Peace River Area Monitoring Program

JANUARY 2025

Monthly Ambient Air Quality Monitoring Report

PRAMP-202501

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

February 20, 2025

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LIST OF ACRONYMS

AAAQOs	Alberta Ambient Air Quality Objectives
AEP	Alberta Environment and Parks
AMD	Air Monitoring Directive
AT	Ambient Temperature
BP	Barometric Pressure
CH4	Methane
EPEA	Environmental Protection and Enhancement Act
H2S	Hydrogen Sulphide
kph	kilometers per hour
mb	millibar
mm	millimeter
NMHC	Non-Methane Hydrocarbons
ppb	parts per billion
ppm	parts per million
PRAMP	Peace River Area Monitoring Program
RH	Relative Humidity
SO2	Sulphur Dioxide
ST	Station Temperature
THC	Total Hydrocarbons
TRS	Total Reduced Sulphur
VWD	Vector Wind Direction
VWS	Vector Wind Speed
WD	Wind Direction
WS	Wind Speed
°C	Degrees Celsius

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February 20, 2025

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Edmonton, AB, T5K 2J6

RE: PRAMP – January 2025 Monthly Ambient Air Quality Monitoring Report

Enclosed is the January 2025 Monthly Ambient Air Quality Monitoring Report for the continuous ambient air quality monitoring stations of the Peace River Area Monitoring Program (PRAMP) regional air quality monitoring network.
The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
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This report has been prepared, review and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed. This report is also submitted on behalf of the industrial member companies to satisfy the requirements of the facility operating approvals.

PRAMP Airshed has retained the services of Bureau Veritas Canada to conduct continuous ambient monitoring on its behalf.

NETWORK STATION SUMMARY

Listing of Continuous Monitoring Stations

The PRAMP continuous ambient air quality monitoring network stations are:

- 986-C Station
- 842-B Station
- Reno-B Station
- AQHI Grimshaw
- Peace River Complex (PRC) Station

Station ID	Station Name	Latitude	Longitude
1562	986-C	56.36980	-116.92500
1561	842-B	56.27406	-116.98129
1563	Reno-B	55.890868	-117.137080
1689	AQHI-Grimshaw	56.18657	-117.604994
1698	PRC	56.38257	-116.769283

Listing of Intermittent Monitoring Stations

- VOC Canister Sampling Station
  - 986-C Station
  - 842-B Station
  - Reno-B Station

Listing of PRAMP member with EPEA Facility Operating Approval

Company	Facility	Approval No.
Canadian Natural Upgrading Limited	Peace River Complex	1642-03-00

Calibration and Data Submission

Hourly data and calibration reports for January 2025 were submitted to the ETS data system for the 986-C station, 842-B station, Reno-B station, PRC station and AQHI-Grimshaw station.

Monitoring Operations Notes during the Month of January 2025

Precipitation: With lower ambient temperatures recorded this month, the built-in heater may not work as efficiently as it should be when temperatures drop below approximately -10 °C. As a result, precipitation data collected at the 986-C, 842-B and Reno-B stations should be used with caution.

986-CStation

- No major operational issues were identified this month.

842-B Station

- No operational issues were identified this month.

Reno-B Station

- **WS/WD**: Both the wind speed and wind direction parameters did not meet the 90% operational uptime requirement in January (89.7%). A total of 77 hours of downtime was recorded; 5 hours of downtime were contributed by a power outage; 22 hours were due to a frozen sensor; and 50 hours were caused by a power supply issue. ***DINC0014273***.

PRC Station

- **TRS:** Low ambient temperatures had a marked effect on TRS span between January 2 and 6, and January 16 and 22. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS/H2S analyzer to respond more slowly due to the SO2 scrubber requiring a certain humidity to function optimally. Although daily span check results were often below the requirements, and the daily zero check results were occasionally close to or outside the allowable drift range (while low temperatures were occurring), experience indicates the analyzer's performance remains in compliance with AMD performance criteria, and collected data remain valid.

AQHI – Grimshaw Station

- **NOx/NO/NO2**: A monthly calibration was attempted on January 21; however, the Thermo 42iQ analyzer, s/n: 12409233392, could not achieve stability during the as-found points check. The calibration was repeated on January 22, but similar results were obtained. It was determined that the analyzer should be taken out of service for maintenance. The analyzer failed the daily span checks between January 23 and 29, with the span results showing 0 ppb. Repeat zero-span checks and as-found points checks were completed on January 24 at hour 7, hour 9, and between hour 13 and hour 15. The check results did not meet the calibration requirements. The Thermo 42iQ analyzer, s/n: 12409233392, was removed and replaced by the Teledyne T200 analyzer, s/n: 837, on January 29, and a successful installation was completed on January 30. Data collected between January 20 at hour 18 and January 30 at hour 8 were deemed questionable and discarded. A total of 231 hours of downtime were recorded due to this event, resulting in an operational uptime of 69.0%. ***DINC0014274.***

Exceedances of the AAAQOs and AAAQGs during the Month of January 2025

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) and /or Alberta Ambient Air Quality Guidelines (AAAQGs) where applicable.

Non-compliance Events during the Month of January 2025

- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement, except the Reno-B and AQHI - Grimshaw stations.
    - Reno-B WS/WD: The wind system failed to meet the 90% operational uptime requirement in January (89.7%). ***DINC0014273.*** A total of 77 hours of downtime was recorded due to multiple events; 5 hours of downtime were contributed by a power outage; 22 hours were due to a frozen sensor; and 50 hours were caused by a power supply issue.
    - AQHI-Grimshaw NOx/NO/NO2: The NOx/NO/NO2 analyzer did not meet the 90% operational uptime requirement in January (69.0%). ***DINC0014274.*** The Thermo 42iQ analyzer, s/n: 12409233392, could not achieve stability during the as-found points check on January 21. The calibration was repeated on January 22, but similar results were obtained. The analyzer failed the daily span checks between January 23 and 29, with the span results showing 0 ppb. Repeat zero-span checks and as-found points checks were completed on January 24 at hour 7, hour 9, and between hour 13 and hour 15. The check results did not meet the calibration requirements. The Thermo 42iQ analyzer, s/n: 12409233392, was removed and replaced by the Teledyne T200 analyzer, s/n: 837, on January 29, and a successful installation was completed on January 30. Data collected between January 20 at hour 18 and January 30 at hour 8 were deemed questionable and discarded. A total of 231 hours of downtime were recorded due to this event.

VOCs Canister Sampling Program

- The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
- The canister sample collection systems are in place at Station 986-C, 842-B, and the Reno-B Station; a canister sample collection system is not part of the suite of instruments currently deployed at both the PRC station and the AQHI-Grimshaw station.
- Sample analysis and analytical results were prepared and provided by InnoTech Alberta.
- No valid NMHC canister events were recorded this month.
- The canister event triggered on January 4 at 16:25 at the 842-B station was caused by vehicle emissions from the PRAMP Field Operations Assistant (FOA). Since the source of the emissions was outside the scope of the canister sampling program, the sample was not sent for lab analysis.
- The canister event triggered on January 22 at 12:35 was deemed invalid, and the sample was not sent for lab analysis. Strong solvent products were used by the FOA during a power outlet upgrade at the station during that time, and the emissions from these products contributed to elevated NMHC concentrations.

Revisions to Alberta's Ambient Air Quality Data Warehouse

No revisions to historical data previously submitted to the ETS data system this month.

Deviations from Authorized Monitoring Methods

No deviations from authorized monitoring methods were recorded this month.

Disclaimer

Baseline corrections were performed on the 1-minute data. 5-minute and hourly data were calculated based on the post-baseline correction 1-minute data set. Data verification/validation were then performed on the 5-minute and hourly data. Hourly data that are included in this report are the post-validation hourly data set.

Equipment calibration / maintenance records were provided by Bureau Veritas.

Certification

This report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).



Lily Lin, Technical Program Manager, PRAMP Airshed

This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

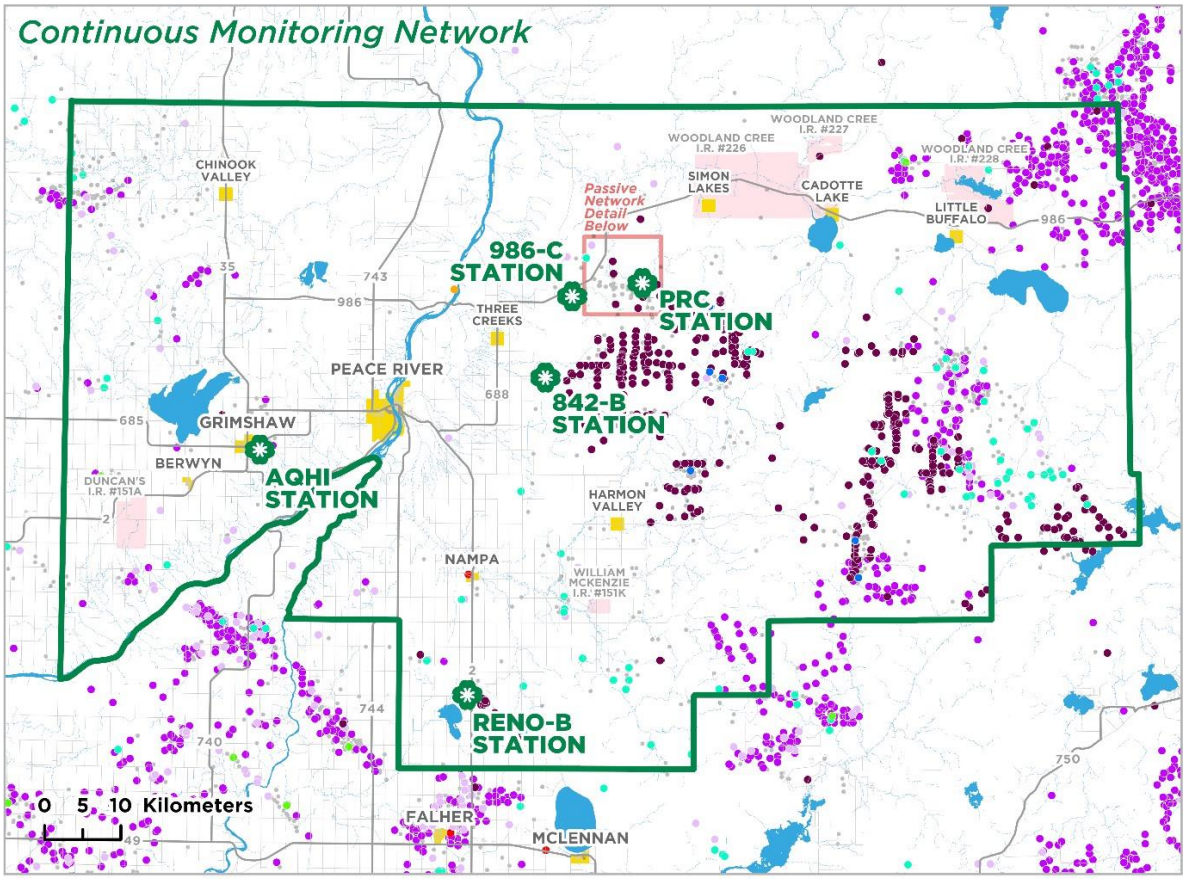
I certify that I have reviewed and verified this report and that the information is complete, accurate and representative of the monitoring results, reporting timeframe and the specified analysis, summarization and reporting requirements. I also certify that at the time of this report's submission, all air data have been electronically uploaded to ETS data system as required by the AMD. Uploading of VOC data from the canister sampling program was not required at the time of completing this report.



Michael Bisaga, Technical Program Manager, PRAMP Airshed

February 20, 2025

Map of PRAMP Continuous Monitoring Network



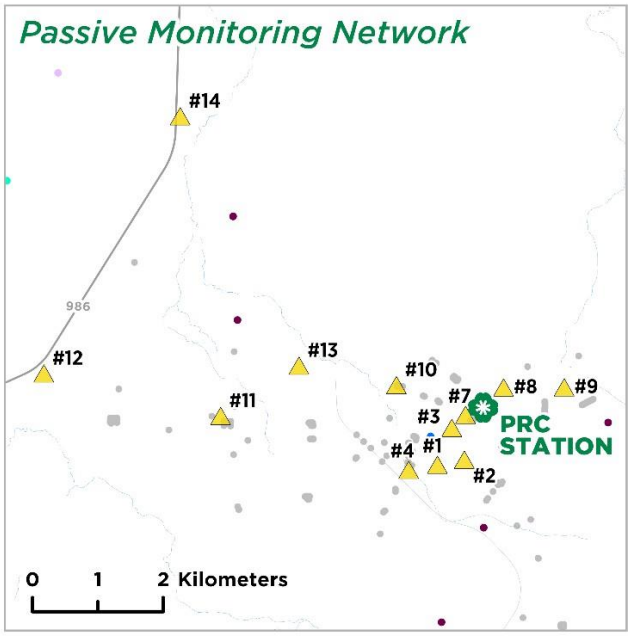
Legend

- PRAMP Boundary
- Populated Place
- First Nation
- Continuous Monitoring Station
- Passive Monitoring Station

Industrial Facilities

- In-Situ Oil Sands
- Heavy Oil/Bitumen Well or Battery
- Conventional Oil Well or Battery
- Natural Gas Well or Battery
- Gas Plant or Gas Processing
- Compressor Station or Pipeline
- Agricultural Storage and Transfer
- Pulp and Paper
- Well (Not Associated with Batteries)

Service Layer Credits: Esri, CGIAR, USGS, Esri, USGS



CONTINUOUS NETWORK EQUIPMENT AND MONITORING RESULTS SUMMARY

986 -C Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1193585646	January 23, 2025	• No operational issues were recorded this month.
TRS Thermo 43iQTL #1191833341 TRS convertor CD Nova CDN-101 #530	January 23, 2025	• No operational issues were recorded this month.
THC/CH4/NMHC Thermo 55i #1022143392 #1191032505 H2 Generator HG300 #191267063 Zero Air Supply Teledyne T701 #468	January 23, 2025	• The analyzer failed the daily span checks between January 11 and 14 due to an issue with the cylinder regulator. A repeat zero-span check was initiated on January 11 at hour 7 to confirm the drift. The issue was corrected on January 11. As the problem only affected the IZS system, ambient data remain valid during this period. No data were discarded. However, one hour of downtime was recorded due to the additional quality check.
Parameter	**Verification Date**	**Equipment Operational Summary**
RH Rotronic HC2-S3 #20626912	January 23, 2025	• No operational issues were recorded this month.
BP MetOne 092 #Y23358	January 23, 2025	• No operational issues were recorded this month.

Parameter	Verification Date	Equipment Operational Summary
AT Rotronic HC2-S3 #20626912	January 23, 2025	• No operational issues were recorded this month.
ST COMET #189619	January 23, 2025	• No operational issues were recorded this month.
Precipitation RM Young 52202 #TB 16325	January 23, 2025	• No operational issues were recorded this month.
WS/ WD RM Young 05305AQ #180340	January 23, 2025	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 22, 2024. • No operational issues were recorded this month.

Monitored Data Summary for 986-C Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	2	Jan 7 at hr 14	18.1	SSW	0.6	Jan 3	100.0	95.1
TRS (ppb)	-	-	-	-	-	-	0.35	0.03	0.96	Jan 6 at hr 11	13.6	SSW	0.59	Jan 14	100.0	95.1
THC (ppm)	-	-	-	-	-	-	2.04	1.97	2.20	Jan 6 at hr 12	15.5	SSW	2.15	Jan 6	99.9	95.0
CH4 (ppm)	-	-	-	-	-	-	2.04	1.97	2.20	Jan 6 at hr 12	15.5	SSW	2.15	Jan 6	99.9	95.0
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Jan 1 at hr 0	2.7	WNW	0.00	Jan 1	99.9	95.0
RH (%)	-	-	-	-	-	-	80.3	38	100	Jan 9 at hr 7	11.4	S	94.1	Jan 11	100.0	100.0
BP (millibar)	-	-	-	-	-	-	945	921	968	Jan 17 at hr 22	8.6	N	964	Jan 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-8.0	-31.6	6.6	Jan 14 at hr 13	25.3	WSW	3.6	Jan 14	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.8	20.4	23.5	Jan 19 at hr 12	3.5	ESE	23.2	Jan 4	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	0.7	0.0	0.2	Jan 16 at hr 10	17.5	SW	0.4	Jan 16	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	4.3	0.0	32.7	Jan 7 at hr 21	32.7	SW	19.3	Jan 14	100.0	100.0
WDV (sector)	-	-	-	-	-	-	237 (SW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

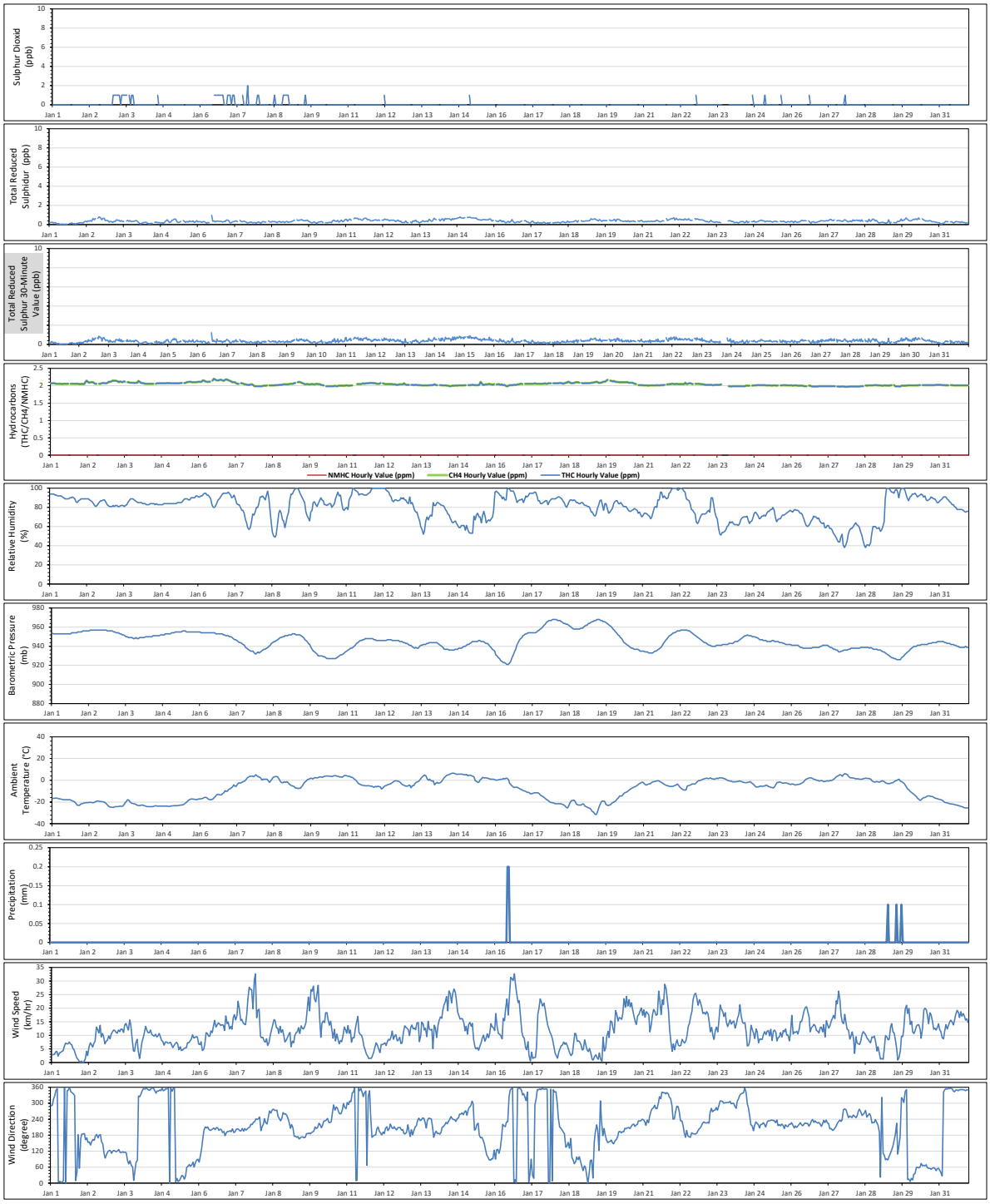
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.35	0.02	1.23	Jan 6 at 11:00	13.2	SSW	0.59	Jan 14	100.0	95.1

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Jan 2025 - 986-C Station



842-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #1200736629	January 8, 2025	• No operational issues were recorded this month.
TRS Thermo 43iQTL #1200736630 TRS Convertor CD Nova CDN-101 #552	January 8, 2025	• No operational issues were recorded this month.
THC/CH4/NMHC Thermo 55i #12208316589 H2 Generator HG300 #190567058 Zero Air Supply Teledyne T701 #1087	January 8, 2025	• No operational issues were recorded this month. • The desiccant for the hydrogen generator was renewed on January 8.
Parameter	**Verification Date**	**Equipment Operational Summary**
RH Rotronic HC2-S3 #24010202	January 8, 2025	• No operational issues were recorded this month.
AT Rotronic HC2-S3 #24010202	January 8, 2025	• No operational issues were recorded this month.

Parameter	Verification Date	Equipment Operational Summary
BP MetOne 092 #Y23362	January 8, 2025	• No operational issues were recorded this month.
ST COMET #20790297	January 8, 2025	• No operational issues were recorded this month.
Precipitation RM Young 52202 #TB 15878	January 8, 2025	• No operational issues were recorded this month. •
WS/ WD RM Young 05305AQ #174802	January 8, 2025	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 22, 2024. • No operational issues were recorded this month.

Monitored Data Summary for 842-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Jan 6 at hr 11	14.1	SSW	0.5	Jan 6	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.70	0.37	1.10	Jan 29 at hr 17	7.5	WNW	0.88	Jan 12	100.0	95.0
THC (ppm)	-	-	-	-	-	-	2.04	1.89	2.70	Jan 19 at hr 9	1	ENE	2.16	Jan 19	100.0	94.9
CH4 (ppm)	-	-	-	-	-	-	2.04	1.89	2.70	Jan 19 at hr 9	1	ENE	2.16	Jan 19	100.0	94.9
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.18	Jan 4 at hr 16	5.6	N	0.01	Jan 4	100.0	94.9
RH (%)	-	-	-	-	-	-	73.3	36	97	Jan 29 at hr 13	4.8	WSW	87.1	Jan 11	100.0	100.0
BP (millibar)	-	-	-	-	-	-	944	920	967	Jan 19 at hr 11	1.3	ENE	963	Jan 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-8.1	-31.7	5.9	Jan 14 at hr 13	19.2	W	3.4	Jan 14	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.4	20.9	23.5	Jan 3 at hr 2	6.1	E	23.1	Jan 3	100.0	100.0
Precipitation (mm)*	-	-	-	-	-	-	2.8	0.0	0.3	Jan 10 at hr 16	5.3	W	0.6	Jan 10	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	4.2	0.2	25.9	Jan 7 at hr 20	25.9	SW	19.1	Jan 14	100.0	100.0
WDV (sector)	-	-	-	-	-	-	237 (SW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

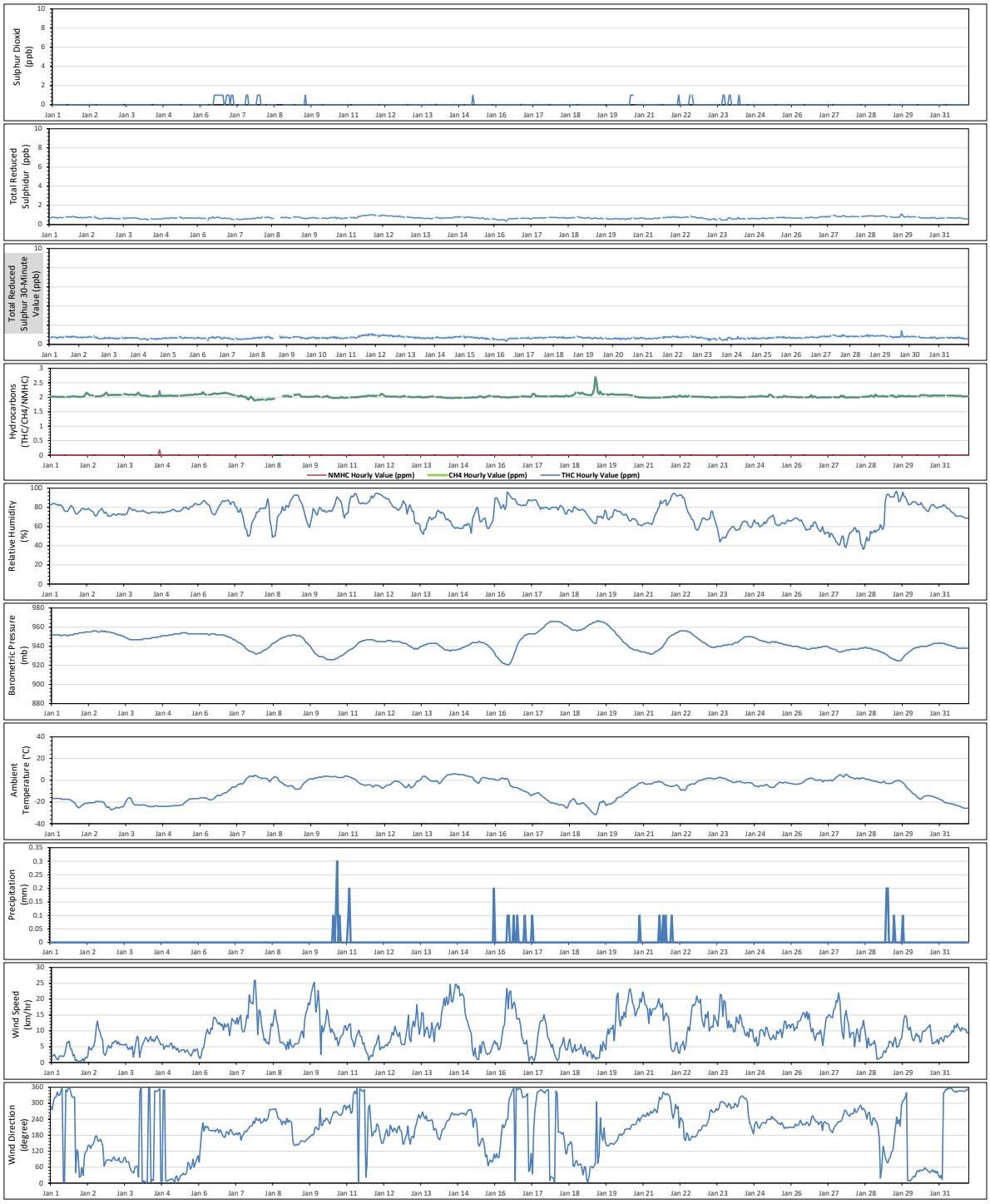
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.70	0.29	1.42	Jan 29 at 17:30	8.9	NW	0.88	Jan 12	100.0	95.0

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Jan 2025 - 842-B Station



Reno-B Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43iQTL #12101910505	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage.
TRS Thermo 43iQTL #12101910504 **TRS Convertor** CD Nova CDN-101 #590	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage.
THC/CH4/NMHC Thermo 55i #1193585652 H2 Generator HG300 #210467069	January 9, 2025	• The desiccant for the hydrogen generator was renewed on January 9. • Six hours of downtime were recorded on January 16; 5 hours were due to a power outage, and 1 hour was because the analyzer was recovering from the power outage. • The analyzer was put offline on January 22 at hours 12-15. Strong solvent products were used during the power outlet upgrade at the station during that time, and the emissions from these products contributed to elevated NMHC concentrations. Four hours of downtime were recorded. • Bad injections were recorded on January 29. Data were reviewed and discarded if data quality was affected by injection issues. Hourly data were re-averaged using the revised one-minute dataset. All hourly data collected on January 29 met the data completeness requirement.

Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20467597	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage. • Fifty hours of downtime were recorded due to an issue from the power supply to the analyzer.
BP MetOne 092 #A17940	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage. • Fifty hours of downtime were recorded due to an issue from the power supply to the analyzer.
AT Rotronic HC2-S3 #20467597	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage. • Fifty hours of downtime were recorded due to an issue from the power supply to the analyzer.
ST COMET #NA	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage.
Precipitation RM Young 52202 #TB 15877	January 9, 2025	• Five hours of downtime were recorded on January 16 due to a power outage.
WS/ WD RM Young 05305AQ #174795	January 9, 2025	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 23, 2024. • Five hours of downtime were recorded on January 16 due to a power outage. • Twenty-two hours of downtime were recorded between January 17 and 18 due to a frozen wind sensor. • Fifty hours of downtime were recorded due to an issue from the power supply to the analyzer.

Monitored Data Summary for Reno-B Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	1	Jan 3 at hr 9	19.7	ESE	0.3	Jan 26	99.3	94.3
TRS (ppb)	-	-	-	-	-	-	0.33	0.01	0.58	Jan 11 at hr 17	1.9	NE	0.40	Jan 12	99.3	94.3
THC (ppm)	-	-	-	-	-	-	2.07	1.96	2.44	Jan 24 at hr 10	X	X	2.17	Jan 5	98.7	93.5
CH4 (ppm)	-	-	-	-	-	-	2.07	1.96	2.44	Jan 24 at hr 10	X	X	2.17	Jan 5	98.7	93.5
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Jan 1 at hr 0	3.3	NW	0.00	Jan 1	98.7	93.5
RH (%)	-	-	-	-	-	-	82.7	50	100	Jan 8 at hr 20	6.5	W	96.5	Jan 11	92.6	92.6
BP (millibar)	-	-	-	-	-	-	945	921	967	Jan 17 at hr 22	X	X	963	Jan 19	92.6	92.6
Ext. Temp. (°C)	-	-	-	-	-	-	-9.1	-27.4	4.8	Jan 14 at hr 13	34.3	W	2.2	Jan 14	92.6	92.6
Stn. Temp. (°C)	-	-	-	-	-	-	22.7	19.8	23.8	Jan 19 at hr 9	7.1	NE	23.5	Jan 18	99.3	99.3
Precipitation (mm)*	-	-	-	-	-	-	3.4	0.0	0.4	Jan 10 at hr 18	19.8	WNW	1.6	Jan 10	99.3	99.3
WSV (km/hr)	-	-	-	-	-	-	4.8	0.0	46.0	Jan 16 at hr 10	46	WSW	28.1	Jan 21	89.7	89.7
WDV (sector)	-	-	-	-	-	-	254 (WSW)	-	-	-	-	-	-	-	89.7	89.7

1- Date/ Time given is the first minimum and maximum value that was recorded

* Data represents the total (sum) for the indicated time frame

X: Wind data is not available

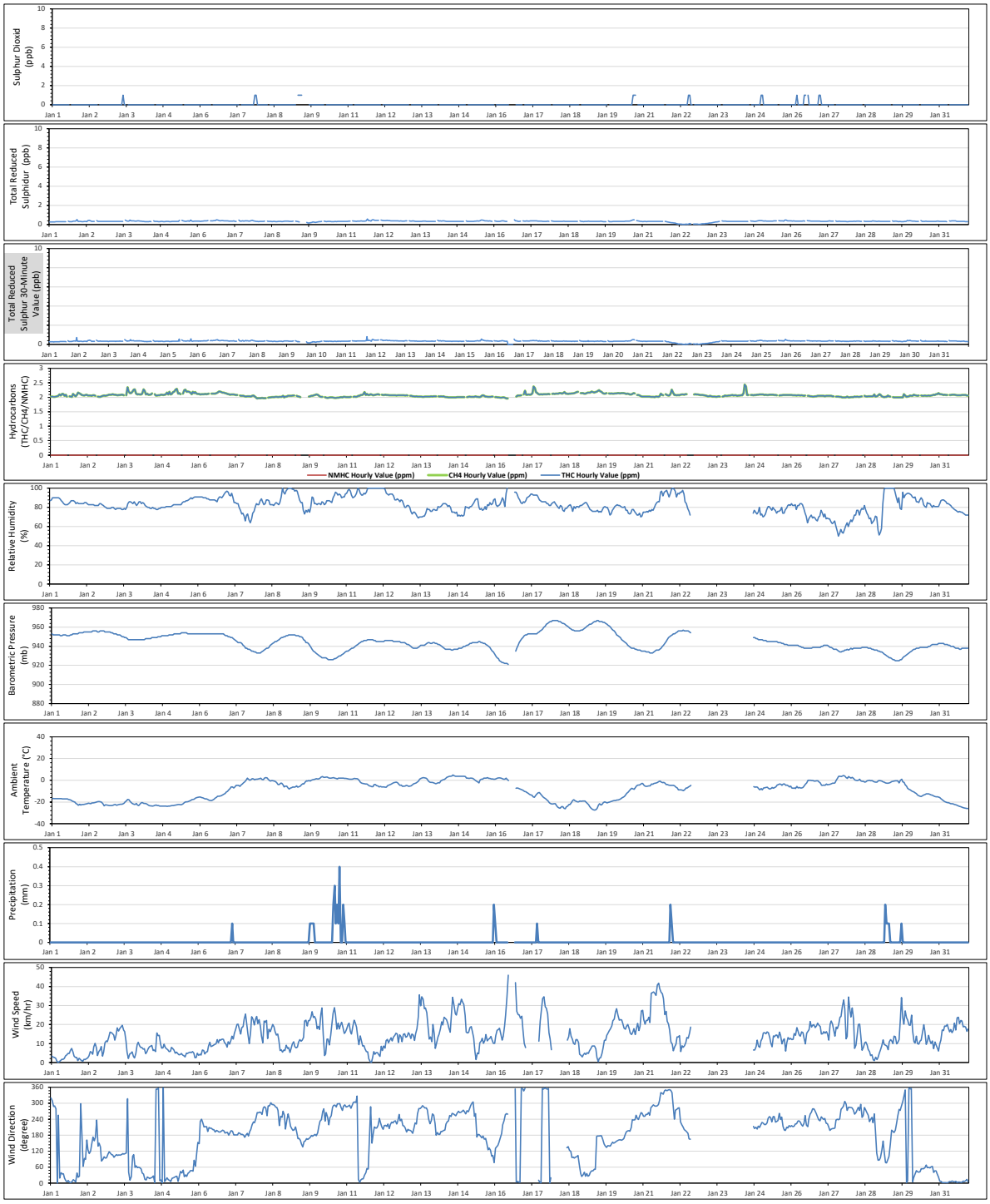
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.33	0.00	0.79	Jan 11 at 17:00	2.7	NE	0.40	Jan 12	99.3	94.3

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Jan 2025 - Reno-B Station



PRC Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Thermo 43i #1034746225	January 23, 2025	• No operational issues were identified this month.
H2S Teledyne T100 #1014	January 23, 2025	• No operational issues were identified this month.
TRS Thermo 450i #1034746224 TRS Convertor CD Nova CDN-101 #516	January 23, 2025	• Low ambient temperatures had a marked effect on TRS span between January 2 and 6, and January 16 and 22. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS/H2S analyzer to respond more slowly due to the SO2 scrubber requiring a certain humidity to function optimally. Although daily span check results were often below the requirements, and the daily zero check results were occasionally close to or outside the allowable drift range (while low temperatures were occurring), experience indicates the analyzer's performance remains in compliance with AMD performance criteria, and collected data remain valid.
THC/CH4/NMHC Thermo 55i #1034745845 H2 Generator HG300 #211067076	January 23, 2025	• No operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
RH Rotronic HC2-S3 #20558318	January 23, 2025	• No operational issues were identified this month.
BP MetOne 092 #B19577	January 23, 2025	• No operational issues were identified this month.
AT Rotronic HC2-S3 #20558318	January 23, 2025	• No operational issues were identified this month.
ST Canadian Natural #NA	January 23, 2025	• No operational issues were identified this month.
WS/ WD RM Young 05305VK #129612	January 23, 2025	• Wind direction data contained in this report represents where the wind is coming from. • The annual wind system calibration was completed on September 10, 2024. • No operational issues were identified this month.

Monitored Data Summary for Peace River Complex (PRC) Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.1	0	1	Jan 6 at hr 10	11.1	SW	0.5	Jan 6	100.0	95.0
H2S (ppb)	10	3	-	0	0	-	0.0	0	1	Jan 2 at hr 1	1.1	ENE	0.0	Jan 1	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.1	0	1	Jan 2 at hr 0	3.2	NNE	0.6	Jan 2	100.0	95.0
THC (ppm)	-	-	-	-	-	-	2.01	1.95	2.16	Jan 19 at hr 14	6	SSW	2.11	Jan 6	100.0	95.0
CH4 (ppm)	-	-	-	-	-	-	2.01	1.95	2.16	Jan 19 at hr 14	6	SSW	2.11	Jan 6	100.0	95.0
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.00	Jan 1 at hr 0	3.7	WNW	0.00	Jan 1	100.0	95.0
RH (%)	-	-	-	-	-	-	81.9	34	100	Jan 8 at hr 7	9.3	SW	97.3	Jan 11	100.0	100.0
BP (millibar)	-	-	-	-	-	-	945	921	967	Jan 17 at hr 21	4.5	NNW	964	Jan 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-8.4	-33.7	6.7	Jan 14 at hr 13	32.5	WSW	3.3	Jan 14	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	22.2	19.6	26.1	Jan 10 at hr 14	9.4	W	25.3	Jan 10	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	5.3	0.0	32.5	Jan 14 at hr 13	32.5	WSW	21.2	Jan 14	100.0	100.0
WDV (sector)	-	-	-	-	-	-	242 (WSW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

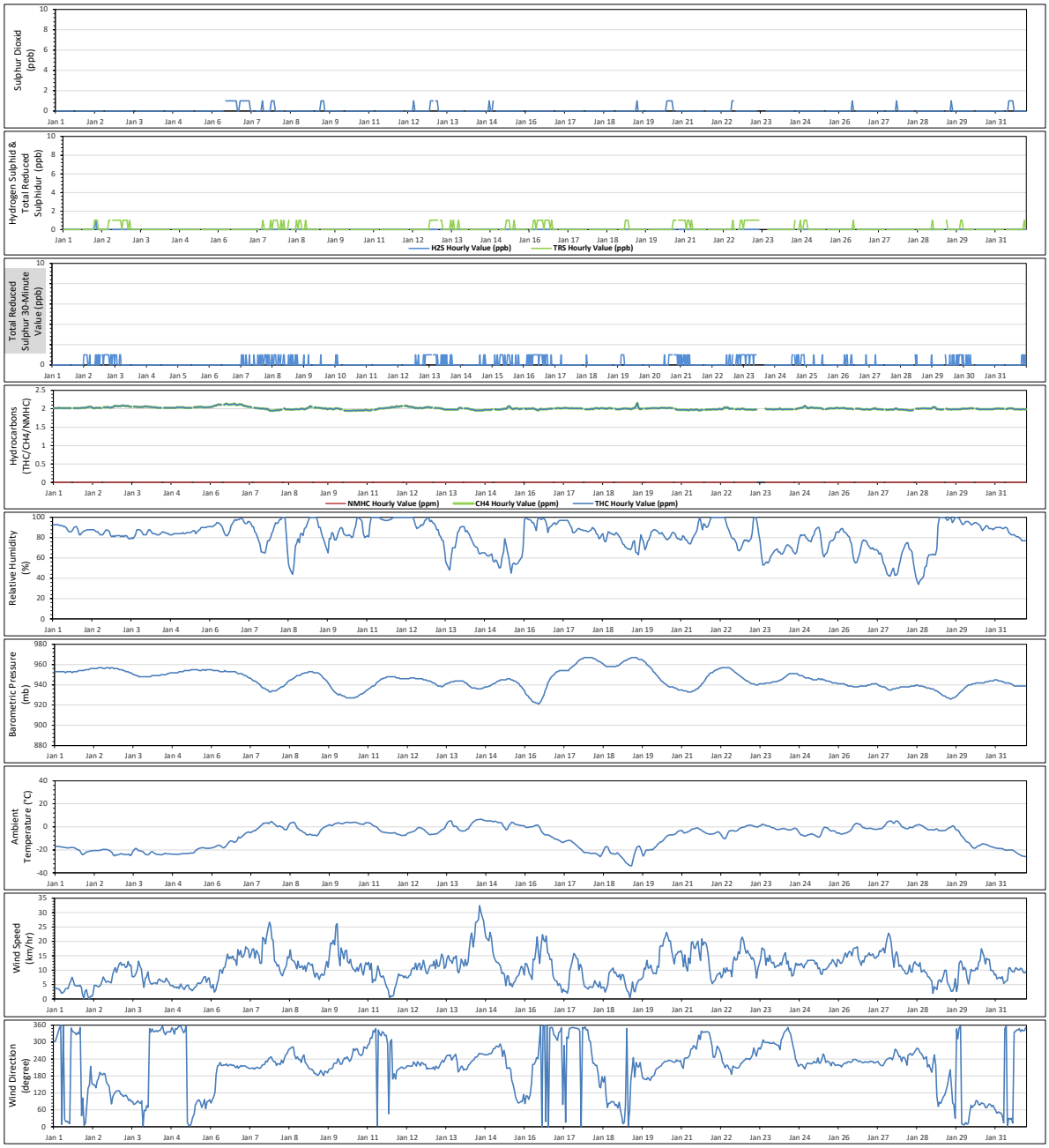
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.2	0.0	1.0	Jan 2 at 00:00	3.5	NNE	1.0	Jan 2	100.0	95.1

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Jan 2025 - Peace River Complex (PRC) Station



AQHI – Grimshaw Station

Equipment Operation Summary

Parameter	Calibration Date	Equipment Operational Summary
SO2 Teledyne T100 #722	January 21, 2025	• No major operational issues were identified this month.
TRS Thermo 43iQ-TL #12409233394 TRS Convertor CD Nova CDN-101 #576	January 21, 2025	• No major operational issues were identified this month. • Following a successful shut-down calibration on December 17, the SO2 scrubber was replaced. A post-repair calibration was completed afterwards. Two hours of downtime were recorded as a result.
NOx/NO/NO2 Thermo 42iQ #12409233392 Teledyne T200 #837	January 30, 2025	• A monthly calibration was attempted on January 21; however, the Thermo 42iQ analyzer, s/n: 12409233392, could not achieve stability during the as-found points check. The calibration was repeated on January 22, but similar results were obtained. It was determined that the analyzer should be replaced for maintenance. • The analyzer failed the daily span checks between January 23 and 29, with the span results showing 0 ppb. Repeat zero-span checks and as-found points checks were completed on January 24 at hour 7, hour 9, and between hour 13 and hour 15. The check results did not meet the calibration requirements. • The Thermo 42iQ analyzer, s/n: 12409233392, was removed and replaced by the Teledyne T200 analyzer, s/n: 837, on January 29, and a successful installation was completed on January 30. Data collected between January 20 at hour 18 and January 30 at hour 8 were deemed questionable and discarded. A total of 231 hours of downtime were recorded due to this event.
O3 Thermo 49iQ #12326230141	January 21, 2025	• No major operational issues were identified this month.

Parameter	Calibration Date	Equipment Operational Summary
THC/CH4/NMHC Thermo 55i #12101910497 H2 Generator HG300 #190567059	January 21, 2025	• No major operational issues were identified this month.
PM2.5 Teledyne T640 #318	January 21, 2025	• No major operational issues were identified this month.

Parameter	Verification Date	Equipment Operational Summary
RH Vaisala HMP155 #N2910506	January 21, 2025	• No major operational issues were identified this month.
BP MetOne 092 #A2397	January 21, 2025	• No major operational issues were identified this month.
AT Vaisala HMP155 #N2910506	January 21, 2025	• No major operational issues were identified this month.
ST COMET #NA	January 21, 2025	• No major operational issues were identified this month.
WS/ WD RM Young 05305AQ #174801	January 21, 2025	• Wind direction data contained in this report represents where the wind is coming from. • The last annual wind system calibration was completed on August 21, 2024. • No major operational issues were identified this month.

Monitored Data Summary for AQHI - Grimshaw Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	3	Jan 7 at hr 15	11.8	SW	0.8	Jan 7	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.20	0.00	0.49	Jan 9 at hr 6	3.1	W	0.30	Jan 19	100.0	95.0
NOx (ppb)	-	-	-	-	-	-	NA	1	78	Jan 9 at hr 10	1.2	SSE	17.8	Jan 9	69.0	64.8
NO (ppb)	-	-	-	-	-	-	NA	0	54	Jan 9 at hr 6	3.1	W	7.7	Jan 9	69.0	64.8
NO2 (ppb)	159	-	-	0	-	-	NA	1	37	Jan 9 at hr 9	0.9	SW	12.0	Jan 3	69.0	64.8
O3 (ppb)	76	-	-	0	-	-	32.2	2.6	47.2	Jan 7 at hr 19	22.5	WSW	40.7	Jan 27	100.0	95.1
THC (ppm)	-	-	-	-	-	-	2.03	1.93	2.25	Jan 3 at hr 2	4	NNE	2.15	Jan 6	100.0	95.3
CH4 (ppm)	-	-	-	-	-	-	2.03	1.93	2.25	Jan 3 at hr 2	4	NNE	2.15	Jan 6	100.0	95.3
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.06	Jan 24 at hr 19	8.7	WNW	0.00	Jan 24	100.0	95.3
PM2.5 (µg/m3)	80	29	-	0	0	-	4.3	0	20	Jan 4 at hr 14	10.3	N	10.8	Jan 6	100.0	99.9
RH (%)	-	-	-	-	-	-	75.3	42	100	Jan 16 at hr 10	22.8	WNW	88.0	Jan 16	100.0	100.0
BP (millibar)	-	-	-	-	-	-	947	922	969	Jan 17 at hr 20	3.2	N	966	Jan 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-7.9	-25.4	6.6	Jan 14 at hr 13	31.2	W	3.7	Jan 14	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.3	19.4	24.6	Jan 31 at hr 4	14.4	N	22.7	Jan 18	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	10.4	0.3	33.1	Jan 14 at hr 12	33.1	W	21.5	Jan 14	100.0	100.0
WDV (sector)	-	-	-	-	-	-	299 (WNW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

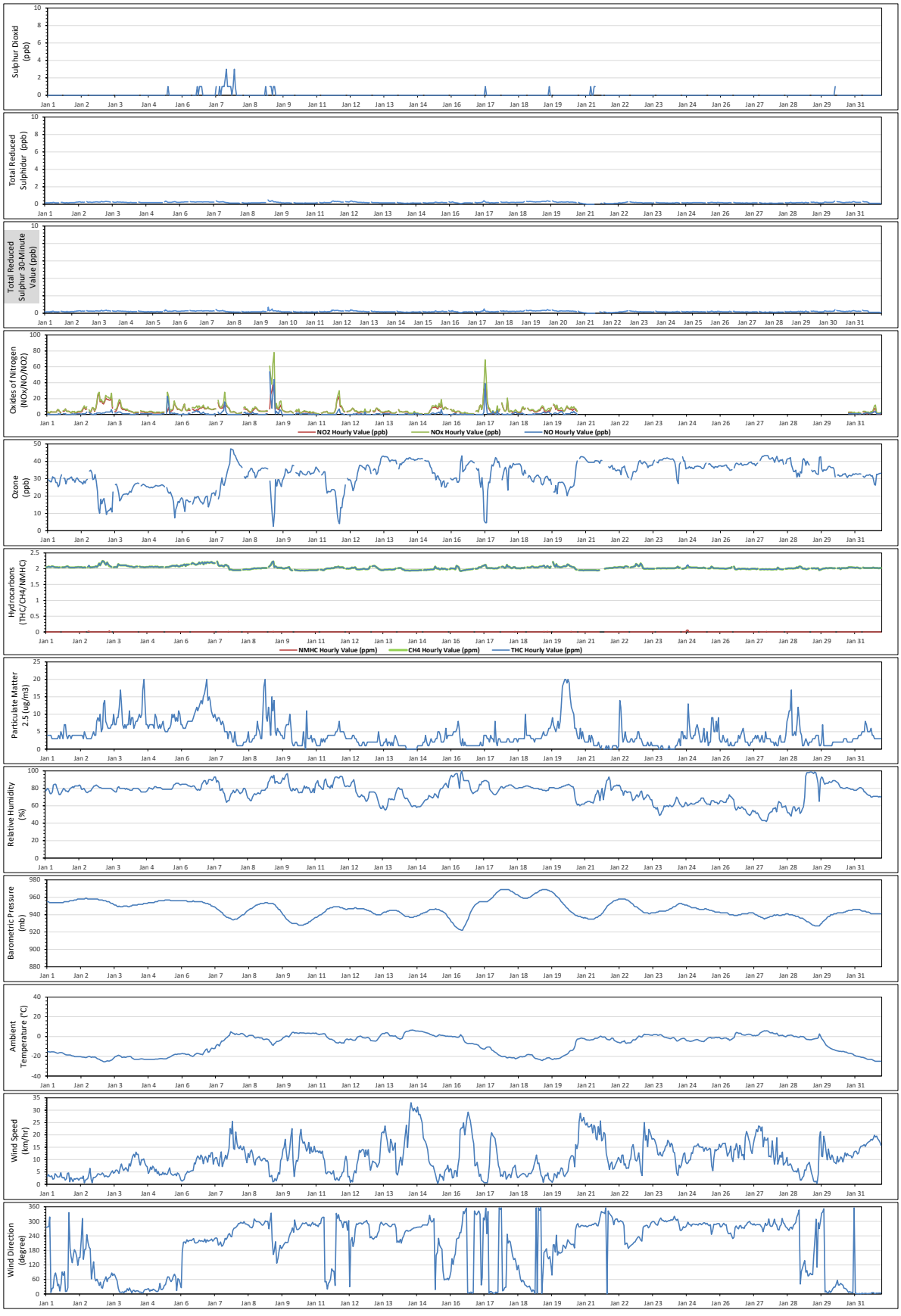
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.20	0.00	0.70	Jan 9 at 06:30	2.2	SW	0.30	Jan 19	100.0	95.1

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Jan 2025 - AQHI - Grimshaw Station



TABLES, CHARTS AND WIND ROSES

986-C STATION

Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

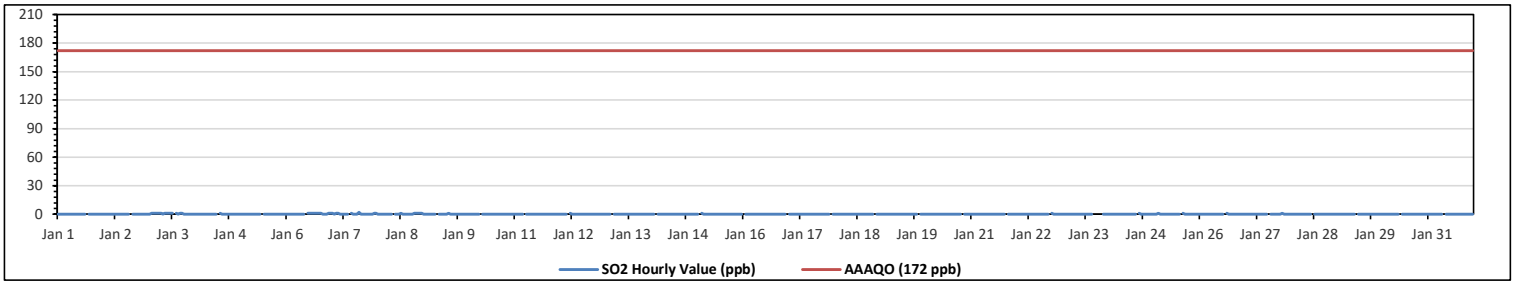
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

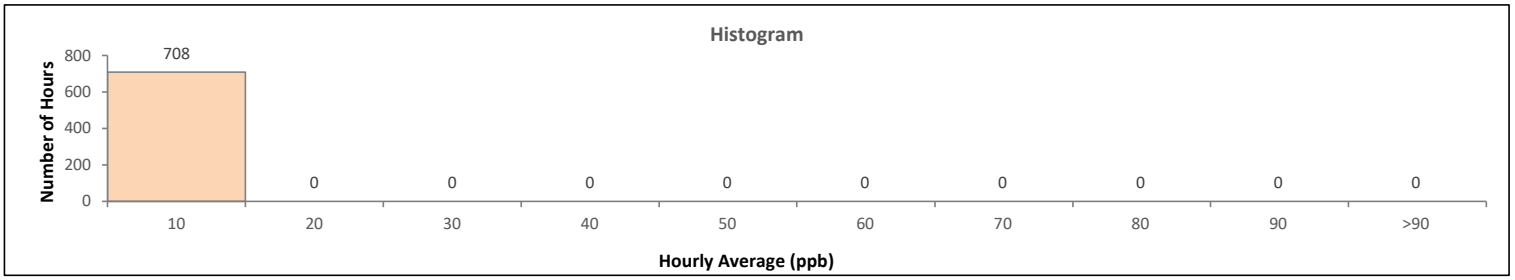
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	2	ppb	on Jan 7 at hr 14	Hours in Service:	744	
Maximum Daily Value:	0.6	ppb	on Jan 3	Hours of Data:	708	
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Jan 1	Hours of Calibration:	36	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 3	0	1	1	1	1	1	1	0	1	1	1	1	1	S	1	0	1	1	0	0	0	0	0	0	0	1	0.6
Jan 4	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	0	S	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	0.4
Jan 7	1	0	1	1	0	0	0	0	0	S	1	0	0	0	2	0	0	0	0	0	0	1	1	0	2	0.3
Jan 8	0	0	0	0	0	0	0	0	S	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	1	0.3
Jan 9	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 10	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 13	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 14	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 15	0	S	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 16	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	1	0.0
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	C	C	C	C	C	0	0	0	0	0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	1	0.0
Jan 25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	1	0.1
Jan 26	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	1	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 29	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 30	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 31	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



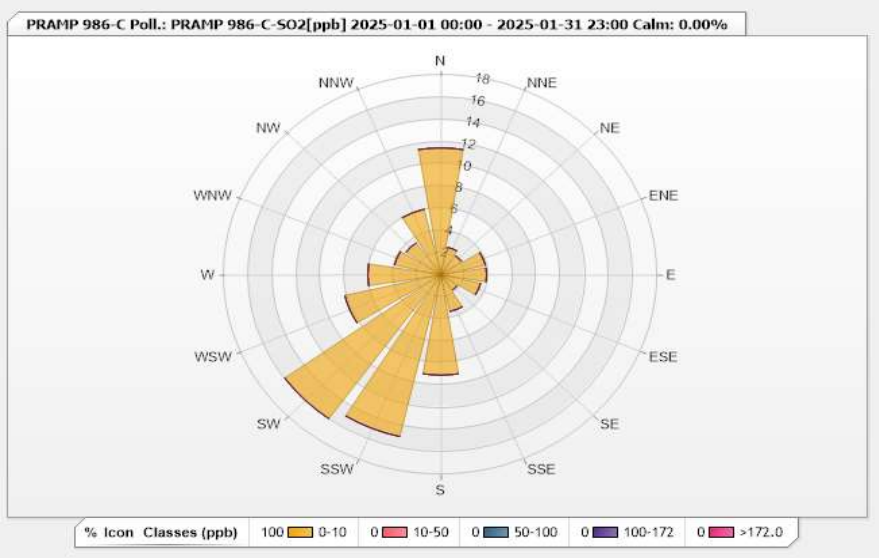


Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	11.44	0	0	0	0	11.44
NNE	2.54	0	0	0	0	2.54
NE	2.12	0	0	0	0	2.12
ENE	3.81	0	0	0	0	3.81
E	3.81	0	0	0	0	3.81
ESE	3.39	0	0	0	0	3.39
SE	1.69	0	0	0	0	1.69
SSE	3.39	0	0	0	0	3.39
S	9.04	0	0	0	0	9.04
SSW	14.97	0	0	0	0	14.97
SW	15.96	0	0	0	0	15.96
WSW	8.19	0	0	0	0	8.19
W	6.07	0	0	0	0	6.07
WNW	3.95	0	0	0	0	3.95
NW	3.53	0	0	0	0	3.53
NNW	6.07	0	0	0	0	6.07
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

