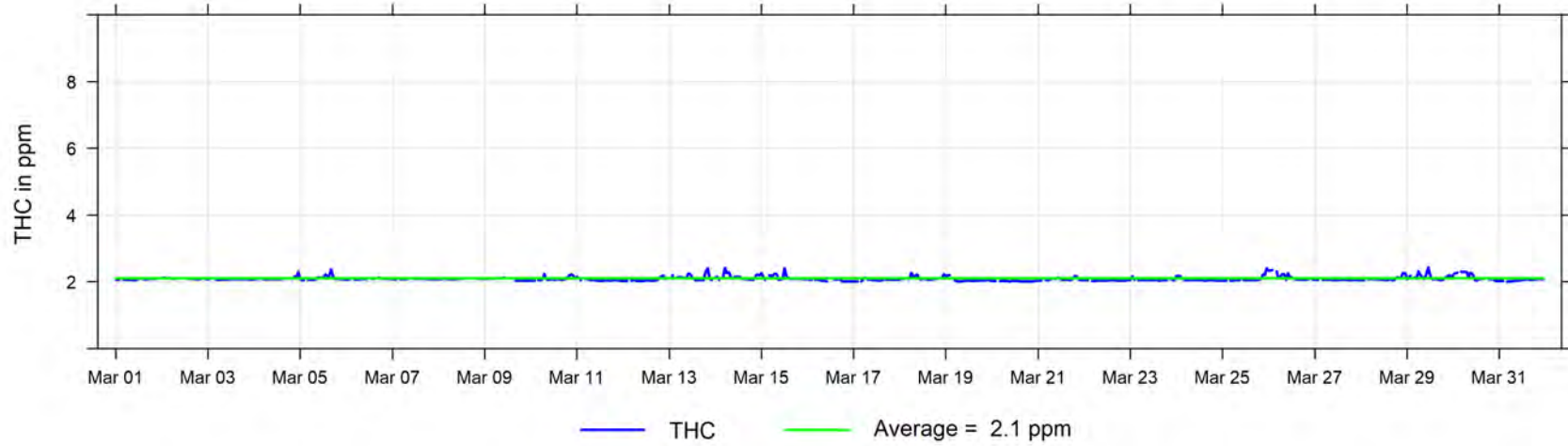
March 2026 Hourly Concentration Readings of NO<sub>2</sub> (in ppb) at Happy Valley



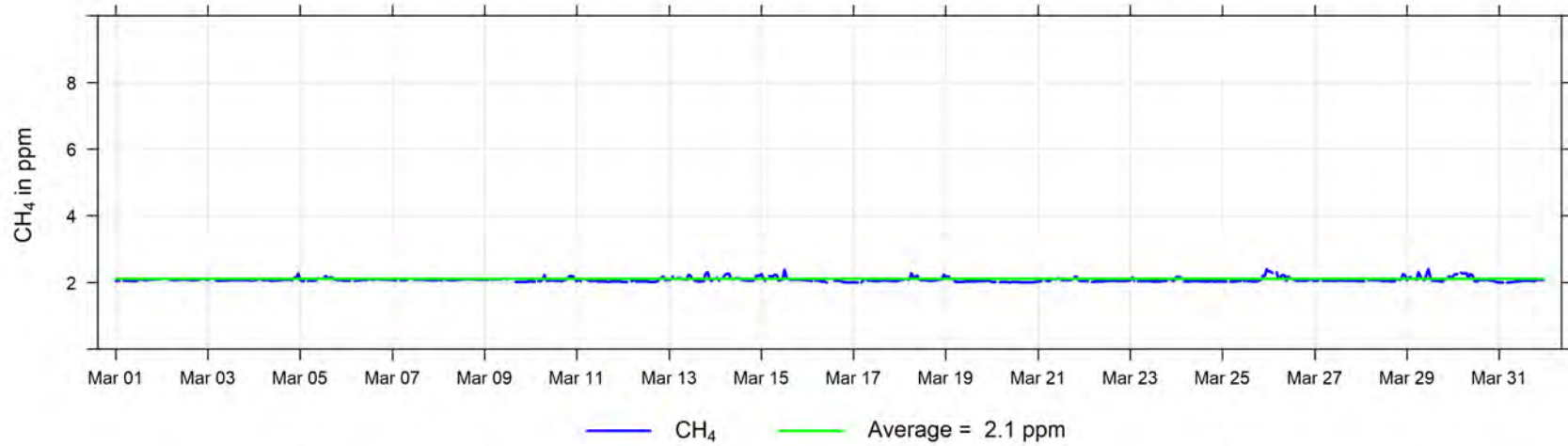
March 2026 Hourly Concentration Readings of O<sub>3</sub> (in ppb) at Happy Valley



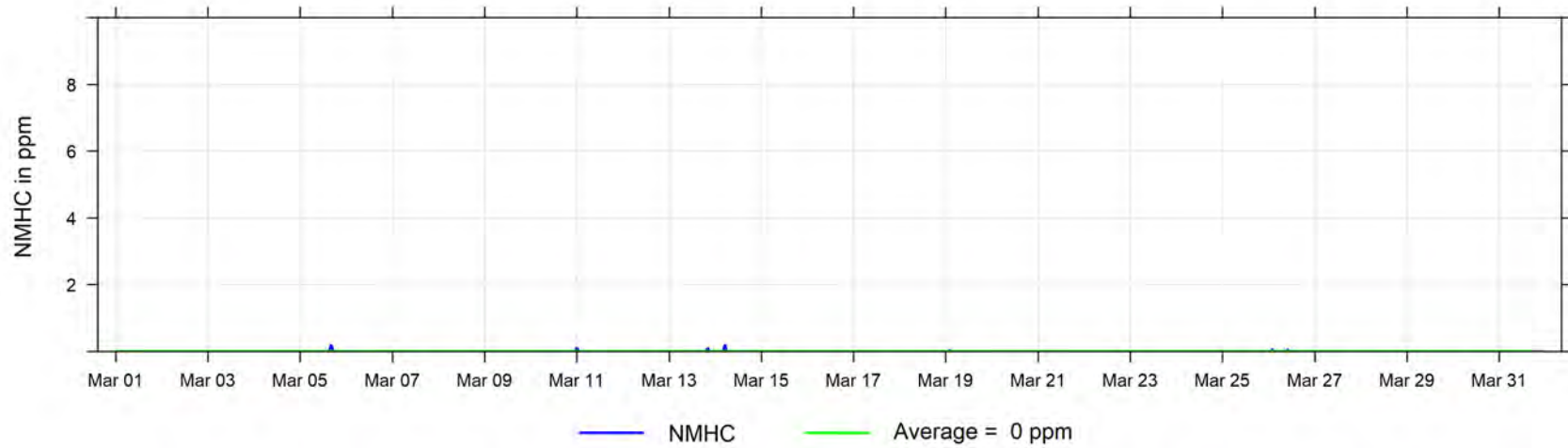
March 2026 Hourly Concentration Readings of THC (in ppm) at Happy Valley



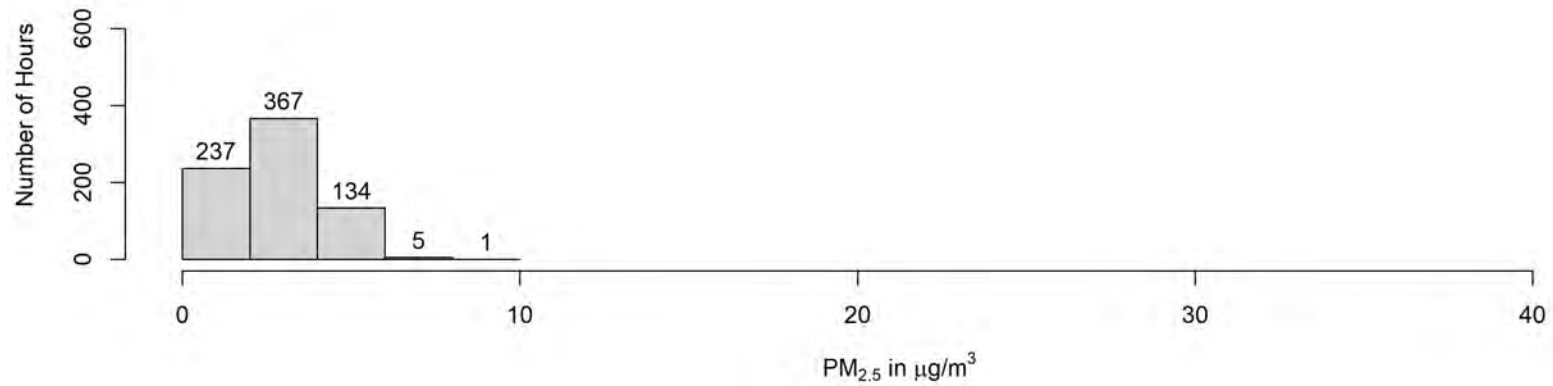
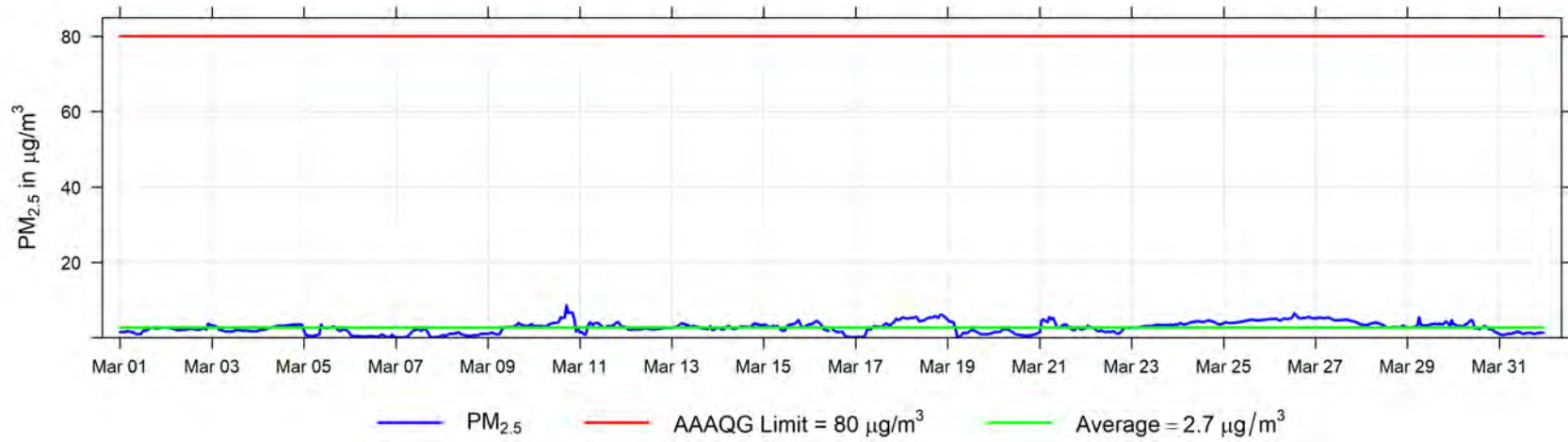
March 2026 Hourly Concentration Readings of CH<sub>4</sub> (in ppm) at Happy Valley



