



Peace Airshed Zone Association

Ambient Air Monitoring Network Summary

Ambient Air Quality Monitoring Program

Monthly Report

September 2025

October 31, 2025

Alberta Environment and Protected Areas

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

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

Please find enclosed the PAZA Ambient Air Quality Monitoring Network Report for the month of September 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 September 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
Longview Oil Corp.	Sunset House	06-22-070-20-W5	00138884-01-00
Milner Power Limited Partnership	H.R. Milner thermal electric power plant	SE-15-058-08-W6	00009814-03-03
NorthRiver Midstream Inc.	Fourth Creek	16-11-082-09-W6	00000263-01-00
	Gordondale	11-26-079-09-W6	00011495-01-01
	Pouce Coupe/Bonanza	03-23-080-13-W6	00070203-01-01
Pembina Pipeline Corporation	Kakwa River	08-13-063-05 W6	00335342-01-00
Penn West Petroleum Ltd.	Tangent	13-29-080-23-W5	00001746-02-00
	Pouce Coupe	16-07-078-11-W6	00000614-01-00
Petrus Resources	Rycroft	08-25-077-06-W6	00011351-02-00
	Spirit River	08-34-077-06-W6	00011096-02-00
Strathcona Resources Ltd.	Jayar Sour Gas Processing Plant	06-08-062-03 W6	03612040-00-00
Suncor Energy Inc.	Progress	07-22-078-09-W6	00011428-02-00
Tidewater Midstream and Infrastructure Ltd.	Pipestone Sour Gas Plant	NW-35-70-9 W6	00403309-00-00
Veresen Energy	Hythe Brainard	11-18-074-12-W6	00010910-02-00
Weyerhaeuser Canada	Grande Prairie Pulp and Wood Plant	01-14-070-05-W6	00000113-02-00

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

- There were 219, 1hr readings above the PM_{2.5} AAAQG (80µg/m³)
- There were 53, 24hr readings above the PM_{2.5} AAAQO (29µg/m³)

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
Beaverlodge	446079	PM _{2.5}	01-Sep-25	00:00	01:00	247.9	3.2	283
Beaverlodge	446079	PM _{2.5}	01-Sep-25	01:00	02:00	228.8	7.0	327
Beaverlodge	446079	PM _{2.5}	01-Sep-25	02:00	03:00	240.9	3.6	25
Beaverlodge	446079	PM _{2.5}	01-Sep-25	03:00	04:00	248.4	4.2	249
Beaverlodge	446079	PM _{2.5}	01-Sep-25	04:00	05:00	240.0	11.6	290
Beaverlodge	446079	PM _{2.5}	01-Sep-25	05:00	06:00	196.6	10.1	344
Beaverlodge	446079	PM _{2.5}	01-Sep-25	06:00	07:00	183.2	17.8	326
Beaverlodge	446079	PM _{2.5}	01-Sep-25	07:00	08:00	233.7	10.2	359
Beaverlodge	446079	PM _{2.5}	01-Sep-25	08:00	09:00	212.5	8.5	7
Beaverlodge	446079	PM _{2.5}	01-Sep-25	09:00	10:00	197.4	6.8	353
Beaverlodge	446079	PM _{2.5}	01-Sep-25	10:00	11:00	196.5	10.5	49
Beaverlodge	446079	PM _{2.5}	01-Sep-25	11:00	12:00	136.9	18.3	88
Beaverlodge	446079	PM _{2.5}	01-Sep-25	12:00	13:00	113.6	18.7	85
Beaverlodge	446079	PM _{2.5}	01-Sep-25	13:00	14:00	112.7	16.4	78
Beaverlodge	446079	PM _{2.5}	01-Sep-25	14:00	15:00	129.6	1.6	115
Beaverlodge	446079	PM _{2.5}	01-Sep-25	15:00	16:00	139.8	10.6	267
Beaverlodge	446079	PM _{2.5}	01-Sep-25	16:00	17:00	132.2	10.6	254
Beaverlodge	446079	PM _{2.5}	01-Sep-25	17:00	18:00	127.3	9.7	250
Beaverlodge	446079	PM _{2.5}	01-Sep-25	18:00	19:00	121.5	10.1	257
Beaverlodge	446079	PM _{2.5}	01-Sep-25	19:00	20:00	96.3	8.9	288
Beaverlodge	446079	PM _{2.5}	01-Sep-25	20:00	21:00	93.3	10.4	270
Beaverlodge	446079	PM _{2.5}	01-Sep-25	21:00	22:00	81.3	6.9	282
Beaverlodge	446079	PM _{2.5}	02-Sep-25	11:00	12:00	112.0	14.4	8
Beaverlodge	446079	PM _{2.5}	02-Sep-25	12:00	13:00	140.2	11.8	11
Beaverlodge	446079	PM _{2.5}	02-Sep-25	13:00	14:00	135.8	10.8	9
Beaverlodge	446079	PM _{2.5}	02-Sep-25	14:00	15:00	110.3	10.4	5
Beaverlodge	446079	PM _{2.5}	02-Sep-25	15:00	16:00	87.5	10.7	5
Beaverlodge	446079	PM _{2.5}	03-Sep-25	22:00	23:00	92.7	14.4	329
Beaverlodge	446079	PM _{2.5}	03-Sep-25	23:00	00:00	104.8	13.9	330
Beaverlodge	446079	PM _{2.5}	04-Sep-25	00:00	01:00	127.9	12.1	315
Beaverlodge	446079	PM _{2.5}	11-Sep-25	18:00	19:00	150.2	9.9	198
Beaverlodge	446079	PM _{2.5}	11-Sep-25	19:00	20:00	125.6	8.1	95
Beaverlodge	446079	PM _{2.5}	11-Sep-25	20:00	21:00	105.7	7.1	207
Beaverlodge	446079	PM _{2.5}	11-Sep-25	21:00	22:00	110.9	2.4	81
Beaverlodge	446079	PM _{2.5}	11-Sep-25	22:00	23:00	101.1	5.0	276
Beaverlodge	446079	PM _{2.5}	11-Sep-25	23:00	00:00	96.1	5.9	274
Beaverlodge	446079	PM _{2.5}	12-Sep-25	00:00	01:00	94.5	3.5	261
Beaverlodge	446079	PM _{2.5}	12-Sep-25	01:00	02:00	87.9	1.6	329
Beaverlodge	446079	PM _{2.5}	12-Sep-25	02:00	03:00	93.1	1.6	158
Beaverlodge	446079	PM _{2.5}	12-Sep-25	03:00	04:00	95.8	0.5	212
Beaverlodge	446079	PM _{2.5}	12-Sep-25	04:00	05:00	95.9	1.1	91
Beaverlodge	446079	PM _{2.5}	12-Sep-25	05:00	06:00	94.1	2.2	78
Beaverlodge	446079	PM _{2.5}	12-Sep-25	06:00	07:00	92.5	2.4	48
Beaverlodge	446079	PM _{2.5}	12-Sep-25	07:00	08:00	95.6	2.9	74
Beaverlodge	446079	PM _{2.5}	12-Sep-25	08:00	09:00	95.0	2.2	141
Beaverlodge	446079	PM _{2.5}	12-Sep-25	09:00	10:00	91.4	2.9	172
Dunes	446080	PM _{2.5}	02-Sep-25	13:00	14:00	80.2	4.4	173
Dunes	446080	PM _{2.5}	02-Sep-25	14:00	15:00	88.9	5.2	160

Site	reference	Pollutant	Date	From MST	To MST	Average µg/m ³	WS km/hr	WD degrees
Henry Pirker	446078	PM _{2.5}	01-Sep-25	00:00	01:00	275.7	3.4	108
Henry Pirker	446078	PM _{2.5}	01-Sep-25	01:00	02:00	271.5	2.2	324
Henry Pirker	446078	PM _{2.5}	01-Sep-25	02:00	03:00	272.0	3.1	298
Henry Pirker	446078	PM _{2.5}	01-Sep-25	03:00	04:00	279.7	3.2	328
Henry Pirker	446078	PM _{2.5}	01-Sep-25	04:00	05:00	273.6	2.9	308
Henry Pirker	446078	PM _{2.5}	01-Sep-25	05:00	06:00	269.2	4.0	331
Henry Pirker	446078	PM _{2.5}	01-Sep-25	06:00	07:00	268.2	2.7	323
Henry Pirker	446078	PM _{2.5}	01-Sep-25	07:00	08:00	223.0	4.4	10
Henry Pirker	446078	PM _{2.5}	01-Sep-25	08:00	09:00	142.9	5.2	19
Henry Pirker	446078	PM _{2.5}	01-Sep-25	09:00	10:00	124.6	3.7	38
Henry Pirker	446078	PM _{2.5}	01-Sep-25	10:00	11:00	127.6	4.6	65
Henry Pirker	446078	PM _{2.5}	01-Sep-25	11:00	12:00	129.9	6.6	76
Henry Pirker	446078	PM _{2.5}	01-Sep-25	12:00	13:00	134.1	6.8	66
Henry Pirker	446078	PM _{2.5}	01-Sep-25	13:00	14:00	120.3	5.5	81
Henry Pirker	446078	PM _{2.5}	01-Sep-25	14:00	15:00	117.1	5.5	92
Henry Pirker	446078	PM _{2.5}	01-Sep-25	15:00	16:00	111.5	4.7	101
Henry Pirker	446078	PM _{2.5}	01-Sep-25	16:00	17:00	99.1	5.3	80
Henry Pirker	446078	PM _{2.5}	01-Sep-25	18:00	19:00	87.2	6.0	47
Henry Pirker	446078	PM _{2.5}	01-Sep-25	20:00	21:00	80.2	7.0	75
Henry Pirker	446078	PM _{2.5}	02-Sep-25	13:00	14:00	107.5	5.9	160
Henry Pirker	446078	PM _{2.5}	02-Sep-25	14:00	15:00	110.0	6.9	152
Henry Pirker	446078	PM _{2.5}	02-Sep-25	15:00	16:00	96.2	7.8	159
Henry Pirker	446078	PM _{2.5}	02-Sep-25	19:00	20:00	81.1	4.5	113
Henry Pirker	446078	PM _{2.5}	02-Sep-25	20:00	21:00	81.1	4.5	119
Henry Pirker	446078	PM _{2.5}	03-Sep-25	23:00	00:00	109.7	7.0	54
Henry Pirker	446078	PM _{2.5}	09-Sep-25	07:00	08:00	82.6	3.6	215
Henry Pirker	446078	PM _{2.5}	09-Sep-25	08:00	09:00	84.5	3.2	204
Henry Pirker	446078	PM _{2.5}	09-Sep-25	09:00	10:00	88.6	4.3	222
Henry Pirker	446078	PM _{2.5}	09-Sep-25	10:00	11:00	80.2	4.1	218
Henry Pirker	446078	PM _{2.5}	12-Sep-25	07:00	08:00	100.1	3.9	167
Henry Pirker	446078	PM _{2.5}	12-Sep-25	08:00	09:00	107.1	3.4	207
Henry Pirker	446078	PM _{2.5}	12-Sep-25	09:00	10:00	107.0	4.9	221
Henry Pirker	446078	PM _{2.5}	12-Sep-25	10:00	11:00	99.8	4.4	221
Henry Pirker	446078	PM _{2.5}	12-Sep-25	11:00	12:00	95.3	5.1	176
Henry Pirker	446078	PM _{2.5}	12-Sep-25	12:00	13:00	91.7	6.9	173
Henry Pirker	446078	PM _{2.5}	12-Sep-25	13:00	14:00	81.9	6.4	169
Smoky Heights	446084	PM _{2.5}	03-Sep-25	11:00	12:00	83.8	14.0	311
Smoky Heights	446084	PM _{2.5}	03-Sep-25	12:00	13:00	103.8	18.0	320
Smoky Heights	446084	PM _{2.5}	03-Sep-25	13:00	14:00	89.5	18.2	331
Smoky Heights	446084	PM _{2.5}	03-Sep-25	14:00	15:00	80.6	19.1	323
Smoky Heights	446084	PM _{2.5}	03-Sep-25	20:00	21:00	91.5	18.5	28
Smoky Heights	446084	PM _{2.5}	03-Sep-25	21:00	22:00	90.2	14.0	30
Smoky Heights	446084	PM _{2.5}	03-Sep-25	22:00	23:00	95.8	15.6	27
Smoky Heights	446084	PM _{2.5}	08-Sep-25	21:00	22:00	107.4	3.4	245
Smoky Heights	446084	PM _{2.5}	09-Sep-25	18:00	19:00	102.8	5.3	264
Smoky Heights	446084	PM _{2.5}	11-Sep-25	19:00	20:00	104.1	3.6	249
Smoky Heights	446084	PM _{2.5}	11-Sep-25	20:00	21:00	124.2	4.8	260
Smoky Heights	446084	PM _{2.5}	12-Sep-25	21:00	22:00	180.0	6.5	272
Smoky Heights	446084	PM _{2.5}	19-Sep-25	18:00	19:00	104.8	7.9	181
Smoky Heights	446084	PM _{2.5}	19-Sep-25	19:00	20:00	110.3	5.3	233
Fox Creek	446081	PM _{2.5}	01-Sep-25	00:00	01:00	172.5	4.2	161
Fox Creek	446081	PM _{2.5}	01-Sep-25	01:00	02:00	175.5	5.1	161
Fox Creek	446081	PM _{2.5}	01-Sep-25	02:00	03:00	181.2	5.1	165
Fox Creek	446081	PM _{2.5}	01-Sep-25	03:00	04:00	180.1	3.8	185

Site	reference	Pollutant	Date	From MST	To MST	Average µg/m ³	WS km/hr	WD degrees
Fox Creek	446081	PM _{2.5}	01-Sep-25	04:00	05:00	181.8	2.9	160
Fox Creek	446081	PM _{2.5}	01-Sep-25	05:00	06:00	180.4	4.3	162
Fox Creek	446081	PM _{2.5}	01-Sep-25	06:00	07:00	152.4	3.2	184
Fox Creek	446081	PM _{2.5}	01-Sep-25	07:00	08:00	105.9	1.1	197
Fox Creek	446081	PM _{2.5}	01-Sep-25	08:00	09:00	109.5	4.3	334
Fox Creek	446081	PM _{2.5}	01-Sep-25	09:00	10:00	128.4	5.6	298
Fox Creek	446081	PM _{2.5}	01-Sep-25	10:00	11:00	139.5	5.7	332
Fox Creek	446081	PM _{2.5}	01-Sep-25	11:00	12:00	150.0	5.3	338
Fox Creek	446081	PM _{2.5}	01-Sep-25	12:00	13:00	152.2	5.8	357
Fox Creek	446081	PM _{2.5}	01-Sep-25	13:00	14:00	162.8	7.7	14
Fox Creek	446081	PM _{2.5}	01-Sep-25	14:00	15:00	167.3	4.9	345
Fox Creek	446081	PM _{2.5}	01-Sep-25	15:00	16:00	170.2	4.0	340
Fox Creek	446081	PM _{2.5}	01-Sep-25	16:00	17:00	172.6	4.9	350
Fox Creek	446081	PM _{2.5}	01-Sep-25	17:00	18:00	172.2	3.2	339
Fox Creek	446081	PM _{2.5}	01-Sep-25	18:00	19:00	154.4	2.4	336
Fox Creek	446081	PM _{2.5}	01-Sep-25	19:00	20:00	149.1	1.8	187
Fox Creek	446081	PM _{2.5}	01-Sep-25	20:00	21:00	154.3	2.4	99
Fox Creek	446081	PM _{2.5}	01-Sep-25	21:00	22:00	153.3	6.4	151
Fox Creek	446081	PM _{2.5}	01-Sep-25	22:00	23:00	141.5	7.3	153
Fox Creek	446081	PM _{2.5}	01-Sep-25	23:00	00:00	120.6	8.0	144
Fox Creek	446081	PM _{2.5}	02-Sep-25	00:00	01:00	115.4	5.1	150
Fox Creek	446081	PM _{2.5}	02-Sep-25	01:00	02:00	94.5	5.0	148
Fox Creek	446081	PM _{2.5}	02-Sep-25	10:00	11:00	84.1	6.2	119
Fox Creek	446081	PM _{2.5}	02-Sep-25	11:00	12:00	94.7	2.6	194
Fox Creek	446081	PM _{2.5}	02-Sep-25	12:00	13:00	102.6	5.1	137
Fox Creek	446081	PM _{2.5}	02-Sep-25	13:00	14:00	95.2	6.1	126
Fox Creek	446081	PM _{2.5}	02-Sep-25	14:00	15:00	88.2	8.0	128
Fox Creek	446081	PM _{2.5}	02-Sep-25	15:00	16:00	80.8	7.6	136
Fox Creek	446081	PM _{2.5}	04-Sep-25	05:00	06:00	83.5	1.7	327
Fox Creek	446081	PM _{2.5}	04-Sep-25	06:00	07:00	81.3	1.2	228
Fox Creek	446081	PM _{2.5}	12-Sep-25	08:00	09:00	83.5	2.2	166
Fox Creek	446081	PM _{2.5}	12-Sep-25	09:00	10:00	103.5	2.7	194
Fox Creek	446081	PM _{2.5}	12-Sep-25	10:00	11:00	103.5	2.6	288
Fox Creek	446081	PM _{2.5}	12-Sep-25	11:00	12:00	93.4	4.3	319
Fox Creek	446081	PM _{2.5}	12-Sep-25	17:00	18:00	83.7	1.5	317
Fox Creek	446081	PM _{2.5}	13-Sep-25	08:00	09:00	81.0	2.0	165
Fox Creek	446081	PM _{2.5}	13-Sep-25	09:00	10:00	80.3	2.6	163
Happy Valley	446082	PM _{2.5}	01-Sep-25	00:00	01:00	235.9	2.4	270
Happy Valley	446082	PM _{2.5}	01-Sep-25	01:00	02:00	253.6	5.3	336
Happy Valley	446082	PM _{2.5}	01-Sep-25	02:00	03:00	264.4	4.7	297
Happy Valley	446082	PM _{2.5}	01-Sep-25	03:00	04:00	267.4	4.5	269
Happy Valley	446082	PM _{2.5}	01-Sep-25	04:00	05:00	267.2	4.5	255
Happy Valley	446082	PM _{2.5}	01-Sep-25	05:00	06:00	281.9	1.8	329
Happy Valley	446082	PM _{2.5}	01-Sep-25	06:00	07:00	282.8	2.2	288
Happy Valley	446082	PM _{2.5}	01-Sep-25	07:00	08:00	274.7	6.2	99
Happy Valley	446082	PM _{2.5}	01-Sep-25	08:00	09:00	240.9	4.2	87
Happy Valley	446082	PM _{2.5}	01-Sep-25	09:00	10:00	207.0	11.7	67
Happy Valley	446082	PM _{2.5}	01-Sep-25	10:00	11:00	189.3	12.8	63
Happy Valley	446082	PM _{2.5}	01-Sep-25	11:00	12:00	162.6	12.4	54
Happy Valley	446082	PM _{2.5}	01-Sep-25	12:00	13:00	145.1	11.6	29
Happy Valley	446082	PM _{2.5}	01-Sep-25	13:00	14:00	125.1	8.8	47
Happy Valley	446082	PM _{2.5}	01-Sep-25	14:00	15:00	109.2	10.1	53
Happy Valley	446082	PM _{2.5}	01-Sep-25	15:00	16:00	106.4	11.9	51
Happy Valley	446082	PM _{2.5}	01-Sep-25	16:00	17:00	91.1	12.5	80

Site	reference	Pollutant	Date	From MST	To MST	Average µg/m ³	WS km/hr	WD degrees
Happy Valley	446082	PM _{2.5}	01-Sep-25	17:00	18:00	103.7	15.2	74
Happy Valley	446082	PM _{2.5}	01-Sep-25	18:00	19:00	94.0	15.2	76
Happy Valley	446082	PM _{2.5}	01-Sep-25	19:00	20:00	89.8	12.9	98
Happy Valley	446082	PM _{2.5}	01-Sep-25	21:00	22:00	87.5	7.9	116
Happy Valley	446082	PM _{2.5}	02-Sep-25	13:00	14:00	87.3	12.1	105
Happy Valley	446082	PM _{2.5}	02-Sep-25	14:00	15:00	84.2	10.2	179
Happy Valley	446082	PM _{2.5}	02-Sep-25	17:00	18:00	83.6	6.6	201
Happy Valley	446082	PM _{2.5}	02-Sep-25	18:00	19:00	84.5	6.3	175
Happy Valley	446082	PM _{2.5}	02-Sep-25	19:00	20:00	83.6	4.4	178
Happy Valley	446082	PM _{2.5}	03-Sep-25	20:00	21:00	92.7	24.8	20
Happy Valley	446082	PM _{2.5}	03-Sep-25	21:00	22:00	110.0	22.0	25
Happy Valley	446082	PM _{2.5}	03-Sep-25	22:00	23:00	128.6	23.6	35
Happy Valley	446082	PM _{2.5}	03-Sep-25	23:00	00:00	90.1	17.9	51
Happy Valley	446082	PM _{2.5}	04-Sep-25	01:00	02:00	83.9	5.5	139
Happy Valley	446082	PM _{2.5}	04-Sep-25	06:00	07:00	97.5	1.3	130
Happy Valley	446082	PM _{2.5}	04-Sep-25	07:00	08:00	123.4	8.0	141
Happy Valley	446082	PM _{2.5}	06-Sep-25	18:00	19:00	204.4	4.2	142
Happy Valley	446082	PM _{2.5}	11-Sep-25	21:00	22:00	98.2	4.5	228
Happy Valley	446082	PM _{2.5}	11-Sep-25	22:00	23:00	99.7	9.4	257
Happy Valley	446082	PM _{2.5}	11-Sep-25	23:00	00:00	91.4	7.4	246
Happy Valley	446082	PM _{2.5}	12-Sep-25	00:00	01:00	86.4	11.0	254
Happy Valley	446082	PM _{2.5}	13-Sep-25	21:00	22:00	88.7	1.7	93
Milner	446083	PM _{2.5}	01-Sep-25	15:00	16:00	98.5	10.3	58
Milner	446083	PM _{2.5}	01-Sep-25	16:00	17:00	114.9	8.1	61
Milner	446083	PM _{2.5}	01-Sep-25	17:00	18:00	122.2	5.8	59
Milner	446083	PM _{2.5}	01-Sep-25	18:00	19:00	125.7	3.8	57
Milner	446083	PM _{2.5}	01-Sep-25	19:00	20:00	126.6	1.9	78
Milner	446083	PM _{2.5}	01-Sep-25	20:00	21:00	130.0	1.1	72
Milner	446083	PM _{2.5}	01-Sep-25	21:00	22:00	138.4	3.5	41
Milner	446083	PM _{2.5}	01-Sep-25	22:00	23:00	139.2	5.2	44
Milner	446083	PM _{2.5}	01-Sep-25	23:00	00:00	139.6	2.7	46
Milner	446083	PM _{2.5}	02-Sep-25	00:00	01:00	142.9	0.0	352
Milner	446083	PM _{2.5}	02-Sep-25	01:00	02:00	142.4	0.1	294
Milner	446083	PM _{2.5}	02-Sep-25	02:00	03:00	141.4	1.0	274
Milner	446083	PM _{2.5}	02-Sep-25	03:00	04:00	134.2	0.1	276
Milner	446083	PM _{2.5}	02-Sep-25	04:00	05:00	133.5	0.0	293
Milner	446083	PM _{2.5}	02-Sep-25	05:00	06:00	132.8	0.0	298
Milner	446083	PM _{2.5}	02-Sep-25	06:00	07:00	134.4	0.1	260
Milner	446083	PM _{2.5}	02-Sep-25	07:00	08:00	128.5	0.0	221
Milner	446083	PM _{2.5}	02-Sep-25	08:00	09:00	117.2	0.0	162
Milner	446083	PM _{2.5}	02-Sep-25	09:00	10:00	103.4	0.1	189
Milner	446083	PM _{2.5}	02-Sep-25	10:00	11:00	90.0	1.2	175
Milner	446083	PM _{2.5}	02-Sep-25	11:00	12:00	84.3	3.5	182
Milner	446083	PM _{2.5}	11-Sep-25	17:00	18:00	110.6	10.1	245
Milner	446083	PM _{2.5}	11-Sep-25	18:00	19:00	113.1	8.7	249
Milner	446083	PM _{2.5}	11-Sep-25	19:00	20:00	122.2	11.1	255
Milner	446083	PM _{2.5}	11-Sep-25	20:00	21:00	119.1	6.6	252
Milner	446083	PM _{2.5}	11-Sep-25	21:00	22:00	120.5	3.8	288
Milner	446083	PM _{2.5}	11-Sep-25	22:00	23:00	125.4	2.7	275
Milner	446083	PM _{2.5}	11-Sep-25	23:00	00:00	134.0	3.0	277
Milner	446083	PM _{2.5}	12-Sep-25	00:00	01:00	132.8	4.2	282
Milner	446083	PM _{2.5}	12-Sep-25	01:00	02:00	131.5	3.1	285
Milner	446083	PM _{2.5}	12-Sep-25	02:00	03:00	128.4	2.6	280
Milner	446083	PM _{2.5}	12-Sep-25	03:00	04:00	120.9	3.7	282

Site	reference	Pollutant	Date	From MST	To MST	Average $\mu\text{g}/\text{m}^3$	WS km/hr	WD degrees
Milner	446083	PM _{2.5}	12-Sep-25	04:00	05:00	117.7	4.4	278
Milner	446083	PM _{2.5}	12-Sep-25	05:00	06:00	117.0	1.8	271
Milner	446083	PM _{2.5}	12-Sep-25	06:00	07:00	115.9	3.0	269
Milner	446083	PM _{2.5}	12-Sep-25	07:00	08:00	113.6	3.4	259
Milner	446083	PM _{2.5}	12-Sep-25	08:00	09:00	108.7	3.1	247
Milner	446083	PM _{2.5}	12-Sep-25	09:00	10:00	96.6	4.7	243
Milner	446083	PM _{2.5}	12-Sep-25	10:00	11:00	87.9	5.8	255
Milner	446083	PM _{2.5}	12-Sep-25	11:00	12:00	82.8	5.9	247
Milner	446083	PM _{2.5}	12-Sep-25	12:00	13:00	81.7	6.5	253

Readings above the 24hr PM_{2.5} AAAQO (29 $\mu\text{g}/\text{m}^3$) recorded as follows:

Site	reference	Pollutant	Date	Average $\mu\text{g}/\text{m}^3$	WS km/hr	WD degrees
Beaverlodge	446079	PM _{2.5}	01-Sep-25	159.8	9.8	320
Beaverlodge	446079	PM _{2.5}	02-Sep-25	75.4	7.7	15
Beaverlodge	446079	PM _{2.5}	03-Sep-25	45.8	12.8	5
Beaverlodge	446079	PM _{2.5}	04-Sep-25	35.4	10.5	250
Beaverlodge	446079	PM _{2.5}	06-Sep-25	29.6	4.8	50
Beaverlodge	446079	PM _{2.5}	07-Sep-25	39.6	11.6	133
Beaverlodge	446079	PM _{2.5}	08-Sep-25	31.2	7.5	2
Beaverlodge	446079	PM _{2.5}	11-Sep-25	45.9	6.3	3
Beaverlodge	446079	PM _{2.5}	12-Sep-25	71.5	5.1	235
Dunes	446080	PM _{2.5}	02-Sep-25	44.9	2.2	168
Dunes	446080	PM _{2.5}	07-Sep-25	32.3	2.4	283
Dunes	446080	PM _{2.5}	12-Sep-25	50.3	1.8	167
Dunes	446080	PM _{2.5}	13-Sep-25	43.8	1.7	84
Henry Pirker	446078	PM _{2.5}	01-Sep-25	156.8	4.6	55
Henry Pirker	446078	PM _{2.5}	02-Sep-25	69.2	3.6	143
Henry Pirker	446078	PM _{2.5}	03-Sep-25	48.5	10.1	324
Henry Pirker	446078	PM _{2.5}	04-Sep-25	32.2	6.2	94
Henry Pirker	446078	PM _{2.5}	06-Sep-25	29.3	2.7	187
Henry Pirker	446078	PM _{2.5}	07-Sep-25	37.2	4.1	326
Henry Pirker	446078	PM _{2.5}	08-Sep-25	35.9	3.1	153
Henry Pirker	446078	PM _{2.5}	09-Sep-25	35.3	7.0	251
Smoky Heights	446084	PM _{2.5}	06-Sep-25	29.6	7.0	209
Smoky Heights	446084	PM _{2.5}	08-Sep-25	35.6	4.6	188
Smoky Heights	446084	PM _{2.5}	09-Sep-25	32.7	10.6	245
Smoky Heights	446084	PM _{2.5}	12-Sep-25	55.0	6.1	200
Smoky Heights	446084	PM _{2.5}	13-Sep-25	37.1	4.8	36
Fox Creek	446081	PM _{2.5}	01-Sep-25	155.3	4.6	133
Fox Creek	446081	PM _{2.5}	02-Sep-25	72.9	6.4	144
Fox Creek	446081	PM _{2.5}	03-Sep-25	46.5	6.9	308
Fox Creek	446081	PM _{2.5}	04-Sep-25	43.2	3.2	35
Fox Creek	446081	PM _{2.5}	08-Sep-25	29.9	2.2	143
Fox Creek	446081	PM _{2.5}	09-Sep-25	39.8	2.4	184
Fox Creek	446081	PM _{2.5}	11-Sep-25	34.7	2.8	174
Fox Creek	446081	PM _{2.5}	12-Sep-25	65.7	2.6	221
Fox Creek	446081	PM _{2.5}	13-Sep-25	52.1	4.0	154
Happy Valley	446082	PM _{2.5}	01-Sep-25	170.6	8.5	71
Happy Valley	446082	PM _{2.5}	02-Sep-25	69.0	9.0	178
Happy Valley	446082	PM _{2.5}	03-Sep-25	54.9	17.7	303
Happy Valley	446082	PM _{2.5}	04-Sep-25	37.7	9.0	130
Happy Valley	446082	PM _{2.5}	05-Sep-25	29.7	7.8	94
Happy Valley	446082	PM _{2.5}	06-Sep-25	42.0	3.5	296

Site	reference	Pollutant	Date	Average µg/m ³	WS km/hr	WD degrees
Happy Valley	446082	PM _{2.5}	07-Sep-25	43.9	8.0	268
Happy Valley	446082	PM _{2.5}	08-Sep-25	45.3	8.2	120
Milner	446083	PM _{2.5}	01-Sep-25	60.2	4.8	56
Milner	446083	PM _{2.5}	02-Sep-25	83.0	1.5	106
Milner	446083	PM _{2.5}	03-Sep-25	33.4	3.3	227
Milner	446083	PM _{2.5}	04-Sep-25	46.9	3.6	58
Milner	446083	PM _{2.5}	08-Sep-25	32.5	2.2	252
Milner	446083	PM _{2.5}	09-Sep-25	52.6	3.5	252
Milner	446083	PM _{2.5}	10-Sep-25	36.9	2.7	243
Milner	446083	PM _{2.5}	11-Sep-25	75.5	4.5	241
Milner	446083	PM _{2.5}	12-Sep-25	90.3	3.7	261
Milner	446083	PM _{2.5}	13-Sep-25	38.6	3.5	264

Operational times less than 90 percent

All instruments in the network were in operation >90% during the month.

Air Incidents

Wildfires at beginning of month through mid-month caused periods of elevated smoke (particulate matter) and AQHI in the region

Deviations from Authorized Monitoring Methods

Wildfire bulk reporting protocol in place, only 24hr readings need reporting.

Passive Monitoring

- 54 Stations throughout the PAZA zone
 - Passive sample analyses were performed by Bureau Veritas Laboratories
 - Field notes indicated:
 - Eaglesham Site - Sample head destroyed - no samples (SO₂ & NO₂)
 - Crooked Creek – NO₂ & O₃ samples found on ground at collection, SO₂ was ok (results for NO₂ and O₃ were still reported)
 - No notes from either field or lab, but lab reported results for Milner Waste Pond greater than 100x more than any sample in past – data was removed as suspect – lab was contacted for verification

There were 20 duplicates sampled in the month of September:

- Eight SO₂ duplicates located at Steeprock Creek, Sylvester, Gift Lake, East Prairie, Duvernay 4, Kakwa 3, Milner Pipeline, Jayar2 14-8
 - RPD ranging from 0% to 51% (one fail, at East Prairie, 0.08 and 0.05)
 - Milner Pipeline duplicate both <0.1ppb
- One O₃ duplicate at Crooked Creek
 - RPD of 4% (no fail)
- Seven NO₂ duplicates at Beaverlodge, Pinto Creek, McLennan, Peavine, Kakwa 1, Milner Powerline, Jayar1 Plant
 - RPD ranging from 2% to 24% (no fails)
- Four H₂S duplicates at Girouxville 3, Duvernay 4, Kakwa 4, Jayar5 Camp

- RPD ranging from 2% to 25% (no fails)

Dustfall Monitoring

- Five Stations collected Total Dustfall and Fixed Dustfall
- Total dustfall ranged from 40.6 to 121.8 mg/100cm²/30day
- RPD was 3 to 12% (no fails)

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

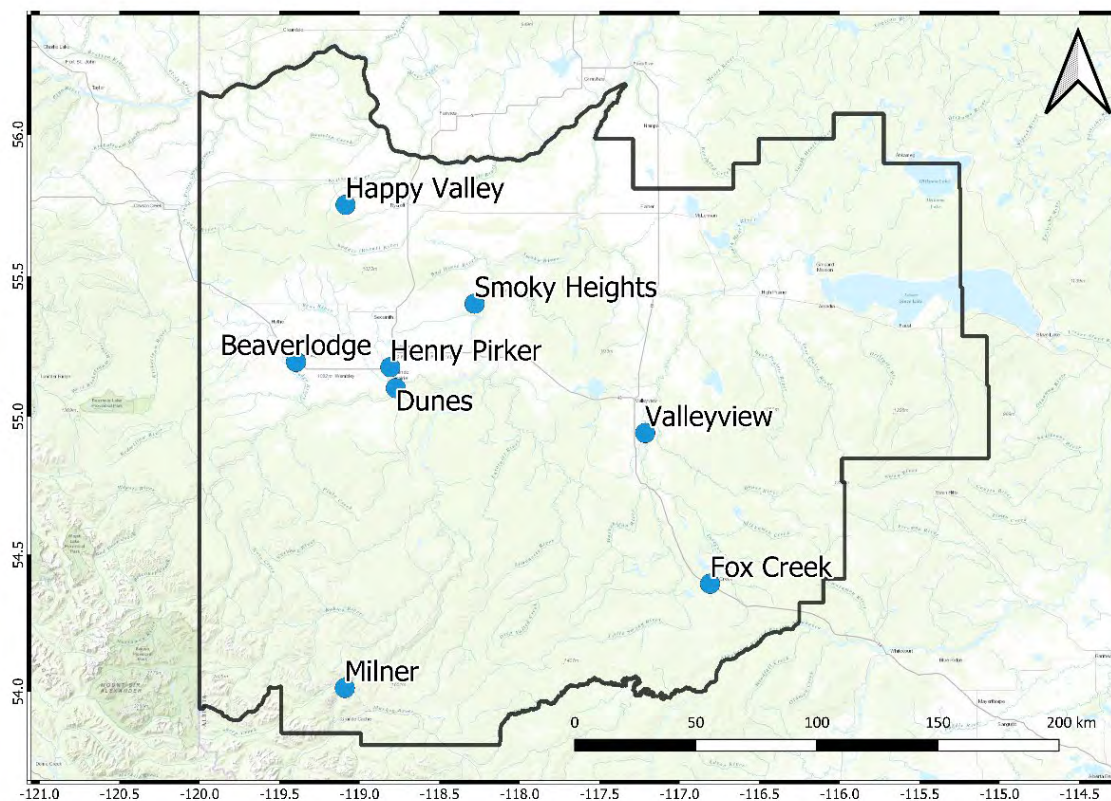


Mandeep Dhaliwal, B.Sc., P.Chem.
Program Manager

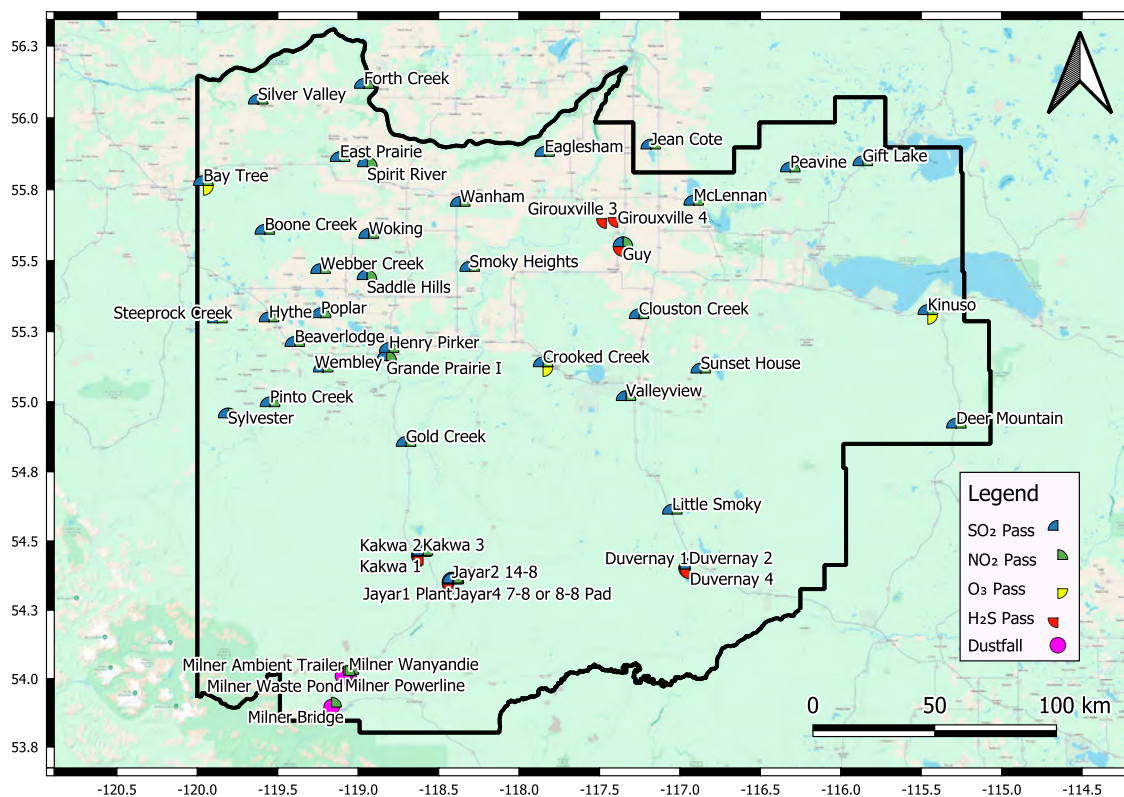
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PAZA Continuous Monitoring Station Locations



PAZA Passive Monitoring Station Locations



1 September 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 - September 2025 Beaverlodge Station Report

Parameter	September				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)	0.5	0.0	95.1%	100.0%	20.8	-	Sep-17 09:00	2.0	-	Sep-17	-	-	-	-	Sep 02, 2025
NO ₂ (ppb)	3.6	0.5	95.1%	100.0%	14.6	159	Sep-13 11:00	7.4	-	Sep-13	0	-	-	-	Sep 02, 2025
NO _x (ppb)	4.0	0.5	95.1%	100.0%	34.0	-	Sep-17 09:00	8.6	-	Sep-13	-	-	-	-	Sep 02, 2025
O ₃ (ppb)	27.6	2.8	95.4%	100.0%	51.7	76	Sep-13 17:00	32.6	-	Sep-18	0	-	-	-	Sep 02, 2025
PM _{2.5} (µg/m ³)	24.8	0.2	99.7%	100.0%	260.6	80	Sep-01 00:00	159.8	29	Sep-01	46	-	10	-	Sep 09, 2025
SO ₂ (ppb)	0.5	0.0	95.3%	100.0%	18.7	172	Sep-10 12:00	1.6	48	Sep-10	0	-	0	0	Sep 09, 2025
Average	14.7	0.4	100.0%	100.0%	29.1	Note: Valid hours must be greater than 75% Operational hours must be greater than 90% Average Wind Direction343NNW									
Temp (°C)	14.7	0.4	100.0%	100.0%	29.1										
RH (%)	56.7	21.0	100.0%	100.0%	100.2										
WS (km/hr)	8.9	0.1	100.0%	100.0%	26.4										
WD (deg)	343	0.6	100.0%	100.0%	359.3										

Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42iQ	No Operational issues noted
O ₃	Thermo	49iQ	No Operational issues noted
PM _{2.5}	API	T640	No Operational issues noted; September, 46x1hr readings above AAAQG and 10x24hr above AAAQG
SO ₂	Thermo	43i-TLE	No Operational issues noted
Met Equip	MetOne	50.5	No Operational issues noted

1.2 Dunes Air Monitoring Station

PAZA - September 2025 Dunes Station Report

Parameter	September				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)	13.6	0.0	97.1%	97.4%	88.9	80	Sep-02 15:00	50.3	29	Sep-12	2	-	4	-	Sep-10-2025
SO ₂ (ppb)	0.4	0.0	95.3%	100.0%	5.8	172	Sep-30 13:00	1.4	48	Sep-29	0	-	0	0	Sep-10-2025
TRS (ppb)	0.5	0.0	95.4%	100.0%	3.0	5	Sep-30 03:00	0.9	3	Sep-30	0	-	0	-	Sep-10-2025
Average	13.9	-2.8	100.0%	100.0%	28.8	Note: Valid hours must be greater than 75% Operational hours must be greater than 90% Average Wind Direction230SW									
Temp (°C)	13.9	-2.8	100.0%	100.0%	28.8										
RH (%)	61.7	18.7	100.0%	100.0%	99.9										
WS (km/hr)	2.8	0.1	100.0%	100.0%	11.9										
WD (deg)	230	1.6	100.0%	100.0%	356.2										

Update Summary:

Parameter	Make	Model	Equipment summary
PM _{2.5}	Thermo	SHARP 5030	Sept 1 & 3, data fail (flatlined), 19hrs removed; 2x1hr readings above AAAQG and 4x24hr readings above AAAQG
SO ₂	Thermo	43i	No Operational issues noted during the month
TRS	Thermo	43i	No Operational issues noted during the month
Met Equip	Gil/RMYoung	MetPak/RMY86004	No Operational issues noted during the month

1.3 Grande Prairie - Henry Pirker Air Monitoring Station

PAZA - September 2025 Henry Pirker Station Report

September 2025 Monthly Air Quality Report																
Parameter	September			Operational	1-hour			8-hour / 24-hour			Exceedance				Calibration	
	Average	Minimum	Valid		Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date	
NO (ppb)	2.1	0.0	94.9%	99.4%	32.3	-	Sep-02 08:00	7.9	-	Sep-25	-	-	-	-	Sep 03, 2025	
NO ₂ (ppb)	7.8	0.7	94.9%	99.4%	34.1	159	Sep-19 22:00	13.5	-	Sep-06	0	-	-	-	Sep 03, 2025	
NO _x (ppb)	10.0	0.8	94.9%	99.4%	56.2	-	Sep-17 08:00	18.3	-	Sep-25	-	-	-	-	Sep 03, 2025	
O ₃ (ppb)	23.2	0.2	94.9%	99.4%	64.1	76	Sep-02 15:00	30.4	-	Sep-18	0	-	-	-	Sep 03, 2025	
PM _{2.5} (µg/m³)	24.7	0.3	99.2%	99.4%	279.7	80	Sep-01 04:00	156.8	29	Sep-01	36	-	10	-	Sep 08, 2025	
SO ₂ (ppb)	0.3	0.0	95.0%	99.4%	7.3	172	Sep-08 09:00	0.9	48	Sep-25	0	-	0	0	Sep 03, 2025	
H ₂ S (ppb)	0.2	0.0	94.9%	99.4%	2.2	10	Sep-25 06:00	0.4	3	Sep-30	0	-	0	-	Sep 08, 2025	
CH ₄ (ppm)	2.2	2.0	93.5%	98.1%	2.8	-	Sep-08 09:00	2.5	-	Sep-01	-	-	-	-	Sep 04, 2025	
THC (ppm)	2.2	1.9	93.5%	98.1%	4.8	-	Sep-08 09:00	2.4	-	Sep-02	-	-	-	-	Sep 04, 2025	
NMHC (ppm)	0.0	0.0	93.5%	98.1%	2.0	-	Sep-08 09:00	0.1	-	Sep-08	-	-	-	-	Sep 04, 2025	
CO (ppm)	0.2	0.1	95.0%	99.4%	1.1	13	Sep-01 00:00	0.6	5	Sep-01	0	0	-	-	Sep 04, 2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	15.2	-0.6	99.6%	99.6%	30.6	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%										Dec 12, 2024
RH (%)	55.9	18.9	99.6%	99.6%	88.8											Dec 12, 2024
SR (W/m²)	128.7	0.0	99.6%	99.6%	673.5											Dec 12, 2024
WS (km/hr)	5.4	0.1	99.6%	99.6%	27.1											Dec 12, 2024
WD (deg)	246	2.3	99.6%	99.6%	358.9											Dec 12, 2024
Average Wind Direction									246	WSW						Dec 12, 2024

Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42i	Sept 7, missing data (3hrs removed); Sept 13, AIC zero failed, span ok, remaining AIC, zero's ok
O ₃	TECO	49i	Sept 7, missing data (3hrs removed); Sept 13, AIC zero failed, span ok, remaining AIC, zero's ok
PM _{2.5}	API	T640	Sept 7, missing data (4hrs removed); Month of Sept, 36x1hr readings above AAAQG and 10x24hr reading above AAAQO
SO ₂	Thermo	43i-TLE	Sept 7, missing data (3hrs removed); Sept 13, AIC zero failed, span ok, remaining AIC, zero's ok
H ₂ S	TEI	450i	Sept 7, missing data (3hrs removed); Sept 13, AIC zero failed, span ok, remaining AIC, zero's ok
THC/CH ₄ /NMHC	TEI	55i	Sept 7, missing data (3hrs removed); Sept 12-13, analyzer flatlined at span limit, 11hrs removed
CO	Thermo	48i-TLE	Sept 7, missing data (3hrs removed); Sept 13, AIC zero failed, span ok, remaining AIC, zero's ok
Met Equip	MetOne	50.5	Sept 7, missing data (3hrs removed)

1.4 Smoky Heights Air Monitoring Station

PAZA - September 2025 Smoky Heights Station Report

September					30min / 1-hour			24-hour			Exceedance				Calibration			
Parameter	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date			
PM _{2.5} (µg/m³)	16.7	0.0	91.7%	92.0%	180.0	80	Sep-12 22:00	55.0	29	Sep-12	14	-	5	-	Sep 03, 2025			
SO ₂ (ppb)	0.2	0.0	95.1%	99.9%	2.5	172	Sep-21 04:00	0.7	48	Sep-23	0	-	0	0	Sep 13, 2025			
TRS (ppb)	0.2	0.0	94.5%	99.2%	3.2	5	Sep-01 00:30	0.5	3	Sep-01	0	-	0	-	Sep 25, 2025			
	Average	Minimum	Valid	Operational	Maximum													
Temp (°C)	14.3	-2.0	100.0%	100.0%	29.3	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%												
WS (km/hr)	9.1	0.5	100.0%	100.0%	34.4													
WD (deg)	244	0.0	100.0%	100.0%	356.6	Average Wind Direction										244	WNW	
															Aug 02, 2025			
															Aug 02, 2025			

Update Summary:

Parameter	Make	Model	Equipment summary
PM _{2.5}	Sharp	5030	Aug 29-Sept 3, analyzer flatlined at maximum and data shifts occurring, data removed, Sept 2 shut down unit to inspect and ran shutdown calibration, intalled loaner analyzer from AEPA (AMU1969, SN:0208) on Sept 3 (57hrs removed in Sept); 14x1hr readings above AAAQG and 5x24hr reading above AAAQO
SO ₂	TECO	43i	Sept 24, AIC manual check for analyzer (1hr)
TRS	TEI	43i APSAA	Sept 24, AIC manual check for analyzer (1hr); Sept 25, second calibration performed due to AIC results, 5hrs maintenance
Met Equip	MetOne	50.5	No Operational issues noted during the month

1.5 Valleyview Air Monitoring Station

PAZA - September 2025 Valleyview Station Report

AER - September 2025 Valleyview Station Report															
Parameter	September			Operational	Max	1-hour		24-hour			Exceedance				Calibration
	Average	Minimum	Valid			Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date
SO ₂ (ppb)	0.1	0.0	95.4%	100.0%	3.1	172	Sep-23 15:00	0.2	48	Sep-25	0	-	0	0	Sep 22, 2025
H ₂ S (ppb)	0.1	0.0	95.3%	100.0%	0.5	10	Sep-15 00:00	0.3	3	Sep-14	0	-	0	-	Sep 22, 2025
	Average	Minimum	Valid	Operational	Maximum										
Temp (°C)	13.5	-1.7	100.0%	100.0%	29.8	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%									
RH (%)	73.6	25.0	100.0%	100.0%	100.3										
WS (km/hr)	2.6	0.0	100.0%	100.0%	14.8										
WD (deg)	197	0.1	100.0%	100.0%	359.9										
Average Wind Direction		197		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	RMV86004	No Operational issues noted during the month

1.6 Fox Creek Air Monitoring Station

PAZA - September 2025 Fox Creek Station Report

AACR - September 2025 Fox Creek Station Report																
Parameter	September			Operational	1-hour			8-hour / 24-hour			Exceedance				Calibration	
	Average	Minimum	Valid		Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date	
NO (ppb)	5.9	0.0	95.0%	100.0%	52.7	-	Sep-10 06:00	12.1	-	Sep-10	-	-	-	-	Sep 17, 2025	
NO ₂ (ppb)	6.6	0.5	95.0%	100.0%	27.0	159	Sep-19 19:00	8.6	-	Sep-13	0	-	-	-	Sep 17, 2025	
NO _x (ppb)	12.7	0.6	95.0%	100.0%	63.4	-	Sep-16 06:00	19.2	-	Sep-16	-	-	-	-	Sep 17, 2025	
O ₃ (ppb)	20.1	0.1	95.4%	100.0%	54.3	76	Sep-08 15:00	32.4	-	Sep-17	0	-	-	-	Sep 17, 2025	
PM _{2.5} (µg/m³)	26.0	0.9	99.7%	100.0%	181.8	80	Sep-01 05:00	155.3	29	Sep-01	41	-	9	-	Sep 17, 2025	
SO ₂ (ppb)	0.3	0.0	95.4%	100.0%	5.5	172	Sep-16 12:00	1.0	48	Sep-19	0	-	0	0	Sep 17, 2025	
H ₂ S (ppb)	0.1	0.0	95.4%	100.0%	0.7	10	Sep-01 05:00	0.4	3	Sep-04	0	-	0	-	Sep 18, 2025	
	Average	Minimum	Valid	Operational	Maximum											
Temp (°C)	13.8	-0.1	99.7%	100.0%	27.7	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%										Sep 17, 2025
WS (km/hr)	4.6	0.1	99.7%	100.0%	18.4											Sep 17, 2025
WD (deg)	181	0.7	99.7%	100.0%	357.1	Average Wind Direction		181		S						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; September, 41x1hr readings above AAAQG and 9x24hr readings above AAAQG
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; annual calibration performed Sept 17