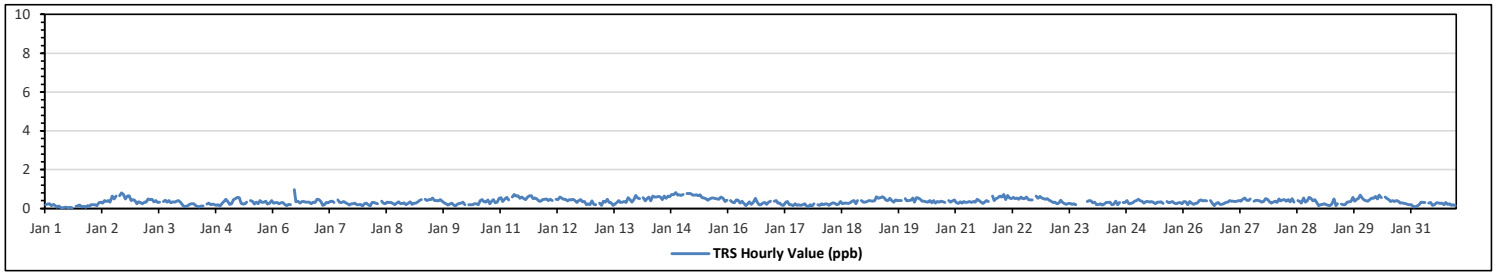
TOTAL REDUCED SULPHUR (TRS) in ppb

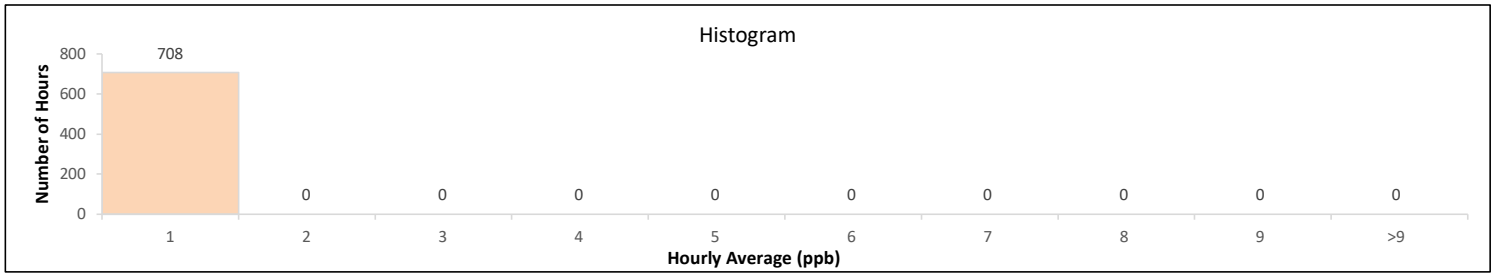
Maximum Hourly Value:	0.96	ppb	on Jan 6 at hr 11	Hours in Service:	744	
Maximum Daily Value:	0.59	ppb	on Jan 14	Hours of Data:	708	
Minimum Hourly Value:	0.03	ppb	on Jan 1 at hr 9	Hours of Missing Data:	0	
Minimum Daily Value:	0.11	ppb	on Jan 1	Hours of Calibration:	36	
Monthly Average:	0.35	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.18	0.22	0.24	0.15	0.21	0.15	0.05	0.12	0.04	0.03	0.05	0.06	0.03	0.05	0.03	S	0.11	0.14	0.17	0.08	0.11	0.05	0.14	0.1	0.03	0.24	0.11
Jan 2	0.2	0.19	0.2	0.15	0.29	0.33	0.28	0.4	0.35	0.41	0.33	0.63	0.49	0.64	S	0.65	0.8	0.72	0.49	0.64	0.65	0.42	0.45	0.41	0.15	0.80	0.44
Jan 3	0.25	0.34	0.3	0.23	0.32	0.33	0.49	0.45	0.47	0.34	0.41	0.31	0.33	S	0.35	0.43	0.32	0.42	0.29	0.34	0.32	0.38	0.41	0.33	0.23	0.49	0.35
Jan 4	0.18	0.09	0.11	0.15	0.22	0.23	0.25	0.14	0.11	0.08	0.13	0.12	S	0.22	0.28	0.19	0.22	0.18	0.16	0.18	0.12	0.27	0.38	0.48	0.08	0.48	0.20
Jan 5	0.35	0.21	0.24	0.45	0.51	0.57	0.55	0.26	0.22	0.25	0.33	S	0.42	0.36	0.22	0.33	0.24	0.4	0.3	0.32	0.38	0.22	0.28	0.41	0.21	0.57	0.34
Jan 6	0.28	0.29	0.31	0.23	0.29	0.31	0.21	0.14	0.21	0.18	S	**0.96**	0.34	0.37	0.28	0.35	0.35	0.32	0.33	0.33	0.24	0.33	0.31	0.47	0.14	**0.96**	0.32
Jan 7	0.46	0.36	0.16	0.19	0.3	0.29	0.35	0.37	0.3	S	0.44	0.31	0.31	0.35	0.3	0.24	0.17	0.23	0.23	0.28	0.19	0.2	0.21	0.13	0.13	0.46	0.28
Jan 8	0.25	0.28	0.19	0.13	0.31	0.3	0.27	0.24	S	0.38	0.27	0.24	0.32	0.3	0.3	0.26	0.19	0.28	0.34	0.23	0.26	0.29	0.19	0.26	0.13	0.38	0.26
Jan 9	0.34	0.21	0.26	0.28	0.33	0.4	0.46	S	0.48	0.41	0.46	0.46	0.53	0.41	0.41	0.39	0.46	0.37	0.29	0.24	0.17	0.22	0.27	0.2	0.17	0.53	0.35
Jan 10	0.12	0.22	0.26	0.27	0.33	0.19	S	0.2	0.19	0.19	0.23	0.25	0.2	0.4	0.46	0.35	0.33	0.44	0.25	0.35	0.46	0.29	0.33	0.52	0.12	0.52	0.30
Jan 11	0.56	0.35	0.49	0.57	0.44	S	0.59	0.71	0.64	0.65	0.52	0.58	0.51	0.45	0.59	0.65	0.66	0.5	0.53	0.47	0.37	0.37	0.45	0.47	0.35	0.71	0.53
Jan 12	0.49	0.42	0.48	0.42	S	0.47	0.45	0.58	0.53	0.48	0.48	0.39	0.46	0.44	0.47	0.41	0.3	0.42	0.46	0.34	0.36	0.18	0.23	0.2	0.18	0.58	0.41
Jan 13	0.39	0.21	0.18	S	0.27	0.16	0.37	0.32	0.47	0.3	0.3	0.16	0.22	0.3	0.42	0.3	0.33	0.35	0.31	0.56	0.45	0.33	0.45	0.67	0.16	0.67	0.34
Jan 14	0.54	0.51	S	0.55	0.39	0.52	0.59	0.39	0.64	0.58	0.59	0.62	0.58	0.45	0.64	0.52	0.64	0.61	0.71	0.7	0.82	0.68	0.7	0.67	0.39	0.82	**0.59**
Jan 15	0.73	S	0.76	0.76	0.77	0.69	0.69	0.7	0.66	0.7	0.56	0.53	0.5	0.43	0.49	0.53	0.53	0.5	0.49	0.48	0.6	0.52	0.35	0.43	0.35	0.77	0.58
Jan 16	S	0.42	0.33	0.29	0.44	0.43	0.28	0.37	0.26	0.15	0.25	0.34	0.21	0.3	0.52	0.34	0.2	0.19	0.28	0.3	0.21	0.3	0.38	S	0.15	0.52	0.31
Jan 17	0.38	0.42	0.28	0.28	0.17	0.16	0.32	0.35	0.19	0.19	0.14	0.25	0.16	0.19	0.16	0.19	0.24	0.15	0.08	0.18	0.13	0.23	S	0.18	0.08	0.42	0.22
Jan 18	0.16	0.23	0.2	0.25	0.22	0.16	0.23	0.29	0.26	0.2	0.22	0.36	0.23	0.28	0.28	0.26	0.29	0.38	0.42	0.25	0.41	S	0.41	0.33	0.16	0.42	0.27
Jan 19	0.33	0.36	0.4	0.39	0.37	0.41	0.61	0.52	0.55	0.61	0.53	0.43	0.4	0.52	0.41	0.33	0.44	0.41	0.42	0.42	S	0.5	0.39	0.41	0.33	0.61	0.44
Jan 20	0.43	0.54	0.32	0.55	0.54	0.48	0.37	0.38	0.34	0.32	0.4	0.29	0.42	0.27	0.36	0.32	0.37	0.34	0.3	S	0.4	0.32	0.39	0.44	0.27	0.55	0.39
Jan 21	0.3	0.26	0.34	0.27	0.35	0.3	0.32	0.36	0.31	0.35	0.33	0.47	0.41	0.32	0.26	0.32	0.41	0.35	S	0.63	0.42	0.51	0.55	0.63	0.26	0.63	0.38
Jan 22	0.6	0.73	0.46	0.67	0.53	0.51	0.57	0.51	0.53	0.47	0.59	0.51	0.5	0.59	0.46	0.44	0.44	S	0.63	0.52	0.62	0.53	0.5	0.48	0.44	0.73	0.54
Jan 23	0.51	0.43	0.38	0.31	0.33	0.24	0.28	0.43	0.31	0.26	0.21	0.26	0.26	0.21	0.25	0.19	C	C	C	C	C	0.36	0.41	0.39	0.19	0.51	0.32
Jan 24	0.29	0.32	0.2	0.21	0.25	0.17	0.22	0.3	0.3	0.32	0.18	0.21	0.37	0.19	0.3	S	0.31	0.31	0.4	0.25	0.26	0.29	0.38	0.42	0.17	0.42	0.28
Jan 25	0.47	0.39	0.37	0.28	0.35	0.36	0.33	0.36	0.31	0.25	0.32	0.32	0.34	0.26	S	0.35	0.29	0.33	0.35	0.27	0.23	0.29	0.31	0.24	0.23	0.47	0.32
Jan 26	0.36	0.34	0.19	0.36	0.28	0.21	0.26	0.28	0.42	0.44	0.39	0.42	0.39	S	0.4	0.26	0.14	0.26	0.3	0.21	0.21	0.24	0.3	0.32	0.14	0.44	0.30
Jan 27	0.41	0.37	0.37	0.35	0.38	0.42	0.38	0.48	0.54	0.43	0.42	0.49	S	0.37	0.43	0.42	0.39	0.33	0.36	0.51	0.47	0.36	0.27	0.33	0.27	0.54	0.40
Jan 28	0.37	0.3	0.49	0.39	0.44	0.46	0.37	0.46	0.34	0.51	0.33	S	0.4	0.36	0.27	0.54	0.32	0.42	0.57	0.52	0.39	0.45	0.3	0.15	0.15	0.57	0.40
Jan 29	0.19	0.21	0.25	0.2	0.16	0.14	0.22	0.49	0.14	0.25	S	0.22	0.18	0.2	0.32	0.34	0.36	0.57	0.38	0.47	0.51	0.69	0.54	0.44	0.14	0.69	0.32
Jan 30	0.39	0.38	0.46	0.54	0.52	0.62	0.49	0.68	0.55	S	0.6	0.51	0.45	0.36	0.4	0.36	0.41	0.37	0.28	0.29	0.26	0.25	0.21	0.19	0.19	0.68	0.42
Jan 31	0.18	0.08	0.09	0.13	0.2	0.32	0.3	0.3	S	0.27	0.3	0.16	0.19	0.29	0.29	0.26	0.27	0.18	0.3	0.21	0.23	0.16	0.18	0.15	0.08	0.32	0.22
Diurnal Maximum	0.73	0.73	0.76	0.76	0.77	0.69	0.69	0.71	0.66	0.70	0.60	0.96	0.58	0.64	0.64	0.65	0.80	0.72	0.71	0.70	0.82	0.69	0.70	0.67			
Diurnal Average	0.36	0.32	0.31	0.33	0.35	0.34	0.37	0.39	0.37	0.34	0.36	0.37	0.35	0.34	0.36	0.36	0.35	0.36	0.36	0.36	0.35	0.34	0.36	0.36			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

986-C Station - January 2025

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

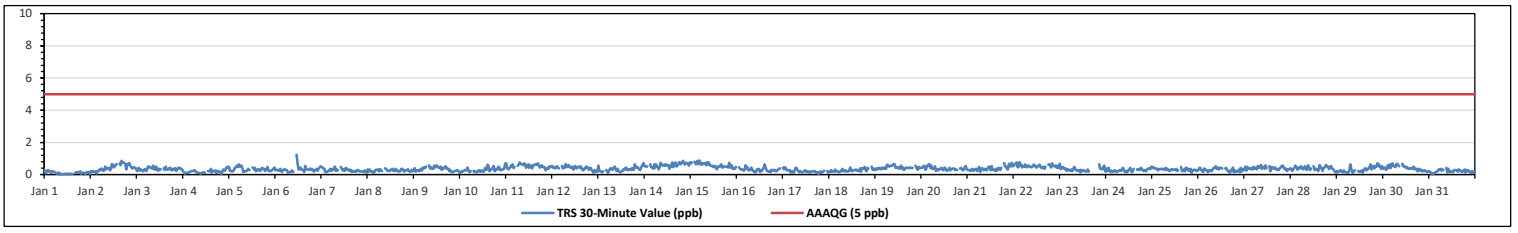
Maximum 30-Minute Value:	1.23 ppb	on Jan 6 at 11:00	# of Instrument in Service	1488
Maximum Daily Value:	0.59 ppb	on Jan 14	# of Valid Measurements	1416
Minimum 30-Minute Value:	0.02 ppb	Jan 1 at 09:30	# of Missing Measurements:	0
Minimum Daily Value:	0.11 ppb	on Jan 1	# of Calibration:	72
Monthly Average:	0.35 ppb		Operational Uptime:	100.0

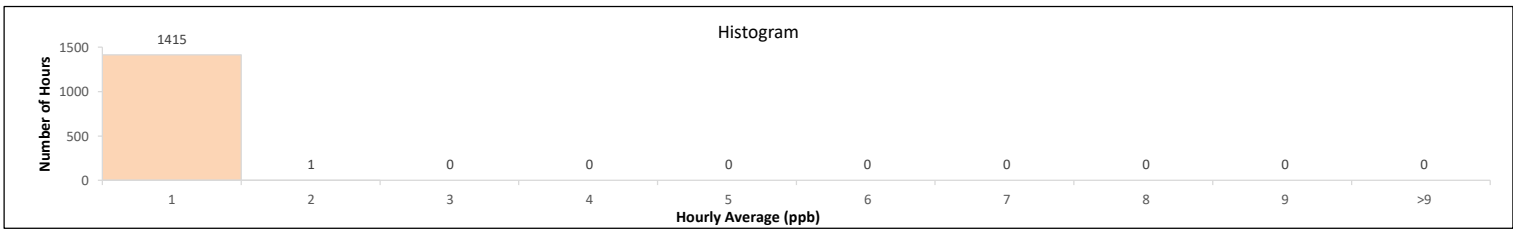
30-Minute Period Starting at (MST)	Jan 1	Jan 2	Jan 3	Jan 4	Jan 5	Jan 6	Jan 7	Jan 8	Jan 9	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Diurnal Maximum	Diurnal Average
00:00	0.28	0.23	0.23	0.22	0.46	0.26	0.48	0.33	0.27	0.1	0.71	0.55	0.57	0.53	0.7	S	0.44	0.16	0.39	0.43	0.3	0.55	0.68	0.19	0.44	0.29	0.32	0.4	0.22	0.36	0.2	0.71	0.38
00:30	0.09	0.18	0.28	0.15	0.24	0.3	0.44	0.18	0.4	0.14	0.41	0.42	0.22	0.55	0.76	S	0.32	0.17	0.28	0.44	0.29	0.64	0.34	0.39	0.49	0.42	0.5	0.33	0.15	0.43	0.16	0.76	0.34
01:00	0.16	0.23	0.43	0.06	0.23	0.31	0.37	0.32	0.19	0.23	0.32	0.46	0.23	0.5	S	0.46	0.46	0.29	0.38	0.54	0.3	0.71	0.38	0.23	0.39	0.41	0.25	0.22	0.19	0.45	0.14	0.71	0.33
01:30	0.29	0.14	0.25	0.11	0.2	0.27	0.35	0.24	0.23	0.21	0.38	0.38	0.19	0.51	S	0.39	0.38	0.18	0.34	0.54	0.22	0.76	0.48	0.41	0.39	0.28	0.49	0.37	0.24	0.31	0.03	0.76	0.32
02:00	0.3	0.19	0.32	0.12	0.2	0.25	0.15	0.18	0.3	0.23	0.42	0.44	0.14	S	0.8	0.33	0.27	0.21	0.41	0.31	0.33	0.46	0.42	0.25	0.38	0.23	0.39	0.42	0.3	0.33	0.09	0.80	0.31
02:30	0.19	0.21	0.28	0.1	0.28	0.37	0.17	0.21	0.23	0.29	0.56	0.52	0.21	S	0.72	0.33	0.28	0.18	0.39	0.33	0.36	0.46	0.34	0.14	0.36	0.16	0.35	0.56	0.19	0.59	0.08	0.72	0.31
03:00	0.2	0.08	0.21	0.14	0.43	0.28	0.16	0.11	0.23	0.28	0.51	0.45	S	0.63	0.65	0.33	0.27	0.32	0.32	0.57	0.24	0.79	0.39	0.25	0.26	0.38	0.38	0.47	0.13	0.45	0.1	0.79	0.33
03:30	0.1	0.21	0.24	0.16	0.47	0.17	0.23	0.14	0.34	0.26	0.63	0.39	S	0.46	0.86	0.25	0.3	0.18	0.45	0.54	0.3	0.56	0.24	0.16	0.31	0.34	0.33	0.31	0.27	0.63	0.16	0.86	0.33
04:00	0.21	0.25	0.34	0.21	0.56	0.26	0.26	0.3	0.25	0.45	0.4	S	0.28	0.42	0.65	0.3	0.13	0.24	0.39	0.66	0.34	0.62	0.32	0.22	0.36	0.29	0.44	0.42	0.18	0.4	0.18	0.66	0.34
04:30	0.21	0.32	0.31	0.23	0.46	0.33	0.35	0.31	0.42	0.22	0.48	S	0.25	0.36	0.89	0.59	0.21	0.2	0.36	0.41	0.36	0.44	0.33	0.29	0.34	0.27	0.33	0.46	0.14	0.65	0.22	0.89	0.36
05:00	0.17	0.27	0.23	0.24	0.64	0.33	0.23	0.28	0.34	0.14	S	0.54	0.1	0.63	0.77	0.39	0.21	0.14	0.47	0.58	0.23	0.53	0.26	0.19	0.36	0.14	0.48	0.39	0.15	0.71	0.33	0.77	0.35
05:30	0.13	0.39	0.43	0.22	0.51	0.29	0.34	0.33	0.46	0.24	S	0.39	0.22	0.41	0.61	0.47	0.11	0.18	0.35	0.37	0.37	0.48	0.22	0.15	0.36	0.27	0.35	0.53	0.12	0.52	0.3	0.61	0.34
06:00	0.07	0.33	0.53	0.29	0.52	0.3	0.28	0.21	0.41	S	0.55	0.49	0.35	0.65	0.71	0.26	0.23	0.19	0.62	0.35	0.48	0.64	0.33	0.21	0.3	0.28	0.43	0.41	0.13	0.5	0.35	0.71	0.38
06:30	0.04	0.22	0.44	0.21	0.57	0.13	0.41	0.34	0.51	S	0.62	0.42	0.4	0.52	0.67	0.3	0.41	0.28	0.6	0.38	0.16	0.49	0.22	0.24	0.36	0.24	0.33	0.33	0.31	0.47	0.25	0.67	0.36
07:00	0.12	0.29	0.47	0.15	0.37	0.14	0.51	0.25	S	0.25	0.75	0.66	0.33	0.46	0.72	0.29	0.41	0.37	0.52	0.53	0.32	0.47	0.37	0.3	0.43	0.22	0.54	0.39	0.64	0.67	0.32	0.75	0.41
07:30	0.12	0.51	0.43	0.13	0.15	0.14	0.24	0.24	S	0.16	0.67	0.51	0.31	0.33	0.68	0.45	0.28	0.21	0.51	0.24	0.4	0.56	0.49	0.29	0.3	0.34	0.42	0.53	0.35	0.68	0.28	0.68	0.37
08:00	0.03	0.33	0.37	0.11	0.24	0.16	0.33	S	0.58	0.21	0.66	0.46	0.44	0.53	0.58	0.26	0.24	0.21	0.56	0.34	0.37	0.57	0.35	0.23	0.35	0.43	0.46	0.37	0.18	0.57	S	0.66	0.36
08:30	0.05	0.38	0.57	0.11	0.21	0.26	0.26	S	0.38	0.17	0.62	0.6	0.51	0.74	0.75	0.26	0.14	0.3	0.55	0.34	0.26	0.49	0.26	0.38	0.26	0.41	0.61	0.3	0.1	0.52	S	0.75	0.37
09:00	0.03	0.42	0.37	0.09	0.25	0.19	S	0.39	0.46	0.14	0.58	0.52	0.36	0.6	0.65	0.16	0.22	0.21	0.56	0.26	0.37	0.46	0.3	0.43	0.24	0.53	0.36	0.59	0.22	S	0.41	0.65	0.36
09:30	0.02	0.4	0.31	0.06	0.25	0.17	S	0.38	0.37	0.23	0.71	0.43	0.24	0.56	0.75	0.15	0.16	0.19	0.66	0.37	0.34	0.47	0.23	0.21	0.26	0.35	0.49	0.42	0.28	S	0.13	0.75	0.33
10:00	0.04	0.26	0.5	0.13	0.37	S	0.49	0.3	0.36	0.29	0.62	0.47	0.37	0.62	0.58	0.17	0.15	0.22	0.63	0.37	0.26	0.56	0.28	0.14	0.34	0.45	0.46	0.28	S	0.68	0.35	0.68	0.37
10:30	0.05	0.4	0.32	0.14	0.28	S	0.38	0.24	0.56	0.16	0.42	0.5	0.22	0.55	0.54	0.34	0.14	0.23	0.42	0.43	0.4	0.62	0.15	0.22	0.29	0.33	0.37	0.38	S	0.52	0.24	0.62	0.34
11:00	0.05	0.67	0.25	0.14	S	1.23	0.27	0.25	0.46	0.26	0.53	0.31	0.17	0.65	0.57	0.33	0.22	0.44	0.41	0.28	0.51	0.57	0.31	0.14	0.33	0.39	0.58	S	0.21	0.55	0.15	1.23	0.39
11:30	0.07	0.58	0.37	0.11	S	0.7	0.34	0.24	0.46	0.25	0.63	0.46	0.14	0.59	0.48	0.35	0.28	0.27	0.46	0.3	0.44	0.46	0.21	0.29	0.31	0.44	0.4	S	0.23	0.47	0.18	0.70	0.36
12:00	0.03	0.45	0.33	S	0.45	0.33	0.23	0.3	0.58	0.17	0.42	0.54	0.2	0.58	0.46	0.17	0.18	0.21	0.43	0.45	0.27	0.44	0.25	0.3	0.3	0.4	S	0.53	0.17	0.42	0.23	0.58	0.34
12:30	0.04	0.53	0.33	S	0.4	0.34	0.4	0.34	0.48	0.23	0.6	0.38	0.24	0.58	0.54	0.25	0.15	0.26	0.37	0.39	0.55	0.55	0.28	0.43	0.37	0.38	S	0.28	0.2	0.48	0.15	0.60	0.36
13:00	0.07	0.65	S	0.24	0.31	0.44	0.4	0.36	0.42	0.43	0.51	0.42	0.32	0.35	0.53	0.24	0.22	0.26	0.47	0.25	0.3	0.56	0.21	0.23	0.23	S	0.52	0.36	0.27	0.37	0.29	0.65	0.35
13:30	0.04	0.63	S	0.2	0.42	0.31	0.3	0.24	0.4	0.36	0.39	0.46	0.29	0.56	0.32	0.36	0.16	0.29	0.57	0.3	0.34	0.62	0.21	0.15	0.29	S	0.21	0.35	0.13	0.35	0.29	0.63	0.33
14:00	0.03	S	0.4	0.21	0.2	0.31	0.27	0.24	0.51	0.31	0.58	0.53	0.4	0.51	0.45	0.42	0.11	0.32	0.37	0.29	0.27	0.44	0.18	0.24	S	0.39	0.48	0.29	0.3	0.36	0.3	0.58	0.33
14:30	0.04	S	0.3	0.35	0.25	0.26	0.33	0.36	0.31	0.62	0.59	0.42	0.45	0.77	0.53	0.63	0.21	0.25	0.44	0.43	0.24	0.48	0.32	0.37	S	0.41	0.39	0.24	0.34	0.43	0.29	0.77	0.38
15:00	S	0.7	0.51	0.13	0.33	0.17	0.2	0.24	0.33	0.5	0.65	0.5	0.3	0.46	0.55	0.4	0.19	0.3	0.29	0.27	0.38	0.4	0.18	S	0.48	0.27	0.45	0.61	0.4	0.38	0.19	0.70	0.37
15:30	S	0.59	0.34	0.25	0.34	0.54	0.29	0.29	0.44	0.2	0.65	0.33	0.29	0.59	0.51	0.27	0.18	0.21	0.37	0.37	0.27	0.48	C	S	0.21	0.25	0.39	0.46	0.27	0.35	0.33	0.65	0.36
16:00	0.12	0.85	0.31	0.25	0.22	0.38	0.16	0.18	0.4	0.28	0.6	0.26	0.34	0.76	0.63	0.22	0.23	0.39	0.45	0.35	0.4	0.36	C	0.33	0.24	0.14	0.44	0.41	0.35	0.51	0.29	0.85	0.36
16:30	0.1	0.74	0.34	0.19	0.27	0.32	0.19	0.21	0.52	0.39	0.71	0.35	0.33	0.51	0.43	0.19	0.24	0.18	0.43	0.39	0.41	0.51	C	0.3	0.33	0.13	0.33	0.23	0.37	0.32	0.25	0.74	0.34
17:00	0.16	0.76	0.42	0.26	0.43	0.31	0.24	0.21	0.36	0.34	0.56	0.34	0.3	0.56	0.51	0.23	0.15	0.4	0.41	0.38	0.29	S	C	0.34	0.2	0.29	0.3	0.4	0.48	0.37	0.17	0.76	0.35
17:30	0.13	0.69	0.42	0.11	0.37	0.33	0.23	0.35	0.38	0.54	0.44	0.51	0.4	0.66	0.5	0.14	0.15	0.35	0.4	0.3	0.41	S	C	0.28	0.45	0.24	0.35	0.45	0.65	0.37	0.18	0.69	0.37
18:00	0.15	0.65	0.27	0.1	0.36	0.39	0.17	0.37	0.35	0.2	0.47	0.44	0.31	0.79	0.5	0.31	0.14	0.35	0.44	0.32	S	0.62	C	0.42	0.31	0.45	0.31	0.54	0.32	0.2	0.27	0.79	0.36
18:30	0.2	0.33	0.3	0.22	0.24	0.28	0.29	0.31	0.23	0.3	0.59	0.47	0.31	0.64	0.48	0.25	0.03	0.49	0.4	0.28	S	0.63	C	0.38	0.39	0.15	0.4	0.6	0.44	0.35	0.33	0.64	0.36
19:00	0.05	0.66	0.36	0.2	0.32	0.36	0.3	0.19	0.31	0.37	0.48	0.31	0.64	0.66	0.5	0.29	0.15	0.31	0.42	S	0.73	0.59	C	0.27	0.22	0.26	0.46	0.51	0.54	0.34	0.13	0.73	0.38
19:30	0.1	0.63	0.32	0.16	0.33	0.3	0.25	0.26	0.17	0.33	0.46	0.36	0.48	0.74	0.45	0.31	0.2	0.2	0.41	S	0.52	0.45	C	0.22	0.32	0.17	0.55	0.53	0.39	0.24	0.3	0.74	0.35
20:00	0.12	0.72	0.4	0.05	0.49	0.18	0.18	0.27	0.17	0.51	0.46	0.43	0.42	0.86	0.74	0.22	0.12	0.43	S	0.39	0.5	0.69	C	0.29	0.37	0.19	0.56	0.34	0.53	0.31	0.28	0.86	0.39
20:30	0.11	0.57	0.24	0.18	0.27	0.3	0.2	0.26	0.17	0.42	0.27	0.29	0.47	0.77	0.45	0.2	0.14	0.38	S	0.41	0.34	0.54	0.65	0.23	0.1	0.23	0.39	0.44	0.48	0.21	0.18	0.77	0.33
21:00	0.06	0.46	0.33	0.32	0.23	0.29	0.2	0.34	0.2	0.29	0.33	0.24	0.35	0.62	0.45	0.29	0.21	S	0.56	0.37	0.33	0.53	0.36	0.24	0.28	0.31	0.32	0.55	0.7	0.21	0.22	0.70	0.34
21:30	0.05	0.39	0.43	0.23	0.21	0.37	0.19	0.25	0.24	0.28	0.42	0.13	0.3	0.74	0.59	0.31	0.25	S	0.44	0.27	0.68	0.52	0.36	0.35	0.3	0.17	0.39	0.36	0.68	0.29	0.1	0.74	0.34
22:00	0.16	0.45	0.4	0.28	0.26	0.25	0.16	0.16	0.25	0.29	0.37	0.3	0.39	0.71	0.36	0.38	S	0.5	0.31	0.31	0.59	0.58	0.33	0.39	0.31	0.41	0.23	0.34	0.51	0.23	0.13	0.71	0.34
22:30	0.12	0.46	0.42	0.47	0.3	0.38	0.27	0.21	0.3	0.37	0.52	0.16	0.51	0.7	0.35	0.38	S	0.31	0.48	0.46	0.51	0.42	0.49	0.36	0.3	0.19	0.31	0.26	0.57	0.18	0.23	0.70	0.37
23:00	0.16	0.42	0.32	0.45	0.38	0.42	0.14	0.31	0.25	0.35	0.46	0.22	0.61	0.57	0.37	S	0.23	0.36	0.4	0.55	0.74	0.53	0.57	0.34	0.23	0.37	0.32	0.17	0.36	0.14	0.12	0.74	0.36
23:30	0.05	0.4	0.33	0.5	0.44	0.53	0.12	0.21	0.15	0.69	0.49	0.19	0.73	0.76	0.49	S	0.13	0.3	0.43	0.34	0.52	0.42	0.2	0.51	0.25	0.26	0.33	0.12	0.52	0.23	0.17	0.76	0.36
Minimum	0.02	0.08	0.21	0.05	0.15	0.13	0.12	0.11	0.15	0.1	0.27	0.13	0.1	0.33	0.32	0.14	0.03	0.14	0.28	0.24	0.16	0.36	0.15	0.14	0.1	0.13	0.21	0.12	0.1	0.14	0.03		
Maximum	0.3	0.85	0.57	0.5	0.64	1.23	0.51	0.39	0.58	0.69	0.75	0.66	0.73	0.86	0.89	0.63	0.46	0.5	0.66	0.66	0.74	0.79	0.68	0.51	0.49	0.53	0.61	0.61	0.7	0.71	0.41		
Average	0.11	0.44	0.35	0.2	0.34	0.32	0.28	0.27	0.35	0.3	0.53	0.41	0.34	0.59	0.58	0.31	0.22	0.27	0.44	0.39	0.38	0.54	0.33	0.28	0.32	0.3	0.4	0.4	0.32	0.42	0.22		

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	P	Power Failure	X	InValid Data (Equipment Malfunction /Recovery)
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)		

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



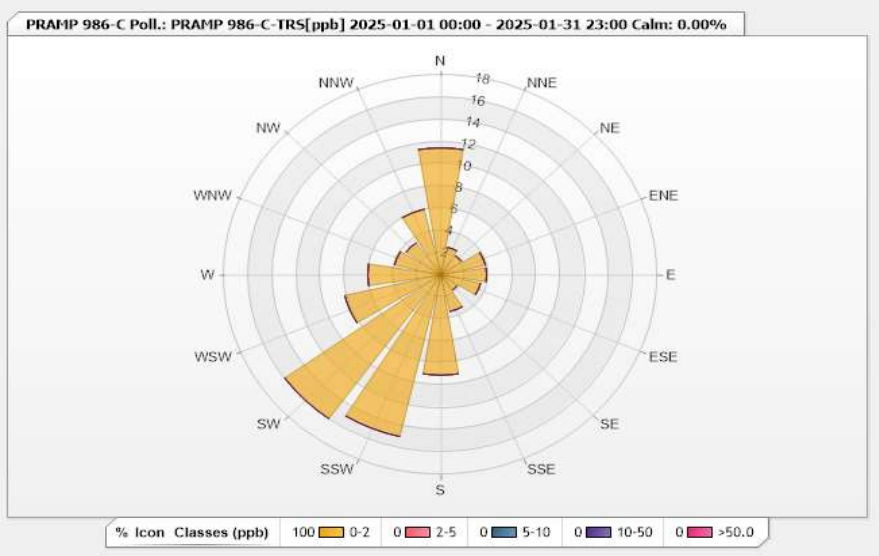


Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	11.44	0	0	0	0	11.44
NNE	2.54	0	0	0	0	2.54
NE	2.12	0	0	0	0	2.12
ENE	3.81	0	0	0	0	3.81
E	3.81	0	0	0	0	3.81
ESE	3.39	0	0	0	0	3.39
SE	1.69	0	0	0	0	1.69
SSE	3.39	0	0	0	0	3.39
S	9.04	0	0	0	0	9.04
SSW	14.97	0	0	0	0	14.97
SW	15.96	0	0	0	0	15.96
WSW	8.19	0	0	0	0	8.19
W	6.07	0	0	0	0	6.07
WNW	3.95	0	0	0	0	3.95
NW	3.53	0	0	0	0	3.53
NNW	6.07	0	0	0	0	6.07
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

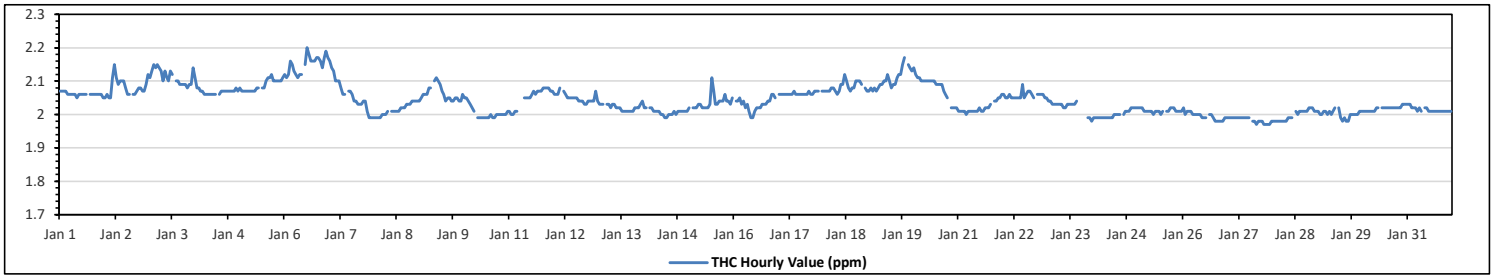
TOTAL HYDROCARBONS (THC) in ppm

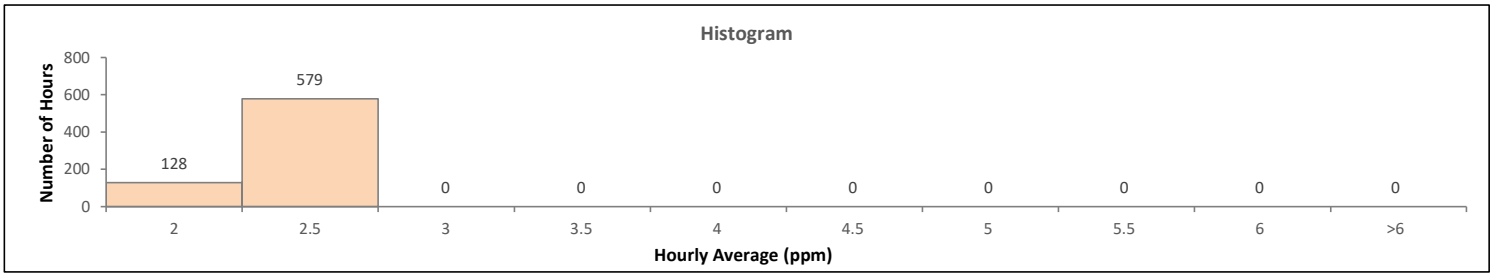
Maximum Hourly Value:	2.20	ppm	on Jan 6 at hr 12	Hours in Service:	744
Maximum Daily Value:	2.15	ppm	on Jan 6	Hours of Data:	707
Minimum Hourly Value:	1.97	ppm	on Jan 27 at hr 15	Hours of Missing Data:	1
Minimum Daily Value:	1.98	ppm	on Jan 27	Hours of Calibration:	36
Monthly Average:	2.04	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.05	2.06	2.06	2.06	2.06	2.06	S	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.07	2.06
Jan 2	2.05	2.06	2.05	2.05	2.11	2.15	2.11	2.09	2.10	2.10	2.10	2.08	2.06	2.06	S	2.06	2.06	2.07	2.08	2.08	2.07	2.07	2.09	2.12	2.05	2.15	2.08
Jan 3	2.11	2.13	2.15	2.14	2.15	2.14	2.13	2.10	2.13	2.11	2.10	2.13	2.12	S	2.10	2.10	2.09	2.09	2.09	2.09	2.08	2.09	2.09	2.14	2.08	2.15	2.11
Jan 4	2.11	2.08	2.08	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	S	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.06	2.11	2.07
Jan 5	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	S	2.08	2.08	2.10	2.11	2.11	2.12	2.10	2.10	2.10	2.10	2.10	2.11	2.07	2.12	2.09
Jan 6	2.12	2.11	2.12	2.16	2.15	2.13	2.12	2.11	2.12	2.12	S	2.15	**2.20**	2.18	2.16	2.16	2.16	2.17	2.17	2.16	2.14	2.17	2.19	2.17	2.11	**2.20**	**2.15**
Jan 7	2.16	2.14	2.13	2.10	2.10	2.10	2.08	2.06	2.06	S	2.07	2.07	2.06	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.01	1.99	1.99	1.99	1.99	2.16	2.06
Jan 8	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.01	S	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.04	1.99	2.04	2.01
Jan 9	2.04	2.05	2.06	2.06	2.06	2.08	2.08	S	2.10	2.11	2.10	2.09	2.07	2.06	2.04	2.05	2.05	2.04	2.04	2.05	2.05	2.04	2.04	2.06	2.04	2.11	2.06
Jan 10	2.05	2.05	2.04	2.03	2.02	2.01	S	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.01	1.99	2.05	2.01
Jan 11	2.01	2.00	2.00	2.01	2.01	S	2.02	NRM	2.05	2.05	2.05	2.05	2.06	2.07	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.07	2.07	2.00	2.08	2.05
Jan 12	2.06	2.06	2.06	2.08	S	2.07	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.03	2.03	2.04	2.04	2.04	2.04	2.07	2.04	2.03	2.08	2.05
Jan 13	2.03	2.03	2.03	S	2.03	2.03	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.03	2.04	2.01	2.04	2.02
Jan 14	2.02	2.02	S	2.02	2.02	2.01	2.01	2.01	2.01	2.00	2.00	1.99	1.99	2.00	2.00	2.00	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	1.99	2.02	2.01
Jan 15	2.02	S	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.02	2.03	2.11	2.07	2.03	2.03	2.04	2.04	2.04	2.06	2.04	2.04	2.03	2.05	2.02	2.11	2.04
Jan 16	S	2.04	2.04	2.05	2.03	2.04	2.02	2.03	2.01	1.99	1.99	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.06	2.06	2.05	S	1.99	2.06	2.03
Jan 17	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.07	2.07	2.07	S	2.07	2.06	2.07	2.06
Jan 18	2.07	2.07	2.07	2.07	2.08	2.08	2.07	2.06	2.07	2.09	2.09	2.12	2.10	2.08	2.07	2.08	2.08	2.10	2.10	2.10	2.09	S	2.08	2.07	2.06	2.12	2.08
Jan 19	2.07	2.08	2.07	2.08	2.07	2.08	2.09	2.09	2.10	2.10	2.12	2.10	2.08	2.09	2.09	2.11	2.12	2.12	2.15	2.17	S	2.15	2.14	2.13	2.07	2.17	2.10
Jan 20	2.14	2.12	2.11	2.11	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.09	2.09	2.09	2.09	2.07	2.06	2.05	S	2.02	2.02	2.02	2.02	2.02	2.14	2.08
Jan 21	2.01	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.02	2.02	2.02	2.03	S	2.04	2.04	2.05	2.05	2.06	2.00	2.06	2.02
Jan 22	2.06	2.05	2.05	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.09	2.05	2.06	2.07	2.07	2.06	2.05	S	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.09	2.06
Jan 23	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	C	C	C	C	C	1.99	1.99	1.98	1.98	2.04	2.02
Jan 24	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	S	2.00	2.01	2.01	2.01	2.02	2.02	2.02	2.02	1.99	2.02	2.00
Jan 25	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.00	2.01	S	2.01	2.01	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.00	2.02	2.01
Jan 26	2.02	2.00	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	S	2.00	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.98	2.02	2.00
Jan 27	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.98	1.98	1.97	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.98	1.97	1.99	1.98
Jan 28	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.99	S	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.01	2.01	1.98	2.02	2.00
Jan 29	2.01	2.00	2.00	2.01	2.01	2.00	2.01	2.00	2.01	2.02	S	2.02	1.99	1.98	1.99	1.98	1.98	2.00	2.00	2.00	2.00	2.00	2.01	2.01	1.98	2.02	2.00
Jan 30	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.01	2.03	2.02
Jan 31	2.03	2.03	2.02	2.02	2.02	2.01	2.02	2.01	S	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.03	2.01
Diurnal Maximum	2.16	2.14	2.15	2.16	2.15	2.15	2.13	2.11	2.13	2.12	2.12	2.15	2.20	2.18	2.16	2.16	2.16	2.17	2.17	2.17	2.14	2.17	2.19	2.17			
Diurnal Average	2.05	2.05	2.04	2.05	2.04	2.05	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.05			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



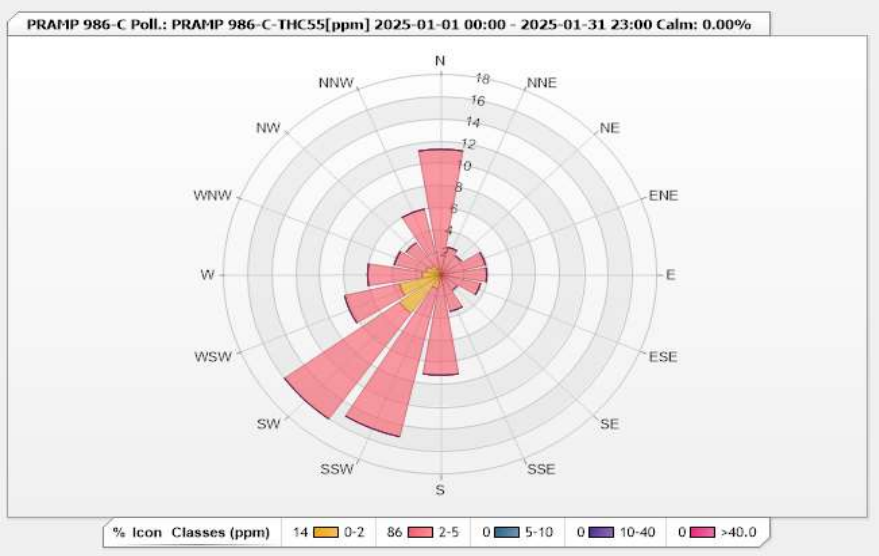


Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0.14	11.17	0	0	0	11.31
NNE	0	2.55	0	0	0	2.55
NE	0	2.12	0	0	0	2.12
ENE	0	3.82	0	0	0	3.82
E	0	3.82	0	0	0	3.82
ESE	0.28	3.11	0	0	0	3.39
SE	0.14	1.56	0	0	0	1.7
SSE	0	3.39	0	0	0	3.39
S	0.28	8.77	0	0	0	9.05
SSW	1.27	13.72	0	0	0	14.99
SW	4.24	11.74	0	0	0	15.98
WSW	3.54	4.67	0	0	0	8.21
W	1.56	4.53	0	0	0	6.09
WNW	1.27	2.69	0	0	0	3.96
NW	0.99	2.55	0	0	0	3.54
NNW	0.57	5.52	0	0	0	6.09
Summary	14.28	85.73	0	0	0	100



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

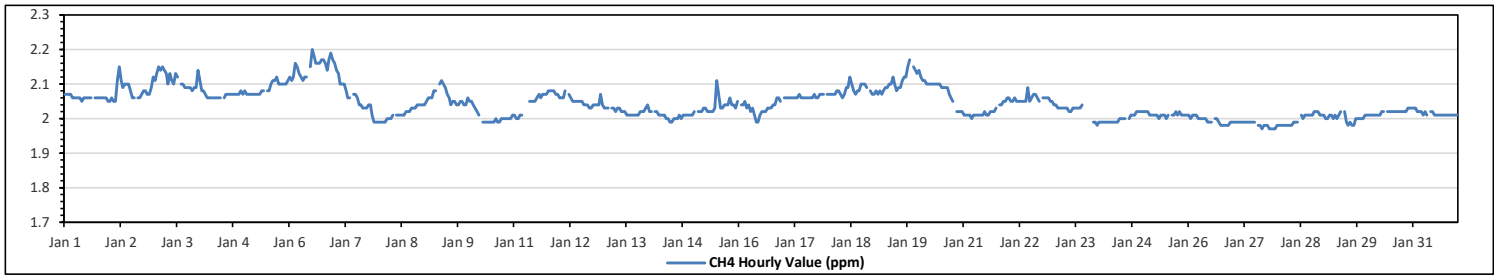
METHANE (CH4) in ppm

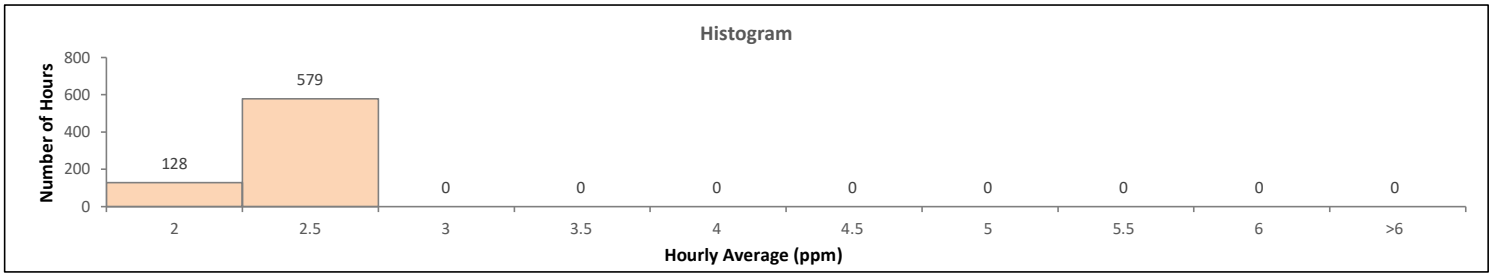
Maximum Hourly Value:	2.20	ppm	on Jan 6 at hr 12	Hours in Service:	744
Maximum Daily Value:	2.15	ppm	on Jan 6	Hours of Data:	707
Minimum Hourly Value:	1.97	ppm	on Jan 27 at hr 15	Hours of Missing Data:	1
Minimum Daily Value:	1.98	ppm	on Jan 27	Hours of Calibration:	36
Monthly Average:	2.04	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.07	2.07	2.07	2.07	2.06	2.06	2.06	2.06	2.06	2.05	2.06	2.06	2.06	2.06	2.06	S	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.07	2.06
Jan 2	2.05	2.06	2.05	2.05	2.11	2.15	2.11	2.09	2.10	2.10	2.10	2.08	2.06	2.06	S	2.06	2.06	2.07	2.08	2.08	2.07	2.07	2.09	2.12	2.05	2.15	2.08
Jan 3	2.11	2.13	2.15	2.14	2.15	2.14	2.13	2.10	2.13	2.11	2.10	2.13	2.12	S	2.10	2.10	2.09	2.09	2.09	2.09	2.08	2.09	2.09	2.14	2.08	2.15	2.11
Jan 4	2.11	2.08	2.08	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	S	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.07	2.06	2.11	2.07
Jan 5	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	S	2.08	2.08	2.10	2.11	2.11	2.12	2.10	2.10	2.10	2.10	2.10	2.11	2.07	2.12	2.09
Jan 6	2.12	2.11	2.12	2.16	2.15	2.13	2.12	2.11	2.12	2.12	S	2.15	**2.20**	2.18	2.16	2.16	2.16	2.17	2.17	2.16	2.14	2.17	2.19	2.17	2.11	**2.20**	**2.15**
Jan 7	2.16	2.14	2.13	2.10	2.10	2.10	2.08	2.06	2.06	S	2.07	2.07	2.06	2.04	2.04	2.03	2.03	2.03	2.04	2.04	2.01	1.99	1.99	1.99	1.99	2.16	2.06
Jan 8	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.01	S	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.04	1.99	2.04	2.01
Jan 9	2.04	2.05	2.06	2.06	2.06	2.08	2.08	S	2.10	2.11	2.10	2.09	2.07	2.06	2.04	2.05	2.05	2.04	2.04	2.05	2.05	2.04	2.04	2.06	2.04	2.11	2.06
Jan 10	2.05	2.05	2.04	2.03	2.02	2.01	S	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.01	1.99	2.05	2.01
Jan 11	2.01	2.00	2.00	2.01	2.01	S	2.02	NRM	2.05	2.05	2.05	2.05	2.06	2.07	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.07	2.07	2.00	2.08	2.05
Jan 12	2.06	2.06	2.06	2.08	S	2.07	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.03	2.03	2.04	2.04	2.04	2.04	2.07	2.04	2.03	2.08	2.05
Jan 13	2.03	2.03	2.03	S	2.03	2.03	2.02	2.03	2.03	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.03	2.04	2.01	2.04	2.02
Jan 14	2.02	2.02	S	2.02	2.02	2.01	2.01	2.01	2.01	2.00	2.00	1.99	1.99	2.00	2.00	2.00	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	1.99	2.02	2.01
Jan 15	2.02	S	2.02	2.02	2.02	2.03	2.03	2.02	2.02	2.02	2.02	2.03	2.11	2.07	2.03	2.03	2.04	2.04	2.04	2.06	2.04	2.04	2.03	2.05	2.02	2.11	2.04
Jan 16	S	2.04	2.04	2.05	2.03	2.04	2.02	2.03	2.01	1.99	1.99	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.06	2.06	2.05	S	1.99	2.06	2.03
Jan 17	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.06	2.06	2.07	2.07	2.07	S	2.07	2.06	2.07	2.06
Jan 18	2.07	2.07	2.07	2.07	2.08	2.08	2.07	2.06	2.07	2.09	2.09	2.12	2.10	2.08	2.07	2.08	2.08	2.10	2.10	2.10	2.09	S	2.08	2.07	2.06	2.12	2.08
Jan 19	2.07	2.08	2.07	2.08	2.07	2.08	2.09	2.09	2.10	2.10	2.12	2.10	2.08	2.09	2.09	2.11	2.12	2.12	2.15	2.17	S	2.15	2.14	2.13	2.07	2.17	2.10
Jan 20	2.14	2.12	2.11	2.11	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.09	2.09	2.09	2.09	2.07	2.06	2.05	S	2.02	2.02	2.02	2.02	2.02	2.14	2.08
Jan 21	2.01	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.02	2.02	2.02	2.03	S	2.04	2.04	2.05	2.05	2.06	2.00	2.06	2.02
Jan 22	2.06	2.05	2.05	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.09	2.05	2.06	2.07	2.07	2.06	2.05	S	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.09	2.06
Jan 23	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	C	C	C	C	C	1.99	1.99	1.98	1.98	2.04	2.02
Jan 24	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	S	2.00	2.01	2.01	2.01	2.02	2.02	2.02	2.02	1.99	2.02	2.00
Jan 25	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.01	2.01	2.00	2.01	S	2.01	2.01	2.02	2.01	2.02	2.01	2.01	2.01	2.01	2.00	2.02	2.01
Jan 26	2.01	2.00	2.01	2.01	2.01	2.00	2.00	2.00	2.00	2.00	1.99	1.99	1.99	S	2.00	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.98	2.01	1.99
Jan 27	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.98	1.98	1.97	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.98	1.97	1.99	1.98
Jan 28	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.99	S	2.01	2.00	2.01	2.01	2.01	2.01	2.01	2.02	2.02	2.02	2.01	2.01	1.98	2.02	2.00
Jan 29	2.01	2.00	2.00	2.01	2.01	2.00	2.01	2.00	2.01	2.02	S	2.02	1.99	1.98	1.99	1.98	1.98	2.00	2.00	2.00	2.00	2.00	2.01	2.01	1.98	2.02	2.00
Jan 30	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.01	2.03	2.02
Jan 31	2.03	2.03	2.02	2.02	2.02	2.01	2.02	2.01	S	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.03	2.01
Diurnal Maximum	2.16	2.14	2.15	2.16	2.15	2.15	2.13	2.11	2.13	2.12	2.12	2.15	2.20	2.18	2.16	2.16	2.16	2.17	2.17	2.17	2.14	2.17	2.19	2.17			
Diurnal Average	2.05	2.05	2.04	2.05	2.04	2.05	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.05	2.05	2.04	2.04	2.04	2.05			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



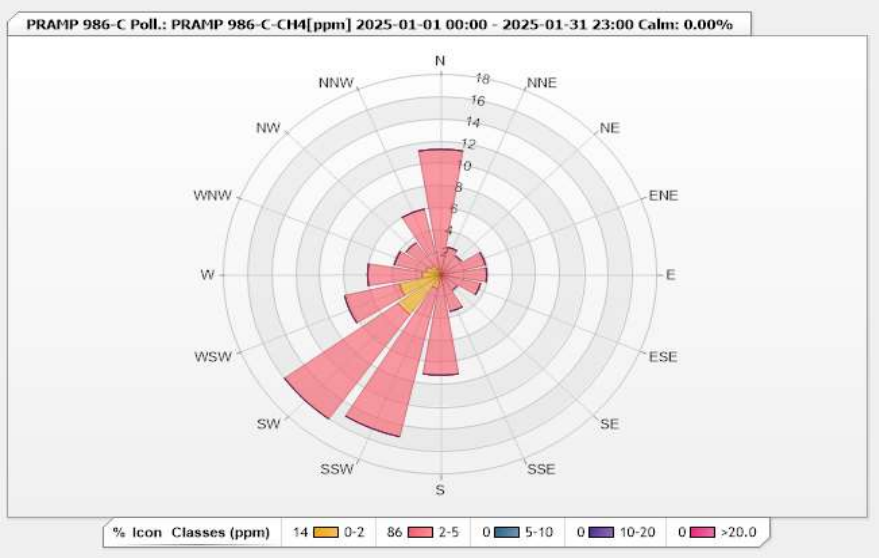


Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0.14	11.17	0	0	0	11.31
NNE	0	2.55	0	0	0	2.55
NE	0	2.12	0	0	0	2.12
ENE	0	3.82	0	0	0	3.82
E	0	3.82	0	0	0	3.82
ESE	0.28	3.11	0	0	0	3.39
SE	0.14	1.56	0	0	0	1.7
SSE	0	3.39	0	0	0	3.39
S	0.28	8.77	0	0	0	9.05
SSW	1.27	13.72	0	0	0	14.99
SW	4.38	11.6	0	0	0	15.98
WSW	3.54	4.67	0	0	0	8.21
W	1.56	4.53	0	0	0	6.09
WNW	1.27	2.69	0	0	0	3.96
NW	0.99	2.55	0	0	0	3.54
NNW	0.57	5.52	0	0	0	6.09
Summary	14.42	85.59	0	0	0	100



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

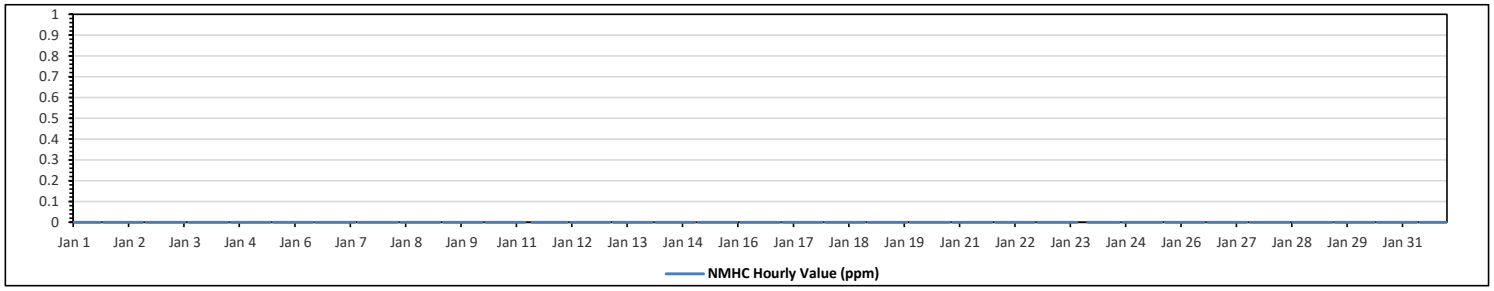
NON-METHANE HYDROCARBONS (NMHC) in ppm

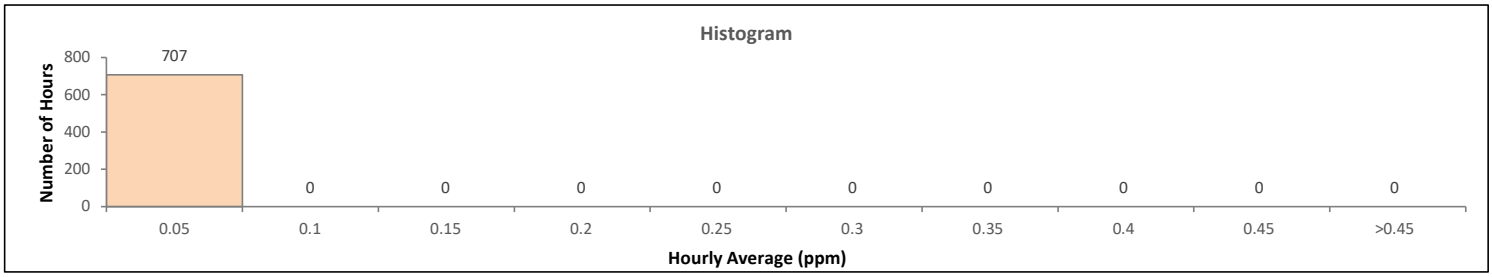
Maximum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Jan 1	Hours of Data:	707
Minimum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours of Missing Data:	1
Minimum Daily Value:	0.00	ppm	on Jan 1	Hours of Calibration:	36
Monthly Average:	0.00	ppm		Operational Uptime:	99.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 10	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 11	0.00	0.00	0.00	0.00	0.00	S	0.00	NRM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 12	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 13	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 14	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 15	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 16	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Jan 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Jan 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Jan 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Jan 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00
Jan 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