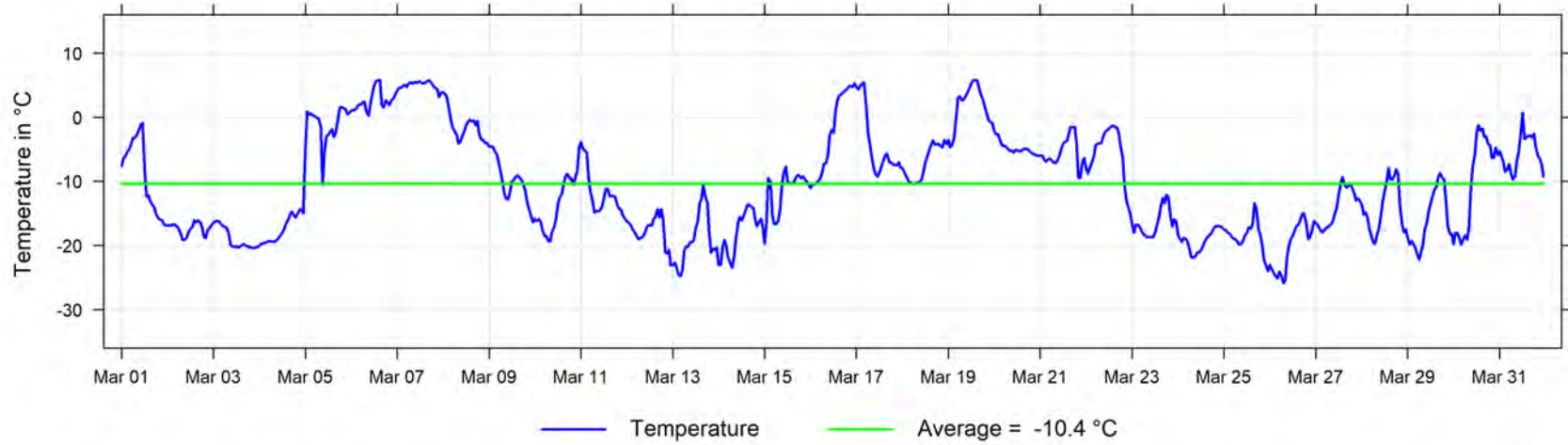
March 2026 Hourly Concentration Readings of NMHC (in ppm) at Happy Valley



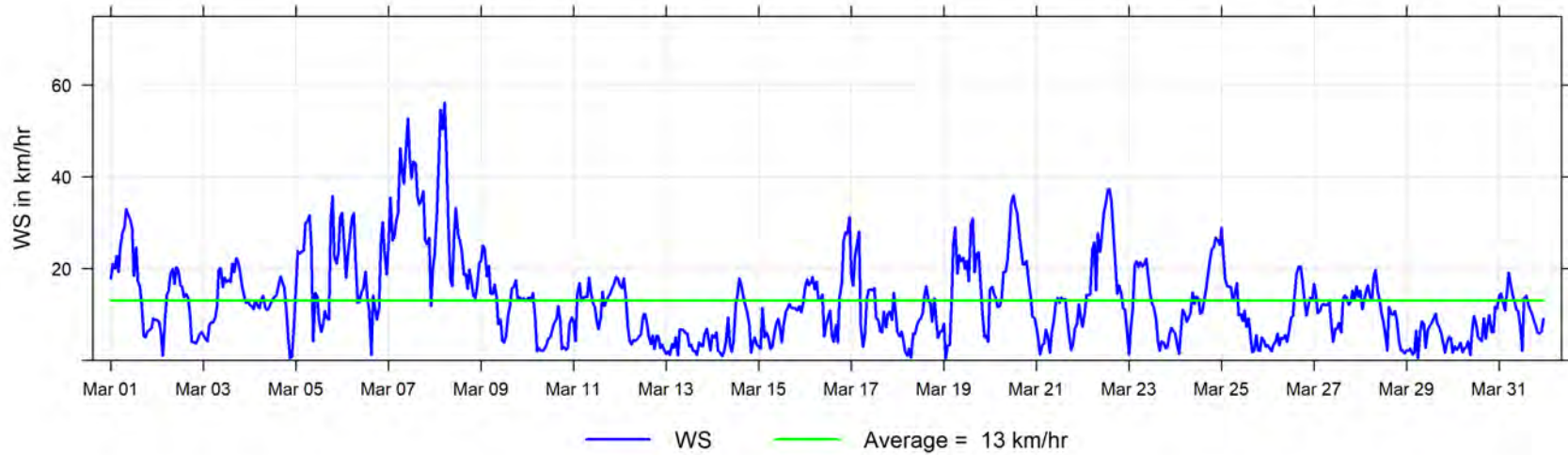
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Happy Valley



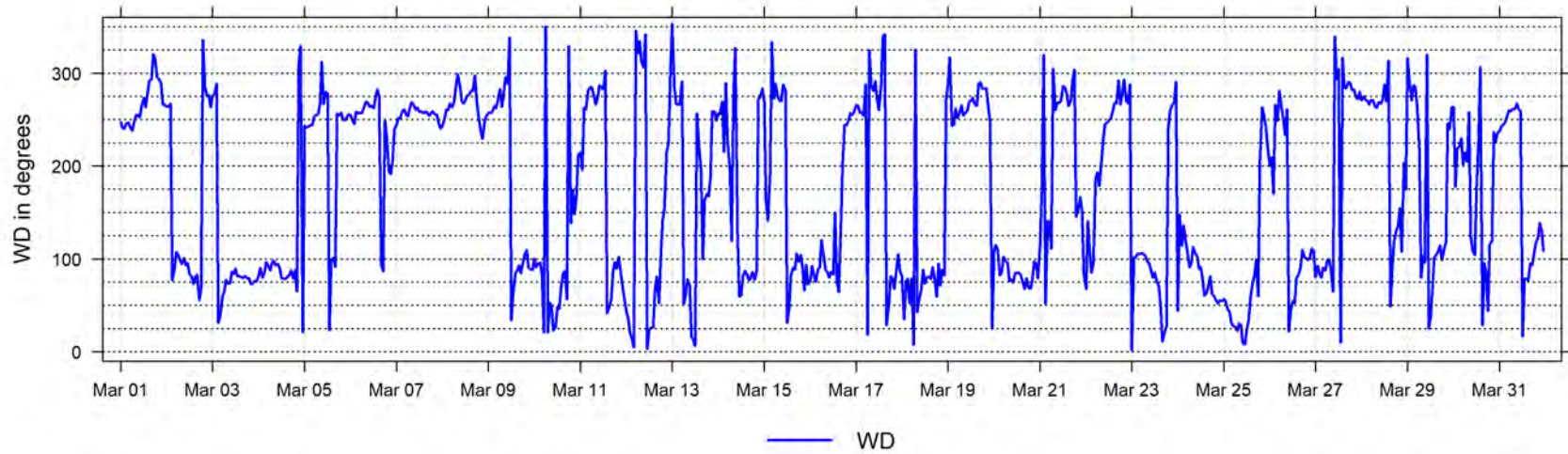
March 2026 Hourly Temperature Readings (in °C) at Happy Valley



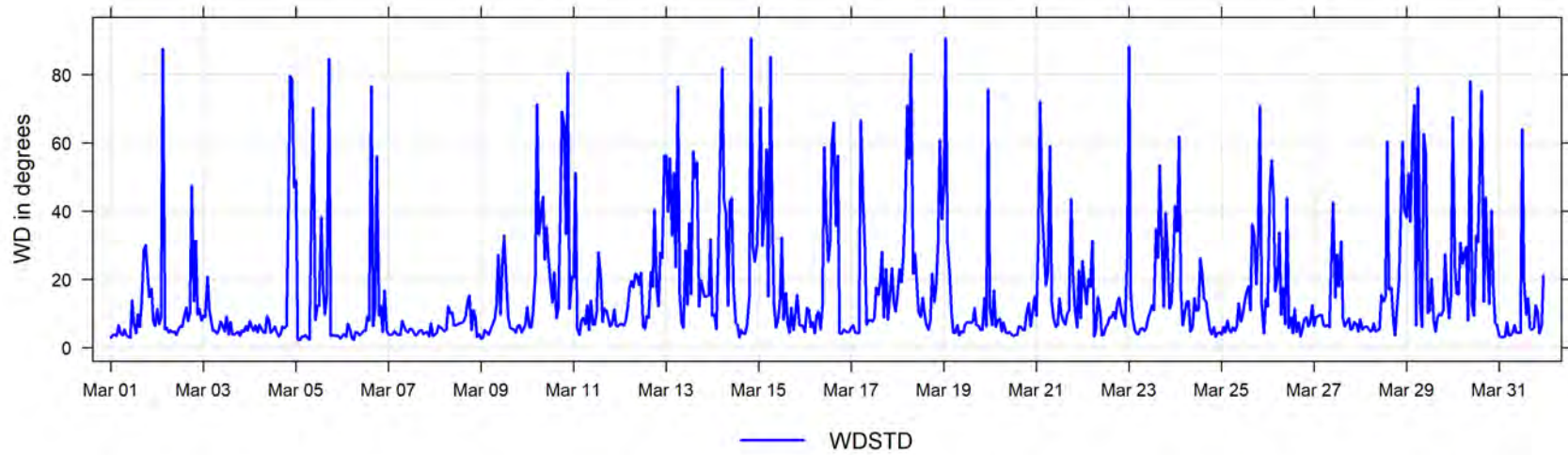
March 2026 Hourly Readings of Wind Speed (in km/hr) at Happy Valley