1.7 Happy Valley Air Monitoring Station

PAZA - September 2025 Happy Valley Station Report

Parameter	September			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)	0.3	0.0	95.0%	99.9%	5.7	-	Sep-04 07:00	0.8	-	Sep-02	-	-	-	-	Sep 06, 2025
NO ₂ (ppb)	2.3	0.1	95.0%	99.9%	14.5	159	Sep-06 21:00	5.9	-	Sep-06	0	-	-	-	Sep 06, 2025
NO _x (ppb)	2.6	0.1	95.0%	99.9%	17.3	-	Sep-06 19:00	6.5	-	Sep-06	-	-	-	-	Sep 06, 2025
O ₃ (ppb)	27.9	5.0	95.3%	99.9%	56.9	76	Sep-02 17:00	34.7	-	Sep-20	0	-	-	-	Sep 06, 2025
PM _{2.5} (µg/m ³)	23.5	0.3	99.7%	100.0%	282.8	80	Sep-01 07:00	170.6	29	Sep-01	39	-	9	-	Sep 05, 2025
SO ₂ (ppb)	0.3	0.0	95.1%	99.9%	9.5	172	Sep-06 00:00	0.9	48	Sep-02	0	-	0	0	Sep 06, 2025
TRS (ppb)	0.4	0.1	95.1%	99.9%	2.8	5	Sep-15 20:00	0.8	-	Sep-30	0	-	-	-	Sep 05, 2025
CH ₄ (ppm)	2.1	1.9	87.5%	92.5%	3.4	-	Oct-01 00:00	2.3	-	Sep-30	-	-	-	-	Sep 06, 2025
THC (ppm)	2.1	1.9	87.5%	92.5%	4.0	-	Oct-01 00:00	2.4	-	Sep-30	-	-	-	-	Sep 06, 2025
NMHC (ppm)	0.0	0.0	87.5%	92.5%	0.6	-	Oct-01 00:00	0.1	-	Sep-30	-	-	-	-	Sep 06, 2025
Average	14.5	2.5	100.0%	100.0%	28.0	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%									
Temp (°C)	14.5	2.5	100.0%	100.0%	28.0										
WS (km/hr)	10.7	0.1	100.0%	100.0%	34.0										
WD (deg)	243	0.4	100.0%	100.0%	358.8	Average Wind Direction 243 WSW									

Update Summary:

Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	TEI	42i	Sept 5, manual AIC run due to verify analyzer ok (1hr maintenance)
O ₃	TEI	49I	Sept 5, manual AIC run due to verify analyzer ok (1hr maintenance)
PM _{2.5}	API	T640	No operational issues; September, 39x1hr readings above AAAQG and 9x24hr readings above AAAQO
SO ₂	TEI	43I	Sept 5, manual AIC run due to verify analyzer ok (1hr maintenance)
TRS	TEI	43I	Sept 5, manual AIC run due to verify analyzer ok (1hr maintenance)
THC/CH ₄ /NMHC	TEI	55i	Sept 5, AIC span was out by ~30%, manual AIC ran to check, also out, removal calibration attempted Sept 5, but analyzer was not responding to unit (S/N 1151980005 was swapped with Thermo Scientific 55 I S/N 1134650658) same issues, new cylinder of gas was tested next day; Sept 6, calibration ran with new nitrogen cylinder, slightly unstable but passed; Data drop was noted Sept 4, so data from AIC on Sept 4 to calibration removed (31hrs), then data between Sept 5-6 removed (16hrs), calibration on Sept 6 flagged as maintenance (7hrs)
Met Equip	MetOne	50.5	No operational issues noted in the month

1.8 Milner Air Monitoring Station

PAZA - September 2025 Milner Station Report

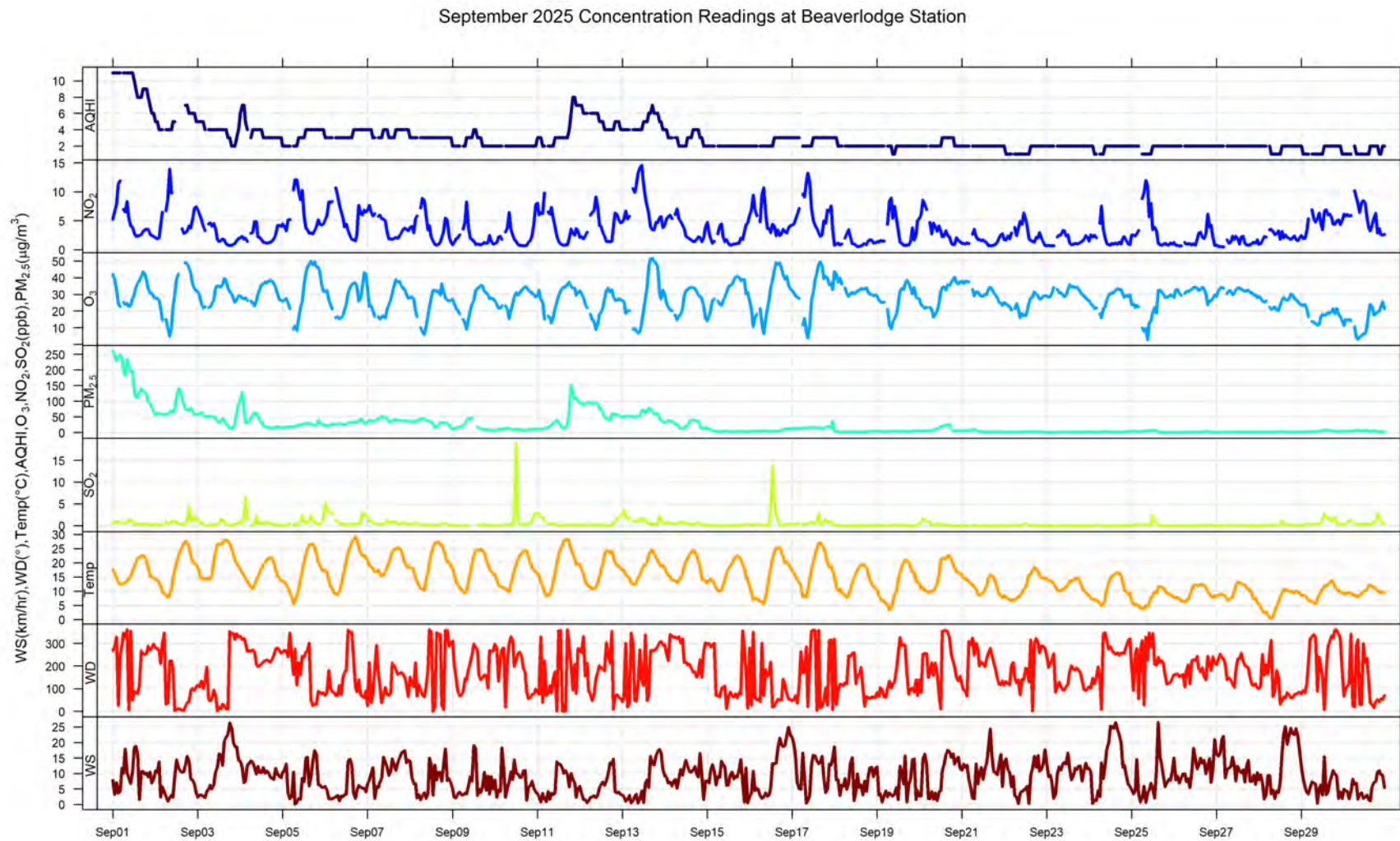
September					1-hour			24-hour			Exceedance				Calibration
Parameter	Average	Minimum	Valid	Operational	Max	Objective	Max Day and Time	Max	Objective	Max Day	1hr	8hr	24hr	30d	Date
NO (ppb)	0.9	0.0	95.0%	100.0%	16.6	-	Sep-28 10:00	2.8	-	Sep-29	-	-	-	-	Sep 09, 2025
NO ₂ (ppb)	2.6	0.0	95.0%	100.0%	15.1	159	Sep-22 08:00	4.8	-	Sep-20	0	-	-	-	Sep 09, 2025
NO _x (ppb)	3.6	0.0	95.0%	100.0%	29.4	-	Sep-22 08:00	6.9	-	Sep-20	-	-	-	-	Sep 09, 2025
PM _{2.5} (µg/m³)	23.6	0.3	99.4%	100.0%	142.9	80	Sep-02 01:00	90.3	29	Sep-12	41	-	10	-	Sep 09, 2025
Average					Minimum	Valid	Operational	Maximum							
WS (km/hr)	4.8	0.0	99.3%	100.0%	25.7	Note: Valid hours must be greater than 75% Operational hours must be greater than 90%									
WD (deg)	252	2.3	99.3%	100.0%	359.6										
					Average Wind Direction 252 WSW										

Update Summary:

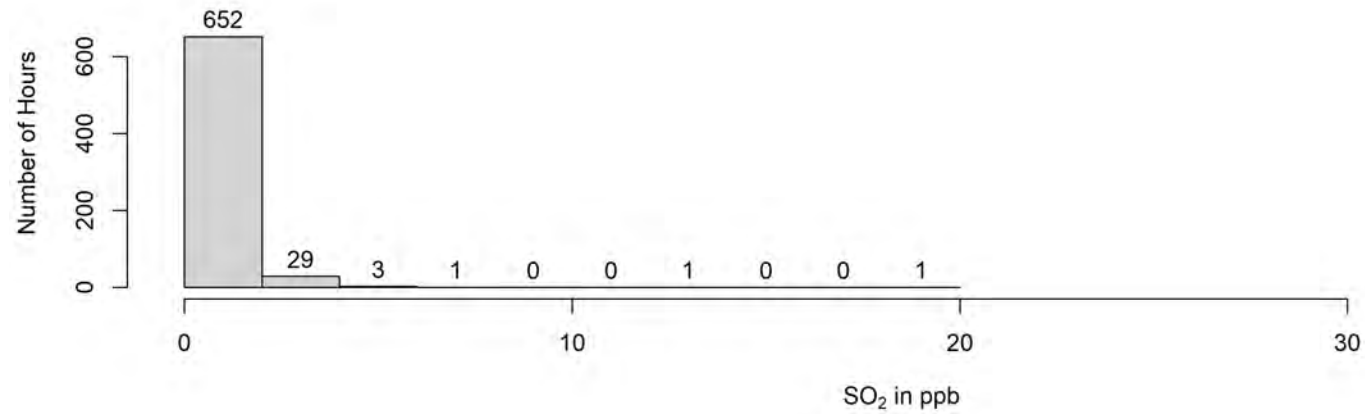
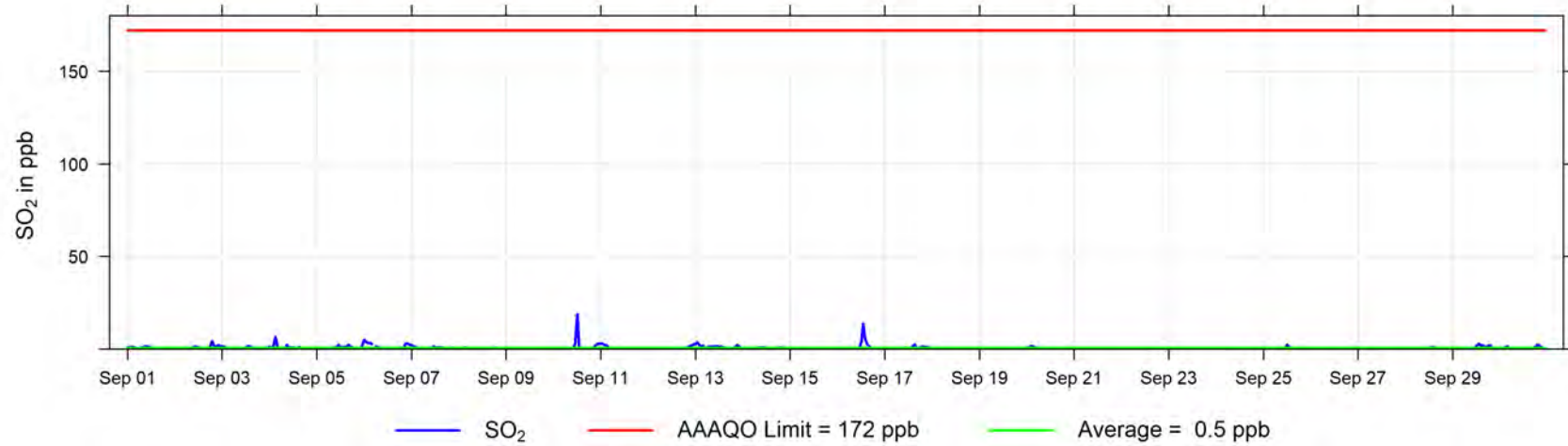
Parameter	Make	Model	Equipment summary
NO/NO ₂ /NO _x	Thermo	42i	No operational issues noted during the month
PM _{2.5}	API	T640	No operational issues, September, 41x1hr readings above AAAQG and 10x24hr reading above AAAQO
Met Equip	MetOne	50.5	No operational issues noted during the month

2 Beaverlodge Charts

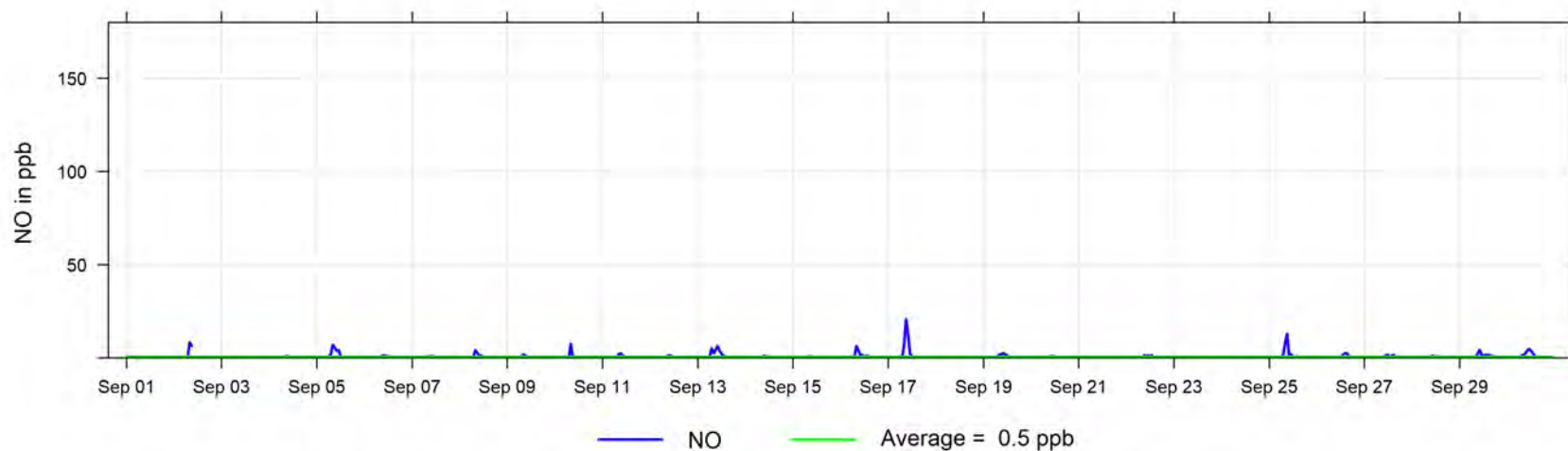
The following pages include the charts and histograms for Beaverlodge Station



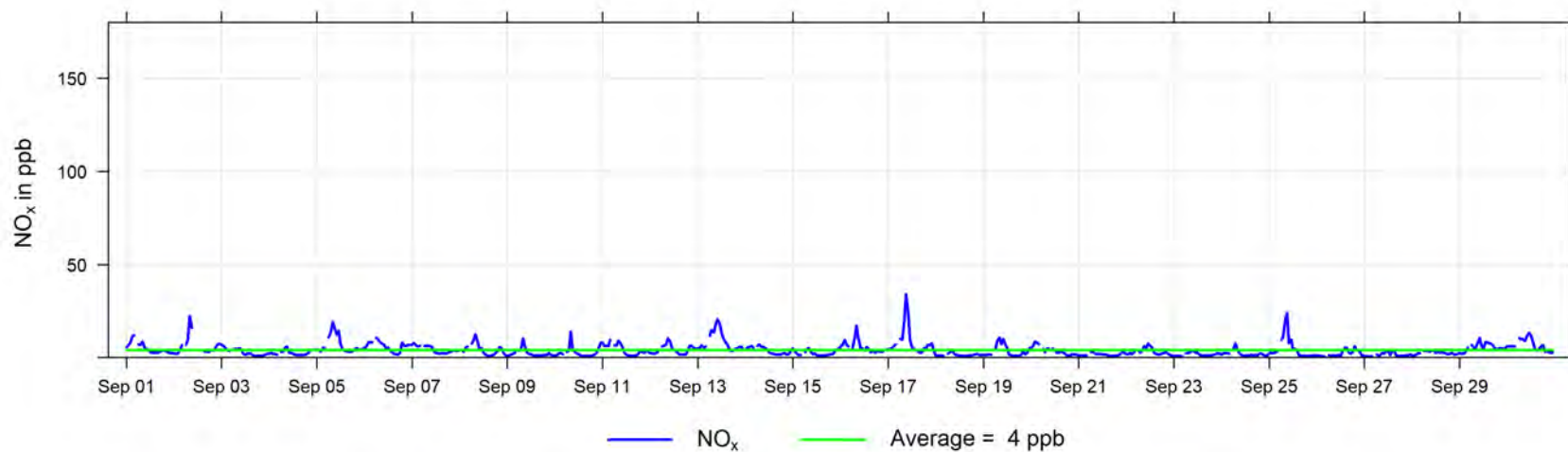
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Beaverlodge



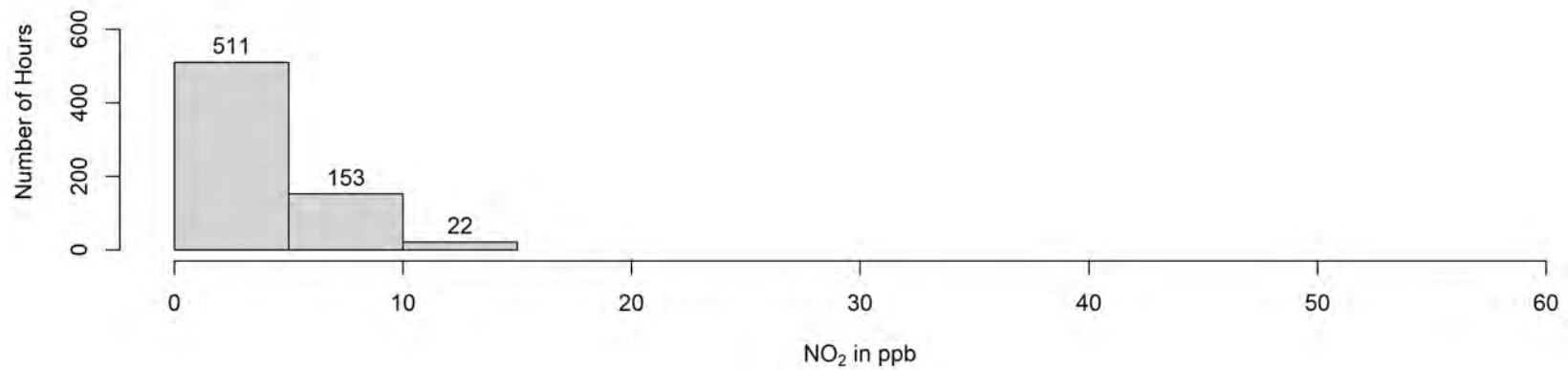
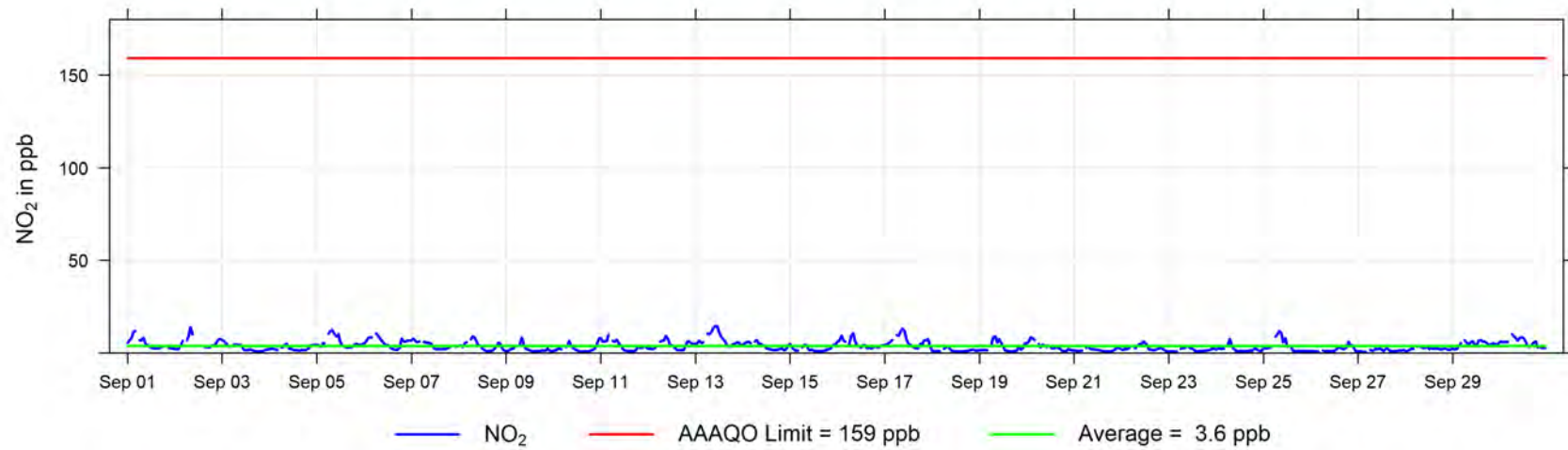
September 2025 Hourly Concentration Readings of NO (in ppb) at Beaverlodge



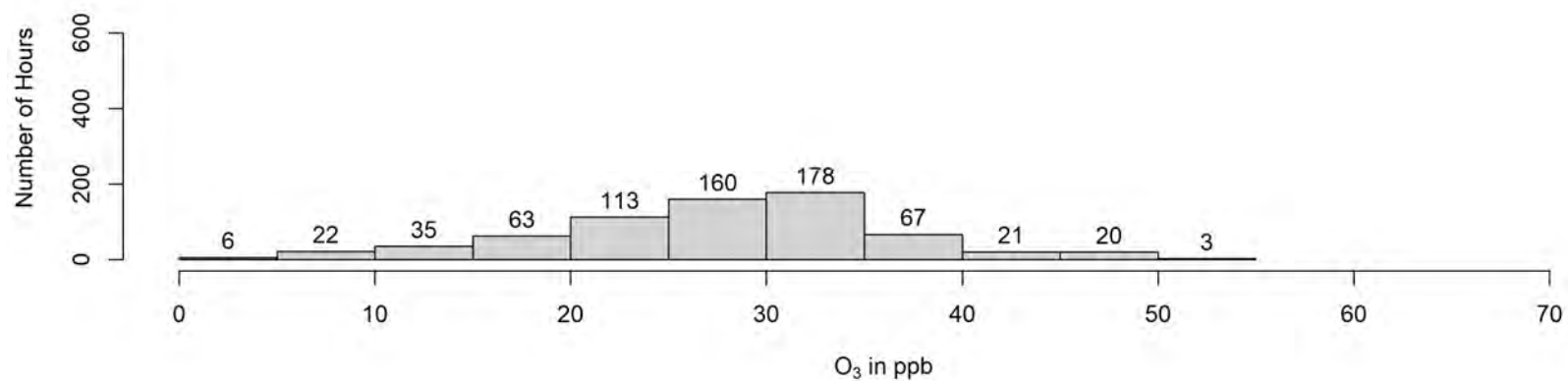
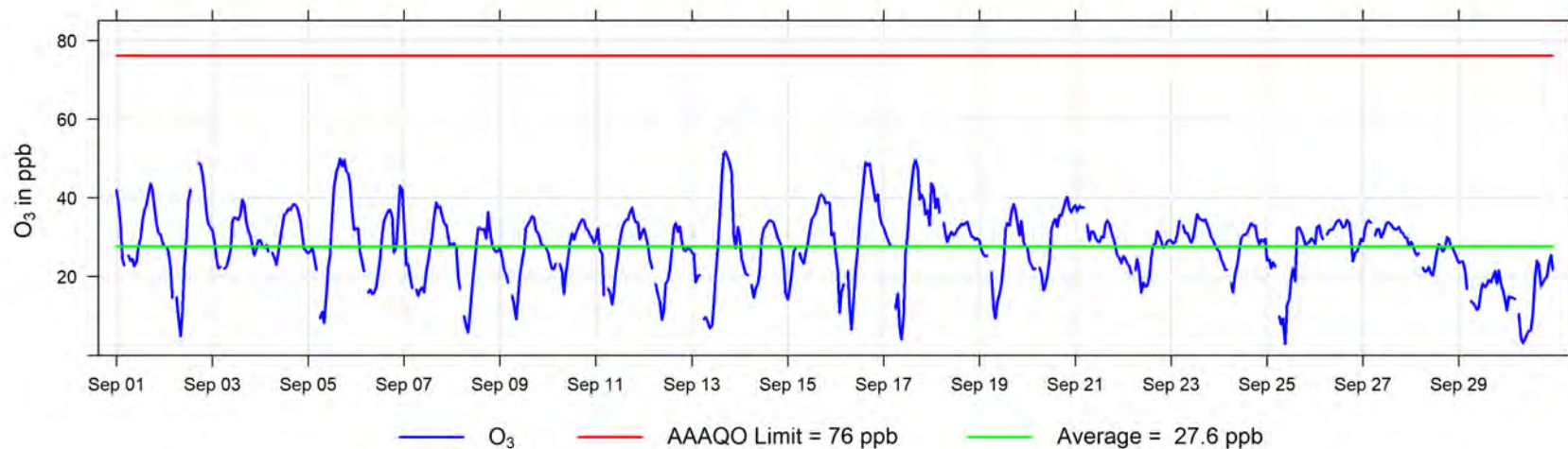
September 2025 Hourly Concentration Readings of NO_x (in ppb) at Beaverlodge



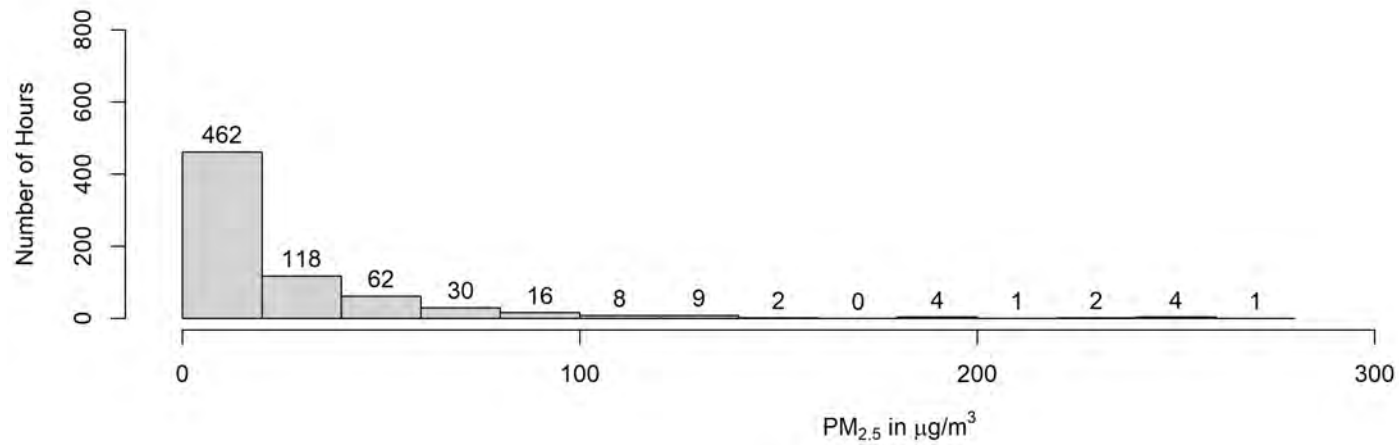
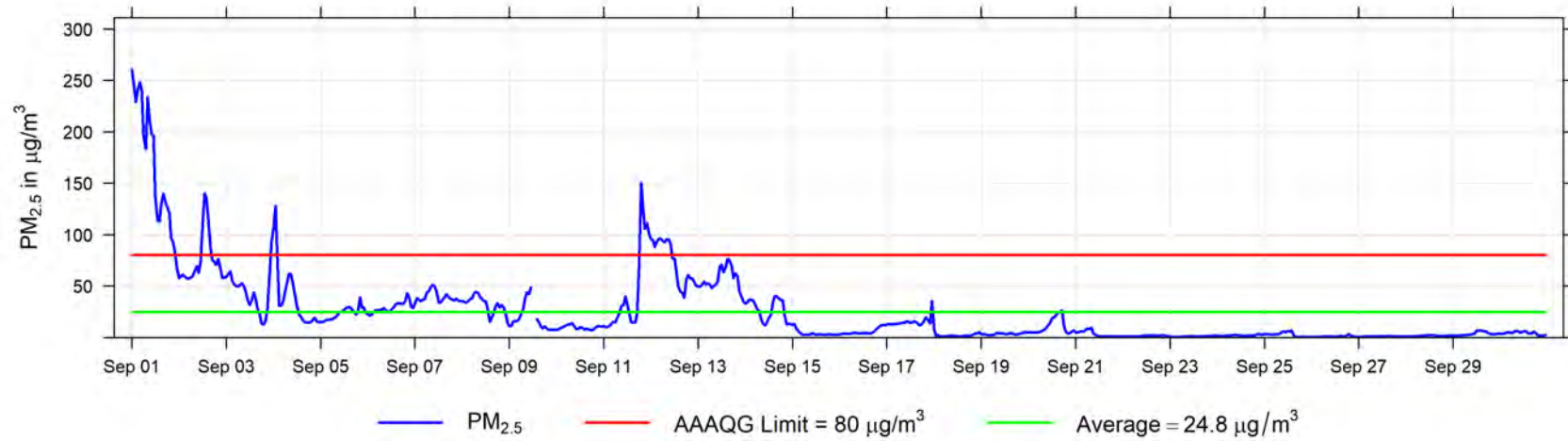
September 2025 Hourly Concentration Readings of NO₂ (in ppb) at Beaverlodge



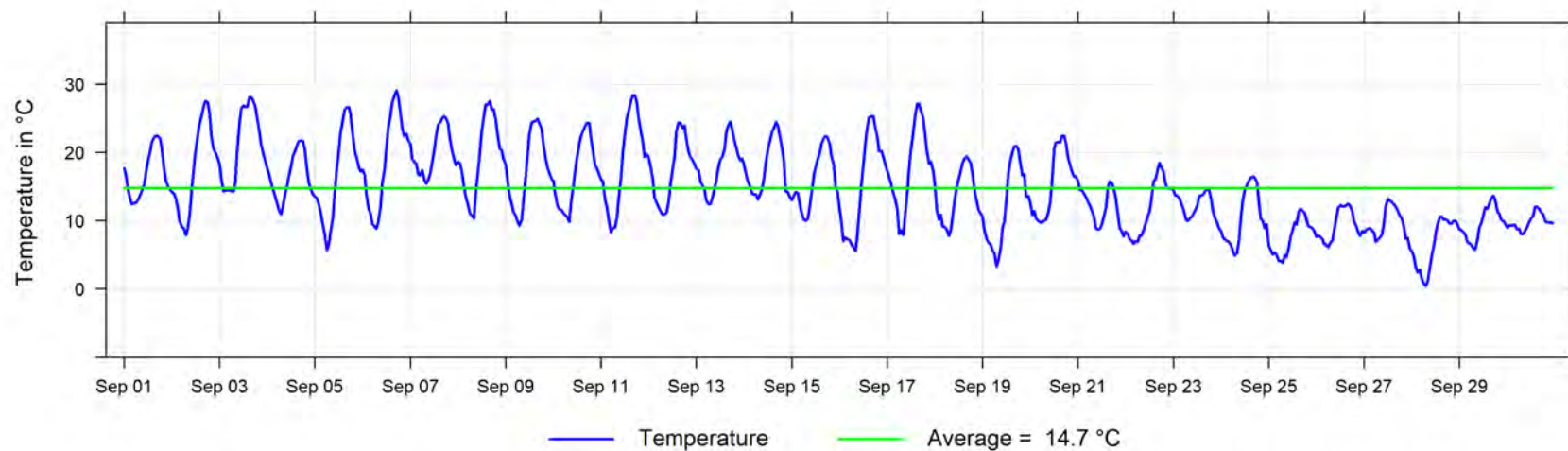
September 2025 Hourly Concentration Readings of O₃ (in ppb) at Beaverlodge



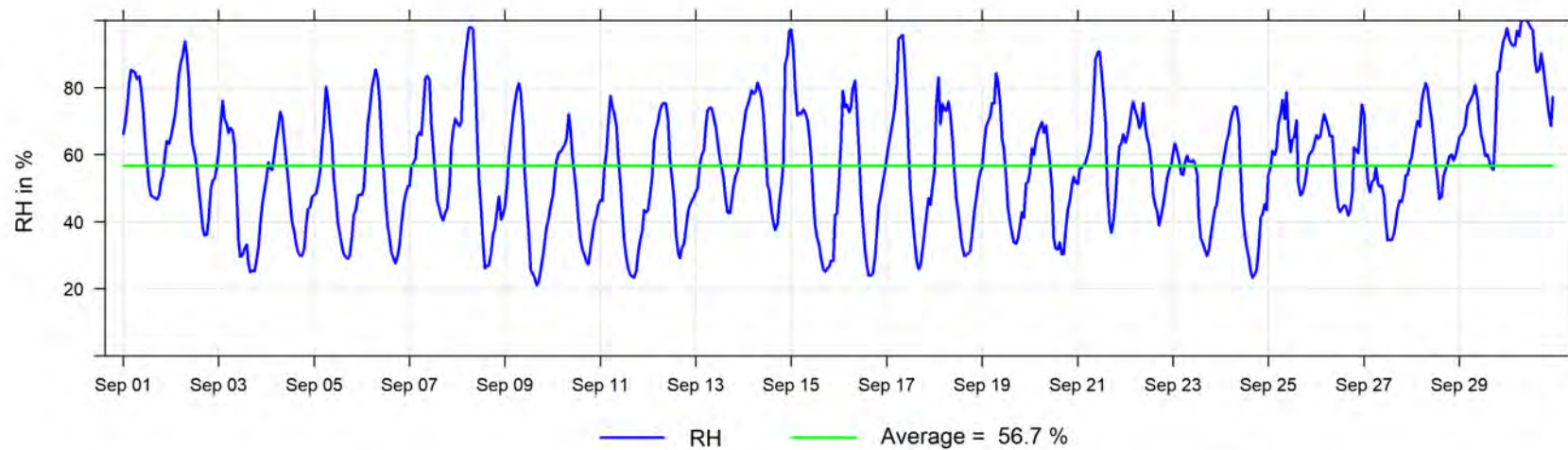
September 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Beaverlodge



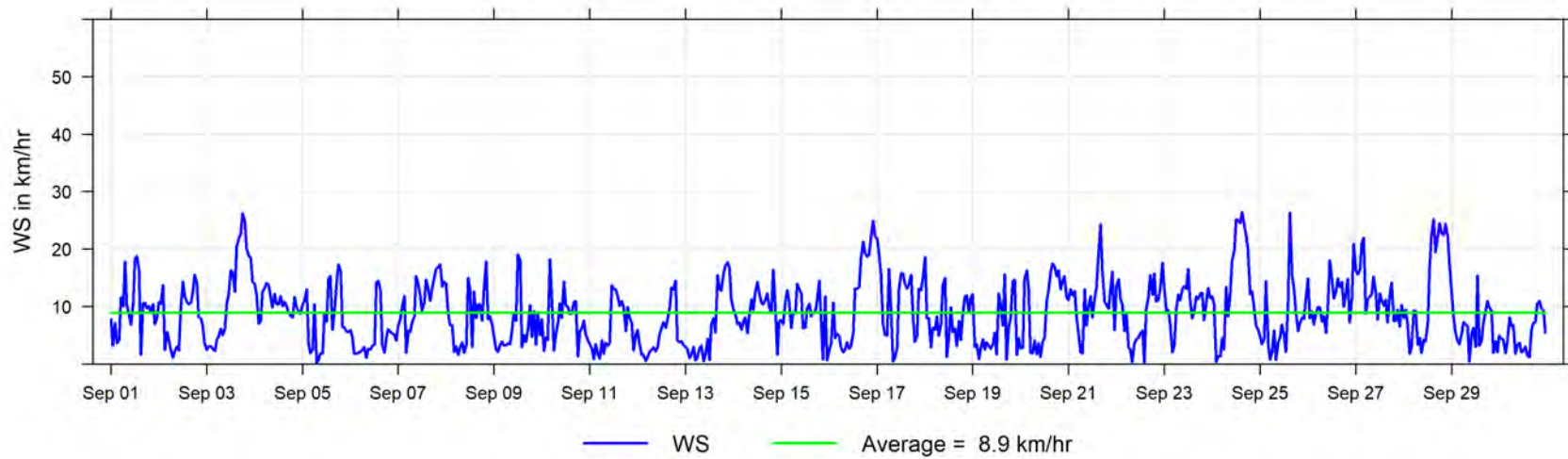
September 2025 Hourly Temperature Readings (in °C) at Beaverlodge



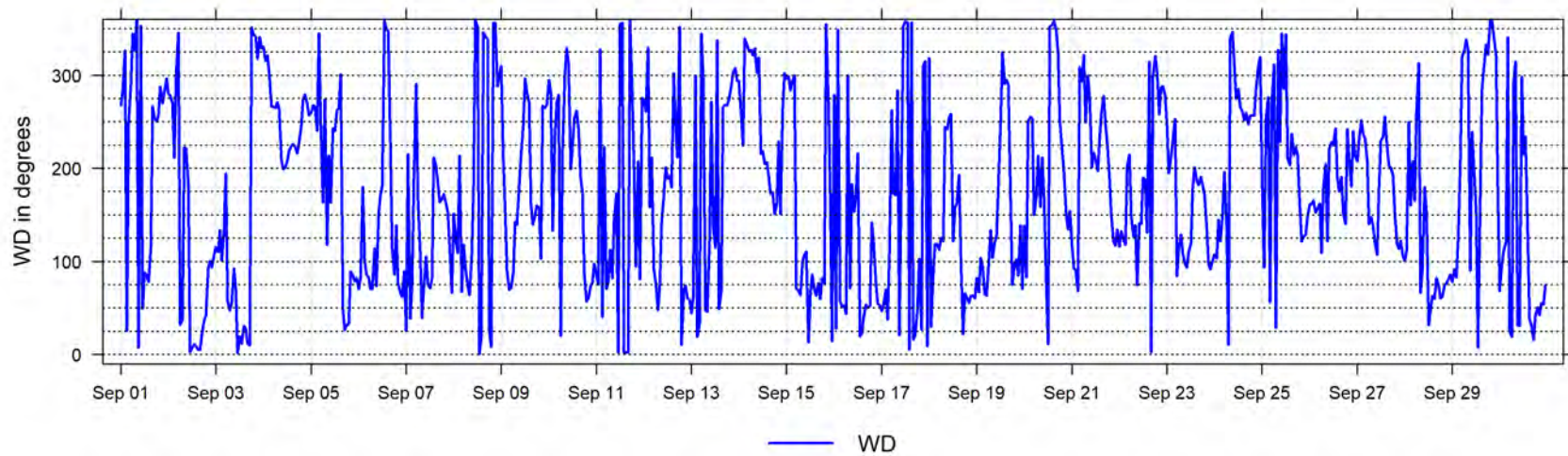
September 2025 Hourly Readings of Relative Humidity (in %) at Beaverlodge



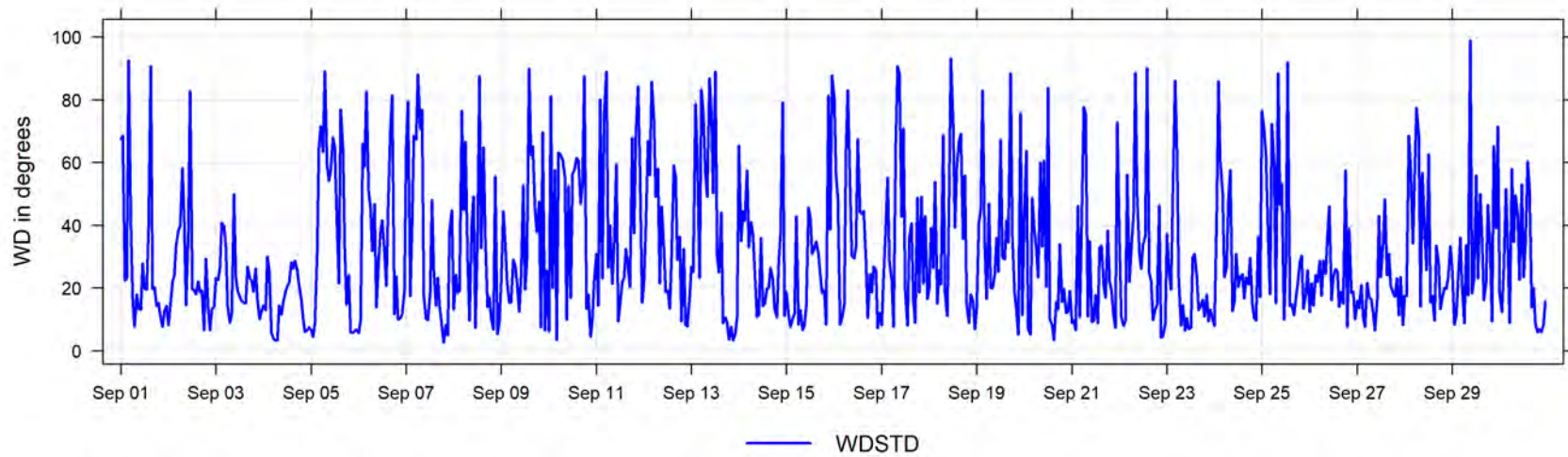
September 2025 Hourly Readings of Wind Speed (in km/hr) at Beaverlodge

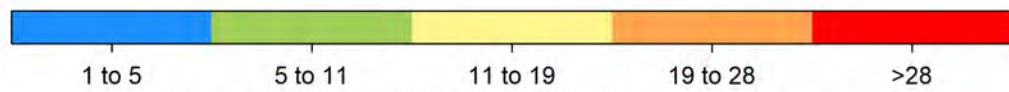
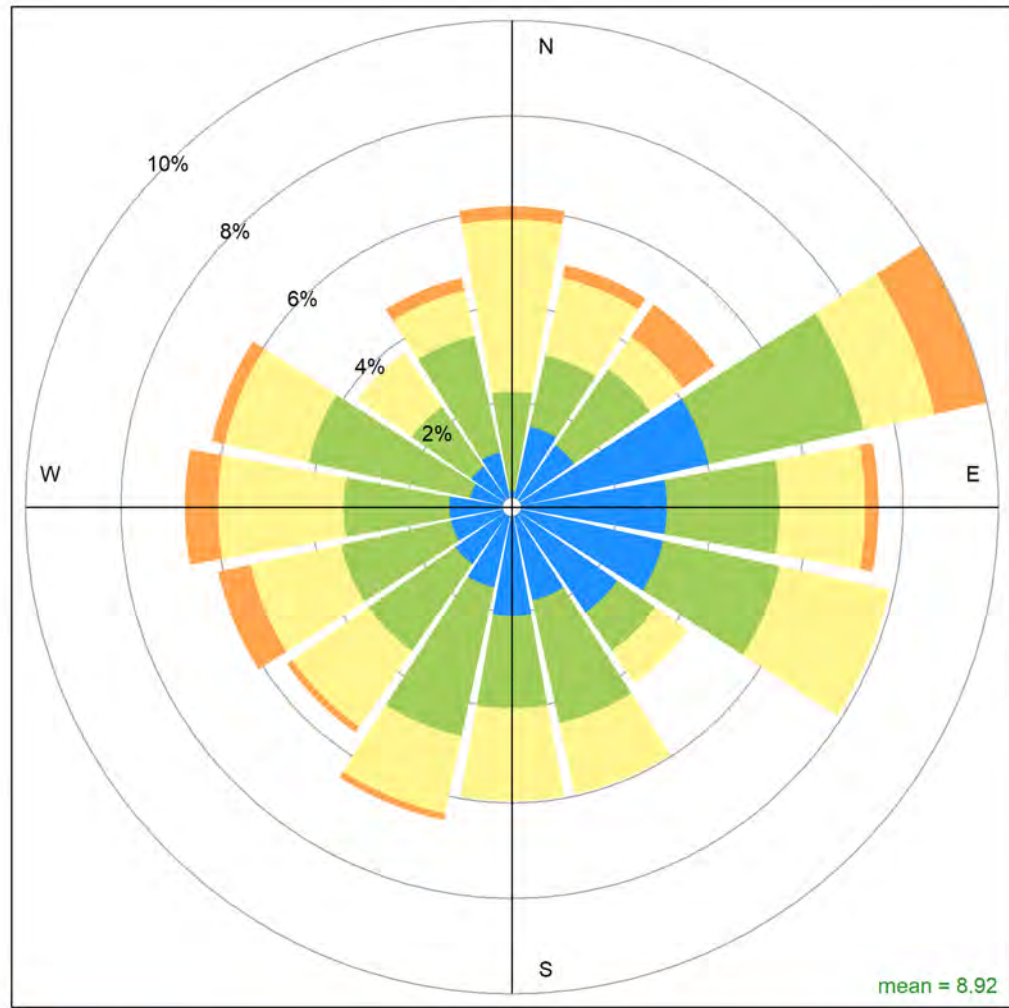