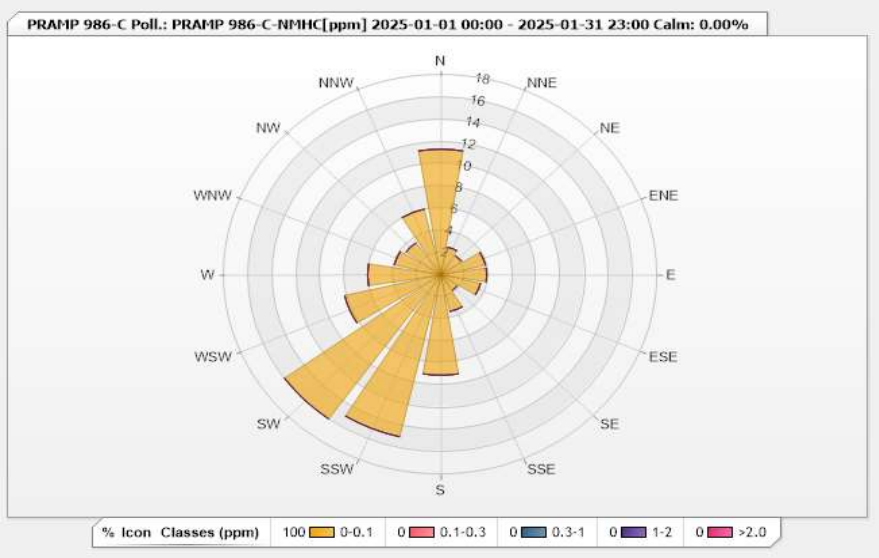


Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	11.32	0	0	0	0	11.32
NNE	2.55	0	0	0	0	2.55
NE	2.12	0	0	0	0	2.12
ENE	3.82	0	0	0	0	3.82
E	3.82	0	0	0	0	3.82
ESE	3.39	0	0	0	0	3.39
SE	1.7	0	0	0	0	1.7
SSE	3.39	0	0	0	0	3.39
S	9.05	0	0	0	0	9.05
SSW	14.99	0	0	0	0	14.99
SW	15.98	0	0	0	0	15.98
WSW	8.2	0	0	0	0	8.2
W	6.08	0	0	0	0	6.08
WNW	3.96	0	0	0	0	3.96
NW	3.54	0	0	0	0	3.54
NNW	6.08	0	0	0	0	6.08
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

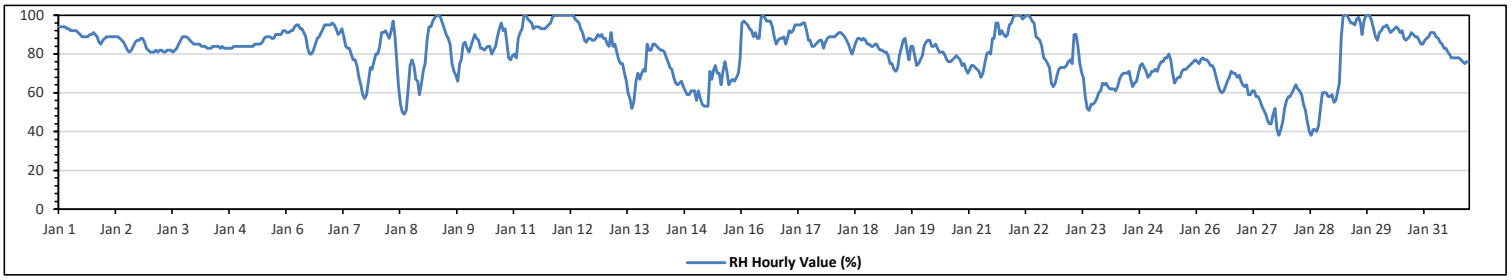
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jan 9 at hr 7	Hours in Service:	744
Maximum Daily Value:	94.1	%	on Jan 11	Hours of Data:	744
Minimum Hourly Value:	38	%	on Jan 27 at hr 19	Hours of Missing Data:	0
Minimum Daily Value:	52.7	%	on Jan 27	Hours of Calibration:	0
Monthly Average:	80.3	%		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	94	94	94	94	93	93	92	92	92	92	91	90	89	89	89	89	90	90	91	90	89	86	85	87	85	94	90.6
Jan 2	88	89	89	89	89	89	89	89	88	87	86	84	82	81	82	84	86	87	87	88	88	86	83	82	81	89	86.3
Jan 3	81	81	81	82	81	82	82	81	81	82	82	82	81	82	83	85	87	89	89	89	88	87	86	85	81	89	83.7
Jan 4	85	85	85	84	84	84	83	83	83	84	84	84	84	83	84	83	83	83	83	83	84	84	84	84	83	85	83.8
Jan 5	84	84	84	84	84	84	84	85	85	85	85	86	88	89	89	89	88	88	90	90	90	90	92	92	84	92	87.0
Jan 6	91	91	92	92	94	95	95	93	93	91	89	83	80	80	82	85	88	89	91	93	95	95	95	95	80	95	90.3
Jan 7	96	95	93	90	91	93	89	84	83	83	80	77	77	74	68	64	59	57	59	66	73	72	76	80	57	96	78.3
Jan 8	80	84	91	91	92	90	88	92	97	89	77	63	54	50	49	51	62	74	77	74	67	66	59	64	49	97	74.2
Jan 9	71	75	87	94	94	97	99	**100**	**100**	99	96	93	90	88	85	75	71	69	66	75	77	85	86	83	66	**100**	85.6
Jan 10	81	84	87	90	88	87	83	83	82	83	84	84	80	82	84	89	93	96	92	93	85	78	77	79	77	96	85.2
Jan 11	80	78	88	91	93	**100**	**100**	98	97	96	93	94	94	94	93	93	93	94	95	96	99	**100**	**100**	**100**	78	**100**	**94.1**
Jan 12	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	98	97	96	93	91	87	86	88	88	87	87	88	90	89	90	88	86	**100**	93.5
Jan 13	88	85	84	91	84	85	81	77	75	75	70	66	60	57	52	55	66	70	67	70	72	71	85	82	52	91	73.7
Jan 14	82	85	85	84	83	82	82	81	78	76	73	72	68	65	64	65	66	63	61	59	59	61	61	61	59	85	71.5
Jan 15	56	61	57	54	53	53	53	71	67	72	74	70	70	64	71	76	71	64	66	67	66	68	70	77	53	77	65.5
Jan 16	96	97	96	95	93	92	89	91	88	88	99	**100**	99	97	97	97	94	89	85	87	88	88	89	85	85	**100**	92.5
Jan 17	88	92	91	92	95	95	95	95	96	96	92	87	87	84	84	85	86	87	87	83	86	88	89	89	83	96	89.5
Jan 18	89	89	90	91	91	90	89	87	85	82	80	83	86	88	88	87	88	87	85	85	84	84	85	85	80	91	86.6
Jan 19	83	82	82	81	81	79	75	75	72	71	73	79	83	87	88	82	77	84	84	79	74	75	77	79	71	88	79.3
Jan 20	84	86	87	87	84	84	85	83	81	81	81	79	77	76	76	77	78	79	78	77	74	75	72	70	70	87	79.6
Jan 21	72	74	74	73	72	71	68	70	75	80	81	80	88	88	96	96	90	92	90	89	90	95	96	99	68	99	83.3
Jan 22	**100**	**100**	**100**	**100**	98	99	**100**	**100**	99	97	96	89	88	87	84	78	77	75	73	65	63	65	69	72	63	**100**	86.4
Jan 23	73	73	73	74	76	77	75	90	90	84	75	70	68	58	52	51	54	54	55	57	60	61	65	64	51	90	67.9
Jan 24	65	63	62	62	62	61	63	67	69	70	70	70	71	67	63	65	66	70	74	75	73	71	68	69	61	75	67.3
Jan 25	71	71	72	71	74	76	76	78	78	80	77	70	65	67	68	68	71	72	72	73	74	75	76	77	65	80	73.0
Jan 26	76	75	77	78	77	77	76	74	74	72	68	64	61	60	61	63	66	68	71	70	70	68	69	66	60	78	70.0
Jan 27	64	63	64	59	59	61	61	58	58	56	53	51	49	46	44	44	49	52	41	**38**	41	45	52	56	**38**	64	**52.7**
Jan 28	58	58	60	62	64	62	61	59	54	51	45	40	**38**	41	41	40	43	52	60	60	60	58	58	59	**38**	64	53.5
Jan 29	55	56	60	65	89	**100**	**100**	**100**	98	96	96	95	98	99	96	90	97	**100**	**100**	**100**	97	93	89	87	55	**100**	89.8
Jan 30	91	92	94	94	95	93	91	92	93	94	93	91	92	88	87	88	89	91	90	89	89	87	85	85	85	95	90.5
Jan 31	87	88	89	91	91	91	89	88	86	85	83	83	81	80	78	78	78	78	78	77	76	75	76	76	75	91	82.6
Diurnal Maximum	100	100	100	100	100	100	100	100	100	99	99	100	99	99	97	97	97	100	100	100	99	100	100	100			
Diurnal Average	80.9	81.6	82.8	83.4	84.0	84.6	83.6	84.4	83.7	83.0	81.4	79.1	78.0	76.7	76.3	76.1	77.2	78.4	78.2	78.2	78.1	78.1	78.8	79.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

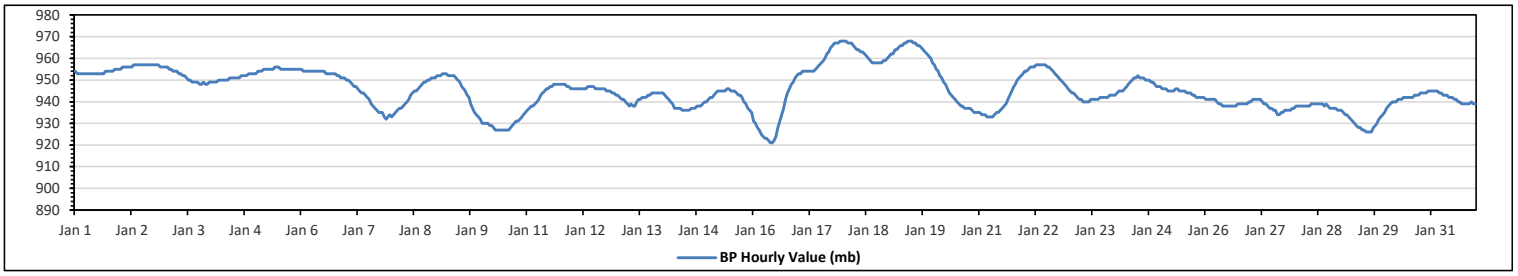
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	968	mb	on Jan 17 at hr 22	Hours in Service:	744
Maximum Daily Value:	964	mb	on Jan 19	Hours of Data:	744
Minimum Hourly Value:	921	mb	on Jan 16 at hr 9	Hours of Missing Data:	0
Minimum Daily Value:	929	mb	on Jan 10	Hours of Calibration:	0
Monthly Average:	945	mb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	954	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	954	954	954	954	954	955	955	955	953	955	954
Jan 2	955	956	956	956	956	956	956	957	957	957	957	957	957	957	957	957	957	957	957	957	957	956	956	956	955	957	957
Jan 3	956	956	955	955	954	954	954	953	953	952	952	951	950	950	949	949	949	949	948	948	949	948	948	949	948	956	951
Jan 4	949	949	949	949	950	950	950	950	950	950	951	951	951	951	951	951	952	952	952	952	953	953	953	953	949	953	951
Jan 5	953	954	954	954	955	955	955	955	955	955	956	956	956	955	955	955	955	955	955	955	955	955	955	955	953	956	955
Jan 6	955	954	954	954	954	954	954	954	954	954	954	954	954	953	953	953	953	953	953	952	952	951	951	951	951	955	953
Jan 7	950	950	949	948	947	947	946	945	944	944	943	942	941	939	938	937	936	935	935	935	933	932	933	934	932	950	941
Jan 8	933	934	935	936	937	937	938	939	940	941	943	944	945	945	946	947	948	949	949	950	950	951	951	951	933	951	943
Jan 9	952	952	952	953	953	953	952	952	952	952	951	950	949	947	946	945	943	942	939	937	935	934	933	932	932	953	946
Jan 10	930	930	930	930	929	929	928	927	927	927	927	927	927	927	927	928	929	930	931	931	932	933	934	935	927	935	**929**
Jan 11	936	937	938	938	939	940	941	943	944	945	946	946	947	947	948	948	948	948	948	948	948	947	947	946	936	948	944
Jan 12	946	946	946	946	946	946	946	946	947	947	947	947	946	946	946	946	946	946	945	945	945	944	944	943	943	947	946
Jan 13	943	942	941	941	940	939	938	939	938	938	940	941	941	942	942	942	943	943	944	944	944	944	944	944	938	944	942
Jan 14	944	943	942	941	940	939	937	937	937	937	936	936	936	936	936	937	937	937	938	938	938	939	940	940	936	944	938
Jan 15	941	942	942	943	944	945	945	945	945	945	946	946	945	945	945	944	943	943	942	940	939	937	936	935	935	946	943
Jan 16	931	930	928	927	925	924	923	923	922	**921**	**921**	922	924	928	931	934	937	941	944	946	948	949	951	952	**921**	952	933
Jan 17	953	953	954	954	954	954	954	954	954	955	956	957	958	959	960	962	963	965	966	967	967	967	**968**	**968**	953	**968**	959
Jan 18	**968**	**968**	967	967	967	966	965	964	964	963	963	962	961	960	959	958	958	958	958	958	958	959	959	960	958	**968**	962
Jan 19	961	962	962	964	964	965	966	966	967	967	**968**	**968**	**968**	967	967	966	966	965	964	963	962	961	960	958	958	**968**	**964**
Jan 20	957	955	954	952	951	949	948	946	944	943	942	941	940	939	938	938	937	937	937	937	936	935	935	935	935	957	943
Jan 21	935	934	934	934	933	933	933	933	934	935	935	936	937	938	939	941	943	945	947	948	950	951	952	953	933	953	940
Jan 22	954	954	955	956	956	956	957	957	957	957	957	957	956	956	955	954	953	952	951	950	949	948	947	946	946	957	954
Jan 23	945	944	944	943	942	941	941	940	940	940	940	941	941	941	941	941	942	942	942	942	942	943	943	943	940	945	942
Jan 24	943	944	945	945	945	946	947	948	949	950	951	951	952	951	951	951	950	950	950	949	949	948	947	947	943	952	948
Jan 25	947	946	946	946	945	945	945	945	946	946	945	945	945	945	944	944	944	943	943	942	942	942	942	942	942	947	944
Jan 26	941	941	941	941	941	941	940	939	939	938	938	938	938	938	938	938	938	939	939	939	939	939	939	940	938	941	939
Jan 27	940	941	941	941	941	941	940	939	939	938	937	937	936	936	934	934	935	935	936	936	936	936	937	937	934	941	938
Jan 28	938	938	938	938	938	938	938	938	939	939	939	939	939	939	939	938	939	938	937	937	937	937	936	936	936	939	938
Jan 29	936	935	934	934	933	932	931	930	929	928	928	927	927	926	926	926	926	928	929	930	932	933	934	935	926	936	930
Jan 30	937	938	939	940	940	940	941	941	941	942	942	942	942	942	942	943	943	943	944	944	944	944	945	945	937	945	942
Jan 31	945	945	945	945	944	944	943	943	943	942	942	942	941	941	940	940	939	939	939	939	939	940	939	939	939	945	942
Diurnal Maximum	968	968	967	967	967	966	966	966	967	967	968	968	968	967	967	966	966	965	966	967	967	967	968	968			
Diurnal Average	946	946	946	946	946	946	945	945	945	945	945	945	945	945	945	945	945	946	946	946	946	946	946	946			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

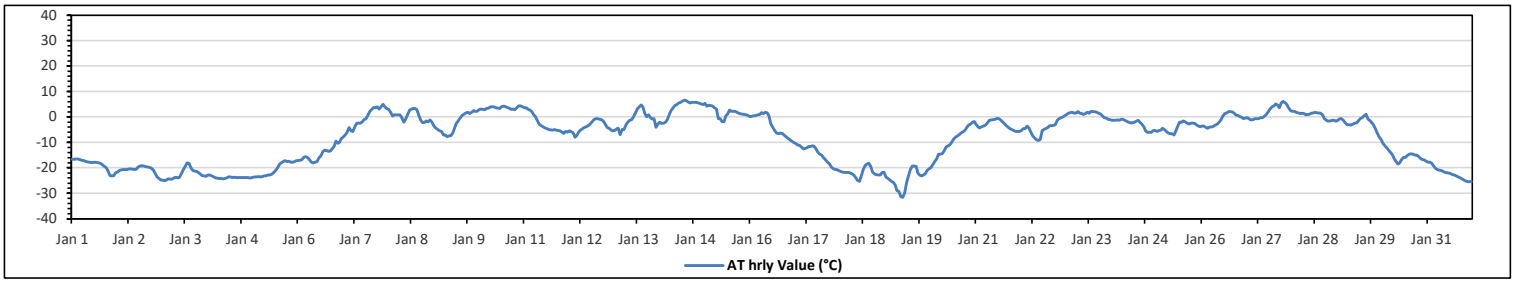
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	6.6	°C	on Jan 14 at hr 13	Hours in Service:	744	
Maximum Daily Value:	3.6	°C	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	-31.6	°C	on Jan 19 at hr 9	Hours of Missing Data:	0	
Minimum Daily Value:	-24.3	°C	on Jan 19	Hours of Calibration:	0	
Monthly Average:	-8.0	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	-16.6	-16.6	-16.5	-16.5	-16.7	-17	-17.2	-17.4	-17.6	-17.8	-17.9	-17.9	-17.8	-17.9	-18	-18.3	-18.8	-19.4	-20	-21.3	-23	-23.1	-23	-21.9	-23.1	-16.5	-18.7
Jan 2	-21.6	-21	-20.8	-20.7	-20.6	-20.6	-20.4	-20.4	-20.5	-20.6	-20.4	-19.7	-19.2	-19.1	-19.3	-19.5	-19.6	-19.8	-20.2	-20.8	-22.1	-23.6	-24.2	-24.8	-24.8	-19.1	-20.8
Jan 3	-24.8	-25.1	-24.7	-24.3	-24.4	-24.4	-23.9	-23.7	-24	-23.7	-22.3	-20.7	-19.4	-18	-18.3	-20.1	-21	-21.3	-21.4	-21.8	-22.5	-23	-23.2	-23.3	-25.1	-18.0	-22.5
Jan 4	-22.8	-22.9	-23.2	-23.6	-23.9	-24.1	-24.2	-24.2	-24.3	-24.2	-24	-23.6	-23.6	-23.8	-23.7	-23.8	-23.8	-23.8	-23.8	-23.8	-23.8	-23.8	-23.9	-23.9	-24.3	-22.8	-23.8
Jan 5	-23.7	-23.6	-23.5	-23.4	-23.5	-23.4	-23.2	-23	-22.9	-22.9	-22.5	-21.8	-20.9	-19.9	-18.5	-18	-17.5	-17.2	-17.5	-17.4	-17.7	-17.8	-17.5	-17.2	-23.7	-17.2	-20.6
Jan 6	-17.1	-17	-16.7	-15.8	-15.6	-16	-16.9	-17.7	-18	-17.7	-17.5	-16	-15.3	-13.6	-13	-13.3	-13.5	-13.4	-12.3	-11.6	-9.5	-10.4	-10	-8.4	-18.0	-8.4	-14.4
Jan 7	-7.9	-7.1	-6	-4.2	-5.5	-5.7	-3.9	-2.4	-2.4	-2.5	-1.8	-1.1	-0.7	0.7	2.2	3	3.8	3.6	3.9	3.1	3.9	5	4	3.2	-7.9	5.0	-0.6
Jan 8	2.9	1.9	0.3	0.9	0.8	0.9	0.8	-0.2	-2.1	-0.8	1	2.6	3.1	3.4	3.4	2.8	0.6	-1.4	-2.2	-2.2	-1.5	-1.9	-1.2	-2	-2.2	3.4	0.4
Jan 9	-3.5	-4.3	-4.9	-5.5	-5.7	-7.1	-7	-7.7	-7.4	-7.3	-6.3	-4.6	-2.6	-1.5	-0.4	0.6	1.1	1.6	1.8	1.3	1.9	2.5	2.3	2.3	-7.7	2.5	-2.5
Jan 10	2.8	3.1	3	2.8	3.3	3.5	4	3.9	4	3.7	3.5	3.4	4.1	4.2	4.1	3.8	3.5	2.9	3.1	2.8	3.6	4.3	4.3	3.9	2.8	4.3	3.6
Jan 11	3.6	3.7	2.9	2.7	2.1	0.8	0.2	-1.3	-2.8	-3.4	-3.9	-4.3	-4.6	-4.9	-5.1	-5.2	-5	-5.2	-5.3	-5.5	-6	-6.5	-5.7	-6	-6.5	3.7	-2.7
Jan 12	-5.5	-5.8	-6.2	-8	-7.2	-5.8	-5.1	-4.6	-4.1	-3.8	-3.4	-2.8	-1.9	-1	-0.6	-0.6	-0.9	-1.1	-1.7	-2.9	-4.2	-4.4	-5.2	-5.5	-8.0	-0.6	-3.8
Jan 13	-5.4	-4.7	-4.4	-6.9	-4.9	-5	-3.2	-2	-1.4	-1.1	0.1	1.6	3.2	3.9	4.8	3.9	1.4	0.1	0.8	-0.2	-0.8	-0.6	-4.1	-2.8	-6.9	4.8	-1.2
Jan 14	-2	-2.6	-2.5	-2	-0.9	1.1	2.5	3.5	4.5	4.9	5.5	5.8	6.3	**6.6**	6.4	5.9	5.5	5.7	5.7	5.7	5.6	5.3	5.2	4.9	-2.6	**6.6**	**3.6**
Jan 15	5.3	4.2	4.6	4.5	4.2	3.6	3.1	-0.6	-0.7	-1.9	-1.8	0.3	1.2	2.7	2.3	2.2	2.2	1.9	1.4	1.2	1.1	1	0.8	0.5	-1.9	5.3	1.8
Jan 16	0.1	0.3	0.5	0.6	0.8	1	1.7	1.3	1.8	1.6	0.5	-2.8	-4.1	-5.3	-6.4	-6.6	-6.4	-6.5	-7.1	-7.7	-8.3	-8.8	-9.5	-9.9	-9.9	1.8	-3.3
Jan 17	-10.4	-11	-11.1	-11.8	-12.5	-12.3	-12.1	-11.6	-11.6	-11.4	-11.5	-12.5	-13.8	-14.6	-15	-16	-16.9	-17.8	-18.4	-19.7	-20.3	-20.6	-20.7	-21	-21.0	-10.4	-14.8
Jan 18	-21.4	-21.6	-21.7	-21.7	-21.7	-21.9	-22.3	-22.8	-23.8	-24.9	-25.4	-23	-20.5	-19	-18.6	-18.1	-19.4	-21.6	-22.5	-22.7	-22.9	-22.9	-21.8	-21.8	-25.4	-18.1	-21.8
Jan 19	-23.7	-24.1	-24.7	-25.4	-25.6	-26.9	-29	-29.2	-31.2	**-31.6**	-30	-25.9	-23.2	-20.7	-19.2	-19.2	-19.4	-22.2	-22.9	-23.2	-22.8	-22.3	-21.1	-20.4	**-31.6**	-19.2	**-24.3**
Jan 20	-19.9	-18.8	-17.5	-16.5	-14.6	-14.6	-14.4	-13.3	-11.8	-11.3	-10.9	-9.9	-8.7	-8	-7.4	-6.9	-6.2	-5.8	-5.2	-4.2	-3.1	-2.8	-2.1	-1.8	-19.9	-1.8	-9.8
Jan 21	-3	-4	-4.3	-3.8	-3.5	-3.2	-2.3	-1.4	-1.2	-1.1	-0.9	-0.5	-0.6	-1.3	-1.9	-2.6	-3.4	-4.1	-4.6	-4.9	-5.3	-5.7	-5.7	-5.6	-5.7	-0.5	-3.1
Jan 22	-5.3	-4.6	-4.5	-3.6	-4.4	-6.1	-7.3	-8.2	-9	-9.2	-8.8	-5.4	-5	-4.6	-4.2	-3.4	-3.4	-3.3	-3	-1.4	-0.6	-0.2	-0.1	0.5	-9.2	0.5	-4.4
Jan 23	1	1.5	1.7	1.8	1.5	1.6	2.1	1.4	1.3	1	1.3	1.8	1.5	2.3	2.1	2.1	1.8	1.4	1.2	0.5	-0.3	-0.4	-0.9	-1.1	-1.1	2.3	1.2
Jan 24	-1.4	-1.4	-1.4	-1.2	-1.3	-0.9	-0.9	-1.3	-1.7	-2	-2.3	-2.3	-2.1	-1.6	-1.3	-2.2	-2.9	-4	-5.5	-6.1	-6	-6.1	-5.4	-5.4	-6.1	-0.9	-2.8
Jan 25	-5.6	-5.3	-5.2	-4.4	-5	-5.7	-6.3	-6.6	-6.6	-7	-5.7	-3.9	-2	-2.1	-1.5	-1.9	-2.5	-2.8	-2.5	-2.5	-2.6	-3.2	-3.6	-3.9	-7.0	-1.5	-4.1
Jan 26	-3.6	-3.6	-4.1	-4.4	-4	-4	-3.7	-3.1	-2.8	-2.1	-1	0.4	1.3	1.6	2.1	2.1	2	1.5	0.7	0.6	0.1	-0.1	-0.7	-0.4	-4.4	2.1	-1.1
Jan 27	-0.2	-0.8	-1.2	-1	-0.7	-0.6	-0.7	-0.2	-0.3	0.2	1	2	3.1	3.9	4.4	5.2	4.6	3.7	5.4	6.1	5.6	5	3.7	2.5	-1.2	6.1	2.1
Jan 28	2.3	2.3	1.9	1.6	1.3	1.5	1.3	0.9	1	1.1	1.5	1.6	1.8	1.6	1.6	1.4	0.9	-0.6	-1.3	-1.7	-1.5	-1.3	-1.4	-1.6	-1.7	2.3	0.7
Jan 29	-1.3	-0.6	-0.7	-1.3	-2.3	-3	-3	-3.1	-2.8	-2.5	-2.3	-1.5	-0.6	-0.3	0.5	1.1	-0.8	-1.3	-2	-3	-4.5	-6.4	-7.8	-8.8	-8.8	1.1	-2.4
Jan 30	-10.3	-11.3	-12.1	-13.1	-14	-15	-16.4	-17.5	-18.5	-18	-16.7	-15.9	-15.9	-15.1	-14.6	-14.5	-14.6	-14.9	-15	-15.7	-16.4	-16.7	-16.9	-17.4	-18.5	-10.3	-15.3
Jan 31	-17.7	-17.8	-18.3	-19.4	-20.3	-20.7	-20.9	-21.1	-21.5	-21.8	-21.9	-22	-22.3	-22.7	-22.9	-23.2	-23.5	-23.9	-24.3	-24.8	-25.2	-25.5	-25.5	-25.4	-25.5	-17.7	-22.2
Diurnal Maximum	5.3	4.2	4.6	4.5	4.2	3.6	4.0	3.9	4.5	4.9	5.5	5.8	6.3	6.6	6.4	5.9	5.5	5.7	5.7	6.1	5.6	5.3	5.2	4.9			
Diurnal Average	-8.3	-8.3	-8.4	-8.5	-8.5	-8.7	-8.7	-8.8	-9.0	-9.0	-8.5	-7.7	-7.1	-6.6	-6.3	-6.4	-6.8	-7.4	-7.6	-7.9	-8.0	-8.2	-8.4	-8.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

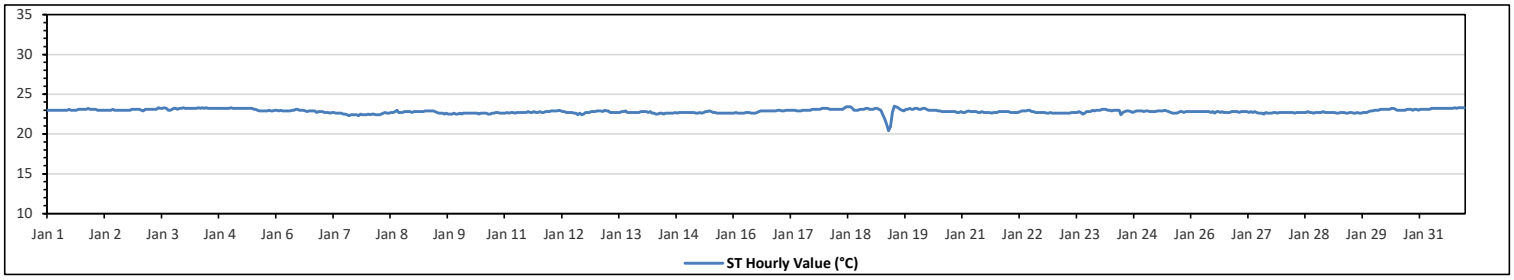
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.5	°C	on Jan 19 at hr 12	Hours in Service:	744	
Maximum Daily Value:	23.2	°C	on Jan 4	Hours of Data:	744	
Minimum Hourly Value:	20.4	°C	on Jan 19 at hr 9	Hours of Missing Data:	0	
Minimum Daily Value:	22.5	°C	on Jan 7	Hours of Calibration:	0	
Monthly Average:	22.8	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.2	23.1	23.1	23.0	23.2	23.0
Jan 2	23.1	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.0	23.1	23.0
Jan 3	23.1	23.0	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.2	23.2	23.3	23.2	23.0	23.0	23.1	23.2	23.2	23.1	23.2	23.2	23.3	22.9	23.3	23.1
Jan 4	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.2	23.3	23.2	23.3	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.3	**23.2**
Jan 5	23.3	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.1	23.1	23.0	22.9	22.9	22.9	22.9	22.9	23.0	22.9	22.9	23.0	22.9	23.3	23.1
Jan 6	23.0	22.9	23.0	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.1	23.1	23.0	23.0	23.0	22.9	22.8	22.9	22.9	22.9	22.9	22.7	22.8	22.8	22.7	23.1	22.9
Jan 7	22.8	22.7	22.7	22.7	22.6	22.7	22.7	22.6	22.6	22.6	22.6	22.5	22.5	22.4	22.3	22.4	22.4	22.4	22.4	22.3	22.5	22.4	22.4	22.4	22.3	22.8	**22.5**
Jan 8	22.5	22.4	22.5	22.5	22.4	22.4	22.4	22.5	22.6	22.7	22.6	22.6	22.7	22.7	22.8	23.0	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.7	22.4	23.0	22.6
Jan 9	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.8	22.7	22.6	22.6	22.6	22.5	22.6	22.5	22.5	22.5	22.6	22.5	22.5	22.5	22.9	22.7
Jan 10	22.6	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5	22.6	22.6	22.6	22.6	22.5	22.5	22.6	22.6	22.7	22.7	22.6	22.6	22.6	22.5	22.7	22.6
Jan 11	22.6	22.7	22.6	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.7	22.7	22.8	22.7	22.7	22.8	22.7	22.7	22.8	22.8	22.8	22.6	22.8	22.7
Jan 12	22.9	22.9	22.9	22.9	23.0	22.9	22.8	22.8	22.7	22.7	22.7	22.7	22.6	22.6	22.4	22.6	22.4	22.5	22.7	22.7	22.7	22.8	22.8	22.8	22.4	23.0	22.7
Jan 13	22.9	22.9	22.9	22.8	23.0	22.9	22.9	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.9	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.7	23.0	22.8
Jan 14	22.8	22.8	22.8	22.7	22.8	22.6	22.6	22.5	22.5	22.6	22.6	22.5	22.6	22.6	22.6	22.6	22.6	22.7	22.6	22.7	22.7	22.7	22.7	22.7	22.5	22.8	22.7
Jan 15	22.7	22.7	22.7	22.7	22.6	22.6	22.7	22.6	22.7	22.8	22.8	22.9	22.8	22.7	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.9	22.7
Jan 16	22.6	22.7	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.6	22.6	22.6	22.7	22.8	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	23.0	22.6	23.0	22.8
Jan 17	23.0	22.9	22.9	23.0	23.0	23.0	23.0	23.0	23.0	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.2	23.2	22.9	23.2	23.0
Jan 18	23.2	23.2	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.4	23.4	23.4	23.2	23.0	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.1	23.0	23.4	23.2
Jan 19	23.1	23.1	23.2	23.2	23.1	23.0	22.4	21.9	21.2	**20.4**	20.9	22.7	**23.5**	23.4	23.3	23.1	23.0	22.9	23.1	23.1	23.2	23.1	23.1	23.2	**20.4**	**23.5**	22.8
Jan 20	23.2	23.1	23.1	23.2	23.2	23.1	23.0	23.0	23.0	23.0	23.0	22.9	22.9	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.7	22.8	22.7	23.2	22.9
Jan 21	22.7	22.7	22.8	22.9	22.8	22.8	22.8	22.8	22.7	22.7	22.8	22.7	22.7	22.7	22.7	22.6	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.6	22.9	22.8
Jan 22	22.8	22.7	22.7	22.7	22.7	22.7	22.8	22.9	22.9	22.9	23.0	23.0	22.8	22.8	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.6	22.7	22.6	22.6	23.0	22.8
Jan 23	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.8	22.7	22.5	22.6	22.8	22.8	22.8	23.0	22.9	23.0	23.0	22.5	23.0	22.7
Jan 24	23.0	23.1	23.1	23.1	23.0	23.0	22.9	23.0	23.0	23.0	23.0	22.4	22.7	22.8	22.9	22.9	22.8	22.7	22.8	22.9	22.9	22.9	22.9	22.8	22.4	23.1	22.9
Jan 25	22.9	22.9	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	23.0	22.9	22.8	22.7	22.6	22.6	22.6	22.7	22.8	22.8	22.7	22.8	22.8	22.8	22.6	23.0	22.8
Jan 26	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.8	22.6	22.8	22.8	22.7	22.8	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.6	22.8	22.8
Jan 27	22.8	22.7	22.8	22.8	22.8	22.8	22.7	22.8	22.7	22.8	22.7	22.6	22.6	22.6	22.5	22.7	22.6	22.6	22.6	22.7	22.7	22.6	22.7	22.7	22.5	22.8	22.7
Jan 28	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.8	22.7	22.7	22.6	22.8	22.7
Jan 29	22.7	22.7	22.7	22.7	22.6	22.6	22.7	22.7	22.7	22.6	22.6	22.7	22.7	22.6	22.6	22.7	22.6	22.6	22.7	22.7	22.7	22.8	22.9	22.9	22.6	22.9	22.7
Jan 30	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.1	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.0	23.1	23.1	23.0	23.0	23.2	23.1
Jan 31	23.1	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.2	23.3	23.3	23.3	23.3	23.1	23.3	23.2
Diurnal Maximum	23.3	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.2	23.3	23.3	23.4	23.5	23.4	23.3	23.2	23.2	23.2	23.3	23.2	23.3	23.3	23.3	23.3			
Diurnal Average	22.9	22.9	22.9	22.9	22.9	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

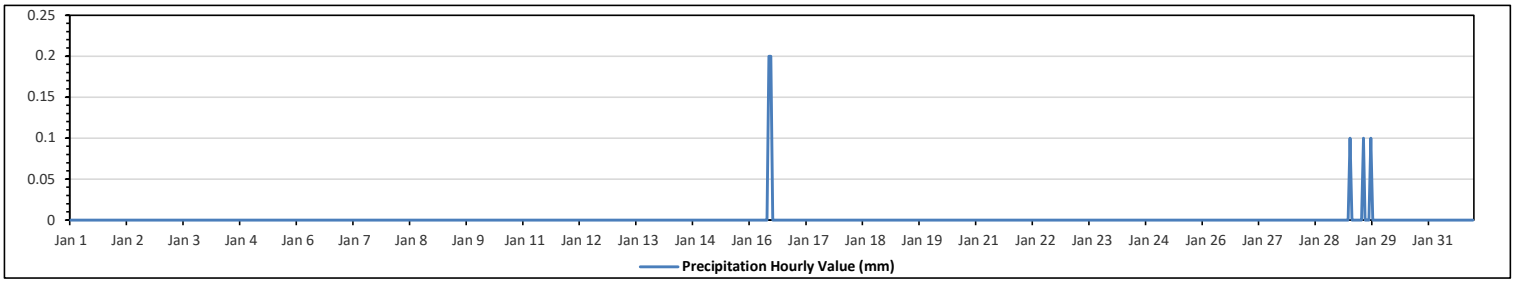
PRECIPITATION in mm

Maximum Hourly Value:	0.2	mm	on Jan 16 at hr 10	Hours in Service:	744	
Maximum Daily Value:	0.4	mm	on Jan 16	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on Jan 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on Jan 1	Hours of Calibration:	0	
Monthly Total:	0.7	mm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 16	0	0	0	0	0	0	0	0	0	0	**0.2**	**0.2**	0	0	0	0	0	0	0	0	0	0	0	0	0.0	**0.2**	**0.4**
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 29	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0	0	0	0.1	0	0	0	0	0	0	0.0	0.1	0.3
Jan 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Diurnal Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

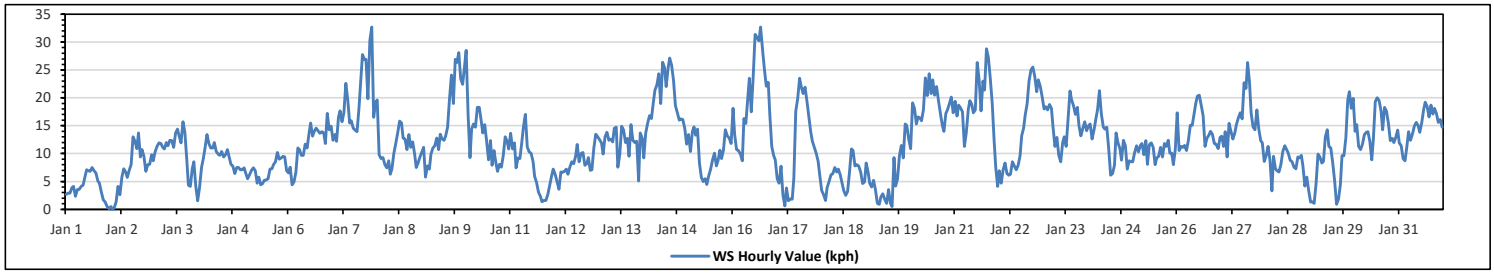
VECTOR WIND SPEED (VWS) in km/hr

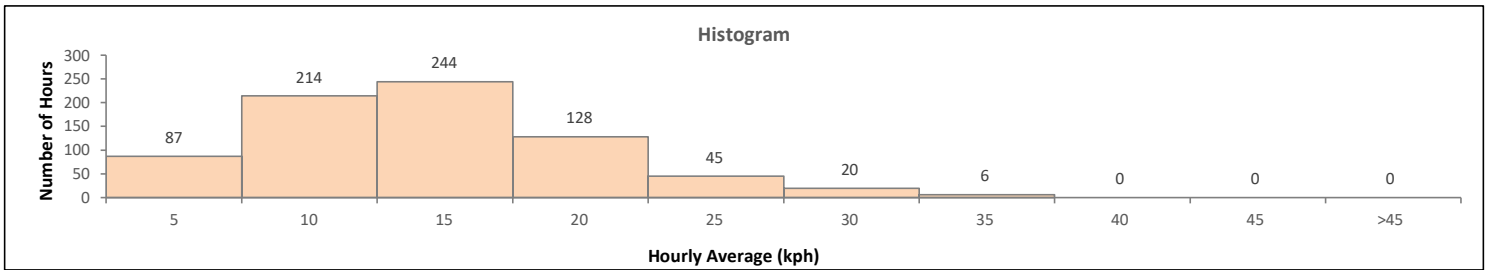
Maximum Hourly Value:	32.7	kph	on Jan 7 at hr 21	Hours in Service:	744	
Maximum Daily Value:	19.3	kph	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	0.0	kph	on Jan 2 at hr 1	Hours of Missing Data:	0	
Minimum Daily Value:	4.1	kph	on Jan 1	Hours of Calibration:	0	
Monthly Average:	4.3	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.7	2.9	2.9	3.9	4.1	2.3	3.5	3.6	4.1	4.3	5.9	7.1	6.9	6.8	7.5	6.9	6.5	5.1	4.7	3.1	1.7	1.3	0.5	0.1	0.1	7.5	**4.1**
Jan 2	0.5	**0.0**	0.3	1.3	4.1	2.6	5.7	7.3	6.7	5.7	7.0	8.0	13.0	12.2	10.9	13.7	9.4	10.7	9.5	6.8	8.0	8.1	9.8	8.7	**0.0**	13.7	7.1
Jan 3	10.3	11.3	11.9	11.8	11.1	10.8	12.0	11.4	12.4	12.3	11.1	13.7	14.4	13.2	11.9	15.7	13.8	8.9	4.3	4.1	7.3	8.5	4.2	1.5	1.5	15.7	10.3
Jan 4	4.0	7.5	9.2	11.0	13.4	11.8	11.0	11.0	12.0	10.4	9.9	9.7	10.4	9.4	9.8	10.7	9.2	8.1	7.7	6.4	7.5	7.5	7.1	7.1	4.0	13.4	9.2
Jan 5	7.4	6.5	5.5	6.2	7.0	7.4	6.9	4.7	5.8	4.4	4.6	5.2	5.3	5.5	7.2	7.3	8.0	8.5	10.2	9.0	9.2	9.5	9.4	6.9	4.4	10.2	7.0
Jan 6	6.5	7.6	4.4	4.9	6.7	11.0	10.7	9.7	9.7	11.7	11.0	13.6	15.5	13.1	13.9	14.6	14.1	13.6	13.9	13.7	11.8	17.2	14.3	14.9	4.4	17.2	11.6
Jan 7	12.4	13.4	12.2	16.5	17.7	15.7	17.4	22.6	19.6	15.5	15.9	14.6	14.2	13.9	18.1	23.4	27.8	26.9	26.9	19.8	30.2	**32.7**	16.5	19.2	12.2	**32.7**	19.3
Jan 8	19.6	9.8	9.1	9.3	8.0	7.4	8.7	6.3	7.3	10.0	11.8	13.7	15.8	15.5	12.8	12.6	10.7	13.4	11.1	12.1	9.9	7.5	8.2	9.3	6.3	19.6	10.8
Jan 9	10.2	11.1	5.8	7.8	7.2	9.9	11.0	11.4	12.8	10.7	13.5	12.6	12.4	13.2	14.7	19.8	24.1	19.0	26.9	26.3	28.1	23.4	22.4	25.7	5.8	28.1	15.8
Jan 10	28.5	17.0	9.3	14.4	15.3	14.7	18.3	18.3	15.9	13.7	15.2	12.2	8.9	12.3	7.9	10.5	8.3	6.8	8.1	7.6	9.7	13.0	12.2	10.8	6.8	28.5	12.9
Jan 11	13.6	10.8	11.9	7.4	9.2	9.1	12.1	14.8	17.0	11.2	10.3	10.0	8.6	5.9	4.8	3.1	2.3	1.4	1.6	1.6	2.6	4.0	5.7	7.2	1.4	17.0	7.8
Jan 12	6.3	5.0	3.6	6.7	6.6	6.8	7.2	6.3	7.6	8.5	8.2	9.5	11.6	8.5	10.0	10.2	7.9	8.2	9.3	7.0	7.1	11.0	13.5	13.0	3.6	13.5	8.3
Jan 13	12.5	11.9	9.9	13.0	13.8	12.4	12.6	12.1	14.6	14.7	7.6	9.8	14.9	14.2	12.0	12.7	9.5	15.2	12.4	12.0	12.2	5.1	13.7	12.8	5.1	15.2	12.2
Jan 14	9.2	13.6	15.4	16.8	16.3	19.2	21.4	22.3	24.3	19.0	26.4	25.4	22.0	25.3	27.1	25.9	23.1	18.6	17.3	16.0	16.2	16.1	14.6	11.7	9.2	27.1	**19.3**
Jan 15	13.4	10.4	13.9	14.8	13.3	14.4	8.3	5.7	5.0	5.5	4.5	6.0	7.2	8.9	10.1	7.8	8.7	10.6	9.1	10.6	14.3	13.2	12.8	11.8	4.5	14.8	10.0
Jan 16	18.1	13.4	10.7	10.5	9.9	8.7	16.3	15.4	19.9	23.5	17.5	23.8	31.4	30.8	30.2	**32.7**	28.8	25.1	22.1	22.8	16.9	11.3	9.6	8.9	8.7	**32.7**	19.1
Jan 17	5.5	4.7	7.7	2.5	0.6	3.8	1.5	1.9	1.8	5.6	17.6	19.8	23.5	22.0	20.8	21.9	19.4	16.6	13.8	12.2	11.1	10.0	8.6	6.1	0.6	23.5	10.8
Jan 18	3.4	2.6	1.6	3.9	5.0	6.2	6.4	7.5	6.7	7.2	6.2	4.6	3.4	2.5	3.2	6.7	10.8	10.5	7.8	8.0	7.7	6.6	4.6	4.9	1.6	10.8	5.8
Jan 19	8.3	6.7	4.7	4.0	5.2	3.5	1.1	0.9	2.2	2.8	1.8	1.1	3.5	1.1	0.5	9.3	4.2	5.4	9.6	11.5	9.2	15.3	15.0	12.6	0.5	15.3	5.8
Jan 20	10.9	19.1	18.1	15.3	16.6	16.4	15.9	17.9	23.6	20.4	24.3	20.8	23.2	20.5	22.0	19.5	17.2	15.1	14.0	17.2	17.8	18.9	20.1	17.3	10.9	24.3	18.4
Jan 21	19.4	16.7	18.7	18.2	17.5	11.3	13.8	17.8	19.5	18.8	17.3	17.8	26.3	23.2	17.7	23.0	21.4	28.8	27.2	23.4	19.0	12.2	7.5	4.1	4.1	28.8	18.4
Jan 22	6.9	4.7	7.1	8.3	6.4	6.1	6.3	8.5	7.8	7.1	7.9	9.6	13.2	14.6	16.9	18.9	23.0	25.0	25.5	23.8	21.1	23.2	22.1	20.2	4.7	25.5	13.9
Jan 23	18.0	18.4	17.8	18.8	18.1	14.7	11.3	12.9	9.7	8.5	11.9	13.0	11.3	16.2	21.2	19.6	18.6	17.0	18.3	15.0	13.2	14.5	15.7	14.1	8.5	21.2	15.3
Jan 24	15.0	15.3	12.6	14.2	16.3	17.8	21.3	17.1	14.8	14.4	14.7	10.8	6.1	6.4	7.9	13.7	11.9	10.9	8.8	12.4	11.4	7.2	8.7	8.5	6.1	21.3	12.4
Jan 25	8.5	10.2	11.4	10.3	11.5	11.8	9.8	12.3	8.1	11.6	11.9	11.1	8.0	9.2	9.5	11.1	9.4	11.8	11.3	12.4	10.1	10.1	8.0	10.7	8.0	12.4	10.4
Jan 26	17.3	10.5	11.3	11.1	11.5	10.5	12.4	15.1	15.1	17.2	19.0	20.3	20.5	18.7	16.8	11.3	12.8	13.3	14.0	13.5	11.8	11.6	10.9	12.9	10.5	20.5	14.1
Jan 27	13.1	11.3	13.9	9.4	15.4	14.0	12.6	13.7	15.2	16.4	17.3	16.2	22.7	21.7	26.3	22.8	17.3	14.8	14.3	17.8	14.4	12.3	11.9	8.6	8.6	26.3	15.6
Jan 28	9.6	11.3	8.8	3.3	9.5	7.3	6.9	6.7	8.0	10.4	11.4	10.7	10.1	8.8	8.5	7.6	7.3	9.4	9.2	9.7	7.7	4.2	5.8	3.3	3.3	11.4	8.1
Jan 29	1.3	1.4	1.1	4.6	9.9	9.4	8.3	8.6	13.0	14.3	11.3	11.0	8.4	5.1	0.9	1.8	4.5	9.6	9.6	12.8	19.6	21.1	18.1	19.9	0.9	21.1	9.4
Jan 30	14.0	15.2	11.3	10.7	11.7	13.4	13.8	13.9	12.2	8.9	12.6	19.3	20.0	19.5	17.7	14.3	18.3	17.6	15.4	12.3	12.7	12.0	12.9	14.2	8.9	20.0	14.3
Jan 31	11.9	11.4	9.1	8.7	11.4	13.9	12.4	13.5	14.9	15.6	15.0	13.8	15.5	17.8	19.2	18.5	16.6	18.7	17.1	18.1	17.2	15.6	16.1	14.7	8.7	19.2	14.9
Diurnal Maximum	28.5	19.1	18.7	18.8	18.1	19.2	21.4	22.6	24.3	23.5	26.4	25.4	31.4	30.8	30.2	32.7	28.8	28.8	27.2	26.3	30.2	32.7	22.4	25.7			
Diurnal Average	10.9	10.1	9.4	9.7	10.7	10.5	10.9	11.3	11.8	11.6	12.3	12.7	13.8	13.4	13.5	14.4	13.7	13.7	13.3	12.9	12.8	12.4	11.6	11.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



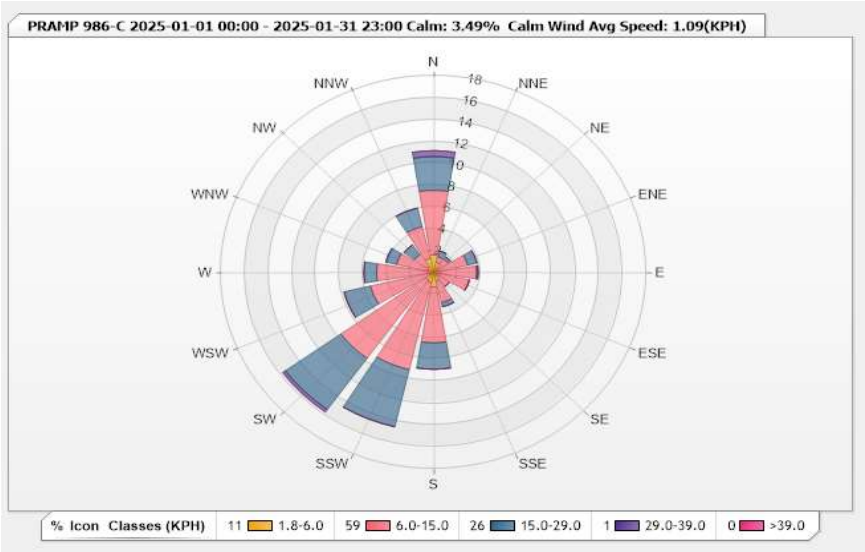


Station: PRAMP 986-C Monitor: WDS [KPH] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 3.49% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.61	5.91	3.09	0.54	0	11.15
NNE	0.94	0.54	0.54	0	0	2.02
NE	0.27	1.21	0.27	0	0	1.75
ENE	0.4	2.55	0.81	0	0	3.76
E	0.54	3.09	0.13	0	0	3.76
ESE	0.27	2.82	0	0	0	3.09
SE	0.27	1.34	0	0	0	1.61
SSE	0.81	2.02	0.4	0	0	3.23
S	1.34	5.11	2.42	0	0	8.87
SSW	0.94	8.2	5.38	0	0	14.52
SW	0.81	8.87	5.78	0.27	0	15.73
WSW	0.4	5.11	2.28	0	0	7.79
W	0	4.84	1.08	0	0	5.92
WNW	0.54	2.69	0.94	0	0	4.17
NW	0.67	1.34	1.08	0	0	3.09
NNW	1.34	2.96	1.75	0	0	6.05
Summary	11.15	58.6	25.95	0.81	0	96.51



Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

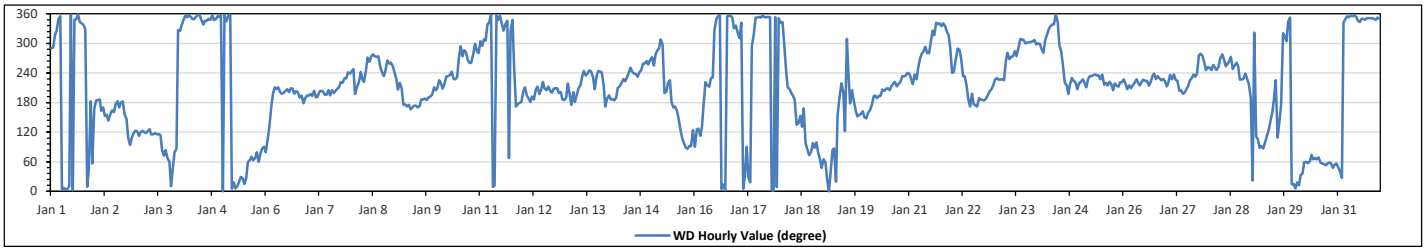
WIND DIRECTION (VWD) in sector

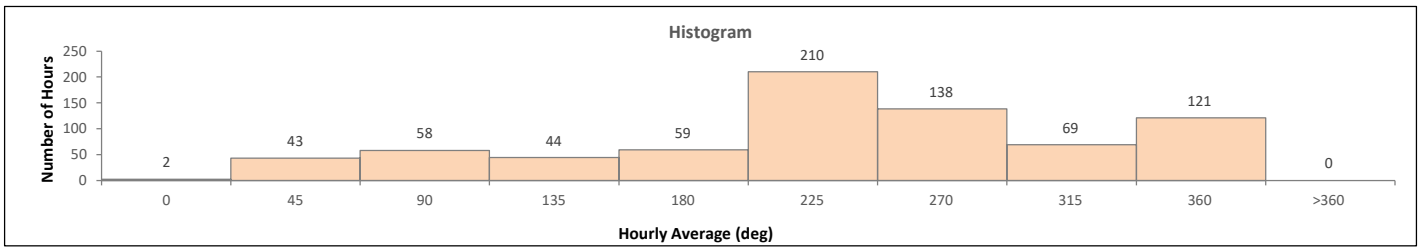
Monthly Average:	237 (SW)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Jan 1	WNW	WNW	NW	NW	NNW	N	N	N	N	N	N	N	N	NNW	NNW	N	NNW	NNW	NNW	NNW	N	NE	S	NE	349	NNW
Jan 2	SSE	S	S	S	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	S	S	SSE	S	S	SSE	SE	ESE	E	ESE	ESE	ESE	154	SSE
Jan 3	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE	E	ENE	ENE	N	NE	ENE	E	NW	104	ESE
Jan 4	NW	NNW	NNW	N	N	N	N	NNW	NNW	N	N	N	NNW	NNW	NNW	NNW	N	NNW	N	NNW	NNW	N	N	N	350	N
Jan 5	N	N	NNW	N	N	N	NNE	N	N	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	41	NE
Jan 6	ENE	E	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	S	S	SSW	195	SSW
Jan 7	SSW	SSW	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	210	SSW
Jan 8	WSW	WSW	SSW	SSW	SW	WSW	SW	SW	WSW	W	W	W	W	W	W	W	WSW	WSW	SW	WSW	W	WSW	W	WSW	252	WSW
Jan 9	WSW	SW	SSW	SW	SSW	S	S	S	S	SSE	SSE	S	S	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW	190	S
Jan 10	SSW	SW	SW	SSW	SW	SW	SW	SW	WSW	SW	SW	SW	W	WNW	W	WNW	W	W	WSW	W	W	WNW	WNW	W	245	WSW
Jan 11	WNW	WNW	NW	NW	NNW	NNW	N	N	NNE	N	NNW	N	NNW	NW	NNW	NNW	ENE	NW	NNW	WSW	S	S	S	S	338	NNW
Jan 12	SSW	SSW	SSW	S	S	S	S	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S	201	SSW
Jan 13	S	SW	SSW	S	SSW	S	SSW	SSW	SW	SW	WSW	SW	SW	WSW	WSW	SW	SSW	SW	WSW	WSW	WSW	SSW	S	S	217	SW
Jan 14	SSW	S	S	S	S	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	W	WSW	W	231	SW
Jan 15	W	WSW	W	WNW	WNW	NW	WNW	SSW	SSW	SW	SW	S	SSE	S	SSE	SE	ESE	ESE	E	E	E	E	E	ESE	176	S
Jan 16	E	SE	SE	ESE	SE	S	SW	SSW	SSW	SW	SW	NW	NNW	N	N	N	NNE	N	N	N	N	N	NNW	NNW	350	N
Jan 17	NW	NW	NNW	N	NNE	E	NNE	NNE	WNW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	353	N
Jan 18	NNW	NNW	WNW	WSW	SSW	SSW	SSW	S	S	SE	SE	SSE	SE	SSE	E	E	ENE	E	E	E	E	ENE	ENE	NE	117	ESE
Jan 19	ENE	ENE	NNE	N	NE	E	E	NNE	SSE	S	SW	SSW	ESE	NW	SW	S	SSW	S	SSE	SSE	SSE	SSE	SSE	SSE	145	SE
Jan 20	SE	SSE	SSE	S	S	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	SW	SW	SW	SW	WSW	205	SSW
Jan 21	SW	SW	SW	SW	SW	WSW	W	W	W	WNW	W	W	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	WNW	298	WNW
Jan 22	WSW	WSW	W	WNW	WNW	W	SW	SW	SSW	S	S	SSW	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW	200	SSW
Jan 23	SW	SW	SW	SW	SW	SW	W	W	W	W	W	WNW	W	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	WNW	276	W
Jan 24	WNW	WNW	WNW	W	NW	NW	NNW	NNW	NNW	NNW	N	NNW	WNW	W	WSW	SW	SSW	SSW	SW	SW	SW	SW	SSW	SW	287	WNW
Jan 25	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SSW	SW	SSW	SSW	SW	SW	223	SW
Jan 26	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	SSW	SW	SW	WSW	SW	SW	SW	SW	SW	SW	223	SW
Jan 27	SSW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	W	W	W	W	WSW	WSW	230	SW
Jan 28	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	WSW	WSW	W	W	WSW	WSW	W	WSW	SW	SW	SW	WSW	SW	SW	S	250	WSW
Jan 29	NNE	NW	ESE	ESE	E	E	E	E	ESE	ESE	SE	SSE	S	SW	ESE	SE	S	NW	NW	WNW	NNW	N	NNE	NNE	47	NE
Jan 30	N	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	52	NE
Jan 31	NE	NE	NNE	NNW	N	N	N	N	N	N	N	NNW	NNW	N	N	NNW	N	N	N	N	N	NNW	N	N	355	N