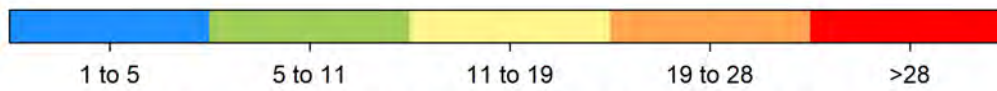
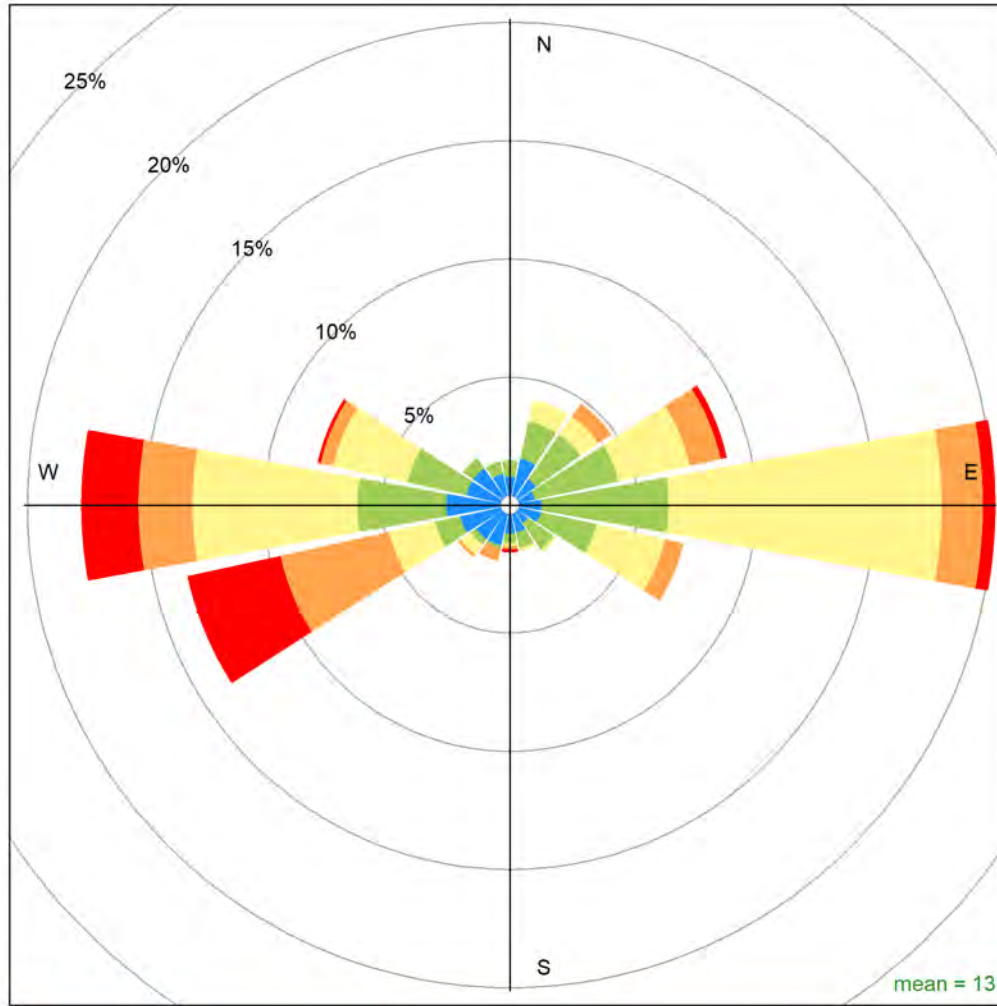


March 2026 Hourly Readings of Wind Direction (in degrees) at Happy Valley



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Happy Valley





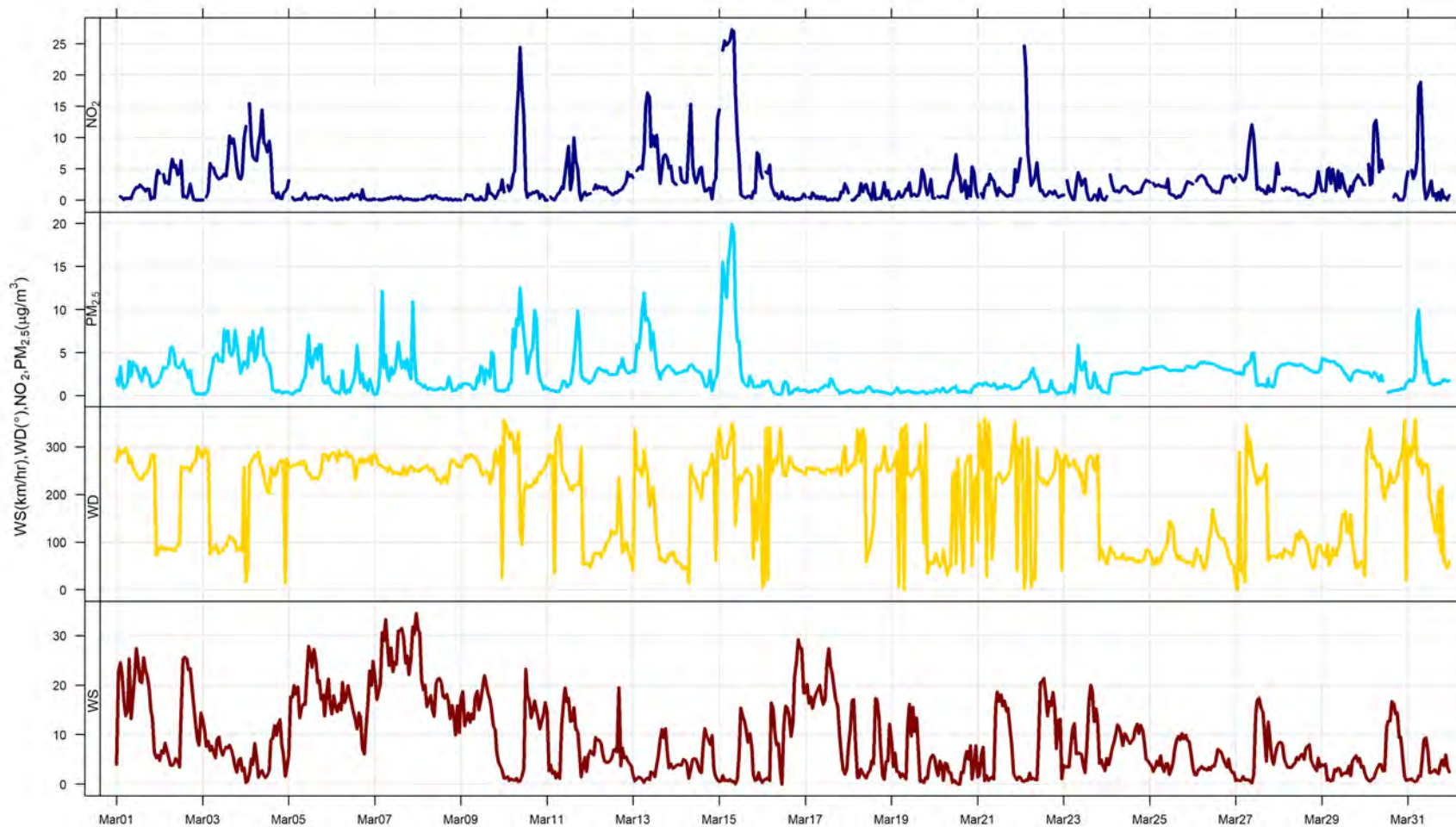
Happy Valley March 2026 Wind Rose, wind speed in km/hr