September 2025 Hourly Readings of Wind Direction (in degrees) at Beaverlodge



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



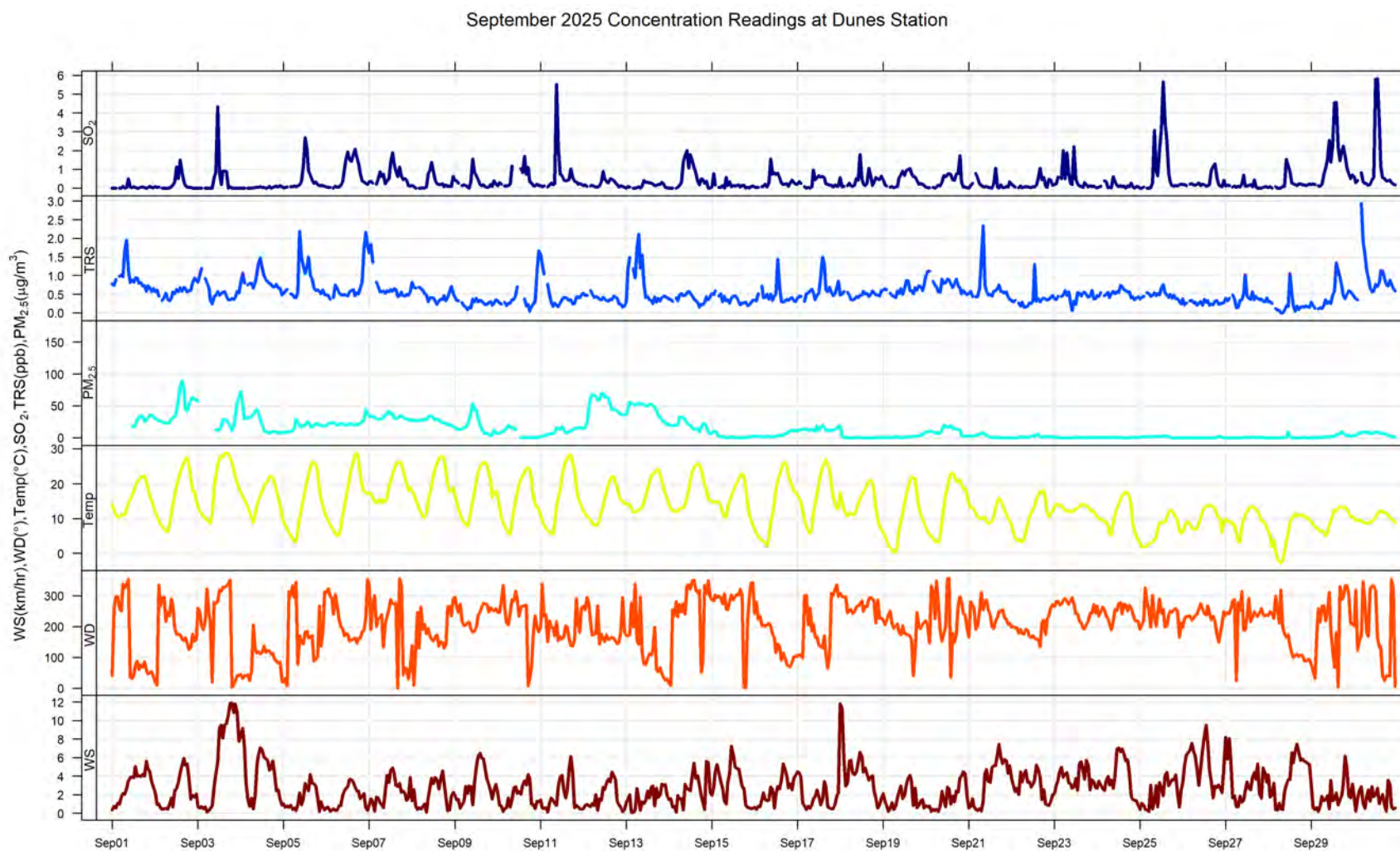


Beaverlodge September 2025 Wind Rose, wind speed in km/hr

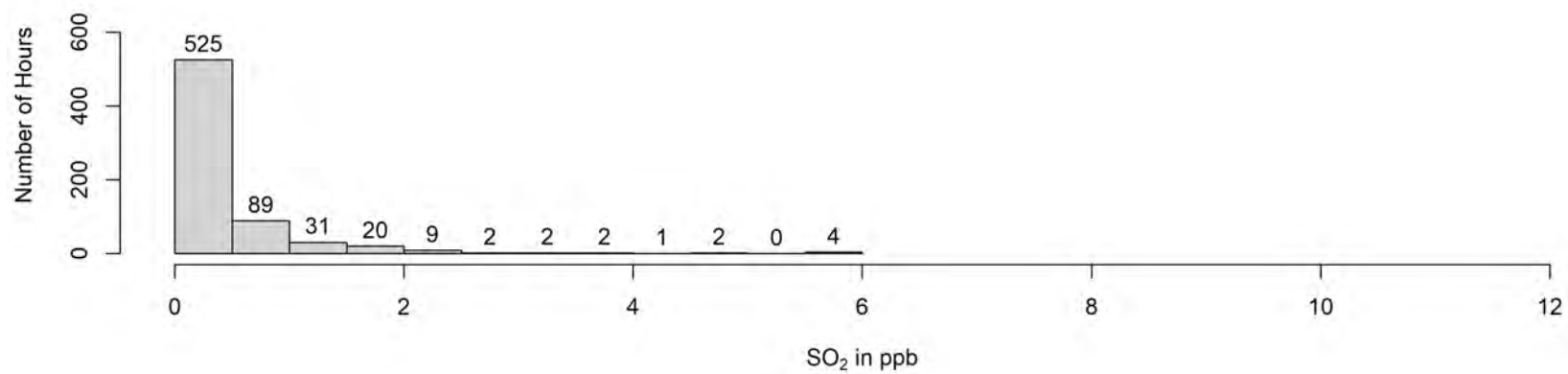
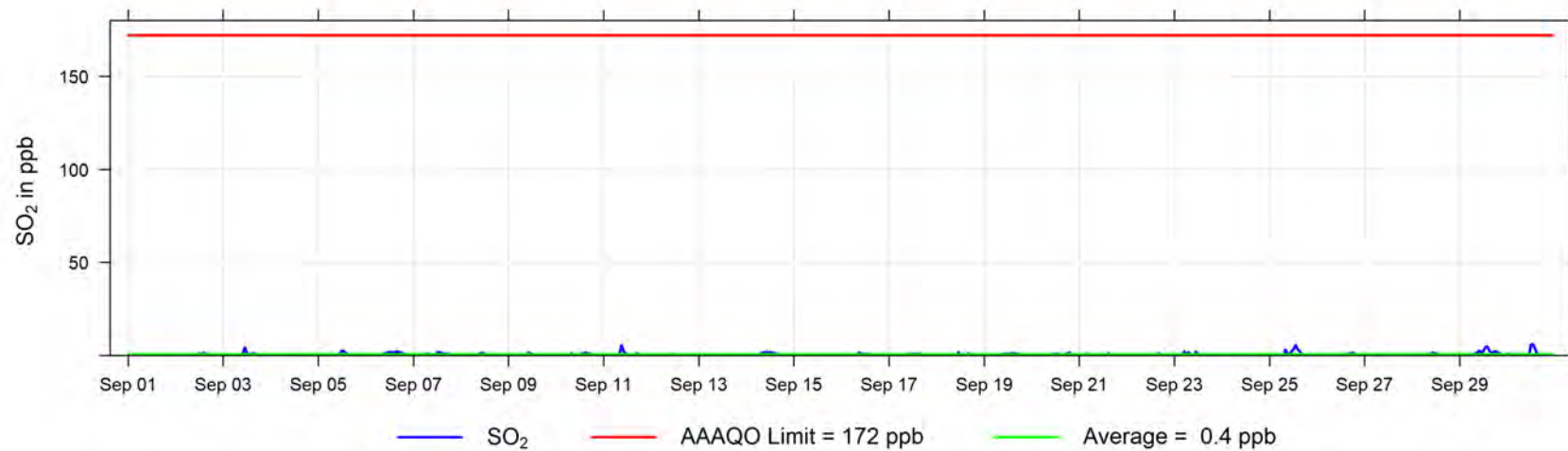
Calms (<1km/hr) = 2.8 %

3 Dunes Charts

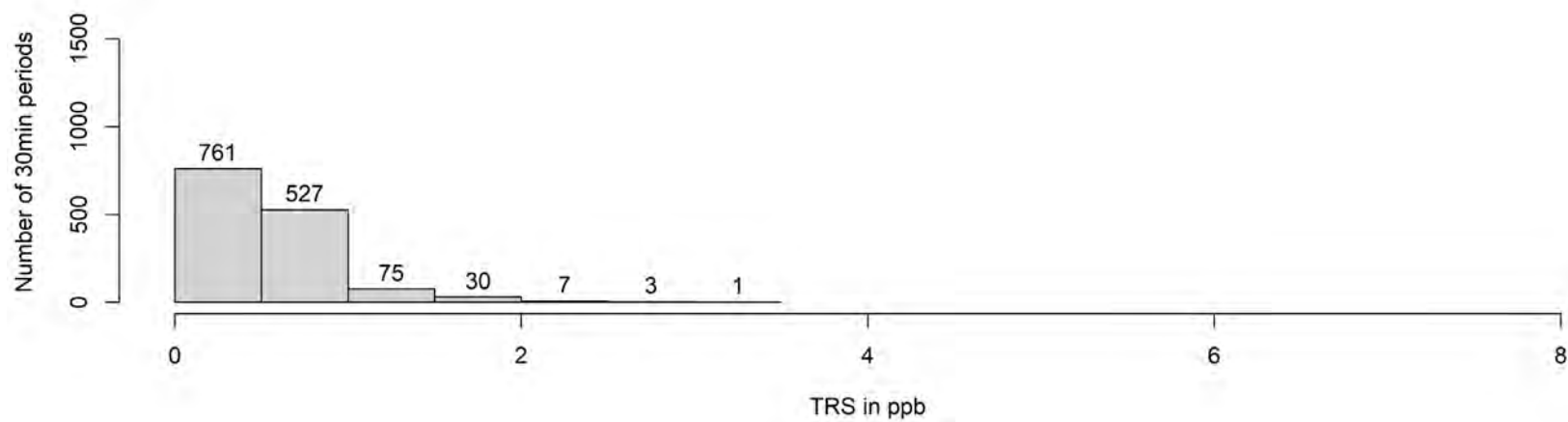
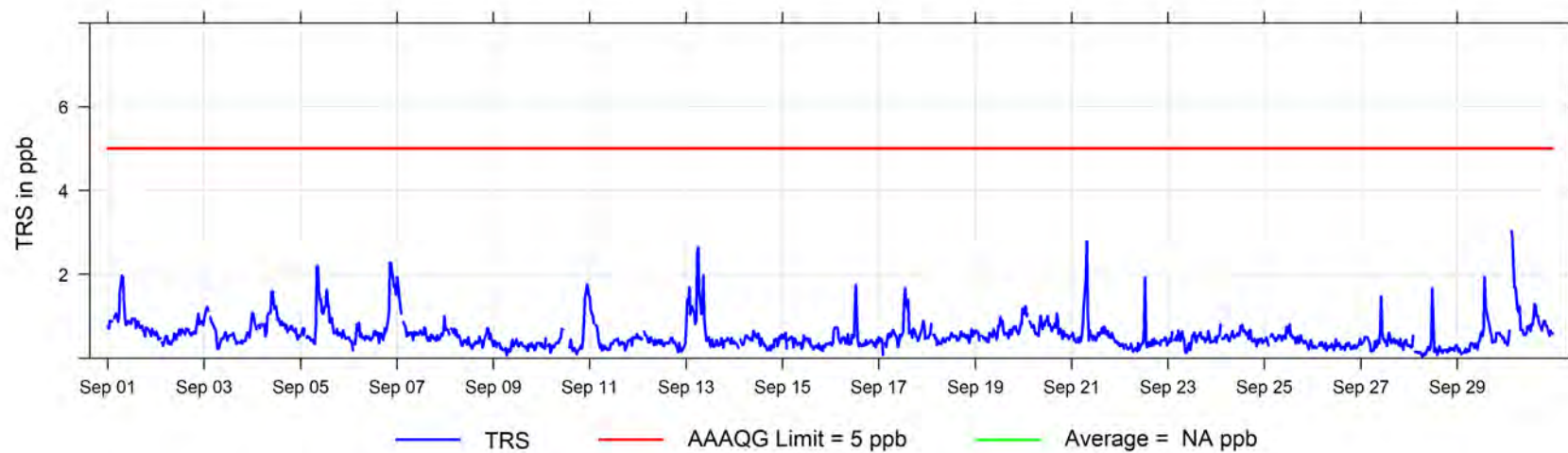
The following pages include the charts and histograms for Dunes Station



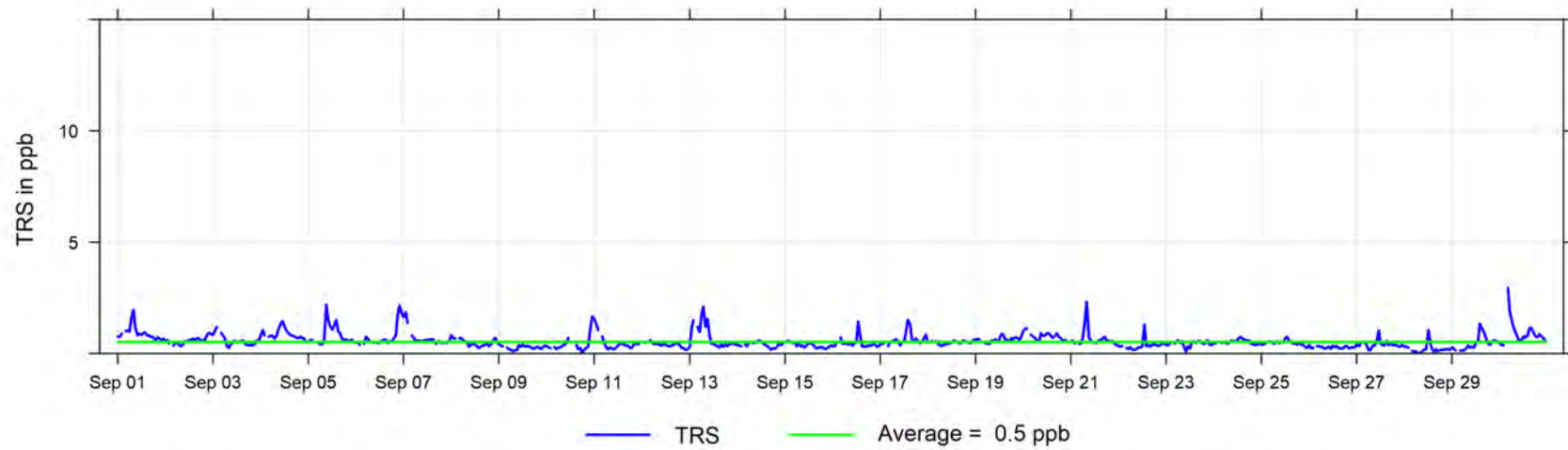
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Dunes



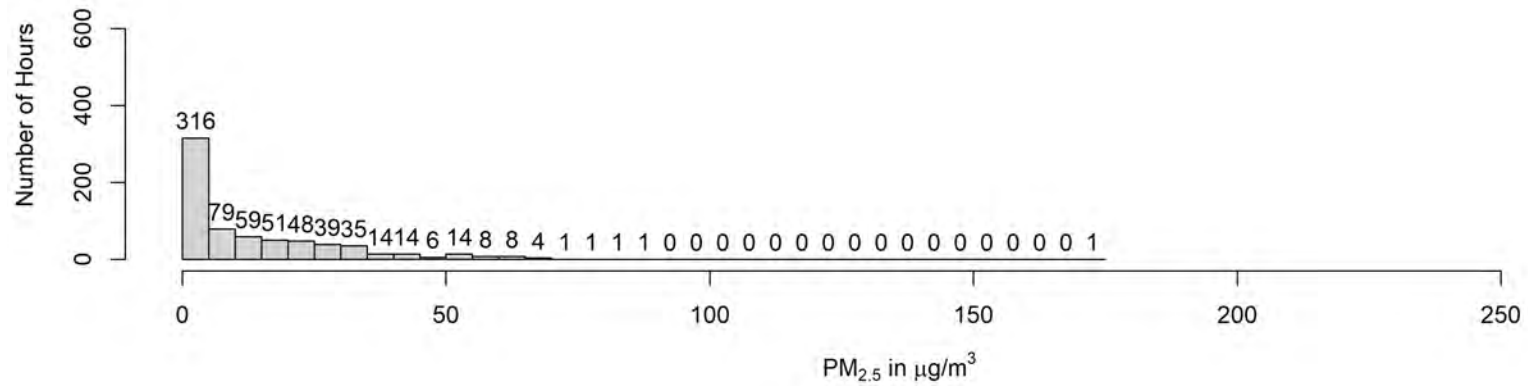
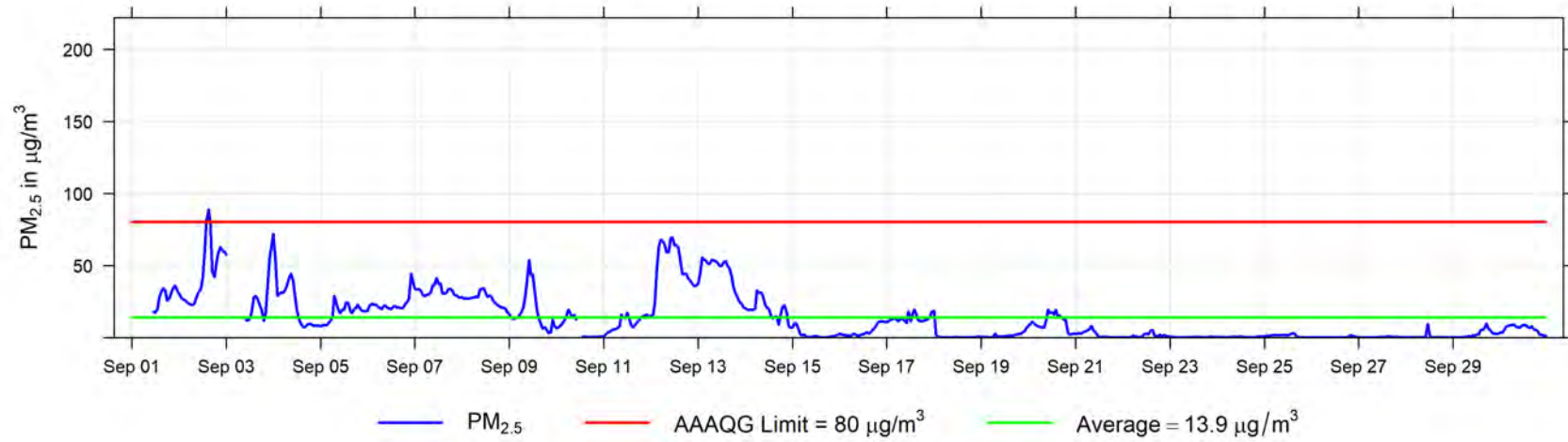
September 2025 30 min Concentration Readings of TRS (in ppb) at Dunes



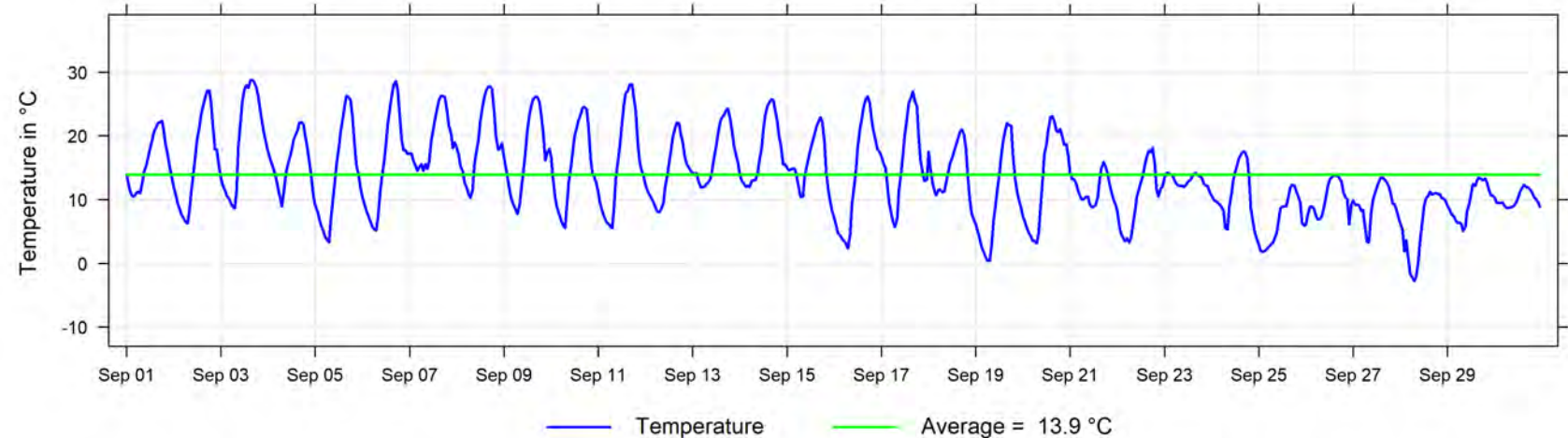
September 2025 Hourly Concentration Readings of TRS (in ppb) at Dunes



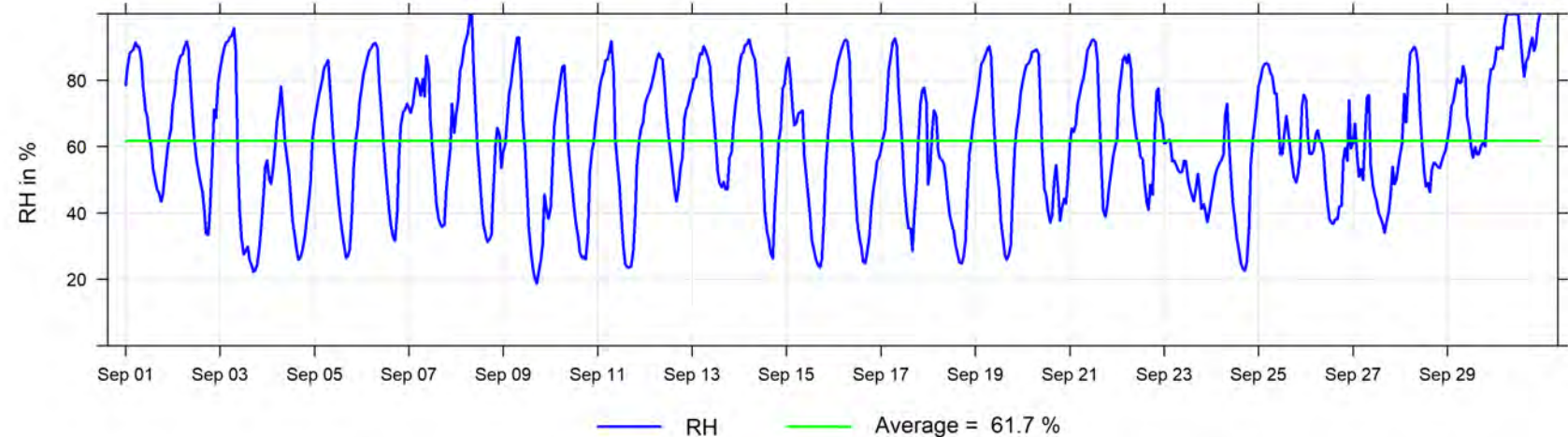
September 2025 Hourly Concentration Readings of PM_{2.5} in µg/m³ at Dunes



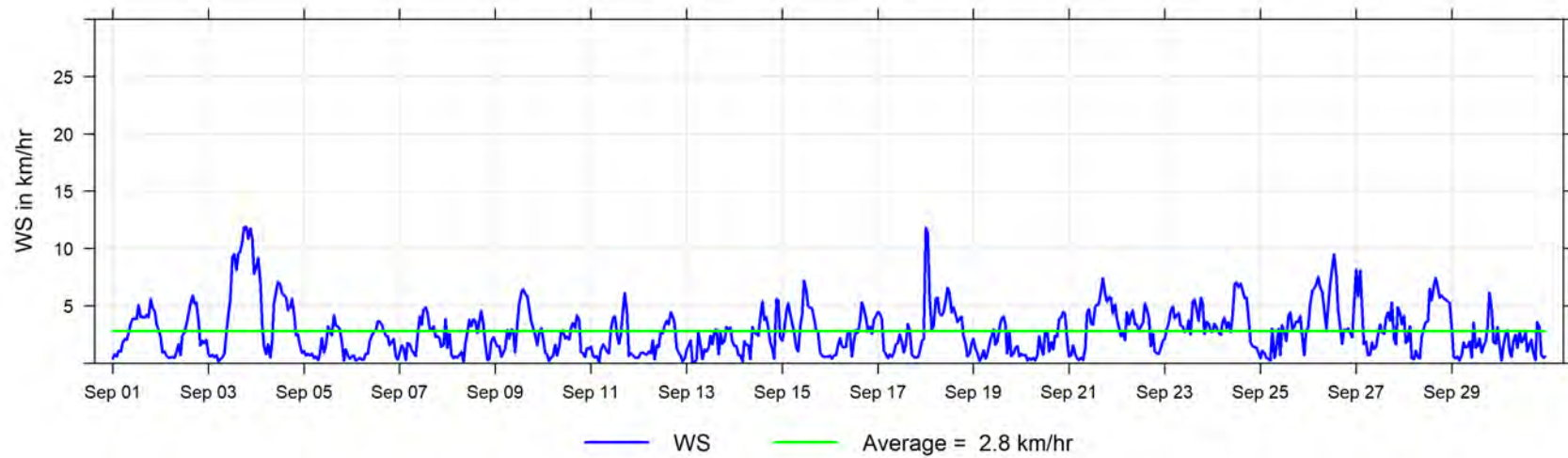
September 2025 Hourly Temperature Readings (in °C) at Dunes



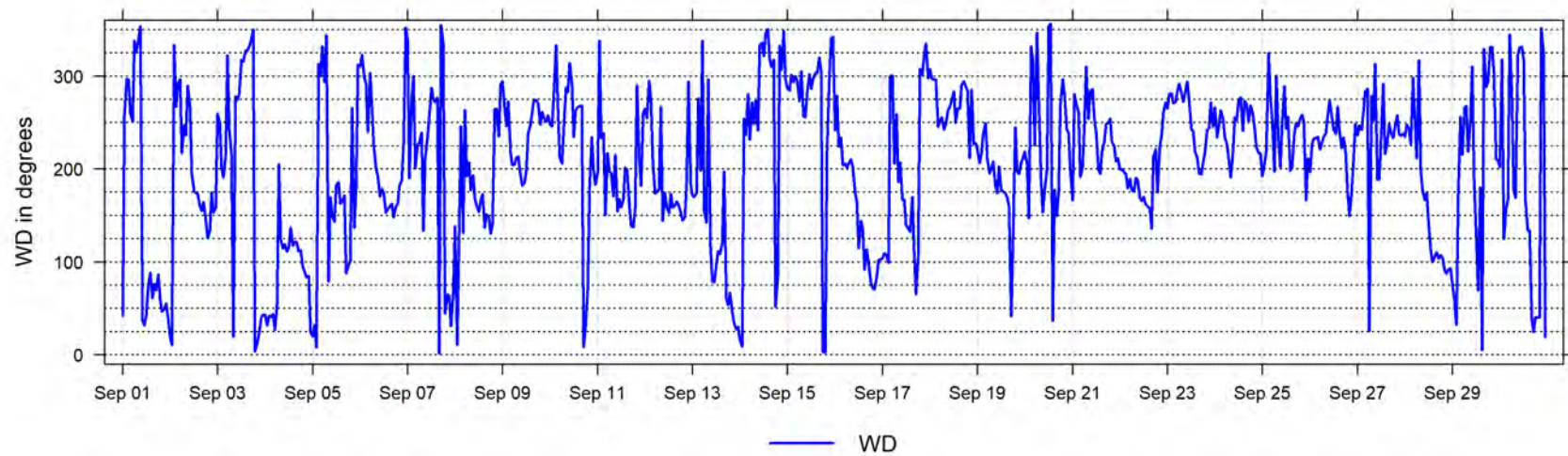
September 2025 Hourly Readings of Relative Humidity (in %) at Dunes



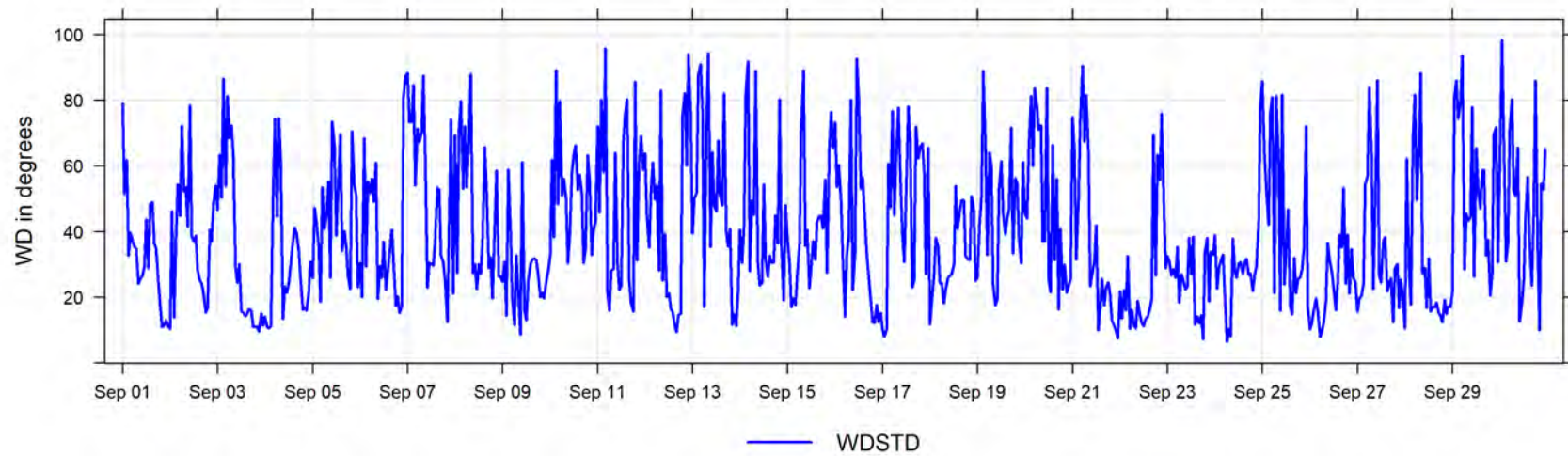
September 2025 Hourly Readings of Wind Speed (in km/hr) at Dunes

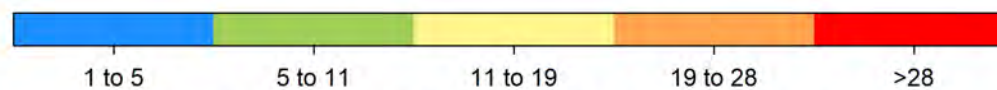
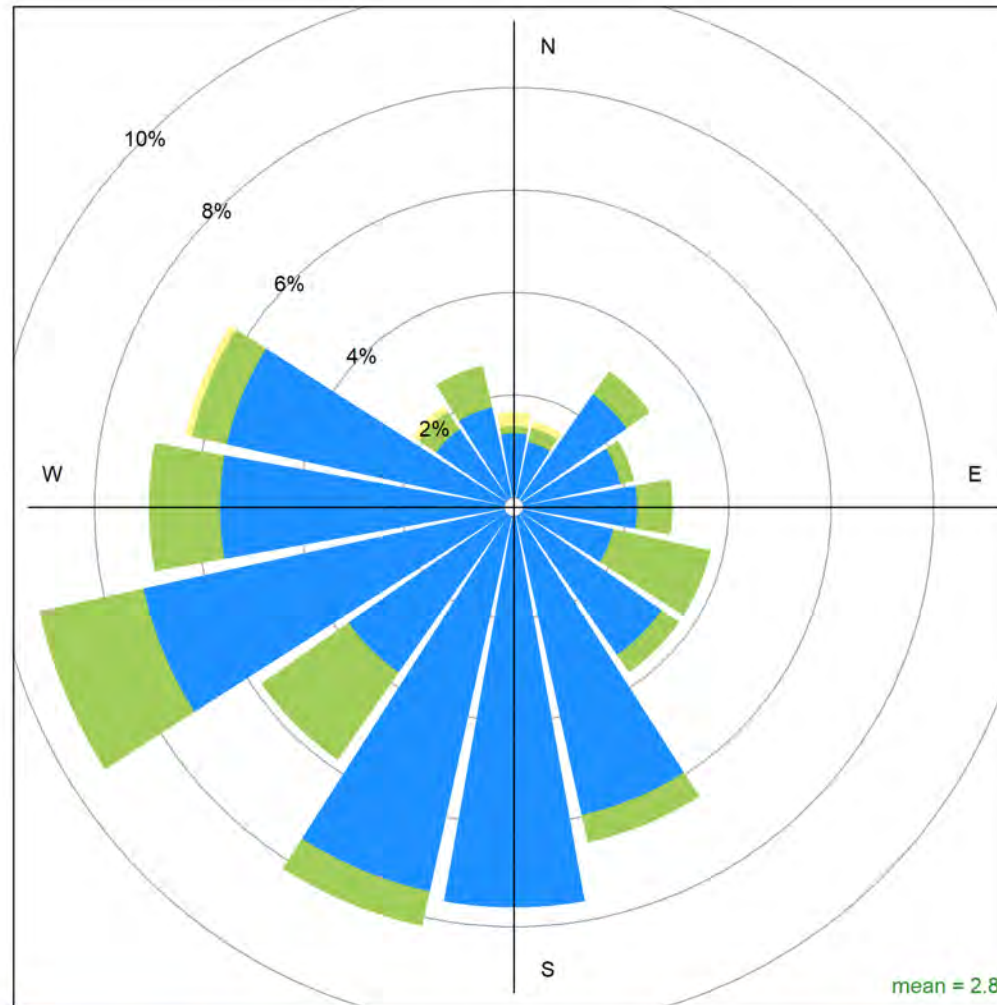


September 2025 Hourly Readings of Wind Direction (in degrees) at Dunes



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





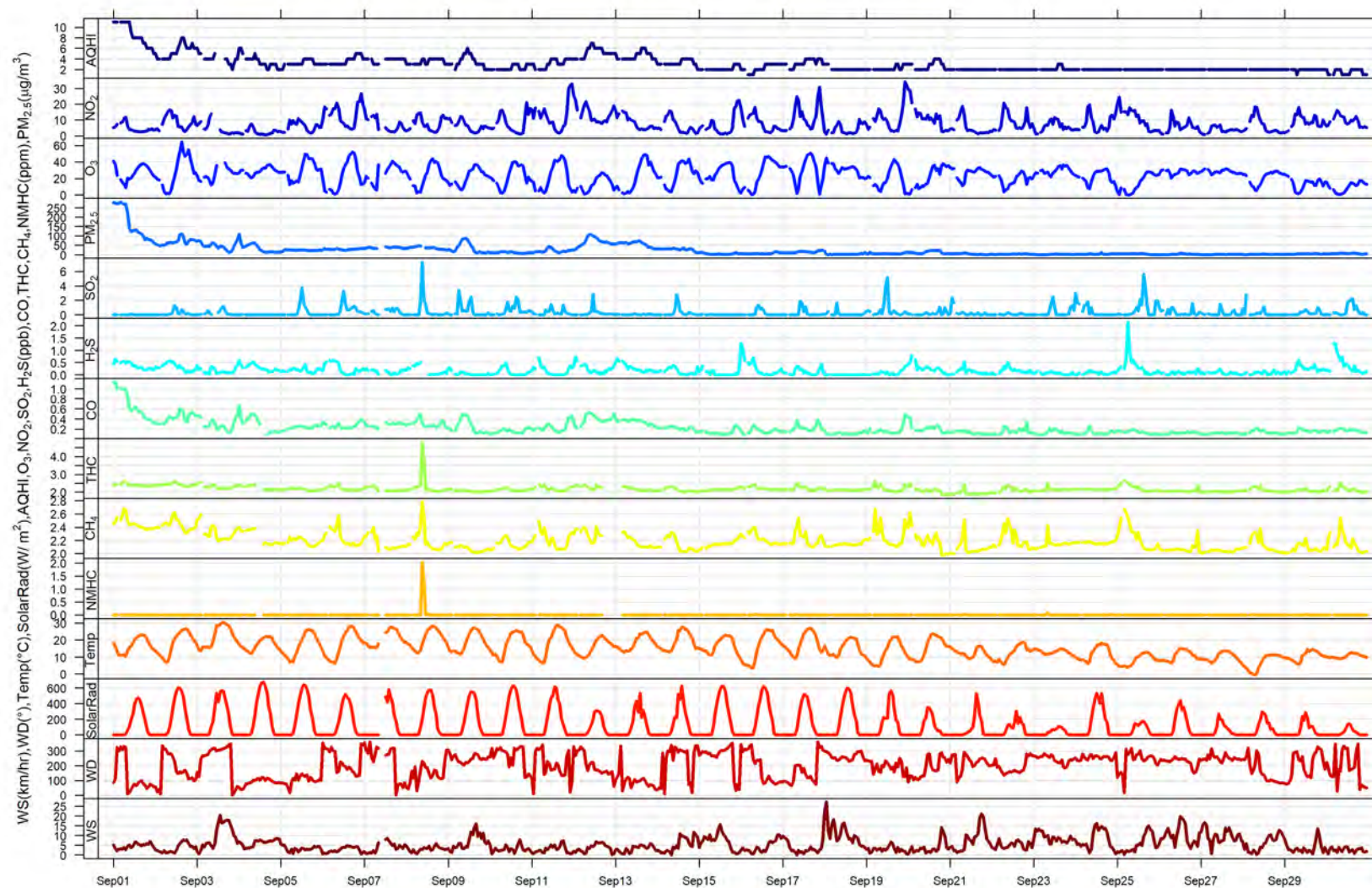
Dunes September 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 25.4 %

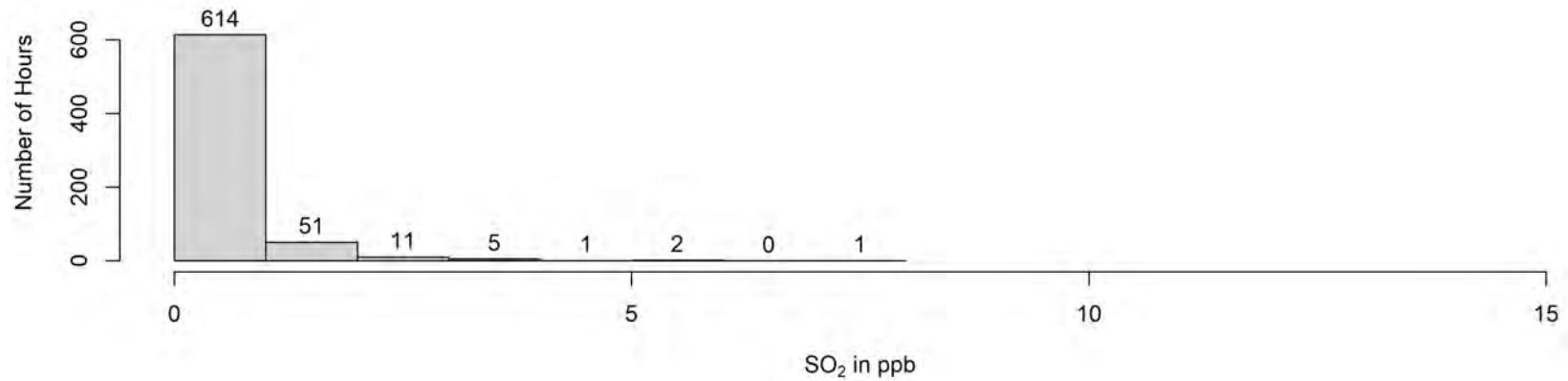
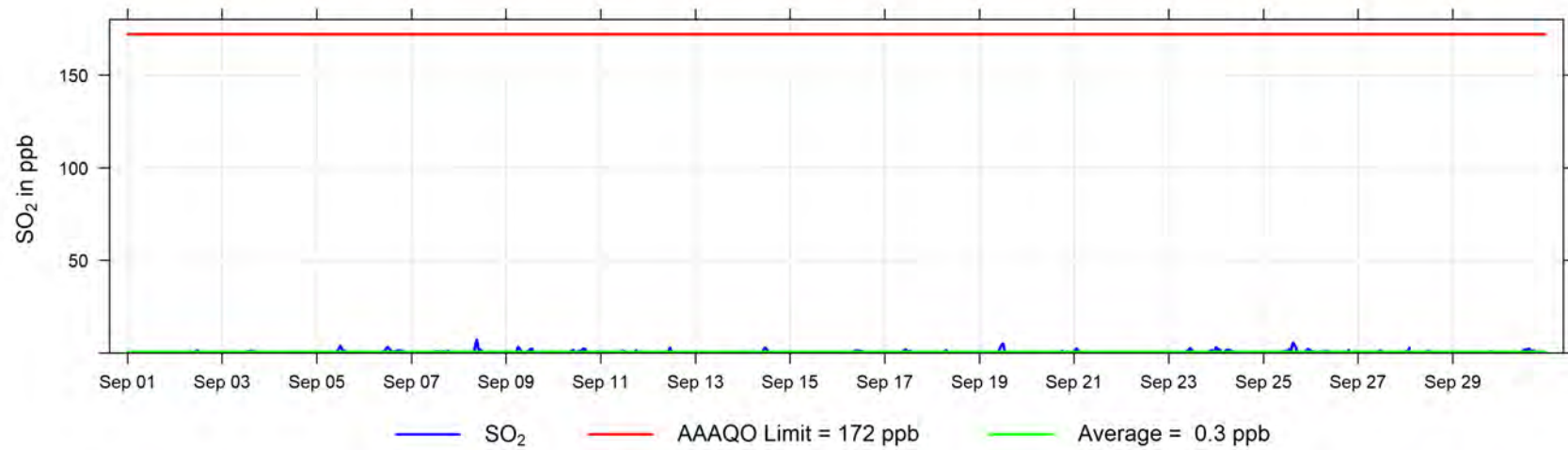
4 Grande Prairie - Henry Pirker Charts

The following pages include the charts and histograms for Henry Pirker Station in Grande Prairie

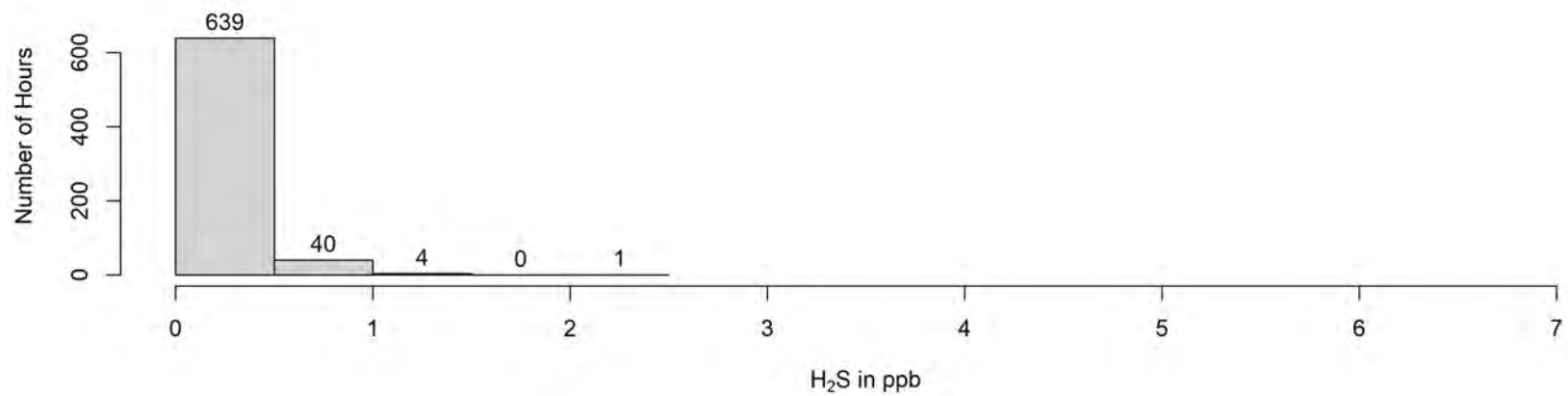
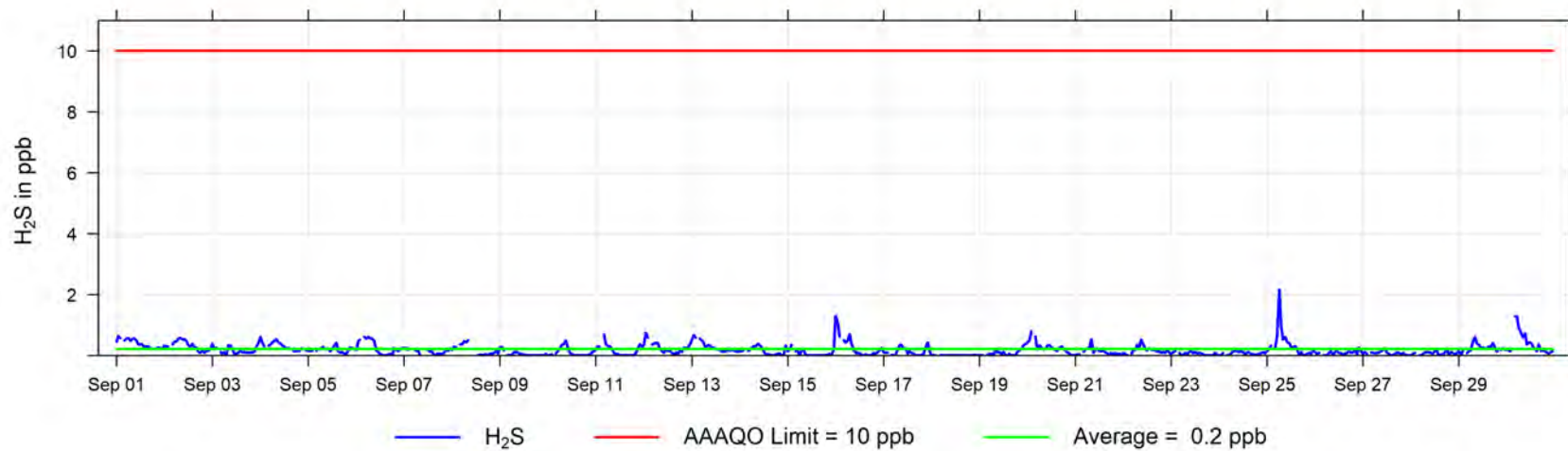
September 2025 Concentration Readings at Henry Pirker Station



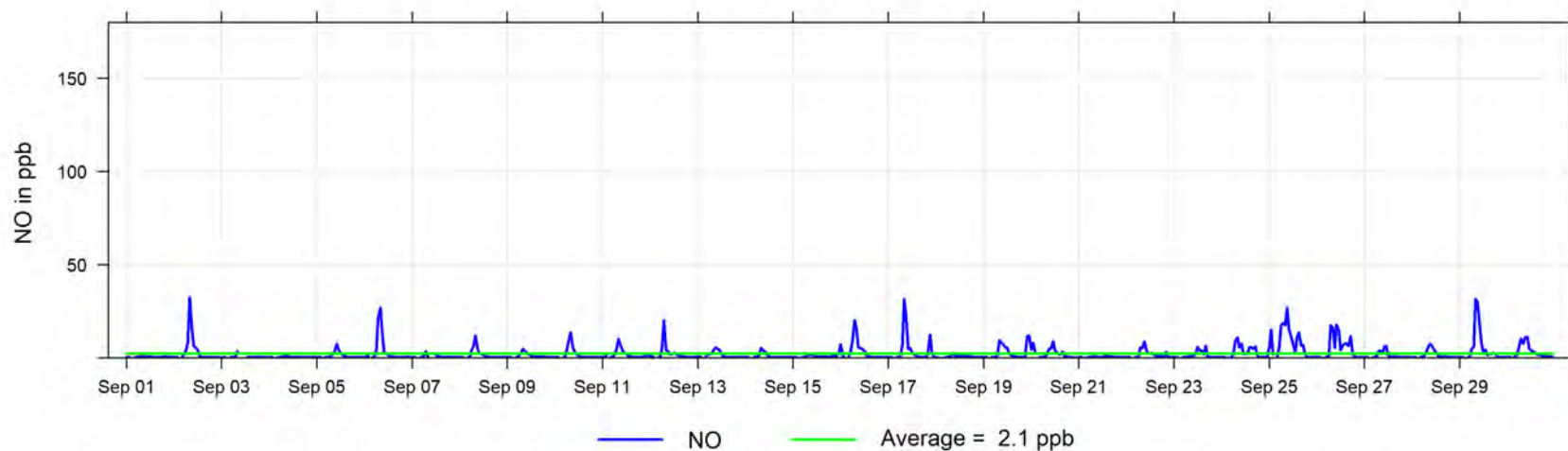
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Henry Pirker



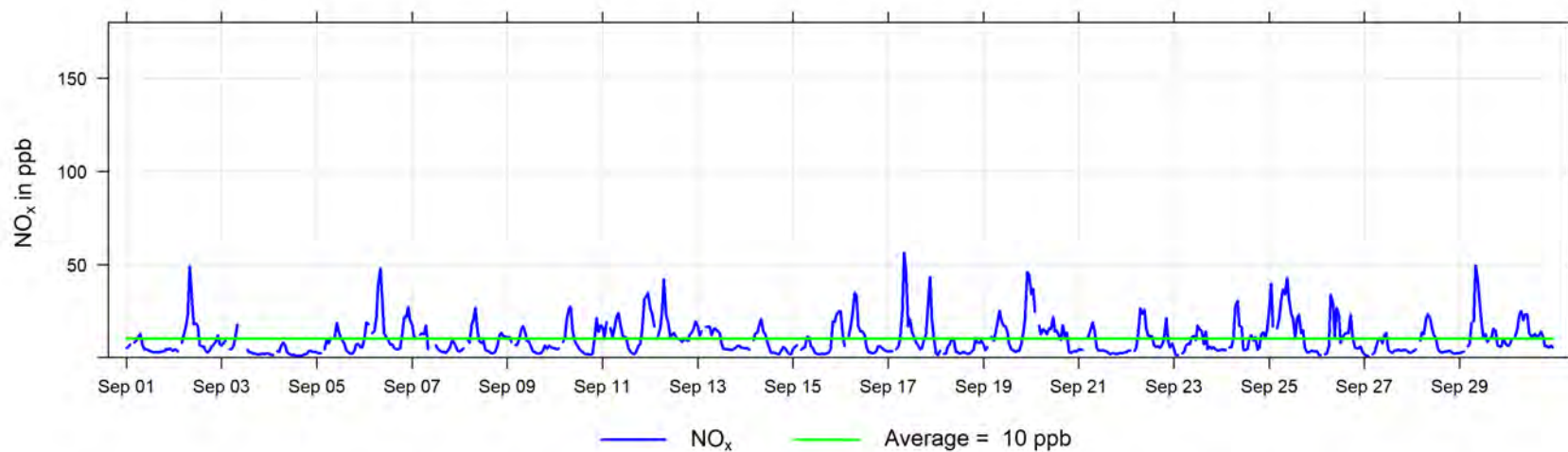
September 2025 Hourly Concentration Readings of H₂S (in ppb) at Henry Pirker



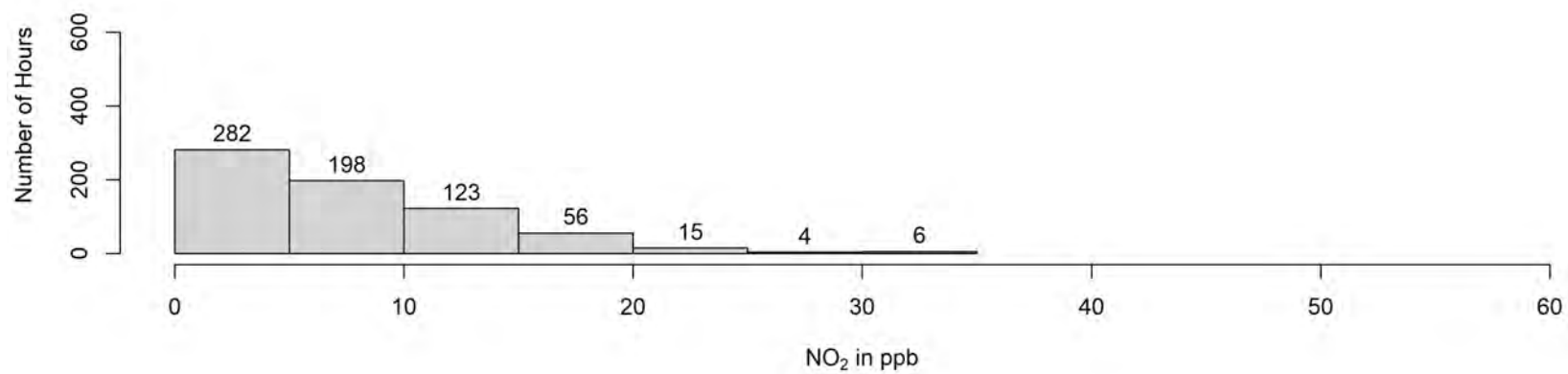
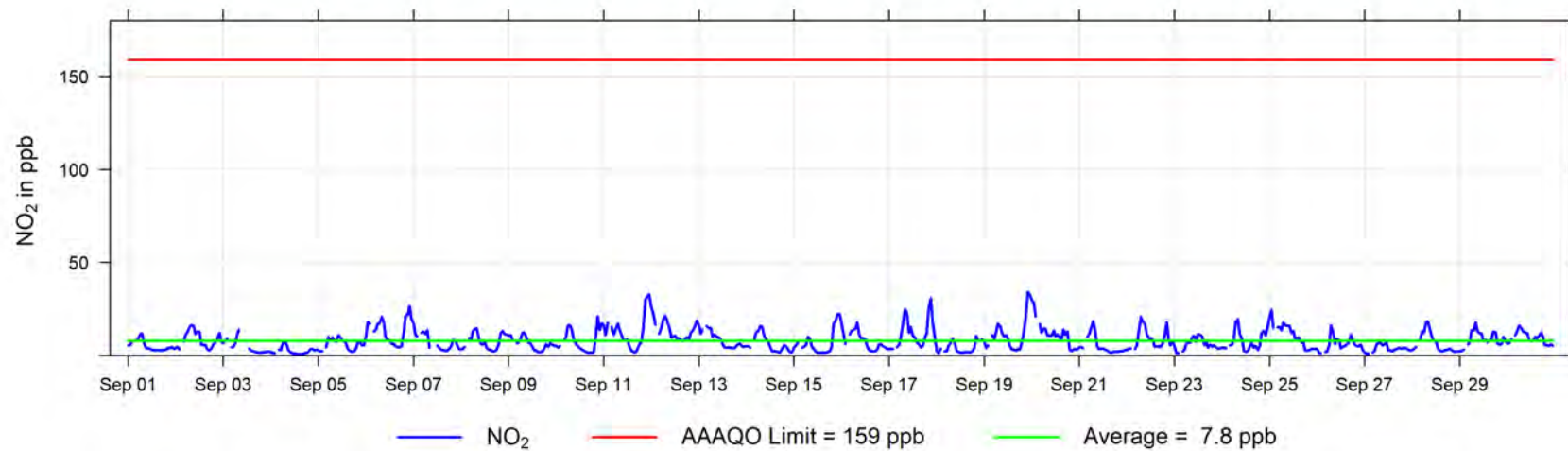
September 2025 Hourly Concentration Readings of NO (in ppb) at Henry Pirker