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

986-C Station - January 2025

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	32.7	kph	on Jan 7 at hr 21	Hours in Service:	744
Maximum Daily Value:	19.3	kph	on Jan 14	Hours of Data:	744
Minimum Hourly Value:	0.0	kph	on Jan 2 at hr 1	Hours of Missing Data:	0
Minimum Daily Value:	4.1	kph	on Jan 1	Hours of Calibration:	0
Monthly Average:	4.3	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 237 degree (SW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.7	2.9	2.9	3.9	4.1	2.3	3.5	3.6	4.1	4.3	5.9	7.1	6.9	6.8	7.5	6.9	6.5	5.1	4.7	3.1	1.7	1.3	0.5	0.1	0.1	7.5	**4.1**
	WNW	WNW	NW	NW	NNW	N	N	N	N	N	N	N	N	NNW	NNW	N	NNW	NNW	NNW	NNW	N	NE	S	NE			349(NNW)
Jan 2	0.5	**0.0**	0.3	1.3	4.1	2.6	5.7	7.3	6.7	5.7	7.0	8.0	13.0	12.2	10.9	13.7	9.4	10.7	9.5	6.8	8.0	8.1	9.8	8.7	**0.0**	13.7	7.1
	SSE	S	S	S	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	S	S	SSE	S	S	SSE	SE	ESE	E	ESE	ESE	ESE			154(SSE)
Jan 3	10.3	11.3	11.9	11.8	11.1	10.8	12.0	11.4	12.4	12.3	11.1	13.7	14.4	13.2	11.9	15.7	13.8	8.9	4.3	4.1	7.3	8.5	4.2	1.5	1.5	15.7	10.3
	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE	E	ENE	ENE	N	NE	ENE	E	NW			104(ESE)
Jan 4	4.0	7.5	9.2	11.0	13.4	11.8	11.0	11.0	12.0	10.4	9.9	9.7	10.4	9.4	9.8	10.7	9.2	8.1	7.7	6.4	7.5	7.5	7.1	7.1	4.0	13.4	9.2
	NW	NNW	NNW	N	N	N	N	NNW	NNW	N	N	N	NNW	NNW	NNW	NNW	N	NNW	N	NNW	NNW	N	N	N			350(N)
Jan 5	7.4	6.5	5.5	6.2	7.0	7.4	6.9	4.7	5.8	4.4	4.6	5.2	5.3	5.5	7.2	7.3	8.0	8.5	10.2	9.0	9.2	9.5	9.4	6.9	4.4	10.2	7.0
	N	N	NNW	N	N	N	NNE	N	N	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E			41(NE)
Jan 6	6.5	7.6	4.4	4.9	6.7	11.0	10.7	9.7	9.7	11.7	11.0	13.6	15.5	13.1	13.9	14.6	14.1	13.6	13.9	13.7	11.8	17.2	14.3	14.9	4.4	17.2	11.6
	ENE	E	SE	SSE	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	S	S	SSW			195(SSW)
Jan 7	12.4	13.4	12.2	16.5	17.7	15.7	17.4	22.6	19.6	15.5	15.9	14.6	14.2	13.9	18.1	23.4	27.8	26.9	26.9	19.8	30.2	**32.7**	16.5	19.2	12.2	**32.7**	19.3
	SSW	SSW	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW			210(SSW)
Jan 8	19.6	9.8	9.1	9.3	8.0	7.4	8.7	6.3	7.3	10.0	11.8	13.7	15.8	15.5	12.8	12.6	10.7	13.4	11.1	12.1	9.9	7.5	8.2	9.3	6.3	19.6	10.8
	WSW	WSW	SSW	SSW	SW	WSW	SW	SW	WSW	W	W	W	W	W	W	W	WSW	WSW	SW	WSW	W	WSW	W	WSW			252(WSW)
Jan 9	10.2	11.1	5.8	7.8	7.2	9.9	11.0	11.4	12.8	10.7	13.5	12.6	12.4	13.2	14.7	19.8	24.1	19.0	26.9	26.3	28.1	23.4	22.4	25.7	5.8	28.1	15.8
	WSW	SW	SSW	SW	SSW	S	S	S	S	SSE	SSE	S	S	SSE	S	S	S	S	S	S	S	SSW	SSW	SSW			190(S)
Jan 10	28.5	17.0	9.3	14.4	15.3	14.7	18.3	18.3	15.9	13.7	15.2	12.2	8.9	12.3	7.9	10.5	8.3	6.8	8.1	7.6	9.7	13.0	12.2	10.8	6.8	28.5	12.9
	SSW	SW	SW	SSW	SW	SW	SW	SW	WSW	SW	SW	SW	W	WNW	W	WNW	W	W	WSW	W	W	WNW	WNW	W			245(WSW)
Jan 11	13.6	10.8	11.9	7.4	9.2	9.1	12.1	14.8	17.0	11.2	10.3	10.0	8.6	5.9	4.8	3.1	2.3	1.4	1.6	1.6	2.6	4.0	5.7	7.2	1.4	17.0	7.8
	WNW	WNW	NW	NW	NNW	NNW	N	N	NNE	N	NNW	N	NNW	NW	NNW	NNW	ENE	NW	NNW	WSW	S	S	S	S			338(NNW)
Jan 12	6.3	5.0	3.6	6.7	6.6	6.8	7.2	6.3	7.6	8.5	8.2	9.5	11.6	8.5	10.0	10.2	7.9	8.2	9.3	7.0	7.1	11.0	13.5	13.0	3.6	13.5	8.3
	SSW	SSW	SSW	S	S	S	S	SSW	SSW	SSW	SSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	S			201(SSW)
Jan 13	12.5	11.9	9.9	13.0	13.8	12.4	12.6	12.1	14.6	14.7	7.6	9.8	14.9	14.2	12.0	12.7	9.5	15.2	12.4	12.0	12.2	5.1	13.7	12.8	5.1	15.2	12.2
	S	SW	SSW	S	SSW	S	SSW	SSW	SW	SW	WSW	SW	SW	WSW	WSW	SW	SSW	SW	WSW	WSW	WSW	SSW	S	S			217(SW)
Jan 14	9.2	13.6	15.4	16.8	16.3	19.2	21.4	22.3	24.3	19.0	26.4	25.4	22.0	25.3	27.1	25.9	23.1	18.6	17.3	16.0	16.2	16.1	14.6	11.7	9.2	27.1	**19.3**
	SSW	S	S	S	S	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	W	WSW	W			231(SW)
Jan 15	13.4	10.4	13.9	14.8	13.3	14.4	8.3	5.7	5.0	5.5	4.5	6.0	7.2	8.9	10.1	7.8	8.7	10.6	9.1	10.6	14.3	13.2	12.8	11.8	4.5	14.8	10.0
	W	WSW	W	WNW	WNW	NW	WNW	SSW	SSW	SW	SW	S	SSE	S	SSE	SE	ESE	ESE	E	E	E	E	E	ESE			176(S)
Jan 16	18.1	13.4	10.7	10.5	9.9	8.7	16.3	15.4	19.9	23.5	17.5	23.8	31.4	30.8	30.2	**32.7**	28.8	25.1	22.1	22.8	16.9	11.3	9.6	8.9	8.7	**32.7**	19.1
	E	SE	SE	ESE	SE	S	SW	SSW	SSW	SW	SW	NW	NNW	N	N	N	NNE	N	N	N	N	N	NNW	NNW			350(N)
Jan 17	5.5	4.7	7.7	2.5	0.6	3.8	1.5	1.9	1.8	5.6	17.6	19.8	23.5	22.0	20.8	21.9	19.4	16.6	13.8	12.2	11.1	10.0	8.6	6.1	0.6	23.5	10.8
	NW	NW	NNW	N	NNE	E	NNE	NNE	WNW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N			353(N)
Jan 18	3.4	2.6	1.6	3.9	5.0	6.2	6.4	7.5	6.7	7.2	6.2	4.6	3.4	2.5	3.2	6.7	10.8	10.5	7.8	8.0	7.7	6.6	4.6	4.9	1.6	10.8	5.8
	NNW	NNW	WNW	WSW	SSW	SSW	SSW	S	S	SE	SE	SSE	SE	SSE	E	E	ENE	E	E	E	E	ENE	ENE	NE			117(ESE)
Jan 19	8.3	6.7	4.7	4.0	5.2	3.5	1.1	0.9	2.2	2.8	1.8	1.1	3.5	1.1	0.5	9.3	4.2	5.4	9.6	11.5	9.2	15.3	15.0	12.6	0.5	15.3	5.8
	ENE	ENE	NNE	N	NE	E	E	NNE	SSE	S	SW	SSW	ESE	NW	SW	S	SSW	S	SSE	SSE	SSE	SSE	SSE	SSE			145(SE)
Jan 20	10.9	19.1	18.1	15.3	16.6	16.4	15.9	17.9	23.6	20.4	24.3	20.8	23.2	20.5	22.0	19.5	17.2	15.1	14.0	17.2	17.8	18.9	20.1	17.3	10.9	24.3	18.4
	SE	SSE	SSE	S	S	SSW	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SW	SW	SW	SW	SW	WSW			205(SSW)
Jan 21	19.4	16.7	18.7	18.2	17.5	11.3	13.8	17.8	19.5	18.8	17.3	17.8	26.3	23.2	17.7	23.0	21.4	28.8	27.2	23.4	19.0	12.2	7.5	4.1	4.1	28.8	18.4
	SW	SW	SW	SW	SW	WSW	W	W	W	WNW	W	W	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	WNW			298(WNW)
Jan 22	6.9	4.7	7.1	8.3	6.4	6.1	6.3	8.5	7.8	7.1	7.9	9.6	13.2	14.6	16.9	18.9	23.0	25.0	25.5	23.8	21.1	23.2	22.1	20.2	4.7	25.5	13.9
	WSW	WSW	W	WNW	WNW	W	SW	SW	SSW	S	S	SSW	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SW			200(SSW)
Jan 23	18.0	18.4	17.8	18.8	18.1	14.7	11.3	12.9	9.7	8.5	11.9	13.0	11.3	16.2	21.2	19.6	18.6	17.0	18.3	15.0	13.2	14.5	15.7	14.1	8.5	21.2	15.3
	SW	SW	SW	SW	SW	SW	W	W	W	W	W	WNW	W	WNW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	WNW			276(W)
Jan 24	15.0	15.3	12.6	14.2	16.3	17.8	21.3	17.1	14.8	14.4	14.7	10.8	6.1	6.4	7.9	13.7	11.9	10.9	8.8	12.4	11.4	7.2	8.7	8.5	6.1	21.3	12.4
	WNW	WNW	WNW	W	NW	NW	NNW	NNW	NNW	NNW	N	NNW	WNW	W	WSW	SW	SSW	SSW	SW	SW	SW	SW	SSW	SW			287(WNW)
Jan 25	8.5	10.2	11.4	10.3	11.5	11.8	9.8	12.3	8.1	11.6	11.9	11.1	8.0	9.2	9.5	11.1	9.4	11.8	11.3	12.4	10.1	10.1	8.0	10.7	8.0	12.4	10.4
	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SSW	SW	SSW	SSW	SW	SW			223(SW)
Jan 26	17.3	10.5	11.3	11.1	11.5	10.5	12.4	15.1	15.1	17.2	19.0	20.3	20.5	18.7	16.8	11.3	12.8	13.3	14.0	13.5	11.8	11.6	10.9	12.9	10.5	20.5	14.1
	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	SSW	SW	SW	WSW	SW	SW	SW	SW	SW	SW			223(SW)
Jan 27	13.1	11.3	13.9	9.4	15.4	14.0	12.6	13.7	15.2	16.4	17.3	16.2	22.7	21.7	26.3	22.8	17.3	14.8	14.3	17.8	14.4	12.3	11.9	8.6	8.6	26.3	15.6
	SSW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	W	W	W	W	WSW	WSW			230(SW)
Jan 28	9.6	11.3	8.8	3.3	9.5	7.3	6.9	6.7	8.0	10.4	11.4	10.7	10.1	8.8	8.5	7.6	7.3	9.4	9.2	9.7	7.7	4.2	5.8	3.3	3.3	11.4	8.1
	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	WSW	WSW	W	W	WSW	WSW	W	WSW	SW	SW	SW	WSW	SW	SW	S			250(WSW)
Jan 29	1.3	1.4	1.1	4.6	9.9	9.4	8.3	8.6	13.0	14.3	11.3	11.0	8.4	5.1	0.9	1.8	4.5	9.6	9.6	12.8	19.6	21.1	18.1	19.9	0.9	21.1	9.4
	NNE	NW	ESE	ESE	E	E	E	E	ESE	ESE	SE	SSE	S	SW	ESE	SE	S	NW	NW	WNW	NNW	N	NNE	NNE			47(NE)
Jan 30	14.0	15.2	11.3	10.7	11.7	13.4	13.8	13.9	12.2	8.9	12.6	19.3	20.0	19.5	17.7	14.3	18.3	17.6	15.4	12.3	12.7	12.0	12.9	14.2	8.9	20.0	14.3
	N	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	ENE	NE	NE	NE	NE			52(NE)
Jan 31	11.9	11.4	9.1	8.7	11.4	13.9	12.4	13.5	14.9	15.6	15.0	13.8	15.5	17.8	19.2	18.5	16.6	18.7	17.1	18.1	17.2	15.6	16.1	14.7	8.7	19.2	14.9
	NE	NE	NNE	NNW	N	N	N	N	N	N	N	NNW	NNW	N	N	NNW	N	N	N	N	N	NNW	N	N			355(N)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

842-B STATION

Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

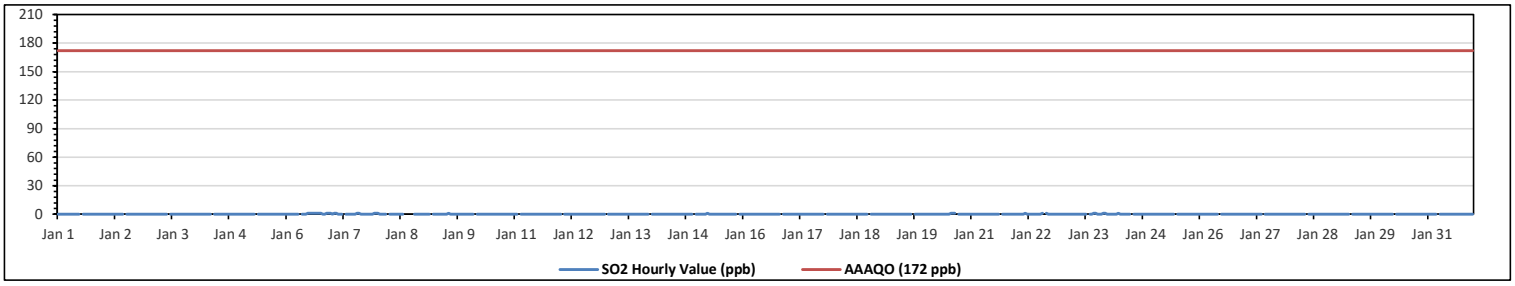
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

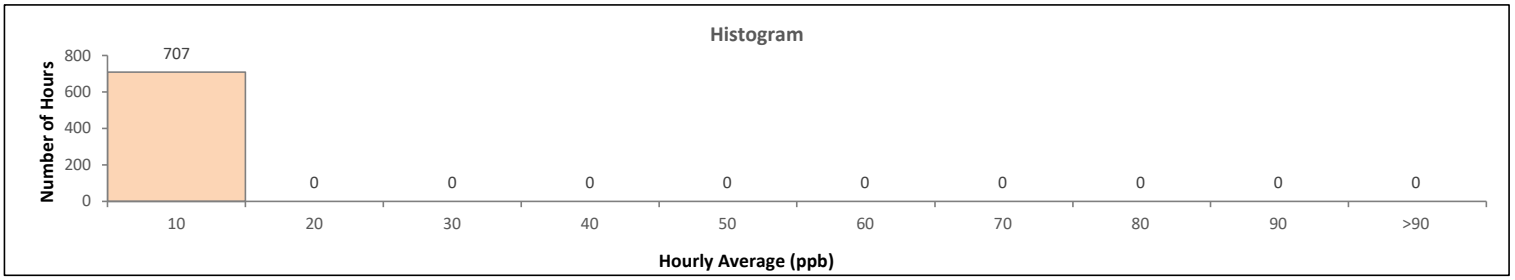
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Jan 6 at hr 11	Hours in Service:	744	
Maximum Daily Value:	0.5	ppb	on Jan 6	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Jan 1	Hours of Calibration:	37	
Monthly Average:	0.0	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 5	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 6	0	0	0	0	0	0	0	S	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	0.5
Jan 7	0	1	1	0	0	0	S	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	1	0.3
Jan 8	1	0	0	0	0	S	0	0	0	0	0	0	0	0	C	C	C	C	C	0	0	0	0	0	0	1	0.1
Jan 9	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 10	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 13	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Jan 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Jan 15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	1	0.0
Jan 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	S	0	0	0	0	0	0	0	0	1	0.1
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Jan 22	0	0	0	0	1	0	0	0	0	0	0	0	0	1	S	1	0	0	0	0	0	0	0	0	0	1	0.1
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	1	1	0	0	0	1	1	0	0	1	0.2
Jan 24	0	0	0	0	0	1	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 27	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 28	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 29	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 30	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 31	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	1	1	1	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



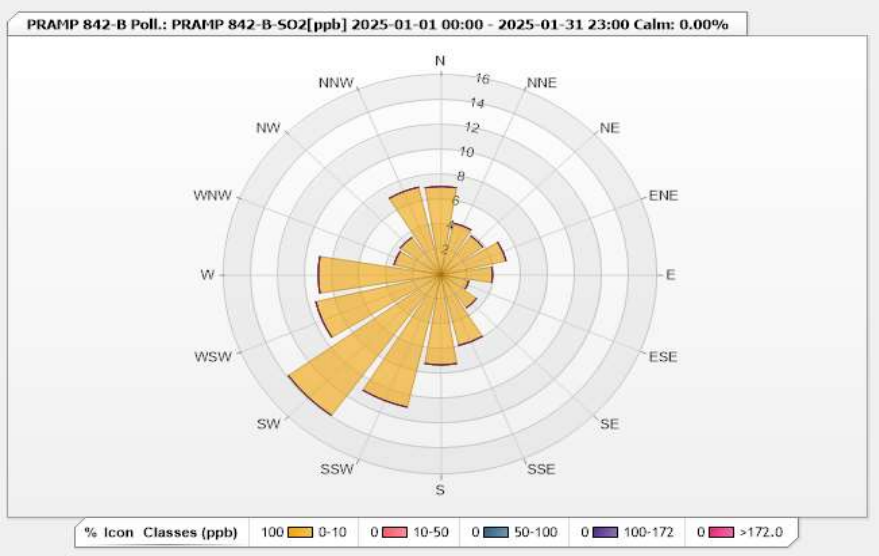


Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	7.07	0	0	0	0	7.07
NNE	4.24	0	0	0	0	4.24
NE	3.82	0	0	0	0	3.82
ENE	4.95	0	0	0	0	4.95
E	3.82	0	0	0	0	3.82
ESE	2.12	0	0	0	0	2.12
SE	3.25	0	0	0	0	3.25
SSE	5.8	0	0	0	0	5.8
S	7.21	0	0	0	0	7.21
SSW	10.89	0	0	0	0	10.89
SW	13.86	0	0	0	0	13.86
WSW	9.48	0	0	0	0	9.48
W	9.05	0	0	0	0	9.05
WNW	3.54	0	0	0	0	3.54
NW	3.68	0	0	0	0	3.68
NNW	7.21	0	0	0	0	7.21
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

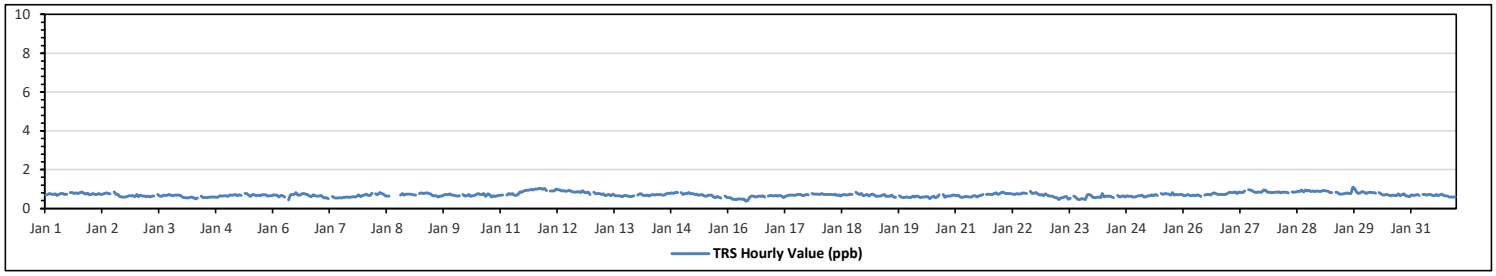
TOTAL REDUCED SULPHUR (TRS) in ppb

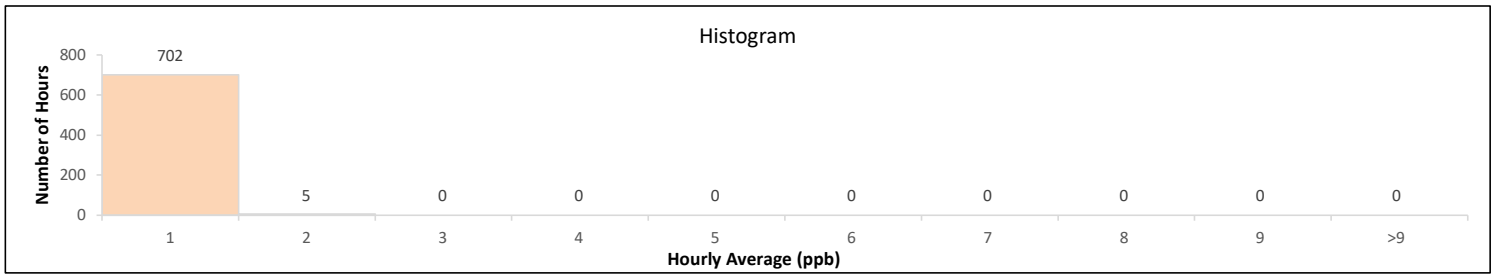
Maximum Hourly Value:	1.10	ppb	on Jan 29 at hr 17	Hours in Service:	744	
Maximum Daily Value:	0.88	ppb	on Jan 12	Hours of Data:	707	
Minimum Hourly Value:	0.37	ppb	on Jan 16 at hr 9	Hours of Missing Data:	0	
Minimum Daily Value:	0.55	ppb	on Jan 16	Hours of Calibration:	37	
Monthly Average:	0.70	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.69	0.71	0.77	0.74	0.73	0.75	0.67	0.71	0.76	0.76	0.71	0.74	S	0.81	0.81	0.77	0.8	0.77	0.8	0.86	0.79	0.74	0.79	0.7	0.67	0.86	0.76
Jan 2	0.72	0.77	0.71	0.71	0.76	0.73	0.74	0.76	0.8	0.77	0.75	S	0.85	0.71	0.74	0.62	0.59	0.6	0.6	0.62	0.65	0.66	0.65	0.61	0.59	0.85	0.70
Jan 3	0.73	0.61	0.69	0.64	0.63	0.61	0.63	0.58	0.64	0.64	S	0.73	0.63	0.62	0.69	0.67	0.67	0.71	0.68	0.65	0.69	0.68	0.68	0.67	0.58	0.73	0.66
Jan 4	0.6	0.55	0.55	0.54	0.57	0.6	0.54	0.49	0.54	S	0.63	0.56	0.57	0.55	0.57	0.58	0.58	0.58	0.57	0.58	0.66	0.64	0.66	0.66	0.49	0.66	0.58
Jan 5	0.62	0.69	0.69	0.69	0.71	0.66	0.7	0.67	S	0.77	0.77	0.68	0.62	0.71	0.7	0.65	0.69	0.66	0.7	0.7	0.7	0.63	0.65	0.66	0.62	0.77	0.68
Jan 6	0.7	0.68	0.68	0.6	0.67	0.66	0.59	S	0.44	0.7	0.71	0.71	0.82	0.69	0.68	0.75	0.77	0.74	0.71	0.63	0.61	0.7	0.66	0.64	0.44	0.82	0.68
Jan 7	0.63	0.67	0.59	0.54	0.55	0.51	S	0.62	0.55	0.53	0.54	0.55	0.53	0.57	0.57	0.59	0.57	0.6	0.61	0.58	0.62	0.7	0.61	0.67	0.51	0.70	0.59
Jan 8	0.69	0.74	0.67	0.67	0.79	S	0.75	0.7	0.81	0.77	0.74	0.66	0.63	0.63	C	C	C	C	C	0.69	0.77	0.68	0.74	0.74	0.63	0.81	0.72
Jan 9	0.74	0.71	0.7	0.68	S	0.78	0.8	0.77	0.79	0.8	0.78	0.74	0.66	0.65	0.66	0.59	0.63	0.63	0.7	0.71	0.7	0.75	0.69	0.69	0.59	0.80	0.71
Jan 10	0.65	0.64	0.66	S	0.71	0.64	0.66	0.71	0.62	0.66	0.67	0.73	0.76	0.72	0.71	0.77	0.62	0.75	0.7	0.6	0.66	0.62	0.65	0.67	0.60	0.77	0.68
Jan 11	0.68	0.68	S	0.69	0.76	0.73	0.76	0.68	0.67	0.72	0.86	0.83	0.9	0.93	0.93	0.95	0.98	0.94	1	1	1.03	1.04	0.98	1.03	0.67	1.04	0.86
Jan 12	0.92	S	0.89	0.91	0.89	0.99	0.97	0.96	0.91	0.92	0.88	0.91	0.93	0.88	0.85	0.83	0.85	0.87	0.81	0.92	0.81	0.82	0.84	0.73	0.73	0.99	**0.88**
Jan 13	S	0.83	0.75	0.77	0.76	0.73	0.75	0.66	0.7	0.73	0.66	0.74	0.65	0.65	0.65	0.64	0.61	0.67	0.66	0.64	0.61	0.62	0.65	S	0.61	0.83	0.69
Jan 14	0.69	0.75	0.75	0.67	0.67	0.68	0.64	0.69	0.71	0.68	0.71	0.7	0.72	0.69	0.69	0.75	0.79	0.77	0.8	0.76	0.83	0.82	S	0.82	0.64	0.83	0.73
Jan 15	0.71	0.77	0.78	0.81	0.75	0.77	0.71	0.74	0.68	0.68	0.71	0.66	0.62	0.67	0.68	0.68	0.58	0.55	0.62	0.57	0.53	S	0.64	0.57	0.53	0.81	0.67
Jan 16	0.56	0.55	0.48	0.47	0.46	0.49	0.49	0.48	0.49	0.37	0.42	0.55	0.63	0.64	0.58	0.61	0.64	0.62	0.65	0.59	S	0.64	0.67	0.65	0.37	0.67	0.55
Jan 17	0.66	0.67	0.64	0.67	0.63	0.56	0.63	0.65	0.69	0.69	0.69	0.67	0.71	0.71	0.72	0.65	0.68	0.73	0.7	S	0.76	0.74	0.74	0.74	0.56	0.76	0.68
Jan 18	0.73	0.77	0.72	0.72	0.71	0.72	0.73	0.7	0.74	0.67	0.7	0.64	0.7	0.71	0.68	0.7	0.74	0.73	S	0.84	0.78	0.73	0.77	0.66	0.64	0.84	0.72
Jan 19	0.69	0.71	0.63	0.72	0.74	0.67	0.62	0.64	0.63	0.69	0.71	0.62	0.63	0.62	0.69	0.59	0.57	S	0.66	0.6	0.56	0.57	0.58	0.57	0.56	0.74	0.64
Jan 20	0.56	0.64	0.6	0.63	0.62	0.56	0.59	0.58	0.61	0.61	0.51	0.58	0.63	0.56	0.6	0.7	S	0.73	0.57	0.63	0.64	0.64	0.69	0.68	0.51	0.73	0.62
Jan 21	0.65	0.68	0.58	0.57	0.59	0.62	0.61	0.58	0.59	0.65	0.66	0.59	0.66	0.67	0.71	S	0.73	0.74	0.73	0.73	0.77	0.8	0.73	0.76	0.57	0.80	0.67
Jan 22	0.84	0.82	0.76	0.78	0.78	0.75	0.74	0.71	0.78	0.74	0.75	0.8	0.79	0.76	S	0.88	0.78	0.79	0.81	0.74	0.68	0.71	0.66	0.75	0.66	0.88	0.77
Jan 23	0.69	0.63	0.63	0.62	0.55	0.56	0.46	0.54	0.55	0.58	0.62	0.48	0.52	S	0.63	0.57	0.47	0.45	0.5	0.49	0.45	0.7	0.73	0.67	0.45	0.73	0.57
Jan 24	0.57	0.56	0.57	0.58	0.56	0.76	0.58	0.63	0.62	0.64	0.59	0.56	S	0.67	0.58	0.62	0.66	0.59	0.66	0.62	0.63	0.59	0.6	0.62	0.56	0.76	0.61
Jan 25	0.65	0.65	0.69	0.59	0.61	0.65	0.65	0.7	0.65	0.71	0.67	S	0.76	0.71	0.76	0.75	0.74	0.69	0.81	0.68	0.72	0.7	0.73	0.72	0.59	0.81	0.70
Jan 26	0.66	0.67	0.71	0.67	0.65	0.69	0.66	0.7	0.67	0.62	S	0.68	0.73	0.72	0.69	0.76	0.8	0.75	0.73	0.73	0.71	0.72	0.73	0.79	0.62	0.80	0.71
Jan 27	0.83	0.82	0.82	0.85	0.76	0.85	0.81	0.81	0.9	S	0.97	0.94	0.92	0.86	0.81	0.85	0.84	0.83	0.95	0.93	0.84	0.83	0.81	0.81	0.76	0.97	0.85
Jan 28	0.84	0.83	0.85	0.8	0.84	0.84	0.83	0.8	S	0.86	0.84	0.86	0.88	0.87	0.94	0.85	0.94	0.89	0.93	0.87	0.89	0.87	0.89	0.88	0.80	0.94	0.86
Jan 29	0.87	0.92	0.92	0.9	0.88	0.82	0.81	S	0.83	0.81	0.74	0.74	0.75	0.76	0.8	0.76	0.77	**1.1**	1.02	0.83	0.77	0.8	0.87	0.83	0.74	**1.10**	0.84
Jan 30	0.77	0.82	0.83	0.81	0.82	0.79	S	0.82	0.74	0.69	0.7	0.71	0.69	0.66	0.68	0.67	0.65	0.75	0.65	0.72	0.75	0.63	0.64	0.61	0.61	0.83	0.72
Jan 31	0.7	0.67	0.69	0.71	0.67	S	0.71	0.72	0.68	0.71	0.71	0.67	0.66	0.71	0.66	0.7	0.74	0.66	0.65	0.63	0.6	0.58	0.6	0.58	0.58	0.74	0.67
Diurnal Maximum	0.92	0.92	0.92	0.91	0.89	0.99	0.97	0.96	0.91	0.92	0.97	0.94	0.93	0.93	0.94	0.95	0.98	1.10	1.02	1.00	1.03	1.04	0.98	1.03			
Diurnal Average	0.70	0.71	0.70	0.69	0.69	0.70	0.68	0.68	0.68	0.70	0.70	0.69	0.71	0.70	0.71	0.71	0.71	0.72	0.72	0.70	0.71	0.71	0.71	0.71			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

842-B Station - January 2025

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

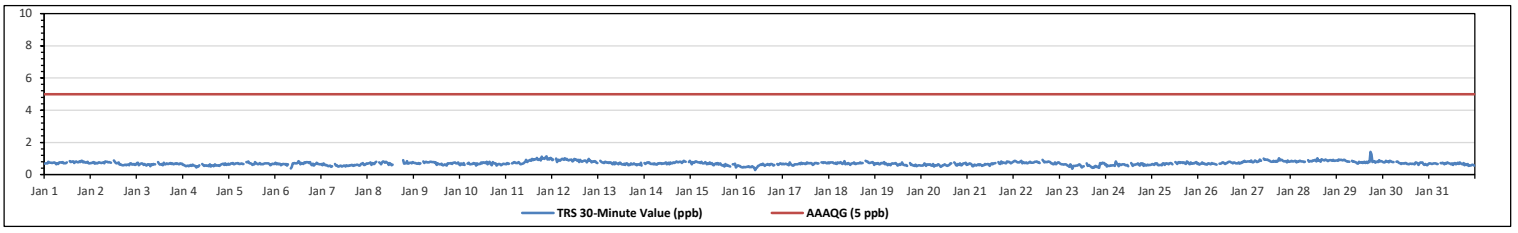
Maximum 30-Minute Value:	1.42 ppb	on Jan 29 at 17:30	# of Instrument in Service	1488	
Maximum Daily Value:	0.88 ppb	on Jan 12	# of Valid Measurements	1414	
Minimum 30-Minute Value:	0.29 ppb	Jan 16 at 09:30	# of Missing Measurements:	0	
Minimum Daily Value:	0.55 ppb	on Jan 16	# of Calibration:	74	
Monthly Average:	0.70 ppb		Operational Uptime:	100.0	

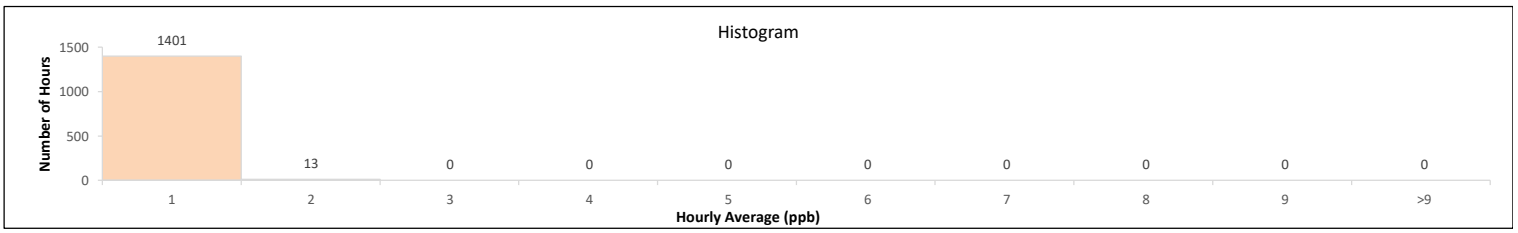
30-Minute Period Starting at (MST)	Jan 1	Jan 2	Jan 3	Jan 4	Jan 5	Jan 6	Jan 7	Jan 8	Jan 9	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Diurnal Maximum	Diurnal Average
00:00	0.68	0.73	0.72	0.61	0.62	0.74	0.67	0.68	0.74	0.59	0.65	0.9	S	0.72	0.77	0.53	0.68	0.71	0.7	0.57	0.67	0.83	0.71	0.64	0.66	0.69	0.86	0.82	0.88	0.79	0.71	0.90	0.71
00:30	0.7	0.72	0.74	0.6	0.63	0.65	0.59	0.7	0.73	0.71	0.72	0.95	S	0.66	0.64	0.59	0.64	0.75	0.67	0.56	0.63	0.85	0.66	0.5	0.64	0.62	0.81	0.86	0.86	0.76	0.69	0.95	0.69
01:00	0.71	0.75	0.58	0.57	0.69	0.71	0.69	0.72	0.73	0.66	0.67	S	0.85	0.73	0.78	0.55	0.66	0.76	0.7	0.59	0.69	0.84	0.63	0.57	0.61	0.67	0.81	0.82	0.94	0.77	0.68	0.94	0.70
01:30	0.71	0.79	0.63	0.53	0.69	0.64	0.65	0.77	0.68	0.62	0.68	S	0.8	0.76	0.75	0.54	0.68	0.77	0.72	0.69	0.68	0.81	0.64	0.55	0.69	0.68	0.83	0.83	0.9	0.86	0.66	0.90	0.71
02:00	0.8	0.68	0.68	0.55	0.73	0.68	0.58	0.6	0.68	0.72	S	1	0.75	0.73	0.74	0.49	0.65	0.75	0.63	0.65	0.63	0.77	0.62	0.55	0.67	0.75	0.82	0.84	0.91	0.83	0.68	1.00	0.71
02:30	0.75	0.74	0.69	0.56	0.65	0.67	0.6	0.73	0.72	0.6	S	0.78	0.74	0.77	0.83	0.47	0.63	0.69	0.63	0.55	0.53	0.76	0.63	0.59	0.7	0.68	0.82	0.86	0.93	0.83	0.7	0.93	0.69
03:00	0.74	0.7	0.68	0.52	0.67	0.59	0.56	0.67	0.66	S	0.69	0.91	0.73	0.68	0.82	0.45	0.59	0.7	0.72	0.62	0.53	0.75	0.64	0.57	0.6	0.69	0.8	0.77	0.88	0.77	0.71	0.91	0.68
03:30	0.74	0.71	0.6	0.56	0.71	0.62	0.53	0.67	0.71	S	0.69	0.91	0.8	0.66	0.79	0.49	0.75	0.74	0.73	0.65	0.62	0.82	0.61	0.58	0.58	0.64	0.89	0.83	0.91	0.86	0.7	0.91	0.70
04:00	0.72	0.76	0.66	0.6	0.7	0.66	0.54	0.77	S	0.68	0.75	0.86	0.79	0.68	0.75	0.46	0.66	0.66	0.69	0.61	0.61	0.85	0.56	0.58	0.61	0.67	0.78	0.81	0.91	0.84	0.67	0.91	0.70
04:30	0.74	0.76	0.6	0.55	0.73	0.67	0.57	0.81	S	0.74	0.78	0.93	0.74	0.65	0.75	0.46	0.6	0.76	0.79	0.63	0.56	0.7	0.55	0.54	0.61	0.62	0.75	0.87	0.86	0.81	0.67	0.93	0.69
05:00	0.77	0.74	0.57	0.62	0.66	0.65	0.49	S	0.83	0.64	0.72	0.99	0.75	0.7	0.73	0.49	0.57	0.72	0.65	0.56	0.61	0.79	0.48	0.82	0.59	0.69	0.81	0.86	0.84	0.79	S	0.99	0.69
05:30	0.73	0.72	0.65	0.58	0.66	0.66	0.53	S	0.73	0.65	0.73	0.98	0.72	0.65	0.8	0.48	0.56	0.72	0.7	0.57	0.64	0.72	0.63	0.7	0.71	0.69	0.88	0.82	0.8	0.79	S	0.98	0.70
06:00	0.63	0.74	0.63	0.54	0.68	0.56	S	0.77	0.79	0.66	0.72	0.92	0.75	0.67	0.71	0.52	0.63	0.78	0.65	0.67	0.58	0.72	0.55	0.63	0.7	0.67	0.84	0.82	0.82	S	0.73	0.92	0.69
06:30	0.7	0.75	0.63	0.54	0.71	0.63	S	0.73	0.8	0.67	0.79	1.02	0.75	0.62	0.71	0.46	0.63	0.69	0.59	0.51	0.63	0.75	0.36	0.53	0.61	0.64	0.79	0.83	0.81	S	0.69	1.02	0.67
07:00	0.67	0.7	0.52	0.45	0.67	S	0.67	0.63	0.77	0.73	0.71	0.95	0.68	0.7	0.69	0.49	0.65	0.67	0.66	0.59	0.61	0.7	0.55	0.66	0.69	0.73	0.8	0.79	S	0.81	0.74	0.95	0.68
07:30	0.75	0.82	0.64	0.53	0.66	S	0.57	0.77	0.77	0.69	0.64	0.97	0.64	0.68	0.79	0.47	0.65	0.73	0.63	0.58	0.55	0.72	0.54	0.6	0.71	0.68	0.83	0.81	S	0.83	0.7	0.97	0.69
08:00	0.77	0.8	0.61	0.5	S	0.39	0.58	0.82	0.77	0.69	0.67	0.93	0.76	0.73	0.73	0.52	0.67	0.84	0.59	0.57	0.59	0.75	0.54	0.6	0.68	0.68	0.94	S	0.85	0.77	0.63	0.94	0.69
08:30	0.76	0.8	0.67	0.59	S	0.49	0.51	0.8	0.81	0.56	0.68	0.88	0.65	0.69	0.63	0.46	0.7	0.64	0.68	0.65	0.58	0.81	0.56	0.64	0.63	0.67	0.85	S	0.81	0.72	0.73	0.88	0.68
09:00	0.74	0.76	0.63	S	0.79	0.69	0.51	0.74	0.8	0.7	0.7	0.93	0.75	0.66	0.7	0.44	0.64	0.68	0.71	0.64	0.66	0.74	0.56	0.64	0.7	0.63	S	0.9	0.83	0.71	0.68	0.93	0.70
09:30	0.78	0.78	0.65	S	0.76	0.71	0.54	0.8	0.79	0.63	0.75	0.91	0.71	0.69	0.67	0.29	0.74	0.66	0.68	0.58	0.63	0.74	0.61	0.65	0.72	0.62	S	0.81	0.79	0.66	0.75	0.91	0.69
10:00	0.71	0.77	S	0.66	0.82	0.72	0.57	0.76	0.78	0.67	0.8	0.94	0.68	0.68	0.75	0.4	0.67	0.73	0.69	0.49	0.64	0.74	0.63	0.59	0.69	S	1	0.84	0.77	0.69	0.73	1.00	0.71
10:30	0.72	0.74	S	0.6	0.71	0.7	0.5	0.73	0.78	0.67	0.92	0.83	0.65	0.73	0.67	0.45	0.71	0.68	0.73	0.53	0.67	0.76	0.6	0.59	0.65	S	0.93	0.84	0.7	0.71	0.69	0.93	0.70
11:00	0.7	S	0.78	0.55	0.69	0.69	0.53	0.61	0.73	0.75	0.79	0.85	0.74	0.76	0.72	0.54	0.69	0.61	0.67	0.59	0.63	0.8	0.52	0.61	S	0.68	0.95	0.83	0.68	0.68	0.68	0.95	0.69
11:30	0.77	S	0.68	0.57	0.68	0.72	0.57	0.72	0.75	0.7	0.87	0.97	0.74	0.65	0.6	0.56	0.66	0.68	0.57	0.58	0.55	0.8	0.44	0.52	S	0.68	0.92	0.89	0.8	0.73	0.65	0.97	0.69
12:00	S	0.89	0.62	0.59	0.61	0.84	0.56	0.67	0.6	0.77	0.88	0.93	0.64	0.71	0.58	0.6	0.67	0.71	0.6	0.65	0.63	0.82	0.51	S	0.78	0.69	0.95	0.87	0.77	0.73	0.71	0.95	0.71
12:30	S	0.81	0.63	0.55	0.64	0.79	0.5	0.58	0.71	0.75	0.93	0.94	0.65	0.74	0.66	0.65	0.75	0.7	0.67	0.6	0.69	0.76	0.52	S	0.74	0.77	0.89	0.9	0.74	0.66	0.6	0.94	0.71
13:00	0.84	0.73	0.66	0.57	0.63	0.64	0.59	0.62	0.66	0.72	0.87	0.86	0.62	0.63	0.7	0.6	0.69	0.75	0.6	0.57	0.65	0.79	S	0.72	0.66	0.75	0.88	0.92	0.79	0.67	0.71	0.92	0.70
13:30	0.78	0.7	0.59	0.53	0.78	0.73	0.54	C	0.64	0.72	0.99	0.91	0.68	0.75	0.63	0.68	0.73	0.67	0.64	0.55	0.7	0.73	S	0.62	0.75	0.7	0.83	0.82	0.73	0.65	0.72	0.99	0.71
14:00	0.8	0.72	0.74	0.64	0.72	0.69	0.55	C	0.65	0.8	0.9	0.78	0.6	0.69	0.73	0.62	0.71	0.67	0.75	0.59	0.7	S	0.71	0.55	0.79	0.66	0.81	1.02	0.79	0.68	0.64	1.02	0.71
14:30	0.82	0.76	0.63	0.5	0.68	0.67	0.58	C	0.68	0.63	0.96	0.91	0.7	0.7	0.62	0.55	0.73	0.69	0.62	0.6	0.72	S	0.54	0.62	0.73	0.73	0.81	0.87	0.81	0.68	0.68	0.96	0.70
15:00	0.83	0.62	0.64	0.59	0.63	0.77	0.56	C	0.59	0.74	0.94	0.84	0.7	0.76	0.66	0.6	0.7	0.69	0.6	0.7	S	0.92	0.6	0.6	0.75	0.73	0.87	0.9	0.72	0.67	0.74	0.94	0.71
15:30	0.72	0.63	0.69	0.57	0.67	0.73	0.61	C	0.58	0.8	0.96	0.81	0.58	0.73	0.7	0.62	0.61	0.71	0.58	0.7	S	0.84	0.55	0.64	0.75	0.78	0.83	0.81	0.8	0.68	0.67	0.96	0.70
16:00	0.78	0.6	0.66	0.52	0.73	0.76	0.6	C	0.64	0.66	1.04	0.84	0.6	0.76	0.61	0.67	0.64	0.76	0.6	S	0.78	0.75	0.5	0.63	0.72	0.8	0.81	0.96	0.72	0.66	0.76	1.04	0.71
16:30	0.82	0.58	0.67	0.64	0.65	0.79	0.54	C	0.61	0.58	0.92	0.87	0.61	0.82	0.56	0.62	0.72	0.71	0.55	S	0.68	0.81	0.44	0.69	0.76	0.8	0.87	0.91	0.82	0.64	0.71	0.92	0.70
17:00	0.79	0.59	0.69	0.56	0.66	0.76	0.6	C	0.56	0.78	0.91	0.88	0.69	0.78	0.6	0.58	0.73	0.72	S	0.76	0.66	0.79	0.42	0.62	0.71	0.76	0.8	0.9	0.78	0.76	0.67	0.91	0.71
17:30	0.75	0.61	0.72	0.59	0.65	0.73	0.59	C	0.71	0.72	0.97	0.85	0.65	0.76	0.51	0.66	0.72	0.73	S	0.7	0.82	0.78	0.48	0.56	0.66	0.74	0.86	0.88	1.42	0.74	0.65	1.42	0.73
18:00	0.82	0.62	0.66	0.57	0.68	0.78	0.61	C	0.71	0.71	0.89	0.76	0.63	0.8	0.66	0.67	0.68	S	0.72	0.58	0.7	0.83	0.45	0.69	0.83	0.69	1.02	0.95	1.26	0.69	0.72	1.26	0.74
18:30	0.78	0.58	0.71	0.58	0.71	0.64	0.62	0.9	0.69	0.7	1.12	0.86	0.69	0.81	0.57	0.63	0.71	S	0.61	0.57	0.77	0.8	0.54	0.63	0.79	0.76	0.88	0.91	0.79	0.61	0.59	1.12	0.72
19:00	0.85	0.62	0.64	0.55	0.71	0.58	0.6	0.68	0.69	0.57	1.01	0.98	0.64	0.8	0.6	0.57	S	0.85	0.62	0.66	0.74	0.78	0.53	0.69	0.7	0.74	0.93	0.89	0.83	0.7	0.66	1.01	0.71
19:30	0.86	0.62	0.66	0.61	0.7	0.68	0.56	0.69	0.73	0.62	1	0.87	0.65	0.72	0.55	0.61	S	0.82	0.59	0.6	0.73	0.7	0.46	0.54	0.65	0.71	0.93	0.84	0.84	0.75	0.61	1.00	0.70
20:00	0.77	0.58	0.7	0.65	0.7	0.56	0.57	0.69	0.66	0.66	0.99	0.86	0.59	0.8	0.54	S	0.77	0.82	0.57	0.7	0.71	0.71	0.49	0.65	0.75	0.71	0.86	0.89	0.74	0.74	0.66	0.99	0.70
20:30	0.8	0.71	0.67	0.66	0.7	0.65	0.66	0.84	0.74	0.67	1.07	0.77	0.64	0.85	0.51	S	0.75	0.74	0.55	0.59	0.83	0.64	0.42	0.61	0.68	0.71	0.82	0.9	0.8	0.76	0.54	1.07	0.71
21:00	0.75	0.71	0.69	0.68	0.66	0.66	0.68	0.68	0.74	0.64	1.13	0.82	0.63	0.82	S	0.67	0.72	0.72	0.62	0.59	0.78	0.67	0.73	0.57	0.68	0.75	0.84	0.9	0.81	0.67	0.59	1.13	0.72
21:30	0.74	0.62	0.67	0.61	0.59	0.74	0.72	0.69	0.77	0.59	0.95	0.81	0.61	0.81	S	0.61	0.76	0.74	0.52	0.68	0.81	0.75	0.67	0.62	0.73	0.68	0.82	0.85	0.79	0.6	0.56	0.95	0.70
22:00	0.77	0.65	0.65	0.71	0.62	0.66	0.61	0.74	0.7	0.62	1.01	0.84	0.74	S	0.63	0.64	0.75	0.77	0.57	0.69	0.77	0.63	0.74	0.58	0.71	0.74	0.75	0.91	0.9	0.66	0.58	1.01	0.71
22:30	0.8	0.66	0.71	0.61	0.68	0.66	0.6	0.74	0.69	0.68	0.95	0.83	0.56	S	0.65	0.69	0.73	0.78	0.59	0.69	0.7	0.7	0.72	0.61	0.75	0.72	0.88	0.87	0.83	0.62	0.62	0.95	0.71
23:00	0.69	0.6	0.66	0.64	0.66	0.63	0.65	0.69	0.75	0.67	1.04	0.74	S	0.78	0.68	0.68	0.71	0.72	0.58	0.74	0.74	0.76	0.73	0.61	0.78	0.81	0.8	0.87	0.84	0.58	0.6	1.04	0.71
23:30	0.71	0.62	0.68	0.68	0.66	0.65	0.69	0.78	0.64	0.67	1.02	0.73	S	0.87	0.45	0.63	0.77	0.6	0.56	0.61	0.78	0.75	0.6	0.62	0.66	0.78	0.81	0.89	0.82	0.63	0.56	1.02	0.70
Minimum	0.63	0.58	0.52	0.45	0.59	0.39	0.49	0.58	0.56	0.56	0.64	0.73	0.56	0.62	0.45	0.29	0.56	0.6	0.52	0.49	0.53	0.63	0.36	0.5	0.58	0.62	0.75	0.77	0.68	0.58	0.54		
Maximum	0.86	0.89	0.78	0.71	0.82	0.84	0.72	0.9	0.83	0.8	1.13	1.02	0.85	0.87	0.83	0.69	0.77	0.85	0.79	0.76	0.83	0.92	0.74	0.82	0.83	0.81	1.02	1.02	1.42	0.86	0.76		
Average	0.76	0.7	0.66	0.58	0.68	0.67	0.59	0.72	0.71	0.68	0.86	0.88	0.69	0.73	0.67	0.55	0.68	0.72	0.64	0.62	0.67	0.77	0.57	0.61	0.69	0.71	0.85	0.86	0.84	0.72	0.67		

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	P	Power Failure	X	InValid Data (Equipment Malfunction /Recovery)
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)		

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



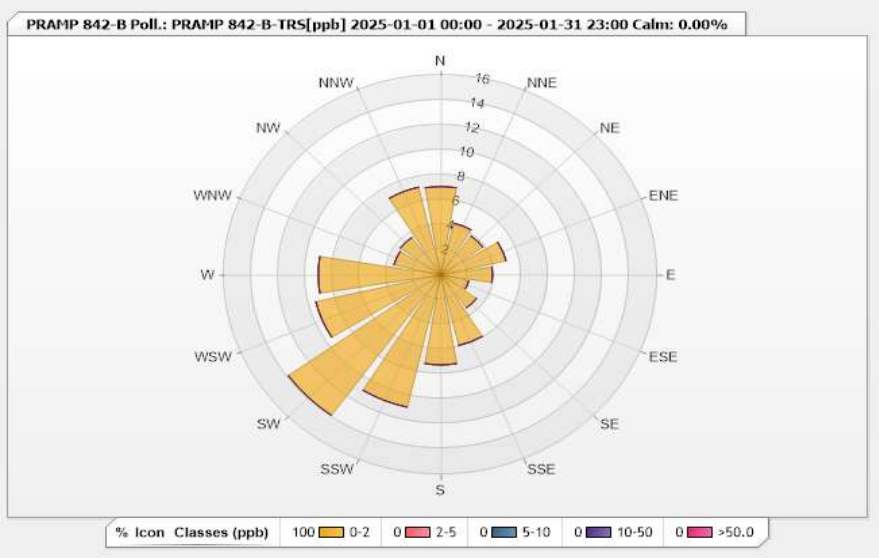


Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	7.07	0	0	0	0	7.07
NNE	4.24	0	0	0	0	4.24
NE	3.82	0	0	0	0	3.82
ENE	4.95	0	0	0	0	4.95
E	3.82	0	0	0	0	3.82
ESE	2.12	0	0	0	0	2.12
SE	3.25	0	0	0	0	3.25
SSE	5.8	0	0	0	0	5.8
S	7.21	0	0	0	0	7.21
SSW	10.89	0	0	0	0	10.89
SW	13.86	0	0	0	0	13.86
WSW	9.48	0	0	0	0	9.48
W	9.05	0	0	0	0	9.05
WNW	3.54	0	0	0	0	3.54
NW	3.68	0	0	0	0	3.68
NNW	7.21	0	0	0	0	7.21
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

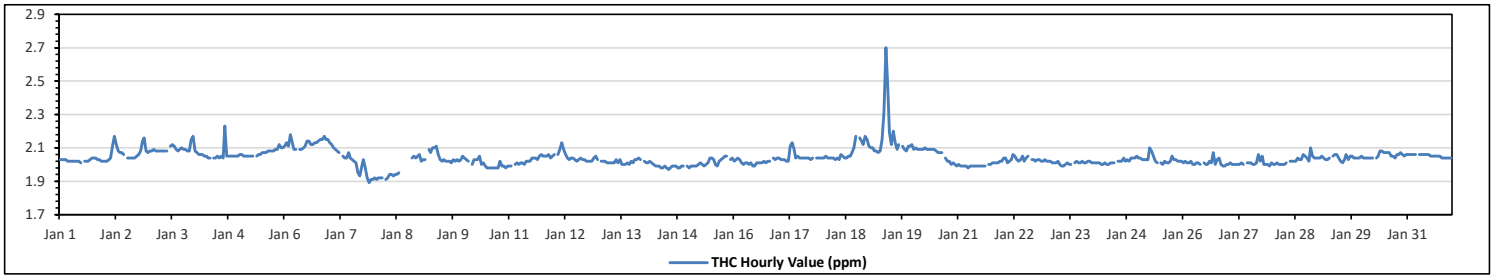
TOTAL HYDROCARBONS (THC) in ppm

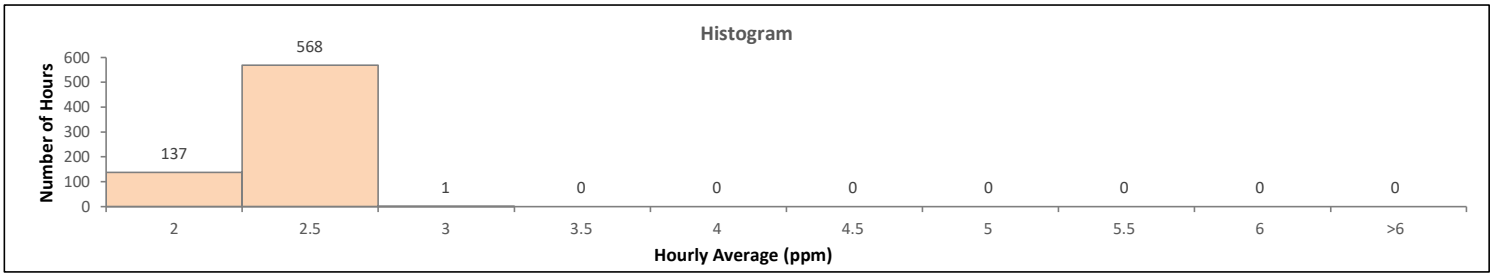
Maximum Hourly Value:	2.70	ppm	on Jan 19 at hr 9	Hours in Service:	744	
Maximum Daily Value:	2.16	ppm	on Jan 19	Hours of Data:	706	
Minimum Hourly Value:	1.89	ppm	on Jan 7 at hr 21	Hours of Missing Data:	0	
Minimum Daily Value:	1.99	ppm	on Jan 14	Hours of Calibration:	38	
Monthly Average:	2.04	ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	S	2.02	2.02	2.02	2.03	2.04	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.04	2.03
Jan 2	2.02	2.02	2.03	2.04	2.11	2.17	2.12	2.08	2.07	2.07	2.06	S	2.04	2.04	2.04	2.04	2.04	2.05	2.06	2.08	2.14	2.16	2.08	2.07	2.02	2.17	2.07
Jan 3	2.08	2.08	2.09	2.08	2.08	2.08	2.08	2.08	2.08	2.08	S	2.11	2.12	2.11	2.09	2.08	2.09	2.10	2.09	2.09	2.08	2.08	2.15	2.17	2.08	2.17	2.09
Jan 4	2.08	2.07	2.06	2.06	2.06	2.05	2.05	2.04	2.04	S	2.04	2.04	2.05	2.04	2.05	2.04	2.23	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.23	2.06
Jan 5	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	S	2.05	2.06	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.09	2.09	2.12	2.10	2.10	2.05	2.12	2.07
Jan 6	2.11	2.13	2.11	2.18	2.13	2.09	2.09	S	2.09	2.09	2.10	2.11	2.14	2.14	2.12	2.12	2.13	2.13	2.14	2.15	2.15	2.17	2.15	2.15	2.09	2.18	2.13
Jan 7	2.13	2.12	2.10	2.09	2.08	2.07	S	2.05	2.04	2.04	2.07	2.04	2.03	2.02	2.01	1.95	1.93	1.98	2.03	1.98	1.92	1.89	1.91	1.91	1.89	2.13	2.02
Jan 8	1.92	1.91	1.92	1.92	1.92	S	1.91	1.92	1.94	1.94	1.93	1.94	1.94	1.95	C	C	C	C	C	C	2.04	2.05	2.04	2.05	1.91	2.05	NA
Jan 9	2.06	2.02	2.03	2.03	S	2.09	2.07	2.10	2.10	2.11	2.06	2.03	2.02	2.03	2.02	2.02	2.02	2.01	2.03	2.02	2.03	2.02	2.03	2.05	2.01	2.11	2.04
Jan 10	2.04	2.03	2.02	S	2.00	2.03	2.03	2.03	2.05	2.00	2.01	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.02	1.99	1.99	1.98	1.99	1.98	2.05	2.00
Jan 11	1.99	1.99	S	2.00	2.01	2.00	2.01	2.01	2.00	2.02	2.02	2.02	2.04	2.04	2.04	2.03	2.05	2.06	2.05	2.05	2.05	2.06	2.04	2.05	1.99	2.06	2.03
Jan 12	2.06	S	2.06	2.09	2.13	2.09	2.06	2.04	2.03	2.04	2.04	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.04	2.05	2.03	2.02	2.13	2.04
Jan 13	S	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.03	2.01	2.03	2.00	2.00	2.00	2.01	2.00	2.02	2.01	2.03	2.03	2.04	2.03	S	2.00	2.04	2.02
Jan 14	2.02	2.01	2.01	2.02	2.01	2.00	1.99	1.99	1.99	1.98	1.98	1.99	1.98	1.97	1.98	1.99	1.99	1.99	1.98	1.98	1.99	1.99	S	1.99	1.97	2.02	1.99
Jan 15	1.98	1.99	1.99	1.99	1.99	2.00	2.01	2.00	1.99	2.00	2.01	2.04	2.04	2.03	2.00	1.99	2.02	2.03	2.04	2.05	2.05	S	2.03	2.04	1.98	2.05	2.01
Jan 16	2.02	2.03	2.04	2.03	2.01	2.00	2.01	2.01	2.00	2.01	1.99	1.99	2.01	2.01	2.01	2.01	2.02	2.01	2.02	2.02	S	2.04	2.03	2.04	1.99	2.04	2.02
Jan 17	2.04	2.03	2.03	2.03	2.02	2.02	2.11	2.13	2.09	2.04	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.04	S	2.04	2.04	2.04	2.04	2.02	2.13	2.05
Jan 18	2.04	2.05	2.04	2.04	2.04	2.04	2.03	2.04	2.03	2.06	2.05	2.04	2.04	2.05	2.05	2.07	2.10	2.17	S	2.16	2.14	2.12	2.17	2.15	2.03	2.17	2.07
Jan 19	2.11	2.10	2.10	2.08	2.08	2.07	2.08	2.15	2.32	**2.70**	2.50	2.19	2.12	2.20	2.13	2.09	2.12	S	2.11	2.09	2.08	2.11	2.11	2.12	2.07	**2.70**	**2.16**
Jan 20	2.09	2.10	2.09	2.09	2.09	2.09	2.10	2.09	2.09	2.09	2.09	2.09	2.08	2.07	2.07	2.07	S	2.04	2.02	2.02	2.00	2.01	2.00	1.99	1.99	2.10	2.06
Jan 21	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	2.00	2.00	2.01	2.01	2.01	2.01	2.02	2.02	1.98	2.02	2.00
Jan 22	2.04	2.04	2.01	2.02	2.03	2.06	2.05	2.03	2.02	2.03	2.05	2.02	2.04	2.05	S	2.03	2.03	2.02	2.03	2.03	2.02	2.02	2.03	2.02	2.01	2.06	2.03
Jan 23	2.02	2.02	2.01	2.01	2.01	2.02	2.00	1.99	1.99	2.00	2.01	2.00	2.00	S	2.01	2.02	2.01	2.01	2.02	2.01	2.01	2.02	2.02	2.01	1.99	2.02	2.01
Jan 24	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.00	2.00	2.01	2.01	2.01	S	2.02	2.02	2.02	2.04	2.02	2.03	2.02	2.04	2.04	2.04	2.05	2.00	2.05	2.02
Jan 25	2.04	2.04	2.03	2.03	2.03	2.03	2.10	2.08	2.05	2.02	2.01	S	2.01	2.00	2.02	2.01	2.01	2.02	2.05	2.03	2.03	2.02	2.02	2.02	2.00	2.10	2.03
Jan 26	2.01	2.02	2.01	2.01	2.02	2.00	2.00	2.01	2.01	2.00	S	2.01	2.00	2.00	2.02	2.01	2.07	2.00	2.03	2.04	2.00	1.99	1.99	2.00	1.99	2.07	2.01
Jan 27	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.00	S	2.01	2.01	2.01	2.00	2.00	2.01	2.06	2.02	2.05	2.00	2.00	2.00	1.99	2.01	1.99	2.06	2.01
Jan 28	2.00	2.00	2.01	2.00	2.00	2.00	2.00	2.01	S	2.02	2.02	2.02	2.02	2.04	2.03	2.03	2.06	2.05	2.04	2.02	2.10	2.05	2.04	2.04	2.00	2.10	2.03
Jan 29	2.04	2.04	2.05	2.04	2.03	2.03	2.04	S	2.05	2.06	2.06	2.04	2.02	2.01	2.03	2.06	2.03	2.05	2.05	2.04	2.04	2.04	2.04	2.05	2.01	2.06	2.04
Jan 30	2.04	2.04	2.04	2.04	2.04	2.04	S	2.04	2.05	2.08	2.08	2.07	2.07	2.07	2.07	2.05	2.05	2.04	2.06	2.06	2.07	2.06	2.05	2.06	2.04	2.08	2.06
Jan 31	2.06	2.06	2.06	2.06	2.06	S	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.06	2.05
Diurnal Maximum	2.13	2.13	2.11	2.18	2.13	2.17	2.12	2.15	2.32	2.70	2.50	2.19	2.14	2.20	2.13	2.12	2.23	2.17	2.14	2.16	2.15	2.17	2.17	2.17			
Diurnal Average	2.04	2.04	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.06	2.05	2.04	2.03	2.04	2.03	2.03	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