**Calms (<1km/hr) = 1.1 %**

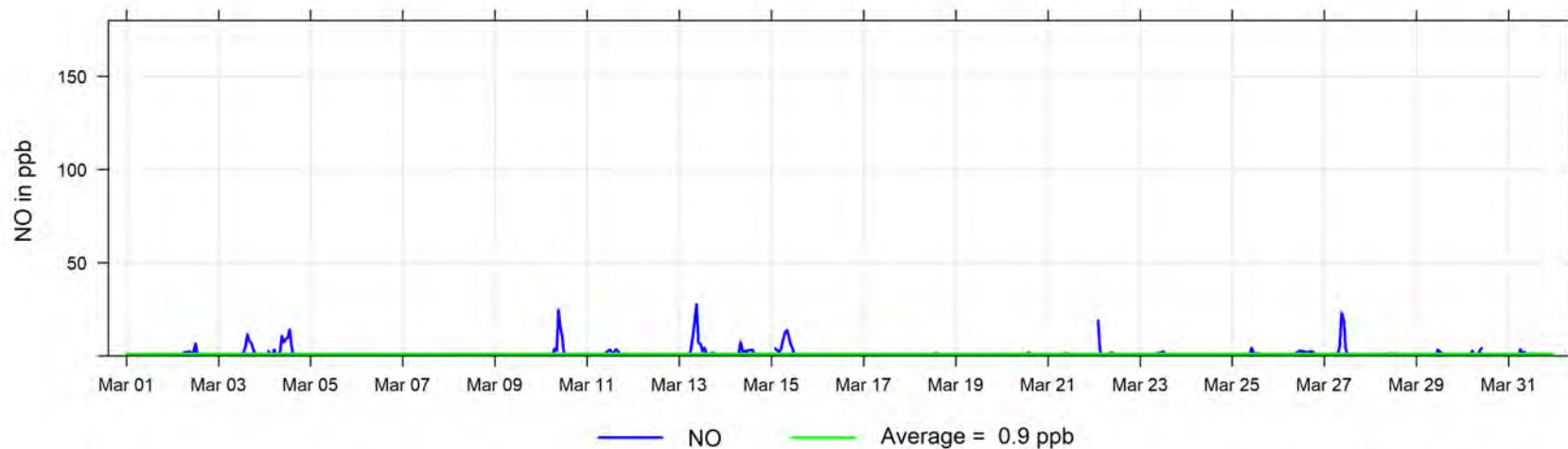
## 9 Milner Charts

The following pages include the charts and histograms for Milner Station

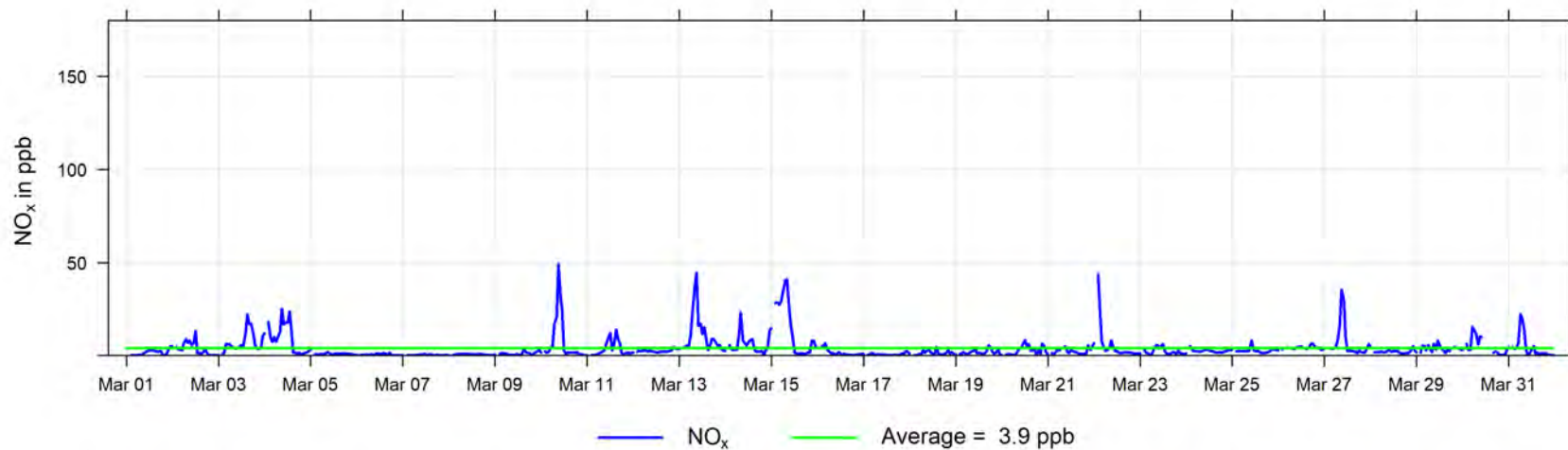
March 2026 Concentration Readings at Milner Station



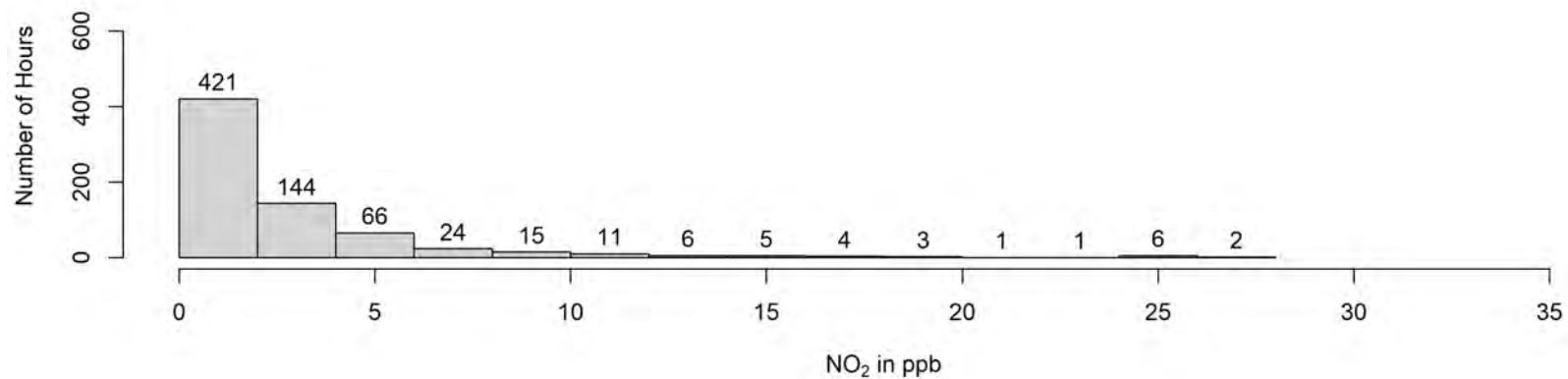
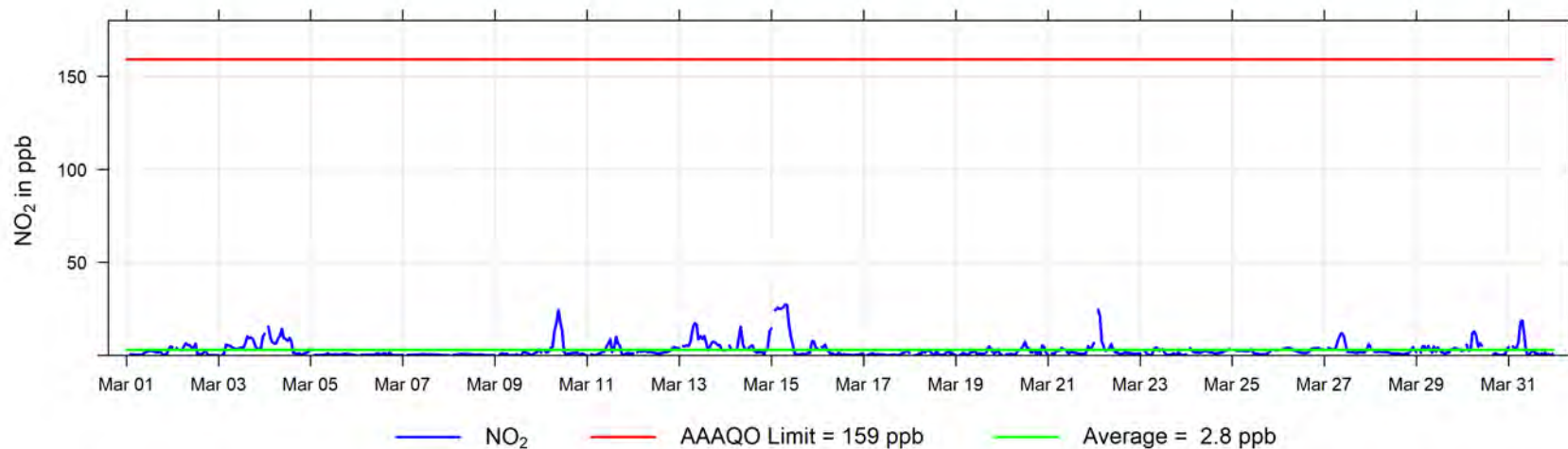
March 2026 Hourly Concentration Readings of NO (in ppb) at Milner



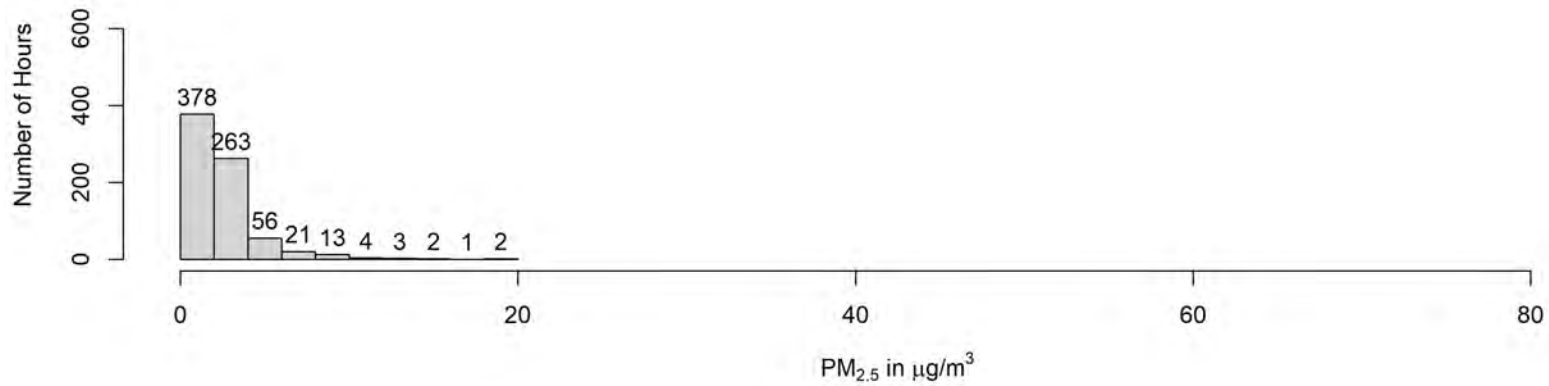
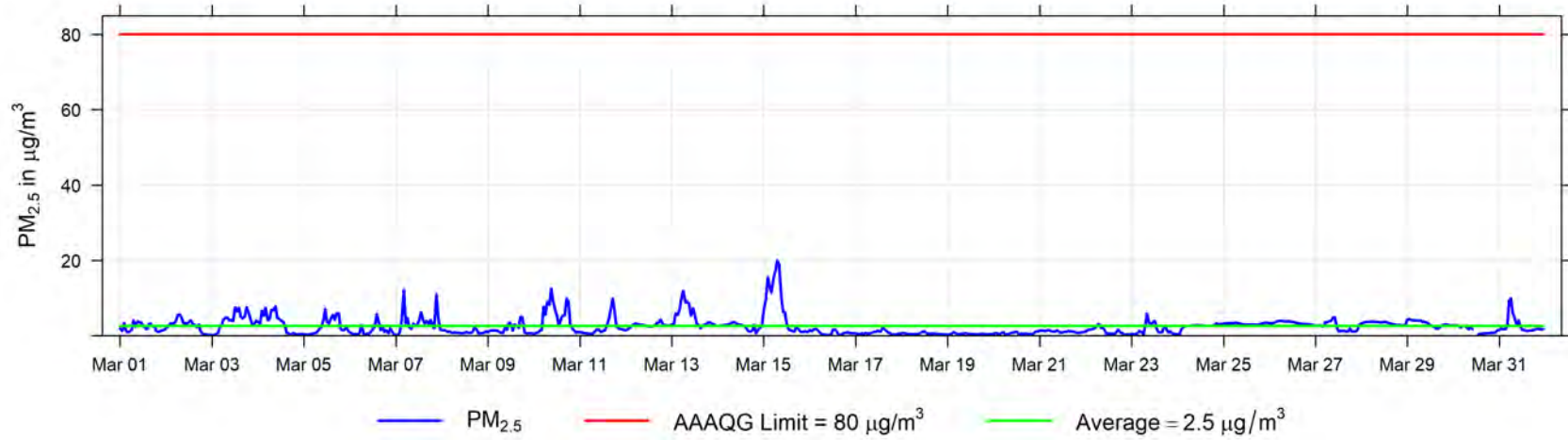
March 2026 Hourly Concentration Readings of NO<sub>x</sub> (in ppb) at Milner