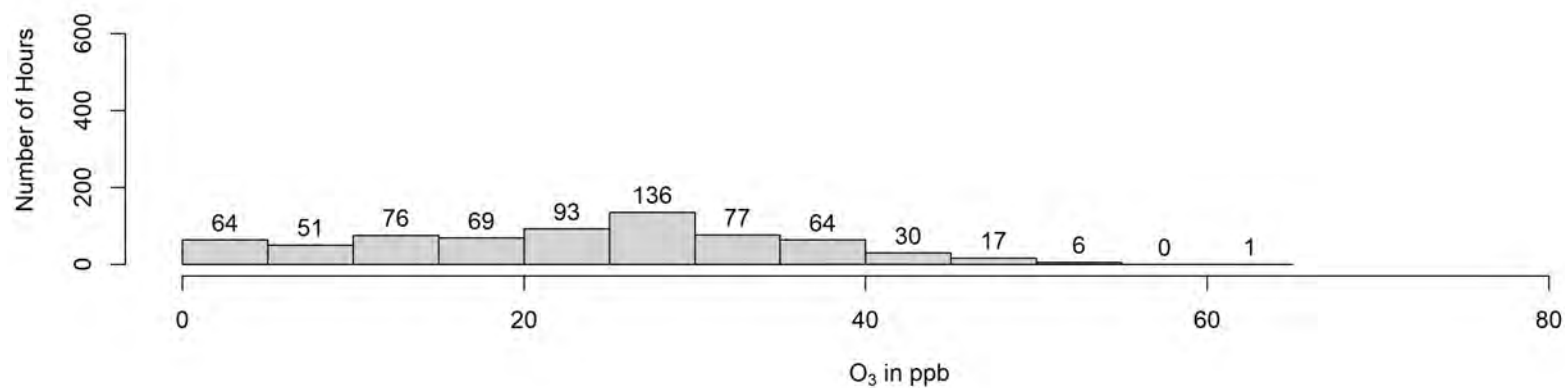
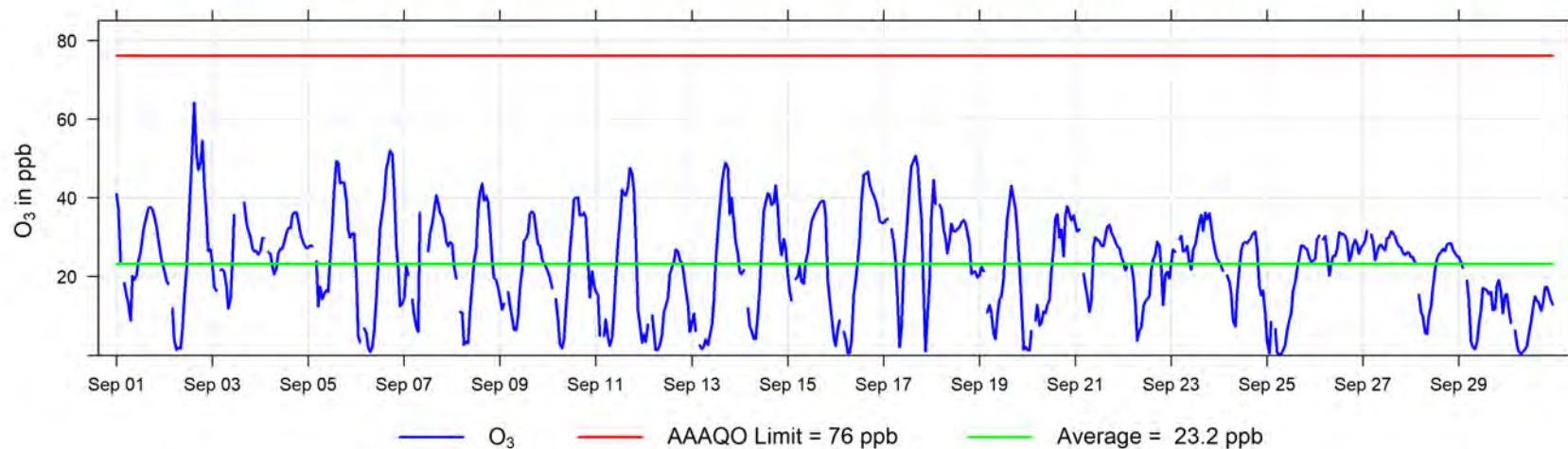
September 2025 Hourly Concentration Readings of NO_x (in ppb) at Henry Pirker



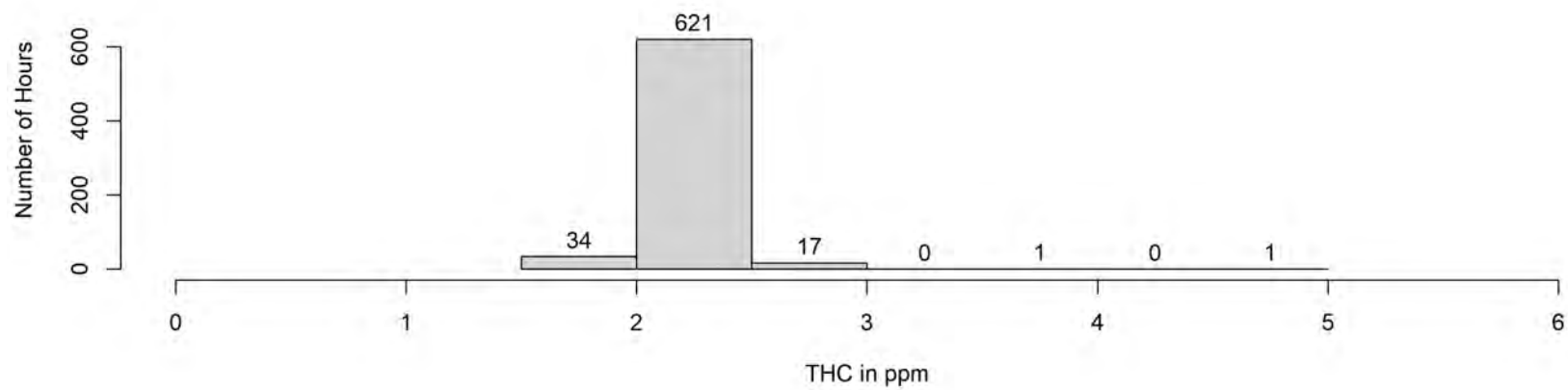
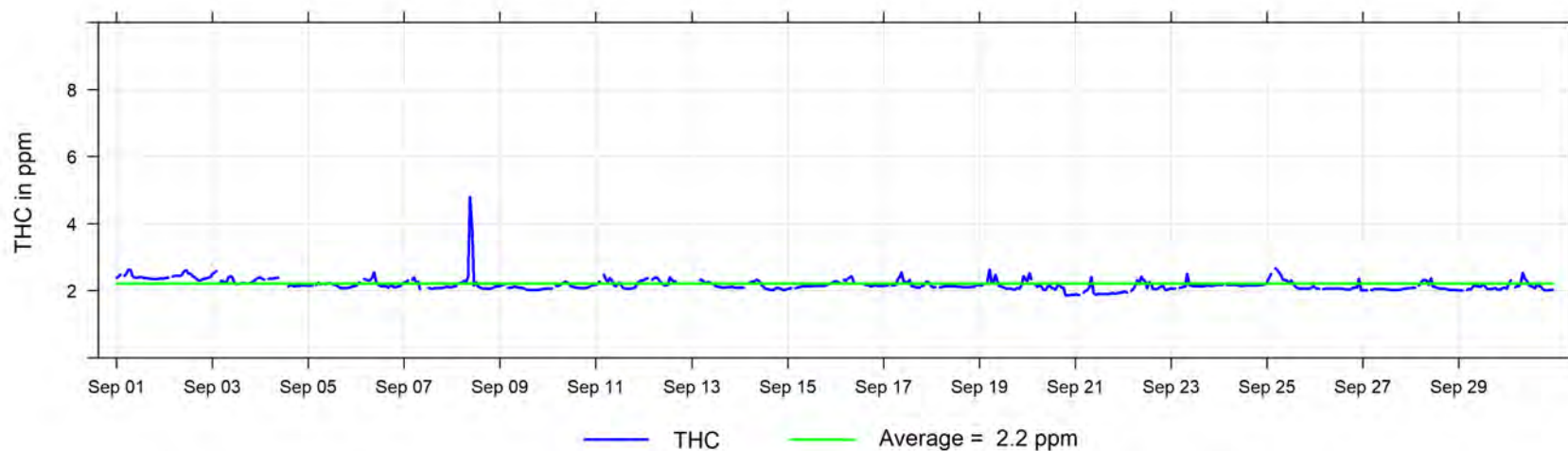
September 2025 Hourly Concentration Readings of NO₂ (in ppb) at Henry Pirker



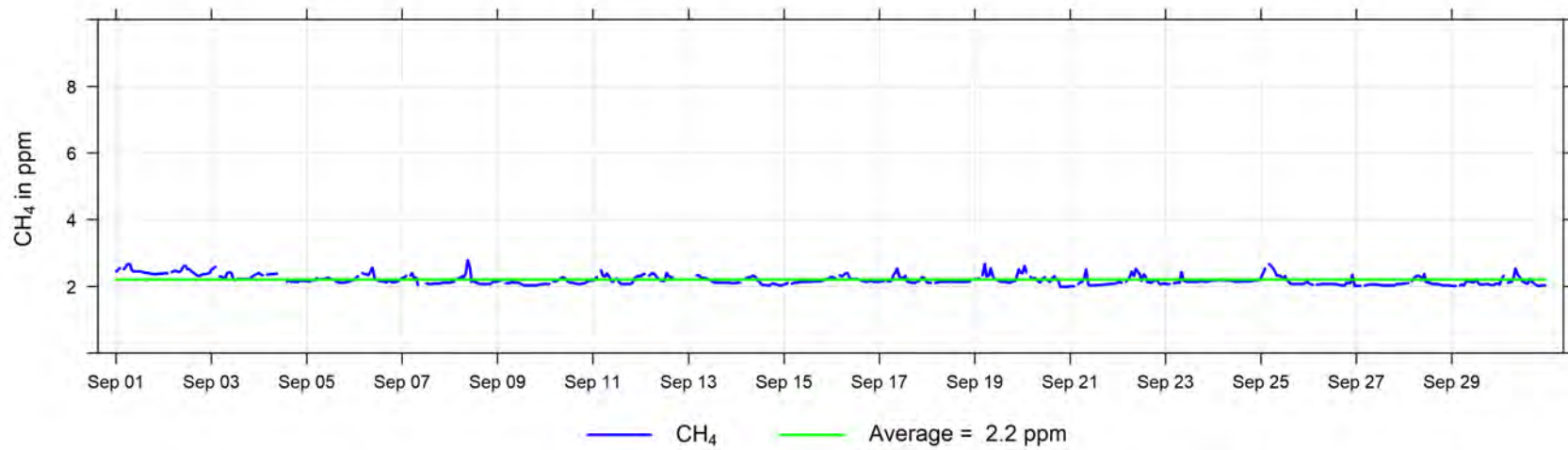
September 2025 Hourly Concentration Readings of O₃ (in ppb) at Henry Pirker



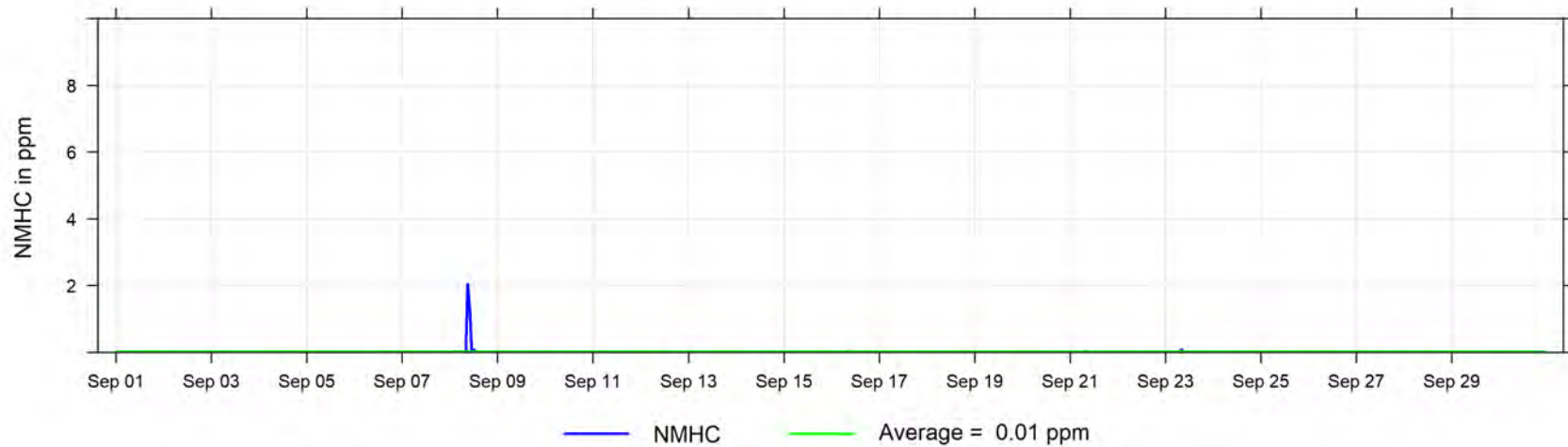
September 2025 Hourly Concentration Readings of THC (in ppm) at Henry Pirker



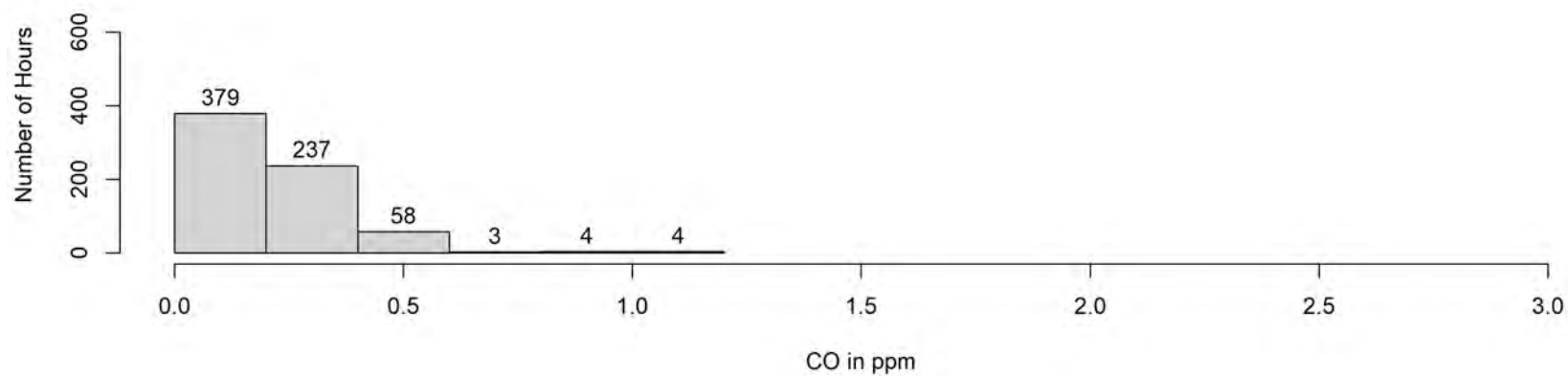
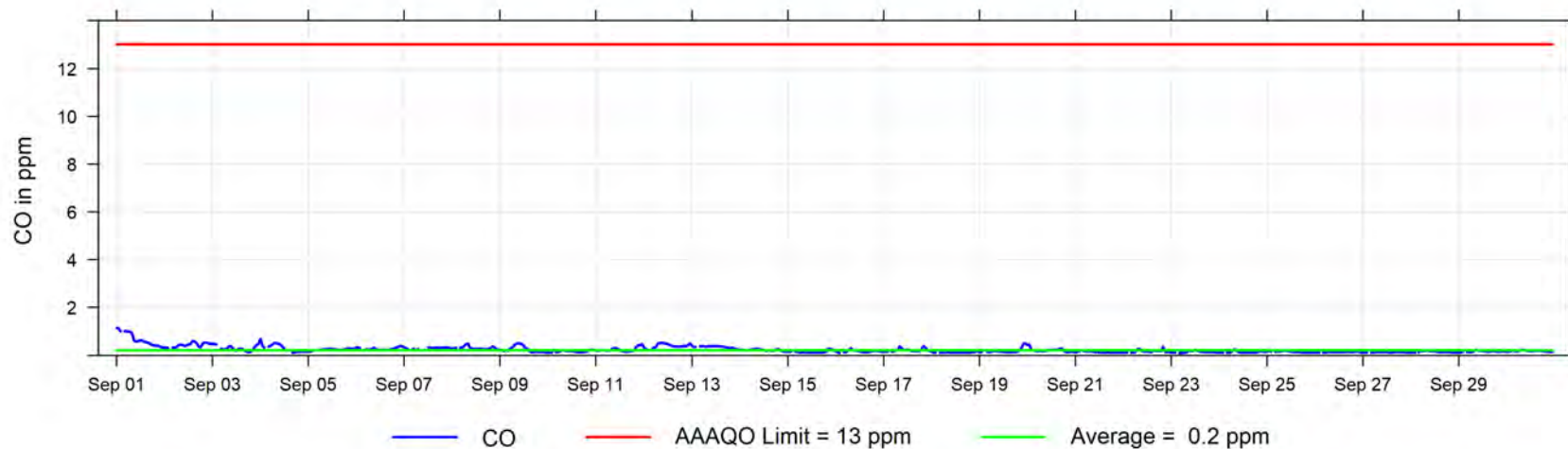
September 2025 Hourly Concentration Readings of CH₄ (in ppm) at Henry Pirker



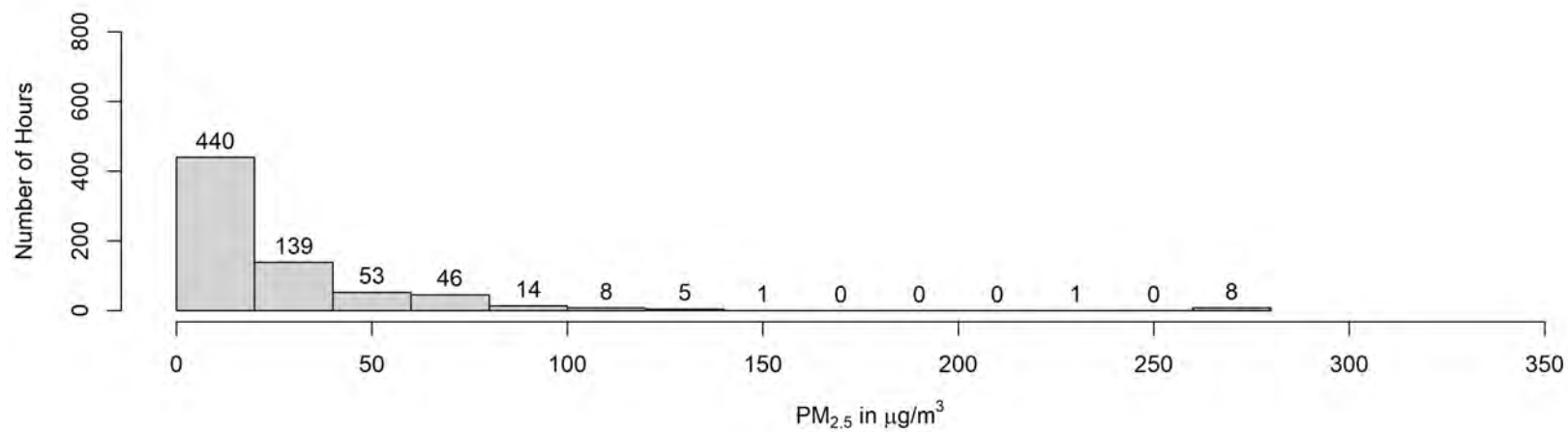
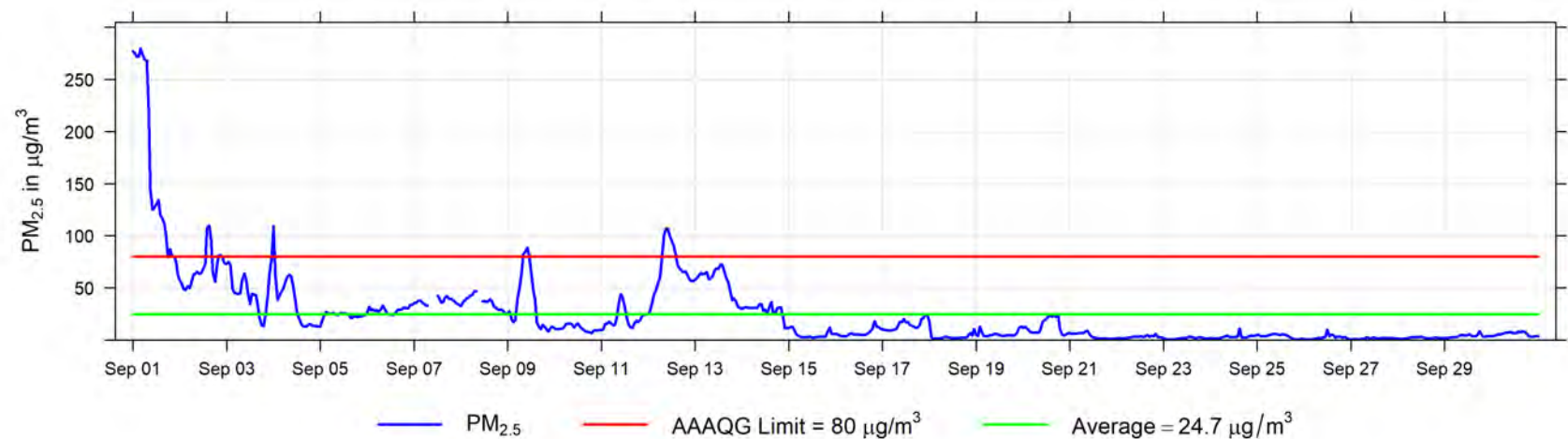
September 2025 Hourly Concentration Readings of NMHC (in ppm) at Henry Pirker



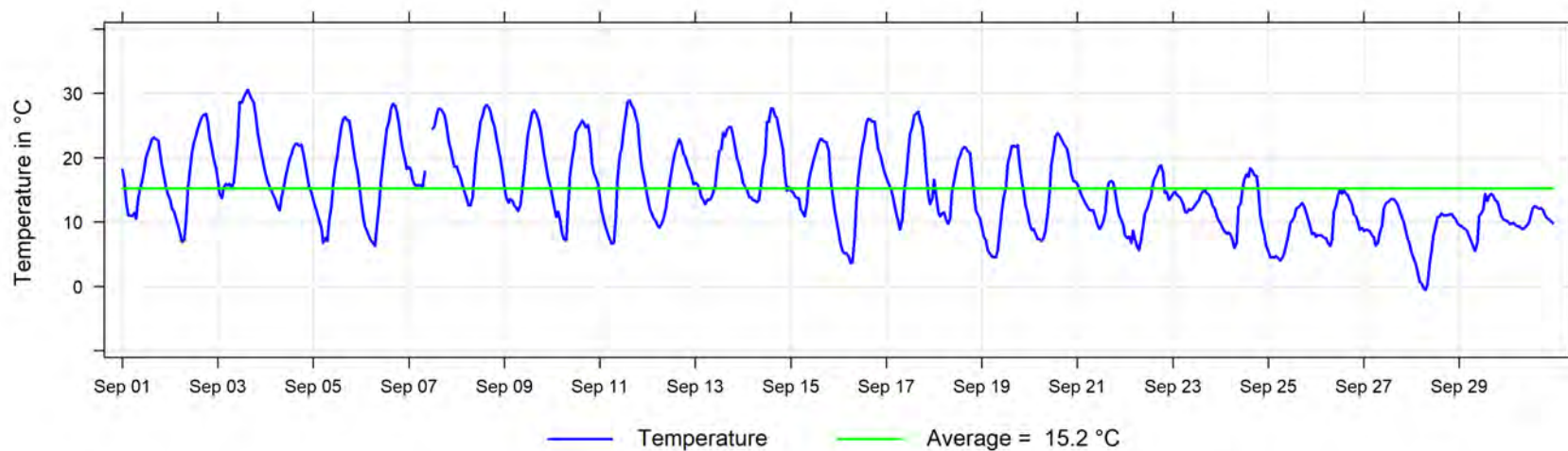
September 2025 Hourly Concentration Readings of CO (in ppm) at Henry Pirker



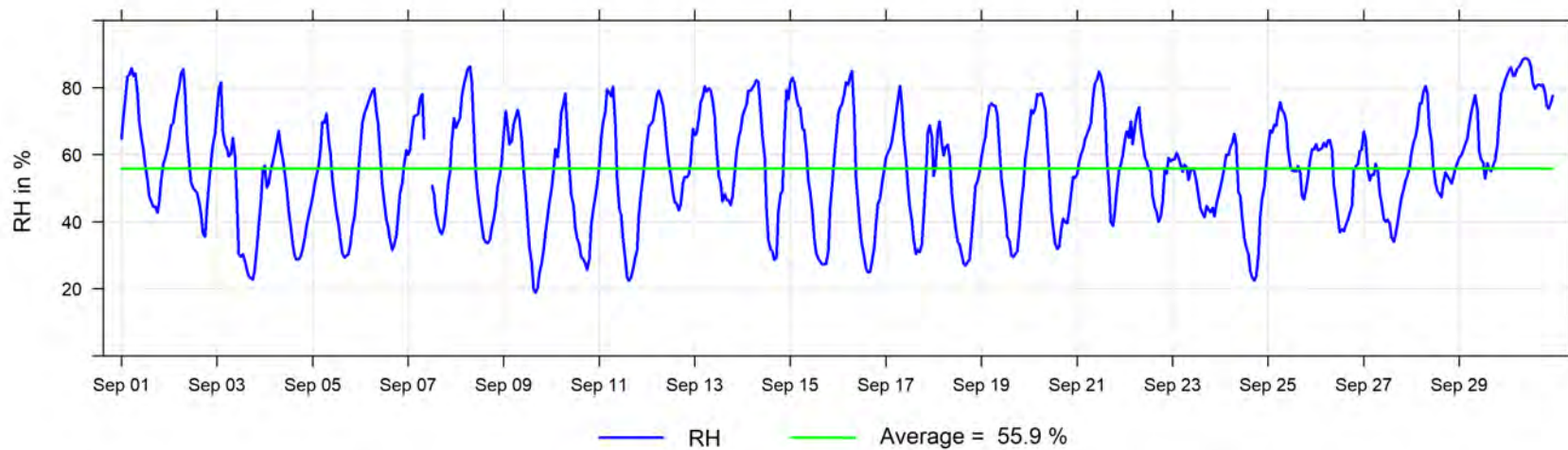
September 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Henry Pirker



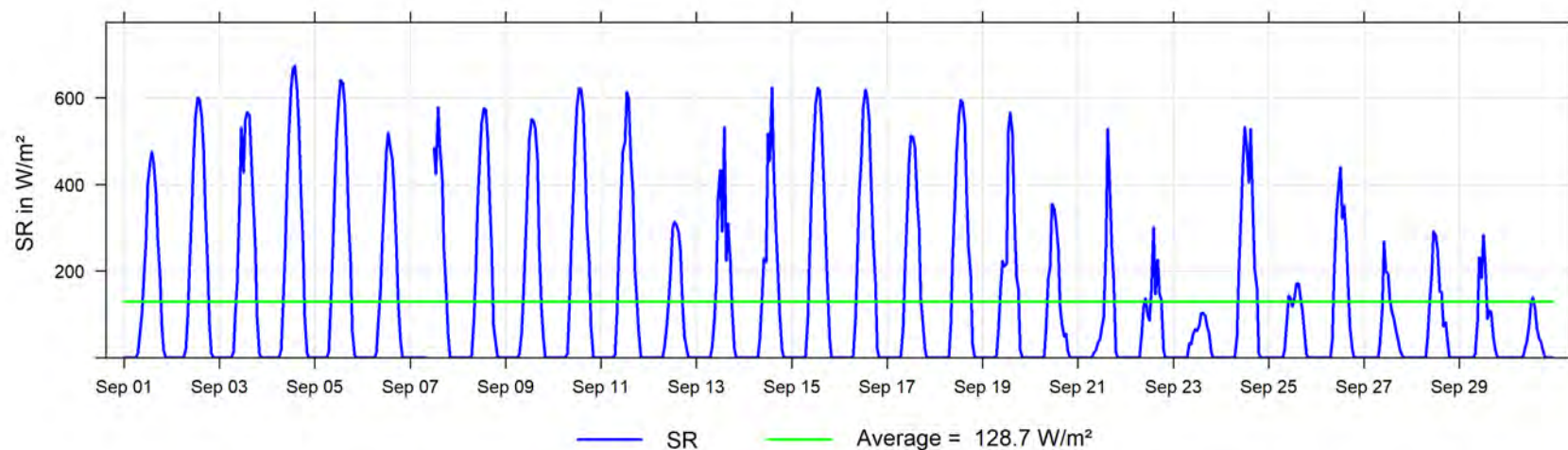
September 2025 Hourly Temperature Readings (in °C) at Henry Pirker



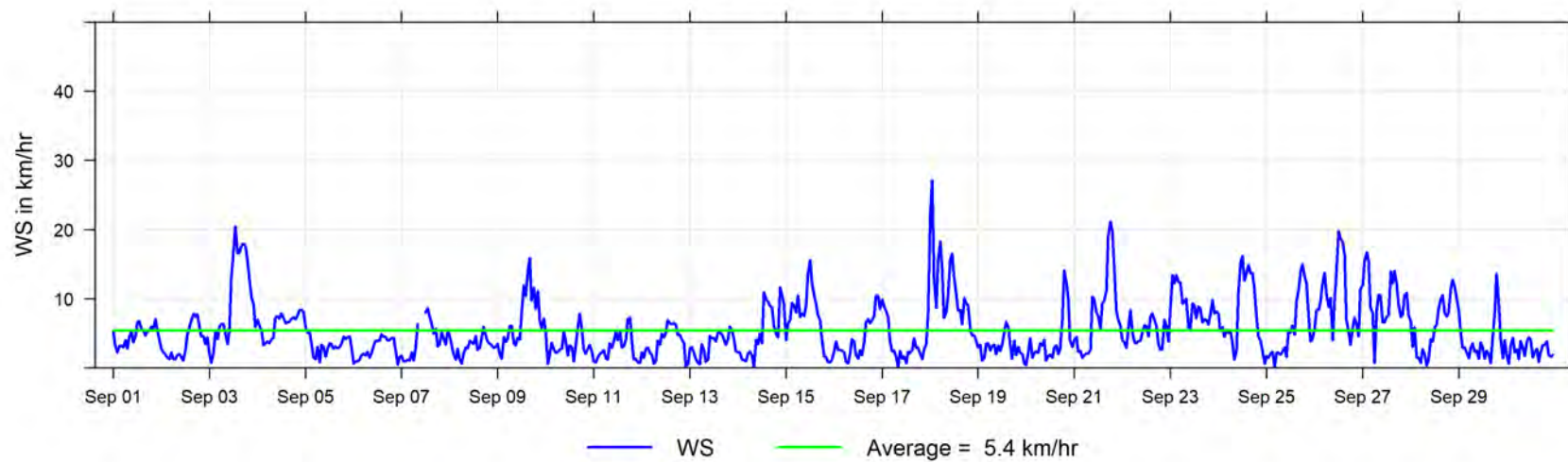
September 2025 Hourly Readings of Relative Humidity (in %) at Henry Pirker



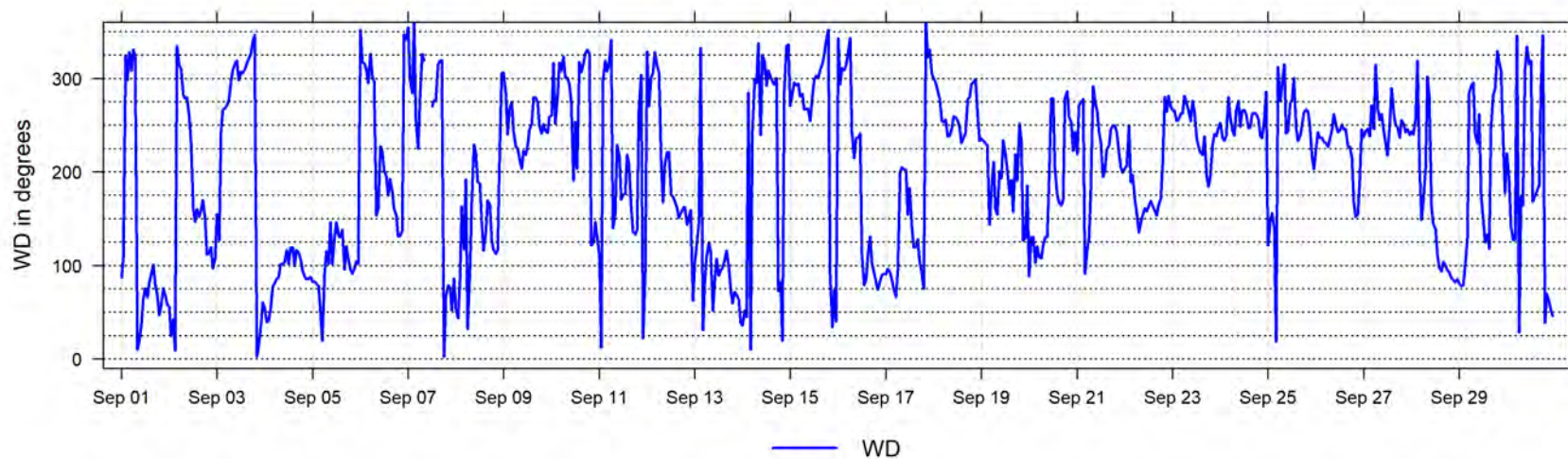
September 2025 Hourly Readings of Solar Radiation (in W/m^2) at Henry Pirker



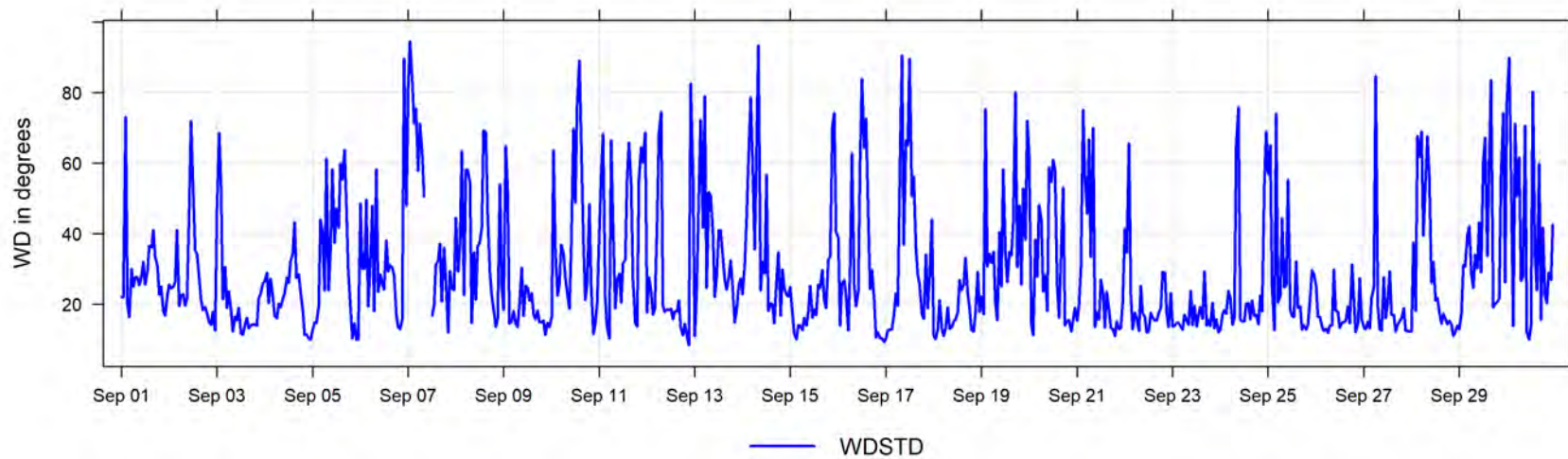
September 2025 Hourly Readings of Wind Speed (in km/hr) at Henry Pirker

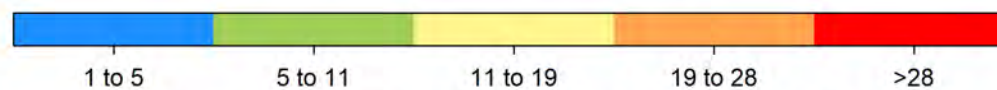
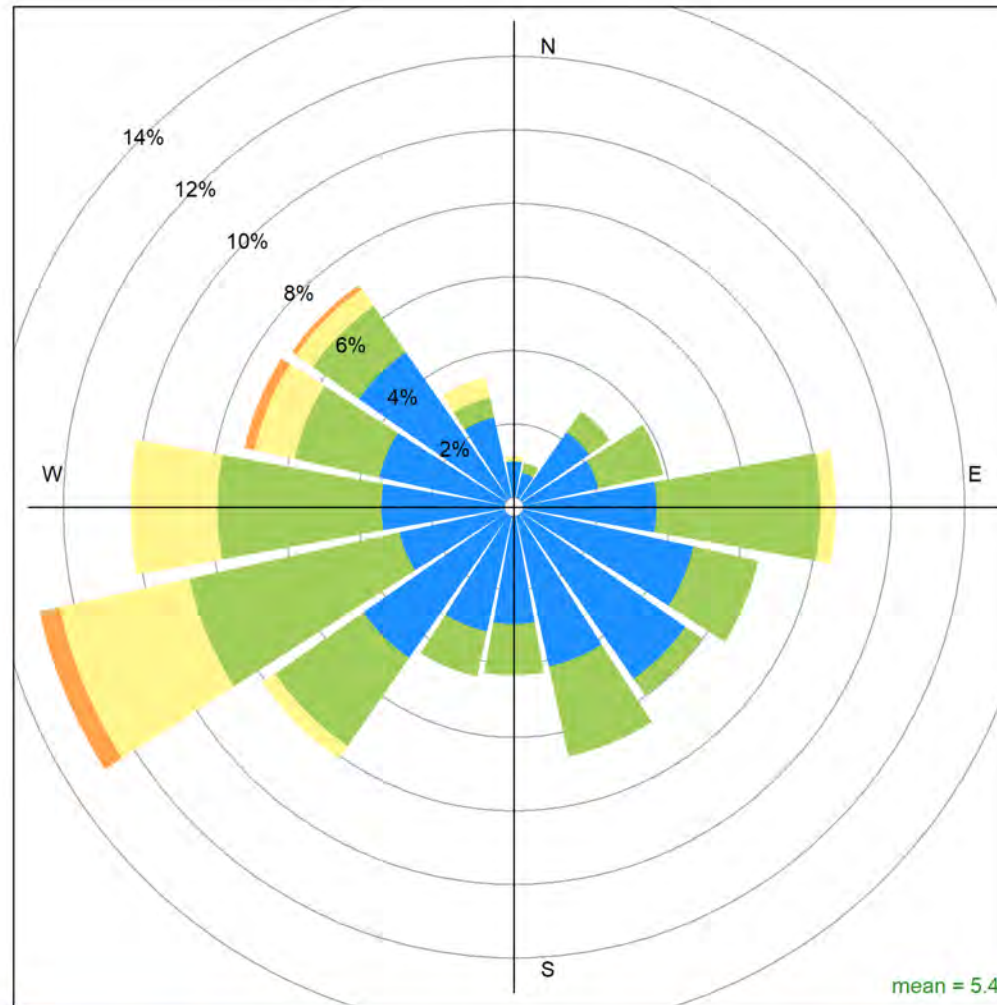


September 2025 Hourly Readings of Wind Direction (in degrees) at Henry Pirker



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

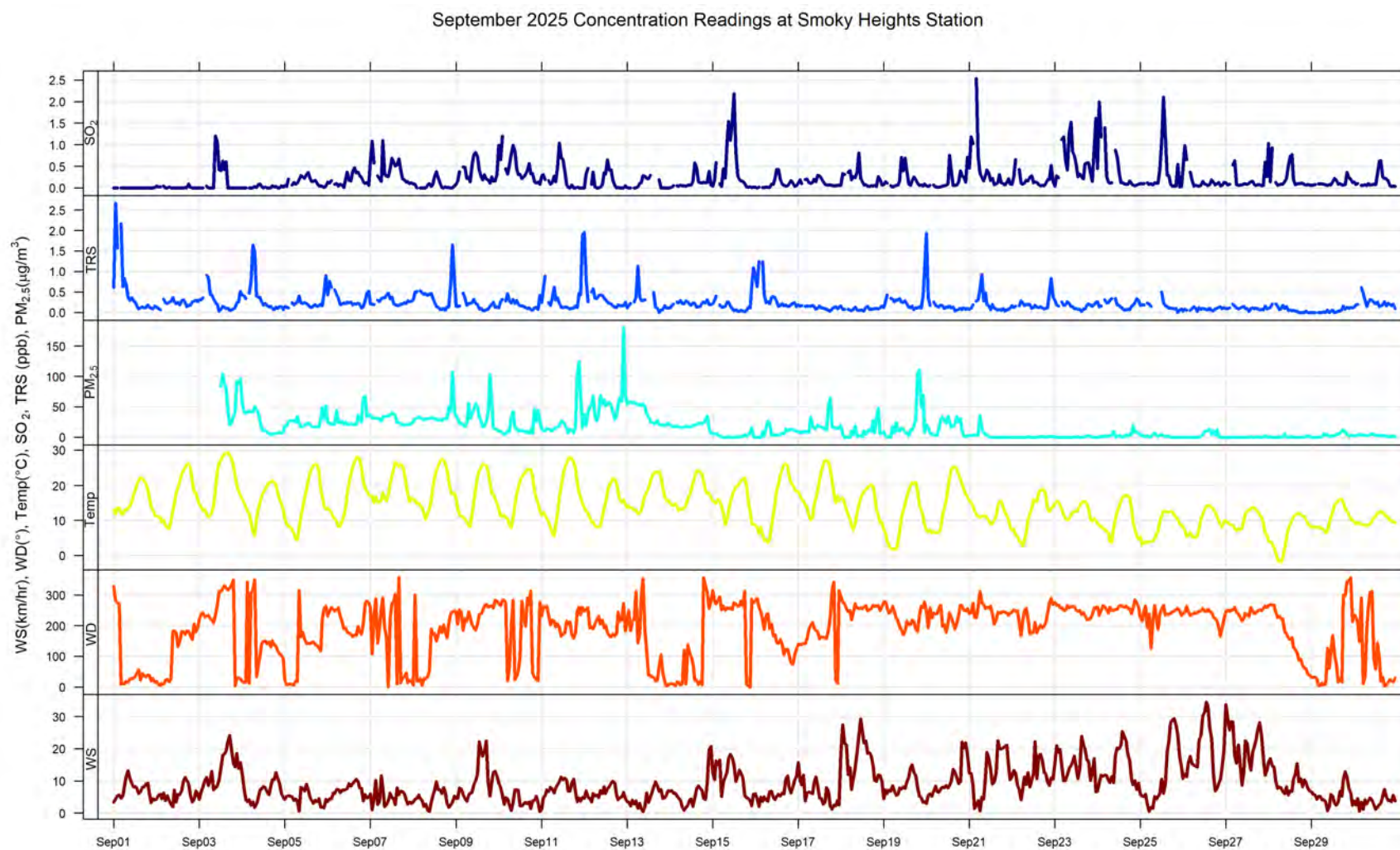




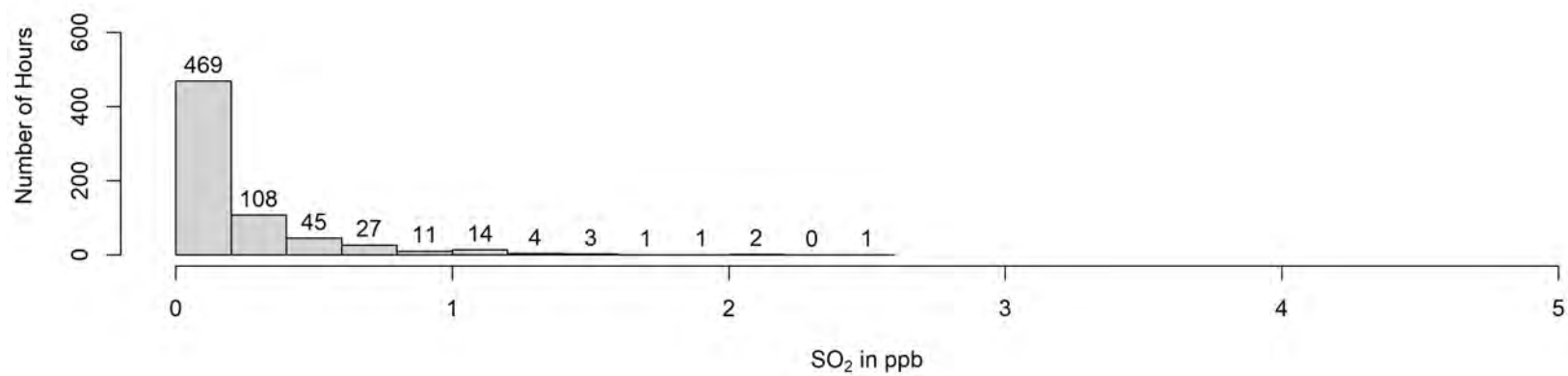
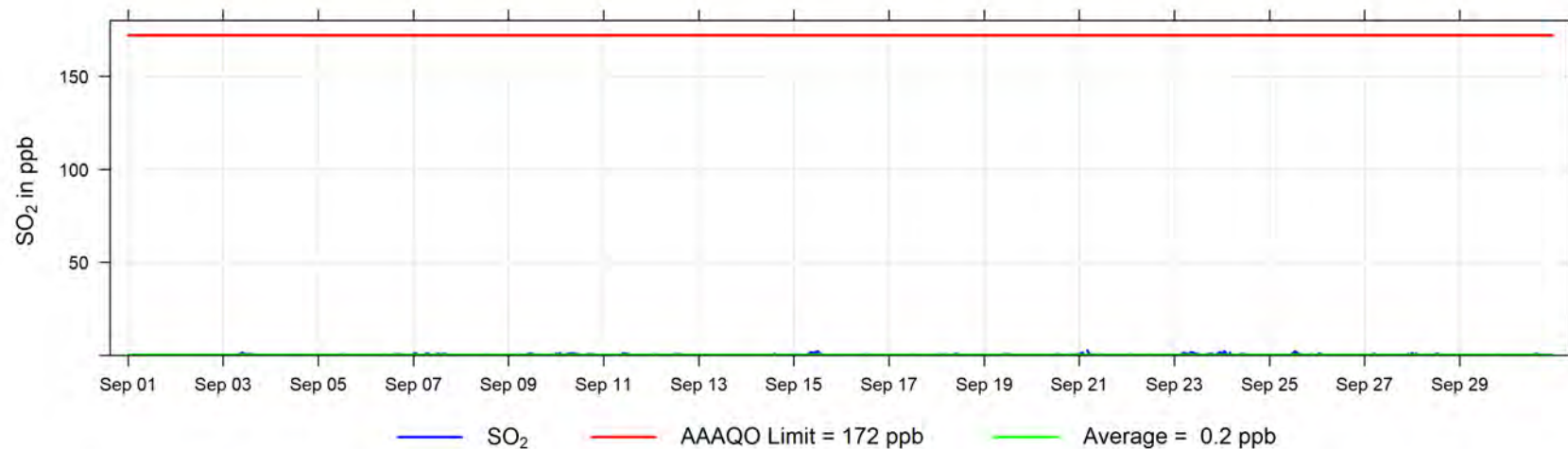
Henry Pirker September 2025 Wind Rose, wind speed in km/hr
Calms (<1km/hr) = 5.4 %

5 Smoky Heights Charts

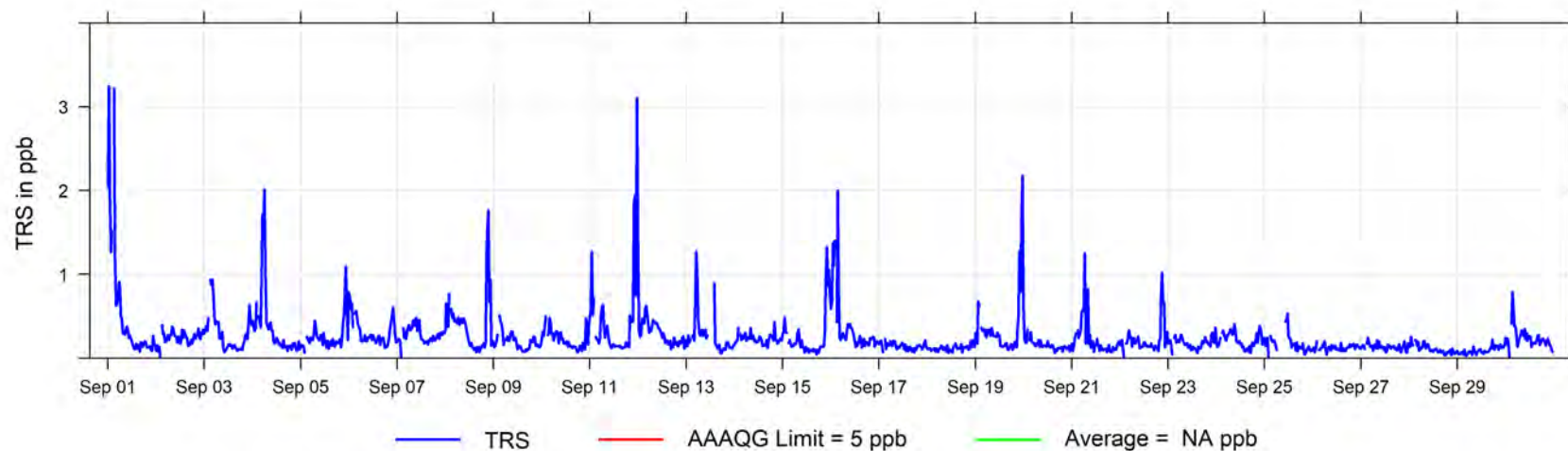
The following pages include the charts and histograms for Smoky Heights Station