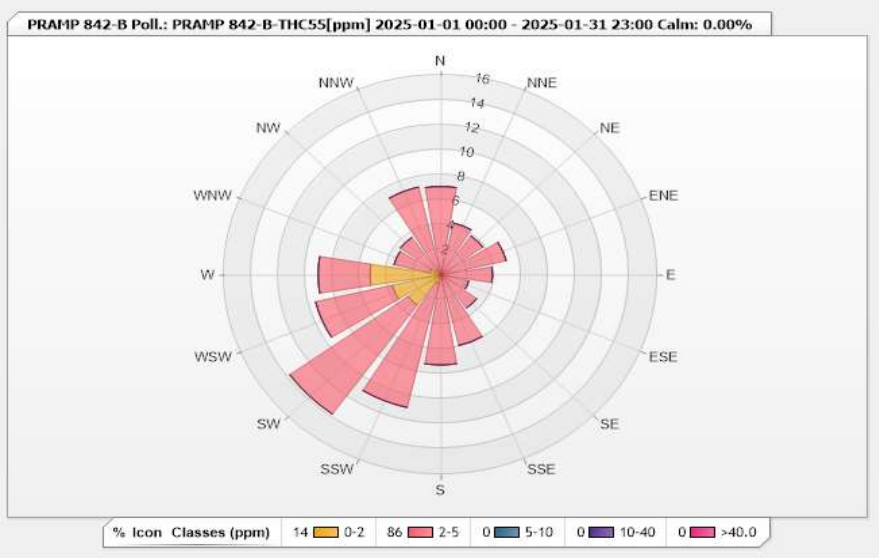


Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0.14	6.94	0	0	0	7.08
NNE	0	4.25	0	0	0	4.25
NE	0	3.82	0	0	0	3.82
ENE	0	4.96	0	0	0	4.96
E	0	3.82	0	0	0	3.82
ESE	0	2.12	0	0	0	2.12
SE	0.14	3.12	0	0	0	3.26
SSE	0	5.81	0	0	0	5.81
S	0	7.22	0	0	0	7.22
SSW	0.71	10.2	0	0	0	10.91
SW	2.97	10.76	0	0	0	13.73
WSW	3.68	5.81	0	0	0	9.49
W	5.24	3.82	0	0	0	9.06
WNW	0.85	2.69	0	0	0	3.54
NW	0.42	3.26	0	0	0	3.68
NNW	0.14	7.08	0	0	0	7.22
Summary	14.29	85.68	0	0	0	100



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

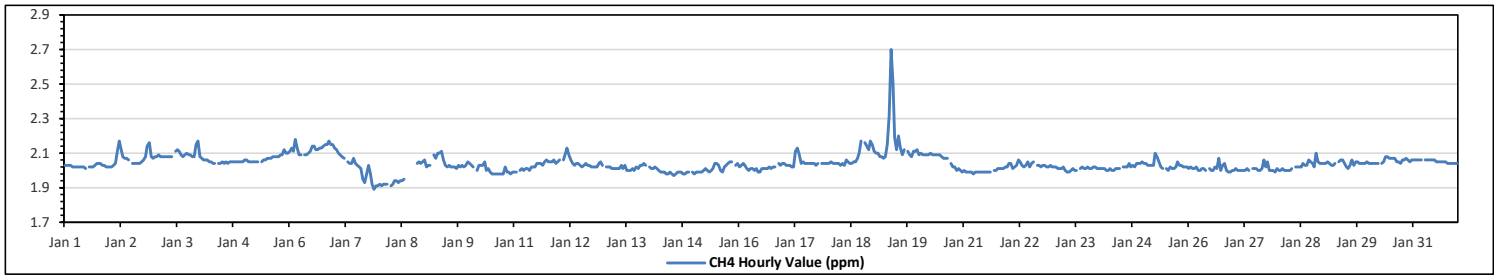
METHANE (CH4) in ppm

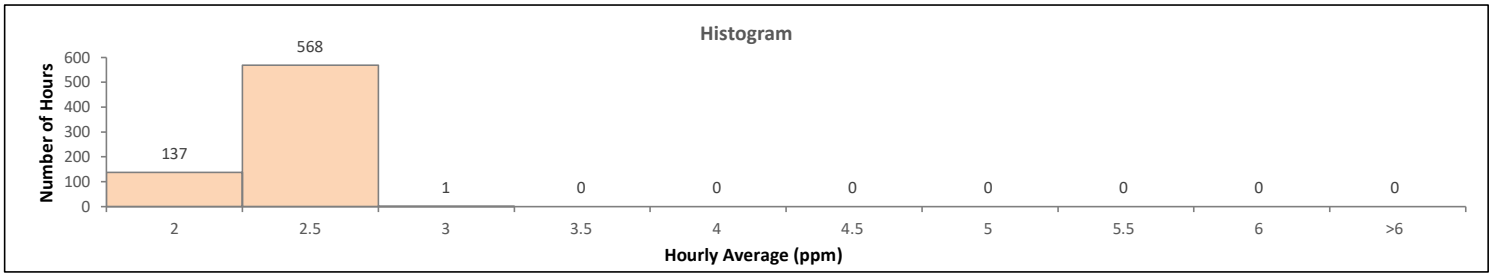
Maximum Hourly Value:	2.70	ppm	on Jan 19 at hr 9	Hours in Service:	744
Maximum Daily Value:	2.16	ppm	on Jan 19	Hours of Data:	706
Minimum Hourly Value:	1.89	ppm	on Jan 7 at hr 21	Hours of Missing Data:	0
Minimum Daily Value:	1.99	ppm	on Jan 14	Hours of Calibration:	38
Monthly Average:	2.04	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.01	S	2.02	2.02	2.02	2.03	2.04	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.04	2.03
Jan 2	2.02	2.02	2.03	2.04	2.11	2.17	2.12	2.08	2.07	2.07	2.06	S	2.04	2.04	2.04	2.04	2.04	2.05	2.06	2.08	2.14	2.16	2.08	2.07	2.02	2.17	2.07
Jan 3	2.08	2.08	2.09	2.08	2.08	2.08	2.08	2.08	2.08	2.08	S	2.11	2.12	2.11	2.09	2.08	2.09	2.10	2.09	2.09	2.08	2.08	2.15	2.17	2.08	2.17	2.09
Jan 4	2.08	2.07	2.06	2.06	2.06	2.05	2.05	2.04	2.04	S	2.04	2.04	2.05	2.04	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.08	2.05
Jan 5	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	S	2.05	2.06	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.09	2.09	2.12	2.10	2.10	2.05	2.12	2.07
Jan 6	2.11	2.13	2.11	2.18	2.13	2.09	2.09	S	2.09	2.09	2.10	2.11	2.14	2.14	2.12	2.12	2.13	2.13	2.14	2.15	2.15	2.17	2.15	2.15	2.09	2.18	2.13
Jan 7	2.13	2.12	2.10	2.09	2.08	2.07	S	2.05	2.04	2.04	2.07	2.04	2.03	2.02	2.01	1.95	1.93	1.98	2.03	1.98	1.92	1.89	1.91	1.91	1.89	2.13	2.02
Jan 8	1.92	1.91	1.92	1.92	1.92	S	1.91	1.92	1.94	1.94	1.93	1.94	1.94	1.95	C	C	C	C	C	C	2.04	2.05	2.04	2.05	1.91	2.05	NA
Jan 9	2.06	2.02	2.03	2.03	S	2.09	2.07	2.10	2.10	2.11	2.06	2.03	2.02	2.03	2.02	2.02	2.02	2.01	2.03	2.02	2.03	2.02	2.03	2.05	2.01	2.11	2.04
Jan 10	2.04	2.03	2.02	S	2.00	2.03	2.03	2.03	2.05	2.00	2.01	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	2.02	1.99	1.99	1.98	1.99	1.98	2.05	2.00
Jan 11	1.99	1.99	S	2.00	2.01	2.00	2.01	2.01	2.00	2.02	2.02	2.02	2.04	2.04	2.04	2.03	2.05	2.06	2.05	2.05	2.05	2.06	2.04	2.05	1.99	2.06	2.03
Jan 12	2.06	S	2.06	2.09	2.13	2.09	2.06	2.04	2.03	2.04	2.04	2.03	2.02	2.03	2.04	2.03	2.03	2.02	2.02	2.02	2.02	2.04	2.05	2.03	2.02	2.13	2.04
Jan 13	S	2.02	2.02	2.02	2.01	2.01	2.01	2.01	2.01	2.03	2.01	2.03	2.00	2.00	2.00	2.01	2.00	2.02	2.01	2.03	2.03	2.04	2.03	S	2.00	2.04	2.02
Jan 14	2.02	2.01	2.01	2.02	2.01	2.00	1.99	1.99	1.99	1.98	1.98	1.99	1.98	1.97	1.98	1.99	1.99	1.99	1.98	1.98	1.99	1.99	S	1.99	1.97	2.02	1.99
Jan 15	1.98	1.99	1.99	1.99	1.99	2.00	2.01	2.00	1.99	2.00	2.01	2.04	2.04	2.03	2.00	1.99	2.02	2.03	2.04	2.05	2.05	S	2.03	2.04	1.98	2.05	2.01
Jan 16	2.02	2.03	2.04	2.03	2.01	2.00	2.01	2.01	2.00	2.01	1.99	1.99	2.01	2.01	2.01	2.01	2.02	2.01	2.02	2.02	S	2.04	2.03	2.04	1.99	2.04	2.02
Jan 17	2.04	2.03	2.03	2.03	2.02	2.02	2.11	2.13	2.09	2.04	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.04	S	2.04	2.04	2.04	2.04	2.02	2.13	2.05
Jan 18	2.04	2.05	2.04	2.04	2.04	2.04	2.03	2.04	2.03	2.06	2.05	2.04	2.04	2.05	2.05	2.07	2.10	2.17	S	2.16	2.14	2.12	2.17	2.15	2.03	2.17	2.07
Jan 19	2.11	2.10	2.10	2.08	2.08	2.07	2.08	2.15	2.32	**2.70**	2.50	2.19	2.12	2.20	2.13	2.09	2.12	S	2.11	2.09	2.08	2.11	2.11	2.12	2.07	**2.70**	**2.16**
Jan 20	2.09	2.10	2.09	2.09	2.09	2.09	2.10	2.09	2.09	2.09	2.09	2.09	2.08	2.07	2.07	2.07	S	2.04	2.02	2.02	2.00	2.01	2.00	1.99	1.99	2.10	2.06
Jan 21	2.00	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	2.00	2.00	2.01	2.01	2.01	2.01	2.02	2.02	1.98	2.02	2.00
Jan 22	2.04	2.04	2.01	2.02	2.03	2.06	2.05	2.03	2.02	2.03	2.05	2.02	2.04	2.05	S	2.03	2.03	2.02	2.03	2.03	2.02	2.02	2.03	2.02	2.01	2.06	2.03
Jan 23	2.02	2.02	2.01	2.01	2.01	2.02	2.00	1.99	1.99	2.00	2.01	2.00	2.00	S	2.01	2.02	2.01	2.01	2.02	2.01	2.01	2.02	2.02	2.01	1.99	2.02	2.01
Jan 24	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.00	2.00	2.01	2.01	2.01	S	2.02	2.02	2.02	2.04	2.02	2.03	2.02	2.04	2.04	2.04	2.05	2.00	2.05	2.02
Jan 25	2.04	2.04	2.03	2.03	2.03	2.03	2.10	2.08	2.05	2.02	2.01	S	2.01	2.00	2.02	2.01	2.01	2.02	2.05	2.03	2.03	2.02	2.02	2.02	2.00	2.10	2.03
Jan 26	2.01	2.02	2.01	2.01	2.02	2.00	2.00	2.01	2.01	2.00	S	2.01	2.00	2.00	2.02	2.01	2.07	2.00	2.03	2.04	2.00	1.99	1.99	2.00	1.99	2.07	2.01
Jan 27	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.01	2.00	S	2.01	2.01	2.01	2.00	2.00	2.01	2.06	2.02	2.05	2.00	2.00	2.00	1.99	2.01	1.99	2.06	2.01
Jan 28	2.00	2.00	2.01	2.00	2.00	2.00	2.00	2.01	S	2.02	2.02	2.02	2.02	2.04	2.03	2.03	2.06	2.05	2.04	2.02	2.10	2.05	2.04	2.04	2.00	2.10	2.03
Jan 29	2.04	2.04	2.05	2.04	2.03	2.03	2.04	S	2.05	2.06	2.06	2.04	2.02	2.01	2.03	2.06	2.03	2.05	2.05	2.04	2.04	2.04	2.04	2.05	2.01	2.06	2.04
Jan 30	2.04	2.04	2.04	2.04	2.04	2.04	S	2.04	2.05	2.08	2.08	2.07	2.07	2.07	2.07	2.05	2.05	2.04	2.06	2.06	2.07	2.06	2.05	2.06	2.04	2.08	2.06
Jan 31	2.06	2.06	2.06	2.06	2.06	S	2.06	2.06	2.06	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.05	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.06	2.05
Diurnal Maximum	2.13	2.13	2.11	2.18	2.13	2.17	2.12	2.15	2.32	2.70	2.50	2.19	2.14	2.20	2.13	2.12	2.13	2.17	2.14	2.16	2.15	2.17	2.17	2.17			
Diurnal Average	2.04	2.04	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.06	2.05	2.04	2.03	2.04	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



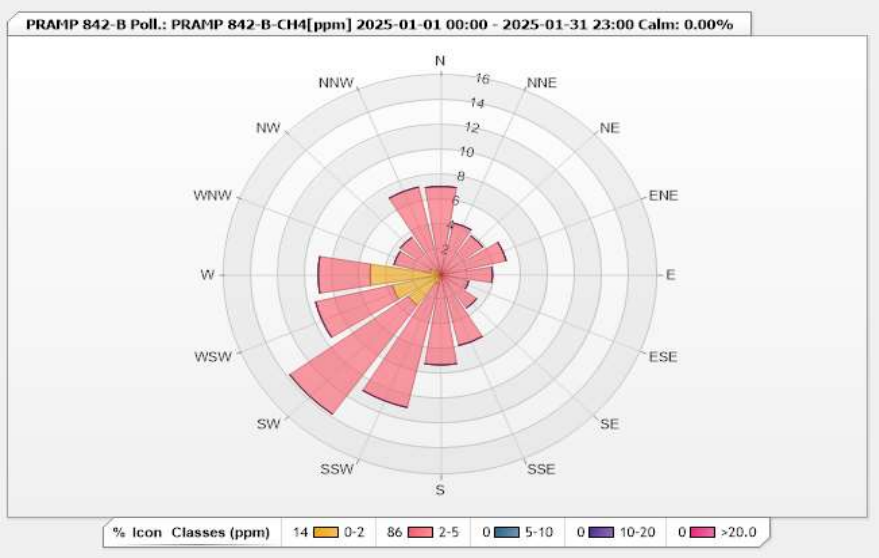


Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0.14	6.94	0	0	0	7.08
NNE	0	4.25	0	0	0	4.25
NE	0	3.82	0	0	0	3.82
ENE	0	4.96	0	0	0	4.96
E	0	3.82	0	0	0	3.82
ESE	0	2.12	0	0	0	2.12
SE	0.14	3.12	0	0	0	3.26
SSE	0	5.81	0	0	0	5.81
S	0	7.22	0	0	0	7.22
SSW	0.71	10.2	0	0	0	10.91
SW	2.97	10.76	0	0	0	13.73
WSW	3.68	5.81	0	0	0	9.49
W	5.24	3.82	0	0	0	9.06
WNW	0.85	2.69	0	0	0	3.54
NW	0.42	3.26	0	0	0	3.68
NNW	0.14	7.08	0	0	0	7.22
Summary	14.29	85.68	0	0	0	100



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

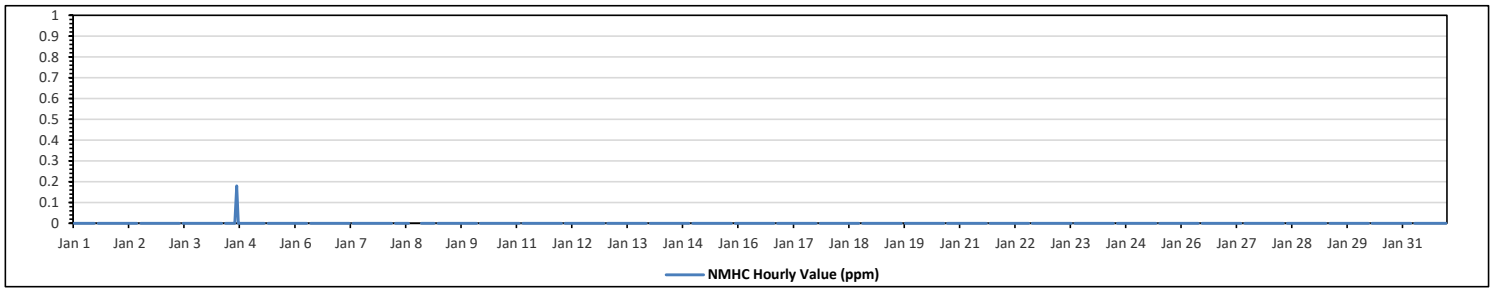
NON-METHANE HYDROCARBONS (NMHC) in ppm

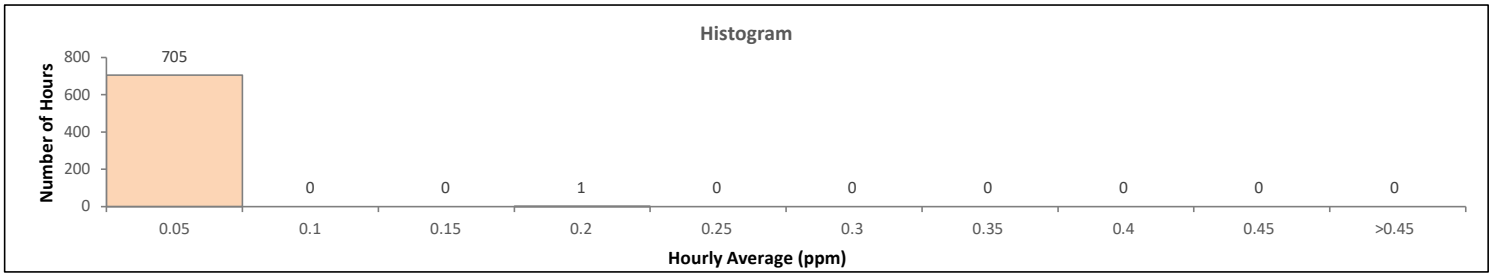
Maximum Hourly Value:	0.18	ppm	on Jan 4 at hr 16	Hours in Service:	744	
Maximum Daily Value:	0.01	ppm	on Jan 4	Hours of Data:	706	
Minimum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.00	ppm	on Jan 1	Hours of Calibration:	38	
Monthly Average:	0.00	ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	**0.18**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.18**	**0.01**
Jan 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 7	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 8	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	NA
Jan 9	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 10	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 11	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 12	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 13	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Jan 14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Jan 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Jan 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Jan 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 30	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 31	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



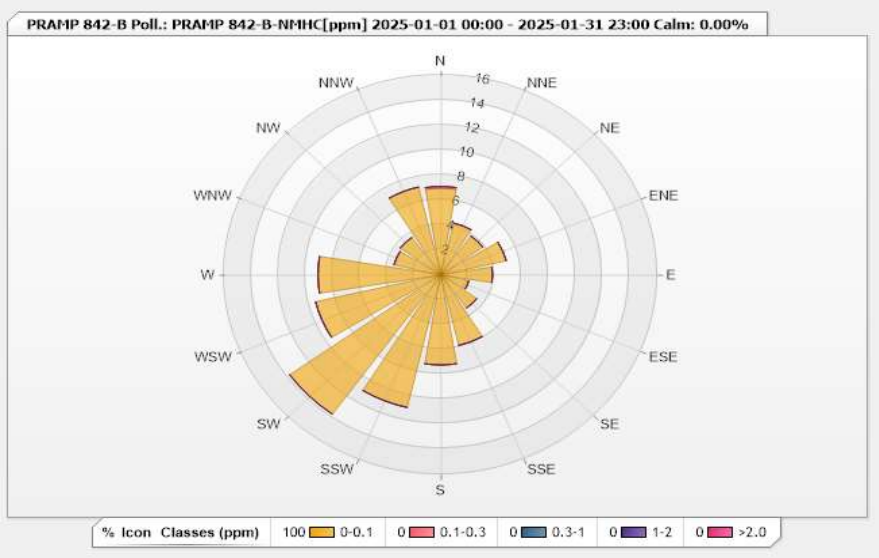


Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 94.89% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	6.94	0.14	0	0	0	7.08
NNE	4.25	0	0	0	0	4.25
NE	3.82	0	0	0	0	3.82
ENE	4.96	0	0	0	0	4.96
E	3.82	0	0	0	0	3.82
ESE	2.12	0	0	0	0	2.12
SE	3.26	0	0	0	0	3.26
SSE	5.81	0	0	0	0	5.81
S	7.22	0	0	0	0	7.22
SSW	10.91	0	0	0	0	10.91
SW	13.74	0	0	0	0	13.74
WSW	9.49	0	0	0	0	9.49
W	9.07	0	0	0	0	9.07
WNW	3.54	0	0	0	0	3.54
NW	3.68	0	0	0	0	3.68
NNW	7.22	0	0	0	0	7.22
Summary	100	0.14	0	0	0	100



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

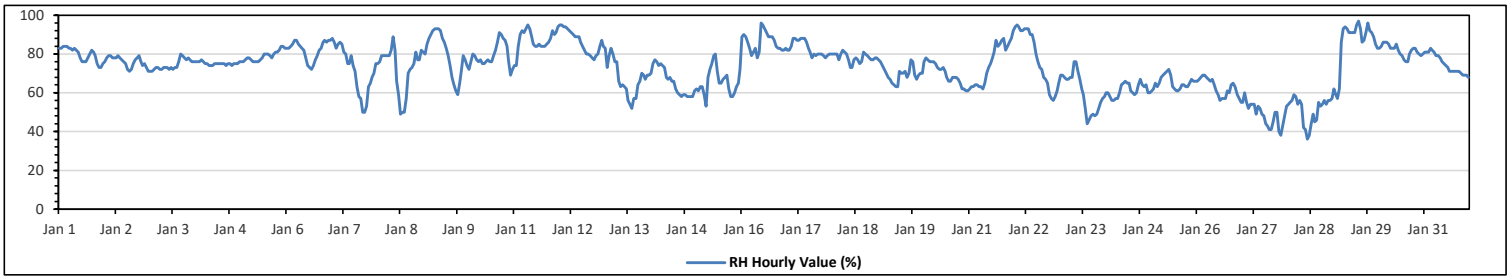
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	97	%	on Jan 29 at hr 13	Hours in Service:	744
Maximum Daily Value:	87.1	%	on Jan 11	Hours of Data:	744
Minimum Hourly Value:	36	%	on Jan 28 at hr 10	Hours of Missing Data:	0
Minimum Daily Value:	48.8	%	on Jan 27	Hours of Calibration:	0
Monthly Average:	73.3	%		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	83	83	84	84	84	83	83	82	83	82	81	78	76	76	76	78	80	82	81	79	75	73	73	75	73	84	79.8
Jan 2	76	78	79	79	78	78	78	79	78	77	76	75	72	71	72	75	77	78	79	76	74	75	73	71	71	79	76.0
Jan 3	71	71	72	73	73	72	72	73	73	73	72	73	72	73	73	76	80	79	78	77	78	77	76	76	71	80	74.3
Jan 4	76	76	76	77	76	75	75	74	74	74	75	75	75	75	75	75	74	75	75	74	75	75	75	76	74	77	75.1
Jan 5	76	76	77	78	78	77	76	76	76	76	77	78	80	80	80	79	78	80	81	81	82	84	84	83	76	84	78.9
Jan 6	83	83	84	85	87	87	85	84	83	82	78	74	73	72	74	77	79	82	83	86	87	86	87	87	72	87	82.0
Jan 7	88	86	83	85	86	85	81	80	75	75	79	74	71	63	58	57	50	50	53	63	65	68	70	75	50	88	71.7
Jan 8	75	76	79	79	79	79	79	82	89	82	66	59	49	50	50	57	70	72	73	75	81	77	77	82	49	89	72.4
Jan 9	81	80	85	88	90	92	93	93	93	92	88	86	83	79	74	68	64	61	59	65	71	79	77	74	59	93	79.8
Jan 10	72	76	80	79	77	76	77	75	75	76	77	76	76	79	82	86	91	90	88	87	84	76	69	72	69	91	79.0
Jan 11	74	74	84	90	92	91	93	95	93	89	85	84	84	85	84	84	84	85	86	88	92	90	91	94	74	95	**87.1**
Jan 12	95	95	94	94	93	92	91	90	89	89	89	86	84	82	80	80	79	78	77	79	80	84	87	84	77	95	86.3
Jan 13	83	73	79	83	80	76	76	66	63	64	63	62	56	54	52	57	57	64	66	70	69	67	69	69	52	83	67.4
Jan 14	70	75	77	76	74	75	74	73	68	67	68	66	66	62	60	59	58	59	59	58	58	58	58	61	58	77	65.8
Jan 15	62	61	63	63	59	53	68	72	75	79	80	71	65	65	67	68	69	62	58	58	60	63	65	72	53	80	65.8
Jan 16	89	90	89	86	83	79	81	83	78	81	96	95	93	91	89	89	89	87	84	83	83	82	82	83	78	96	86.0
Jan 17	82	82	84	88	88	87	87	88	88	88	86	83	81	78	80	79	80	80	80	79	78	79	80	80	78	88	82.7
Jan 18	80	80	80	77	80	82	81	80	77	73	73	77	78	77	75	76	81	80	79	78	77	77	78	78	73	82	78.1
Jan 19	77	76	74	72	70	68	67	65	64	63	63	71	70	70	71	68	70	77	76	69	67	69	70	70	63	77	69.9
Jan 20	76	78	77	76	76	76	75	73	72	72	73	71	68	66	66	68	68	68	67	65	62	62	61	61	61	78	69.9
Jan 21	62	63	63	64	64	63	63	62	65	70	73	75	78	81	87	84	85	87	88	82	84	86	88	92	62	92	75.4
Jan 22	94	95	94	92	92	93	93	93	90	90	86	80	76	73	72	68	67	65	59	57	56	58	61	65	56	95	77.9
Jan 23	69	69	68	67	67	68	68	76	76	71	67	62	59	52	44	46	48	49	48	49	52	55	57	58	44	76	60.2
Jan 24	60	60	58	56	56	57	57	60	64	65	66	65	65	61	60	59	60	64	67	64	63	64	60	60	56	67	61.3
Jan 25	61	62	65	63	65	68	69	70	71	72	69	63	62	61	61	62	64	64	63	63	65	67	66	66	61	72	65.1
Jan 26	66	67	68	69	69	68	67	66	67	64	61	59	56	57	57	57	61	60	64	65	63	59	57	55	55	69	62.6
Jan 27	55	60	55	52	54	54	54	49	53	52	49	48	44	43	41	41	45	50	50	40	38	43	48	53	38	60	**48.8**
Jan 28	54	55	56	59	58	54	56	54	42	41	**36**	38	44	49	45	46	55	53	54	56	54	56	56	57	**36**	59	51.2
Jan 29	62	59	57	62	86	93	94	93	91	91	91	91	95	**97**	93	86	87	91	96	92	91	89	85	83	57	**97**	85.6
Jan 30	83	84	86	86	86	85	83	83	83	85	82	80	79	77	76	76	80	82	83	83	81	80	79	80	76	86	81.8
Jan 31	81	81	81	83	82	81	79	79	78	76	75	74	73	71	71	71	71	71	71	70	69	69	69	68	68	83	74.8
Diurnal Maximum	95	95	94	94	93	93	94	95	93	92	96	95	95	97	93	89	91	91	96	92	92	90	91	94			
Diurnal Average	74.7	75.0	75.8	76.3	76.8	76.4	76.6	76.4	75.7	75.2	74.2	72.5	71.1	70.0	69.2	69.4	71.0	71.8	71.8	71.3	71.4	71.8	71.9	72.9			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

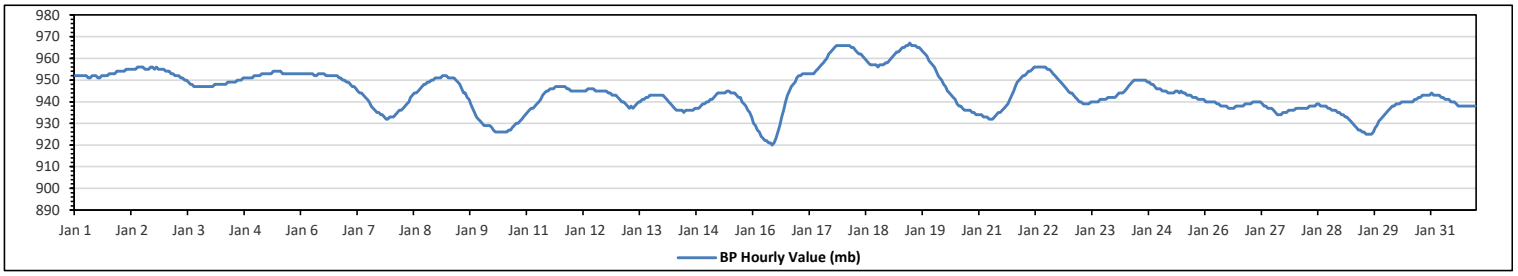
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	967	mb	on Jan 19 at hr 11	Hours in Service:	744
Maximum Daily Value:	963	mb	on Jan 19	Hours of Data:	744
Minimum Hourly Value:	920	mb	on Jan 16 at hr 10	Hours of Missing Data:	0
Minimum Daily Value:	929	mb	on Jan 10	Hours of Calibration:	0
Monthly Average:	944	mb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	952	952	952	952	952	952	952	951	951	952	952	952	951	951	952	952	952	952	953	953	953	953	954	954	951	954	952
Jan 2	954	954	954	955	955	955	955	955	955	956	956	956	956	955	955	955	956	956	955	956	955	955	955	955	954	956	955
Jan 3	954	954	954	953	953	952	952	952	951	951	950	950	949	948	948	947	947	947	947	947	947	947	947	947	947	954	950
Jan 4	947	947	948	948	948	948	948	948	948	949	949	949	949	949	950	950	950	951	951	951	951	951	951	952	947	952	949
Jan 5	952	952	952	953	953	953	953	953	953	954	954	954	954	954	953	953	953	953	953	953	953	953	953	953	952	954	953
Jan 6	953	953	953	953	953	953	953	952	952	953	953	953	953	952	952	952	952	952	952	952	951	951	950	950	950	953	952
Jan 7	949	949	948	947	947	946	945	944	944	943	942	941	940	938	937	936	935	935	934	934	933	932	932	933	932	949	940
Jan 8	933	933	934	935	936	936	937	938	939	940	942	943	944	944	945	946	947	948	948	949	949	950	950	951	933	951	942
Jan 9	951	951	951	952	952	952	951	951	951	951	950	949	948	946	944	944	942	941	939	937	935	933	932	931	931	952	945
Jan 10	930	929	929	929	929	928	927	926	926	926	926	926	926	926	927	927	928	929	930	930	931	932	933	934	926	934	**929**
Jan 11	935	936	937	937	938	939	940	941	943	944	945	945	946	946	946	947	947	947	947	947	947	946	946	945	935	947	943
Jan 12	945	945	945	945	945	945	945	945	946	946	946	946	945	945	945	945	945	945	945	944	944	943	943	943	943	946	945
Jan 13	942	941	940	940	939	938	937	938	937	938	939	940	940	941	941	942	942	943	943	943	943	943	943	943	937	943	941
Jan 14	943	942	941	940	939	938	937	936	936	936	936	935	936	936	936	936	936	937	937	937	938	939	939	940	935	943	938
Jan 15	940	941	941	942	943	944	944	944	944	944	945	945	944	944	944	943	942	942	940	939	938	936	935	933	933	945	942
Jan 16	930	929	927	926	924	923	922	922	921	921	**920**	921	923	926	929	933	936	940	943	945	947	948	949	951	**920**	951	932
Jan 17	952	952	953	953	953	953	953	953	953	954	955	956	957	958	959	960	962	963	964	965	966	966	966	966	952	966	958
Jan 18	966	966	966	966	965	965	964	963	962	962	961	960	959	958	957	957	957	957	956	957	957	957	958	958	956	966	961
Jan 19	959	960	961	962	963	963	964	965	965	966	966	**967**	966	966	966	965	965	964	963	962	961	959	958	957	957	**967**	**963**
Jan 20	956	954	952	951	950	948	947	945	944	943	942	941	939	938	938	937	936	936	936	936	935	935	934	934	934	956	942
Jan 21	934	934	933	933	933	932	932	932	933	934	935	935	936	937	938	939	941	943	945	947	949	950	951	952	932	952	939
Jan 22	952	953	954	954	955	956	956	956	956	956	956	956	955	955	954	953	952	951	950	949	948	947	946	945	945	956	953
Jan 23	944	944	943	942	941	940	940	939	939	939	939	940	940	940	940	940	941	941	941	941	942	942	942	942	939	944	941
Jan 24	942	943	944	944	944	945	946	947	948	949	950	950	950	950	950	950	950	949	949	948	948	947	946	946	942	950	947
Jan 25	946	945	945	945	944	944	944	944	945	945	944	945	944	944	943	943	943	942	942	942	941	941	941	941	941	946	943
Jan 26	940	940	940	940	940	940	939	939	938	938	938	938	937	937	937	937	938	938	938	938	938	939	939	939	937	940	939
Jan 27	939	940	940	940	940	940	939	938	938	937	937	937	936	935	934	934	934	935	935	935	936	936	936	936	934	940	937
Jan 28	937	937	937	937	937	937	937	938	938	938	938	939	939	938	938	938	938	937	937	936	936	936	935	935	935	939	937
Jan 29	934	934	933	933	932	931	930	929	928	927	927	926	926	925	925	925	925	926	928	929	931	932	933	934	925	934	929
Jan 30	935	936	937	938	938	939	939	939	940	940	940	940	940	940	940	941	941	942	942	943	943	943	943	943	935	943	940
Jan 31	944	943	943	943	943	942	942	941	941	941	940	940	940	939	938	938	938	938	938	938	938	938	938	938	938	944	940
Diurnal Maximum	966	966	966	966	965	965	964	965	965	966	966	967	966	966	966	965	965	964	964	965	966	966	966	966			
Diurnal Average	945	945	945	945	945	944	944	944	944	944	944	944	944	944	944	944	944	945	945	945	945	945	944	945			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

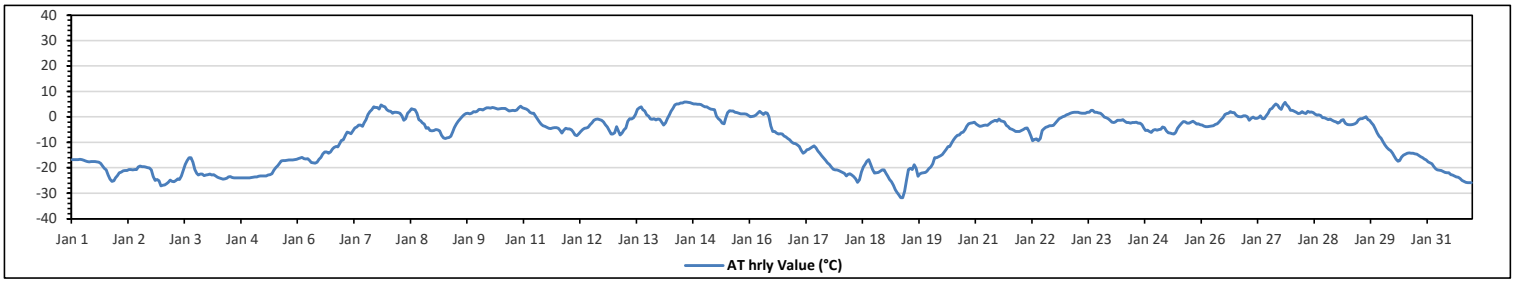
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	5.9	°C	on Jan 14 at hr 13	Hours in Service:	744	
Maximum Daily Value:	3.4	°C	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	-31.7	°C	on Jan 19 at hr 8	Hours of Missing Data:	0	
Minimum Daily Value:	-24.2	°C	on Jan 19	Hours of Calibration:	0	
Monthly Average:	-8.1	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	-16.7	-16.8	-16.7	-16.7	-16.6	-16.7	-17	-17.3	-17.5	-17.6	-17.5	-17.5	-17.5	-17.6	-17.8	-18.3	-19.1	-20.2	-20.8	-22.8	-24.4	-25.3	-25.1	-24	-25.3	-16.6	-19.1
Jan 2	-23	-21.9	-21.6	-21.2	-21.1	-21	-20.7	-20.7	-20.8	-20.7	-20.6	-19.7	-19.3	-19.5	-19.5	-19.6	-19.9	-20.1	-20.8	-23.4	-25	-24.5	-25.1	-27	-27.0	-19.3	-21.5
Jan 3	-26.9	-26.7	-26.2	-25.6	-24.8	-25.4	-25.5	-25	-24.3	-24.6	-23.2	-20.9	-18.7	-17.2	-16.1	-16	-17.8	-20.6	-22.1	-22.9	-22.5	-22.5	-23	-22.8	-26.9	-16.0	-22.6
Jan 4	-22.7	-22.5	-22.8	-22.7	-23.2	-23.7	-24	-24.2	-24.4	-24.3	-24.1	-23.6	-23.4	-23.8	-23.9	-23.9	-23.9	-23.9	-23.9	-23.9	-24	-24	-23.9	-23.8	-24.4	-22.5	-23.7
Jan 5	-23.7	-23.6	-23.5	-23.3	-23.2	-23.2	-23.2	-23.1	-22.9	-22.7	-22.3	-20.9	-19.9	-19.1	-18.2	-17.3	-17.2	-17.2	-17	-16.9	-16.9	-16.9	-16.8	-16.6	-23.7	-16.6	-20.2
Jan 6	-16.3	-16.2	-15.9	-16.3	-16.5	-16.4	-17.2	-17.9	-18	-18.2	-17.7	-16.6	-15.9	-14.5	-13.7	-13.7	-14.2	-13.7	-12.6	-12	-11.6	-11.7	-10.6	-9.2	-18.2	-9.2	-14.9
Jan 7	-9	-7.3	-5.9	-6.2	-6.6	-5.5	-4.3	-4	-3.1	-3.2	-3.7	-2.3	-1.1	1	2.1	2.8	4	3.8	3.8	3.1	4.7	4.2	3.9	2.8	-9.0	4.7	-1.1
Jan 8	2.4	2.2	1.5	1.8	1.8	1.7	1.5	0.4	-1.4	-0.7	1.5	2.3	3.2	2.9	2.8	1.5	-1.1	-1.5	-2.3	-2.8	-4.4	-4.2	-5.3	-5.5	-5.5	3.2	-0.1
Jan 9	-5.3	-4.9	-5.1	-5.5	-7.2	-8.2	-8.4	-8.2	-8.1	-7.6	-5.8	-4.2	-2.8	-1.6	-0.8	0.1	0.8	1.3	1.5	1.2	1.4	2.1	2	2.3	-8.4	2.3	-3.0
Jan 10	2.9	2.9	2.7	3.2	3.7	3.7	3.5	3.8	3.6	3.3	3.1	3.2	3.4	3.3	3.3	2.8	2.4	2.5	2.6	2.5	2.7	3.6	4.2	3.6	2.4	4.2	3.2
Jan 11	3.3	3.1	2.6	1.9	1.5	1.5	0.5	-0.7	-1.8	-2.8	-3.4	-3.7	-4.1	-4.4	-4.6	-4.3	-4.2	-4.2	-4.4	-5.2	-6.4	-5.2	-4.4	-4.7	-6.4	3.3	-2.3
Jan 12	-4.7	-5.1	-5.8	-7	-7.3	-6.6	-5.7	-4.9	-4.4	-4.3	-4.1	-3	-2.3	-1.3	-0.9	-0.8	-1.1	-1.3	-1.9	-3	-4	-5.4	-6.7	-6.7	-7.3	-0.8	-4.1
Jan 13	-6.2	-3.8	-5.4	-7.1	-6.4	-5.1	-4.3	-1.7	-0.7	-0.8	-0.2	1	2.9	3.7	3.9	2.8	2.4	0.9	0.3	-0.8	-0.9	-0.7	-1.2	-0.8	-7.1	3.9	-1.2
Jan 14	-0.9	-2	-3.1	-2.3	-0.5	0.9	2.3	3.4	4.7	5.1	5.2	5.5	5.5	**5.9**	**5.9**	5.8	5.6	5.3	5.2	5.1	5	5	4.9	4.4	-3.1	**5.9**	**3.4**
Jan 15	3.9	3.9	3.5	3.1	3	2.8	0.3	-0.6	-1.4	-2.4	-2.7	-0.4	1.7	2.5	2.4	2.4	1.9	1.7	1.5	1.2	1.2	1.2	1.1	0.6	-2.7	3.9	1.4
Jan 16	0.1	0.2	0.3	0.7	1.4	2.2	1.6	1	1.7	1.4	0.1	-3.6	-5.7	-5.7	-6.4	-6.7	-6.6	-6.8	-7.4	-7.9	-8.5	-9	-9.8	-10.3	-10.3	2.2	-3.5
Jan 17	-10.5	-10.9	-11.6	-13.1	-14.2	-13.7	-12.9	-12.7	-12.2	-11.8	-11.4	-12.1	-13.4	-14.3	-15.2	-16.2	-17	-18	-18.7	-19.7	-20.5	-20.8	-20.8	-21.1	-21.1	-10.5	-15.1
Jan 18	-21.4	-21.7	-22.1	-23.1	-22.6	-22.3	-22.8	-23.4	-24.3	-25.6	-24.7	-21.6	-19.6	-18.5	-17.4	-16.8	-18.7	-20.7	-22	-21.9	-21.8	-21.3	-20.8	-20.8	-25.6	-16.8	-21.5
Jan 19	-22.2	-23.1	-24.6	-25.5	-26.9	-28.5	-29.6	-30.6	**-31.7**	**-31.7**	-29.3	-24.8	-20.6	-20.2	-20.6	-18.8	-20.2	-23.3	-22.4	-22	-21.9	-21.8	-21.3	-20.3	**-31.7**	-18.8	**-24.2**
Jan 20	-19.6	-18.4	-16.1	-16	-15.6	-15.3	-14.8	-13.7	-12.7	-11.6	-11.6	-10.2	-9	-8	-7.2	-7	-6.2	-5.9	-5	-3.7	-2.7	-2.5	-2.3	-2	-19.6	-2.0	-9.9
Jan 21	-2.8	-3.3	-3.7	-3.6	-3.3	-3.2	-3.3	-2.7	-2.1	-1.6	-1.4	-1.6	-0.8	-1.5	-1.7	-1.9	-3.3	-3.9	-4.6	-4.8	-5.2	-5.6	-5.7	-5.7	-5.7	-0.8	-3.2
Jan 22	-5.4	-4.9	-4.4	-4.3	-5.6	-7.6	-9.4	-8.8	-8.6	-9.4	-8.4	-5.4	-4.7	-4.1	-3.8	-3.4	-3.4	-3.3	-2.4	-1.5	-0.6	-0.3	0	0.3	-9.4	0.3	-4.6
Jan 23	0.8	1.1	1.4	1.7	1.9	1.9	1.8	1.6	1.4	1.5	1.5	1.8	1.9	2.6	2.6	1.9	1.8	1.6	1.4	0.8	-0.1	-0.3	-0.7	-1.3	-1.3	2.6	1.3
Jan 24	-2	-2.2	-1.9	-1.3	-1.4	-1.3	-1.1	-1.6	-2.2	-2.2	-2.4	-2.2	-2.2	-2.1	-2.4	-2.4	-3	-4.4	-5.4	-5.2	-5.6	-6.1	-5.2	-4.9	-6.1	-1.1	-2.9
Jan 25	-5.2	-4.9	-4.8	-4	-4.2	-5.5	-6.2	-6.4	-6.6	-6.7	-6.1	-4.4	-3.4	-2.6	-1.8	-1.9	-2.5	-2.5	-2	-1.7	-2.2	-2.8	-2.7	-3	-6.7	-1.7	-3.9
Jan 26	-3.2	-3.5	-3.8	-3.8	-3.7	-3.6	-3.4	-2.9	-2.7	-1.9	-1	-0.2	1	1.3	1.5	2.1	1.7	1.7	0.7	0.2	0	0.1	0.4	0.5	-3.8	2.1	-0.9
Jan 27	0.1	-1.4	-0.5	-0.1	-0.5	-0.5	-0.2	0.5	-0.6	-0.6	0.5	1.5	2.9	3.4	4.3	5.1	4.6	3.6	2.9	4.8	5.7	4.7	3.9	2.6	-1.4	5.7	1.9
Jan 28	2.6	2.3	1.9	1.3	1.5	2.1	1.6	1.3	2.2	1.9	2	1.7	1.1	0.7	0.9	0.6	-0.3	-0.3	-0.7	-1	-0.8	-1.4	-1.7	-1.9	-1.9	2.6	0.7
Jan 29	-2.4	-2	-1.4	-1.1	-2.5	-2.9	-3	-3	-2.9	-2.7	-2.2	-1.2	-0.7	-0.6	-0.2	0	-1	-1.3	-2.3	-3.2	-4.7	-6.4	-7.6	-8.3	-8.3	0.0	-2.7
Jan 30	-9.7	-10.9	-12	-12.7	-13.3	-14.2	-15.4	-16.6	-17.4	-17.2	-15.8	-14.9	-14.7	-14.3	-14.1	-14.2	-14.2	-14.5	-14.7	-15.1	-15.6	-16.1	-16.5	-16.9	-17.4	-9.7	-14.6
Jan 31	-17.6	-18	-18.4	-19.5	-20.4	-20.8	-20.9	-21.1	-21.4	-21.7	-21.9	-21.9	-22.7	-22.9	-23.2	-23.5	-23.7	-24.2	-25	-25.4	-25.7	-25.8	-25.8	-25.8	-25.8	-17.6	-22.4
Diurnal Maximum	3.9	3.9	3.5	3.2	3.7	3.7	3.5	3.8	4.7	5.1	5.2	5.5	5.5	5.9	5.9	5.8	5.6	5.3	5.2	5.1	5.7	5.0	4.9	4.4			
Diurnal Average	-8.4	-8.4	-8.5	-8.7	-8.8	-8.9	-9.0	-9.0	-9.1	-9.1	-8.6	-7.7	-7.1	-6.7	-6.4	-6.4	-6.9	-7.4	-7.7	-8.0	-8.2	-8.4	-8.5	-8.6			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

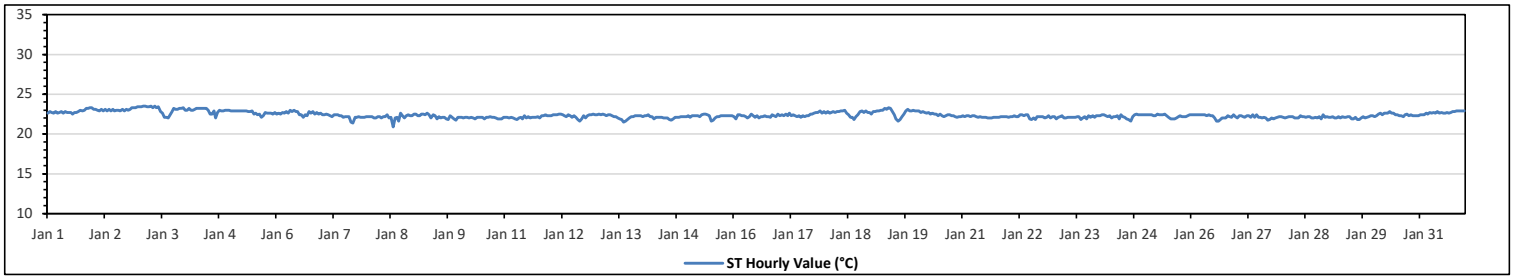
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.5	°C	on Jan 3 at hr 2	Hours in Service:	744	
Maximum Daily Value:	23.1	°C	on Jan 3	Hours of Data:	744	
Minimum Hourly Value:	20.9	°C	on Jan 8 at hr 13	Hours of Missing Data:	0	
Minimum Daily Value:	22.0	°C	on Jan 10	Hours of Calibration:	0	
Monthly Average:	22.4	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	22.6	22.8	22.7	22.6	22.8	22.6	22.7	22.8	22.6	22.8	22.7	22.7	22.7	22.5	22.7	22.7	22.8	23.0	22.9	23.0	23.2	23.2	23.3	23.3	22.5	23.3	22.8
Jan 2	23.1	23.1	23.0	22.9	23.1	22.9	23.1	22.9	23.1	22.9	23.1	22.9	23.0	23.0	22.9	23.1	22.9	23.1	23.0	23.1	23.3	23.3	23.3	23.4	22.9	23.4	**23.1**
Jan 3	23.4	23.4	**23.5**	**23.5**	23.4	23.4	**23.5**	23.3	**23.5**	23.3	23.4	22.8	22.6	22.1	22.1	22.0	22.4	22.8	23.2	23.1	23.1	23.2	23.2	23.3	22.0	**23.5**	**23.1**
Jan 4	23.0	23.0	23.2	23.0	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.0	22.5	22.5	22.9	22.0	22.7	23.0	22.9	22.9	23.0	23.0	23.0	22.0	23.2	23.0
Jan 5	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.8	22.8	22.9	22.5	22.6	22.4	22.5	22.1	22.3	22.7	22.6	22.6	22.6	22.5	22.7	22.1	22.9	22.7
Jan 6	22.5	22.6	22.5	22.7	22.6	22.8	22.6	23.0	22.8	23.0	22.8	22.8	22.4	22.4	22.1	22.4	22.3	22.8	22.6	22.8	22.5	22.7	22.5	22.6	22.1	23.0	22.6
Jan 7	22.4	22.4	22.5	22.4	22.3	22.2	22.4	22.4	22.4	22.3	22.3	22.1	22.2	22.2	22.2	21.5	21.4	22.1	22.1	22.2	22.1	22.1	22.1	22.2	21.4	22.5	22.2
Jan 8	22.2	22.2	22.2	22.0	22.0	22.2	22.2	22.0	22.2	22.2	22.4	22.0	22.1	**20.9**	22.0	22.1	21.6	22.6	22.3	22.0	22.3	22.4	22.3	22.3	**20.9**	22.6	22.1
Jan 9	22.5	22.5	22.3	22.3	22.5	22.5	22.4	22.6	22.4	22.0	22.4	22.3	21.9	22.2	22.0	22.1	22.1	21.9	21.8	22.3	22.1	21.9	21.7	22.1	21.7	22.6	22.2
Jan 10	22.1	22.1	22.0	22.1	22.1	22.0	22.1	22.0	21.9	22.1	22.1	22.1	22.1	21.9	22.1	22.1	22.2	22.1	22.1	22.0	21.9	21.9	21.9	22.1	21.9	22.2	**22.0**
Jan 11	22.1	22.1	22.0	22.1	22.0	21.9	21.8	22.0	22.1	21.9	22.3	22.0	22.2	22.0	22.1	22.1	22.1	22.2	22.0	22.3	22.3	22.4	22.3	22.3	21.8	22.4	22.1
Jan 12	22.3	22.4	22.4	22.4	22.5	22.5	22.4	22.3	22.2	22.4	22.3	22.1	22.3	22.1	21.8	21.6	21.9	22.3	22.0	22.3	22.4	22.4	22.5	22.4	21.6	22.5	22.3
Jan 13	22.4	22.5	22.4	22.5	22.4	22.3	22.4	22.4	22.3	22.2	22.2	22.0	21.9	21.8	21.5	21.6	21.8	22.0	22.2	22.2	22.3	22.3	22.3	22.3	21.5	22.5	22.2
Jan 14	22.2	22.3	22.3	22.4	22.2	22.2	21.9	22.1	22.1	22.1	22.1	22.0	22.0	22.0	21.8	21.7	21.9	22.1	22.1	22.1	22.2	22.2	22.2	22.2	21.7	22.4	22.1
Jan 15	22.3	22.1	22.3	22.3	22.3	22.3	22.2	22.4	22.5	22.5	22.4	22.3	21.6	21.7	22.0	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	21.6	22.5	22.2
Jan 16	22.2	21.9	22.4	22.4	22.3	22.3	22.2	22.0	22.2	22.5	22.3	22.1	22.3	22.0	22.2	22.2	22.3	22.2	22.2	22.1	22.4	22.3	22.2	22.5	21.9	22.5	22.2
Jan 17	22.3	22.4	22.3	22.5	22.3	22.6	22.3	22.4	22.3	22.2	22.3	22.1	22.3	22.2	22.3	22.3	22.5	22.5	22.6	22.7	22.7	22.9	22.6	22.8	22.1	22.9	22.4
Jan 18	22.6	22.8	22.6	22.7	22.8	22.7	22.8	22.8	22.9	22.9	23.0	22.6	22.4	22.1	22.1	21.8	22.2	22.4	22.8	22.9	22.7	22.9	22.7	22.7	21.8	23.0	22.6
Jan 19	22.5	22.8	22.8	22.9	22.9	23.0	23.0	23.2	23.1	23.3	23.2	22.8	22.4	21.9	21.6	21.8	22.2	22.5	22.9	23.1	22.9	22.9	23.0	22.9	21.6	23.3	22.7
Jan 20	22.9	22.9	22.7	22.8	22.7	22.6	22.7	22.5	22.6	22.5	22.5	22.3	22.5	22.3	22.2	22.3	22.4	22.4	22.3	22.3	22.2	22.1	22.2	22.2	22.1	22.9	22.5
Jan 21	22.3	22.2	22.3	22.3	22.2	22.3	22.3	22.2	22.1	22.2	22.1	22.1	22.1	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.2	22.2	22.2	22.2	22.0	22.3	22.2
Jan 22	22.1	22.2	22.2	22.3	22.2	22.2	22.4	22.4	22.3	22.4	22.4	21.9	21.8	22.0	21.8	22.2	22.2	22.2	22.2	22.0	22.1	22.3	22.0	22.2	21.8	22.4	22.2
Jan 23	22.2	21.9	22.1	22.2	22.3	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.2	22.2	21.8	22.0	22.2	21.9	22.3	22.1	22.3	22.1	22.3	22.3	21.8	22.3	22.1
Jan 24	22.3	22.4	22.4	22.3	22.2	22.3	22.0	22.2	22.2	22.3	21.9	22.4	22.2	22.1	21.9	21.8	21.6	22.2	22.4	22.5	22.4	22.4	22.4	22.4	21.6	22.5	22.2
Jan 25	22.4	22.4	22.4	22.4	22.3	22.3	22.5	22.4	22.4	22.4	22.5	22.3	22.1	21.9	21.9	21.9	22.0	22.2	22.3	22.2	22.2	22.2	22.3	22.4	21.9	22.5	22.3
Jan 26	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.3	22.4	22.3	22.3	22.0	21.6	21.6	21.8	22.0	22.0	22.0	22.3	22.2	22.1	22.4	22.2	21.6	22.4	22.2
Jan 27	22.0	22.3	22.3	22.2	22.1	22.3	22.3	22.1	22.4	22.1	22.4	22.1	22.1	22.0	22.1	22.0	21.7	21.8	22.0	21.9	22.0	22.1	22.2	22.2	21.7	22.4	22.1
Jan 28	22.1	22.0	22.1	22.2	22.2	22.2	22.0	22.0	22.0	22.3	22.2	22.2	22.1	22.2	22.2	22.0	22.0	22.1	22.0	22.2	21.9	22.4	22.1	22.2	21.9	22.4	22.1
Jan 29	22.1	22.1	22.2	22.0	22.0	22.2	22.0	22.2	22.1	22.1	22.2	22.2	21.9	21.9	22.1	21.8	21.8	22.0	22.2	22.0	22.1	22.2	22.3	22.3	21.8	22.3	22.1
Jan 30	22.2	22.3	22.5	22.6	22.4	22.6	22.6	22.6	22.8	22.6	22.6	22.4	22.4	22.3	22.3	22.2	22.4	22.5	22.3	22.4	22.3	22.3	22.3	22.3	22.2	22.8	22.4
Jan 31	22.4	22.4	22.4	22.6	22.5	22.7	22.6	22.7	22.6	22.8	22.6	22.7	22.6	22.6	22.7	22.6	22.7	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.4	22.9	22.7
Diurnal Maximum	23.4	23.4	23.5	23.5	23.4	23.4	23.5	23.3	23.5	23.3	23.4	23.2	23.0	23.0	22.9	23.1	22.9	23.1	23.2	23.1	23.3	23.3	23.3	23.4			
Diurnal Average	22.4	22.4	22.5	22.5	22.4	22.5	22.4	22.5	22.5	22.5	22.5	22.3	22.3	22.1	22.1	22.1	22.1	22.3	22.4	22.4	22.4	22.5	22.4	22.5			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