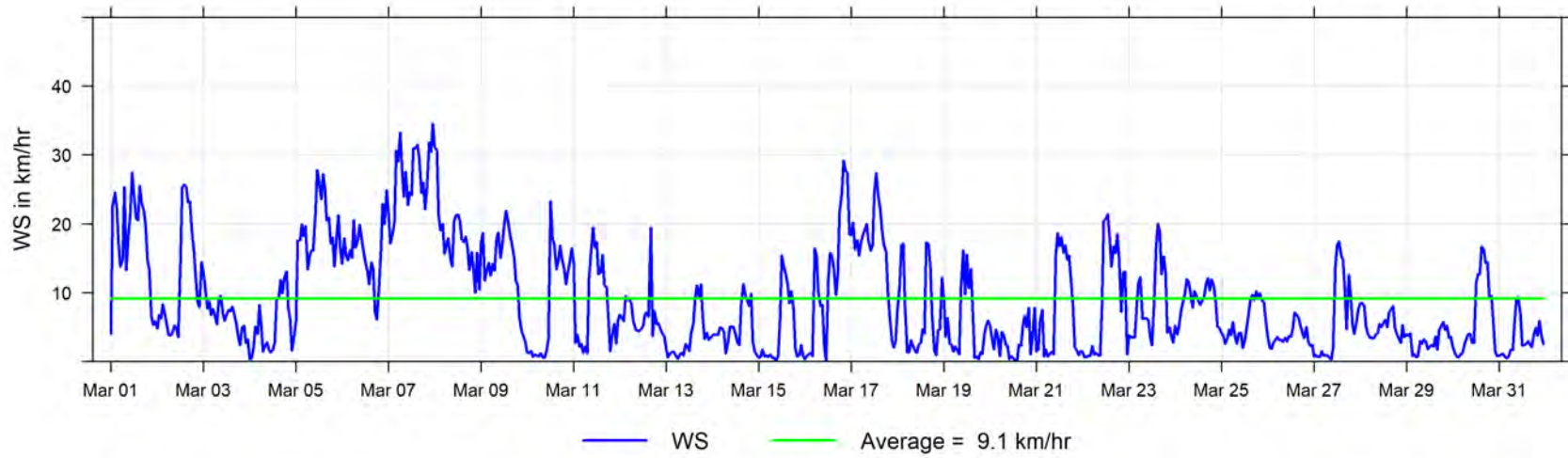
March 2026 Hourly Concentration Readings of NO<sub>2</sub> (in ppb) at Milner



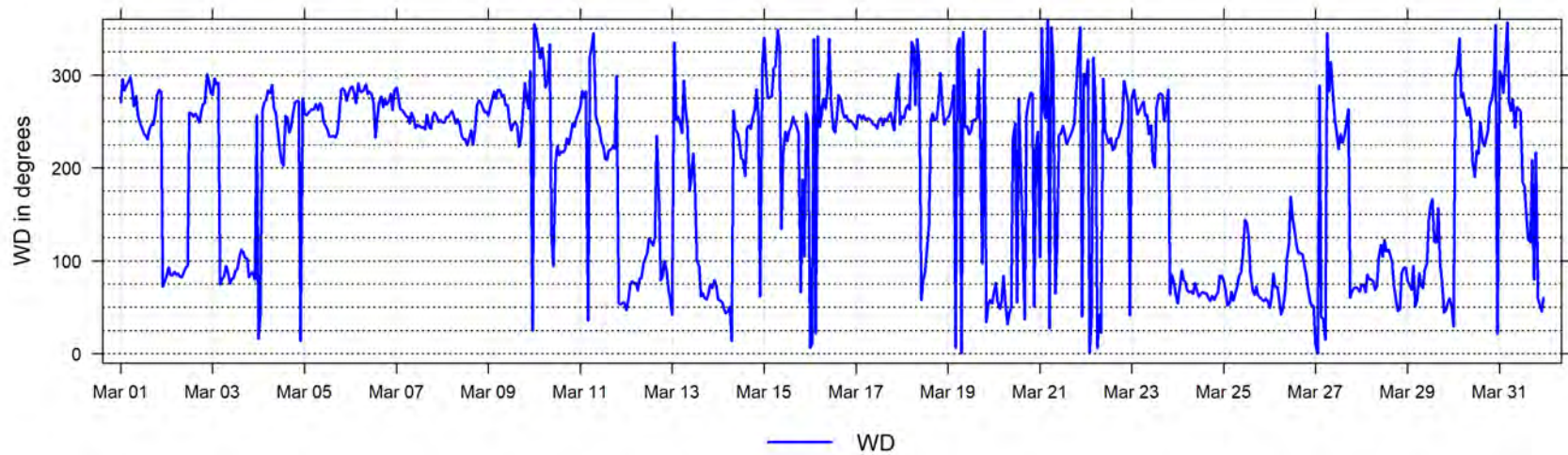
March 2026 Hourly Concentration Readings of PM<sub>2.5</sub> in  $\mu\text{g}/\text{m}^3$  at Milner



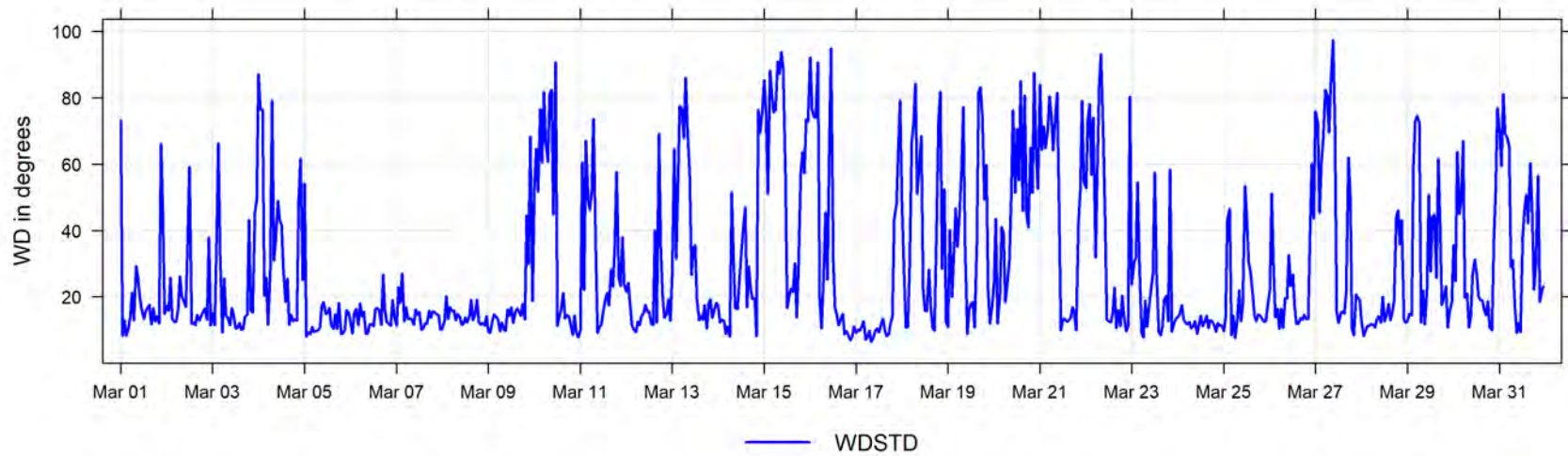
March 2026 Hourly Readings of Wind Speed (in km/hr) at Milner

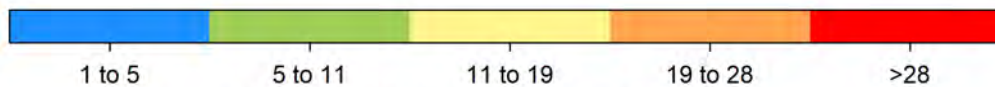
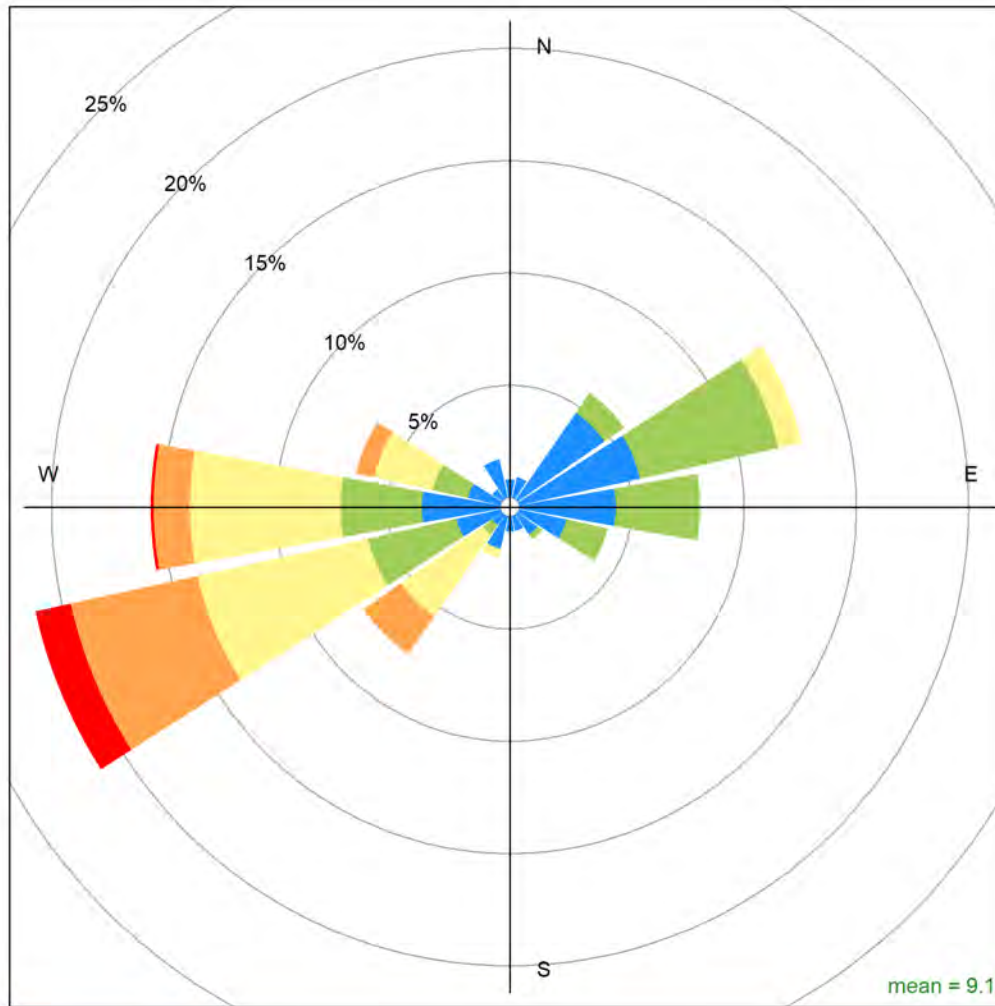