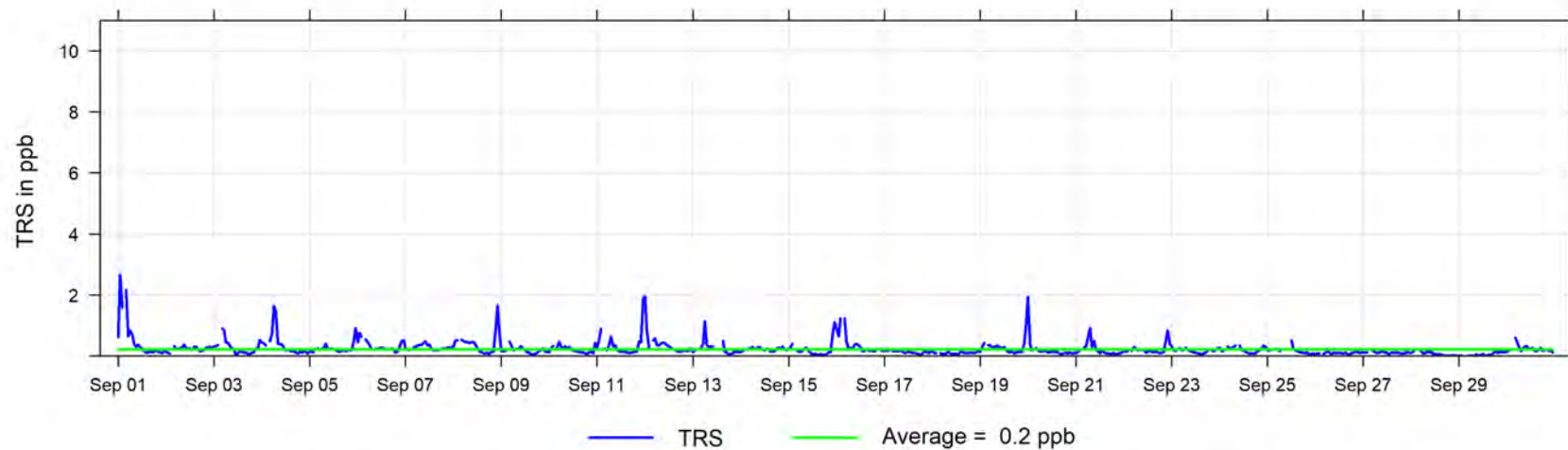
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Smoky Heights

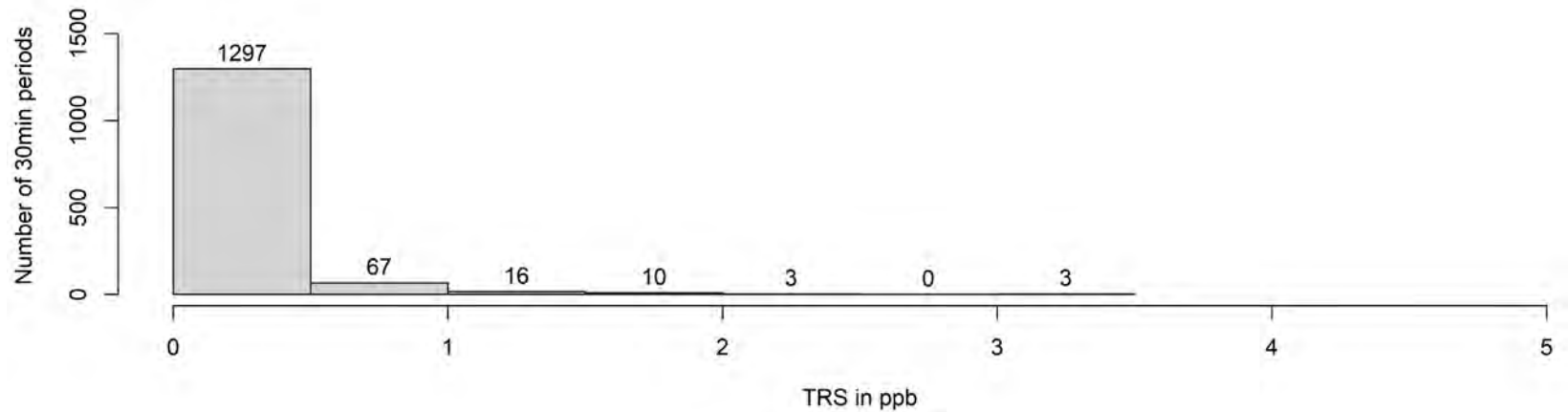


September 2025 30 min Concentration Readings of TRS (in ppb) at Smoky Heights

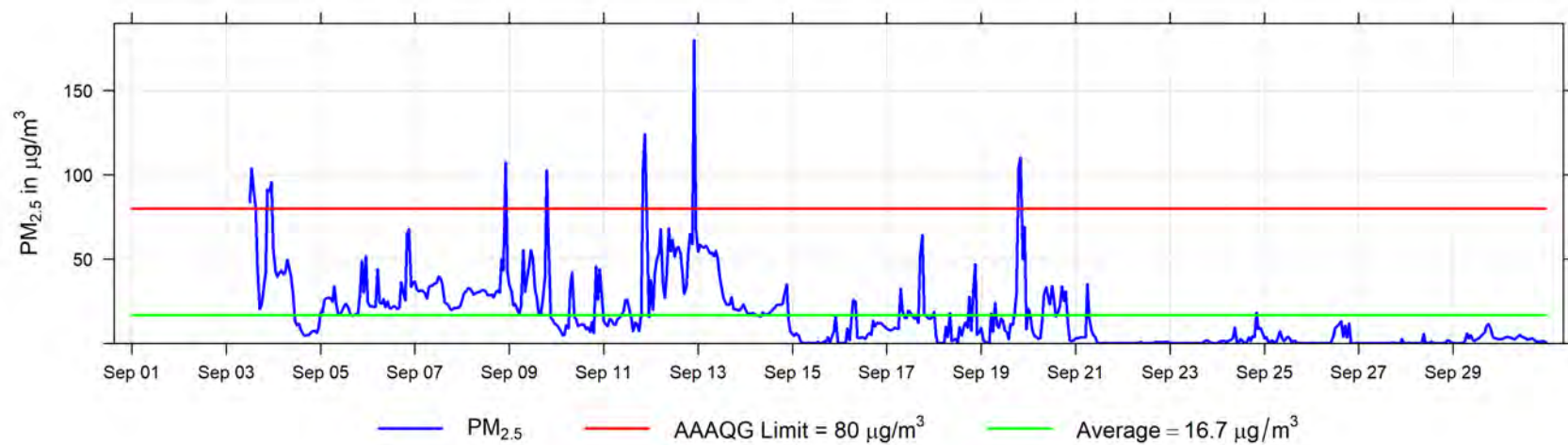


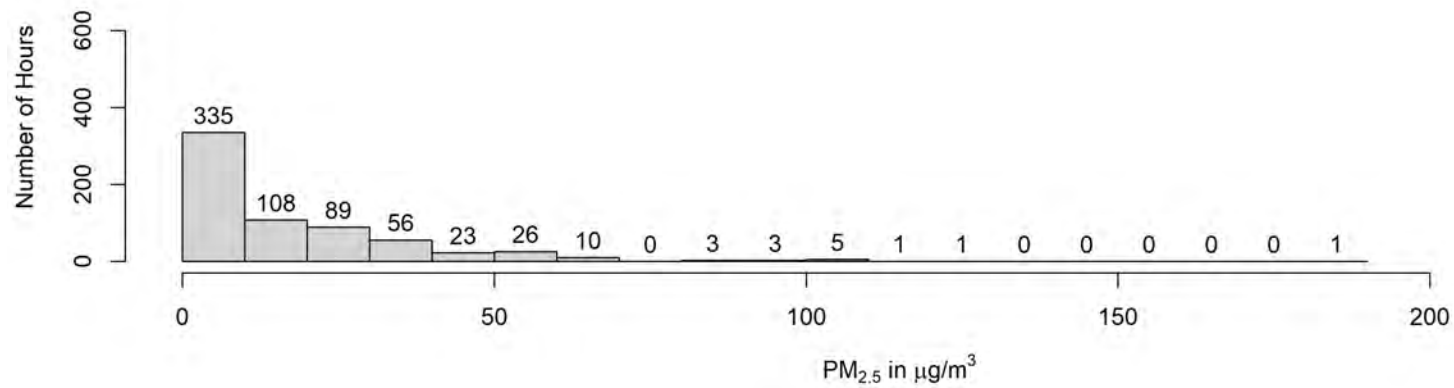
September 2025 Hourly Concentration Readings of TRS (in ppb) at Smoky Heights



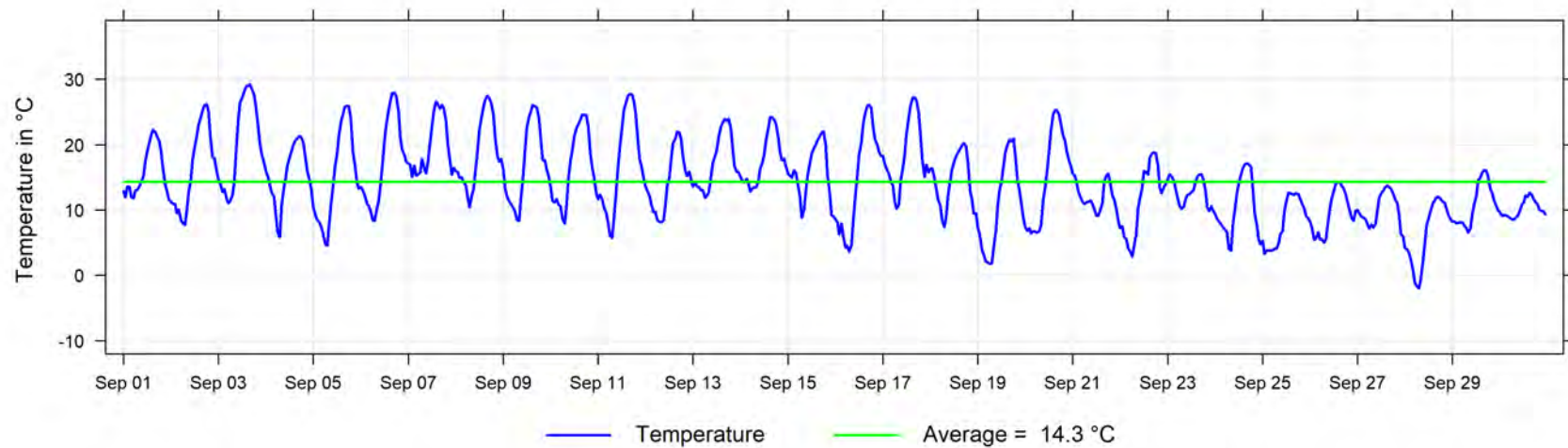


September 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Smoky Heights

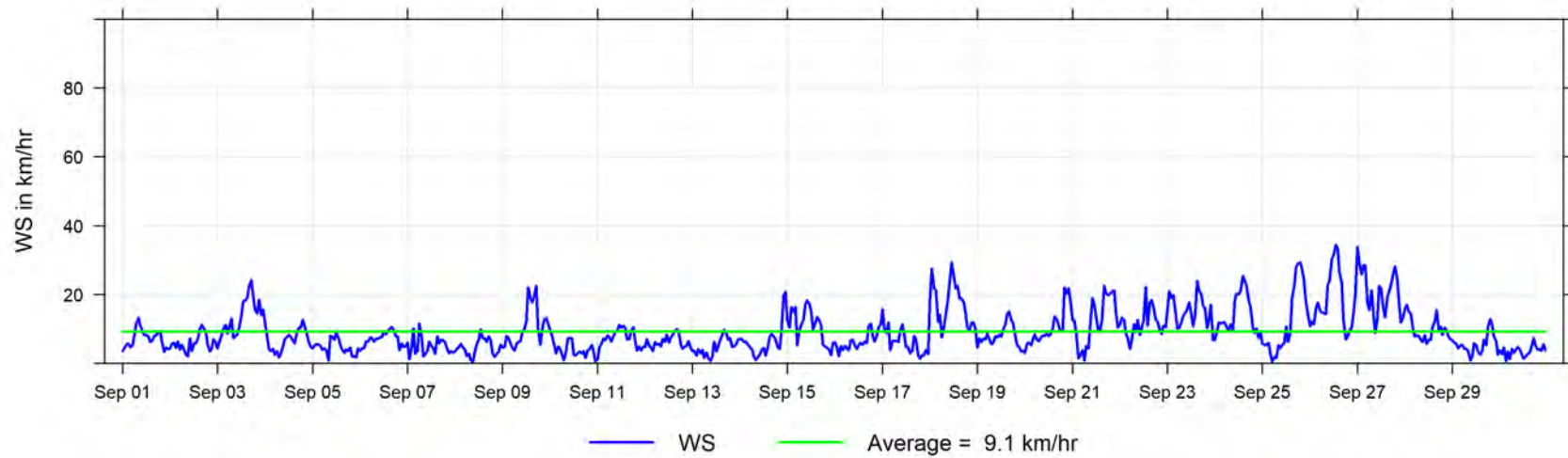




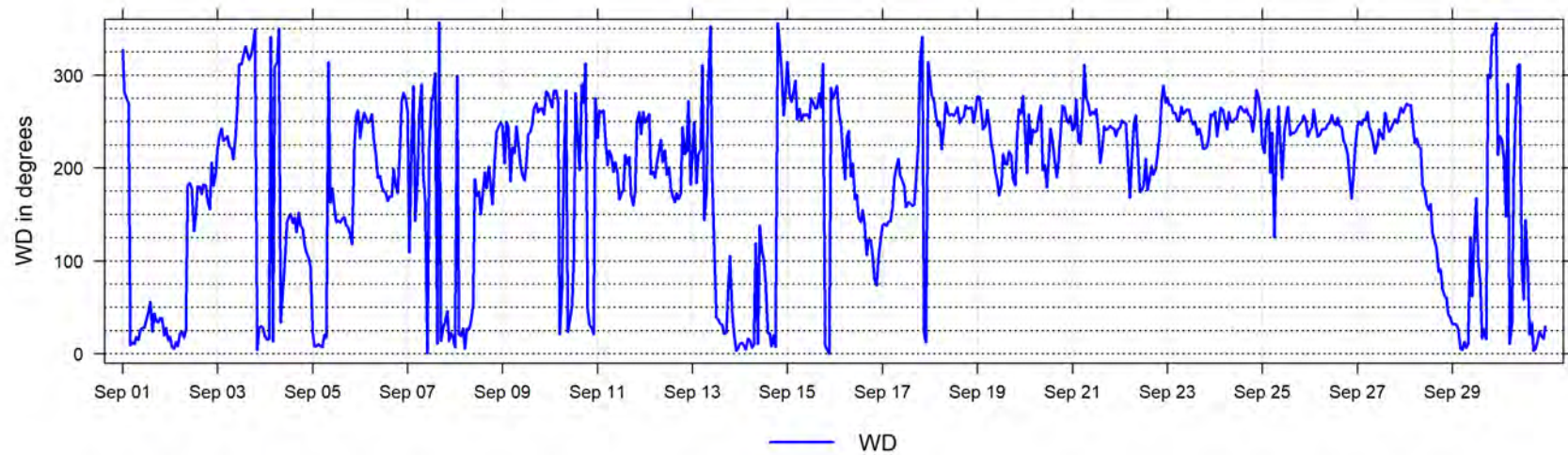
September 2025 Hourly Temperature Readings (in °C) at Smoky Heights



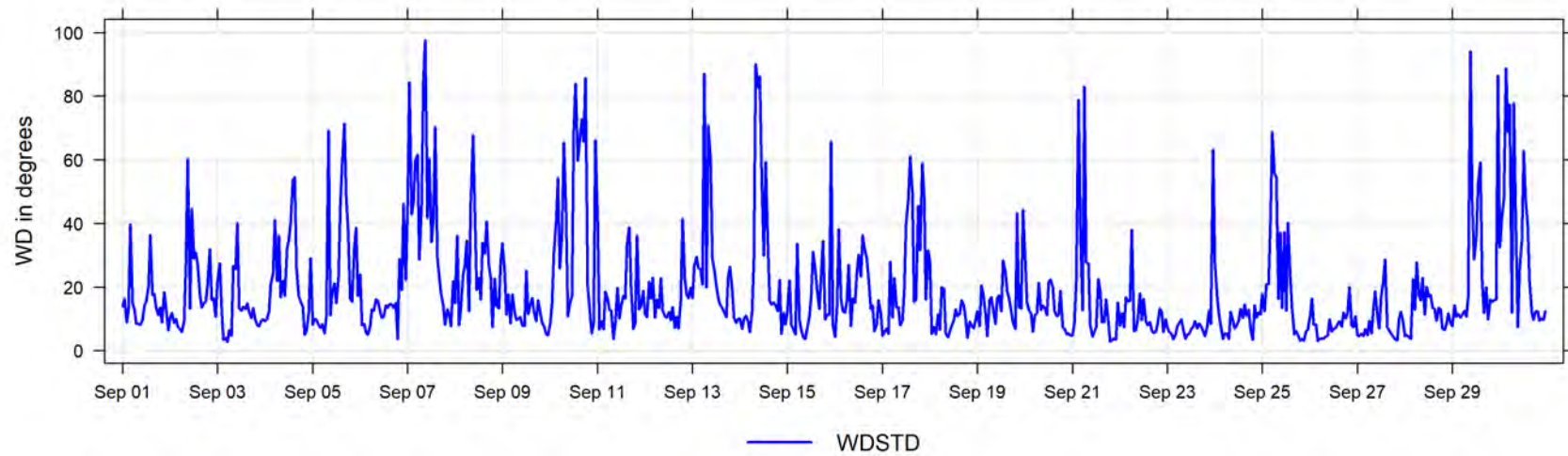
September 2025 Hourly Readings of Wind Speed (in km/hr) at Smoky Heights

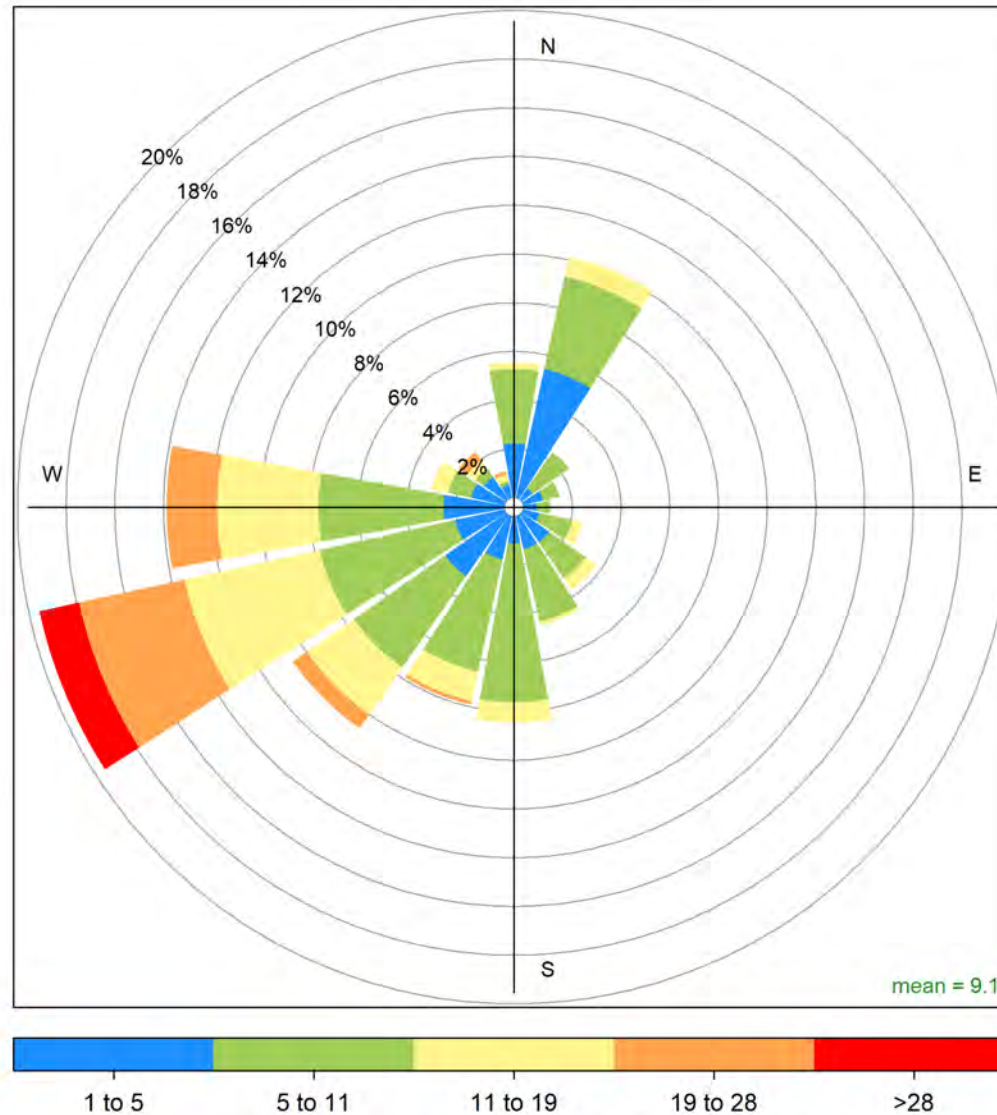


September 2025 Hourly Readings of Wind Direction (in degrees) at Smoky Heights



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





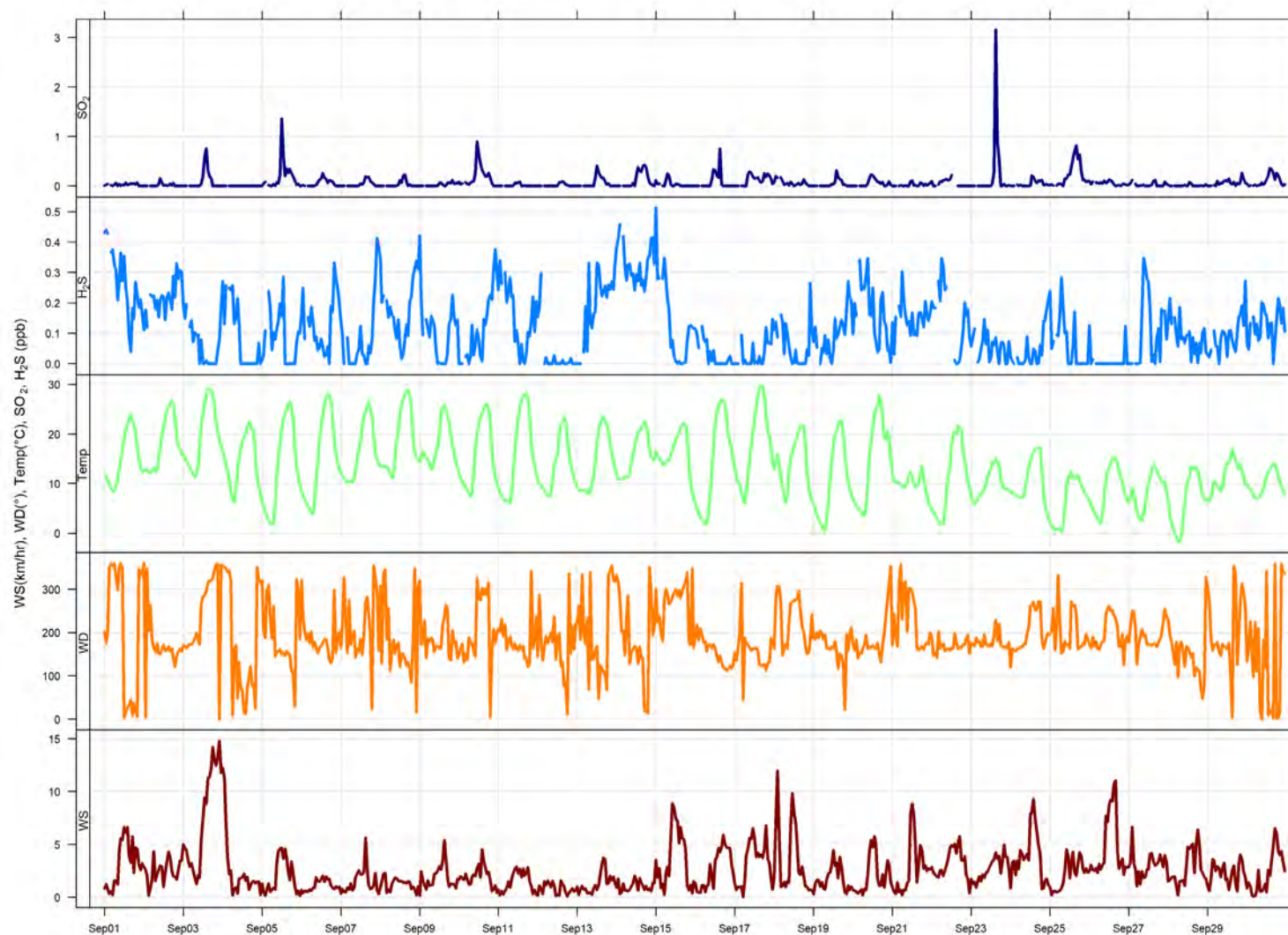
Smoky Heights September 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 1.5 %

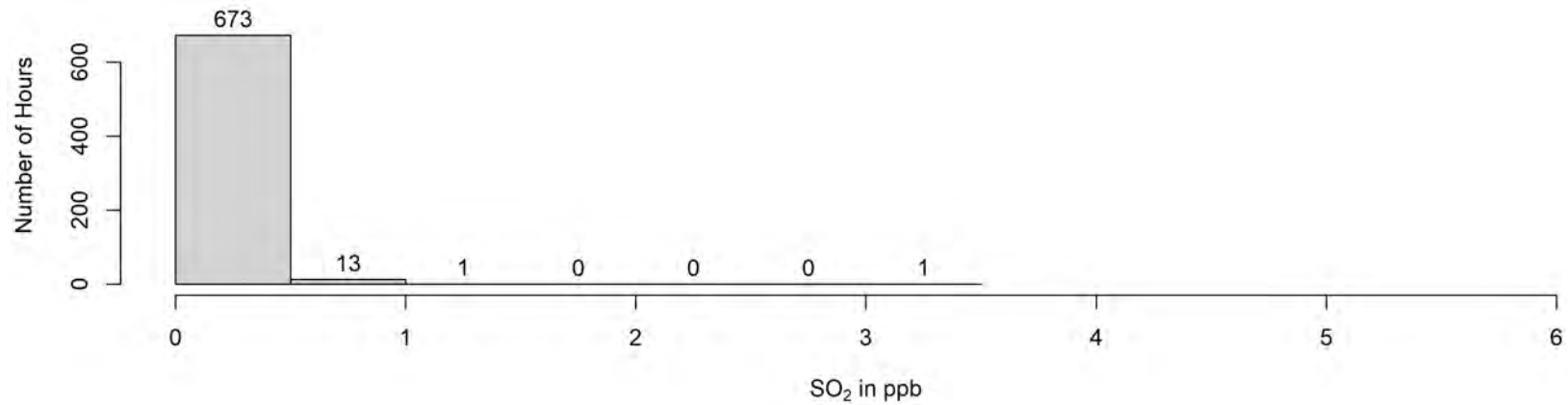
6 Valleyview Charts

The following pages include the charts and histograms for Valleyview Station

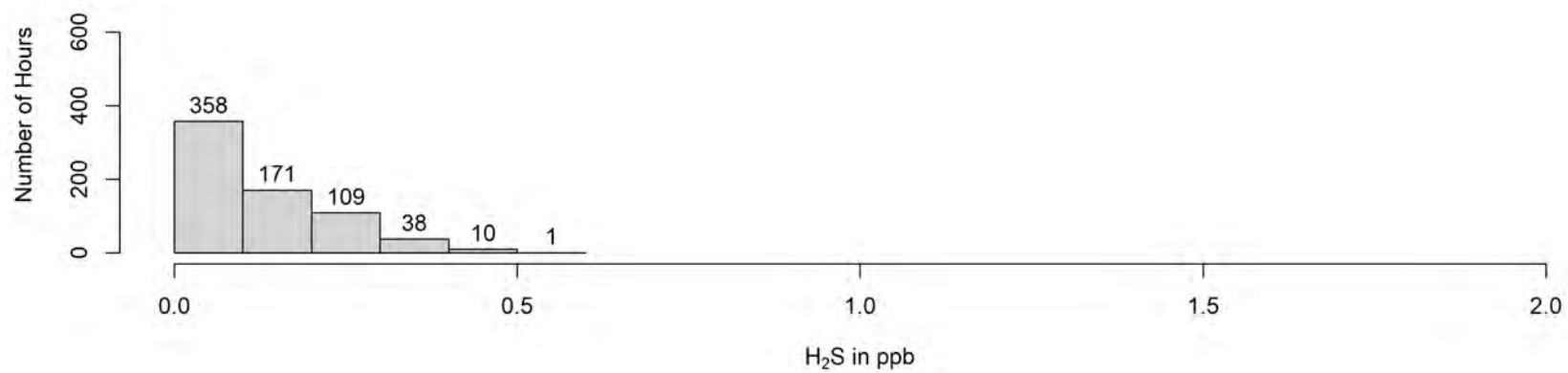
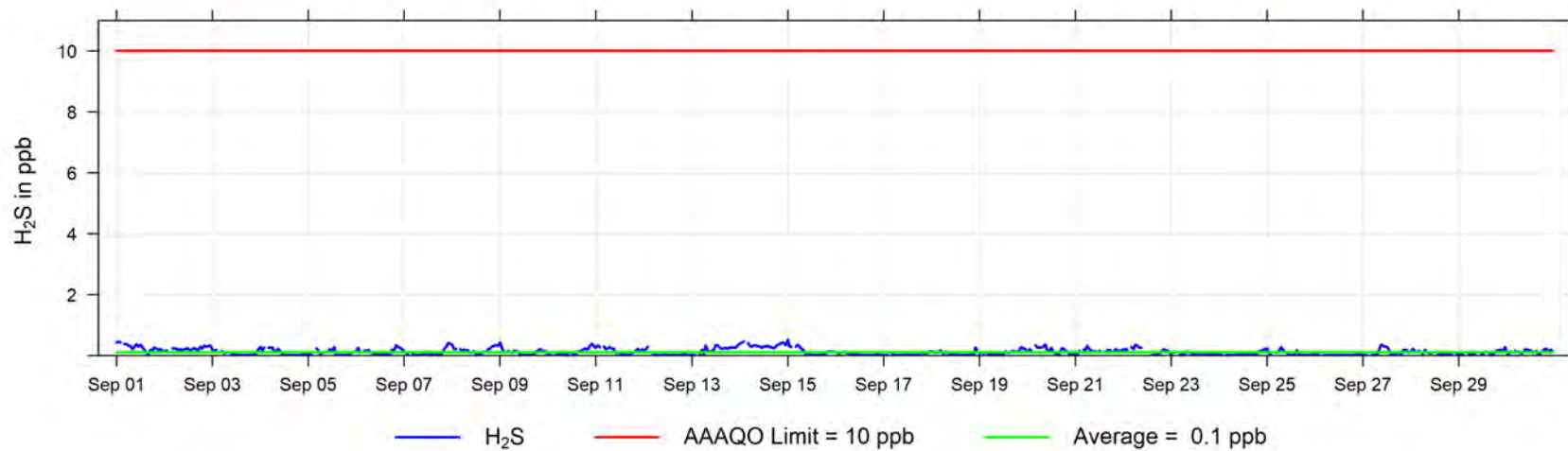
September 2025 Concentration Readings at Valleyview Station



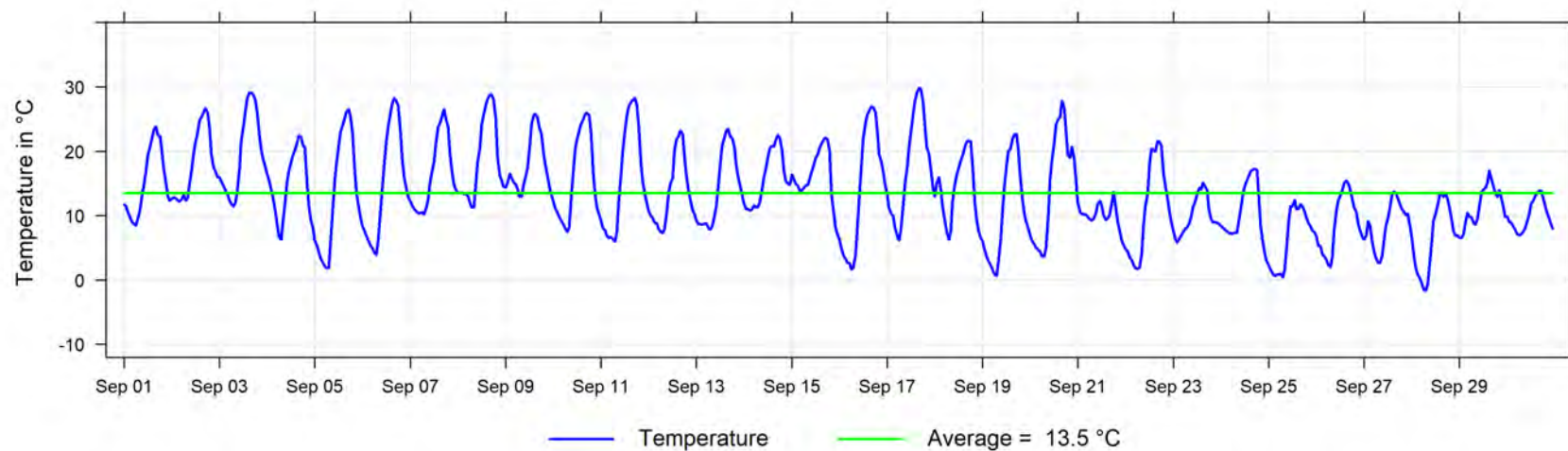
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Valleyview



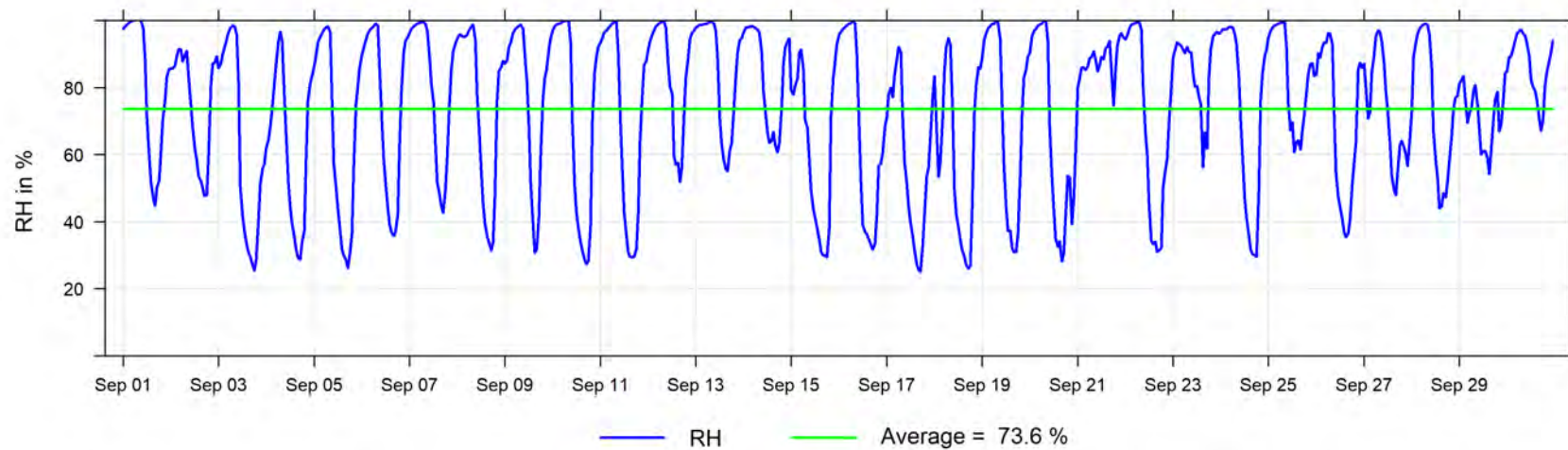
September 2025 Hourly Concentration Readings of H₂S (in ppb) at Valleyview



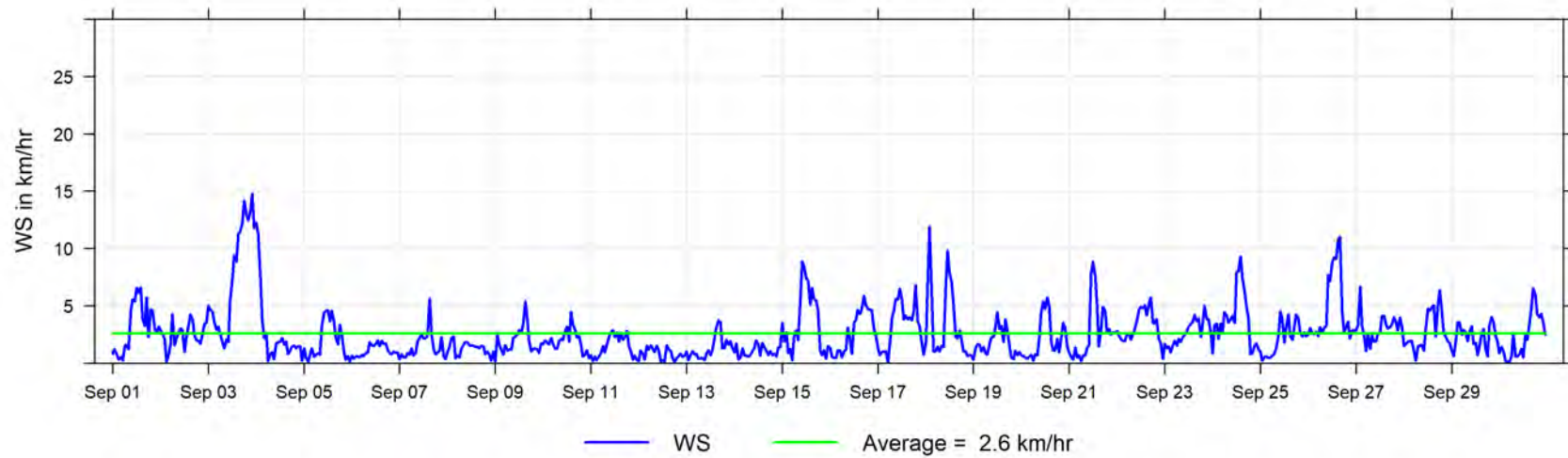
September 2025 Hourly Temperature Readings (in °C) at Valleyview



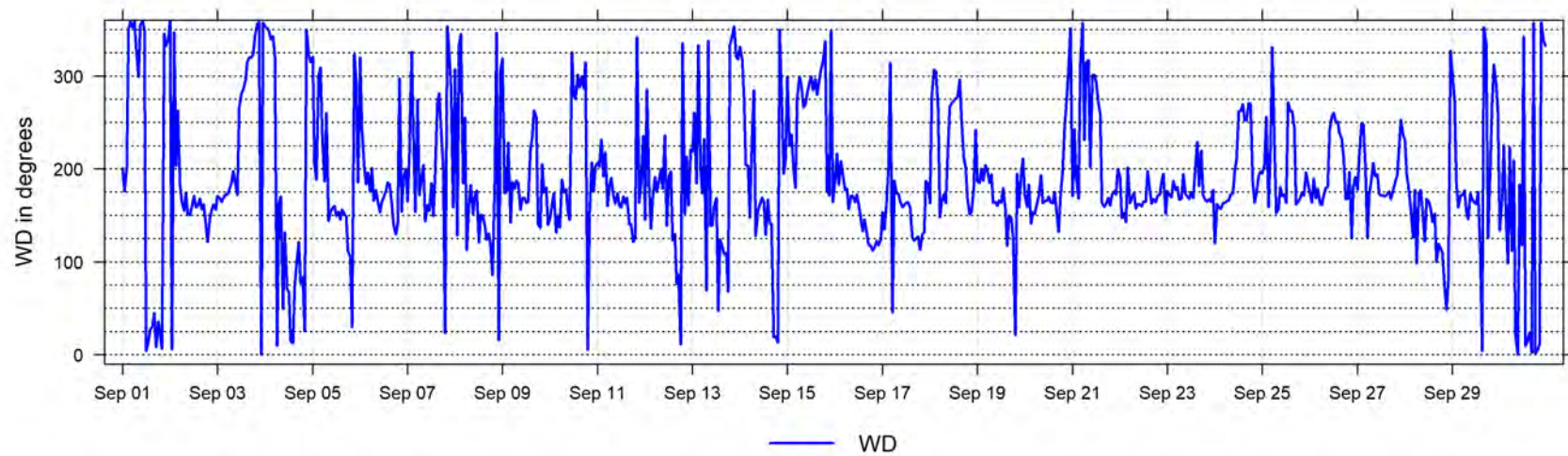
September 2025 Hourly Readings of Relative Humidity (in %) at Valleyview



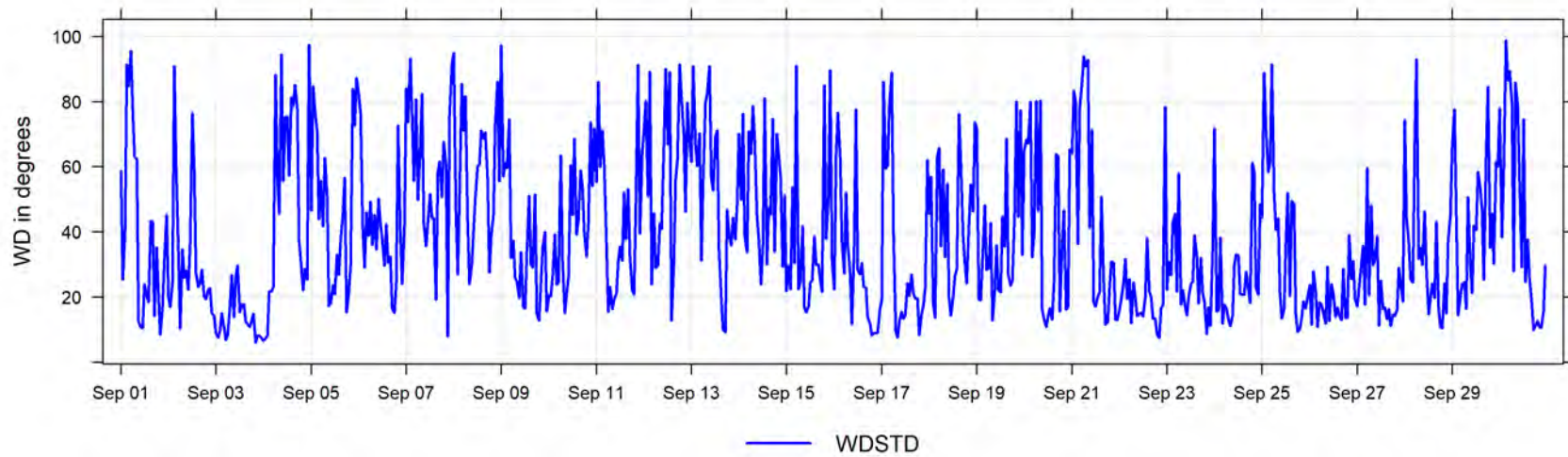
September 2025 Hourly Readings of Wind Speed (in km/hr) at Valleyview

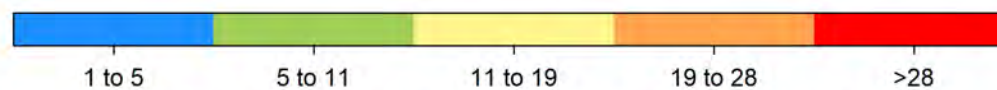
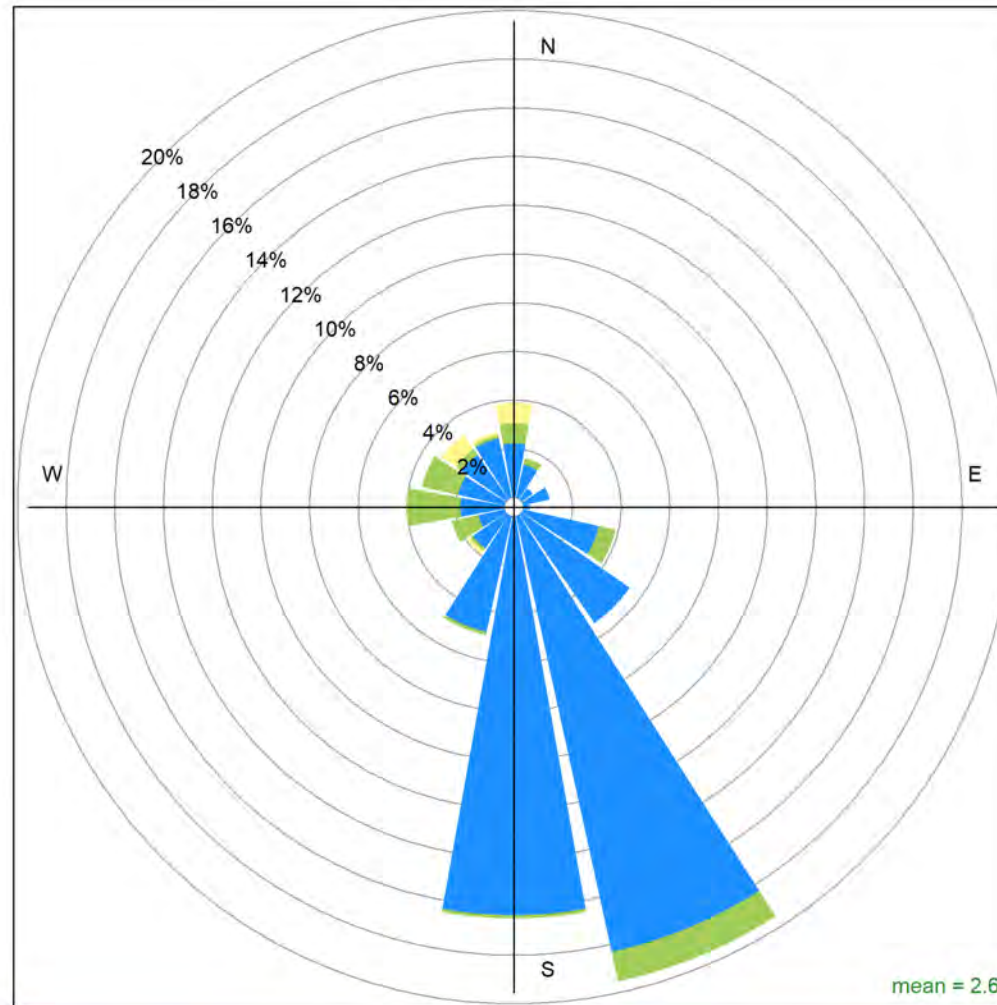