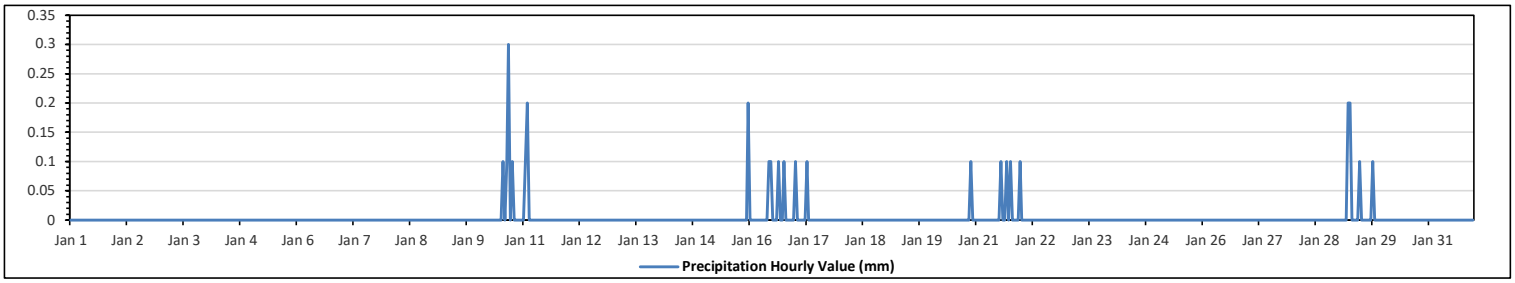
PRECIPITATION in mm

Maximum Hourly Value:	0.3	mm	on Jan 10 at hr 16	Hours in Service:	744	
Maximum Daily Value:	0.6	mm	on Jan 10	Hours of Data:	744	
Minimum Hourly Value:	0.0	mm	on Jan 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	mm	on Jan 1	Hours of Calibration:	0	
Monthly Total:	2.8	mm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1	**0.3**	0	0.1	0	0	0	0	0	0.0	**0.3**	**0.6**
Jan 11	0	0.1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.2	0.3
Jan 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0.2	0.2
Jan 16	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0.0	0.1	0.4
Jan 17	0.1	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.2
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0.0	0.1	0.1
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1	0	0.1	0	0	0	0	0.1	0.0	0.1	0.4
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 29	0	0	0	0	0	0.2	0.2	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1	0	0	0	0	0.0	0.2	**0.6**
Jan 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Diurnal Maximum	0.1	0.1	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.2			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

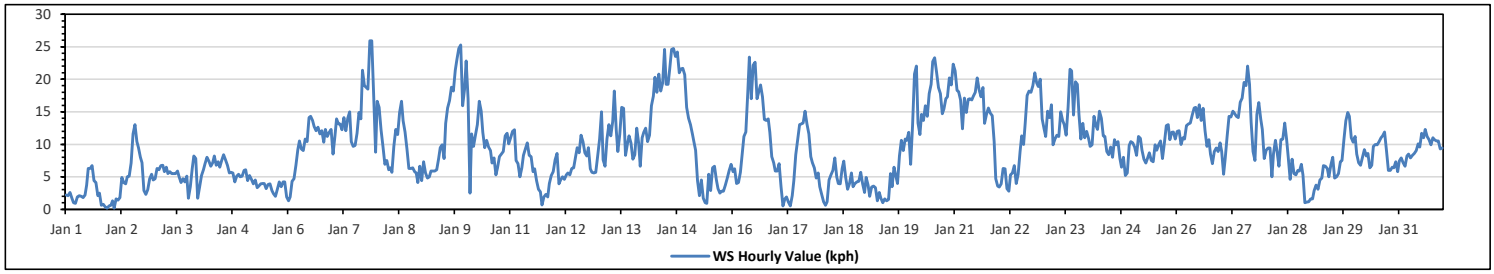
VECTOR WIND SPEED (VWS) in km/hr

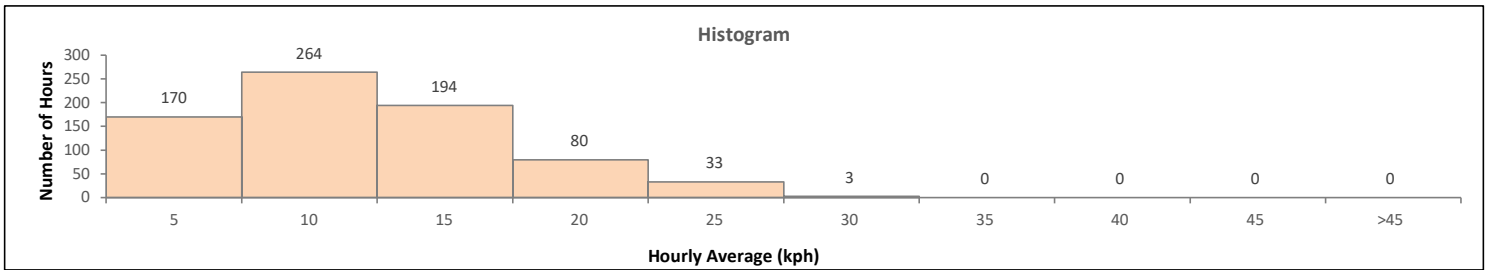
Maximum Hourly Value:	25.9	kph	on Jan 7 at hr 20	Hours in Service:	744	
Maximum Daily Value:	19.1	kph	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	0.2	kph	on Jan 1 at hr 22	Hours of Missing Data:	0	
Minimum Daily Value:	2.5	kph	on Jan 1	Hours of Calibration:	0	
Monthly Average:	4.2	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.2	2.1	2.6	1.7	1.0	0.9	1.9	2.1	2.0	1.8	2.2	3.7	6.3	6.3	6.7	4.4	4.1	2.1	2.5	0.6	0.8	0.4	**0.2**	0.5	**0.2**	6.7	**2.5**
Jan 2	0.6	1.3	**0.2**	1.6	1.4	1.8	4.9	4.1	3.9	5.0	5.1	7.1	11.6	13.0	10.4	9.5	8.0	7.2	2.9	2.3	3.0	4.7	5.4	4.5	**0.2**	13.0	5.0
Jan 3	4.7	6.3	6.1	6.7	6.8	5.8	6.5	5.5	5.8	5.5	5.5	5.5	5.9	5.0	4.1	4.7	4.2	5.1	1.7	3.5	6.3	8.2	7.8	1.7	1.7	8.2	5.4
Jan 4	3.4	5.2	6.1	7.0	8.0	7.4	6.6	7.2	8.2	6.8	7.3	6.5	7.5	8.4	7.6	6.8	5.6	5.7	5.6	4.2	5.1	5.4	5.0	5.1	3.4	8.4	6.3
Jan 5	6.0	6.1	4.4	5.2	4.6	3.9	4.5	3.3	3.6	3.9	4.0	4.0	3.2	3.8	3.9	2.9	2.4	2.0	3.1	4.2	3.5	4.2	4.2	1.9	1.9	6.1	3.9
Jan 6	1.3	1.9	4.3	4.7	6.8	9.2	10.5	9.3	9.0	10.8	10.4	14.1	14.3	13.7	12.7	12.1	12.6	11.6	12.1	10.3	12.3	11.2	11.8	12.3	1.3	14.3	10.0
Jan 7	8.5	11.3	13.9	13.1	13.1	12.2	14.1	12.1	14.0	15.0	10.4	9.7	9.8	11.7	14.9	13.9	21.4	19.0	18.8	18.5	**25.9**	**25.9**	17.5	8.8	8.5	**25.9**	14.7
Jan 8	16.6	15.7	12.2	9.7	6.9	7.5	6.1	6.4	5.7	9.7	12.3	11.5	14.9	16.6	13.6	11.9	9.3	6.3	6.3	6.4	5.8	5.6	4.1	6.6	4.1	16.6	9.5
Jan 9	4.4	7.3	5.6	4.8	5.0	5.9	5.9	5.9	6.1	7.8	9.5	9.9	7.8	13.2	15.6	16.7	18.8	18.2	21.4	23.0	24.7	25.3	15.9	18.5	4.4	25.3	12.4
Jan 10	22.8	17.0	2.5	11.6	9.7	11.4	13.0	16.6	15.1	11.8	9.5	10.6	9.6	9.0	7.1	7.9	5.3	6.4	8.1	8.5	8.9	11.3	11.7	10.1	2.5	22.8	10.6
Jan 11	11.0	12.0	12.2	7.5	7.0	5.0	6.4	8.3	9.3	10.2	8.3	8.1	5.8	6.2	4.4	3.1	2.7	0.7	1.9	2.3	1.9	4.0	5.2	5.8	0.7	12.2	6.2
Jan 12	7.6	8.6	3.9	4.6	5.0	4.6	5.3	5.6	5.3	6.3	6.4	8.1	9.5	8.7	11.4	10.4	8.7	8.2	9.5	6.2	5.7	5.6	5.7	8.2	3.9	11.4	7.0
Jan 13	10.8	15.0	7.6	6.6	10.8	13.0	11.3	13.5	18.2	12.2	8.9	11.5	15.7	15.5	8.3	10.1	11.3	10.2	7.7	8.4	12.5	10.2	6.6	11.0	6.6	18.2	11.1
Jan 14	11.8	12.5	10.4	11.4	15.9	17.4	20.3	18.0	20.8	18.2	19.4	24.6	19.2	19.2	21.5	24.6	24.7	23.5	24.2	21.0	21.6	21.7	20.7	15.7	10.4	24.7	**19.1**
Jan 15	14.0	13.0	11.6	10.3	9.1	4.4	2.1	4.5	1.7	1.0	0.9	5.4	2.9	6.4	6.6	4.5	3.2	2.5	2.8	2.8	3.7	4.8	6.0	6.9	0.9	14.0	5.5
Jan 16	5.8	6.2	4.0	4.1	5.7	8.7	11.2	11.9	17.9	23.4	17.0	22.2	22.6	17.0	18.2	19.1	17.3	13.8	13.7	13.9	11.8	8.1	7.2	5.9	4.0	23.4	12.8
Jan 17	5.9	7.0	3.5	0.5	1.6	1.9	1.1	0.5	2.1	4.4	8.4	10.7	13.0	13.1	13.3	15.1	13.1	11.6	8.1	7.2	6.4	4.8	5.6	3.5	0.5	15.1	6.8
Jan 18	2.3	1.2	0.6	1.2	4.5	5.3	6.0	7.9	5.0	4.0	3.9	6.3	7.4	4.9	3.1	4.0	5.6	3.5	4.0	4.2	4.3	5.7	3.9	2.6	0.6	7.9	4.2
Jan 19	4.9	3.7	2.0	3.4	3.6	3.3	1.3	2.6	1.7	1.0	1.6	1.3	1.5	5.5	3.5	6.5	5.3	4.0	8.2	10.6	9.0	10.8	10.6	11.8	1.0	11.8	4.9
Jan 20	6.9	12.9	20.8	22.0	13.3	11.5	14.6	13.7	15.9	14.3	17.8	19.2	22.7	23.3	21.1	18.7	17.8	14.7	15.4	17.0	17.3	20.2	19.1	22.3	6.9	23.3	17.2
Jan 21	21.3	18.3	18.1	16.8	12.4	17.1	14.9	16.9	17.0	16.8	17.4	18.0	20.2	18.4	17.3	18.7	13.2	14.6	15.6	14.8	14.4	10.4	4.7	3.6	3.6	21.3	15.5
Jan 22	3.4	3.9	6.3	6.2	3.2	2.8	5.3	5.6	6.7	4.0	5.4	8.9	11.3	10.0	13.2	17.5	18.2	18.0	19.0	21.0	19.4	18.9	20.0	13.9	2.8	21.0	10.9
Jan 23	12.4	11.2	15.1	14.1	16.1	9.9	10.8	11.4	11.2	15.0	13.7	13.0	11.4	15.7	21.5	21.3	14.5	19.6	19.2	14.6	10.8	13.2	11.0	12.0	9.9	21.5	14.1
Jan 24	10.9	9.7	9.9	14.3	12.9	12.3	15.1	14.0	11.3	11.2	8.9	8.4	9.6	8.0	10.7	9.9	10.4	7.8	6.5	8.0	5.2	5.6	9.8	10.4	5.2	15.1	10.0
Jan 25	10.2	9.6	8.3	11.2	10.9	9.1	7.7	7.1	7.8	8.7	7.5	7.3	9.9	9.1	9.9	10.5	7.8	10.2	12.9	13.0	10.7	11.8	11.9	10.8	7.1	13.0	9.7
Jan 26	12.0	12.1	10.0	11.0	10.8	12.9	13.1	13.3	14.5	15.6	15.7	14.1	16.1	13.7	15.5	12.1	9.7	10.7	8.5	7.0	8.9	9.4	8.9	10.2	7.0	16.1	11.9
Jan 27	8.9	5.4	7.8	11.2	14.3	14.2	15.1	14.7	14.3	14.1	16.5	17.1	19.5	19.0	22.0	19.2	13.4	8.9	7.5	14.6	16.4	13.9	12.3	7.8	5.4	22.0	13.7
Jan 28	9.1	9.4	9.4	5.0	8.6	10.6	8.9	6.6	10.7	10.8	13.3	10.7	8.0	4.6	7.7	5.5	5.3	6.0	5.9	6.9	5.3	1.0	1.1	1.2	1.0	13.3	7.2
Jan 29	1.6	1.6	2.9	3.7	3.1	4.5	4.8	6.7	6.6	6.3	5.0	6.8	8.0	4.8	5.0	5.5	7.3	7.5	10.7	13.6	14.9	14.3	11.0	10.3	1.6	14.9	6.9
Jan 30	11.2	8.5	7.2	6.8	8.0	9.2	8.2	8.6	6.4	6.8	9.7	10.0	9.9	10.4	11.0	11.3	11.9	9.0	6.0	6.0	6.5	6.4	7.3	5.8	5.8	11.9	8.4
Jan 31	7.4	7.9	7.2	6.6	8.2	8.5	7.9	8.3	8.6	9.0	10.1	9.6	11.7	11.0	12.3	11.2	10.7	9.9	11.0	10.7	10.5	10.5	9.3	9.4	6.6	12.3	9.5
Diurnal Maximum	22.8	18.3	20.8	22.0	16.1	17.4	20.3	18.0	20.8	23.4	19.4	24.6	22.7	23.3	22.0	24.6	24.7	23.5	24.2	23.0	25.9	25.9	20.7	22.3			
Diurnal Average	8.4	8.5	7.6	7.9	8.0	8.1	8.6	8.8	9.2	9.4	9.4	10.4	11.2	11.1	11.4	11.3	10.4	9.6	9.7	9.8	10.1	10.1	9.1	8.4			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



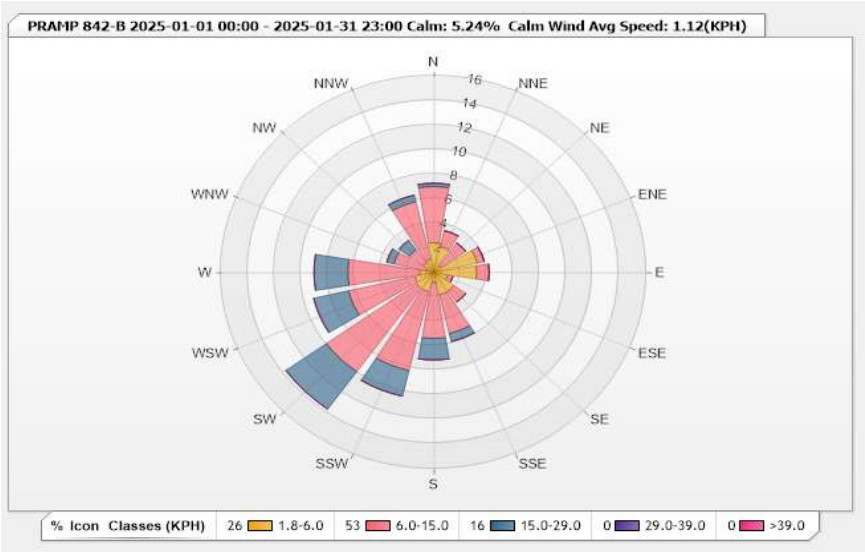


Station: PRAMP 842-B Monitor: WDS [KPH] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 5.24% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	2.42	4.57	0.27	0	0	7.26
NNE	2.15	1.34	0	0	0	3.49
NE	0.67	2.28	0	0	0	2.95
ENE	3.36	0.54	0	0	0	3.9
E	3.23	0.94	0	0	0	4.17
ESE	1.08	0.4	0	0	0	1.48
SE	1.88	1.08	0	0	0	2.96
SSE	1.88	3.23	0.67	0	0	5.78
S	0.81	4.57	1.75	0	0	7.13
SSW	1.61	6.59	2.15	0	0	10.35
SW	1.61	8.33	3.76	0	0	13.7
WSW	1.48	5.11	2.69	0	0	9.28
W	1.08	5.38	2.55	0	0	9.01
WNW	0.54	2.55	0.54	0	0	3.63
NW	0.94	1.34	0.94	0	0	3.22
NNW	1.08	4.84	0.54	0	0	6.46
Summary	25.82	53.09	15.86	0	0	94.77



Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

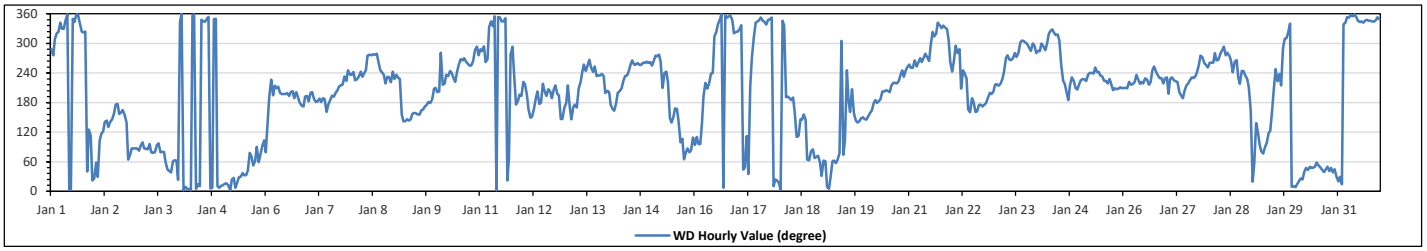
WIND DIRECTION (VWD) in sector

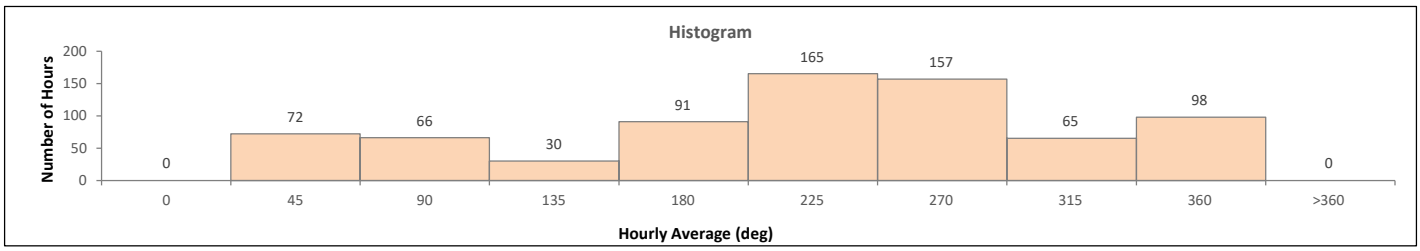
Monthly Average:	237 (SW)	degree	
Hours in Service:	744		
Hours of Data:	744		
Hours of Missing Data:	0		
Hours of Calibration:	0		
Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Jan 1	WNW	W	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	N	N	NNW	NW	NW	NW	NE	SE	ESE	NNE	342	NNW
Jan 2	NNE	ENE	NNE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	S	S	SSE	SSE	SSE	SSE	SE	ENE	ENE	E	E	E	144	SE
Jan 3	E	E	E	E	E	E	E	E	ENE	ENE	E	E	E	ENE	E	E	ENE	NE	NE	NE	ENE	ENE	ENE	NNE	77	ENE
Jan 4	NNW	N	N	N	N	N	N	N	N	N	NNE	N	NNW	NNW	NNW	N	N	N	N	NNW	N	N	N	NNE	360	N
Jan 5	NNE	NNE	NNE	NNE	N	NNE	NNE	N	NNE	NNE	NNE	NE	NNE	NNE	NE	ENE	ENE	NE	ENE	E	ENE	ENE	E	ESE	37	NE
Jan 6	ENE	SE	S	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	SSW	S	S	S	S	S	S	195	SSW
Jan 7	S	SSW	SSW	S	S	S	S	S	S	S	SSE	S	S	SSW	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	SW	203	SSW
Jan 8	SW	WSW	SW	SW	SW	WSW	SW	WSW	WSW	W	W	W	W	W	W	W	WSW	WSW	SW	SW	SW	SW	SW	WSW	251	WSW
Jan 9	SW	SW	SW	SW	SSE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	176	S
Jan 10	SSW	SSW	W	SW	SW	SW	SW	WSW	WSW	SW	SW	WSW	WSW	W	W	W	W	WSW	WSW	WSW	W	WNW	WNW	W	243	WSW
Jan 11	WNW	WNW	WNW	W	W	NNW	NNW	NNW	N	N	N	N	NNW	NNW	N	NNE	ENE	W	WNW	SW	S	S	SSW	S	316	NW
Jan 12	SW	SW	SSW	SSE	SSE	SSE	SSE	S	SSW	S	S	SW	SSW	S	SSW	SSW	S	SSW	SSW	SSW	SSW	SE	SE	SSE	192	S
Jan 13	S	SSW	S	SE	S	S	SSE	SSW	SW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	SW	SW	SW	SW	SW	SSW	SSW	222	SW
Jan 14	SSW	S	SSE	SSE	S	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	W	WSW	W	WSW	W	239	WSW
Jan 15	WSW	W	W	W	W	W	SSW	WSW	WSW	SW	SE	SE	SSE	SSE	SSE	SE	E	ESE	ENE	ENE	E	ENE	E	ESE	220	SW
Jan 16	E	ESE	E	E	SE	S	SW	SSW	SW	SW	WSW	NW	NW	NNW	NNW	N	N	N	N	N	N	NNW	NW	NW	319	NW
Jan 17	NW	NNW	NNW	NE	NE	ESE	NE	SSW	W	NW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	348	NNW
Jan 18	N	NNW	NNW	S	S	S	S	S	SSE	ESE	ESE	SE	SE	SSE	SE	ENE	ENE	E	E	ENE	ENE	ENE	ENE	NNE	122	ESE
Jan 19	ENE	ENE	N	N	NNE	ENE	ENE	ENE	ENE	ENE	WNW	ENE	ESE	WSW	S	SSE	SSW	SSE	SE	SE	SE	SE	SSE	SE	136	SE
Jan 20	SE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW	205	SSW
Jan 21	WSW	WSW	WSW	W	WSW	W	W	W	W	W	W	W	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	W	289	WNW
Jan 22	WSW	W	WNW	W	WNW	SSW	WSW	WSW	SW	SSE	SSE	S	S	SSE	SSE	S	S	S	S	S	S	SSW	SSW	SSW	191	S
Jan 23	SW	SW	SSW	SW	SW	WSW	W	W	W	W	W	W	W	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	274	W
Jan 24	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NW	NW	NW	NW	WSW	SW	SW	SSW	S	SSW	SW	SW	SSW	SSW	SW	275	W
Jan 25	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	224	SW
Jan 26	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	224	SW
Jan 27	SW	SSW	SW	SW	SW	SW	SW	SSW	SSW	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	W	W	WSW	WSW	WSW	229	SW
Jan 28	W	W	W	W	W	W	W	WNW	WNW	W	W	W	W	WSW	W	W	SW	SW	WSW	WSW	SW	SW	SSW	SSE	264	W
Jan 29	NNE	NE	SE	ESE	E	E	ENE	E	E	ESE	ESE	SSE	SSW	WSW	SW	SW	SSW	WNW	NW	NW	NW	NNW	N	N	338	NNW
Jan 30	N	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	40	NE
Jan 31	NNE	NNE	NNE	NNW	NNW	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	351	N

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

842-B Station - January 2025

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	25.9	kph	on Jan 7 at hr 20	Hours in Service:	744
Maximum Daily Value:	19.1	kph	on Jan 14	Hours of Data:	744
Minimum Hourly Value:	0.2	kph	on Jan 1 at hr 22	Hours of Missing Data:	0
Minimum Daily Value:	2.5	kph	on Jan 1	Hours of Calibration:	0
Monthly Average:	4.2	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 237 degree (SW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.2	2.1	2.6	1.7	1.0	0.9	1.9	2.1	2.0	1.8	2.2	3.7	6.3	6.3	6.7	4.4	4.1	2.1	2.5	0.6	0.8	0.4	**0.2**	0.5	**0.2**	6.7	**2.5**
	WNW	W	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	NNW	N	N	NNW	NW	NW	NW	NE	SE	ESE	NNE			342(NNW)
Jan 2	0.6	1.3	**0.2**	1.6	1.4	1.8	4.9	4.1	3.9	5.0	5.1	7.1	11.6	13.0	10.4	9.5	8.0	7.2	2.9	2.3	3.0	4.7	5.4	4.5	**0.2**	13.0	5.0
	NNE	ENE	NNE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SSE	S	S	SSE	SSE	SSE	SSE	SE	ENE	ENE	E	E	E			144(SE)
Jan 3	4.7	6.3	6.1	6.7	6.8	5.8	6.5	5.5	5.8	5.5	5.5	5.5	5.9	5.0	4.1	4.7	4.2	5.1	1.7	3.5	6.3	8.2	7.8	1.7	1.7	8.2	5.4
	E	E	E	E	E	E	E	E	ENE	ENE	E	E	E	ENE	E	E	ENE	NE	NE	NE	ENE	ENE	ENE	NNE				77(ENE)
Jan 4	3.4	5.2	6.1	7.0	8.0	7.4	6.6	7.2	8.2	6.8	7.3	6.5	7.5	8.4	7.6	6.8	5.6	5.7	5.6	4.2	5.1	5.4	5.0	5.1	3.4	8.4	6.3
	NNW	N	N	N	N	N	N	N	N	N	NNE	N	NNW	NNW	NNW	N	N	N	N	NNW	N	N	N	NNE			360(N)
Jan 5	6.0	6.1	4.4	5.2	4.6	3.9	4.5	3.3	3.6	3.9	4.0	4.0	3.2	3.8	3.9	2.9	2.4	2.0	3.1	4.2	3.5	4.2	4.2	1.9	1.9	6.1	3.9
	NNE	NNE	NNE	NNE	N	NNE	NNE	N	NNE	NNE	NNE	NE	NNE	NNE	NE	ENE	ENE	NE	ENE	E	ENE	ENE	E	ESE				37(NE)
Jan 6	1.3	1.9	4.3	4.7	6.8	9.2	10.5	9.3	9.0	10.8	10.4	14.1	14.3	13.7	12.7	12.1	12.6	11.6	12.1	10.3	12.3	11.2	11.8	12.3	1.3	14.3	10.0
	ENE	SE	S	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	SSW	S	S	S	S	S	S				195(SSW)
Jan 7	8.5	11.3	13.9	13.1	13.1	12.2	14.1	12.1	14.0	15.0	10.4	9.7	9.8	11.7	14.9	13.9	21.4	19.0	18.8	18.5	**25.9**	**25.9**	17.5	8.8	8.5	**25.9**	14.7
	S	SSW	SSW	S	S	S	S	S	S	S	SSE	S	S	SSW	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	SW			203(SSW)
Jan 8	16.6	15.7	12.2	9.7	6.9	7.5	6.1	6.4	5.7	9.7	12.3	11.5	14.9	16.6	13.6	11.9	9.3	6.3	6.3	6.4	5.8	5.6	4.1	6.6	4.1	16.6	9.5
	SW	WSW	SW	SW	SW	WSW	SW	WSW	WSW	W	W	W	W	W	W	W	WSW	WSW	SW	SW	SW	SW	SW	WSW			251(WSW)
Jan 9	4.4	7.3	5.6	4.8	5.0	5.9	5.9	5.9	6.1	7.8	9.5	9.9	7.8	13.2	15.6	16.7	18.8	18.2	21.4	23.0	24.7	25.3	15.9	18.5	4.4	25.3	12.4
	SW	SW	SW	SW	SSE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW			176(S)
Jan 10	22.8	17.0	2.5	11.6	9.7	11.4	13.0	16.6	15.1	11.8	9.5	10.6	9.6	9.0	7.1	7.9	5.3	6.4	8.1	8.5	8.9	11.3	11.7	10.1	2.5	22.8	10.6
	SSW	SSW	W	SW	SW	SW	SW	WSW	WSW	SW	SW	WSW	WSW	W	W	W	W	WSW	WSW	WSW	W	WNW	WNW	W			243(WSW)
Jan 11	11.0	12.0	12.2	7.5	7.0	5.0	6.4	8.3	9.3	10.2	8.3	8.1	5.8	6.2	4.4	3.1	2.7	0.7	1.9	2.3	1.9	4.0	5.2	5.8	0.7	12.2	6.2
	WNW	WNW	WNW	W	W	NNW	NNW	NNW	N	N	N	N	NNW	NNW	N	NNE	ENE	W	WNW	SW	S	S	SSW	S			316(NW)
Jan 12	7.6	8.6	3.9	4.6	5.0	4.6	5.3	5.6	5.3	6.3	6.4	8.1	9.5	8.7	11.4	10.4	8.7	8.2	9.5	6.2	5.7	5.6	5.7	8.2	3.9	11.4	7.0
	SW	SW	SSW	SSE	SSE	SSE	SSE	S	SSW	S	S	SW	SSW	S	SSW	SSW	S	SSW	SSW	SSW	SSW	SE	SE	SSE				192(S)
Jan 13	10.8	15.0	7.6	6.6	10.8	13.0	11.3	13.5	18.2	12.2	8.9	11.5	15.7	15.5	8.3	10.1	11.3	10.2	7.7	8.4	12.5	10.2	6.6	11.0	6.6	18.2	11.1
	S	SSW	S	SE	S	S	SSE	SSW	SW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	SW	SW	SW	SW	SW	SSW	SSW				222(SW)
Jan 14	11.8	12.5	10.4	11.4	15.9	17.4	20.3	18.0	20.8	18.2	19.4	24.6	19.2	19.2	21.5	24.6	24.7	23.5	24.2	21.0	21.6	21.7	20.7	15.7	10.4	24.7	**19.1**
	SSW	S	SSE	SSE	S	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	W	WSW	W	WSW	W			239(WSW)
Jan 15	14.0	13.0	11.6	10.3	9.1	4.4	2.1	4.5	1.7	1.0	0.9	5.4	2.9	6.4	6.6	4.5	3.2	2.5	2.8	2.8	3.7	4.8	6.0	6.9	0.9	14.0	5.5
	WSW	W	W	W	W	W	SSW	WSW	WSW	SW	SE	SE	SSE	SSE	SSE	SE	E	ESE	ENE	ENE	E	ENE	E	ESE			220(SW)
Jan 16	5.8	6.2	4.0	4.1	5.7	8.7	11.2	11.9	17.9	23.4	17.0	22.2	22.6	17.0	18.2	19.1	17.3	13.8	13.7	13.9	11.8	8.1	7.2	5.9	4.0	23.4	12.8
	E	ESE	E	E	SE	S	SW	SSW	SW	SW	WSW	NW	NW	NNW	NNW	N	N	N	N	N	N	NNW	NW	NW			319(NW)
Jan 17	5.9	7.0	3.5	0.5	1.6	1.9	1.1	0.5	2.1	4.4	8.4	10.7	13.0	13.1	13.3	15.1	13.1	11.6	8.1	7.2	6.4	4.8	5.6	3.5	0.5	15.1	6.8
	NW	NNW	NNW	NE	NE	ESE	NE	SSW	W	NW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE			348(NNW)
Jan 18	2.3	1.2	0.6	1.2	4.5	5.3	6.0	7.9	5.0	4.0	3.9	6.3	7.4	4.9	3.1	4.0	5.6	3.5	4.0	4.2	4.3	5.7	3.9	2.6	0.6	7.9	4.2
	N	NNW	NNW	S	S	S	S	S	SSE	ESE	ESE	SE	SE	SSE	SE	ENE	ENE	E	E	ENE	ENE	ENE	ENE	NNE			122(ESE)
Jan 19	4.9	3.7	2.0	3.4	3.6	3.3	1.3	2.6	1.7	1.0	1.6	1.3	1.5	5.5	3.5	6.5	5.3	4.0	8.2	10.6	9.0	10.8	10.6	11.8	1.0	11.8	4.9
	ENE	ENE	N	N	NNE	ENE	ENE	ENE	ENE	ENE	WNW	ENE	ESE	WSW	S	SSE	SSW	SSE	SE	SE	SE	SE	SSE	SE				136(SE)
Jan 20	6.9	12.9	20.8	22.0	13.3	11.5	14.6	13.7	15.9	14.3	17.8	19.2	22.7	23.3	21.1	18.7	17.8	14.7	15.4	17.0	17.3	20.2	19.1	22.3	6.9	23.3	17.2
	SE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	SW	WSW	WSW				205(SSW)
Jan 21	21.3	18.3	18.1	16.8	12.4	17.1	14.9	16.9	17.0	16.8	17.4	18.0	20.2	18.4	17.3	18.7	13.2	14.6	15.6	14.8	14.4	10.4	4.7	3.6	3.6	21.3	15.5
	WSW	WSW	WSW	W	WSW	W	W	W	W	W	W	W	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	W			289(WNW)
Jan 22	3.4	3.9	6.3	6.2	3.2	2.8	5.3	5.6	6.7	4.0	5.4	8.9	11.3	10.0	13.2	17.5	18.2	18.0	19.0	21.0	19.4	18.9	20.0	13.9	2.8	21.0	10.9
	WSW	W	WNW	W	WNW	SSW	WSW	WSW	SW	SSE	SSE	S	S	SSE	SSE	S	S	S	S	S	S	SSW	SSW	SSW				191(S)
Jan 23	12.4	11.2	15.1	14.1	16.1	9.9	10.8	11.4	11.2	15.0	13.7	13.0	11.4	15.7	21.5	21.3	14.5	19.6	19.2	14.6	10.8	13.2	11.0	12.0	9.9	21.5	14.1
	SW	SW	SSW	SW	SW	WSW	W	W	W	W	W	W	W	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W			274(W)
Jan 24	10.9	9.7	9.9	14.3	12.9	12.3	15.1	14.0	11.3	11.2	8.9	8.4	9.6	8.0	10.7	9.9	10.4	7.8	6.5	8.0	5.2	5.6	9.8	10.4	5.2	15.1	10.0
	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NW	NW	NW	NW	WSW	SW	SW	SSW	S	SSW	SW	SW	SSW	SSW	SW				275(W)
Jan 25	10.2	9.6	8.3	11.2	10.9	9.1	7.7	7.1	7.8	8.7	7.5	7.3	9.9	9.1	9.9	10.5	7.8	10.2	12.9	13.0	10.7	11.8	11.9	10.8	7.1	13.0	9.7
	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW				224(SW)
Jan 26	12.0	12.1	10.0	11.0	10.8	12.9	13.1	13.3	14.5	15.6	15.7	14.1	16.1	13.7	15.5	12.1	9.7	10.7	8.5	7.0	8.9	9.4	8.9	10.2	7.0	16.1	11.9
	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW				224(SW)
Jan 27	8.9	5.4	7.8	11.2	14.3	14.2	15.1	14.7	14.3	14.1	16.5	17.1	19.5	19.0	22.0	19.2	13.4	8.9	7.5	14.6	16.4	13.9	12.3	7.8	5.4	22.0	13.7
	SW	SSW	SW	SW	SW	SW	SW	SSW	SSW	S	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	W	W	WSW	WSW	WSW				229(SW)
Jan 28	9.1	9.4	9.4	5.0	8.6	10.6	8.9	6.6	10.7	10.8	13.3	10.7	8.0	4.6	7.7	5.5	5.3	6.0	5.9	6.9	5.3	1.0	1.1	1.2	1.0	13.3	7.2
	W	W	W	W	W	W	W	WNW	WNW	W	W	W	W	WSW	W	W	SW	SW	WSW	WSW	SW	SW	SSW	SSE				264(W)
Jan 29	1.6	1.6	2.9	3.7	3.1	4.5	4.8	6.7	6.6	6.3	5.0	6.8	8.0	4.8	5.0	5.5	7.3	7.5	10.7	13.6	14.9	14.3	11.0	10.3	1.6	14.9	6.9
	NNE	NE	SE	ESE	E	E	ENE	E	E	ESE	ESE	SSE	SSW	WSW	SW	SW	SSW	WNW	NW	NW	NW	NNW	N	N				338(NNW)
Jan 30	11.2	8.5	7.2	6.8	8.0	9.2	8.2	8.6	6.4	6.8	9.7	10.0	9.9	10.4	11.0	11.3	11.9	9.0	6.0	6.0	6.5	6.4	7.3	5.8	5.8	11.9	8.4
	N	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE				40(NE)
Jan 31	7.4	7.9	7.2	6.6	8.2	8.5	7.9	8.3	8.6	9.0	10.1	9.6	11.7	11.0	12.3	11.2	10.7	9.9	11.0	10.7	10.5	10.5	9.3	9.4	6.6	12.3	9.5
	NNE	NNE	NNE	NNW	NNW	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW				351(N)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

RENO -B STATION

Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

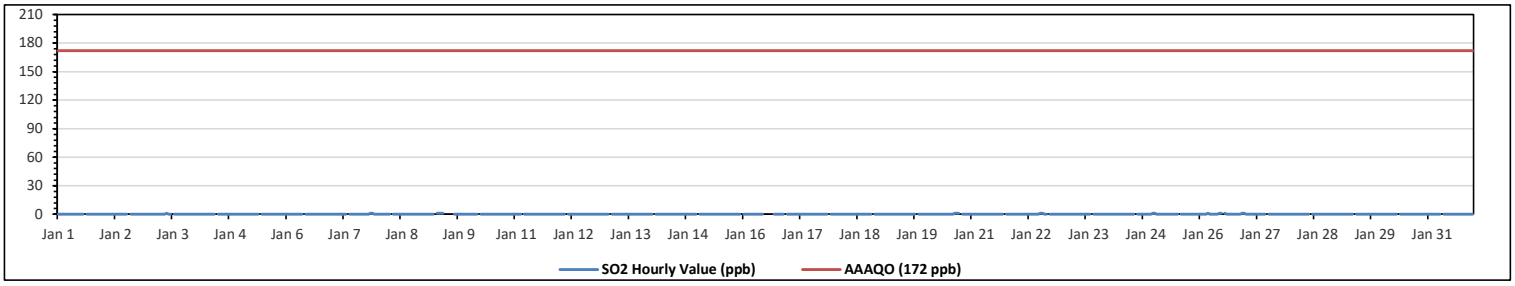
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

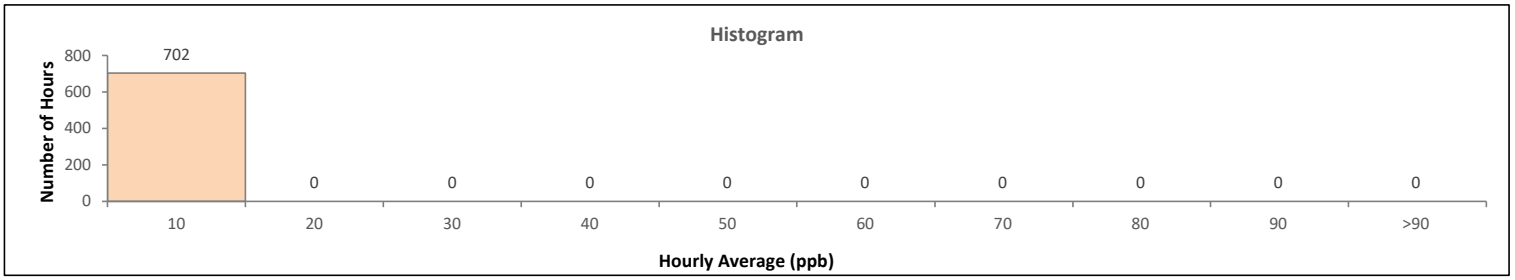
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0	
Maximum Hourly Value:	1	ppb	on Jan 3 at hr 9	Hours in Service:	744	
Maximum Daily Value:	0.3	ppb	on Jan 26	Hours of Data:	702	
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	5	
Minimum Daily Value:	0.0	ppb	on Jan 1	Hours of Calibration:	37	
Monthly Average:	0.0	ppb		Operational Uptime:	99.3	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 7	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0.1
Jan 8	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 9	0	0	0	0	0	0	S	1	1	1	1	C	C	C	C	C	0	0	0	0	0	0	0	0	0	1	0.2
Jan 10	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 13	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 14	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 15	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Jan 16	0	0	0	0	0	0	0	0	0	0	0	P	P	P	P	P	0	0	0	0	0	0	S	0	0	0	0.0
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	S	0	0	0	0	0	0	1	0.1
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	S	0	0	0	0	0	0	0	0	1	0.1
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0	1	0.0
Jan 25	1	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 26	0	0	0	0	1	0	0	0	0	0	1	1	S	1	0	0	0	0	0	0	0	0	1	1	0	1	0.3
Jan 27	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 29	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 30	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 31	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	1	0	0	0	1	0	0	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



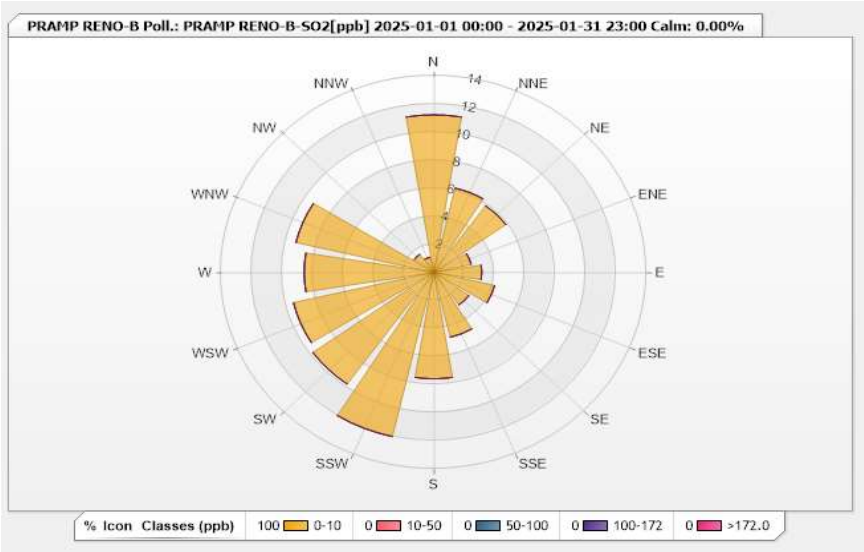


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 0.00% Valid Data: 85.08%

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	11.22	0	0	0	0	11.22
NNE	6.16	0	0	0	0	6.16
NE	5.85	0	0	0	0	5.85
ENE	2.53	0	0	0	0	2.53
E	3.16	0	0	0	0	3.16
ESE	4.11	0	0	0	0	4.11
SE	2.84	0	0	0	0	2.84
SSE	4.74	0	0	0	0	4.74
S	7.58	0	0	0	0	7.58
SSW	12.01	0	0	0	0	12.01
SW	9.79	0	0	0	0	9.79
WSW	9.48	0	0	0	0	9.48
W	8.53	0	0	0	0	8.53
WNW	9.32	0	0	0	0	9.32
NW	1.58	0	0	0	0	1.58
NNW	1.11	0	0	0	0	1.11
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

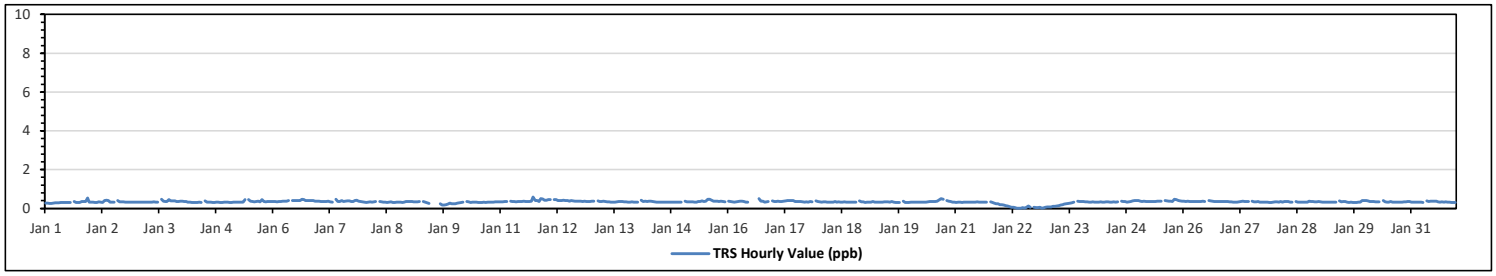
TOTAL REDUCED SULPHUR (TRS) in ppb

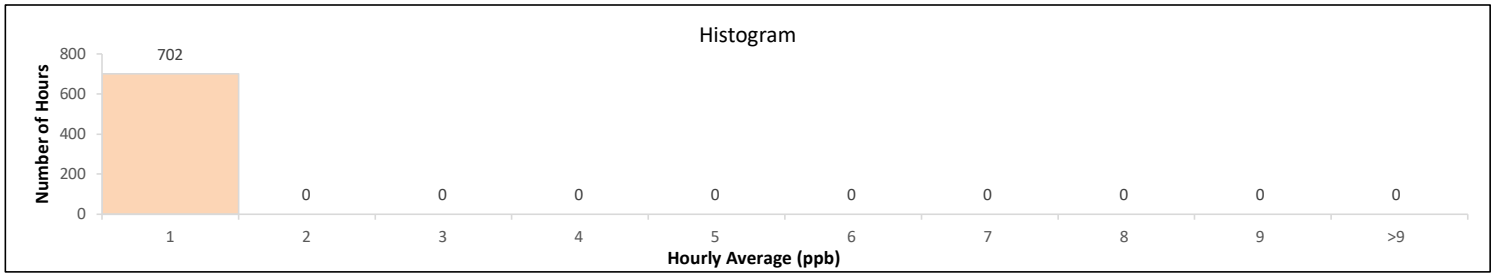
Maximum Hourly Value:	0.58	ppb	on Jan 11 at hr 17	Hours in Service:	744
Maximum Daily Value:	0.40	ppb	on Jan 12	Hours of Data:	702
Minimum Hourly Value:	0.01	ppb	on Jan 22 at hr 9	Hours of Missing Data:	5
Minimum Daily Value:	0.06	ppb	on Jan 22	Hours of Calibration:	37
Monthly Average:	0.33	ppb		Operational Uptime:	99.3

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.28	0.27	0.26	0.26	0.27	0.29	0.29	0.29	0.3	0.3	0.3	0.31	0.3	0.3	S	0.35	0.3	0.3	0.31	0.35	0.35	0.36	0.53	0.32	0.26	0.53	0.31
Jan 2	0.32	0.32	0.31	0.31	0.34	0.33	0.31	0.41	0.43	0.4	0.32	0.32	0.32	S	0.41	0.34	0.34	0.34	0.32	0.33	0.32	0.32	0.33	0.32	0.31	0.43	0.34
Jan 3	0.32	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.32	0.34	0.33	0.33	S	0.47	0.38	0.35	0.35	0.46	0.39	0.39	0.39	0.35	0.36	0.37	0.32	0.47	0.35
Jan 4	0.37	0.36	0.36	0.33	0.32	0.31	0.31	0.3	0.31	0.32	0.31	S	0.39	0.33	0.32	0.32	0.31	0.31	0.32	0.32	0.31	0.3	0.32	0.33	0.30	0.39	0.33
Jan 5	0.32	0.31	0.31	0.32	0.33	0.32	0.32	0.32	0.32	0.45	S	0.45	0.37	0.36	0.34	0.35	0.37	0.34	0.46	0.35	0.34	0.35	0.35	0.35	0.31	0.46	0.35
Jan 6	0.35	0.35	0.34	0.35	0.36	0.37	0.37	0.37	0.42	S	0.4	0.4	0.4	0.42	0.42	0.48	0.46	0.41	0.4	0.41	0.41	0.4	0.38	0.38	0.34	0.48	0.39
Jan 7	0.37	0.35	0.35	0.36	0.36	0.37	0.34	0.32	S	0.47	0.36	0.35	0.4	0.35	0.37	0.39	0.39	0.36	0.36	0.42	0.43	0.38	0.36	0.34	0.32	0.47	0.37
Jan 8	0.33	0.31	0.32	0.34	0.33	0.34	0.35	S	0.36	0.34	0.33	0.32	0.31	0.32	0.34	0.31	0.31	0.32	0.32	0.33	0.31	0.32	0.35	0.35	0.31	0.36	0.33
Jan 9	0.35	0.35	0.34	0.34	0.34	0.35	S	0.36	0.32	0.29	0.26	C	C	C	C	C	0.23	0.17	0.17	0.19	0.22	0.28	0.25	0.23	0.17	0.36	0.28
Jan 10	0.25	0.28	0.29	0.31	0.33	S	0.35	0.34	0.31	0.32	0.32	0.32	0.31	0.31	0.31	0.33	0.31	0.32	0.32	0.32	0.33	0.34	0.34	0.34	0.25	0.35	0.32
Jan 11	0.34	0.34	0.35	0.36	S	0.38	0.36	0.35	0.34	0.36	0.35	0.36	0.37	0.35	0.36	0.36	0.38	**0.58**	0.41	0.41	0.35	0.5	0.49	0.43	0.34	**0.58**	0.39
Jan 12	0.43	0.45	0.45	S	0.46	0.45	0.41	0.42	0.42	0.43	0.41	0.42	0.38	0.4	0.39	0.38	0.38	0.38	0.37	0.35	0.37	0.35	0.35	0.36	0.35	0.46	**0.40**
Jan 13	0.38	0.37	S	0.39	0.36	0.36	0.37	0.36	0.34	0.34	0.33	0.33	0.33	0.34	0.35	0.35	0.35	0.34	0.34	0.33	0.33	0.34	0.32	0.32	0.32	0.39	0.35
Jan 14	0.33	S	0.43	0.36	0.38	0.35	0.37	0.37	0.35	0.34	0.33	0.33	0.33	0.32	0.33	0.32	0.32	0.33	0.32	0.32	0.33	0.32	0.32	0.32	0.32	0.43	0.34
Jan 15	S	0.37	0.34	0.34	0.34	0.34	0.33	0.33	0.35	0.35	0.39	0.35	0.37	0.47	0.47	0.43	0.38	0.37	0.37	0.36	0.37	0.36	0.34	S	0.33	0.47	0.37
Jan 16	0.37	0.36	0.34	0.33	0.34	0.35	0.38	0.37	0.35	0.33	0.33	P	P	P	P	P	0.5	0.38	0.37	0.33	0.34	0.35	S	0.39	0.33	0.50	0.36
Jan 17	0.36	0.36	0.37	0.36	0.36	0.38	0.39	0.4	0.4	0.4	0.4	0.36	0.36	0.35	0.36	0.34	0.33	0.34	0.32	0.35	0.34	S	0.39	0.35	0.32	0.40	0.36
Jan 18	0.34	0.33	0.34	0.34	0.33	0.32	0.33	0.33	0.35	0.33	0.34	0.33	0.33	0.34	0.32	0.32	0.33	0.32	0.33	0.33	S	0.39	0.34	0.34	0.32	0.39	0.33
Jan 19	0.31	0.32	0.32	0.32	0.36	0.33	0.32	0.33	0.32	0.32	0.34	0.34	0.34	0.33	0.36	0.33	0.31	0.31	0.31	S	0.37	0.31	0.3	0.31	0.30	0.37	0.33
Jan 20	0.32	0.33	0.33	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.35	0.36	0.35	0.36	0.38	0.44	0.51	0.48	S	0.41	0.37	0.36	0.33	0.32	0.32	0.51	0.36
Jan 21	0.31	0.32	0.32	0.31	0.32	0.32	0.33	0.33	0.33	0.32	0.33	0.34	0.33	0.33	0.32	0.33	0.33	S	0.34	0.3	0.27	0.25	0.23	0.2	0.20	0.34	0.31
Jan 22	0.18	0.17	0.15	0.12	0.09	0.06	0.05	0.04	0.02	0.01	0.01	0.04	0.01	0.05	0.12	0.05	S	0.06	0.04	0.04	0.05	0.02	0.03	0.05	0.01	0.18	0.06
Jan 23	0.08	0.08	0.08	0.1	0.11	0.13	0.15	0.17	0.19	0.22	0.24	0.26	0.28	0.29	0.32	S	0.37	0.35	0.35	0.36	0.34	0.34	0.33	0.33	0.08	0.37	0.24
Jan 24	0.34	0.33	0.33	0.33	0.34	0.33	0.33	0.34	0.34	0.33	0.33	0.34	0.33	0.34	S	0.37	0.35	0.35	0.33	0.34	0.35	0.39	0.41	0.42	0.33	0.42	0.35
Jan 25	0.41	0.38	0.36	0.37	0.35	0.35	0.35	0.35	0.35	0.36	0.37	0.37	0.38	S	0.42	0.39	0.38	0.37	0.36	0.47	0.46	0.4	0.39	0.37	0.35	0.47	0.38
Jan 26	0.37	0.36	0.37	0.36	0.35	0.36	0.35	0.35	0.35	0.36	0.37	0.36	S	0.41	0.39	0.37	0.36	0.35	0.36	0.36	0.35	0.35	0.35	0.36	0.35	0.41	0.36
Jan 27	0.34	0.34	0.33	0.33	0.33	0.34	0.36	0.38	0.35	0.36	0.35	S	0.37	0.34	0.34	0.35	0.33	0.32	0.32	0.32	0.32	0.31	0.31	0.32	0.31	0.38	0.34
Jan 28	0.34	0.34	0.33	0.35	0.33	0.35	0.36	0.36	0.33	0.32	S	0.35	0.32	0.33	0.33	0.33	0.33	0.33	0.37	0.36	0.35	0.34	0.34	0.35	0.32	0.37	0.34
Jan 29	0.34	0.32	0.33	0.33	0.33	0.33	0.32	0.32	0.32	S	0.39	0.34	0.35	0.36	0.33	0.31	0.32	0.3	0.3	0.31	0.32	0.32	0.41	0.4	0.30	0.41	0.33
Jan 30	0.42	0.39	0.36	0.36	0.36	0.34	0.34	0.34	S	0.41	0.34	0.32	0.33	0.36	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.35	0.35	0.32	0.42	0.35
Jan 31	0.33	0.32	0.33	0.33	0.32	0.32	0.31	S	0.39	0.36	0.37	0.37	0.37	0.37	0.34	0.33	0.34	0.32	0.34	0.33	0.33	0.31	0.3	0.3	0.30	0.39	0.34
Diurnal Maximum	0.43	0.45	0.45	0.39	0.46	0.45	0.41	0.42	0.43	0.47	0.41	0.45	0.40	0.47	0.47	0.48	0.51	0.58	0.46	0.47	0.46	0.50	0.53	0.43			
Diurnal Average	0.33	0.33	0.33	0.32	0.33	0.33	0.33	0.33	0.33	0.34	0.33	0.34	0.33	0.34	0.35	0.34	0.35	0.34	0.33	0.34	0.34	0.34	0.34	0.33			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