March 2026 Hourly Readings of Wind Direction (in degrees) at Milner



March 2026 Hourly Readings of Wind Direction Standard Deviation (in degrees) at Milner





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

**Calms (<1km/hr) = 9.8 %**

## 10 Passive Monitoring Data

### Peace Airshed Zone Association - PAZA Passive Stations for March 2026

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
<b>Duplicates</b>						
5a	Boone Creek			0.3		01-23-076-11 W6M
5b	Boone Creek			0.5		
7a	Steepprock Creek	0.8				09-35-072-13 W6M
7b	Steepprock Creek	0.9				
9a	Spirit River	0.3				08-12-079-07 W6M
9b	Spirit River	0.3				
12a	Hythe			0.6		14-36-072-11 W6M
12b	Hythe			0.7		
20a	Shaftesbury					04-03-082-23 W5M
20b	Shaftesbury					
21a	Eaglesham	0.1				16-21-079-25 W5M
21b	Eaglesham	0.1				
36a	Guy	0.2				03-04-076-22 W5M
36b	Guy	0.2				
37a	Crooked Creek		46.9			16-01-071-26 W5M
37b	Crooked Creek		44.4			
48a	Deer Mountain			0.1		15-22-068-09 W5M
48b	Deer Mountain			0.1		
D2a	Duvernay 2	0.4			0.12	04-33-062-20 W5M
D2b	Duvernay 2	0.5			0.13	
G3a	Girouxville 3				0.35	14-02-077-23 W5M
G3b	Girouxville 3				0.32	
K1a	Kakwa 1			1.3		01-13-063-05 W6M
K1b	Kakwa 1			1.3		
K2a	Kakwa 2	3.4				08-13-063-05 W6M
K2b	Kakwa 2	3.2				
K3a	Kakwa 3				0.09	12-18-063-04 W6M
K3b	Kakwa 3				0.09	
M7a	Milner Wanyandie			0.4		11-13-058-08 W6M
M7b	Milner Wanyandie			0.4		
M9Aa	Milner Pipeline	<0.1				12-14-058-08 W6M
M9Ab	Milner Pipeline	<0.1				
J5Da	Jayar5 Camp			3.5		11-08-062-03 W6M
J5Db	Jayar5 Camp			3.7		
J2Da	Jayar2 14-8	0.5				07-08-062-03 W6M
J2Db	Jayar2 14-8	0.5				
J4Da	Jayar4 7-8 or 8-8 Pad				<0.02	10-08-062-03 W6M
J4Db	Jayar4 7-8 or 8-8 Pad				<0.02	

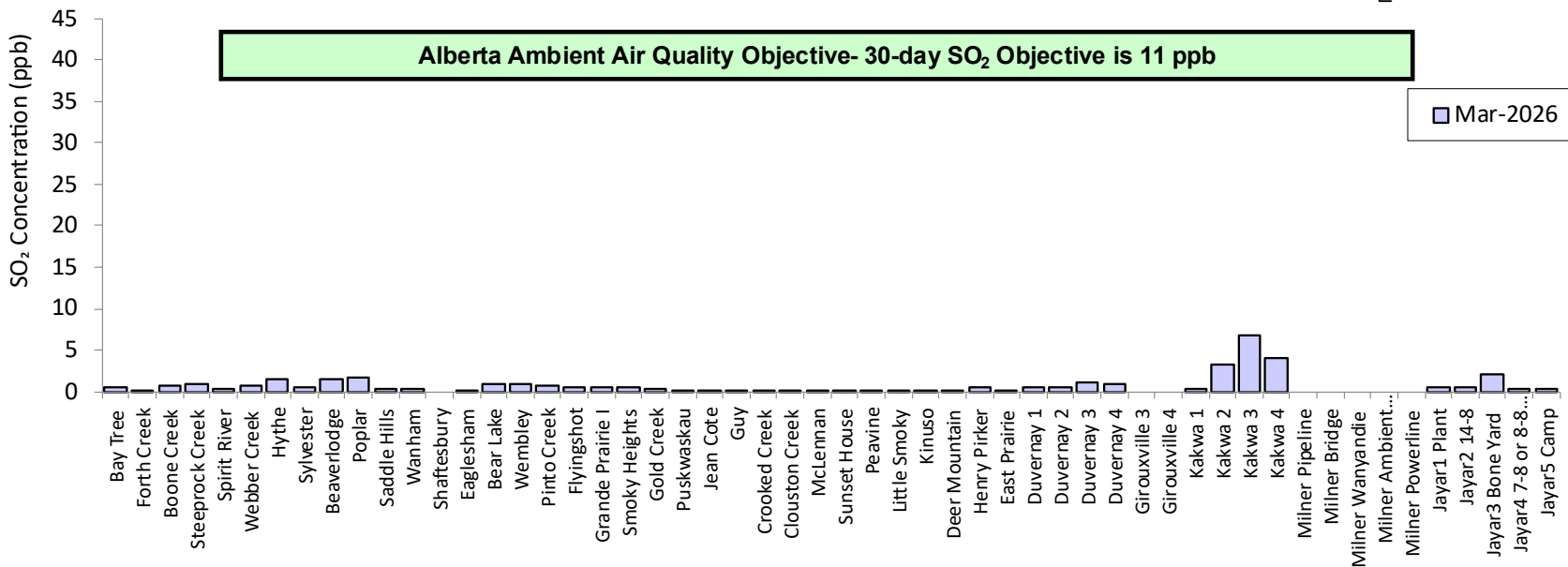
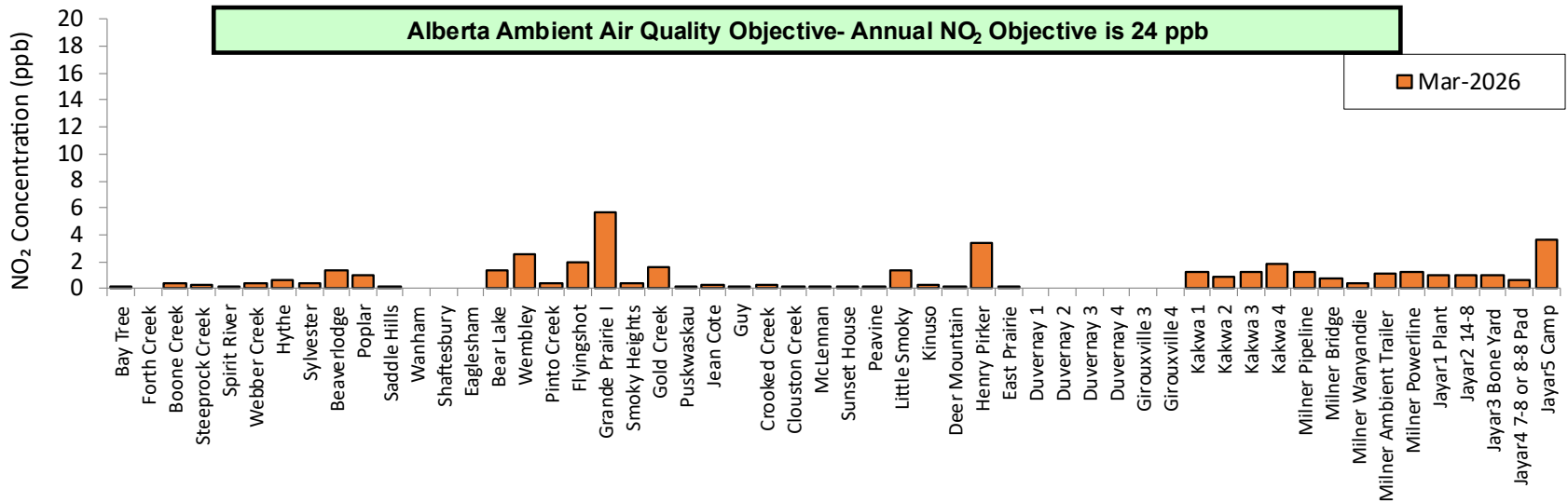
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
2	Bay Tree	0.6	36.7	0.2	-	13-16-078-13 W6M
3	Forth Creek	0.1	-	0.0	-	04-13-082-07 W6M
5	Boone Creek	0.7	-	0.4	-	01-23-076-11 W6M
7	Steeprock Creek	0.8	-	0.3	-	09-35-072-13 W6M
9	Spirit River	0.3	-	0.1	-	08-12-079-07 W6M
11	Webber Creek	0.7	-	0.4	-	09-36-074-09 W6M
12	Hythe	1.5	-	0.6	-	14-36-072-11 W6M
14	Sylvester	0.5	-	0.4	-	08-06-069-12 W6M
16	Beaverlodge	1.5	-	1.4	-	15-36-071-10 W6M
17	Poplar	1.8	-	1.0	-	13-06-073-08 W6M
18	Saddle Hills	0.4	-	0.2	-	04-25-074-07 W6M
19	Wanham	0.3	-	0.0	-	16-22-077-03 W6M
20	Shaftesbury	not collected	-	not collected	-	04-03-082-23 W5M
21	Eaglesham	0.1	-	0.0	-	16-21-079-25 W5M
23	Bear Lake	0.9	-	1.4	-	15-31-072-06 W6M
24	Wembley	0.8	-	2.6	-	12-31-070-08 W6M
25	Pinto Creek	0.7	-	0.4	-	04-24-069-11 W6M
26	Flyingshot	0.6	-	2.0	-	15-36-070-07 W6M
27	Grande Prairie I	0.5	-	5.7	-	08-15-071-06 W6M
29	Smoky Heights	0.5	-	0.4	-	04-06-075-02 W6M
32	Gold Creek	0.4	-	1.6	-	06-33-067-05 W6M
34	Puskwaskau	0.1	-	0.2	-	15-35-074-25 W5M
35	Jean Cote	0.2	-	0.2	-	12-35-079-21 W5M
36	Guy	0.2	-	0.1	0.07	03-04-076-22 W5M
37	Crooked Creek	0.2	45.6	0.3	-	16-01-071-26 W5M
39	Clouston Creek	0.2	-	0.1	-	12-01-073-22 W5M
40	McLennan	0.1	-	0.2	-	03-29-077-19 W5M
42	Sunset House	0.2	-	0.0	-	05-32-070-19 W5M
44	Peavine	0.1	-	0.2	-	03-05-079-15 W5M
46	Little Smoky	0.1	-	1.4	-	12-01-065-21 W5M
47	Kinuso	0.1	45.3	0.3	-	12-10-073-10 W5M
48	Deer Mountain	0.1	-	0.1	-	15-22-068-09 W5M
49	Henry Pirker	0.6	-	3.4	-	17-26-071-06 W6M
50	East Prairie	0.1	-	0.2	-	11-13-079-08 W6M
D1	Duvernay 1	0.5	-	-	0.01	04-33-062-20 W5M
D2	Duvernay 2	0.4	-	-	0.12	04-33-062-20 W5M
D3	Duvernay 3	1.1	-	-	0.04	04-33-062-20 W5M
D4	Duvernay 4	0.9	-	-	0.01	04-33-062-20 W5M
G3	Girouxville 3	-	-	-	0.33	14-02-077-23 W5M
G4	Girouxville 4	-	-	-	0.05	04-08-077-22 W5M
K1	Kakwa 1	0.4	-	1.3	0.05	01-13-063-05 W6M
K2	Kakwa 2	3.3	-	0.9	0.07	08-13-063-05 W6M
K3	Kakwa 3	6.8	-	1.3	0.09	12-18-063-04 W6M
K4	Kakwa 4	4.1	-	1.8	0.08	06-18-063-04 W6M
M1	Milner Pipeline	<0.1	-	1.3	-	12-14-058-08 W6M
M2	Milner Bridge	<0.1	-	0.8	-	08-06-057-08 W6M
M3	Milner Wanyandie	<0.1	-	0.4	-	11-13-058-08 W6M
M4	Milner Ambient Trailer	<0.1	-	1.1	-	09-15-058-08 W6M
M5	Milner Powerline	<0.1	-	1.3	-	06-14-058-08 W6M
J1	Jayar1 Plant	0.5	-	1.0	<0.02	06-08-062-03 W6M
J2	Jayar2 14-8	0.5	-	1.0	<0.02	07-08-062-03 W6M
J3	Jayar3 Bone Yard	2.1	-	1.0	<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	0.4	-	3.6	0.30	11-08-062-03 W6M