September 2025 Hourly Readings of Wind Direction (in degrees) at Valleyview



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



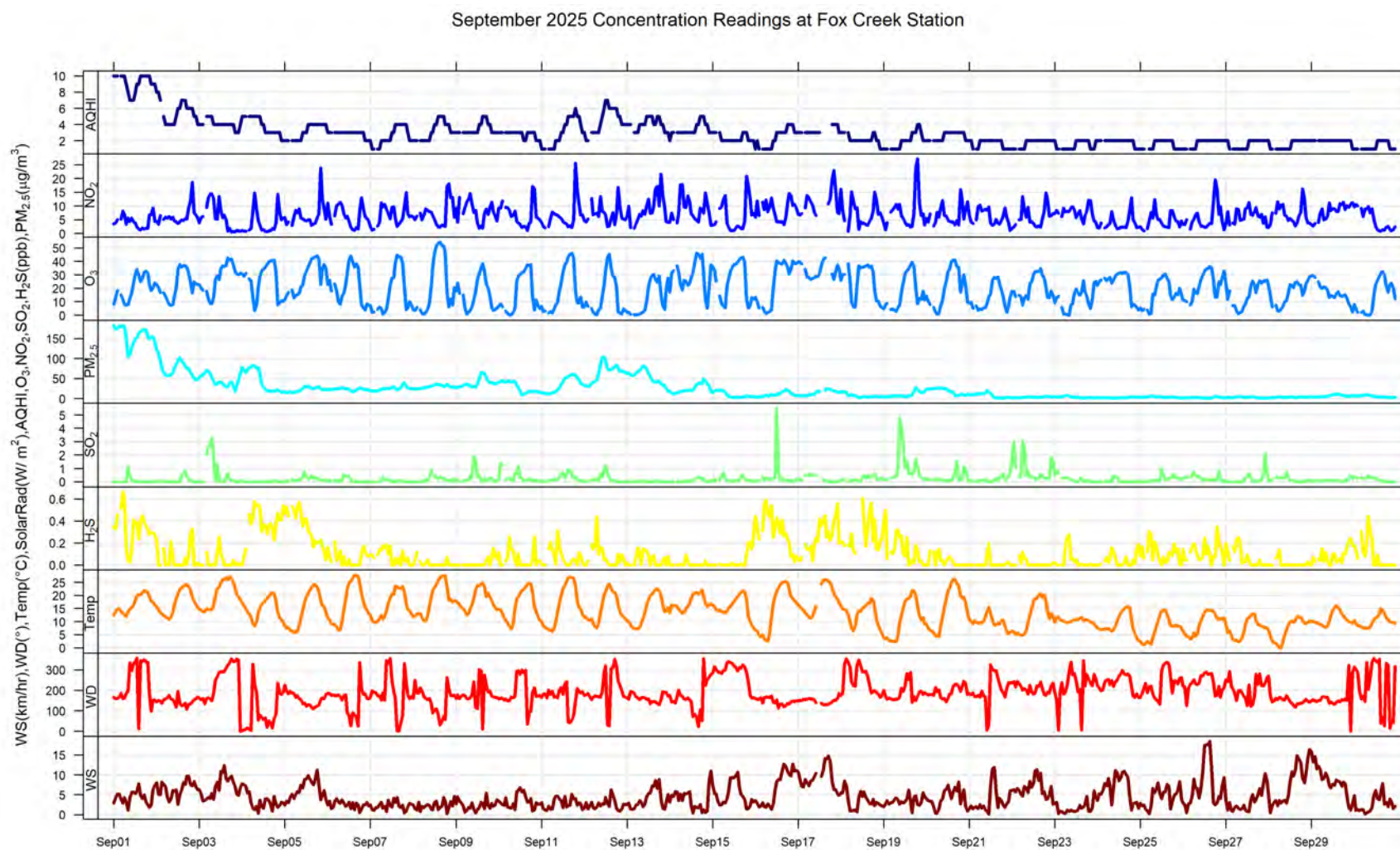


Valleyview September 2025 Wind Rose, wind speed in km/hr

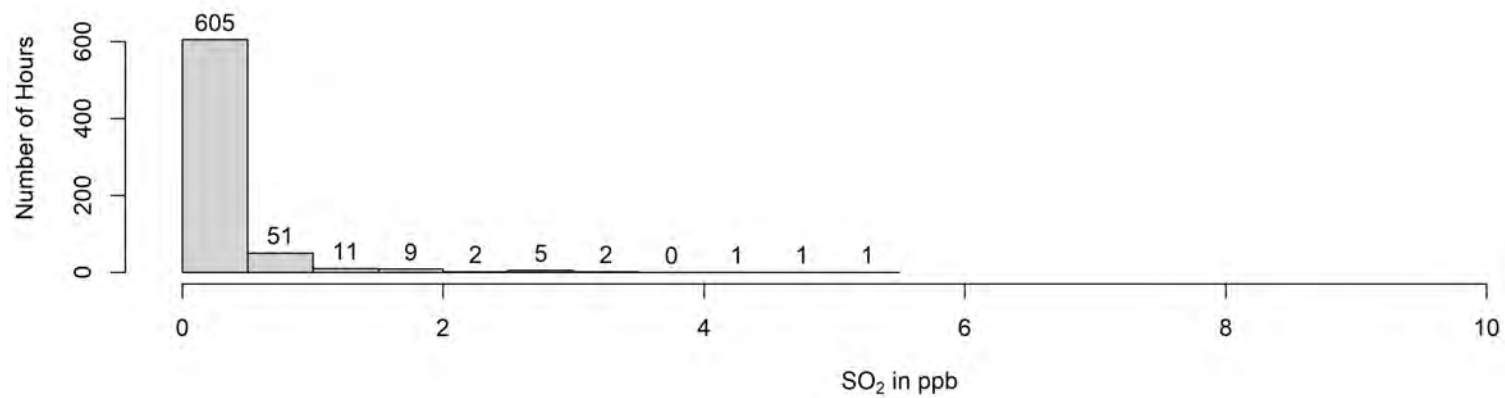
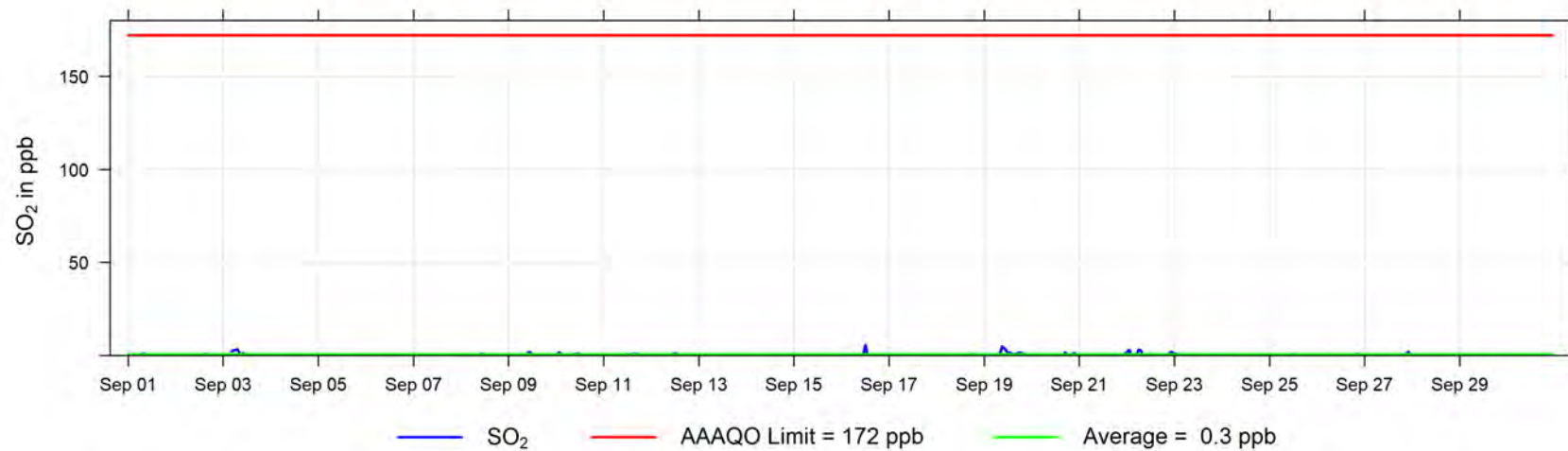
Calms (<1km/hr) = 24.5 %

7 Fox Creek Charts

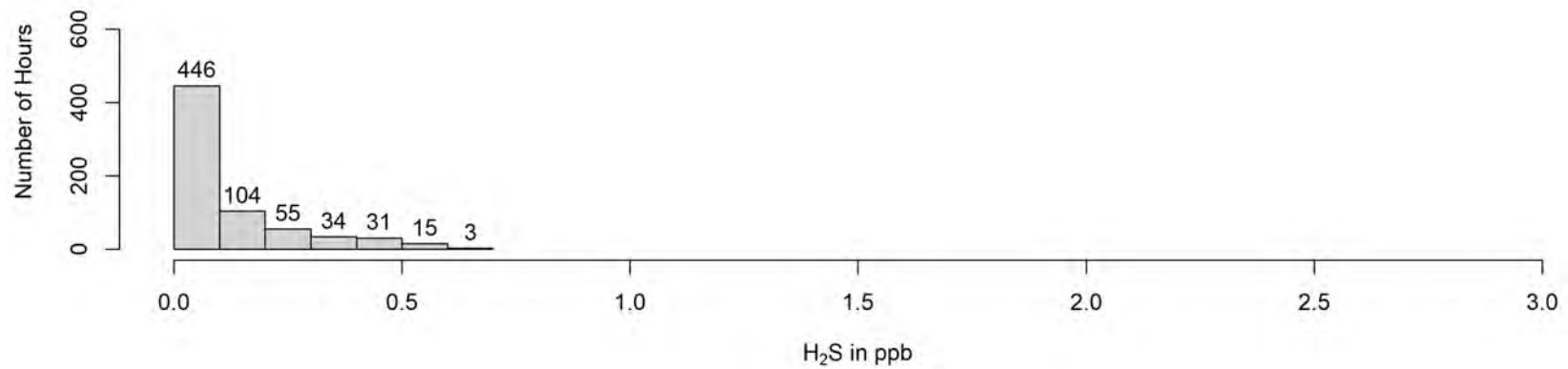
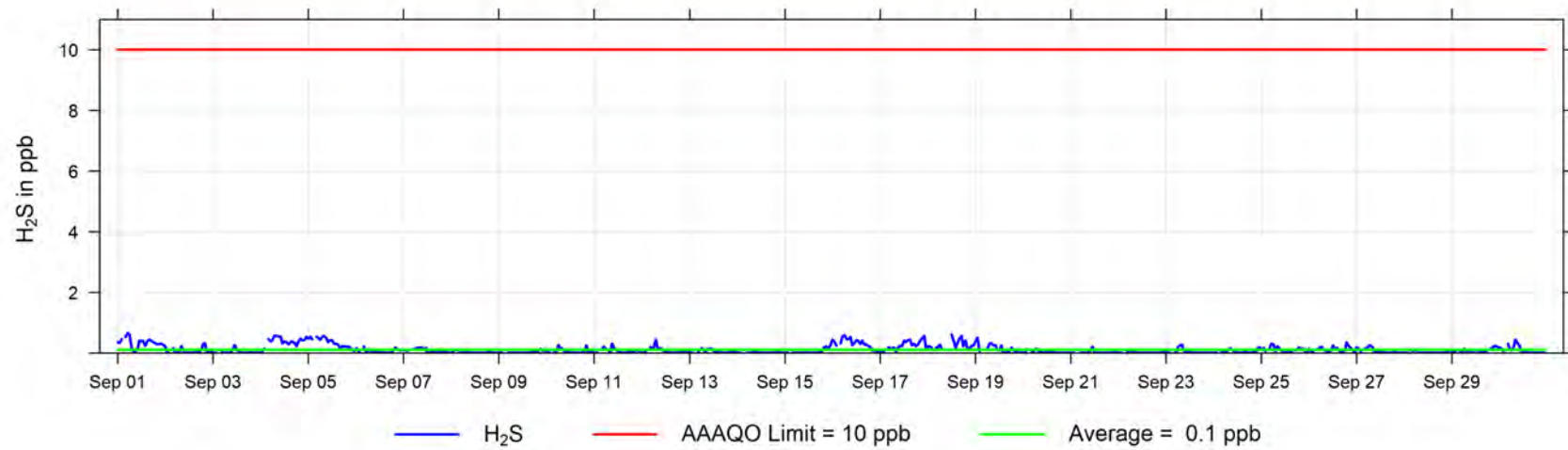
The following pages include the charts and histograms for Fox Creek Station



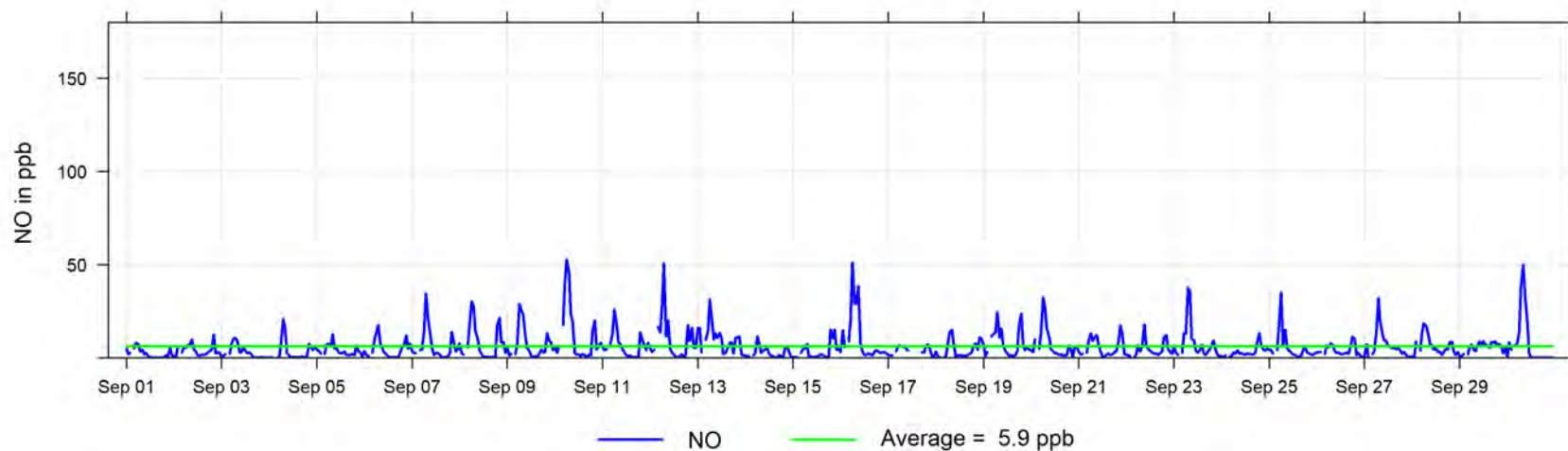
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Fox Creek



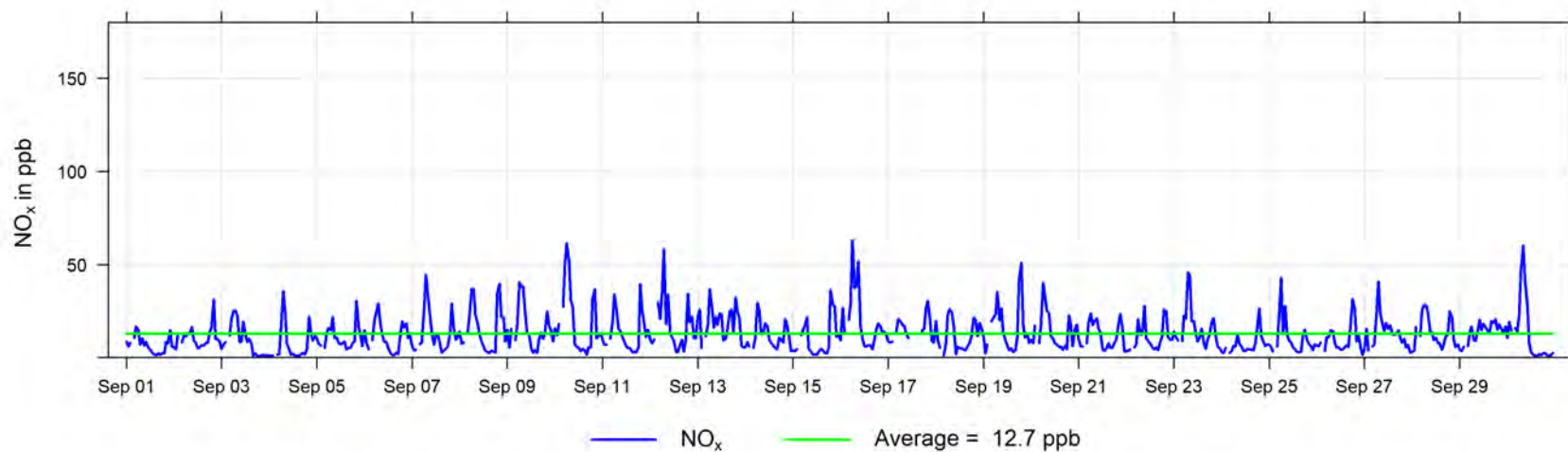
September 2025 Hourly Concentration Readings of H₂S (in ppb) at Fox Creek



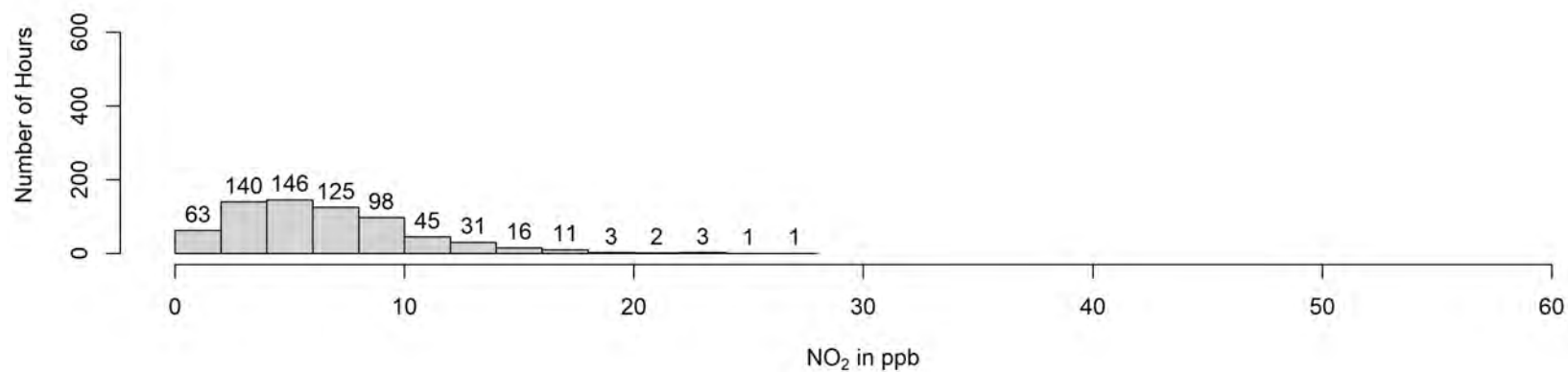
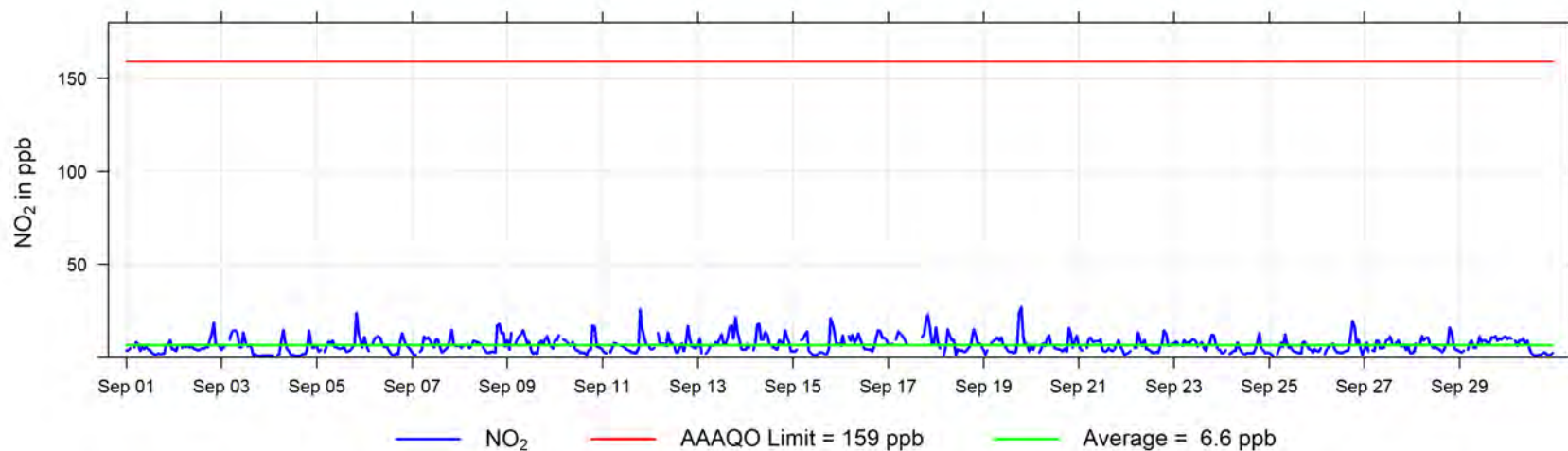
September 2025 Hourly Concentration Readings of NO (in ppb) at Fox Creek



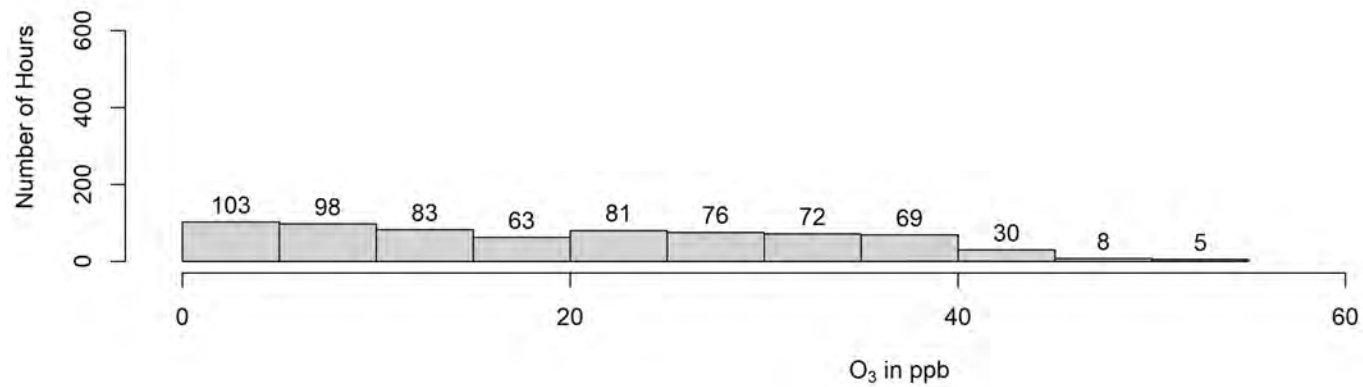
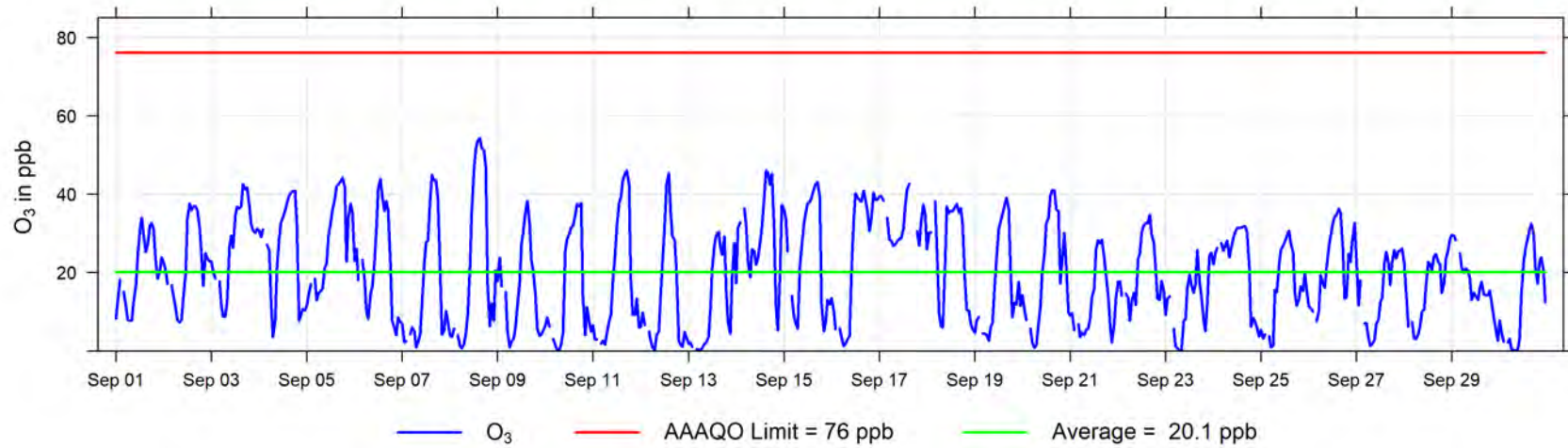
September 2025 Hourly Concentration Readings of NO_x (in ppb) at Fox Creek



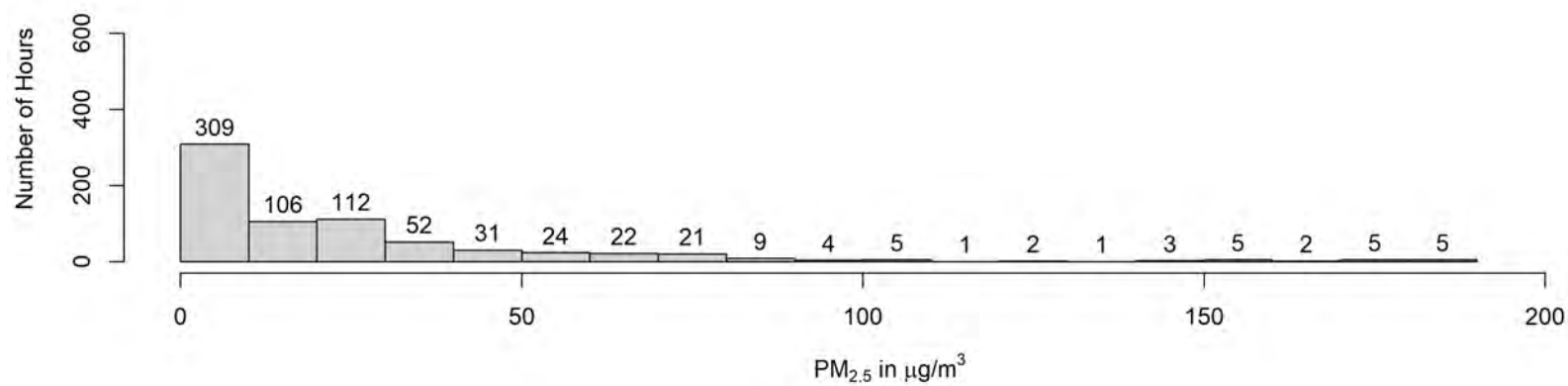
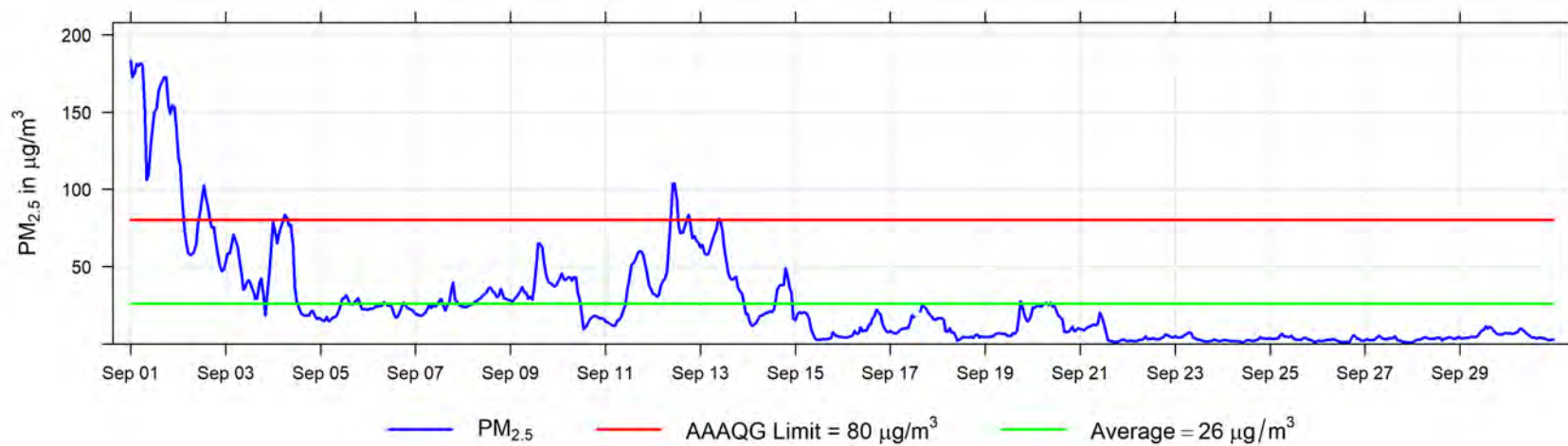
September 2025 Hourly Concentration Readings of NO₂ (in ppb) at Fox Creek



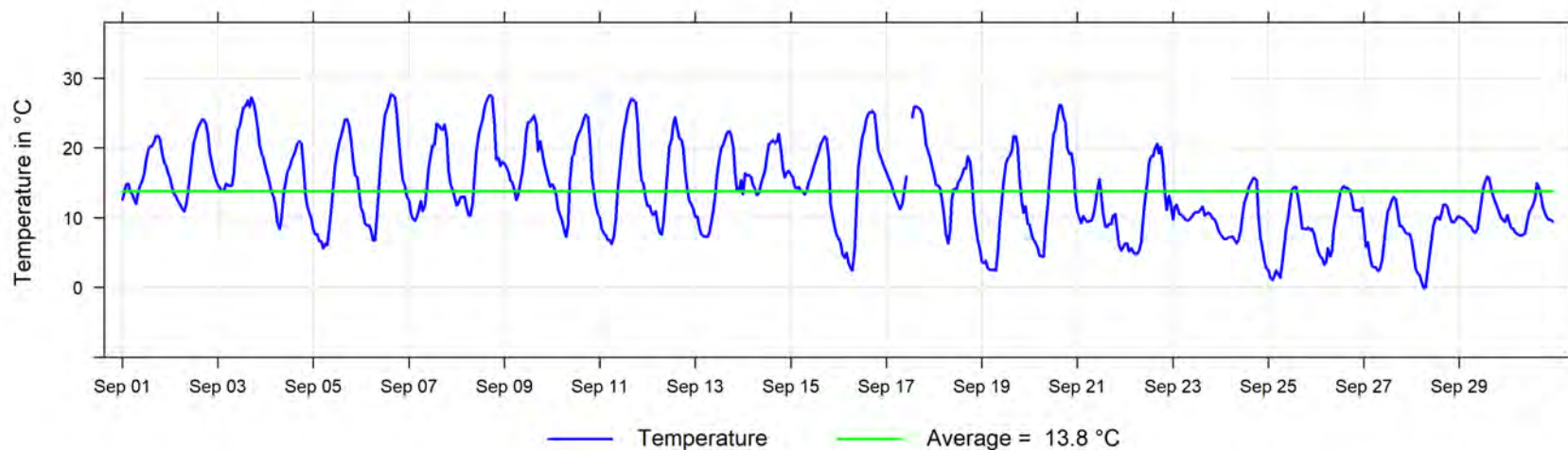
September 2025 Hourly Concentration Readings of O₃ (in ppb) at Fox Creek



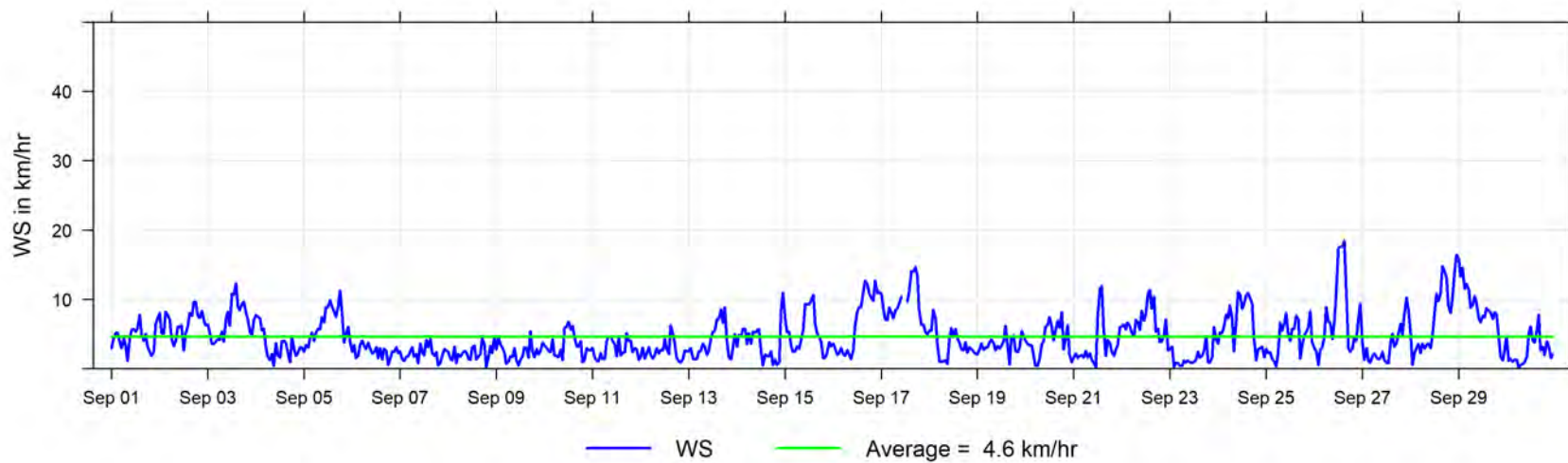
September 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Fox Creek



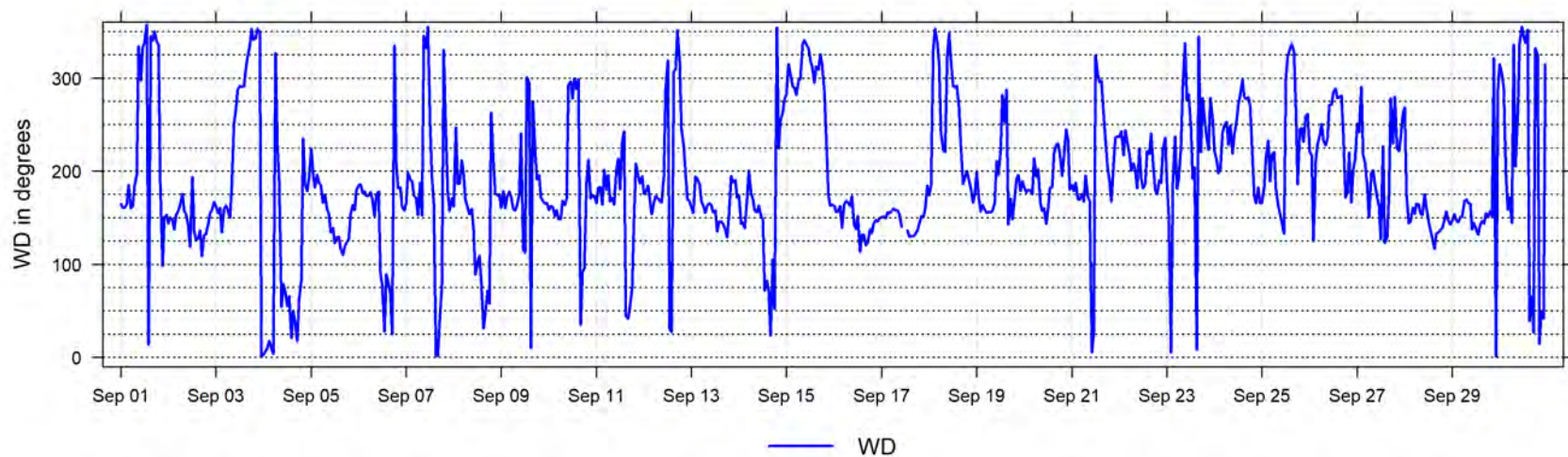
September 2025 Hourly Temperature Readings (in °C) at Fox Creek



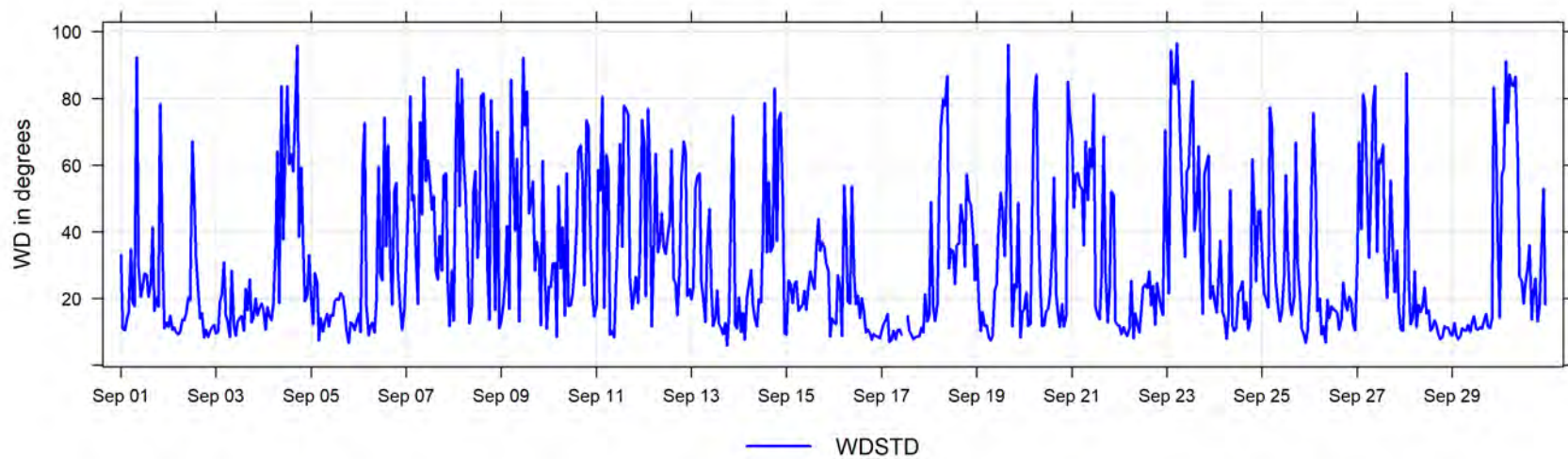
September 2025 Hourly Readings of Wind Speed (in km/hr) at Fox Creek

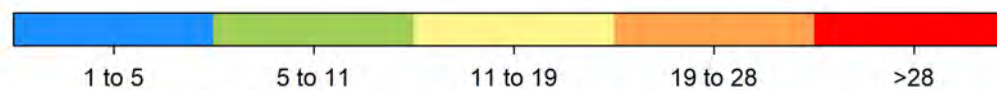
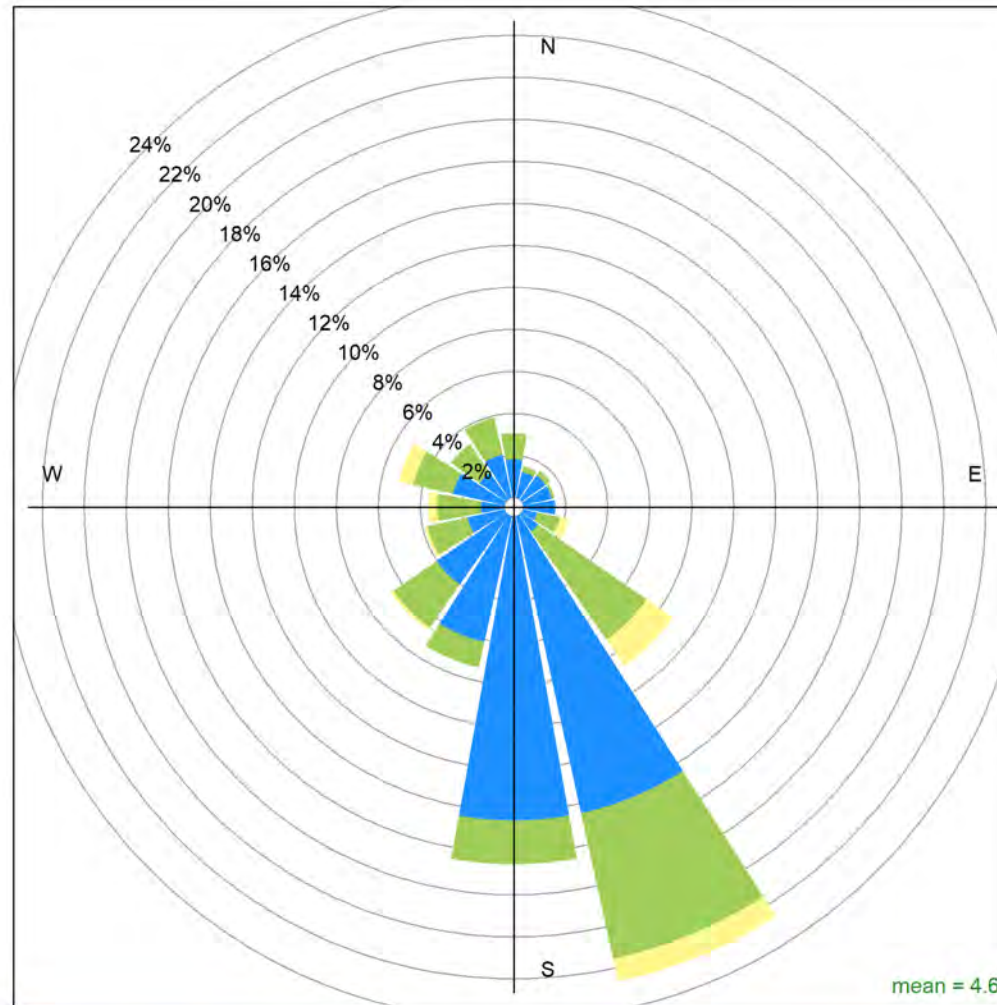


September 2025 Hourly Readings of Wind Direction (in degrees) at Fox Creek



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





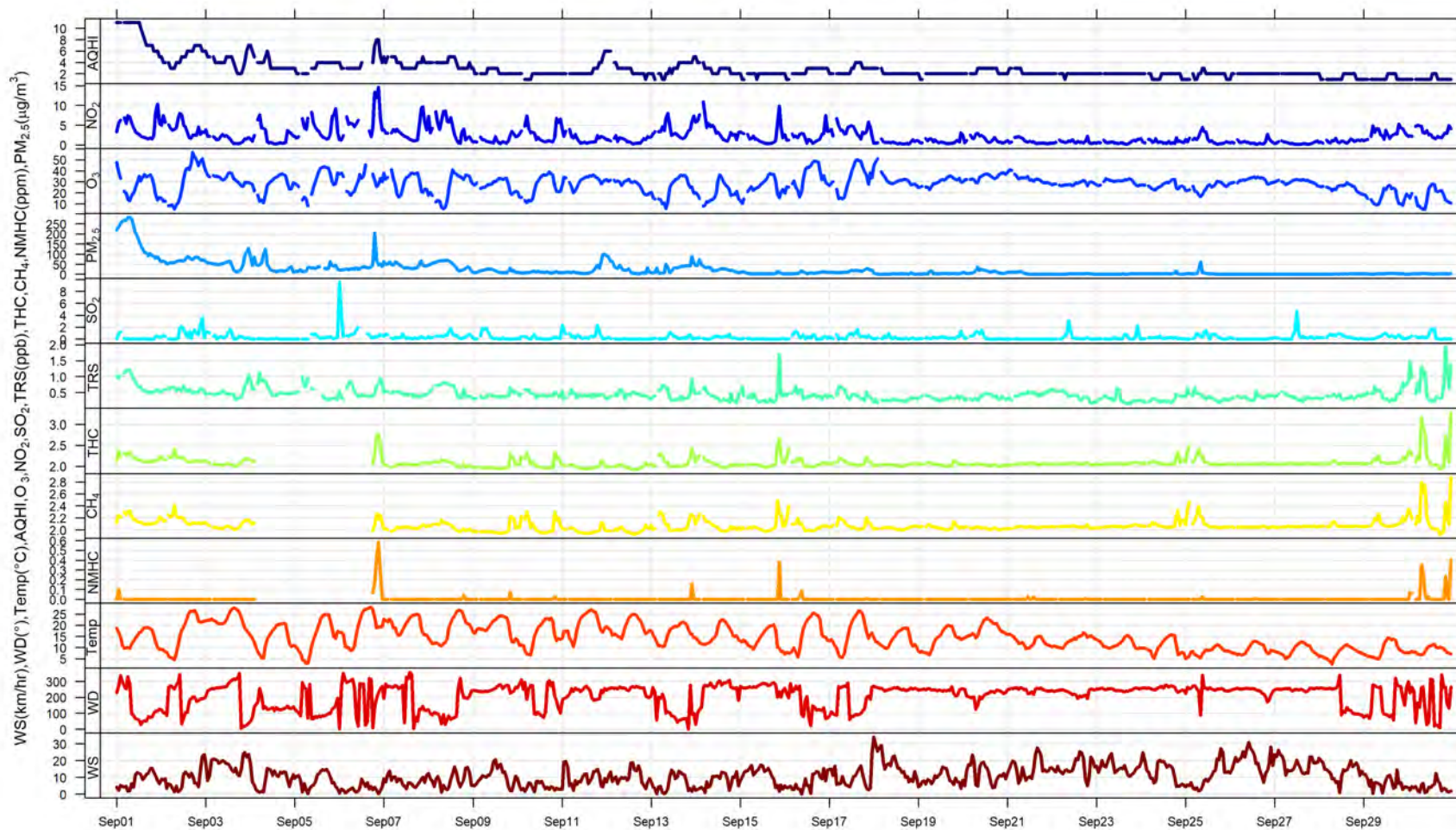
Fox Creek September 2025 Wind Rose, wind speed in km/hr

Calms (<1km/hr) = 6.7 %

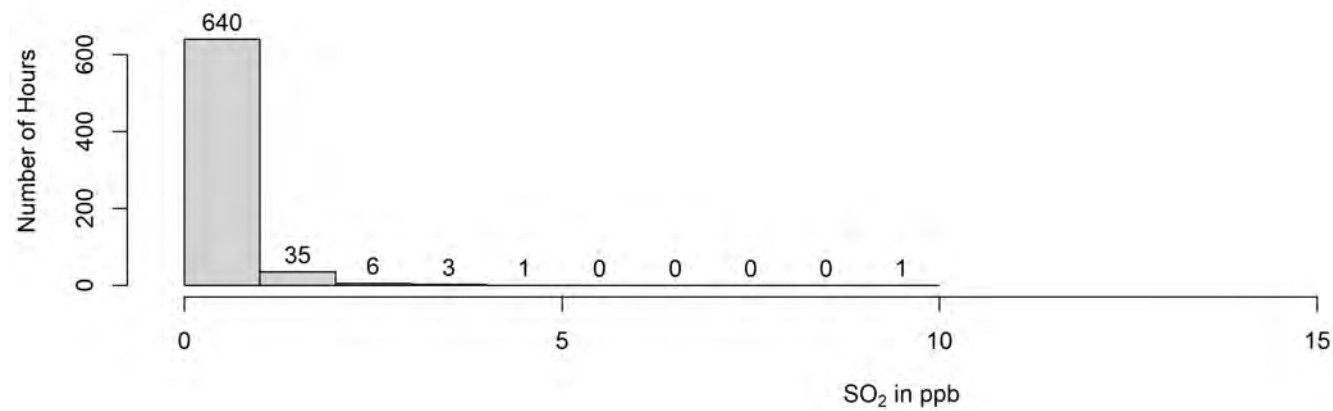
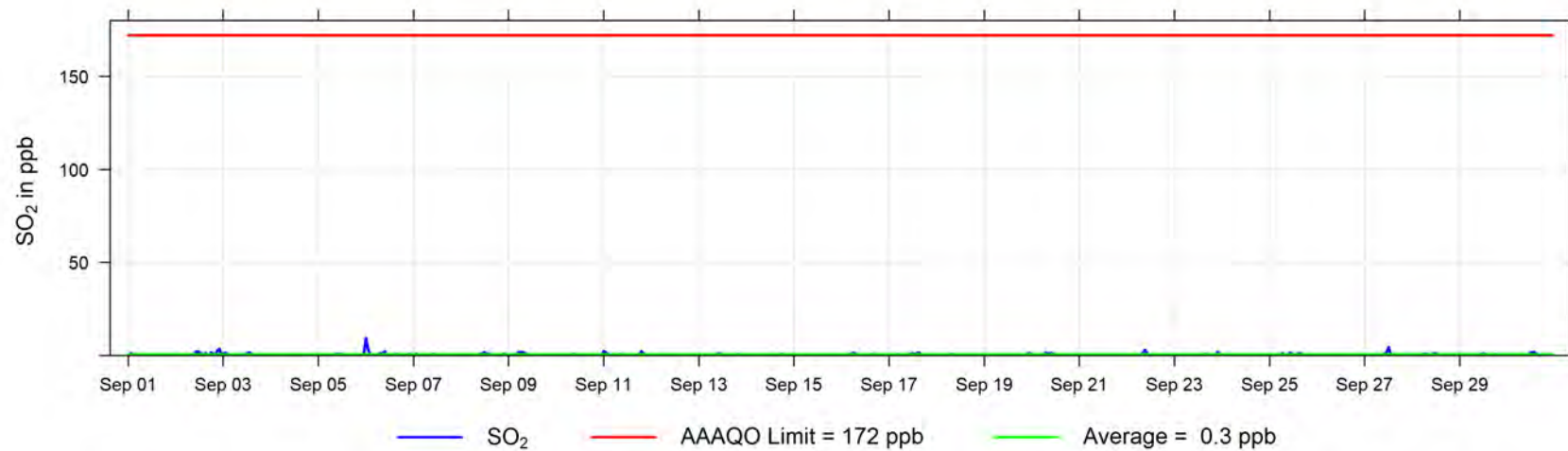
8 Happy Valley (Portable) Charts

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

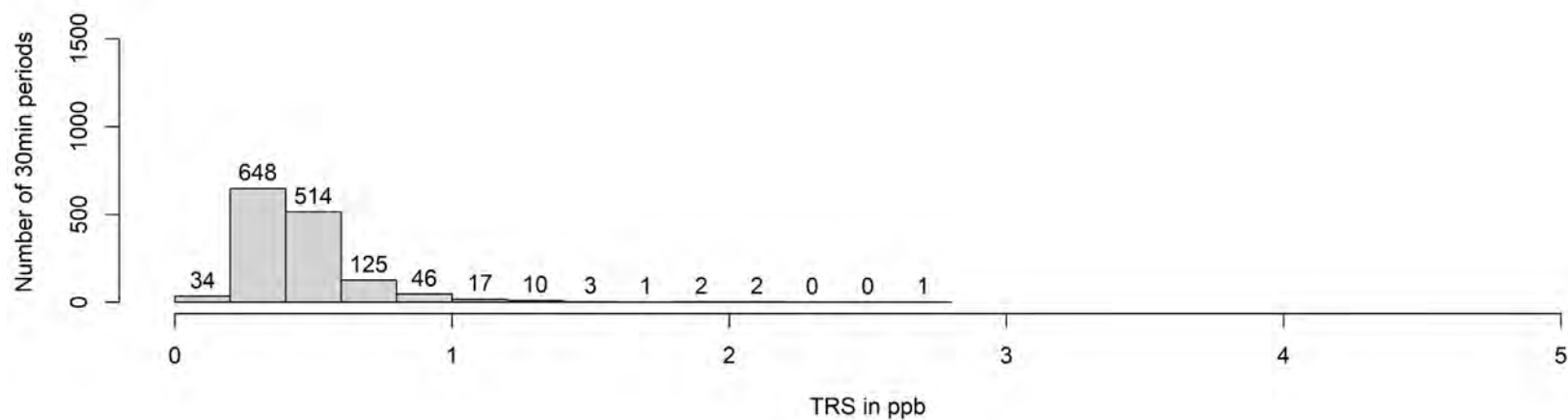
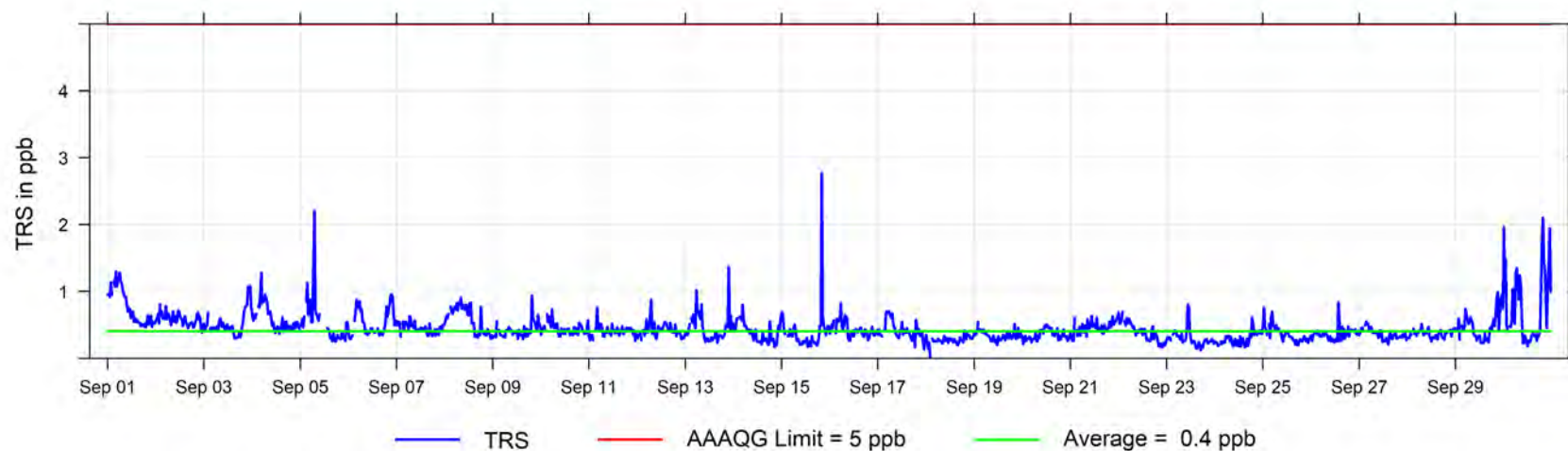
September 2025 Concentration Readings at Happy Valley Station