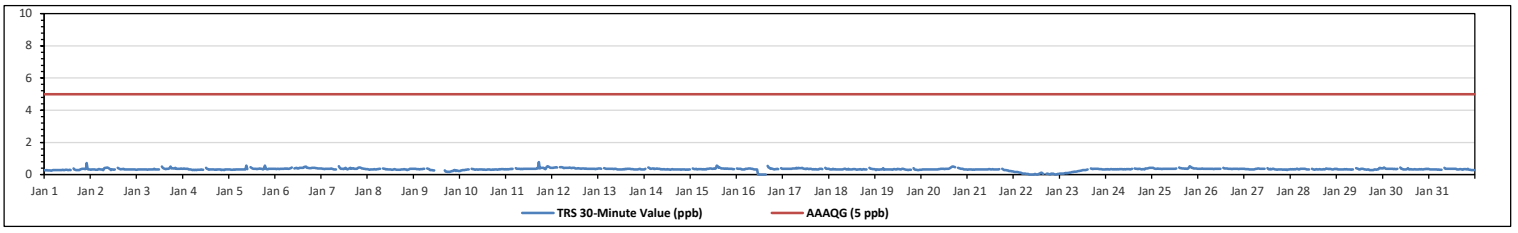
Maximum 30-Minute Value:	0.79 ppb	on Jan 11 at 17:00	# of Instrument in Service	1488	
Maximum Daily Value:	0.40 ppb	on Jan 12	# of Valid Measurements	1404	
Minimum 30-Minute Value:	0.00 ppb	Jan 22 at 12:00	# of Missing Measurements:	10	
Minimum Daily Value:	0.06 ppb	on Jan 22	# of Calibration:	74	
Monthly Average:	0.33 ppb		Operational Uptime:	99.3	

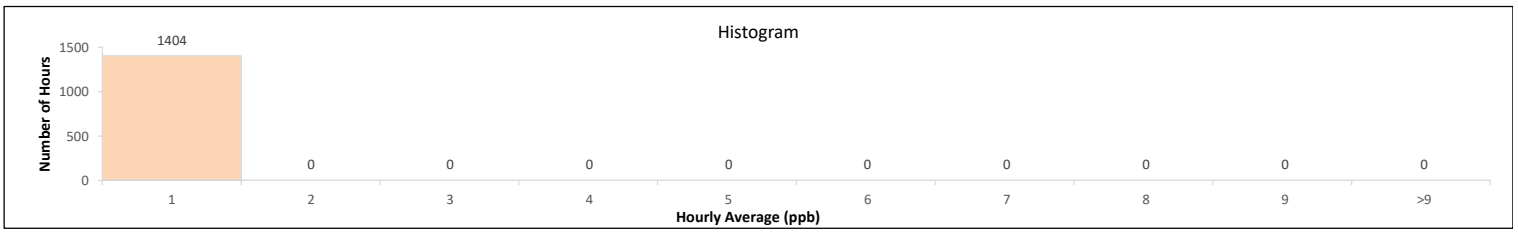
30-Minute Period Starting at (MST)	Jan 1	Jan 2	Jan 3	Jan 4	Jan 5	Jan 6	Jan 7	Jan 8	Jan 9	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Diurnal Maximum	Diurnal Average
00:00	0.29	0.31	0.31	0.37	0.32	0.35	0.38	0.34	0.36	0.24	0.33	0.43	0.38	0.32	S	0.38	0.37	0.35	0.32	0.31	0.31	0.18	0.07	0.34	0.41	0.36	0.35	0.34	0.35	0.39	0.34	0.43	0.33
00:30	0.27	0.32	0.32	0.38	0.32	0.34	0.37	0.33	0.35	0.26	0.34	0.43	0.39	0.35	S	0.35	0.36	0.33	0.3	0.33	0.32	0.17	0.08	0.33	0.41	0.37	0.34	0.33	0.33	0.44	0.32	0.44	0.33
01:00	0.28	0.32	0.32	0.36	0.31	0.35	0.35	0.31	0.36	0.26	0.33	0.45	0.38	S	0.39	0.36	0.36	0.33	0.32	0.32	0.32	0.17	0.08	0.34	0.39	0.35	0.34	0.34	0.33	0.4	0.32	0.45	0.33
01:30	0.27	0.32	0.33	0.36	0.31	0.35	0.34	0.32	0.34	0.29	0.34	0.45	0.36	S	0.36	0.37	0.36	0.33	0.32	0.33	0.32	0.17	0.08	0.33	0.37	0.37	0.34	0.33	0.32	0.37	0.32	0.45	0.33
02:00	0.26	0.32	0.33	0.37	0.31	0.34	0.35	0.32	0.34	0.28	0.34	0.46	S	0.45	0.34	0.35	0.37	0.35	0.31	0.33	0.33	0.16	0.08	0.33	0.36	0.38	0.34	0.34	0.33	0.36	0.33	0.46	0.33
02:30	0.26	0.31	0.33	0.36	0.32	0.35	0.35	0.32	0.34	0.29	0.35	0.44	S	0.42	0.34	0.33	0.36	0.33	0.33	0.33	0.31	0.14	0.09	0.34	0.36	0.36	0.33	0.32	0.33	0.35	0.33	0.44	0.32
03:00	0.27	0.31	0.33	0.33	0.31	0.35	0.35	0.33	0.33	0.31	0.34	S	0.4	0.36	0.35	0.33	0.37	0.34	0.32	0.32	0.32	0.13	0.1	0.34	0.38	0.36	0.32	0.35	0.32	0.36	0.33	0.40	0.32
03:30	0.25	0.31	0.32	0.33	0.32	0.36	0.36	0.34	0.34	0.31	0.37	S	0.38	0.35	0.33	0.33	0.35	0.33	0.33	0.33	0.31	0.12	0.09	0.33	0.36	0.36	0.33	0.35	0.33	0.36	0.33	0.38	0.32
04:00	0.27	0.34	0.32	0.33	0.33	0.35	0.36	0.33	0.34	0.33	S	0.46	0.37	0.38	0.34	0.33	0.36	0.33	0.4	0.32	0.32	0.1	0.11	0.34	0.36	0.35	0.33	0.33	0.34	0.35	0.32	0.46	0.33
04:30	0.28	0.34	0.33	0.31	0.33	0.36	0.37	0.33	0.34	0.33	S	0.46	0.36	0.38	0.34	0.35	0.36	0.33	0.31	0.32	0.32	0.07	0.11	0.33	0.35	0.35	0.32	0.33	0.32	0.37	0.31	0.46	0.32
05:00	0.29	0.33	0.33	0.3	0.32	0.38	0.38	0.34	0.35	S	0.4	0.46	0.36	0.34	0.34	0.36	0.38	0.33	0.33	0.33	0.32	0.06	0.12	0.34	0.34	0.36	0.33	0.35	0.34	0.35	0.32	0.46	0.33
05:30	0.29	0.33	0.31	0.31	0.32	0.37	0.36	0.34	0.35	S	0.37	0.44	0.35	0.36	0.34	0.35	0.38	0.32	0.32	0.32	0.32	0.06	0.13	0.33	0.36	0.36	0.34	0.35	0.33	0.34	0.31	0.44	0.33
06:00	0.29	0.31	0.32	0.3	0.32	0.38	0.34	0.35	S	0.37	0.36	0.4	0.37	0.36	0.33	0.38	0.39	0.33	0.32	0.32	0.32	0.06	0.14	0.34	0.35	0.35	0.35	0.35	0.32	0.35	0.31	0.40	0.33
06:30	0.28	0.3	0.32	0.31	0.33	0.37	0.33	0.35	S	0.34	0.36	0.42	0.37	0.38	0.34	0.39	0.39	0.32	0.32	0.33	0.33	0.04	0.16	0.33	0.35	0.35	0.36	0.37	0.32	0.34	0.31	0.42	0.33
07:00	0.29	0.4	0.32	0.29	0.32	0.36	0.32	S	0.38	0.34	0.35	0.42	0.36	0.37	0.33	0.38	0.41	0.33	0.33	0.32	0.33	0.05	0.16	0.34	0.35	0.35	0.38	0.37	0.32	0.34	S	0.42	0.33
07:30	0.29	0.41	0.32	0.31	0.32	0.38	0.33	S	0.35	0.33	0.34	0.42	0.35	0.37	0.34	0.36	0.38	0.34	0.33	0.33	0.33	0.04	0.18	0.34	0.35	0.36	0.38	0.36	0.31	0.35	S	0.42	0.33
08:00	0.29	0.42	0.32	0.31	0.33	0.4	S	0.38	0.34	0.31	0.35	0.41	0.34	0.37	0.33	0.36	0.41	0.35	0.32	0.33	0.33	0.02	0.18	0.34	0.35	0.34	0.36	0.34	0.32	S	0.42	0.42	0.33
08:30	0.3	0.44	0.32	0.31	0.32	0.44	S	0.35	0.3	0.32	0.34	0.43	0.35	0.33	0.37	0.34	0.4	0.35	0.32	0.33	0.33	0.02	0.19	0.34	0.36	0.35	0.35	0.32	0.33	S	0.36	0.44	0.33
09:00	0.3	0.41	0.35	0.31	0.56	S	0.52	0.35	0.29	0.32	0.36	0.44	0.35	0.34	0.35	0.33	0.4	0.33	0.31	0.34	0.32	0.01	0.21	0.32	0.36	0.36	0.35	0.32	S	0.45	0.36	0.56	0.35
09:30	0.31	0.38	0.33	0.32	0.34	S	0.42	0.33	0.3	0.31	0.36	0.42	0.34	0.33	0.35	0.33	0.4	0.33	0.34	0.34	0.32	0.01	0.22	0.34	0.36	0.37	0.36	0.33	S	0.37	0.37	0.42	0.33
10:00	0.3	0.34	0.32	0.31	S	0.39	0.37	0.34	0.26	0.32	0.35	0.4	0.33	0.34	0.39	0.33	0.41	0.35	0.34	0.35	0.33	0.01	0.22	0.33	0.37	0.37	0.35	S	0.4	0.35	0.37	0.41	0.33
10:30	0.3	0.3	0.33	0.31	S	0.4	0.35	0.33	0.26	0.33	0.35	0.42	0.32	0.33	0.38	0.33	0.39	0.33	0.33	0.36	0.32	0.01	0.25	0.34	0.37	0.36	0.35	S	0.38	0.33	0.37	0.42	0.33
11:00	0.31	0.32	0.33	S	0.47	0.41	0.36	0.33	C	0.32	0.35	0.42	0.32	0.33	0.35	P	0.36	0.33	0.33	0.36	0.34	0.04	0.25	0.34	0.37	0.36	S	0.36	0.35	0.32	0.37	0.47	0.34
11:30	0.31	0.32	0.33	S	0.42	0.39	0.34	0.32	C	0.32	0.36	0.42	0.33	0.33	0.36	P	0.36	0.33	0.35	0.36	0.34	0.03	0.27	0.34	0.37	0.37	S	0.34	0.33	0.33	0.36	0.42	0.33
12:00	0.3	0.31	S	0.42	0.38	0.38	0.38	0.32	C	0.31	0.36	0.39	0.33	0.34	0.38	P	0.34	0.33	0.34	0.34	0.33	0	0.28	0.34	0.37	S	0.4	0.32	0.33	0.32	0.37	0.42	0.33
12:30	0.3	0.32	S	0.35	0.36	0.42	0.42	0.31	C	0.32	0.37	0.38	0.32	0.33	0.36	P	0.38	0.34	0.34	0.35	0.32	0.02	0.28	0.33	0.38	S	0.34	0.31	0.36	0.34	0.36	0.42	0.33
13:00	0.31	S	0.51	0.34	0.37	0.41	0.36	0.31	C	0.31	0.36	0.39	0.34	0.33	0.39	P	0.35	0.34	0.33	0.35	0.34	0.04	0.29	0.34	S	0.42	0.33	0.32	0.35	0.4	0.37	0.51	0.34
13:30	0.29	S	0.43	0.31	0.35	0.42	0.33	0.32	C	0.31	0.35	0.4	0.33	0.31	0.56	P	0.34	0.34	0.33	0.37	0.32	0.06	0.29	0.35	S	0.39	0.36	0.34	0.37	0.32	0.36	0.56	0.34
14:00	S	0.43	0.38	0.32	0.35	0.41	0.35	0.34	C	0.31	0.36	0.39	0.35	0.32	0.52	P	0.37	0.33	0.36	0.37	0.32	0.11	0.31	S	0.45	0.39	0.33	0.33	0.34	0.32	0.35	0.52	0.35
14:30	S	0.38	0.37	0.32	0.34	0.43	0.38	0.33	C	0.32	0.36	0.38	0.34	0.34	0.43	P	0.35	0.31	0.36	0.39	0.33	0.12	0.33	S	0.4	0.39	0.36	0.33	0.33	0.34	0.33	0.43	0.35
15:00	0.38	0.35	0.34	0.32	0.35	0.48	0.41	0.31	C	0.33	0.36	0.37	0.35	0.32	0.44	P	0.34	0.32	0.34	0.41	0.33	0.07	S	0.39	0.4	0.38	0.35	0.34	0.32	0.33	0.33	0.48	0.35
15:30	0.33	0.33	0.36	0.32	0.35	0.48	0.36	0.31	C	0.32	0.36	0.38	0.36	0.33	0.43	P	0.33	0.33	0.32	0.47	0.33	0.04	S	0.36	0.39	0.36	0.34	0.32	0.31	0.32	0.33	0.48	0.34
16:00	0.31	0.34	0.36	0.32	0.38	0.5	0.39	0.31	0.26	0.31	0.39	0.38	0.36	0.32	0.38	0.55	0.34	0.34	0.31	0.51	0.33	S	0.38	0.36	0.39	0.35	0.33	0.32	0.32	0.33	0.34	0.55	0.36
16:30	0.3	0.34	0.35	0.31	0.37	0.42	0.4	0.31	0.19	0.31	0.38	0.39	0.35	0.32	0.38	0.45	0.33	0.32	0.31	0.5	0.34	S	0.36	0.34	0.38	0.36	0.32	0.33	0.32	0.34	0.34	0.50	0.35
17:00	0.3	0.36	0.4	0.32	0.35	0.41	0.37	0.31	0.18	0.32	0.79	0.37	0.34	0.33	0.38	0.41	0.34	0.31	0.3	0.49	S	0.05	0.34	0.35	0.37	0.36	0.31	0.34	0.3	0.32	0.33	0.79	0.35
17:30	0.3	0.33	0.51	0.31	0.33	0.4	0.35	0.33	0.16	0.31	0.38	0.38	0.34	0.32	0.36	0.36	0.33	0.33	0.31	0.47	S	0.07	0.36	0.35	0.38	0.34	0.33	0.33	0.3	0.33	0.31	0.51	0.33
18:00	0.3	0.33	0.38	0.32	0.35	0.4	0.35	0.32	0.18	0.32	0.41	0.37	0.34	0.33	0.38	0.39	0.33	0.34	0.31	S	0.36	0.05	0.36	0.34	0.37	0.35	0.33	0.34	0.29	0.32	0.34	0.41	0.33
18:30	0.33	0.32	0.4	0.32	0.57	0.4	0.36	0.32	0.17	0.32	0.41	0.36	0.33	0.32	0.37	0.35	0.32	0.32	0.31	S	0.32	0.03	0.35	0.33	0.36	0.37	0.32	0.39	0.3	0.33	0.34	0.57	0.33
19:00	0.34	0.33	0.39	0.32	0.36	0.41	0.41	0.34	0.18	0.32	0.41	0.35	0.33	0.31	0.38	0.34	0.35	0.32	S	0.42	0.3	0	0.35	0.34	0.41	0.35	0.32	0.37	0.3	0.34	0.34	0.42	0.33
19:30	0.35	0.33	0.39	0.32	0.34	0.41	0.44	0.32	0.2	0.31	0.41	0.36	0.33	0.33	0.35	0.33	0.36	0.33	S	0.4	0.29	0.07	0.36	0.34	0.53	0.36	0.32	0.35	0.32	0.33	0.33	0.53	0.34
20:00	0.36	0.32	0.42	0.3	0.33	0.41	0.44	0.32	0.22	0.32	0.36	0.37	0.33	0.33	0.37	0.34	0.35	S	0.4	0.38	0.28	0.04	0.35	0.33	0.48	0.36	0.31	0.34	0.32	0.34	0.35	0.48	0.34
20:30	0.35	0.32	0.35	0.31	0.36	0.41	0.42	0.3	0.22	0.34	0.34	0.36	0.33	0.33	0.37	0.34	0.34	S	0.33	0.37	0.27	0.06	0.34	0.38	0.43	0.35	0.32	0.36	0.31	0.33	0.32	0.43	0.33
21:00	0.34	0.33	0.35	0.31	0.35	0.4	0.39	0.31	0.28	0.33	0.47	0.35	0.34	0.32	0.35	0.35	S	0.42	0.31	0.36	0.26	0.03	0.34	0.38	0.41	0.34	0.31	0.34	0.32	0.33	0.31	0.47	0.33
21:30	0.37	0.32	0.35	0.3	0.35	0.4	0.38	0.32	0.28	0.34	0.52	0.36	0.35	0.31	0.36	0.34	S	0.36	0.31	0.35	0.24	0.01	0.34	0.39	0.39	0.35	0.32	0.33	0.33	0.34	0.31	0.52	0.33
22:00	0.72	0.33	0.36	0.32	0.35	0.38	0.37	0.35	0.24	0.34	0.5	0.36	0.33	0.33	0.34	S	0.42	0.35	0.3	0.33	0.23	0.02	0.33	0.4	0.39	0.35	0.3	0.33	0.4	0.34	0.3	0.72	0.35
22:30	0.34	0.32	0.36	0.33	0.35	0.38	0.36	0.36	0.27	0.34	0.47	0.34	0.32	0.31	0.34	S	0.37	0.34	0.3	0.32	0.22	0.03	0.33	0.41	0.39	0.36	0.31	0.34	0.43	0.35	0.3	0.47	0.33
23:00	0.32	0.32	0.38	0.33	0.35	0.38	0.34	0.35	0.24	0.33	0.43	0.35	0.32	0.32	S	0.4	0.35	0.34	0.31	0.32	0.21	0.05	0.33	0.42	0.38	0.36	0.32	0.37	0.39	0.34	0.3	0.43	0.33
23:30	0.32	0.31	0.37	0.32	0.35	0.39	0.34	0.36	0.23	0.34	0.43	0.37	0.33	0.32	S	0.37	0.35	0.34	0.31	0.32	0.2	0.05	0.33	0.43	0.36	0.35	0.33	0.34	0.4	0.36	0.29	0.43	0.33
Minimum	0.25	0.3	0.31	0.29	0.31	0.34	0.32	0.3	0.16	0.24	0.33	0.34	0.32	0.31	0.33	0.33	0.32	0.31	0.3	0.31	0.2	0	0.07	0.32	0.34	0.34	0.3	0.31	0.29	0.32	0.29		
Maximum	0.72	0.44	0.51	0.42	0.57	0.5	0.52	0.38	0.38	0.37	0.79	0.46	0.4	0.45	0.56	0.55	0.42	0.42	0.4	0.51	0.36	0.18	0.38	0.43	0.53	0.42	0.4	0.39	0.43	0.45	0.42		
Average	0.31	0.34	0.35	0.33	0.35	0.39	0.37	0.33	0.28	0.32	0.39	0.4	0.35	0.34	0.37	0.36	0.36	0.34	0.33	0.36	0.31	0.06	0.24	0.35	0.38	0.36	0.34	0.34	0.34	0.35	0.34		

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	P	Power Failure	X	InValid Data (Equipment Malfunction /Recovery)
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)		

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



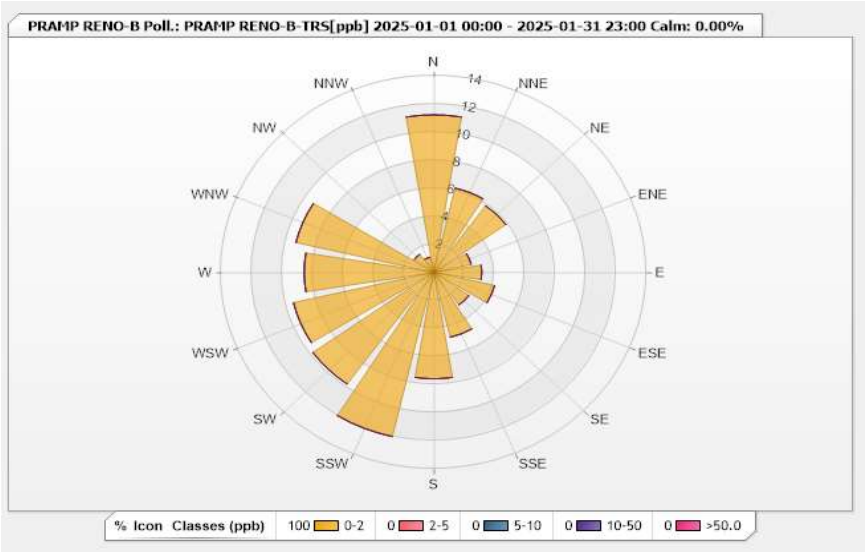


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 0.00% Valid Data: 85.08%

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	11.22	0	0	0	0	11.22
NNE	6.16	0	0	0	0	6.16
NE	5.85	0	0	0	0	5.85
ENE	2.53	0	0	0	0	2.53
E	3.16	0	0	0	0	3.16
ESE	4.11	0	0	0	0	4.11
SE	2.84	0	0	0	0	2.84
SSE	4.74	0	0	0	0	4.74
S	7.58	0	0	0	0	7.58
SSW	12.01	0	0	0	0	12.01
SW	9.79	0	0	0	0	9.79
WSW	9.48	0	0	0	0	9.48
W	8.53	0	0	0	0	8.53
WNW	9.32	0	0	0	0	9.32
NW	1.58	0	0	0	0	1.58
NNW	1.11	0	0	0	0	1.11
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

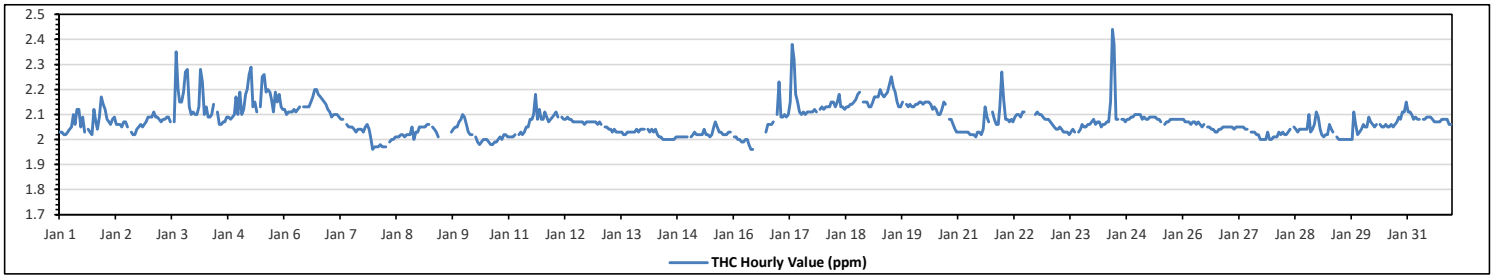
TOTAL HYDROCARBONS (THC) in ppm

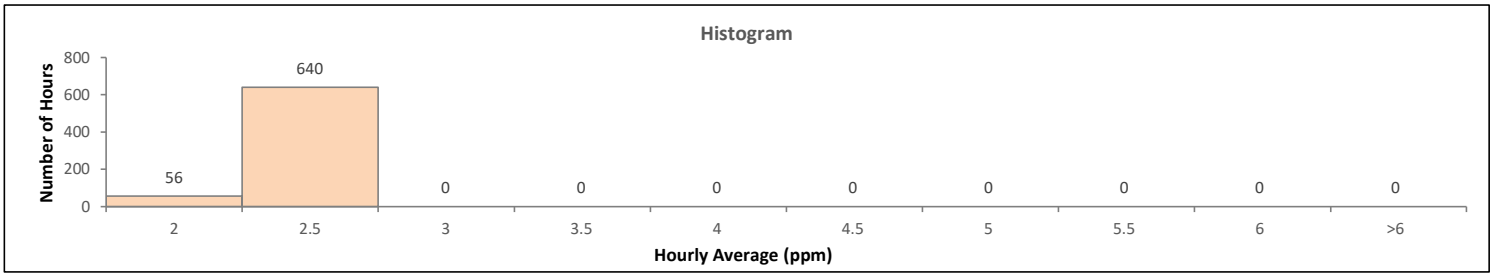
Maximum Hourly Value:	2.44	ppm	on Jan 24 at hr 10	Hours in Service:	744
Maximum Daily Value:	2.17	ppm	on Jan 5	Hours of Data:	696
Minimum Hourly Value:	1.96	ppm	on Jan 7 at hr 23	Hours of Missing Data:	10
Minimum Daily Value:	2.00	ppm	on Jan 8	Hours of Calibration:	38
Monthly Average:	2.07	ppm		Operational Uptime:	98.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.03	2.03	2.02	2.02	2.03	2.04	2.05	2.10	2.06	2.12	2.12	2.05	2.09	2.03	S	2.04	2.03	2.02	2.12	2.07	2.04	2.09	2.17	2.14	2.02	2.17	2.07
Jan 2	2.12	2.08	2.07	2.06	2.08	2.09	2.06	2.06	2.06	2.05	2.07	2.07	2.05	S	2.03	2.02	2.02	2.04	2.05	2.06	2.05	2.06	2.07	2.09	2.02	2.12	2.06
Jan 3	2.09	2.09	2.11	2.09	2.09	2.08	2.07	2.08	2.08	2.09	2.09	2.07	S	2.07	2.35	2.20	2.15	2.15	2.19	2.27	2.28	2.13	2.10	2.11	2.07	2.35	2.13
Jan 4	2.10	2.10	2.13	2.28	2.23	2.10	2.13	2.09	2.09	2.10	2.14	S	2.11	2.06	2.06	2.07	2.07	2.09	2.09	2.08	2.09	2.10	2.17	2.10	2.06	2.28	2.11
Jan 5	2.19	2.10	2.12	2.18	2.20	2.26	2.29	2.13	2.15	2.11	S	2.13	2.25	2.26	2.19	2.20	2.19	2.16	2.11	2.19	2.15	2.18	2.13	2.12	2.10	2.29	**2.17**
Jan 6	2.12	2.10	2.11	2.11	2.11	2.12	2.11	2.12	2.13	S	2.13	2.13	2.13	2.13	2.15	2.17	2.20	2.20	2.18	2.17	2.16	2.15	2.14	2.12	2.10	2.20	2.14
Jan 7	2.11	2.09	2.10	2.10	2.10	2.09	2.08	2.08	S	2.06	2.05	2.05	2.05	2.04	2.03	2.04	2.04	2.04	2.03	2.05	2.06	2.04	2.00	1.96	1.96	2.11	2.06
Jan 8	1.97	1.97	1.97	1.98	1.97	1.97	1.97	S	1.99	2.00	2.00	2.01	2.01	2.01	2.02	2.02	2.01	2.02	2.02	2.02	2.05	2.00	2.03	2.03	1.97	2.05	2.00
Jan 9	2.05	2.05	2.05	2.05	2.06	2.06	S	2.05	2.04	2.03	2.01	C	C	C	C	C	C	2.03	2.04	2.05	2.05	2.07	2.08	2.10	2.01	2.10	NA
Jan 10	2.09	2.06	2.03	2.02	2.02	S	2.01	1.99	1.98	1.99	2.00	2.00	2.00	1.99	1.98	1.98	1.99	1.99	2.00	2.01	2.00	2.02	2.02	2.01	1.98	2.09	2.01
Jan 11	2.01	2.01	2.01	2.02	S	2.02	2.03	2.02	2.03	2.05	2.05	2.08	2.08	2.10	2.18	2.08	2.12	2.08	2.08	2.11	2.09	2.07	2.08	2.09	2.01	2.18	2.06
Jan 12	2.10	2.11	2.09	S	2.09	2.08	2.08	2.09	2.08	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.06	2.06	2.11	2.08
Jan 13	2.07	2.06	S	2.05	2.05	2.04	2.04	2.03	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.04	2.04	2.02	2.07	2.04
Jan 14	2.04	S	2.04	2.03	2.04	2.03	2.04	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.04	2.01
Jan 15	S	2.01	2.02	2.03	2.02	2.02	2.02	2.02	2.04	2.02	2.02	2.01	2.02	2.05	2.07	2.05	2.03	2.03	2.02	2.02	2.02	2.03	2.03	S	2.01	2.07	2.03
Jan 16	2.01	2.01	2.00	2.00	1.99	1.99	2.00	2.00	1.98	1.96	1.96	P	P	P	P	P	X	2.03	2.06	2.06	2.06	2.07	S	2.10	1.96	2.10	NA
Jan 17	2.23	2.09	2.09	2.10	2.09	2.10	2.15	2.38	2.32	2.18	2.15	2.11	2.10	2.11	2.10	2.11	2.11	2.11	2.11	2.12	2.11	S	2.12	2.13	2.09	2.38	2.14
Jan 18	2.12	2.13	2.13	2.13	2.15	2.15	2.13	2.15	2.18	2.13	2.13	2.12	2.13	2.13	2.14	2.14	2.15	2.16	2.18	2.19	S	2.15	2.15	2.15	2.12	2.19	2.14
Jan 19	2.13	2.13	2.15	2.17	2.17	2.17	2.20	2.18	2.17	2.18	2.19	2.22	2.25	2.21	2.19	2.15	2.13	2.13	2.15	S	2.14	2.13	2.14	2.13	2.13	2.25	2.17
Jan 20	2.13	2.14	2.14	2.15	2.15	2.14	2.15	2.15	2.15	2.14	2.12	2.13	2.12	2.10	2.10	2.12	2.15	2.14	S	2.08	2.08	2.06	2.04	2.03	2.03	2.15	2.12
Jan 21	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.01	2.03	2.03	2.02	2.04	2.13	2.09	2.07	S	2.11	2.08	2.06	2.06	2.13	2.27	2.01	2.27	2.06
Jan 22	2.16	2.08	2.08	2.07	2.08	2.07	2.09	2.10	2.10	2.09	2.11	2.11	Y	Y	Y	Y	S	2.10	2.11	2.10	2.10	2.09	2.08	2.08	2.07	2.16	2.09
Jan 23	2.08	2.07	2.06	2.05	2.04	2.04	2.05	2.04	2.03	2.03	2.03	2.02	2.03	2.04	2.03	S	2.03	2.04	2.06	2.05	2.05	2.06	2.06	2.07	2.02	2.08	2.05
Jan 24	2.08	2.06	2.07	2.07	2.05	2.06	2.06	2.07	2.07	2.15	**2.44**	2.38	2.08	2.08	S	2.08	2.08	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.05	**2.44**	2.11
Jan 25	2.10	2.10	2.08	2.09	2.08	2.08	2.09	2.09	2.09	2.09	2.08	2.08	2.07	S	2.06	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.06	2.10	2.08
Jan 26	2.08	2.07	2.07	2.07	2.06	2.07	2.07	2.06	2.07	2.06	2.05	2.06	S	2.05	2.05	2.04	2.04	2.03	2.03	2.04	2.04	2.05	2.05	2.05	2.03	2.08	2.05
Jan 27	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.04	S	2.03	2.03	2.03	2.02	2.02	2.00	2.00	2.00	2.00	2.03	2.00	2.00	2.00	2.05	2.03
Jan 28	2.01	2.01	2.01	2.03	2.02	2.03	2.02	2.02	2.03	2.04	S	2.05	2.04	2.03	2.04	2.04	2.04	2.04	2.04	2.10	2.03	2.04	2.06	2.11	2.01	2.11	2.04
Jan 29	2.09	2.04	2.02	2.01	2.02	2.02	2.06	2.04	2.03	S	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.11	2.06	2.02	2.03	2.04	2.00	2.11	2.03
Jan 30	2.06	2.05	2.05	2.09	2.07	2.06	2.05	2.06	S	2.06	2.05	2.05	2.06	2.05	2.05	2.06	2.05	2.06	2.07	2.09	2.08	2.11	2.11	2.15	2.05	2.15	2.07
Jan 31	2.11	2.11	2.10	2.08	2.09	2.08	2.08	S	2.08	2.08	2.09	2.09	2.09	2.08	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.06	2.06	2.06	2.11	2.08
Diurnal Maximum	2.23	2.14	2.15	2.28	2.23	2.26	2.29	2.38	2.32	2.18	2.44	2.38	2.25	2.26	2.35	2.20	2.20	2.20	2.19	2.27	2.28	2.18	2.17	2.27			
Diurnal Average	2.09	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.07	2.07	2.08	2.08	2.07	2.07	2.08	2.07	2.07	2.07	2.07	2.08	2.07	2.07	2.08	2.08			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



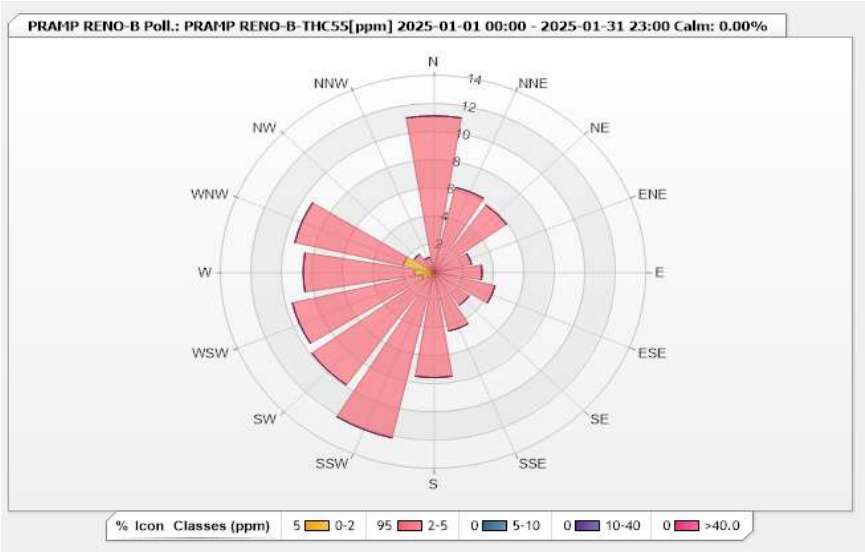


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 0.00% Valid Data: 84.41%

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0	11.15	0	0	0	11.15
NNE	0	6.21	0	0	0	6.21
NE	0	5.89	0	0	0	5.89
ENE	0	2.55	0	0	0	2.55
E	0	3.18	0	0	0	3.18
ESE	0	4.14	0	0	0	4.14
SE	0	2.87	0	0	0	2.87
SSE	0	4.3	0	0	0	4.3
S	0.32	7.17	0	0	0	7.49
SSW	0	12.1	0	0	0	12.1
SW	0.48	9.39	0	0	0	9.87
WSW	0.8	8.76	0	0	0	9.56
W	1.27	7.32	0	0	0	8.59
WNW	2.07	7.32	0	0	0	9.39
NW	0.16	1.43	0	0	0	1.59
NNW	0	1.11	0	0	0	1.11
Summary	5.1	94.89	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

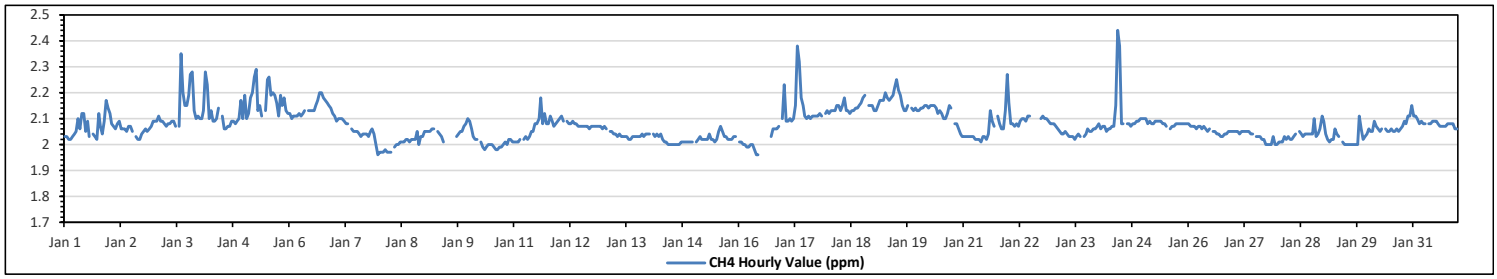
METHANE (CH4) in ppm

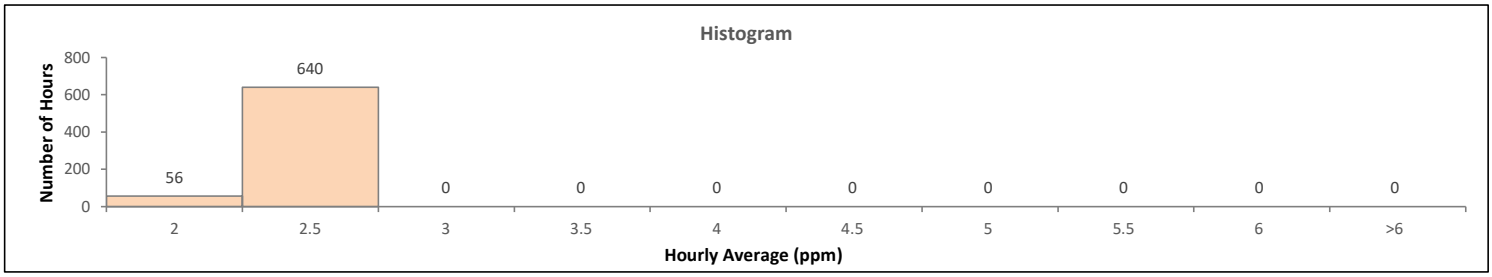
Maximum Hourly Value:	2.44	ppm	on Jan 24 at hr 10	Hours in Service:	744
Maximum Daily Value:	2.17	ppm	on Jan 5	Hours of Data:	696
Minimum Hourly Value:	1.96	ppm	on Jan 7 at hr 23	Hours of Missing Data:	10
Minimum Daily Value:	2.00	ppm	on Jan 8	Hours of Calibration:	38
Monthly Average:	2.07	ppm		Operational Uptime:	98.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.03	2.03	2.02	2.02	2.03	2.04	2.05	2.10	2.06	2.12	2.12	2.05	2.09	2.03	S	2.04	2.03	2.02	2.12	2.07	2.04	2.09	2.17	2.14	2.02	2.17	2.07
Jan 2	2.12	2.08	2.07	2.06	2.08	2.09	2.06	2.06	2.06	2.05	2.07	2.07	2.05	S	2.03	2.02	2.02	2.04	2.05	2.06	2.05	2.06	2.07	2.09	2.02	2.12	2.06
Jan 3	2.09	2.09	2.11	2.09	2.09	2.08	2.07	2.08	2.08	2.09	2.09	2.07	S	2.07	2.35	2.20	2.15	2.15	2.19	2.27	2.28	2.13	2.10	2.11	2.07	2.35	2.13
Jan 4	2.10	2.10	2.13	2.28	2.23	2.10	2.13	2.09	2.09	2.10	2.14	S	2.11	2.06	2.06	2.07	2.07	2.09	2.09	2.08	2.09	2.10	2.17	2.10	2.06	2.28	2.11
Jan 5	2.19	2.10	2.12	2.18	2.20	2.26	2.29	2.13	2.15	2.11	S	2.13	2.25	2.26	2.19	2.20	2.19	2.16	2.11	2.19	2.15	2.18	2.13	2.12	2.10	2.29	**2.17**
Jan 6	2.12	2.10	2.11	2.11	2.11	2.12	2.11	2.12	2.13	S	2.13	2.13	2.13	2.13	2.15	2.17	2.20	2.20	2.18	2.17	2.16	2.15	2.14	2.12	2.10	2.20	2.14
Jan 7	2.11	2.09	2.10	2.10	2.10	2.09	2.08	2.08	S	2.06	2.05	2.05	2.05	2.04	2.03	2.04	2.04	2.04	2.03	2.05	2.06	2.04	2.00	1.96	1.96	2.11	2.06
Jan 8	1.97	1.97	1.97	1.98	1.97	1.97	1.97	S	1.99	2.00	2.00	2.01	2.01	2.01	2.02	2.02	2.01	2.02	2.02	2.02	2.05	2.00	2.03	2.03	1.97	2.05	2.00
Jan 9	2.05	2.05	2.05	2.05	2.06	2.06	S	2.05	2.04	2.03	2.01	C	C	C	C	C	C	2.03	2.04	2.05	2.05	2.07	2.08	2.10	2.01	2.10	NA
Jan 10	2.09	2.06	2.03	2.02	2.02	S	2.01	1.99	1.98	1.99	2.00	2.00	2.00	1.99	1.98	1.98	1.99	1.99	2.00	2.01	2.00	2.02	2.02	2.01	1.98	2.09	2.01
Jan 11	2.01	2.01	2.01	2.02	S	2.02	2.03	2.02	2.03	2.05	2.05	2.08	2.08	2.10	2.18	2.08	2.12	2.08	2.08	2.11	2.09	2.07	2.08	2.09	2.01	2.18	2.06
Jan 12	2.10	2.11	2.09	S	2.09	2.08	2.08	2.09	2.08	2.08	2.07	2.07	2.07	2.07	2.07	2.07	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.06	2.06	2.11	2.08
Jan 13	2.07	2.06	S	2.05	2.05	2.04	2.04	2.03	2.04	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.04	2.04	2.02	2.07	2.04
Jan 14	2.04	S	2.04	2.03	2.04	2.03	2.04	2.02	2.01	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	2.04	2.01
Jan 15	S	2.01	2.02	2.03	2.02	2.02	2.02	2.02	2.04	2.02	2.02	2.01	2.02	2.05	2.07	2.05	2.03	2.03	2.02	2.02	2.02	2.03	2.03	S	2.01	2.07	2.03
Jan 16	2.01	2.01	2.00	2.00	1.99	1.99	2.00	2.00	1.98	1.96	1.96	P	P	P	P	P	X	2.03	2.06	2.06	2.06	2.07	S	2.10	1.96	2.10	NA
Jan 17	2.23	2.09	2.09	2.10	2.09	2.10	2.15	2.38	2.32	2.18	2.15	2.11	2.10	2.11	2.10	2.11	2.11	2.11	2.11	2.12	2.11	S	2.12	2.13	2.09	2.38	2.14
Jan 18	2.12	2.13	2.13	2.13	2.15	2.15	2.13	2.15	2.18	2.13	2.13	2.12	2.13	2.13	2.14	2.14	2.15	2.16	2.18	2.19	S	2.15	2.15	2.15	2.12	2.19	2.14
Jan 19	2.13	2.13	2.15	2.17	2.17	2.17	2.20	2.18	2.17	2.18	2.19	2.22	2.25	2.21	2.19	2.15	2.13	2.13	2.15	S	2.14	2.13	2.14	2.13	2.13	2.25	2.17
Jan 20	2.13	2.14	2.14	2.15	2.15	2.14	2.15	2.15	2.15	2.14	2.12	2.13	2.12	2.10	2.10	2.12	2.15	2.14	S	2.08	2.08	2.06	2.04	2.03	2.03	2.15	2.12
Jan 21	2.03	2.03	2.03	2.03	2.03	2.03	2.02	2.02	2.02	2.01	2.03	2.03	2.02	2.04	2.13	2.09	2.07	S	2.11	2.08	2.06	2.06	2.13	2.27	2.01	2.27	2.06
Jan 22	2.16	2.08	2.08	2.07	2.08	2.07	2.09	2.10	2.10	2.09	2.11	2.11	Y	Y	Y	Y	S	2.10	2.11	2.10	2.10	2.09	2.08	2.08	2.07	2.16	2.09
Jan 23	2.08	2.07	2.06	2.05	2.04	2.04	2.05	2.04	2.03	2.03	2.03	2.02	2.03	2.04	2.03	S	2.03	2.04	2.06	2.05	2.05	2.06	2.06	2.07	2.02	2.08	2.05
Jan 24	2.08	2.06	2.07	2.07	2.05	2.06	2.06	2.07	2.07	2.15	**2.44**	2.38	2.08	2.08	S	2.08	2.08	2.07	2.08	2.08	2.09	2.09	2.10	2.10	2.05	**2.44**	2.11
Jan 25	2.10	2.10	2.08	2.09	2.08	2.08	2.09	2.09	2.09	2.09	2.08	2.08	2.07	S	2.06	2.07	2.07	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.06	2.10	2.08
Jan 26	2.08	2.07	2.07	2.07	2.06	2.07	2.07	2.06	2.07	2.06	2.05	2.06	S	2.05	2.05	2.04	2.04	2.03	2.03	2.04	2.04	2.05	2.05	2.05	2.03	2.08	2.05
Jan 27	2.05	2.05	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.04	2.04	S	2.03	2.03	2.03	2.02	2.02	2.00	2.00	2.00	2.00	2.03	2.00	2.00	2.00	2.05	2.03
Jan 28	2.01	2.01	2.01	2.03	2.02	2.03	2.02	2.02	2.03	2.04	S	2.05	2.04	2.03	2.04	2.04	2.04	2.04	2.04	2.10	2.03	2.04	2.06	2.11	2.01	2.11	2.04
Jan 29	2.09	2.04	2.02	2.01	2.02	2.02	2.06	2.04	2.03	S	2.01	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.11	2.06	2.02	2.03	2.04	2.00	2.11	2.03
Jan 30	2.06	2.05	2.05	2.09	2.07	2.06	2.05	2.06	S	2.06	2.05	2.05	2.06	2.05	2.05	2.06	2.05	2.06	2.07	2.09	2.08	2.11	2.11	2.15	2.05	2.15	2.07
Jan 31	2.11	2.11	2.10	2.08	2.09	2.08	2.08	S	2.08	2.08	2.09	2.09	2.09	2.08	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.06	2.06	2.06	2.11	2.08
Diurnal Maximum	2.23	2.14	2.15	2.28	2.23	2.26	2.29	2.38	2.32	2.18	2.44	2.38	2.25	2.26	2.35	2.20	2.20	2.20	2.19	2.27	2.28	2.18	2.17	2.27			
Diurnal Average	2.09	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.07	2.07	2.08	2.08	2.07	2.07	2.08	2.07	2.07	2.07	2.07	2.08	2.07	2.07	2.08	2.08			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



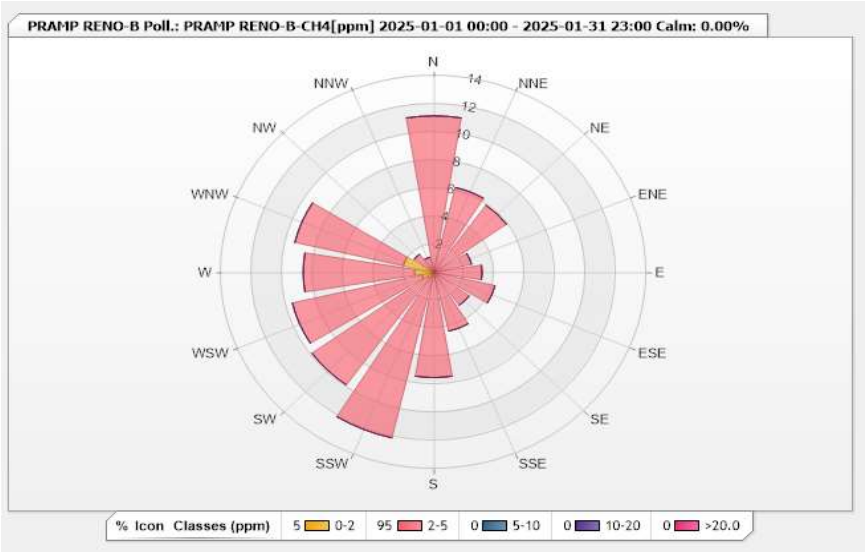


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 0.00% Valid Data: 84.41%

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0	11.15	0	0	0	11.15
NNE	0	6.21	0	0	0	6.21
NE	0	5.89	0	0	0	5.89
ENE	0	2.55	0	0	0	2.55
E	0	3.18	0	0	0	3.18
ESE	0	4.14	0	0	0	4.14
SE	0	2.87	0	0	0	2.87
SSE	0	4.3	0	0	0	4.3
S	0.32	7.17	0	0	0	7.49
SSW	0	12.1	0	0	0	12.1
SW	0.48	9.39	0	0	0	9.87
WSW	0.8	8.76	0	0	0	9.56
W	1.27	7.32	0	0	0	8.59
WNW	2.07	7.32	0	0	0	9.39
NW	0.16	1.43	0	0	0	1.59
NNW	0	1.11	0	0	0	1.11
Summary	5.1	94.89	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

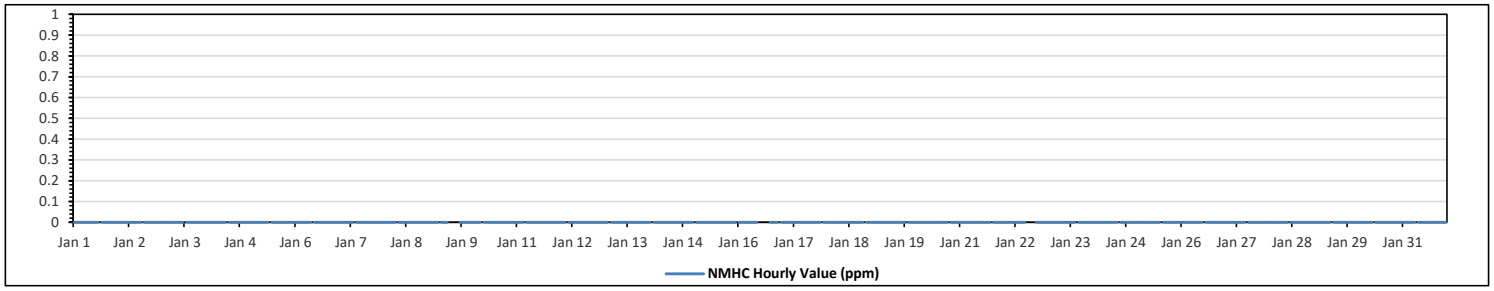
NON-METHANE HYDROCARBONS (NMHC) in ppm

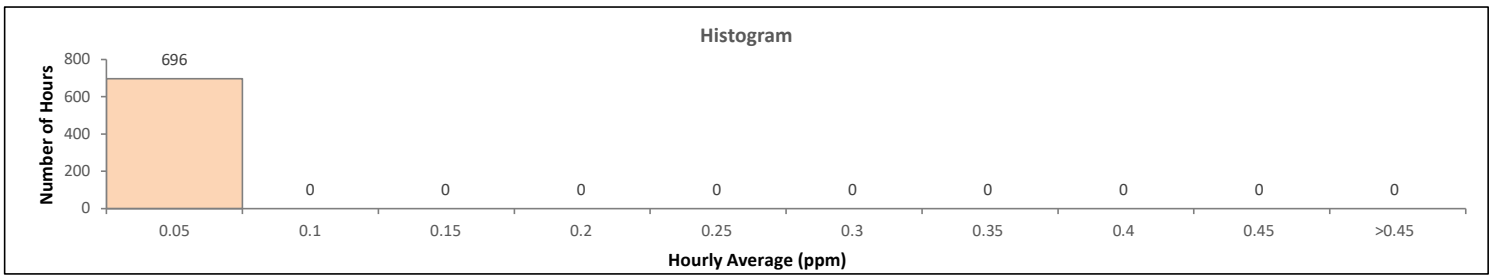
Maximum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Jan 1	Hours of Data:	696
Minimum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours of Missing Data:	10
Minimum Daily Value:	0.00	ppm	on Jan 1	Hours of Calibration:	38
Monthly Average:	0.00	ppm		Operational Uptime:	98.7

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 9	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	C	C	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Jan 10	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 11	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 12	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 13	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 14	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 15	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Jan 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	P	P	P	P	P	X	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	NA
Jan 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Jan 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Jan 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y	Y	Y	Y	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



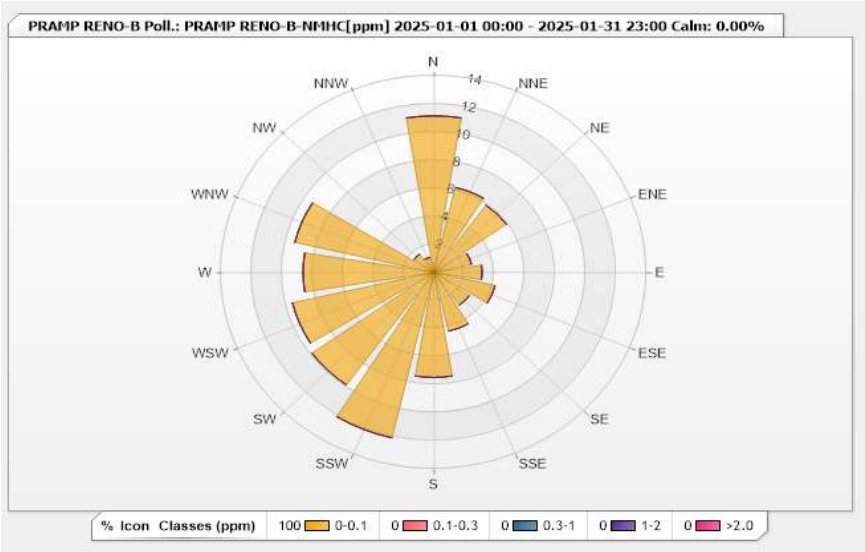


Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 0.00% Valid Data: 84.41%

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	11.15	0	0	0	0	11.15
NNE	6.21	0	0	0	0	6.21
NE	5.89	0	0	0	0	5.89
ENE	2.55	0	0	0	0	2.55
E	3.18	0	0	0	0	3.18
ESE	4.14	0	0	0	0	4.14
SE	2.87	0	0	0	0	2.87
SSE	4.3	0	0	0	0	4.3
S	7.48	0	0	0	0	7.48
SSW	12.1	0	0	0	0	12.1
SW	9.87	0	0	0	0	9.87
WSW	9.55	0	0	0	0	9.55
W	8.6	0	0	0	0	8.6
WNW	9.39	0	0	0	0	9.39
NW	1.59	0	0	0	0	1.59
NNW	1.11	0	0	0	0	1.11
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