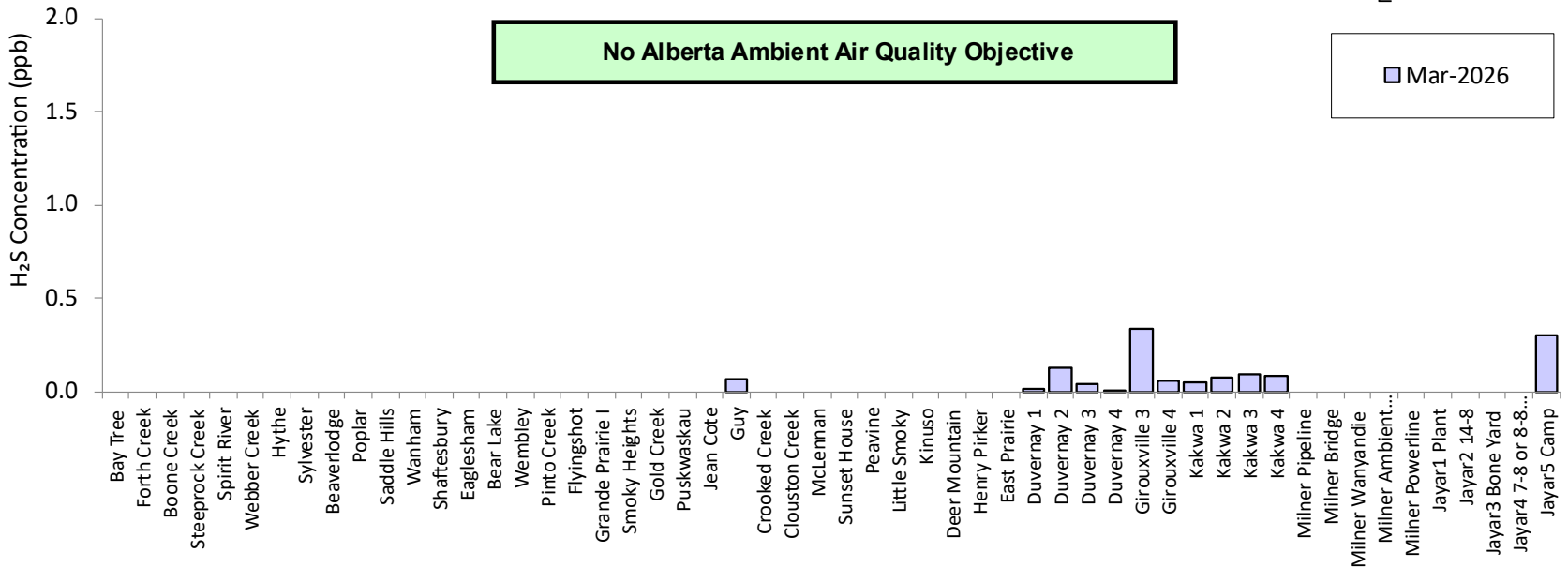
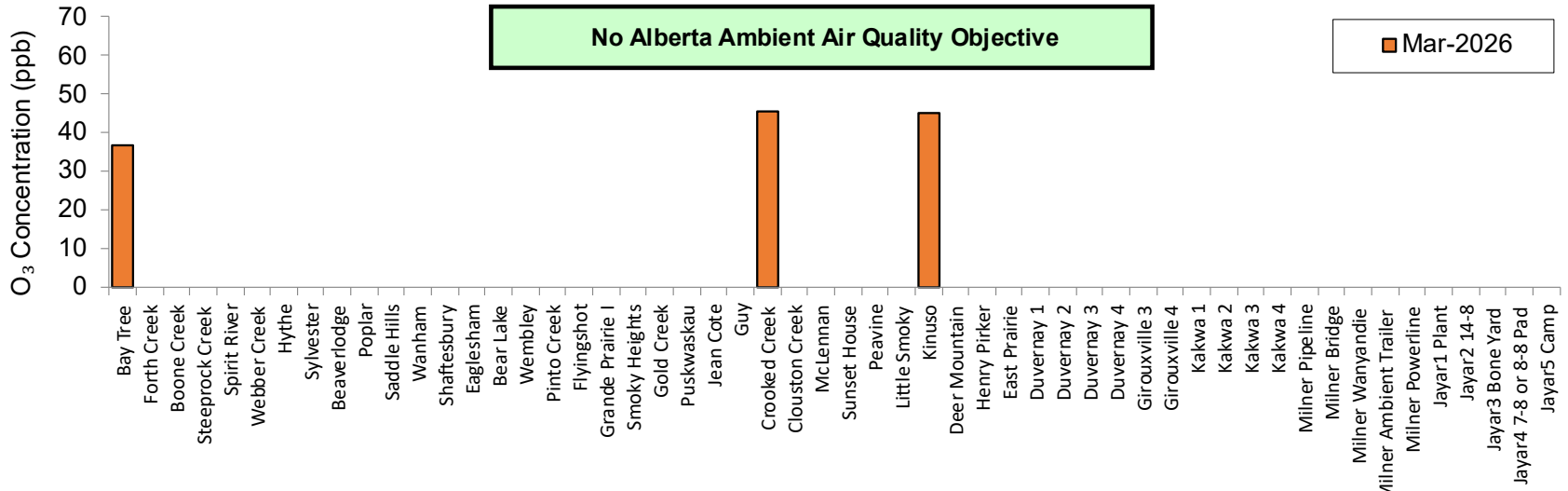
### Passive Summary for March 2026

Stats	Sulphur Dioxide SO <sub>2</sub> ppb	Ozone O <sub>3</sub> ppb	Nitrogen Dioxide NO <sub>2</sub> ppb	Hydrogen Sulphide H <sub>2</sub> S ppb
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Passive Summary for March 2026 (PAZA)				
<b>Mean</b>	0.8	42.5	0.9	0.1
<b>Standard Deviation</b>	1.2	5.1	1.1	0.1
<b>Minimum</b>	0.1	36.7	0.0	0.0
	Kinuso (#47)	Bay Tree (#2)	Forth Creek (#3)	Duvernay 4 (#D4)
<b>Maximum</b>	6.8	45.6	5.7	0.3
	Kakwa 3 (#K3)	Crooked Creek (#37)	Grande Prairie I (#27)	Girouxville 3 (#G3)

Continuous and Passive Monitoring Comparison				
<b>PAZA Beaverlodge Station</b>	<b>1.4</b>	<b>30.3</b>	<b>4.7</b>	<b>-</b>
<b>Beaverlodge Passive (#16)</b>	<b>1.5</b>	<b>-</b>	<b>1.4</b>	<b>-</b>
<b>PAZA Henry Pirker Station</b>	<b>0.3</b>	<b>24.7</b>	<b>10.5</b>	<b>0.1</b>
<b>Henry Pirker passive (#49)</b>	<b>0.6</b>	<b>-</b>	<b>3.4</b>	<b>-</b>
<b>Milner Station</b>	<b>-</b>	<b>-</b>	<b>2.8</b>	<b>-</b>
<b>Milner passive</b>	<b>&lt;0.1</b>	<b>-</b>	<b>1.1</b>	<b>-</b>