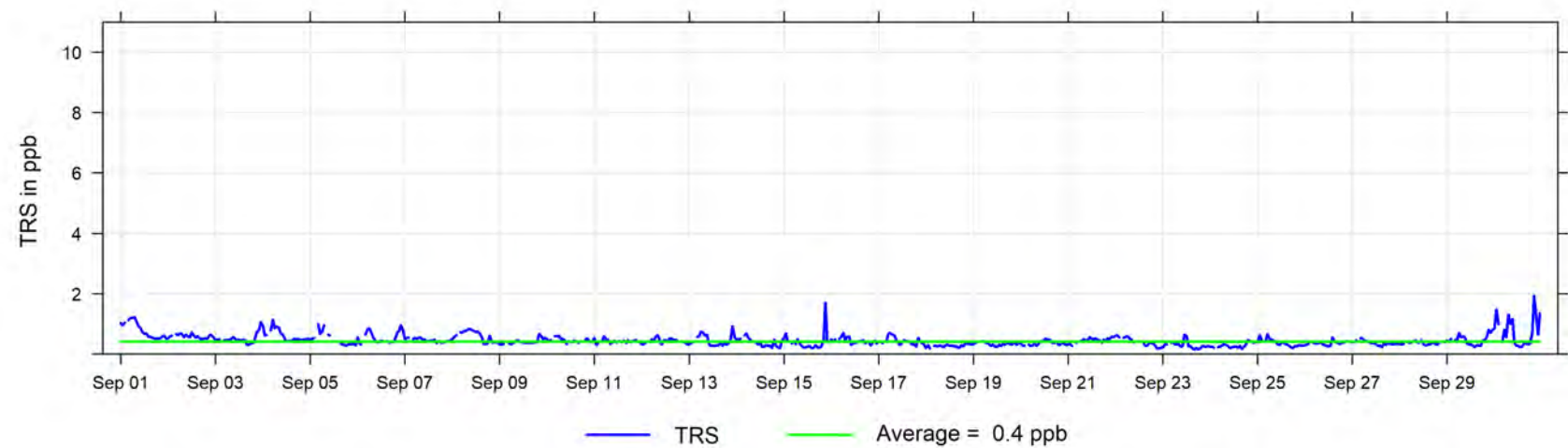
September 2025 Hourly Concentration Readings of SO₂ (in ppb) at Happy Valley



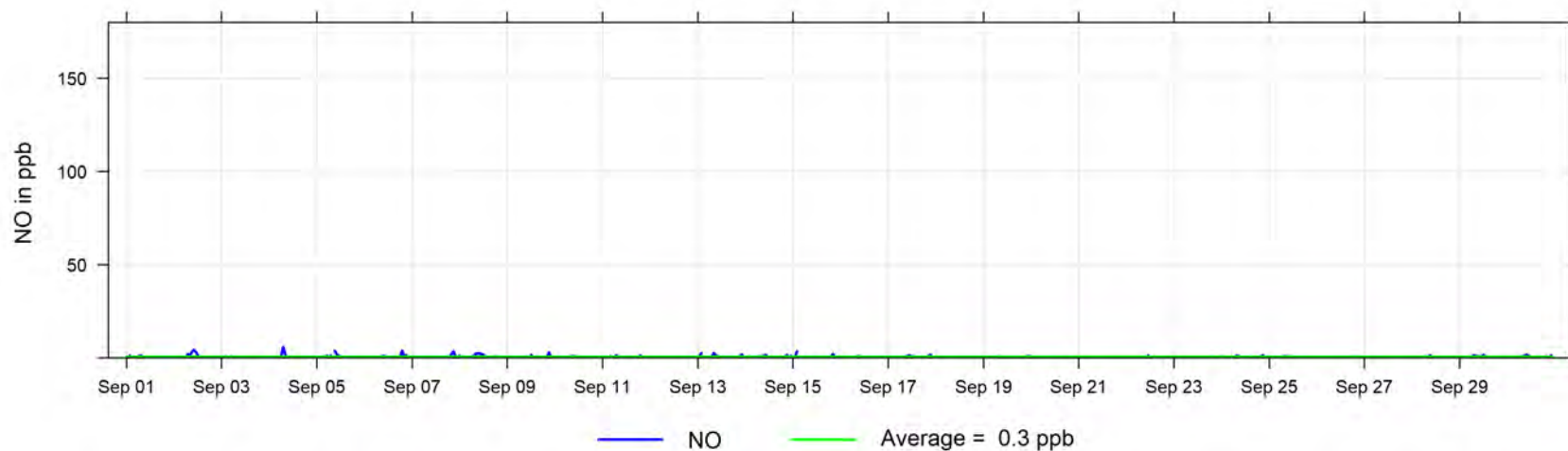
September 2025 30 min Concentration Readings of TRS (in ppb) at Happy Valley



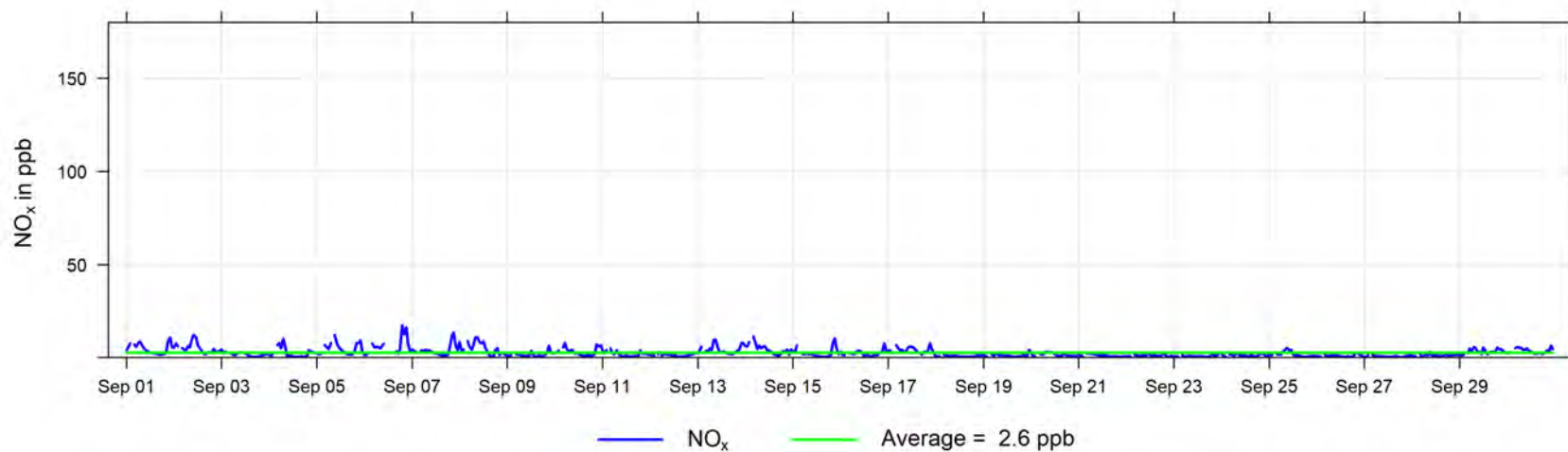
September 2025 Hourly Concentration Readings of TRS (in ppb) at Happy Valley



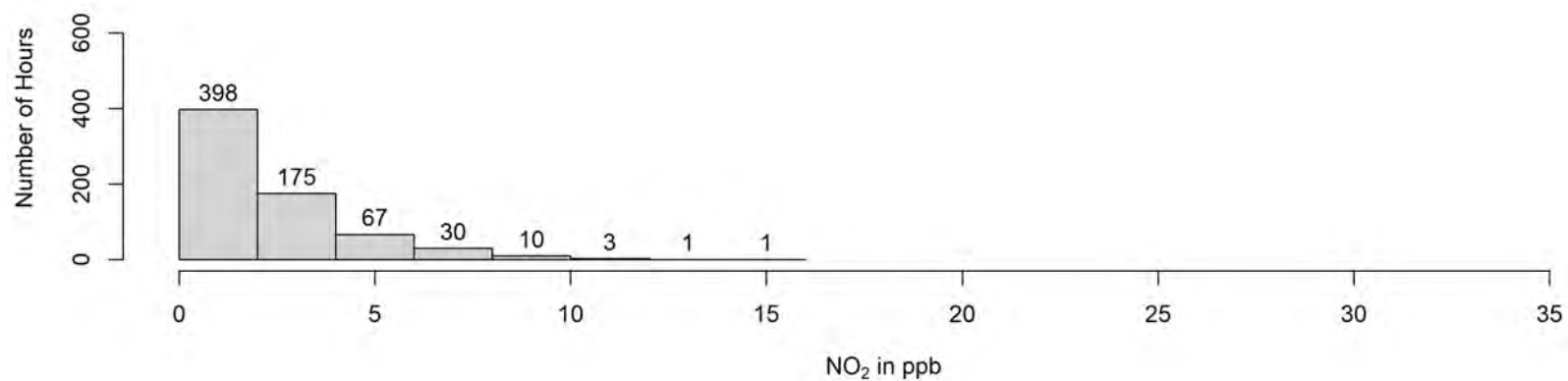
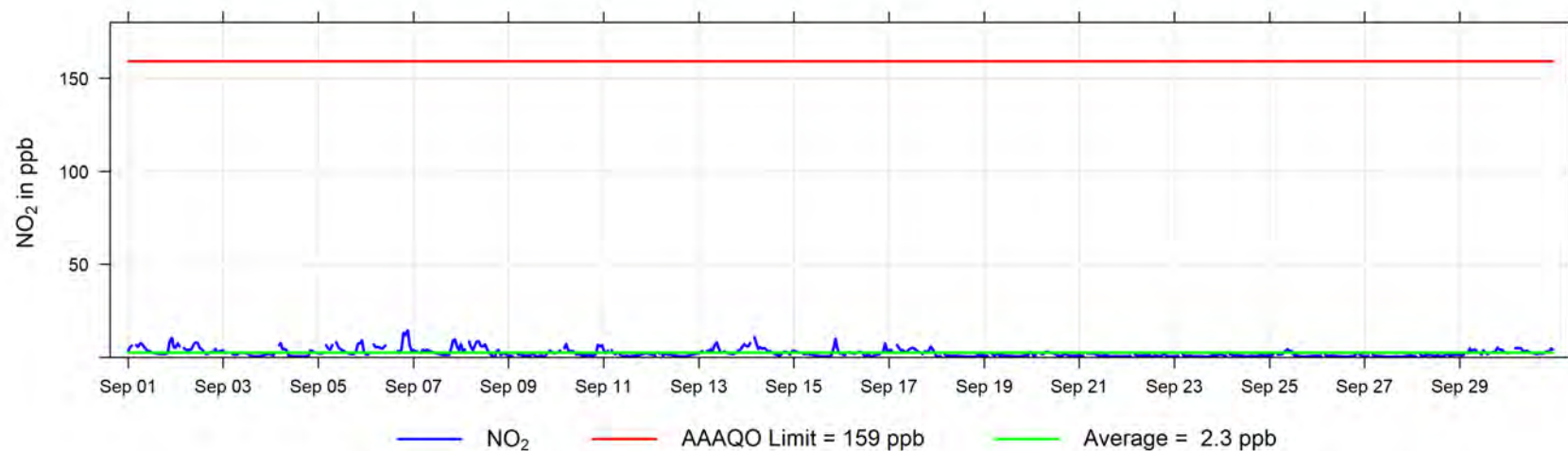
September 2025 Hourly Concentration Readings of NO (in ppb) at Happy Valley



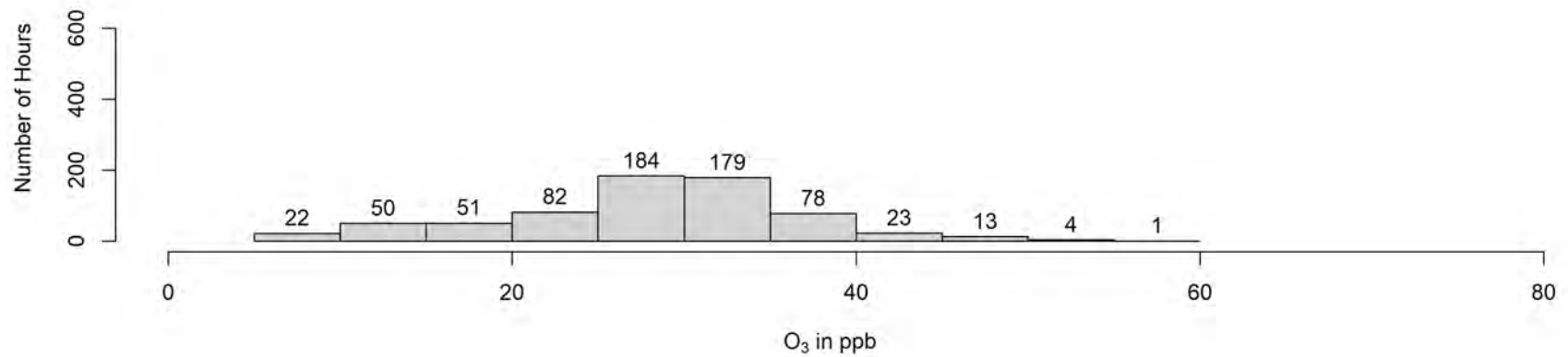
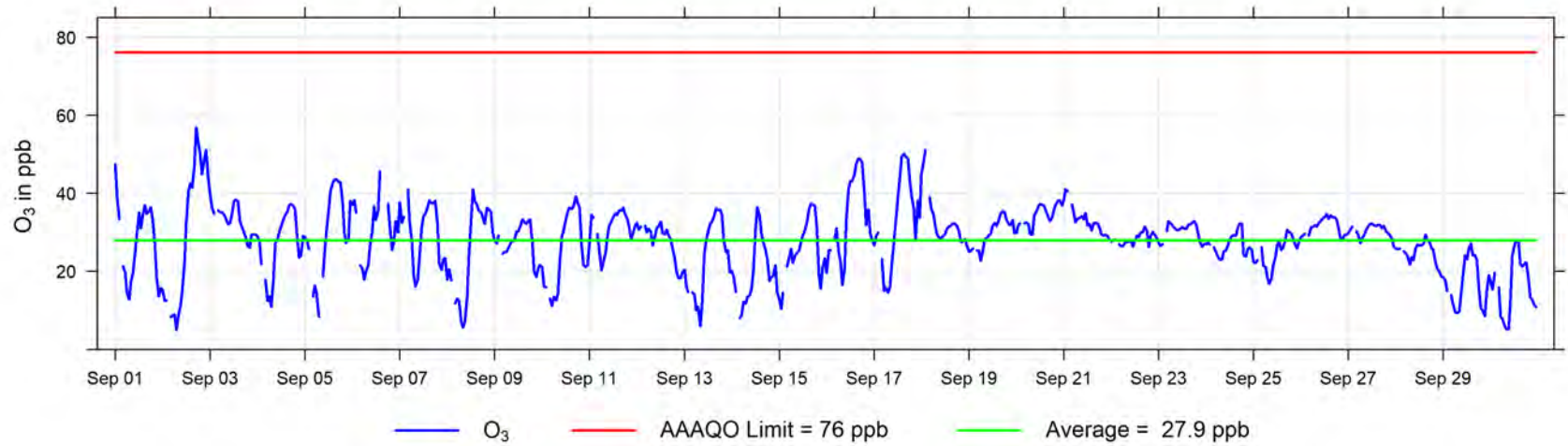
September 2025 Hourly Concentration Readings of NO_x (in ppb) at Happy Valley



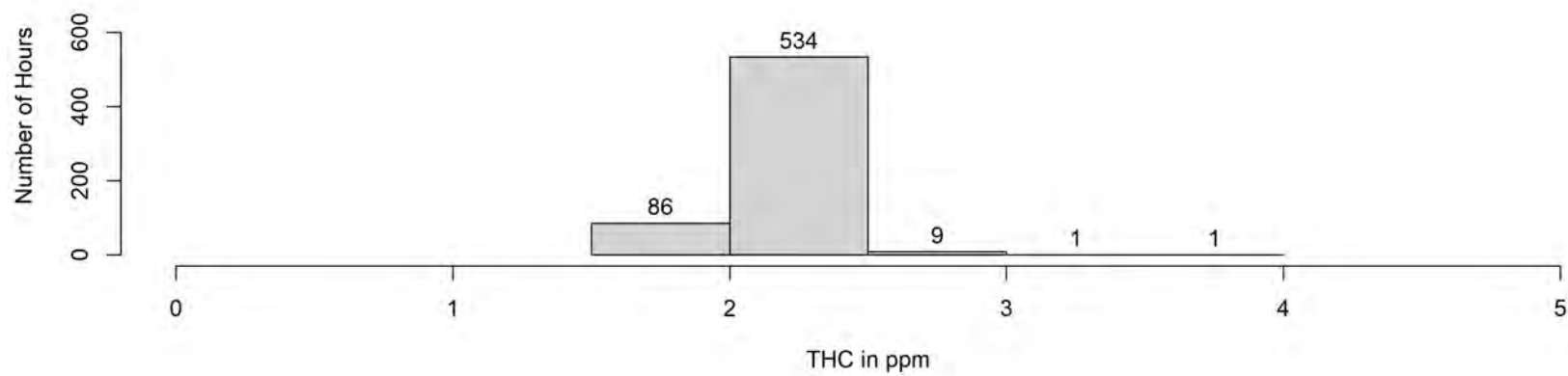
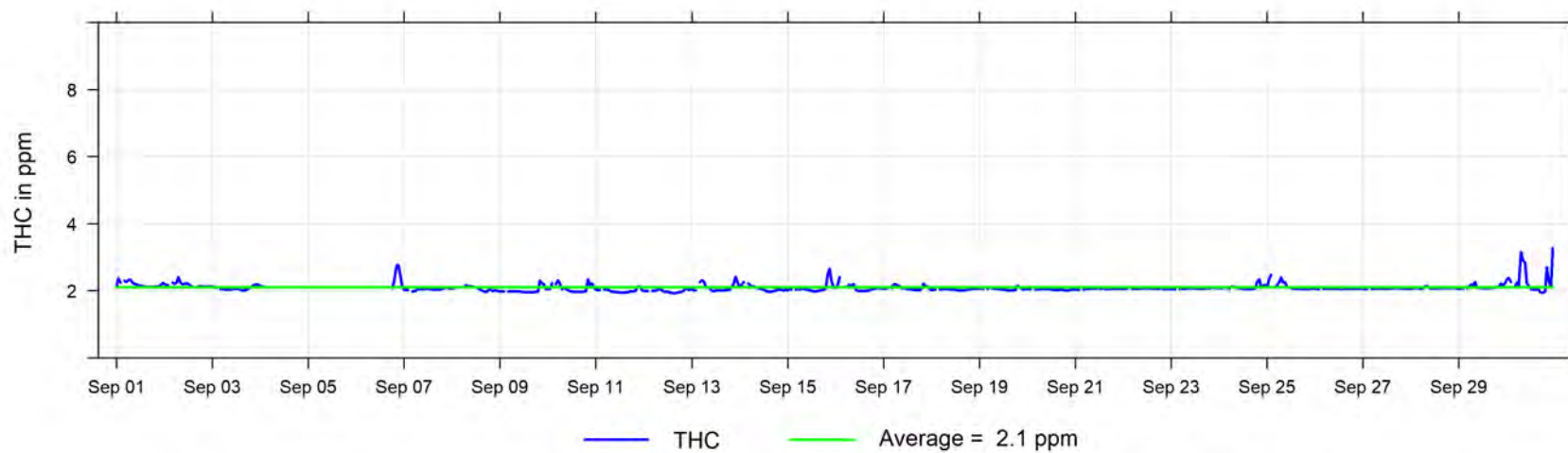
September 2025 Hourly Concentration Readings of NO₂ (in ppb) at Happy Valley



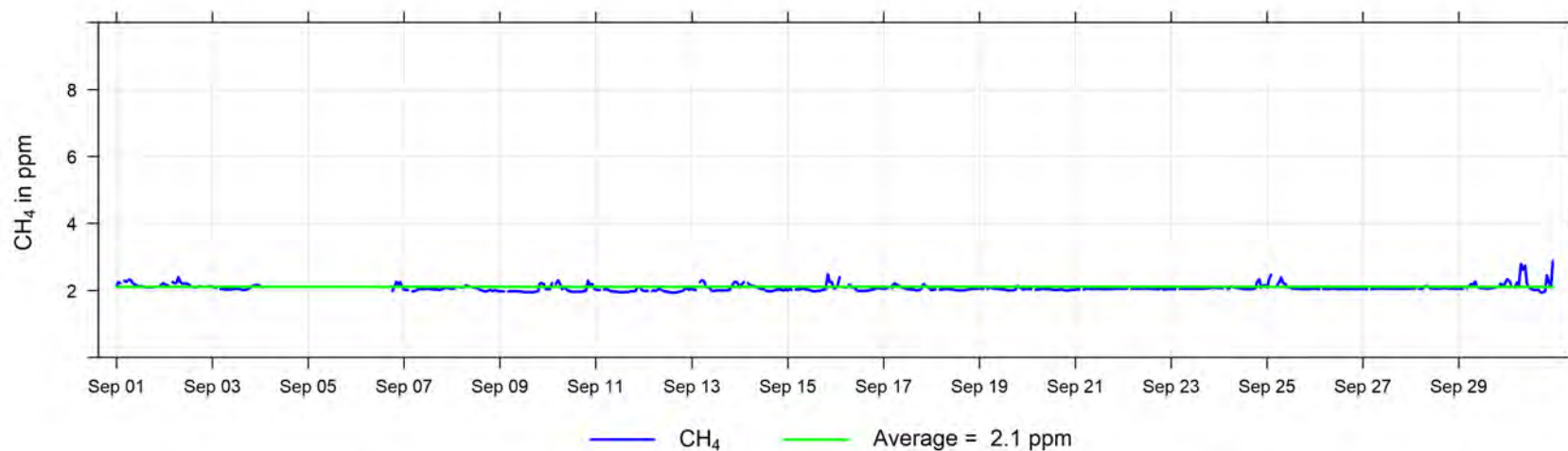
September 2025 Hourly Concentration Readings of O₃ (in ppb) at Happy Valley



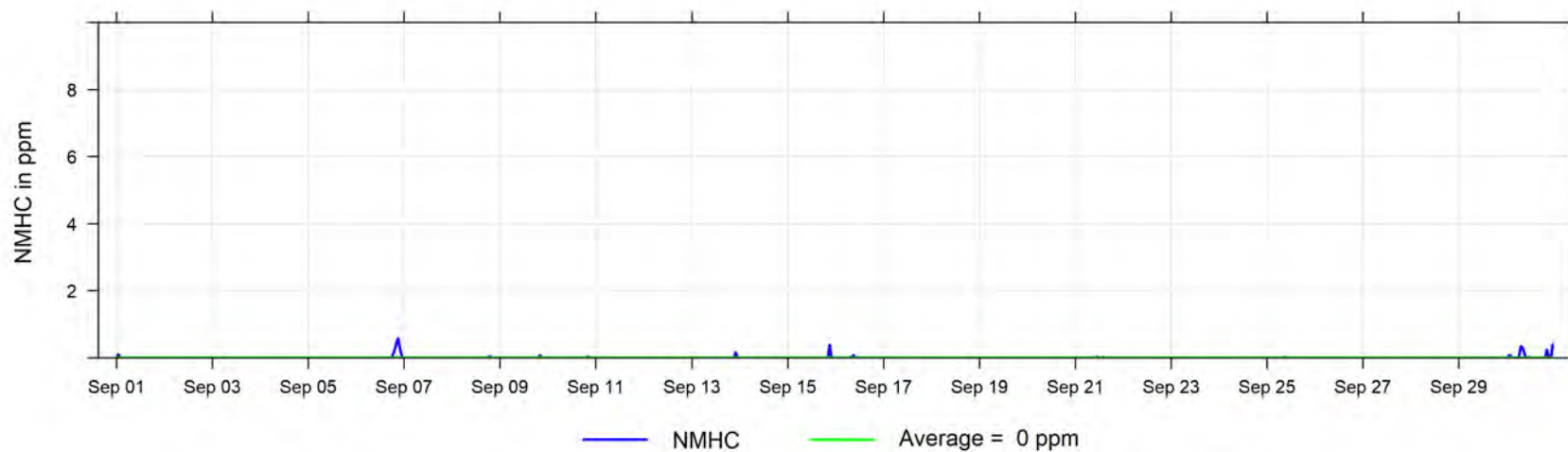
September 2025 Hourly Concentration Readings of THC (in ppm) at Happy Valley



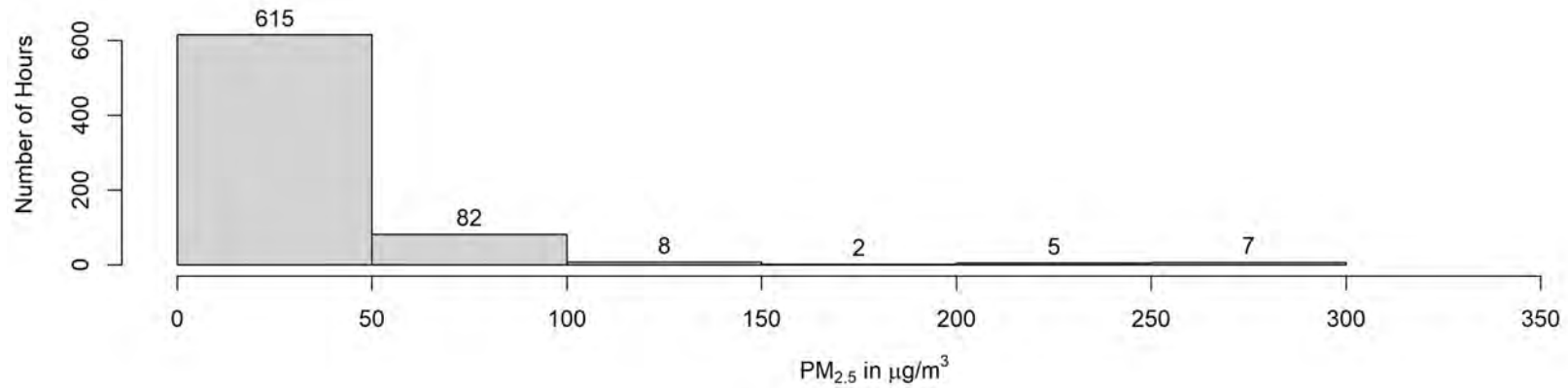
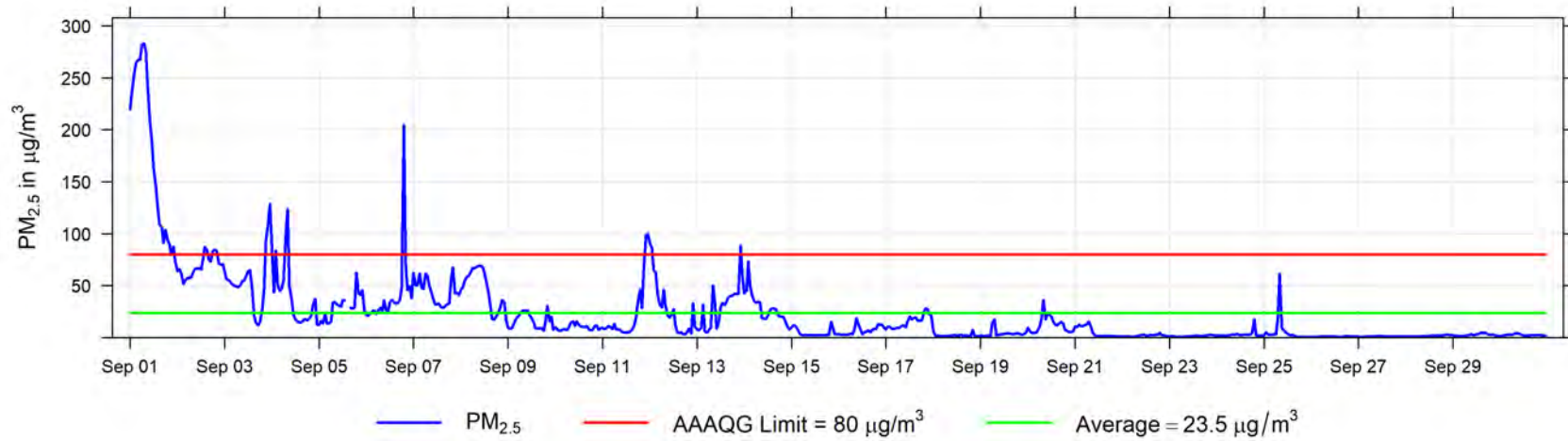
September 2025 Hourly Concentration Readings of CH₄ (in ppm) at Happy Valley



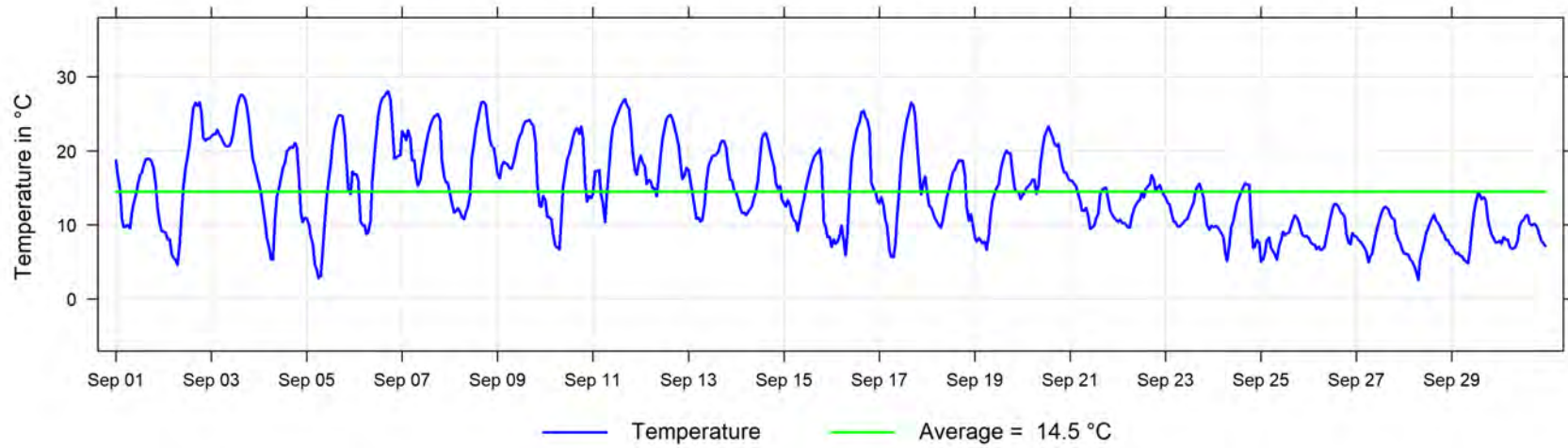
September 2025 Hourly Concentration Readings of NMHC (in ppm) at Happy Valley



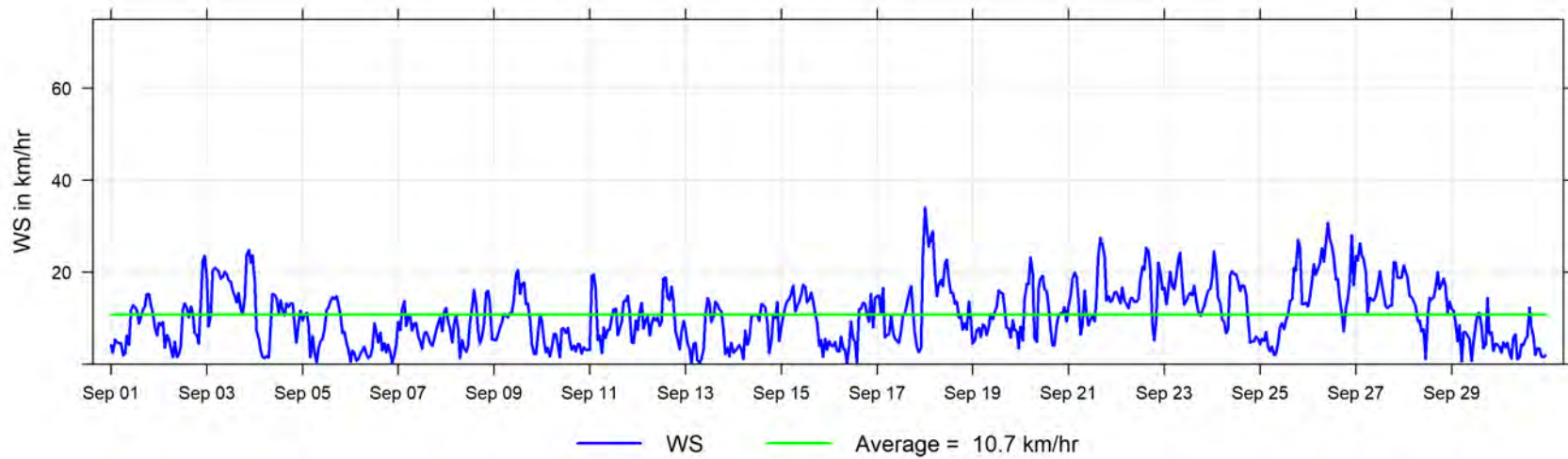
September 2025 Hourly Concentration Readings of PM_{2.5} in $\mu\text{g}/\text{m}^3$ at Happy Valley



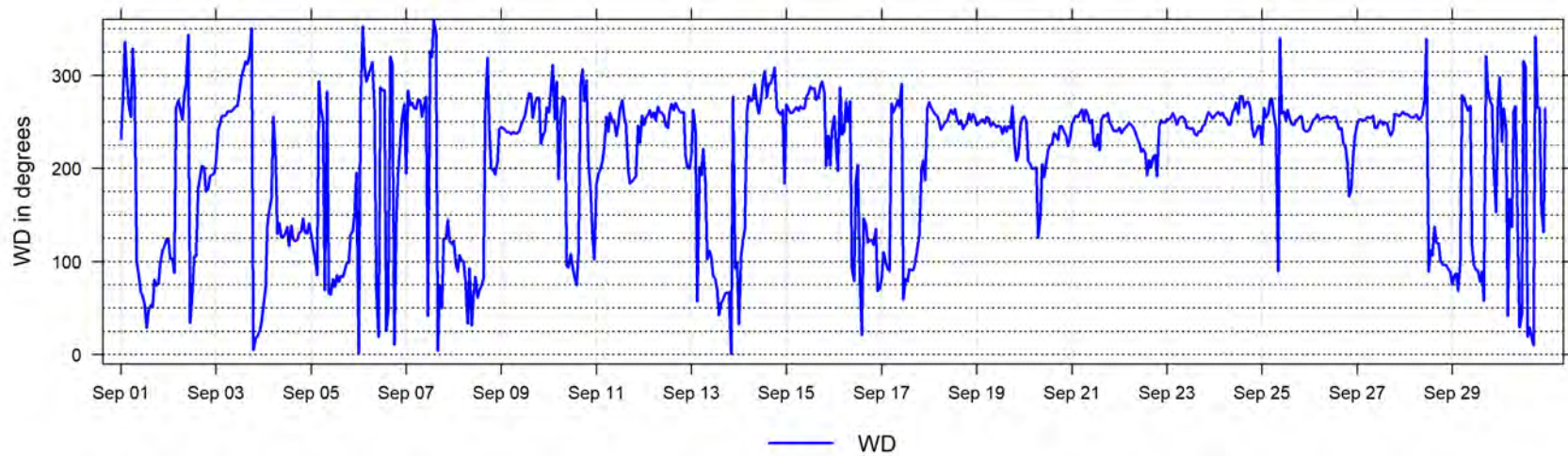
September 2025 Hourly Temperature Readings (in °C) at Happy Valley



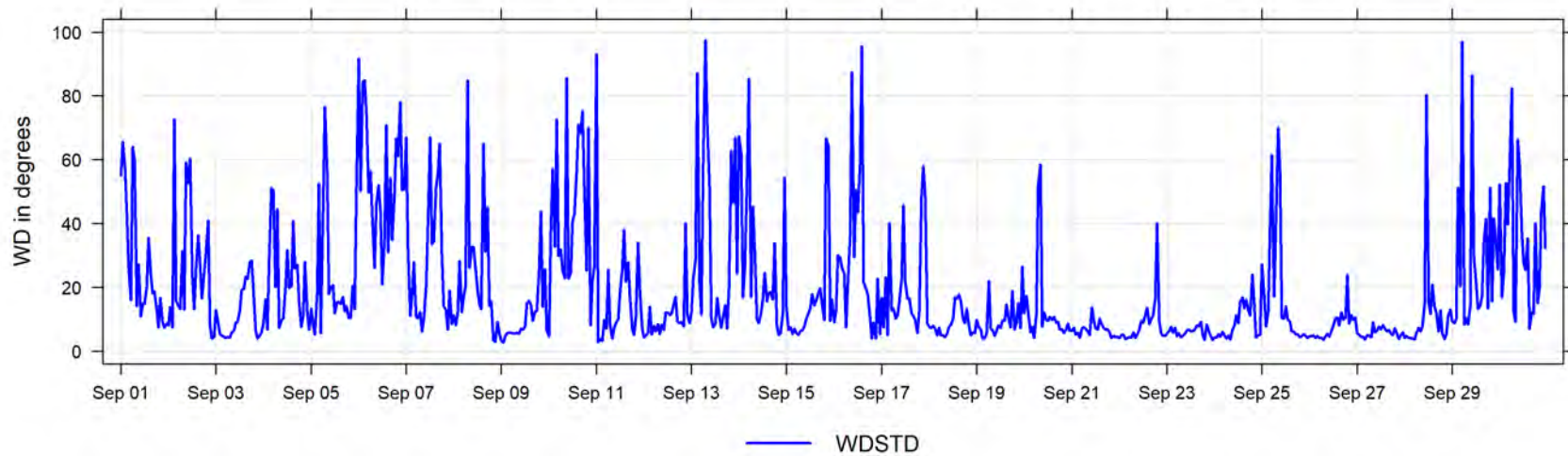
September 2025 Hourly Readings of Wind Speed (in km/hr) at Happy Valley

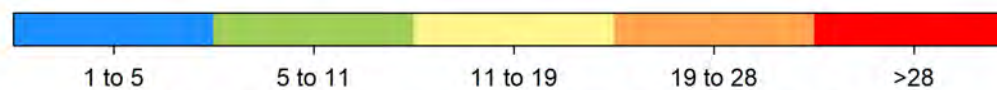
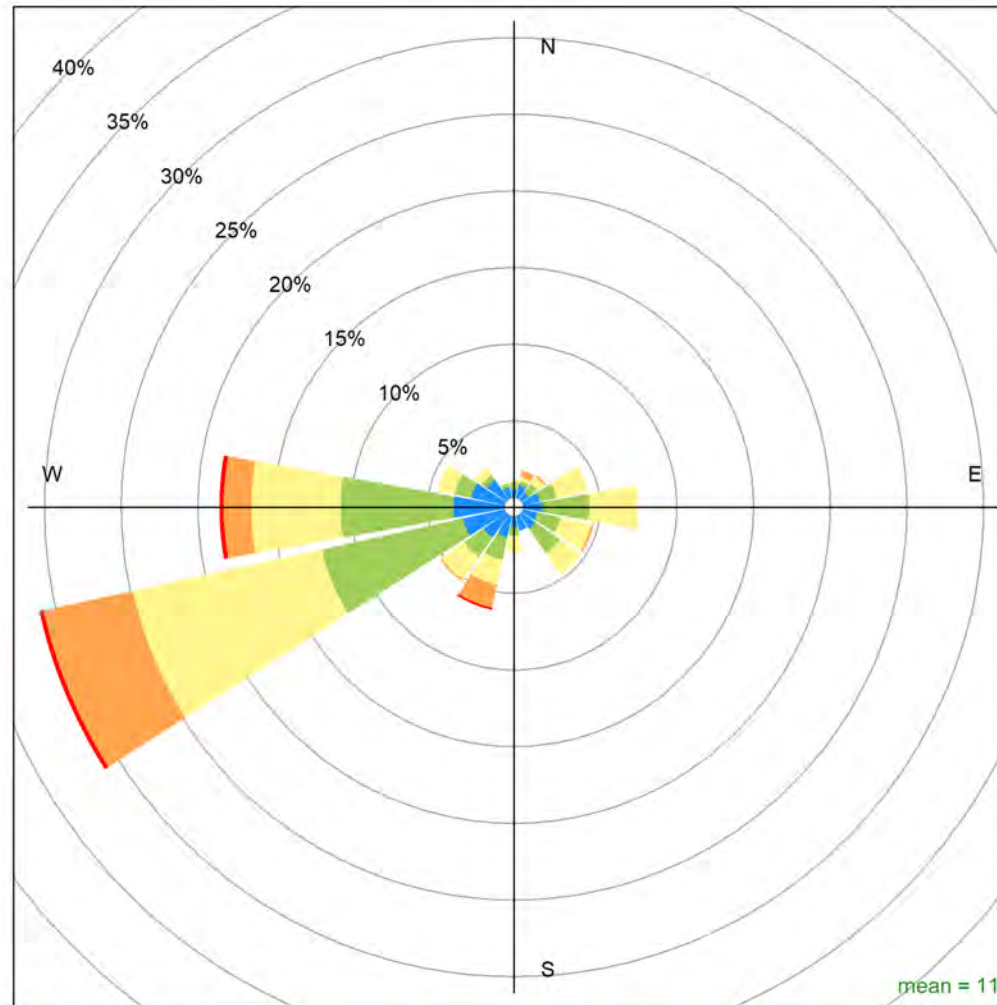


September 2025 Hourly Readings of Wind Direction (in degrees) at Happy Valley



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

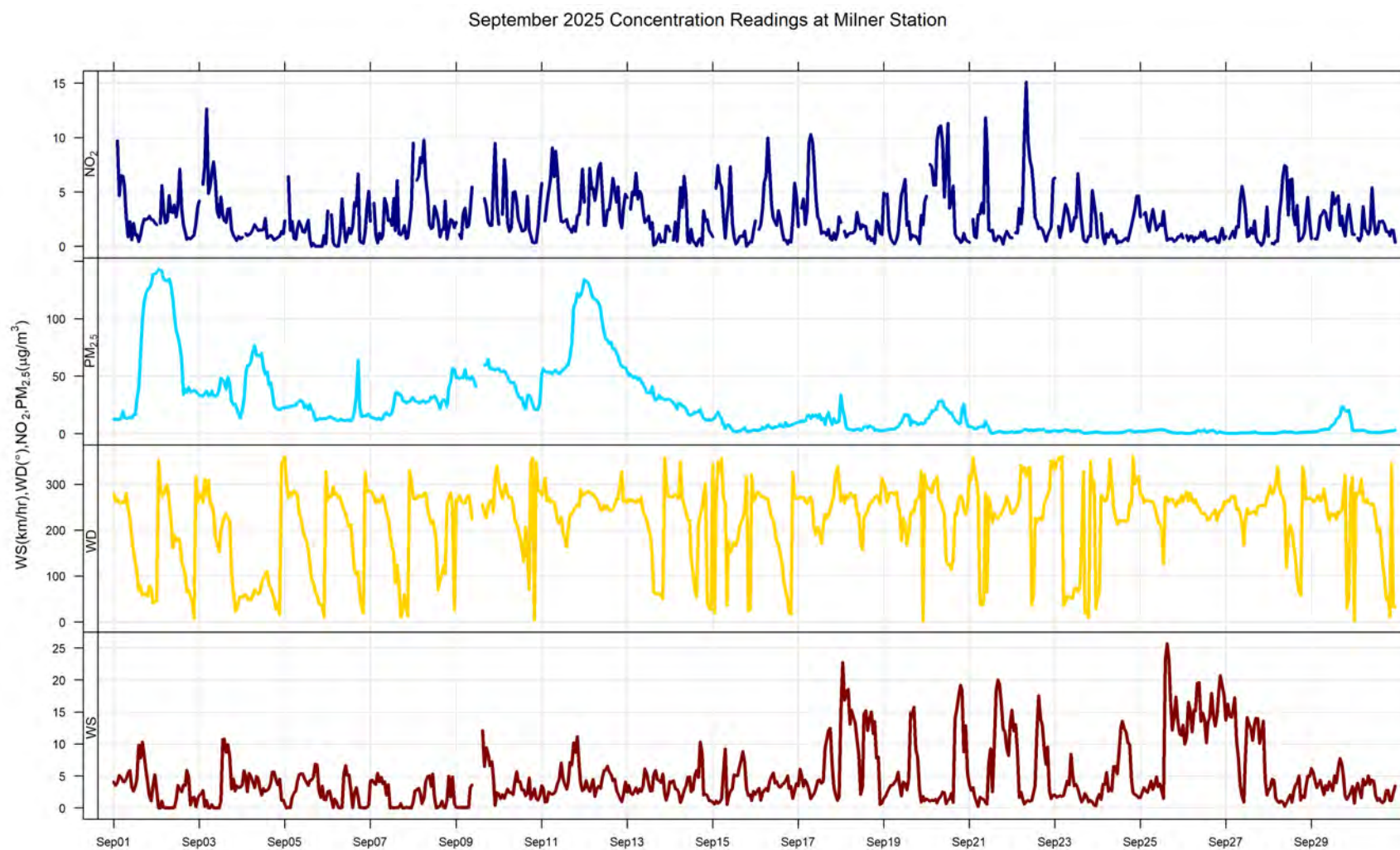




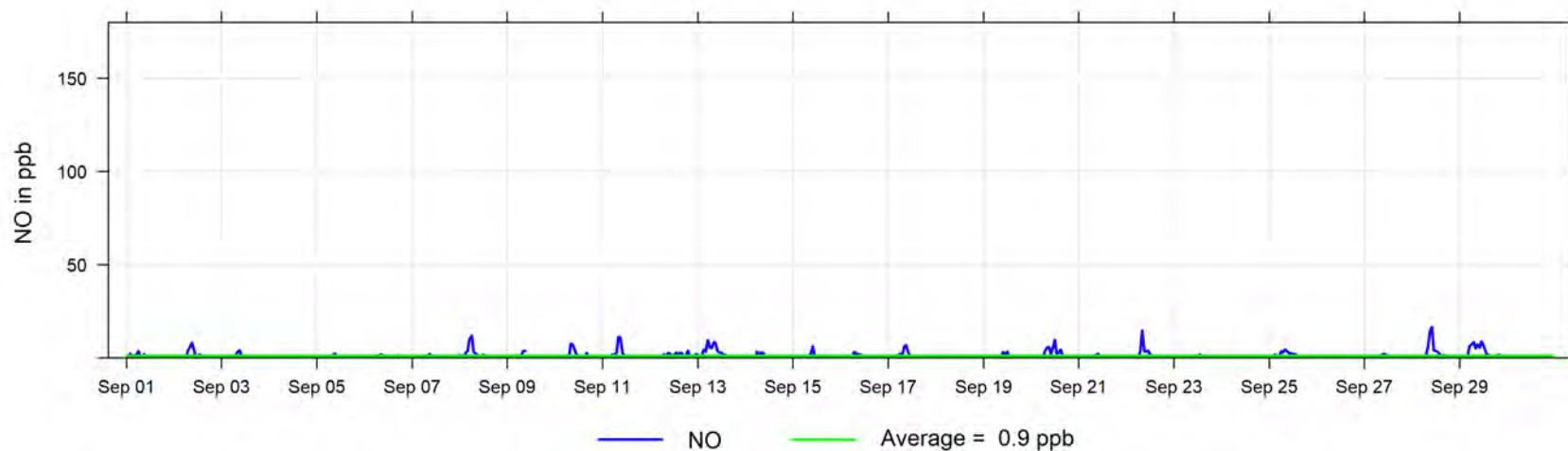
Happy Valley September 2025 Wind Rose, wind speed in km/hr
Calms (<1km/hr) = 1.5 %