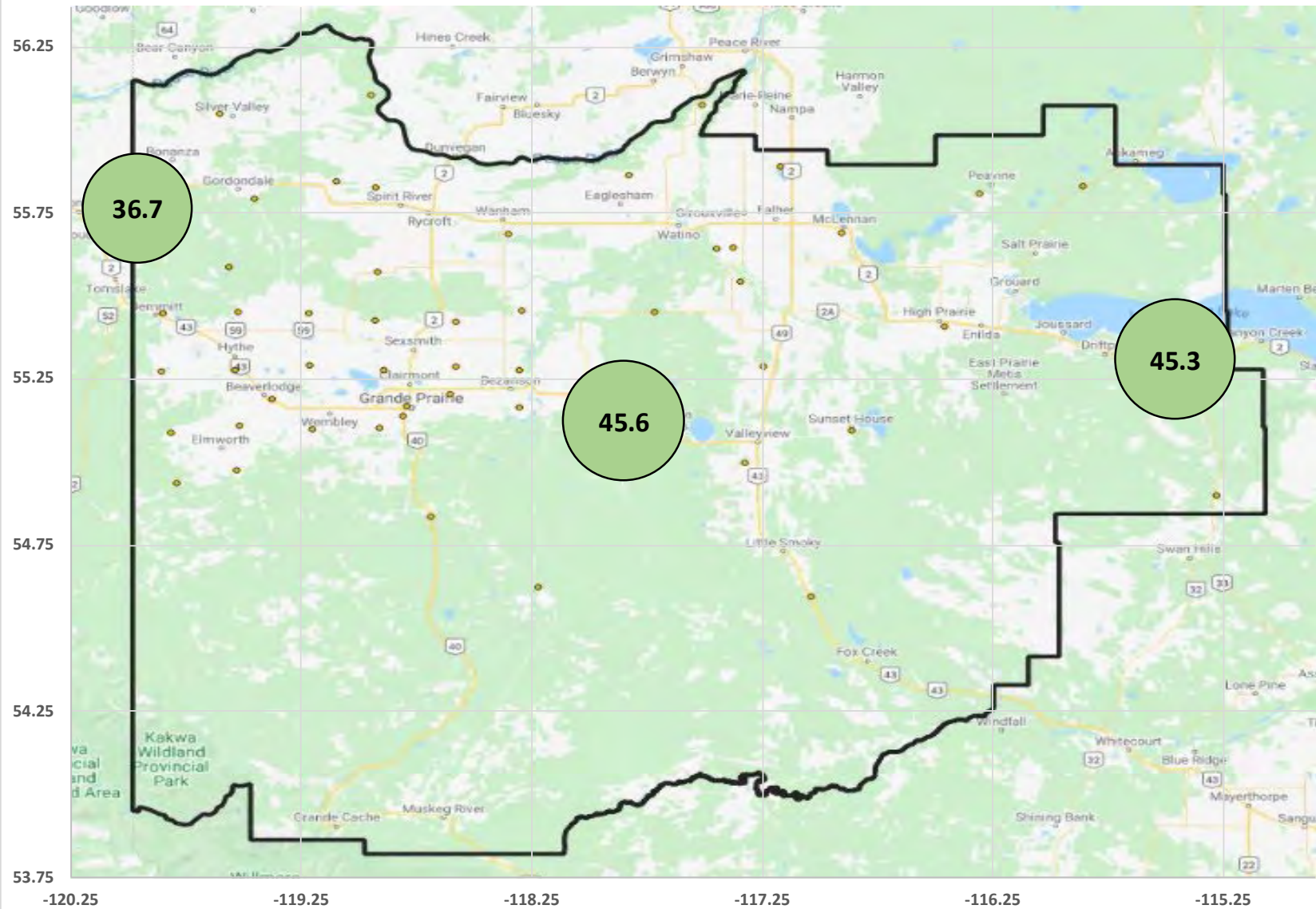




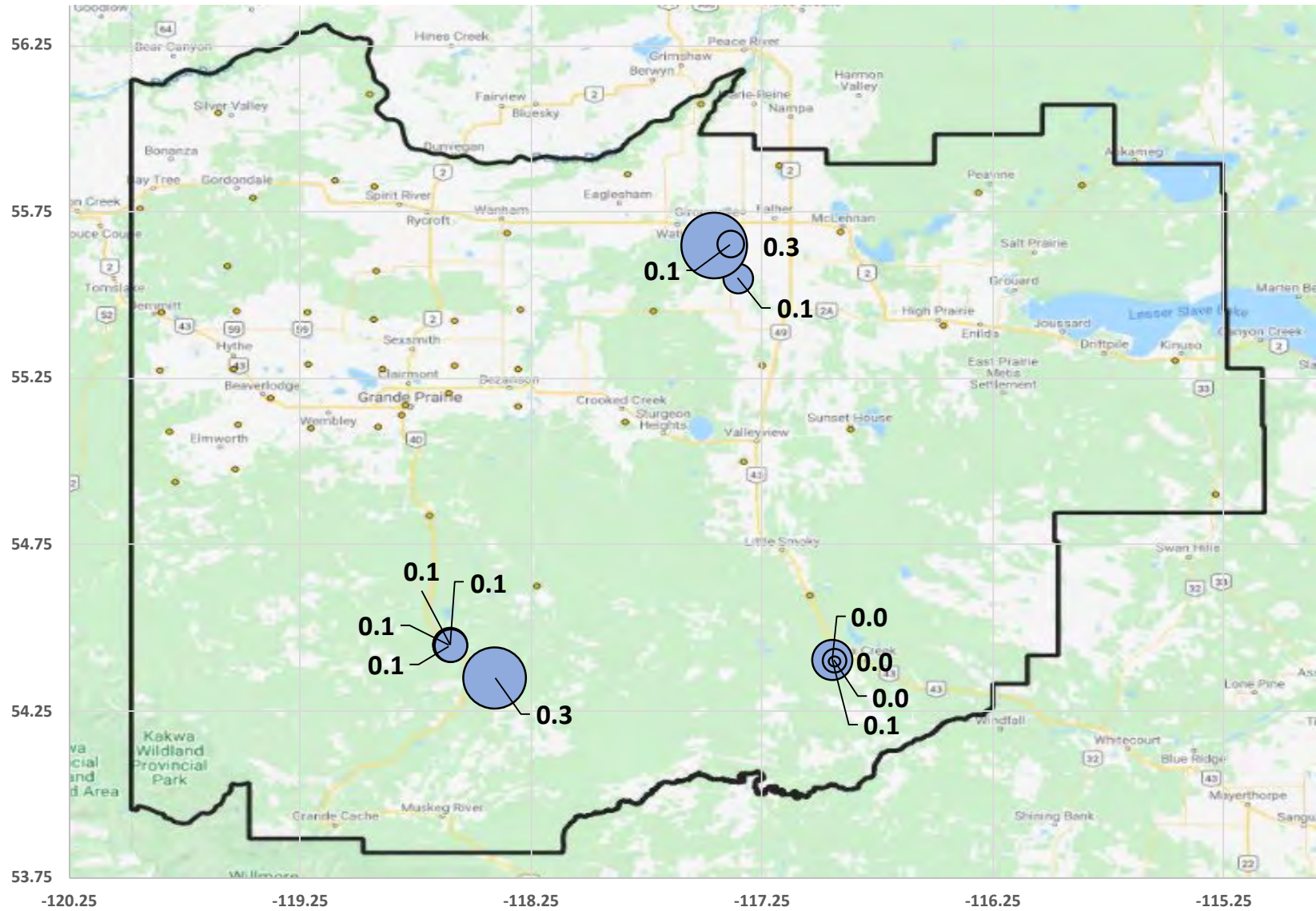




### O<sub>3</sub> Monthly Average (units in ppb)



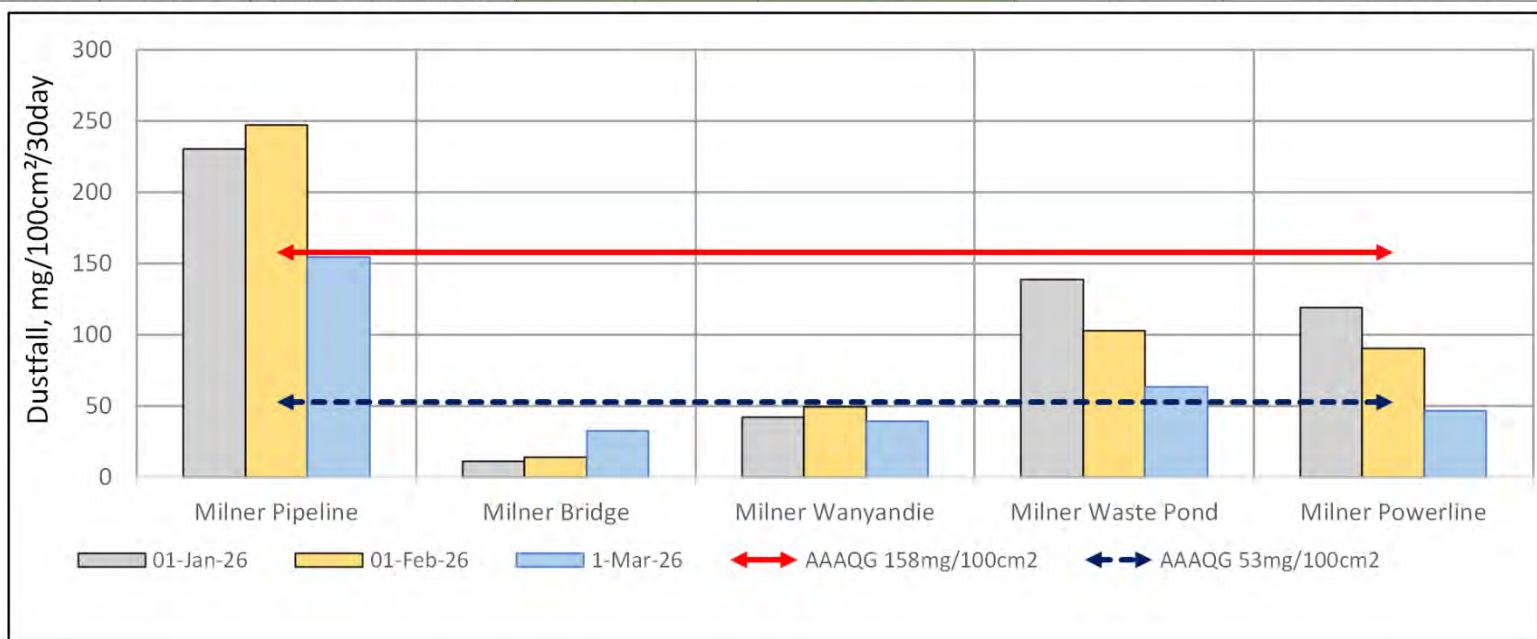
### H<sub>2</sub>S Monthly Average (units in ppb)



## 11 Dustfall Monitoring Data

**Milner Dustfall Samples March 2026**

Exposure Month	Year	Sample	Total Dustfall (30 day) mg/100cm <sup>2</sup> /30day	Fixed Dustfall (30 day) mg/100cm <sup>2</sup> /30day	Exposure days	Field Notes
March	2026	Milner Pipeline	154.2	42.4	33	
March	2026	Milner Bridge	32.3	1.5	33	
March	2026	Milner Wanyandie	39.2	4.1	33	
March	2026	Milner Waste Pond	63.5	15.5	33	
March	2026	Milner Powerline	46.5	16.2	33	
March	2026	Milner Powerline Dup	32.5	7.4	33	RPD, 35% / 75%



# End of Report



## Peace Airshed Zone Association

### Ambient Air Monitoring Report

March 2026