9 Milner Charts

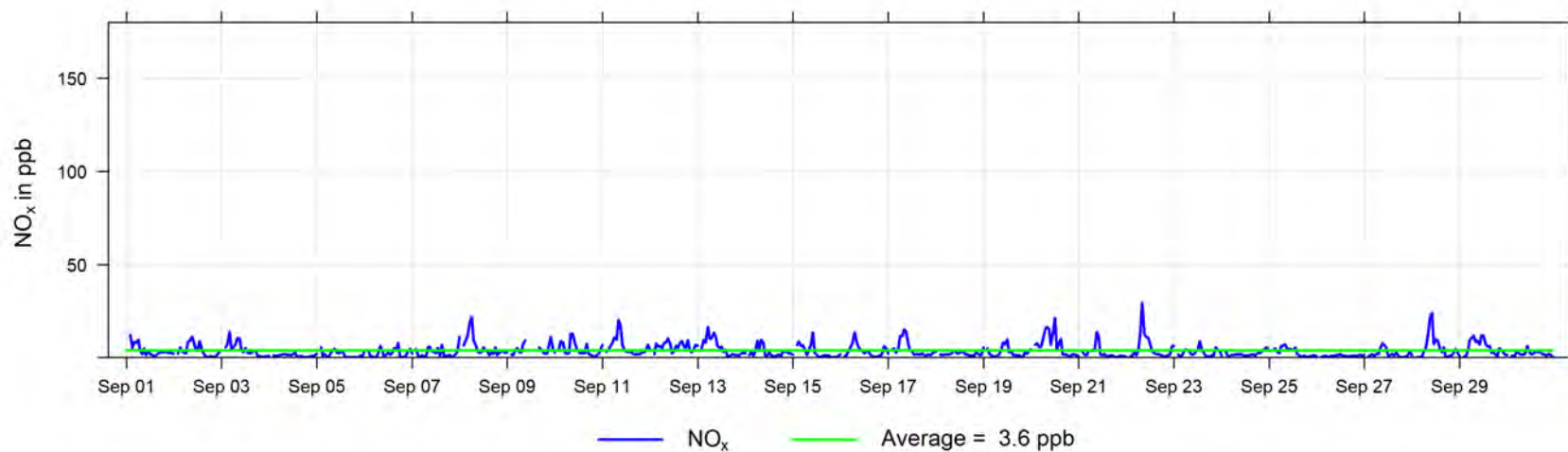
The following pages include the charts and histograms for Milner Station



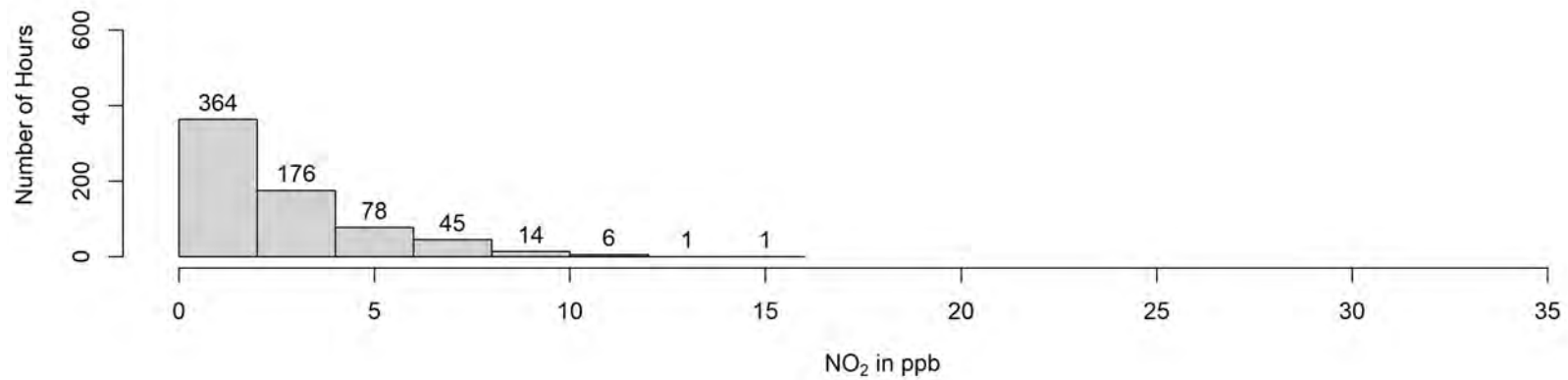
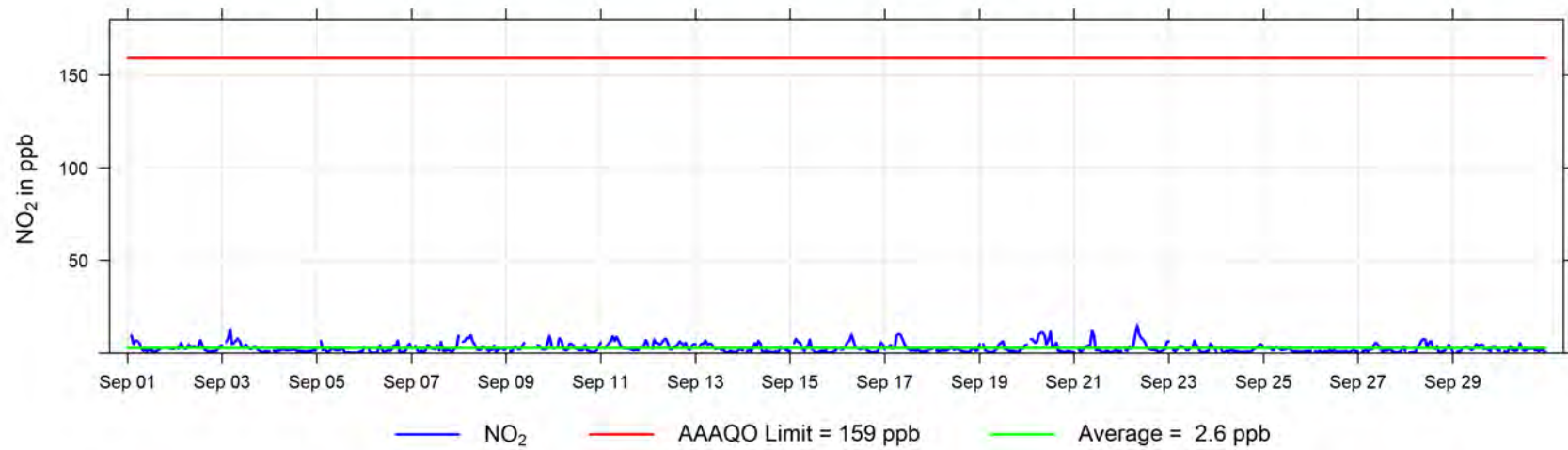
September 2025 Hourly Concentration Readings of NO (in ppb) at Milner



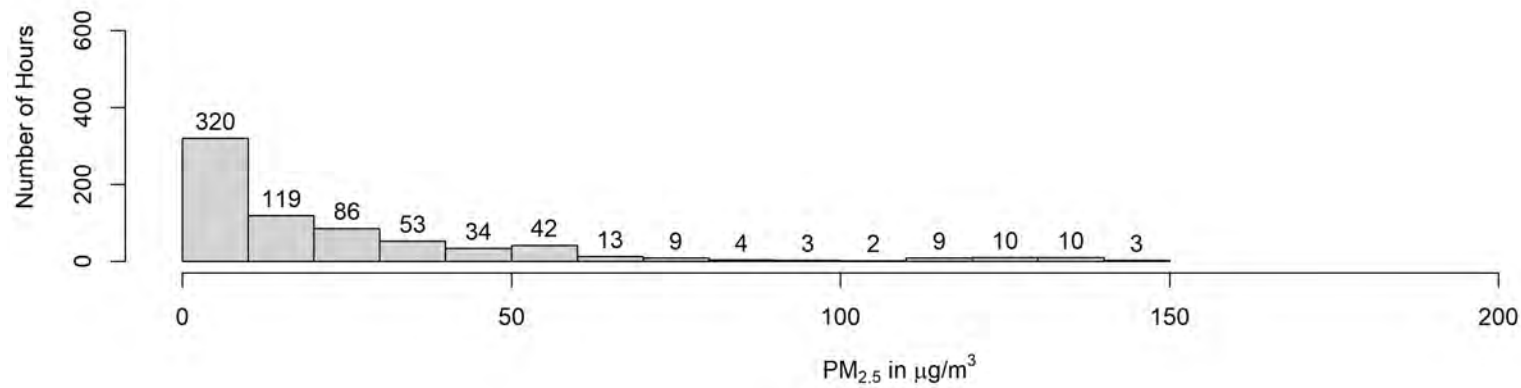
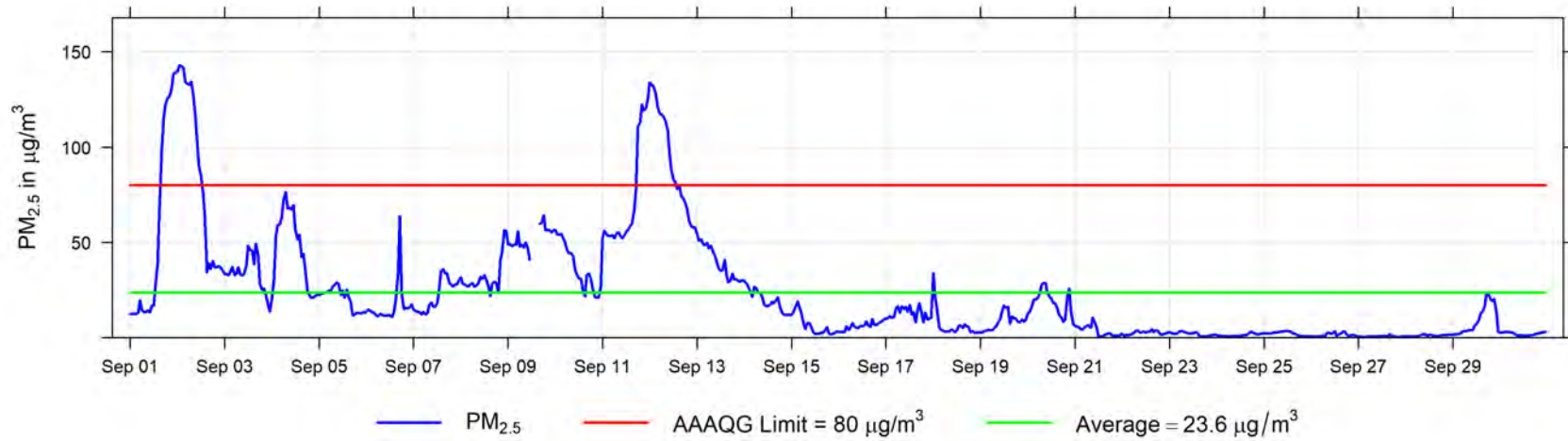
September 2025 Hourly Concentration Readings of NO_x (in ppb) at Milner



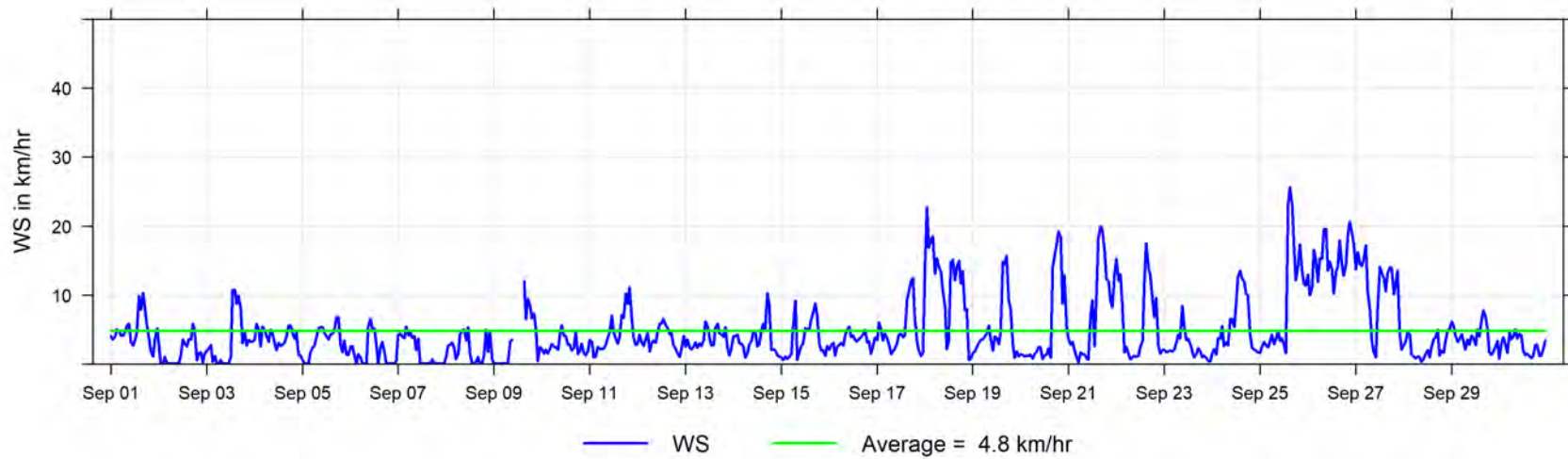
September 2025 Hourly Concentration Readings of NO₂ (in ppb) at Milner



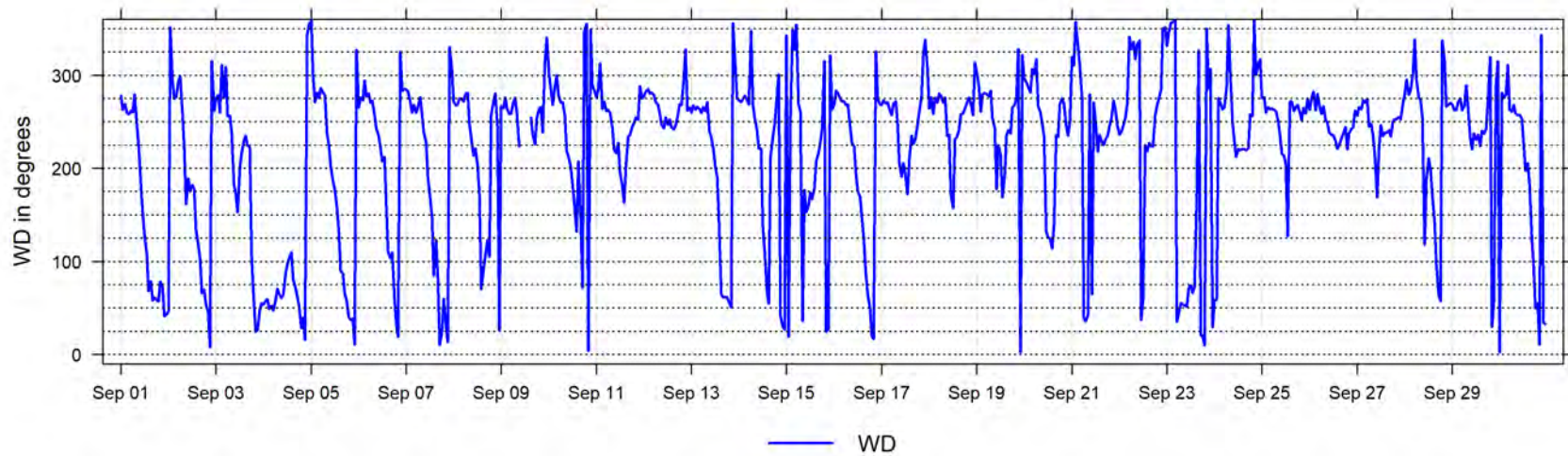
September 2025 Hourly Concentration Readings of PM_{2.5} in µg/m³ at Milner



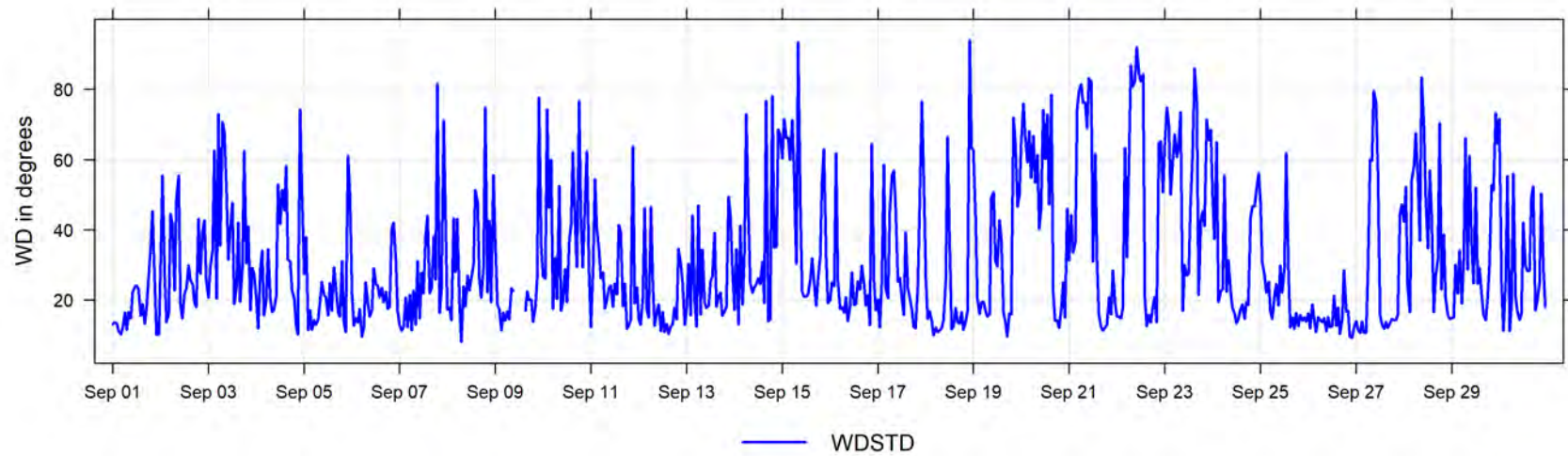
September 2025 Hourly Readings of Wind Speed (in km/hr) at Milner

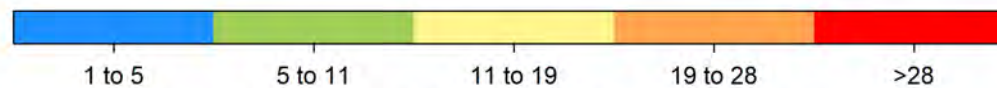
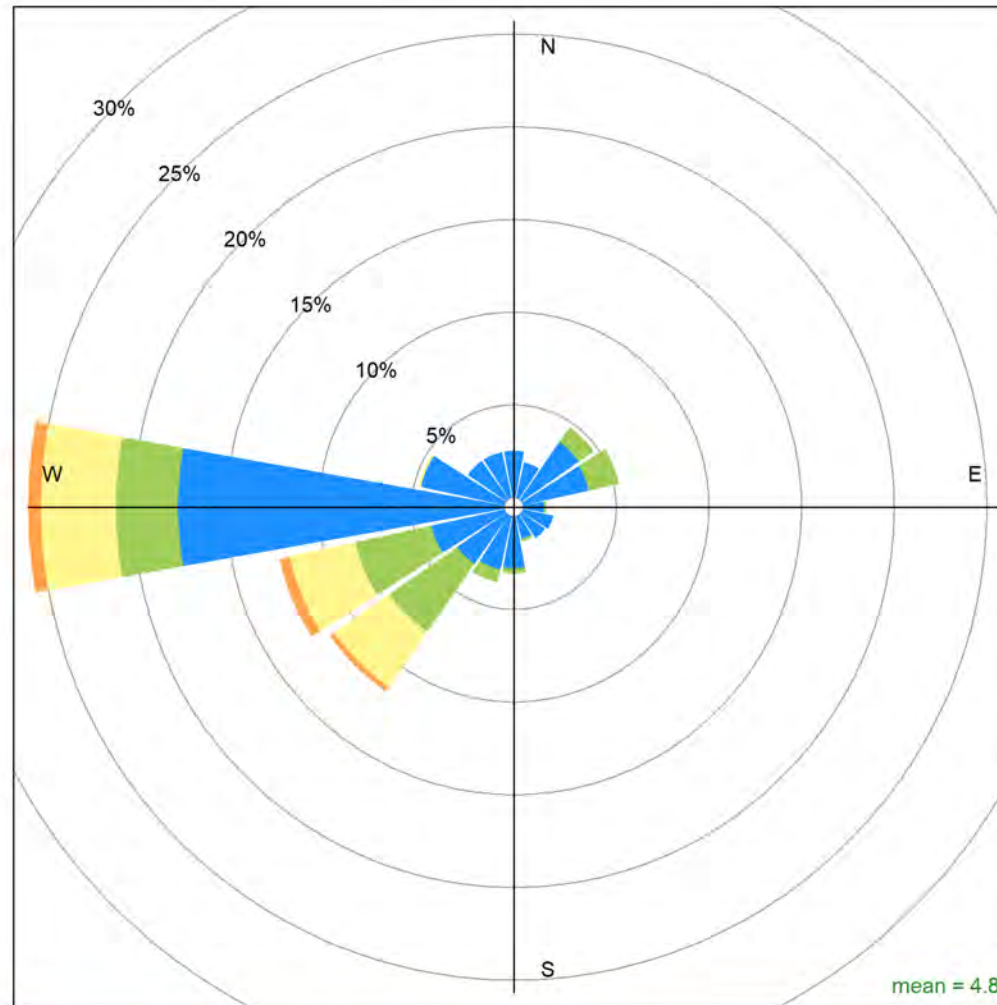


September 2025 Hourly Readings of Wind Direction (in degrees) at Milner



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





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

Calms (<1km/hr) = 13.4 %

10 Passive Monitoring Data

Peace Airshed Zone Association - PAZA Passive Stations for September 2025

Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
Duplicates						
7a	Steeprock Creek	0.2				09-35-072-13 W6M
7b	Steeprock Creek	0.2				
14a	Sylvester	0.1				08-06-069-12 W6M
14b	Sylvester	0.1				
16a	Beaverlodge			1.6		15-36-071-10 W6M
16b	Beaverlodge			1.6		
25a	Pinto Creek			0.6		04-24-069-11 W6M
25b	Pinto Creek			0.7		
37a	Crooked Creek		19.2			16-01-071-26 W5M
37b	Crooked Creek		20.0			
40a	McLennan			1.0		03-29-077-19 W5M
40b	McLennan			1.1		
44a	Peavine			0.5		03-05-079-15 W5M
44b	Peavine			0.4		
45a	Gift Lake	0.1				10-07-079-12 W5M
45b	Gift Lake	0.1				
50a	East Prairie	0.1				11-13-079-08 W6M
50b	East Prairie	0.0				
G3a	Girouxville 3				0.51	14-02-077-23 W5M
G3b	Girouxville 3				0.48	
D4a	Duvernay 4	1.0			0.28	04-33-062-20 W5M
D4b	Duvernay 4	0.8			0.29	
K1a	Kakwa 1			1.2		01-13-063-05 W6M
K1b	Kakwa 1			1.4		
K3a	Kakwa 3	3.2				12-18-063-04 W6M
K3b	Kakwa 3	2.9				
K4a	Kakwa 4				0.20	06-18-063-04 W6M
K4b	Kakwa 4				0.19	
M10a	Milner Powerline			1.1		06-14-058-08 W6M
M10b	Milner Powerline			1.4		
M9Aa	Milner Pipeline	<0.1				12-14-058-08 W6M
M9Ab	Milner Pipeline	<0.1				
J1Da	Jayar1 Plant			1.1		06-08-062-03 W6M
J1Db	Jayar1 Plant			1.0		
J2Da	Jayar2 14-8	0.6				07-08-062-03 W6M
J2Db	Jayar2 14-8	0.6				
J5Da	Jayar5 Camp				0.21	11-08-062-03 W6M
J5Db	Jayar5 Camp				0.27	

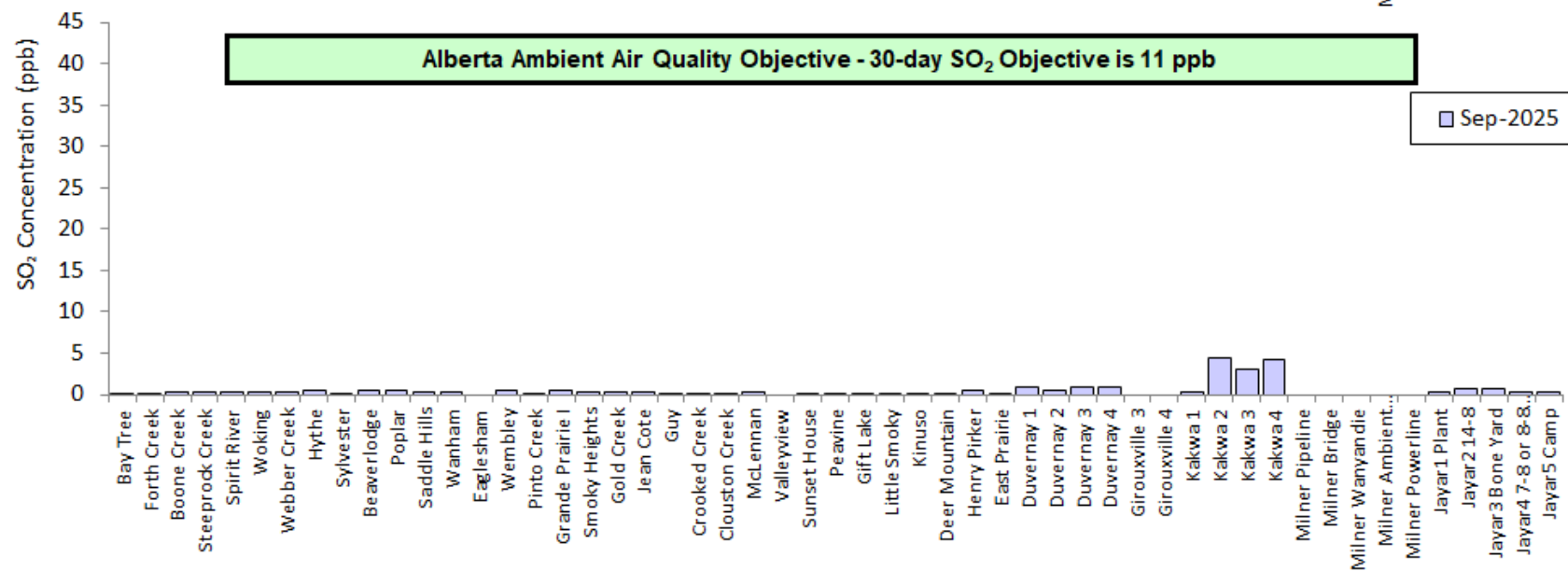
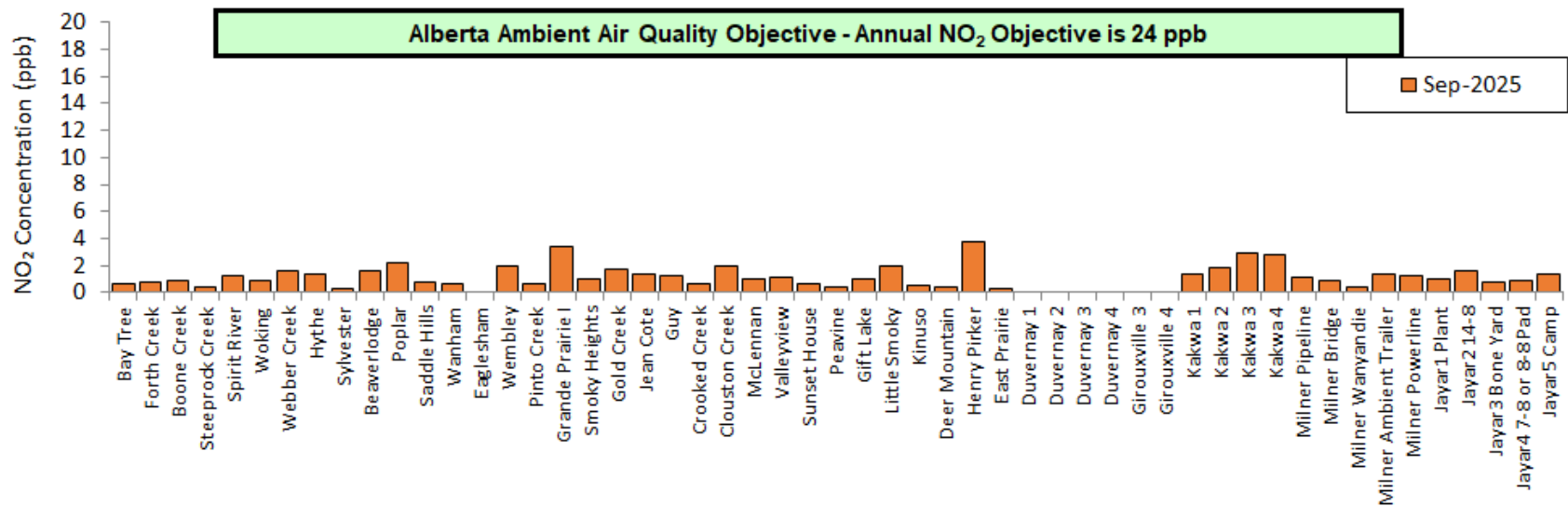
Station Number	Station Name	SO2 ppb	O3 ppb	NO2 ppb	H2S ppb	LSD
1	Silver Valley	0.3	-	0.9	-	08-27-081-11 W6M
2	Bay Tree	0.2	29.1	0.6	-	13-16-078-13 W6M
3	Forth Creek	0.1	-	0.7	-	04-13-082-07 W6M
5	Boone Creek	0.4	-	0.8	-	01-23-076-11 W6M
7	Steeprock Creek	0.2	-	0.4	-	09-35-072-13 W6M
9	Spirit River	0.4	-	1.2	-	08-12-079-07 W6M
10	Woking	0.4	-	0.8	-	01-13-076-07 W6M
11	Webber Creek	0.3	-	1.6	-	09-36-074-09 W6M
12	Hythe	0.4	-	1.4	-	14-36-072-11 W6M
14	Sylvester	0.1	-	0.3	-	08-06-069-12 W6M
16	Beaverlodge	0.4	-	1.6	-	15-36-071-10 W6M
17	Poplar	0.4	-	2.2	-	13-06-073-08 W6M
18	Saddle Hills	0.3	-	0.7	-	04-25-074-07 W6M
19	Wanham	0.4	-	0.6	-	16-22-077-03 W6M
21	Eaglesham	Damaged	-	Damaged	-	16-21-079-25 W5M
24	Wembley	0.4	-	2.0	-	12-31-070-08 W6M
25	Pinto Creek	0.1	-	0.6	-	04-24-069-11 W6M
27	Grande Prairie I	0.5	-	3.4	-	08-15-071-06 W6M
29	Smoky Heights	0.3	-	1.0	-	04-06-075-02 W6M
32	Gold Creek	0.3	-	1.8	-	06-33-067-05 W6M
35	Jean Cote	0.3	-	1.4	-	12-35-079-21 W5M
36	Guy	0.1	-	1.2	0.2	03-04-076-22 W5M
37	Crooked Creek	0.2	19.6	0.6	-	16-01-071-26 W5M
39	Clouston Creek	0.1	-	1.9	-	12-01-073-22 W5M
40	McLennan	0.3	-	1.0	-	03-29-077-19 W5M
41	Valleyview	Damaged	-	1.1	-	09-30-069-22 W5M
42	Sunset House	0.2	-	0.6	-	05-32-070-19 W5M
44	Peavine	0.1	-	0.4	-	03-05-079-15 W5M
45	Gift Lake	0.1	-	1.1	-	10-07-079-12 W5M
46	Little Smoky	0.1	-	1.9	-	12-01-065-21 W5M
47	Kinuso	0.1	27.4	0.5	-	12-10-073-10 W5M
48	Deer Mountain	0.1	-	0.4	-	15-22-068-09 W5M
49	Henry Pirker	0.5	-	3.8	-	17-26-071-06 W6M
50	East Prairie	0.1	-	0.3	-	11-13-079-08 W6M
D1	Duvernay 1	0.9	-	-	0.21	04-33-062-20 W5M
D2	Duvernay 2	0.5	-	-	0.23	04-33-062-20 W5M
D3	Duvernay 3	0.9	-	-	0.29	04-33-062-20 W5M
D4	Duvernay 4	0.9	-	-	0.28	04-33-062-20 W5M
G3	Girouxville 3	-	-	-	0.49	14-02-077-23 W5M
G4	Girouxville 4	-	-	-	0.4	04-08-077-22 W5M
K1	Kakwa 1	0.4	-	1.3	0.06	01-13-063-05 W6M
K2	Kakwa 2	4.5	-	1.8	0.27	08-13-063-05 W6M
K3	Kakwa 3	3.1	-	2.9	0.24	12-18-063-04 W6M
K4	Kakwa 4	4.3	-	2.8	0.20	06-18-063-04 W6M
M1	Milner Pipeline	<0.1	-	1.1	-	12-14-058-08 W6M
M2	Milner Bridge	<0.1	-	0.9	-	08-06-057-08 W6M
M3	Milner Wanyandie	<0.1	-	0.4	-	11-13-058-08 W6M
M4	Milner Ambient Trailer	<0.1	-	1.3	-	09-15-058-08 W6M
M5	Milner Powerline	<0.1	-	1.3	-	06-14-058-08 W6M
J1	Jayar1 Plant	0.4	-	1.1	0.07	06-08-062-03 W6M
J2	Jayar2 14-8	0.6	-	1.6	0.11	07-08-062-03 W6M
J3	Jayar3 Bone Yard	0.6	-	0.8	0.03	14-08-062-03 W6M
J4	Jayar4 7-8 or 8-8 Pad	0.3	-	0.9	<0.02	10-08-062-03 W6M
J5	Jayar5 Camp	0.3	-	1.4	0.24	11-08-062-03 W6M

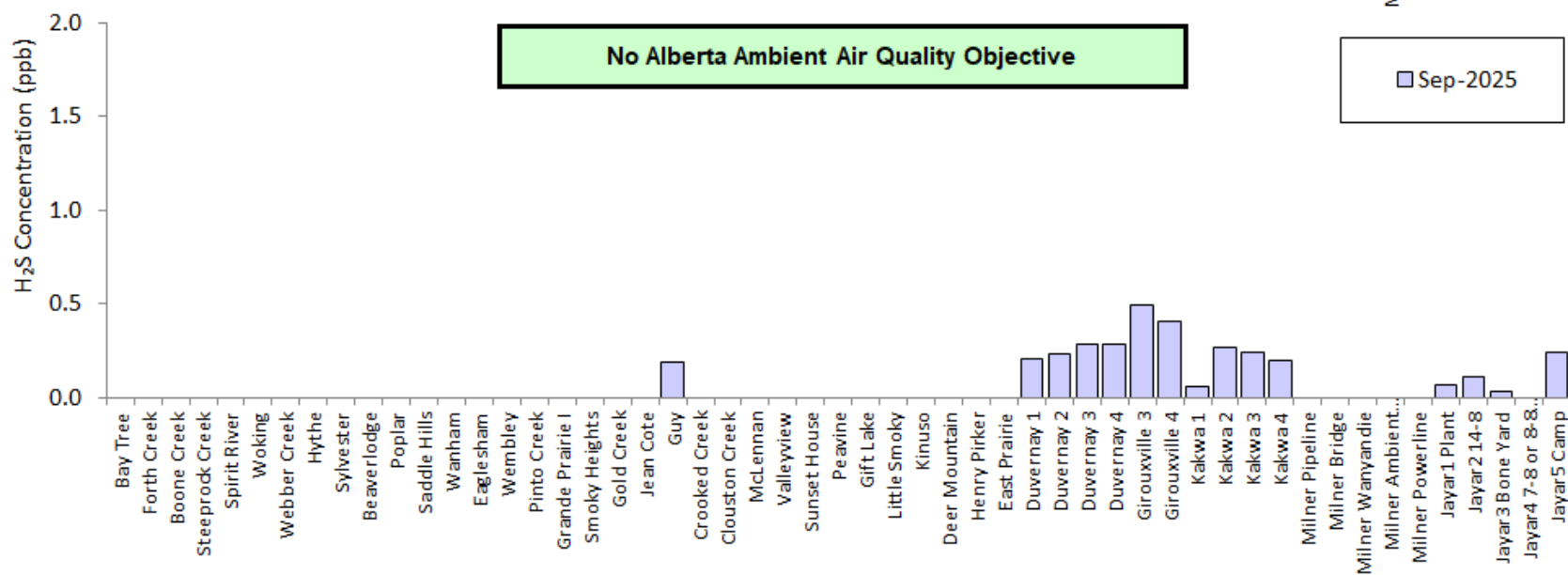
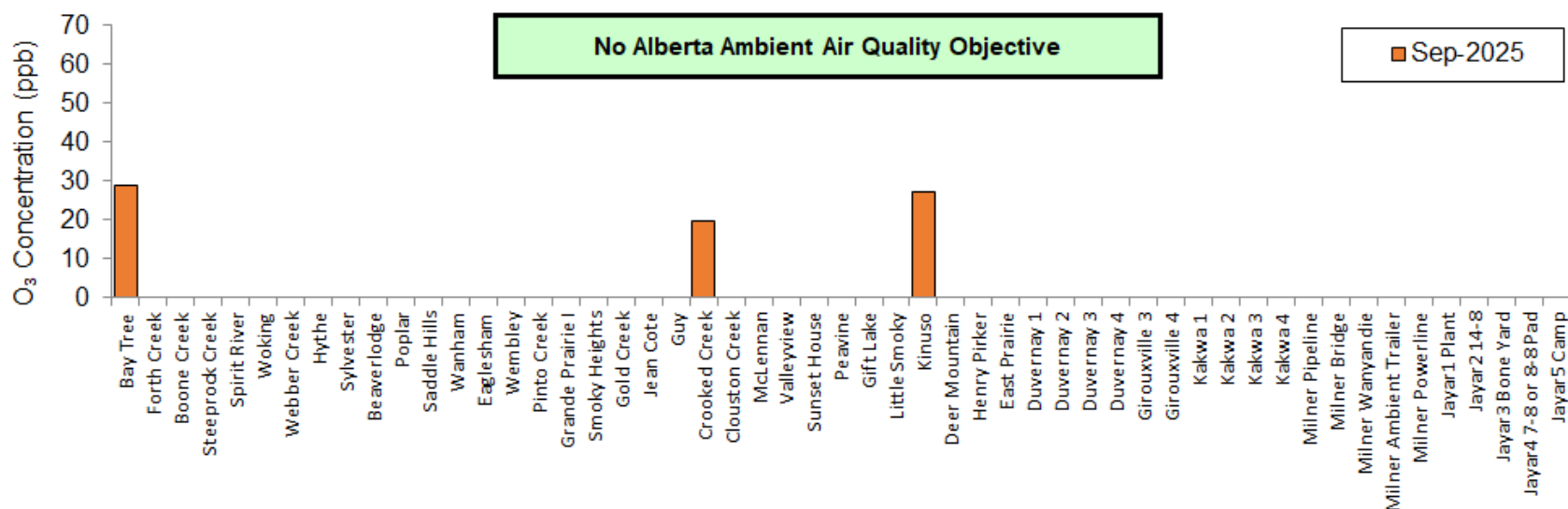
Passive Summary for September 2025

Stats	Sulphur Dioxide SO ₂	Ozone O ₃	Nitrogen Dioxide NO ₂	Hydrogen Sulphide H ₂ S
	ppb	ppb	ppb	ppb

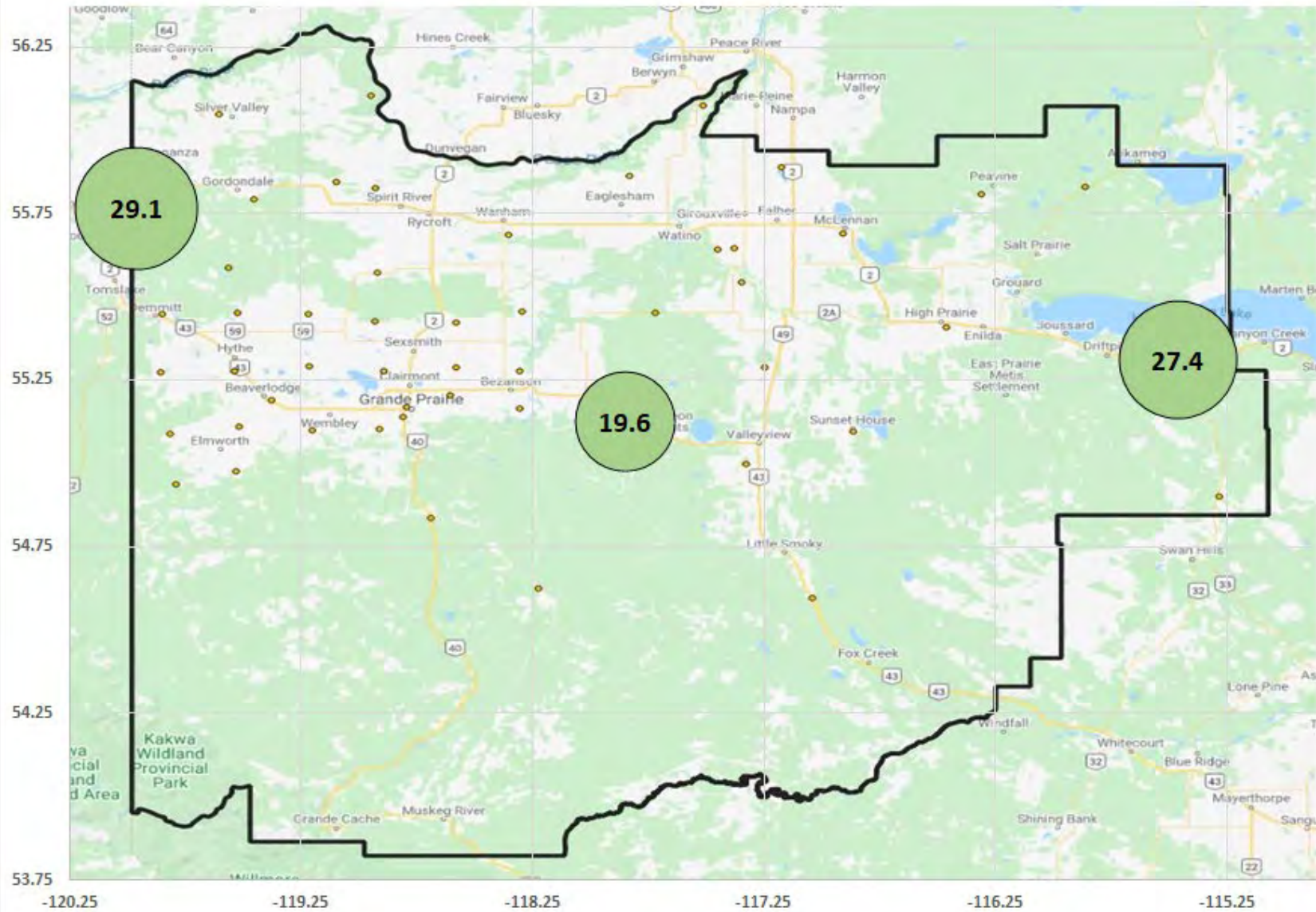
Passive Summary for September 2025 (PAZA)				
Mean	0.6	25.4	1.2	0.2
Standard Deviation	1.0	5.1	0.8	0.1
Minimum	0.1	19.6	0.3	0.0
Maximum	East Prairie (#50)	Crooked Creek (#37)	Sylvester (#14)	Jayar3 Bone Yard (#J3)
	4.5 Kakwa 2 (#K2)	29.1 Bay Tree (#2)	3.8 Henry Pirker (#49)	0.5 Girouxville 3 (#G3)

Continuous and Passive Monitoring Comparision				
PAZA Beaverlodge Station	0.5	27.6	3.6	-
Beaverlodge Passive (#16)	0.4	-	1.6	-
PAZA Henry Pirker Station	0.3	23.2	7.8	0.2
Henry Pirker passive (#49)	0.5	-	3.8	-
Milner Station	-	-	2.6	-
Milner passive	<0.1	-	1.3	-

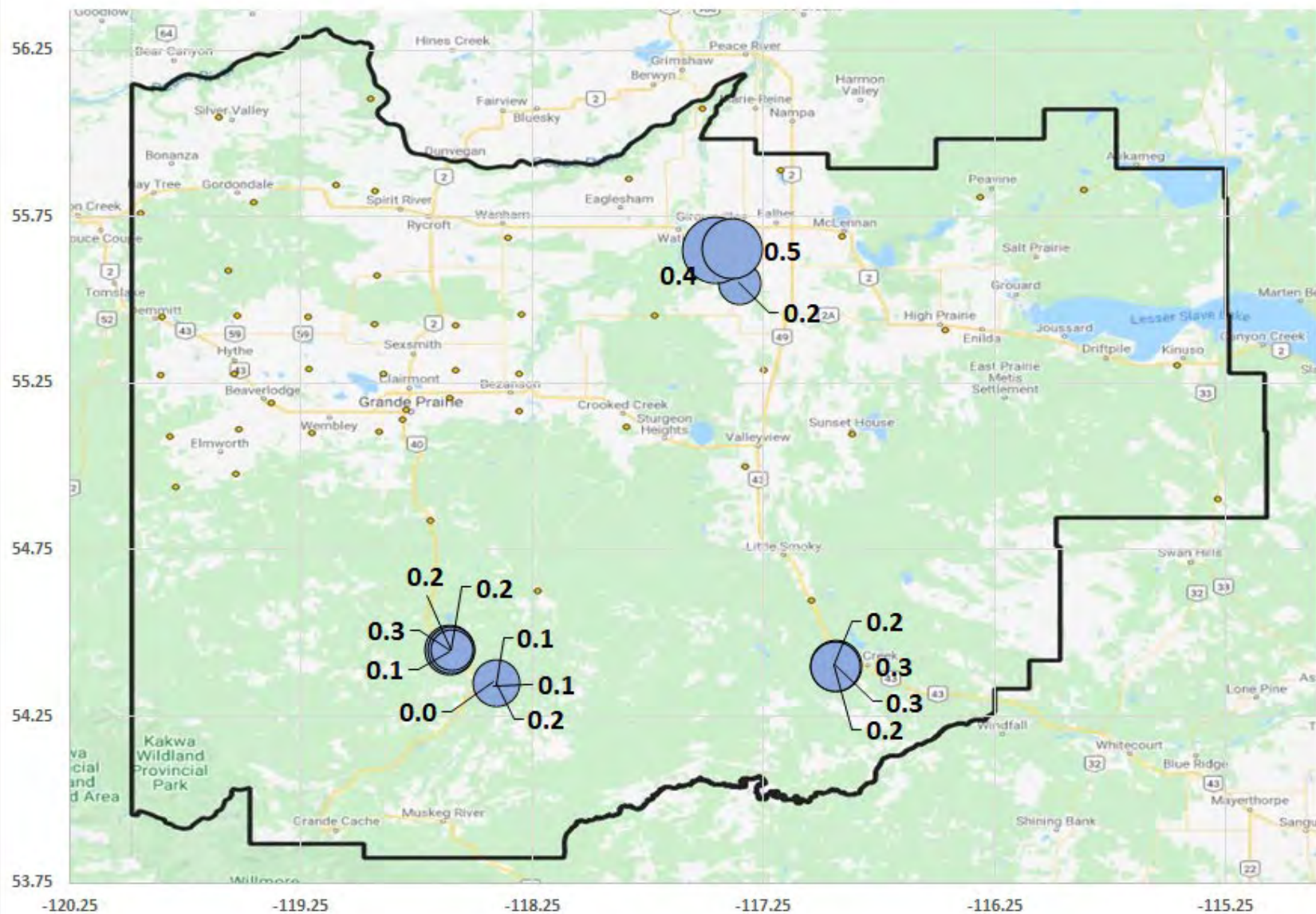




O₃ Monthly Average (units in ppb)



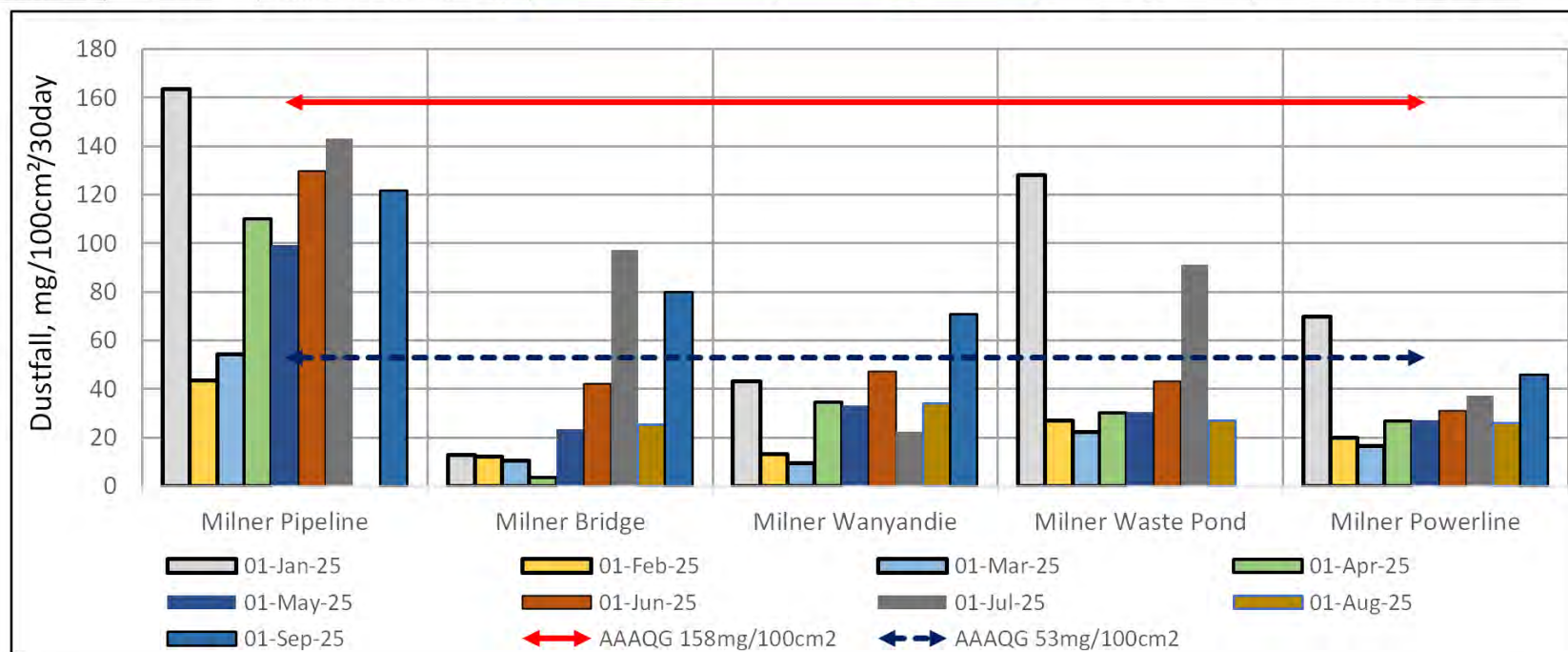
H₂S Monthly Average (units in ppb)



11 Dustfall Monitoring Data

Milner Dustfall Samples September 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
September	2025	Milner Pipeline	121.8	52.4	33	
September	2025	Milner Bridge	79.7	34.7	33	
September	2025	Milner Wanyandie	70.6	12.1	33	
September	2025	Milner Waste Pond	47.2	19.9	33	
September	2025	Milner Powerline	45.8	22.1	33	
September	2025	Milner Powerline Dup	40.6	21.4	33	RPD, 12% / 3%



End of Report



Peace Airshed Zone Association

Ambient Air Monitoring Report

September 2025