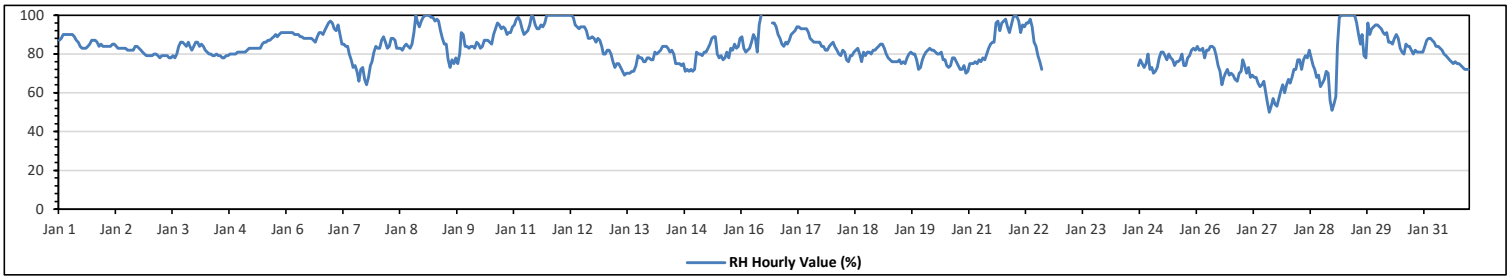
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jan 8 at hr 20	Hours in Service:	744	
Maximum Daily Value:	96.5	%	on Jan 11	Hours of Data:	689	
Minimum Hourly Value:	50	%	on Jan 23 at hr 14	Hours of Missing Data:	55	
Minimum Daily Value:	63.0	%	on Jan 27	Hours of Calibration:	0	
Monthly Average:	82.7	%		Operational Uptime:	92.6	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	87	88	90	90	90	90	90	90	89	87	86	84	83	83	83	84	85	87	87	87	86	84	85	84	83	90	86.6
Jan 2	84	84	84	84	85	85	84	83	83	83	83	83	82	82	82	82	84	84	83	82	81	80	79	79	79	85	82.7
Jan 3	79	79	80	80	79	78	79	79	79	79	78	78	79	78	80	84	86	86	85	84	86	84	82	84	78	86	81.0
Jan 4	86	86	84	85	84	82	81	80	80	79	79	80	79	79	78	78	79	79	80	80	80	80	81	81	78	86	80.8
Jan 5	81	81	81	82	83	83	83	83	83	83	83	85	86	86	87	87	88	89	90	89	90	91	91	91	81	91	85.7
Jan 6	91	91	91	91	90	90	90	89	89	88	88	88	88	88	87	86	89	91	91	90	92	94	96	97	86	97	90.2
Jan 7	96	93	92	95	90	85	85	84	84	80	77	73	74	71	66	72	73	67	64	68	74	76	81	84	64	96	79.3
Jan 8	83	83	87	89	86	83	84	88	88	87	83	83	83	82	84	85	84	83	85	91	**100**	96	94	97	82	**100**	87.0
Jan 9	99	**100**	**100**	**100**	99	99	97	98	97	92	88	85	85	77	73	77	75	78	75	80	91	90	84	84	73	**100**	88.5
Jan 10	83	84	84	83	86	85	83	84	87	87	86	85	90	93	96	95	93	94	93	90	91	91	94	83	96	88.5	
Jan 11	95	98	99	97	93	90	91	92	95	**100**	99	95	93	93	95	94	96	**100**	**100**	**100**	**100**	**100**	**100**	**100**	90	**100**	**96.5**
Jan 12	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	95	94	93	94	94	94	92	88	88	89	88	86	88	87	84	80	80	**100**	93.0
Jan 13	80	82	82	80	76	73	75	75	73	71	69	70	70	70	71	71	74	79	78	78	76	76	78	78	69	82	75.2
Jan 14	77	77	81	80	81	82	84	84	84	83	81	82	80	75	75	75	74	75	71	72	71	72	71	72	71	84	77.5
Jan 15	81	80	80	79	81	81	83	85	88	89	89	80	78	79	77	78	81	78	83	82	85	83	84	88	77	89	82.2
Jan 16	89	83	81	82	83	86	90	88	81	95	**100**	**P**	**P**	**P**	**P**	**P**	96	96	94	90	88	85	84	86	81	**100**	88.3
Jan 17	85	87	90	91	92	94	94	93	93	93	91	88	87	86	86	86	86	86	84	84	82	82	84	85	82	94	88.2
Jan 18	86	84	82	80	79	82	81	77	76	79	79	81	82	83	80	76	81	79	81	81	80	82	82	83	76	86	80.7
Jan 19	84	85	85	83	80	78	77	76	76	76	76	77	75	76	75	78	80	81	80	80	77	72	73	77	72	85	78.2
Jan 20	79	81	82	83	82	82	81	80	80	81	77	77	74	73	74	78	78	76	74	72	72	74	70	71	70	83	77.1
Jan 21	75	75	75	76	75	77	76	78	77	80	83	85	86	86	96	97	92	96	97	98	94	91	95	99	75	99	85.8
Jan 22	**100**	99	97	91	95	94	96	96	98	94	86	84	79	76	72	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	72	**100**	NA
Jan 23	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**0**	0	NA
Jan 24	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	**K**	74	77	75	73	75	80	72	72	80	NA
Jan 25	73	70	71	73	78	81	81	79	77	80	78	77	74	76	76	77	80	74	74	78	79	82	83	82	70	83	77.2
Jan 26	84	82	82	83	78	82	82	84	84	83	79	74	71	64	68	70	72	69	70	69	67	66	70	71	64	84	75.2
Jan 27	77	74	70	73	68	69	68	68	65	63	64	66	60	55	**50**	53	57	54	53	57	61	64	60	64	50	77	**63.0**
Jan 28	67	65	68	72	72	77	77	72	77	79	78	82	78	74	72	68	69	63	65	67	71	70	56	51	51	82	70.4
Jan 29	54	58	84	99	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	96	90	85	90	79	78	96	90	93	94	95	95	54	**100**	90.7
Jan 30	94	93	91	90	91	86	86	85	88	90	88	83	81	80	85	84	84	82	80	82	81	81	81	81	80	94	85.3
Jan 31	84	87	88	88	87	86	84	84	83	82	80	79	78	77	76	75	76	75	75	74	73	72	72	72	72	88	79.5
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	96	94	96	97	96	100	100	100	100	100	100	100			
Diurnal Average	83.9	83.8	84.9	85.5	84.9	84.8	84.9	84.6	84.4	84.7	83.6	82.2	80.8	79.4	79.2	80.3	81.5	80.7	81.2	81.3	82.1	81.9	81.6	82.1			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance			
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P**	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

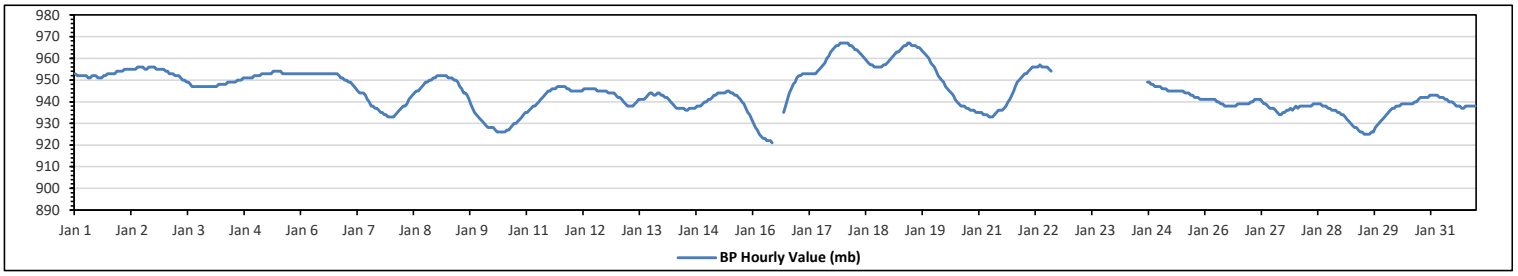
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	967	mb	on Jan 17 at hr 22	Hours in Service:	744	
Maximum Daily Value:	963	mb	on Jan 19	Hours of Data:	689	
Minimum Hourly Value:	921	mb	on Jan 23 at hr 10	Hours of Missing Data:	55	
Minimum Daily Value:	929	mb	on Jan 29	Hours of Calibration:	0	
Monthly Average:	945	mb		Operational Uptime:	92.6	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	953	952	952	952	952	952	952	951	951	952	952	952	951	951	951	952	952	953	953	953	953	953	954	954	951	954	952
Jan 2	954	954	955	955	955	955	955	955	955	956	956	956	956	955	955	956	956	956	956	955	955	955	955	955	954	956	955
Jan 3	954	954	953	953	953	952	952	952	951	950	950	949	949	948	947	947	947	947	947	947	947	947	947	947	947	954	950
Jan 4	947	947	947	947	948	948	948	948	948	949	949	949	949	949	950	950	950	951	951	951	951	951	951	952	947	952	949
Jan 5	952	952	952	953	953	953	953	953	953	954	954	954	954	954	953	953	953	953	953	953	953	953	953	953	952	954	953
Jan 6	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	953	952	951	951	950	950	953	953
Jan 7	950	949	949	948	947	946	945	944	944	944	943	941	940	938	938	937	937	936	935	935	934	934	933	933	933	950	941
Jan 8	933	933	934	935	936	937	938	938	939	941	942	943	944	945	945	946	947	948	949	949	950	950	951	951	933	951	943
Jan 9	952	952	952	952	952	952	951	951	951	950	950	949	947	946	944	944	943	941	939	937	935	934	933	932	932	952	945
Jan 10	931	930	929	928	928	928	928	927	926	926	926	926	926	927	927	928	929	930	930	931	932	933	934	935	926	935	929
Jan 11	935	936	937	938	938	939	940	941	942	943	944	945	945	946	946	946	947	947	947	947	947	946	946	945	935	947	943
Jan 12	945	945	945	945	945	945	946	946	946	946	946	946	946	945	945	945	945	945	945	944	944	944	944	943	943	946	945
Jan 13	942	942	941	940	939	938	938	938	938	939	940	941	941	941	941	942	943	944	944	943	943	944	944	943	938	944	941
Jan 14	943	942	942	941	940	939	938	937	937	937	937	937	936	936	937	937	937	937	938	938	938	939	940	940	936	943	938
Jan 15	941	941	942	943	943	944	944	944	944	944	945	945	944	944	943	943	942	941	940	939	937	935	934	932	932	945	941
Jan 16	930	928	927	925	924	923	923	922	922	922	**921**	P	P	P	P	P	935	938	941	944	946	948	949	951	921	951	933
Jan 17	952	952	953	953	953	953	953	953	953	953	954	955	956	957	958	960	961	963	964	965	966	966	**967**	**967**	952	**967**	958
Jan 18	**967**	**967**	**967**	966	966	965	964	964	963	962	961	960	959	958	957	957	956	956	956	956	956	957	957	958	956	**967**	961
Jan 19	959	960	961	962	963	963	964	965	966	966	**967**	**967**	966	966	966	965	965	964	963	962	961	960	958	957	957	**967**	**963**
Jan 20	956	954	952	951	950	949	947	946	945	944	943	941	940	939	938	938	938	937	937	936	936	936	935	935	935	956	943
Jan 21	935	935	934	934	934	933	933	933	934	935	936	936	936	937	938	940	941	943	945	947	949	950	951	952	933	952	939
Jan 22	953	953	954	955	956	956	956	956	957	956	956	956	956	955	954	K	K	K	K	K	K	K	K	K	953	957	NA
Jan 23	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	**0**	0	NA
Jan 24	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	949	949	948	948	947	947	947	947	949	NA
Jan 25	947	946	946	946	945	945	945	945	945	945	945	945	945	944	944	944	943	943	942	942	942	941	941	941	941	947	944
Jan 26	941	941	941	941	941	941	940	940	939	939	938	938	938	938	938	938	938	939	939	939	939	939	939	939	938	941	939
Jan 27	940	940	941	941	941	941	940	939	939	938	937	937	937	936	935	934	934	935	935	936	936	937	936	937	934	941	938
Jan 28	938	937	938	938	938	938	938	938	938	939	939	939	939	939	938	938	938	937	937	936	936	936	935	935	935	939	938
Jan 29	934	934	933	932	931	930	929	928	928	927	926	926	925	925	925	925	926	926	928	929	930	931	932	933	925	934	**929**
Jan 30	934	935	936	937	937	938	938	938	939	939	939	939	939	939	939	940	940	941	942	942	942	942	942	943	934	943	939
Jan 31	943	943	943	943	942	942	942	941	941	940	940	940	939	938	938	938	937	937	938	938	938	938	938	938	937	943	940
Diurnal Maximum	967	967	967	966	966	965	964	965	966	966	967	967	966	966	966	965	965	964	964	965	966	966	967	967			
Diurnal Average	945	945	945	945	945	945	945	944	944	944	944	945	945	945	944	944	944	944	945	945	945	945	945	945			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

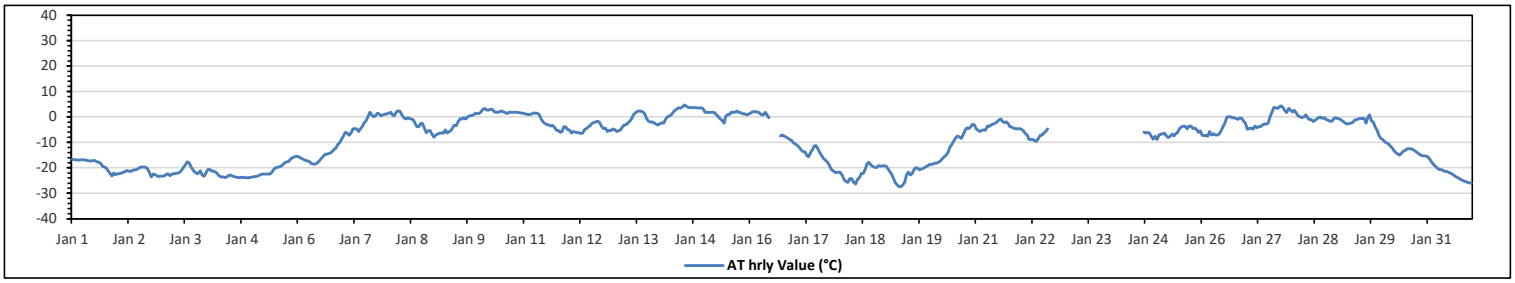
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	4.8	°C	on Jan 14 at hr 13	Hours in Service:	744	
Maximum Daily Value:	2.2	°C	on Jan 14	Hours of Data:	689	
Minimum Hourly Value:	-27.4	°C	on Jan 19 at hr 8	Hours of Missing Data:	55	
Minimum Daily Value:	-23.0	°C	on Jan 4	Hours of Calibration:	0	
Monthly Average:	-9.1	°C		Operational Uptime:	92.6	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	-16.6	-16.8	-16.9	-16.9	-16.9	-16.8	-16.9	-16.9	-17.1	-17.3	-17.3	-17.2	-17.2	-17.6	-17.8	-18.3	-19.2	-19.7	-20.1	-21.2	-22.1	-23.1	-22	-22.7	-23.1	-16.6	-18.5
Jan 2	-22.3	-22.3	-22	-21.8	-21.4	-21.1	-21.3	-21.4	-20.9	-20.8	-20.6	-20.3	-19.8	-19.7	-19.7	-19.8	-20.3	-21.8	-23.5	-22.5	-22.7	-23.1	-23.4	-23.2	-23.5	-19.7	-21.5
Jan 3	-23.3	-23	-22.5	-22.4	-23	-22.5	-22.3	-22.1	-22	-21.8	-21.1	-19.9	-18.9	-17.6	-18	-19.5	-20.8	-21.6	-22.1	-22.2	-21.2	-22.9	-23.3	-21.9	-23.3	-17.6	-21.5
Jan 4	-20.6	-20.6	-21.3	-21.3	-21.6	-22.4	-23.1	-23.5	-23.6	-23.8	-23.6	-23	-22.8	-23.2	-23.4	-23.7	-23.8	-23.8	-23.7	-23.8	-23.8	-23.9	-23.8	-23.7	-23.9	-20.6	**-23.0**
Jan 5	-23.5	-23.4	-23.3	-23	-22.7	-22.5	-22.4	-22.4	-22.5	-22.4	-21.6	-20.5	-19.9	-19.8	-19.5	-19.2	-18.7	-17.9	-17.6	-17.4	-16.4	-16	-15.7	-15.5	-23.5	-15.5	-20.2
Jan 6	-15.5	-16	-16.3	-16.7	-17.1	-17.3	-17.6	-18.3	-18.6	-18.6	-18.2	-17.4	-16.5	-15.7	-14.8	-14.7	-14.4	-14.1	-13.5	-12.7	-12.2	-10.8	-10.2	-8.8	-18.6	-8.8	-15.3
Jan 7	-7.6	-6.1	-6.3	-7.2	-6.3	-4.7	-4.6	-4.7	-5.6	-4.5	-3.5	-2.3	-1.5	0	1.9	0.8	0	0.5	1.4	1.2	0.5	0.8	1.1	1.2	-7.6	1.9	-2.3
Jan 8	1.4	1.8	0.7	0.5	1.9	2.5	2.3	0.9	-0.3	-0.8	-0.3	-0.6	-0.8	-1.2	-2.5	-3.9	-3.9	-2.6	-2.6	-4.2	-6.2	-5.5	-5.3	-6.8	-6.8	2.5	-1.5
Jan 9	-8	-7.1	-6.8	-6.3	-6.4	-6.3	-5.1	-6.4	-5.8	-5.3	-4.2	-3.2	-3.4	-1.8	-0.6	-0.8	-0.3	-0.8	0	0.5	0.6	0.9	1.4	1.3	-8.0	1.4	-3.1
Jan 10	1.3	2	3	3.3	2.7	2.7	3	2.9	2.1	1.9	1.9	2.1	2.4	2	1.7	1.3	1.8	1.8	1.8	1.8	1.9	1.7	1.6	1.4	1.3	3.3	2.1
Jan 11	1.3	1.1	1	1	1.2	1.6	1.4	1.4	1	-0.6	-1.9	-2.6	-2.9	-3.2	-3.5	-3.3	-4.1	-5.2	-5.4	-5.9	-5.8	-3.9	-4	-5	-5.9	1.6	-1.9
Jan 12	-5.2	-6.3	-5.7	-6	-6.1	-6.2	-6.5	-6.4	-5	-4.5	-4	-3.4	-2.6	-2.2	-1.9	-1.7	-2.2	-3.7	-4.6	-4.4	-5.6	-5.4	-5.3	-4.7	-6.5	-1.7	-4.6
Jan 13	-4.9	-5.7	-5.5	-5.2	-4.2	-3.1	-3	-2.4	-1.7	-0.7	1	1.6	2.3	2.4	2.2	2	1.2	-0.7	-1.7	-2.1	-1.9	-2.3	-2.8	-3.2	-5.7	2.4	-1.6
Jan 14	-2.7	-2.3	-2.4	-0.9	0.1	0.5	0.7	1.7	2.6	3.1	3.6	3.5	4	**4.8**	4.2	3.8	3.8	3.6	3.8	3.6	3.6	3.5	3.6	3.3	-2.7	**4.8**	**2.2**
Jan 15	1.8	1.9	1.7	1.9	1.8	1.7	0.8	0.1	-0.8	-1.4	-2.5	0.2	1	1	1.9	1.9	1.8	2.4	1.7	1.7	1.2	1.2	0.9	1.1	-2.5	2.4	1.0
Jan 16	1.4	2	2.1	2.1	2	1.5	0.8	0.9	1.8	0.6	-0.2	P	P	P	P	P	-7.5	-7	-7.4	-7.9	-8.3	-8.8	-9.3	-10.2	-10.2	2.1	-2.7
Jan 17	-10.6	-11.2	-12	-13	-13.6	-13.7	-15.3	-15.6	-14	-12.8	-11.5	-11.2	-12.4	-14	-15.2	-16.3	-17	-17.8	-19	-20.7	-21.2	-21.8	-21.8	-21.6	-21.8	-10.6	-15.6
Jan 18	-21.7	-23.2	-24.8	-25.5	-25.6	-24.2	-24.3	-25.7	-26.3	-24.6	-23.8	-22.2	-22.2	-20.5	-18.5	-17.8	-18.8	-19.4	-19.8	-19.9	-19.1	-19.3	-19.2	-19.1	-26.3	-17.8	-21.9
Jan 19	-19.2	-20.2	-21.3	-22.5	-24.1	-25.8	-26.6	-27.3	**-27.4**	-26.9	-25.6	-22.9	-21.6	-22.9	-22.2	-20.5	-19.9	-20.3	-20.8	-20.4	-20.2	-19.7	-19.4	-18.8	**-27.4**	-18.8	-22.4
Jan 20	-18.7	-18.6	-18.2	-18.1	-17.7	-17.3	-16.3	-15.6	-14.9	-13.8	-12	-11	-9.6	-8.3	-7.4	-7.9	-8.4	-6.9	-5.2	-4.3	-4.5	-4	-2.9	-3	-18.7	-2.9	-11.0
Jan 21	-4.7	-5.3	-5.6	-5.4	-5.1	-5.2	-3.5	-3.7	-3	-2.8	-2.4	-1.9	-1.2	-0.8	-1.8	-2.2	-1.9	-2.7	-3.9	-4	-4.4	-4.6	-4.7	-4.6	-5.6	-0.8	-3.6
Jan 22	-4.8	-5.5	-6.5	-7.1	-8.9	-8.9	-8.8	-9.2	-9.6	-8.5	-7.2	-7	-6.3	-5.6	-4.7	K	K	K	K	K	K	K	K	K	-9.6	-4.7	NA
Jan 23	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	0.0	0.0	NA
Jan 24	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	-5.9	-6.4	-6.1	-6.4	-7.6	-8.7	-7.6	-8.7	-5.9	NA
Jan 25	-8.8	-7.1	-6.8	-6.7	-6.4	-7.4	-8.1	-7.6	-6.7	-7.4	-6.6	-6.1	-4.5	-4	-3.6	-3.7	-4.7	-3.5	-3.5	-4.6	-4.3	-5.1	-6.1	-5.5	-8.8	-3.5	-5.8
Jan 26	-7.2	-7.3	-7.2	-7.6	-5.7	-7	-6.6	-7	-7	-6.7	-5.5	-3.8	-2.4	-0.1	0	0.1	-0.2	-0.2	-0.7	-0.9	-0.4	-0.4	-1.5	-2.5	-7.6	0.1	-3.7
Jan 27	-4.8	-4.6	-4.3	-4.8	-3.6	-4.2	-3.9	-3.8	-3.2	-2.8	-2.8	-2.4	0.1	1.9	3.8	3.6	3.3	4	4.4	3.7	2.4	1.7	3.4	2.7	-4.8	4.4	-0.4
Jan 28	2	2.6	1.6	0.3	0.1	-0.2	0	0.8	-0.4	-1.1	-1	-1.8	-1.4	-0.6	-0.3	-0.1	-0.5	-0.3	-1	-1.4	-1.6	-1.7	-0.5	-0.2	-1.8	2.6	-0.3
Jan 29	-0.6	-0.8	-1.4	-1.8	-2.4	-2.8	-2.6	-2.5	-2	-1.2	-1.1	-0.8	-0.5	-0.6	-0.5	-2.4	-0.1	0.8	-1.5	-2.1	-4.1	-5.3	-7.4	-8.4	-8.4	0.8	-2.2
Jan 30	-9	-9.8	-10.2	-10.7	-11.6	-12.3	-13.4	-14.1	-14.7	-14.9	-14.3	-13.4	-13.2	-12.5	-12.5	-12.4	-12.9	-13.4	-13.8	-14.5	-15	-15.2	-15.3	-15.4	-15.4	-9.0	-13.1
Jan 31	-15.8	-16.8	-17.9	-18.8	-19.5	-20.2	-20.6	-20.7	-21.1	-21.4	-21.5	-21.8	-22.2	-22.5	-23	-23.6	-23.9	-24.4	-24.8	-25.2	-25.5	-25.7	-25.9	-25.9	-25.9	-15.8	-22.0
Diurnal Maximum	2.0	2.6	3.0	3.3	2.7	2.7	3.0	2.9	2.6	3.1	3.6	3.5	4.0	4.8	4.2	3.8	3.8	4.0	4.4	3.7	3.6	3.5	3.6	3.3			
Diurnal Average	-9.2	-9.3	-9.5	-9.7	-9.7	-9.7	-9.8	-10.0	-9.9	-9.7	-9.2	-8.9	-8.4	-7.9	-7.7	-8.1	-8.3	-8.3	-8.6	-8.8	-9.1	-9.2	-9.2	-9.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

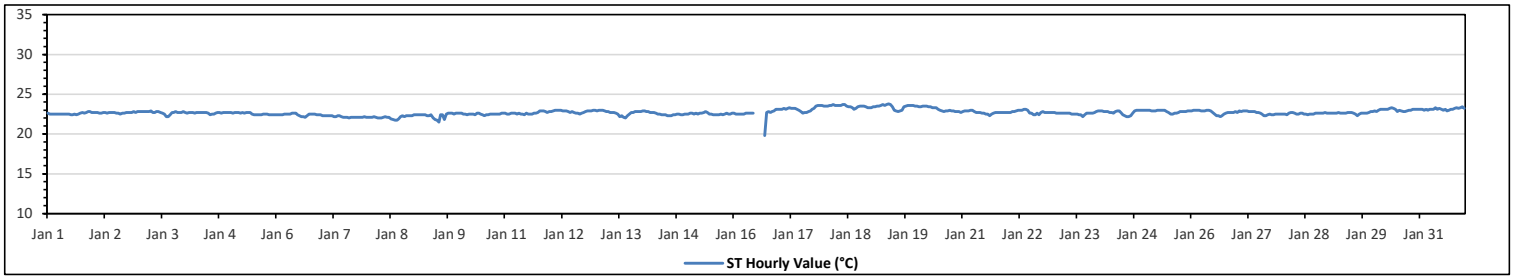
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	23.8	°C	on Jan 19 at hr 9	Hours in Service:	744	
Maximum Daily Value:	23.5	°C	on Jan 18	Hours of Data:	739	
Minimum Hourly Value:	19.8	°C	on Jan 16 at hr 16	Hours of Missing Data:	5	
Minimum Daily Value:	22.1	°C	on Jan 8	Hours of Calibration:	0	
Monthly Average:	22.7	°C		Operational Uptime:	99.3	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	22.6	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.4	22.4	22.5	22.4	22.5	22.6	22.7	22.6	22.7	22.8	22.8	22.7	22.4	22.8	22.6
Jan 2	22.7	22.7	22.7	22.6	22.6	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.6	22.6	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.8	22.7	22.8	22.5	22.8	22.7
Jan 3	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.7	22.7	22.8	22.8	22.7	22.6	22.5	22.2	22.2	22.4	22.7	22.7	22.8	22.7	22.7	22.7	22.8	22.2	22.9	22.7
Jan 4	22.7	22.6	22.7	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.6	22.4	22.5	22.5	22.6	22.7	22.7	22.6	22.7	22.7	22.7	22.7	22.4	22.7	22.7
Jan 5	22.7	22.6	22.7	22.7	22.7	22.6	22.7	22.6	22.7	22.7	22.7	22.5	22.4	22.4	22.4	22.4	22.4	22.5	22.5	22.5	22.4	22.4	22.4	22.4	22.4	22.7	22.5
Jan 6	22.4	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.4	22.3	22.2	22.2	22.1	22.3	22.5	22.5	22.5	22.5	22.4	22.4	22.4	22.1	22.6	22.4
Jan 7	22.3	22.3	22.3	22.3	22.3	22.3	22.2	22.2	22.3	22.3	22.2	22.1	22.1	22.1	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.2	22.1	22.0	22.3	22.2
Jan 8	22.1	22.1	22.1	22.2	22.1	22.0	22.0	22.0	22.1	22.2	22.1	22.1	21.9	21.8	21.7	21.7	21.9	22.2	22.3	22.2	22.3	22.3	22.3	22.3	21.7	22.3	**22.1**
Jan 9	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.3	22.3	22.4	22.0	21.8	21.7	21.5	22.4	22.4	21.8	22.5	22.6	22.6	22.6	22.5	22.6	22.6	21.5	22.6	22.3
Jan 10	22.6	22.6	22.5	22.5	22.4	22.5	22.5	22.5	22.4	22.6	22.6	22.5	22.4	22.3	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.6	22.6	22.3	22.6	22.5
Jan 11	22.6	22.5	22.5	22.6	22.6	22.6	22.5	22.6	22.5	22.5	22.4	22.6	22.5	22.5	22.5	22.6	22.6	22.7	22.9	22.9	22.9	22.8	22.7	22.8	22.4	22.9	22.6
Jan 12	22.8	22.9	23.0	23.0	23.0	23.0	22.9	22.9	22.9	22.8	22.7	22.8	22.7	22.6	22.6	22.5	22.6	22.7	22.8	22.9	22.9	22.9	23.0	23.0	22.5	23.0	22.8
Jan 13	22.9	23.0	23.0	23.0	22.9	22.8	22.8	22.7	22.7	22.7	22.6	22.5	22.2	22.3	22.1	22.0	22.3	22.5	22.7	22.7	22.8	22.8	22.8	22.8	22.0	23.0	22.7
Jan 14	22.9	22.9	22.8	22.8	22.7	22.7	22.7	22.6	22.5	22.5	22.4	22.4	22.4	22.3	22.3	22.3	22.4	22.4	22.5	22.5	22.4	22.4	22.5	22.5	22.3	22.9	22.5
Jan 15	22.5	22.6	22.6	22.5	22.6	22.5	22.6	22.6	22.7	22.8	22.7	22.5	22.5	22.4	22.4	22.4	22.4	22.5	22.4	22.5	22.6	22.5	22.5	22.6	22.4	22.8	22.5
Jan 16	22.6	22.5	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	**P**	**P**	**P**	**P**	**P**	**19.8**	22.7	22.8	22.7	22.8	22.9	23.1	23.1	**19.8**	23.1	22.5
Jan 17	23.1	23.1	23.2	23.1	23.2	23.3	23.2	23.2	23.2	23.1	23.0	22.8	22.6	22.7	22.7	22.8	22.9	23.1	23.2	23.5	23.6	23.6	23.6	23.5	22.6	23.6	23.1
Jan 18	23.5	23.5	23.6	23.6	23.7	23.6	23.6	23.6	23.6	23.7	23.7	23.5	23.4	23.4	23.3	23.1	23.2	23.4	23.5	23.5	23.5	23.4	23.3	23.3	23.1	23.7	**23.5**
Jan 19	23.3	23.4	23.4	23.5	23.5	23.6	23.7	23.6	23.7	**23.8**	23.7	23.4	23.0	22.9	22.8	22.9	23.0	23.4	23.5	23.6	23.6	23.6	23.6	23.5	22.8	**23.8**	23.4
Jan 20	23.5	23.4	23.4	23.5	23.5	23.5	23.4	23.4	23.3	23.3	23.3	23.1	23.0	22.9	22.8	22.9	22.9	23.0	22.9	22.9	22.8	22.8	22.8	22.7	22.7	23.5	23.1
Jan 21	22.8	22.9	22.9	22.9	23.0	23.0	22.8	22.7	22.7	22.7	22.6	22.6	22.5	22.5	22.3	22.5	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.3	23.0	22.7
Jan 22	22.7	22.7	22.8	22.8	22.9	23.0	23.0	23.0	23.1	23.1	23.0	22.6	22.6	22.4	22.4	22.6	22.4	22.7	22.8	22.7	22.7	22.7	22.7	22.7	22.4	23.1	22.8
Jan 23	22.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.5	22.5	22.4	22.4	22.2	22.4	22.6	22.6	22.6	22.6	22.7	22.8	22.9	22.2	22.9	22.6
Jan 24	22.9	22.9	22.8	22.8	22.8	22.7	22.7	22.6	22.8	22.9	22.9	22.7	22.4	22.3	22.2	22.2	22.3	22.6	22.9	23.0	23.0	23.0	23.0	23.0	22.2	23.0	22.7
Jan 25	23.0	23.0	23.0	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.8	22.7	22.5	22.5	22.6	22.6	22.7	22.8	22.8	22.8	22.8	22.9	22.9	22.5	23.0	22.8
Jan 26	22.9	23.0	23.0	23.0	23.0	22.9	22.9	22.9	23.0	23.0	22.9	22.7	22.5	22.3	22.3	22.2	22.3	22.5	22.6	22.7	22.7	22.7	22.7	22.8	22.2	23.0	22.7
Jan 27	22.7	22.9	22.8	22.9	22.9	22.9	22.8	22.8	22.8	22.8	22.7	22.7	22.6	22.5	22.3	22.3	22.4	22.5	22.4	22.4	22.5	22.5	22.5	22.5	22.3	22.9	22.6
Jan 28	22.5	22.5	22.4	22.6	22.7	22.7	22.6	22.5	22.5	22.6	22.6	22.5	22.5	22.4	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.7	22.6	22.4	22.7	22.6
Jan 29	22.6	22.6	22.6	22.6	22.6	22.7	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.6	22.5	22.3	22.5	22.6	22.6	22.6	22.6	22.7	22.8	22.8	22.3	22.8	22.6
Jan 30	22.9	22.8	23.0	23.1	23.1	23.1	23.1	23.1	23.2	23.3	23.2	23.1	22.8	23.0	22.9	22.8	22.8	22.9	23.0	23.0	23.1	23.1	23.1	23.1	22.8	23.3	23.0
Jan 31	23.1	23.1	23.0	23.1	23.0	23.1	23.1	23.1	23.3	23.1	23.2	23.1	23.0	23.1	22.9	23.0	23.1	23.1	23.2	23.3	23.2	23.3	23.4	23.2	22.9	23.4	23.1
Diurnal Maximum	23.5	23.5	23.6	23.6	23.7	23.6	23.7	23.6	23.7	23.8	23.7	23.5	23.4	23.4	23.3	23.1	23.2	23.4	23.5	23.6	23.6	23.6	23.6	23.5			
Diurnal Average	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.5	22.5	22.5	22.5	22.4	22.7	22.7	22.7	22.8	22.8	22.8	22.8			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
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Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

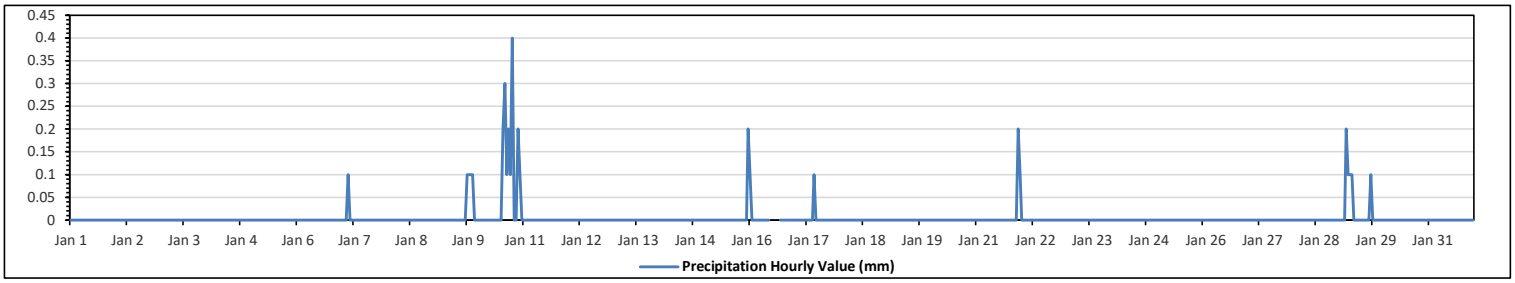
PRECIPITATION in mm

Maximum Hourly Value:	0.4	mm	on Jan 10 at hr 18	Hours in Service:	744		
Maximum Daily Value:	1.6	mm	on Jan 10	Hours of Data:	739		
Minimum Hourly Value:	0.0	mm	on Jan 1 at hr 0	Hours of Missing Data:	5		
Minimum Daily Value:	0.0	mm	on Jan 1	Hours of Calibration:	0		
Monthly Total:	3.4	mm		Operational Uptime:	99.3		

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Total
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 7	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
Jan 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0.0	0.1	0.4
Jan 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.3	0.1	0.2	0.1	**0.4**	0	0	0.2	0.1	0	0.0	**0.4**	**1.6**
Jan 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0.2	0.2
Jan 16	0.1	0	0	0	0	0	0	0	0	0	0	P	P	P	P	P	0	0	0	0	0	0	0	0	0.0	0.1	0.1
Jan 17	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1	0.1
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.1	0.0	0.2	0.3
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 29	0	0	0	0	0.2	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0.0	0.2	0.6
Jan 30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Jan 31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Diurnal Maximum	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.1	0.2	0.1	0.4	0.1	0.1	0.2	0.2	0.2			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
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Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

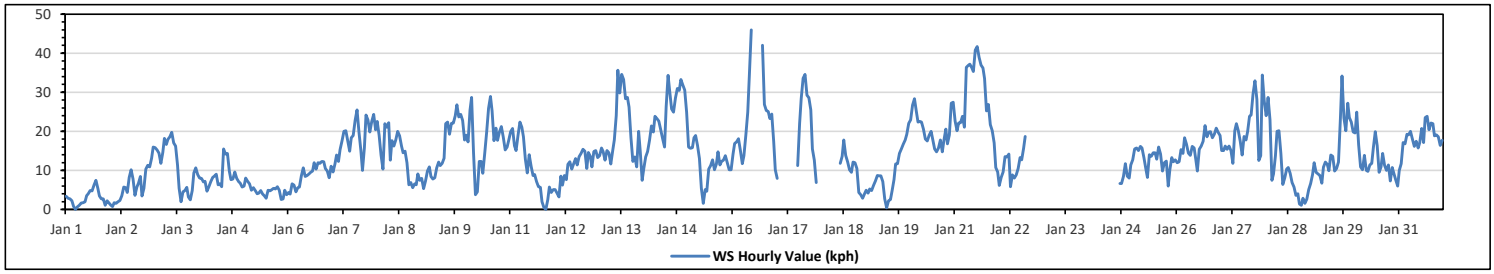
VECTOR WIND SPEED (VWS) in km/hr

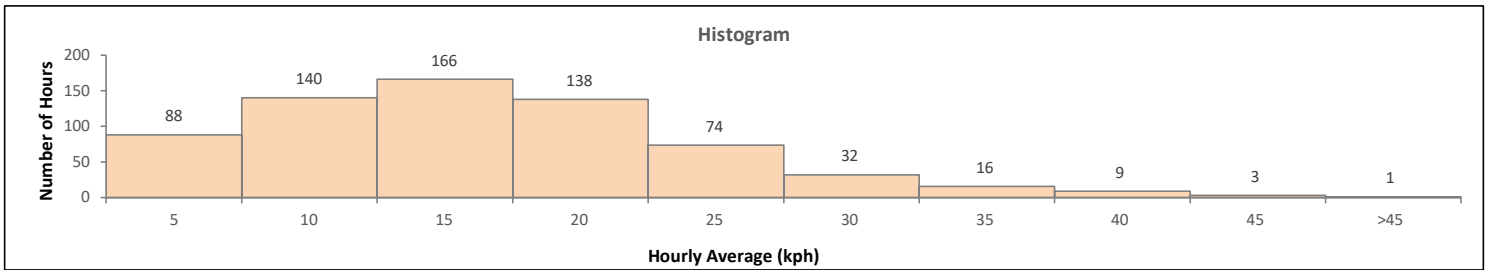
Maximum Hourly Value:	46.0	kph	on Jan 16 at hr 10	Hours in Service:	744	
Maximum Daily Value:	28.1	kph	on Jan 21	Hours of Data:	667	
Minimum Hourly Value:	0.0	kph	on Jan 1 at hr 5	Hours of Missing Data:	77	
Minimum Daily Value:	2.8	kph	on Jan 1	Hours of Calibration:	0	
Monthly Average:	4.8	kph		Operational Uptime:	89.7	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3.3	2.8	2.7	2.2	0.8	**0.0**	0.6	1.0	1.6	1.7	2.0	3.5	4.0	4.8	4.7	6.2	7.4	5.4	3.4	2.7	2.7	1.0	2.2	1.6	**0.0**	7.4	**2.8**
Jan 2	1.0	0.7	1.7	1.5	2.0	2.3	3.5	5.7	5.5	4.3	8.2	10.1	7.7	3.6	5.7	6.7	8.4	3.4	5.4	10.3	11.3	10.9	13.1	16.0	0.7	16.0	6.2
Jan 3	15.8	15.2	14.4	11.8	14.6	18.2	16.6	17.9	18.6	19.7	17.0	16.2	11.4	5.4	2.0	4.5	4.8	5.6	3.2	2.4	4.8	9.3	10.6	8.9	2.0	19.7	11.2
Jan 4	8.0	7.9	7.0	7.2	4.6	5.8	7.1	8.2	8.5	9.0	6.3	6.5	5.8	15.5	14.1	14.3	9.7	7.6	7.7	9.6	7.9	7.1	6.7	5.7	4.6	15.5	8.2
Jan 5	5.9	8.0	7.2	6.5	4.9	5.5	4.8	4.0	4.2	4.8	3.9	3.5	2.9	4.9	4.7	5.1	5.4	5.2	5.8	4.9	2.5	2.7	4.9	3.8	2.5	8.0	4.8
Jan 6	4.3	3.9	6.5	6.2	4.5	5.5	5.7	8.6	10.6	8.4	8.7	9.1	9.5	9.8	12.0	10.3	12.0	11.8	12.3	12.2	10.5	9.8	8.1	11.0	3.9	12.3	8.8
Jan 7	9.6	11.6	13.9	12.3	15.3	17.5	20.0	20.1	17.5	14.9	18.4	18.9	22.8	25.5	19.8	15.0	10.0	15.8	24.1	22.9	19.8	22.5	24.3	20.4	9.6	25.5	18.0
Jan 8	22.5	19.0	13.9	10.3	21.9	21.1	22.2	12.6	17.6	16.2	17.8	20.0	18.8	16.2	14.5	14.9	11.9	6.3	6.8	5.5	6.5	6.3	9.1	7.4	5.5	22.5	14.1
Jan 9	7.9	5.3	7.3	9.8	10.9	8.4	7.7	8.1	10.6	12.1	11.2	11.8	13.1	21.9	22.3	19.2	22.0	22.1	24.0	26.8	23.7	24.3	22.8	17.8	5.3	26.8	15.5
Jan 10	19.0	17.3	25.4	28.7	14.6	3.7	4.5	12.3	12.3	9.2	14.3	19.7	25.9	28.9	25.2	17.6	20.8	17.7	19.8	21.2	18.5	15.2	16.0	17.7	3.7	28.9	17.7
Jan 11	19.9	20.7	16.3	15.0	18.9	22.3	21.0	18.6	12.9	9.3	14.0	11.1	8.7	8.9	7.1	5.8	5.6	1.9	0.5	**0.0**	2.4	5.7	4.3	5.1	**0.0**	22.3	10.7
Jan 12	5.1	4.2	3.2	8.5	6.2	8.7	7.6	11.5	12.2	10.3	11.7	13.0	11.4	13.5	14.3	15.4	14.9	10.5	14.6	13.6	10.9	14.8	15.1	13.3	3.2	15.4	11.0
Jan 13	13.7	15.7	14.8	12.6	15.0	14.5	11.6	15.1	17.8	24.0	35.6	29.8	34.6	33.3	28.4	28.7	26.2	18.4	12.3	13.4	10.9	20.0	14.9	7.4	7.4	35.6	19.5
Jan 14	10.4	13.4	14.8	17.7	21.4	19.8	23.8	23.2	22.6	20.4	18.1	16.0	26.3	34.3	30.3	25.7	24.9	28.5	31.0	30.5	33.3	31.9	30.6	24.8	10.4	34.3	23.9
Jan 15	15.9	15.6	15.8	18.3	18.9	16.4	13.0	5.4	1.5	5.0	4.6	10.3	11.2	12.7	10.1	11.6	14.7	11.4	12.3	12.6	13.7	11.9	10.1	10.1	1.5	18.9	11.8
Jan 16	14.1	16.9	17.3	18.1	15.0	11.7	13.7	19.0	24.9	34.3	**46.0**	P	P	P	P	P	42.0	26.9	25.3	25.1	23.2	24.4	17.4	10.1	10.1	**46.0**	22.4
Jan 17	7.9	X	X	X	X	X	X	X	X	X	X	11.2	21.9	28.3	33.6	34.6	29.3	28.6	25.5	15.5	12.6	6.8	X	X	6.8	34.6	NA
Jan 18	X	X	X	X	X	X	X	X	X	X	11.8	13.6	17.8	13.8	12.2	10.1	9.5	12.1	12.0	10.5	4.3	3.8	2.9	4.0	2.9	17.8	NA
Jan 19	4.9	4.2	5.2	4.8	6.1	7.3	8.7	8.6	8.6	7.1	2.7	0.4	2.2	2.5	4.7	7.6	11.6	11.7	14.3	15.5	16.7	17.8	19.3	22.0	0.4	22.0	8.9
Jan 20	22.9	26.7	28.4	25.0	22.3	22.5	22.4	20.6	18.0	17.5	19.0	20.0	17.9	15.5	14.7	15.7	17.8	14.7	17.7	20.6	16.8	19.1	27.2	27.5	14.7	28.4	20.4
Jan 21	22.6	20.2	22.1	22.2	23.8	21.0	36.4	36.9	37.2	36.3	35.3	40.8	41.7	38.9	37.0	36.2	33.5	25.2	26.9	21.7	20.1	17.0	10.7	9.6	9.6	41.7	**28.1**
Jan 22	6.1	8.2	9.6	13.5	13.4	14.1	5.8	8.8	8.0	8.8	10.5	13.2	12.7	15.6	18.7	K	K	K	K	K	K	K	K	K	5.8	18.7	NA
Jan 23	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	**0.0**	0.0	NA
Jan 24	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	6.6	6.6	8.4	11.7	8.5	8.0	11.4	6.6	11.7	NA
Jan 25	12.7	15.5	15.7	15.1	16.1	15.7	13.3	10.4	8.2	14.0	13.6	14.5	14.5	12.9	15.9	14.2	9.8	11.9	12.4	6.0	10.2	13.2	12.2	12.7	6.0	16.1	12.9
Jan 26	12.0	12.2	15.3	14.3	18.3	16.7	14.4	13.8	16.1	15.7	12.9	9.8	15.4	16.2	17.4	21.5	18.6	19.8	19.9	18.3	19.3	20.8	19.7	18.9	9.8	21.5	16.6
Jan 27	15.0	15.1	16.2	15.4	16.2	15.1	11.8	20.1	21.9	20.2	17.4	13.9	18.7	17.8	19.9	23.8	24.2	29.6	32.9	28.2	12.5	13.7	34.4	27.8	11.8	34.4	20.1
Jan 28	24.0	28.7	22.9	7.4	9.1	13.7	20.0	20.1	14.3	6.4	8.0	10.3	10.7	9.2	6.9	5.7	3.6	4.0	1.4	1.0	2.8	1.5	2.6	5.0	1.0	28.7	10.0
Jan 29	6.6	8.9	11.9	9.5	9.1	8.7	6.7	10.8	12.1	11.5	9.9	13.9	13.6	9.8	10.5	12.1	23.2	34.2	23.4	20.2	27.2	23.5	22.4	19.8	6.6	34.2	15.0
Jan 30	19.6	24.9	16.5	10.9	10.2	13.8	10.0	9.7	11.4	11.8	15.8	19.9	16.3	9.5	10.9	14.3	11.3	10.0	11.4	7.3	10.7	9.2	7.5	6.0	6.0	24.9	12.5
Jan 31	10.0	11.7	17.1	16.8	19.2	19.1	20.0	18.0	16.1	17.4	15.7	17.1	20.7	17.1	23.5	23.8	20.4	22.1	21.9	18.8	19.1	18.6	16.4	17.7	10.0	23.8	18.3
Diurnal Maximum	24.0	28.7	28.4	28.7	23.8	22.5	36.4	36.9	37.2	36.3	46.0	40.8	41.7	38.9	37.0	36.2	42.0	34.2	32.9	30.5	33.3	31.9	34.4	27.8			
Diurnal Average	12.2	13.1	13.4	12.7	13.1	12.9	13.1	13.7	13.7	13.7	14.7	14.2	15.7	15.9	15.8	15.6	16.2	14.8	15.0	14.0	13.3	13.5	14.1	13.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



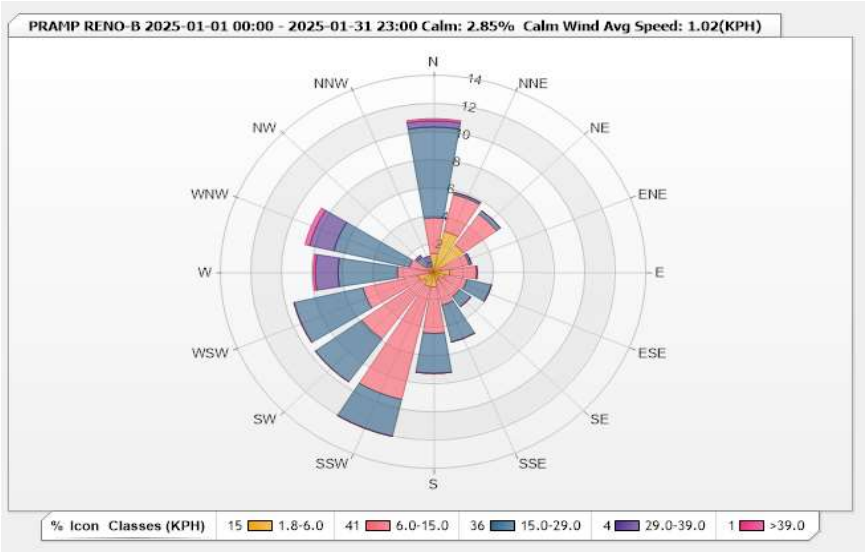


Station: PRAMP RENO-B Monitor: WDS [KPH] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 2.85% Valid Data: 89.65%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.35	2.55	6.45	0.45	0.15	10.95
NNE	3	2.7	0.15	0	0	5.85
NE	2.4	2.7	0.3	0	0	5.4
ENE	0.45	1.95	0.15	0	0	2.55
E	1.05	1.8	0	0	0	2.85
ESE	0.75	1.5	1.65	0	0	3.9
SE	0.45	1.65	0.9	0	0	3
SSE	0.6	1.8	2.7	0	0	5.1
S	1.05	3.3	2.85	0	0	7.2
SSW	1.05	8.25	2.7	0	0	12
SW	0.75	5.1	3.75	0	0	9.6
WSW	1.05	3.75	4.65	0	0	9.45
W	0.15	2.25	3.9	1.5	0.15	7.95
WNW	0.3	1.35	5.1	1.65	0.3	8.7
NW	0.45	0.15	0.75	0.15	0	1.5
NNW	0	0.45	0.3	0.45	0	1.2
Summary	14.85	41.25	36.3	4.2	0.6	97.2



Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

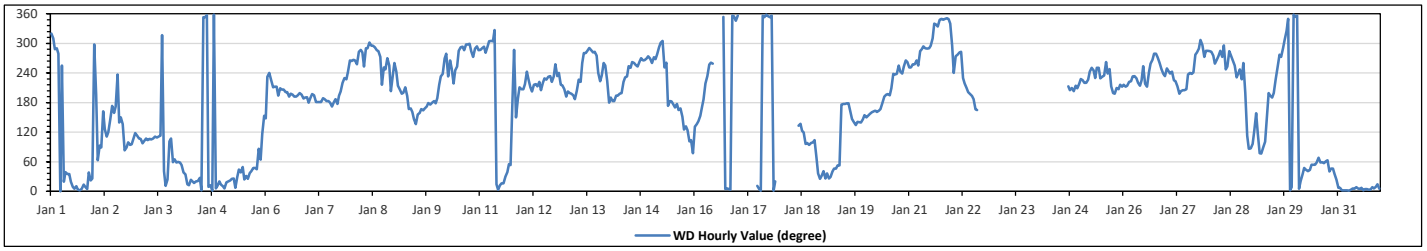
WIND DIRECTION (VWD) in sector

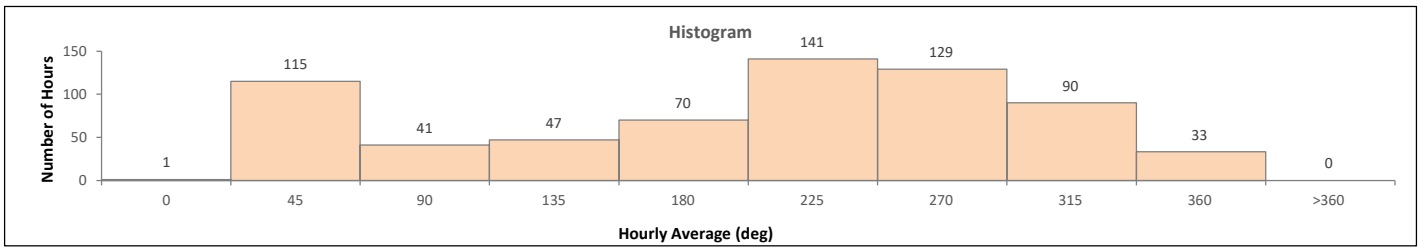
Monthly Average:	254 (WSW) degree	Hours in Service:	744
		Hours of Data:	667
		Hours of Missing Data:	77
		Hours of Calibration:	0
		Operational Uptime:	89.7

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Jan 1	NW	NW	WNW	WNW	W	N	WSW	NNE	NE	NE	NE	NNE	N	N	N	N	N	N	NNE	N	N	NE	NNE	NNE	1	N
Jan 2	WNW	SSW	ENE	E	E	SSE	SE	ESE	ESE	SE	S	SSE	S	SW	SE	SSE	SE	E	E	E	E	E	ESE	ESE	124	ESE
Jan 3	ESE	ESE	ESE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NE	NNE	NNE	E	ESE	ENE	ENE	ENE	ENE	98	E
Jan 4	ENE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	NNE	N	N	N	NNE	NNE	NNE	14	NNE
Jan 5	N	N	NNE	NNE	NNE	NNE	NNE	N	NNE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NE	NE	NE	E	ENE	ESE	SSE	35	NE
Jan 6	SE	SW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	S	SSW	SSW	SSW	S	S	S	200	SSW
Jan 7	S	S	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	WSW	W	197	SSW
Jan 8	W	W	W	WSW	W	WNW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	SW	WSW	WSW	W	WSW	SSW	SW	276	W
Jan 9	WSW	WSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	175	S
Jan 10	S	SW	SW	SW	W	W	SW	W	WSW	SW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	269	W
Jan 11	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	NW	NNE	N	NNE	NNE	NNE	NNE	NE	NE	NE	S	WNW	SSE	S	SSW	SSW	315	NW
Jan 12	SSW	SW	WSW	SW	SSW	SSW	SW	SW	SSW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	WSW	SW	SSW	SSW	223	SW
Jan 13	S	SSW	SSW	SSW	SSW	S	SSW	SW	SW	WSW	W	W	WNW	WNW	WNW	W	W	W	WSW	SW	SW	WSW	WSW	SW	255	WSW
Jan 14	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	W	W	W	W	W	W	W	243	WSW
Jan 15	WSW	W	W	W	WNW	WNW	WNW	WSW	W	S	S	S	S	SSE	S	SSE	SSE	SSE	SE	SE	ESE	E	ESE	ENE	201	SSW
Jan 16	SE	SE	SE	SSE	SSE	S	SW	SW	WSW	W	WSW	P	P	P	P	P	N	N	N	N	N	N	N	NNW	310	NW
Jan 17	N	X	X	X	X	X	X	X	X	X	X	NNE	N	N	N	N	N	N	N	N	N	NNE	X	X	NA	NA
Jan 18	X	X	X	X	X	X	X	X	X	X	SE	SE	ESE	ESE	E	E	E	E	E	ESE	ENE	NE	NNE	NNE	NA	NA
Jan 19	NE	NNE	NE	NNE	NNE	NE	NE	NE	NE	NE	S	S	S	S	S	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	121	ESE
Jan 20	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	W	W	198	SSW
Jan 21	WSW	WSW	WSW	WSW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	N	NNW	N	N	NNW	NNW	303	WNW
Jan 22	WNW	WSW	W	W	W	W	SW	SW	SSW	SSW	SSW	S	S	SSE	SSE	K	K	K	K	K	K	K	K	K	NA	NA
Jan 23	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	NA	NA
Jan 24	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	SSW	SSW	SSW	SSW	SSW	SSW	SW	NA	NA
Jan 25	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	SW	SW	SW	W	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	230	SW
Jan 26	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SSW	SW	WSW	SW	SSW	WSW	WSW	W	W	W	W	W	WSW	SW	SW	240	WSW
Jan 27	WSW	WSW	WSW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	WSW	W	W	WNW	NW	WNW	W	WNW	WNW	252	WSW
Jan 28	WNW	W	W	WSW	W	W	WNW	W	WNW	WSW	WSW	WNW	W	W	WSW	SW	WSW	WSW	SW	WSW	SSW	ESE	E	E	273	W
Jan 29	E	ESE	SSE	ESE	ENE	ENE	E	E	SE	SSW	SSW	S	SSW	SW	WSW	W	W	WNW	NW	NW	N	N	N	N	311	NW
Jan 30	N	N	N	NNE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NNE	40	NE
Jan 31	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NNE	N	5	N

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Reno-B Station - January 2025

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	46.0	kph	on Jan 16 at hr 10	Hours in Service:	744
Maximum Daily Value:	28.1	kph	on Jan 21	Hours of Data:	667
Minimum Hourly Value:	0.0	kph	on Jan 1 at hr 5	Hours of Missing Data:	77
Minimum Daily Value:	2.8	kph	on Jan 1	Hours of Calibration:	0
Monthly Average:	4.8	kph		Operational Uptime:	89.7

WIND DIRECTION

Monthly Average: 254 degree (WSW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3.3	2.8	2.7	2.2	0.8	**0.0**	0.6	1.0	1.6	1.7	2.0	3.5	4.0	4.8	4.7	6.2	7.4	5.4	3.4	2.7	2.7	1.0	2.2	1.6	**0.0**	7.4	**2.8**
	NW	NW	WNW	WNW	W	N	WSW	NNE	NE	NE	NE	NNE	N	N	N	N	N	N	NNE	N	N	NE	NNE	NNE			1(N)
Jan 2	1.0	0.7	1.7	1.5	2.0	2.3	3.5	5.7	5.5	4.3	8.2	10.1	7.7	3.6	5.7	6.7	8.4	3.4	5.4	10.3	11.3	10.9	13.1	16.0	0.7	16.0	6.2
	WNW	SSW	ENE	E	E	SSE	SE	ESE	ESE	SE	S	SSE	S	SW	SE	SSE	SE	E	E	E	E	E	ESE	ESE			124(ESE)
Jan 3	15.8	15.2	14.4	11.8	14.6	18.2	16.6	17.9	18.6	19.7	17.0	16.2	11.4	5.4	2.0	4.5	4.8	5.6	3.2	2.4	4.8	9.3	10.6	8.9	2.0	19.7	11.2
	ESE	ESE	ESE	E	E	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	NW	NE	NNE	NNE	E	ESE	ENE	ENE	ENE	ENE			98(E)
Jan 4	8.0	7.9	7.0	7.2	4.6	5.8	7.1	8.2	8.5	9.0	6.3	6.5	5.8	15.5	14.1	14.3	9.7	7.6	7.7	9.6	7.9	7.1	6.7	5.7	4.6	15.5	8.2
	ENE	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	N	N	NNE	N	N	N	NNE	NNE	NNE			14(NNE)
Jan 5	5.9	8.0	7.2	6.5	4.9	5.5	4.8	4.0	4.2	4.8	3.9	3.5	2.9	4.9	4.7	5.1	5.4	5.2	5.8	4.9	2.5	2.7	4.9	3.8	2.5	8.0	4.8
	N	N	NNE	NNE	NNE	NNE	NNE	N	NNE	NE	NE	NE	NNE	NNE	NNE	NE	NE	NE	NE	NE	E	ENE	ESE	SSE			35(NE)
Jan 6	4.3	3.9	6.5	6.2	4.5	5.5	5.7	8.6	10.6	8.4	8.7	9.1	9.5	9.8	12.0	10.3	12.0	11.8	12.3	12.2	10.5	9.8	8.1	11.0	3.9	12.3	8.8
	SE	SW	WSW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	S	S	SSW	SSW	SSW	S	S	S			200(SSW)
Jan 7	9.6	11.6	13.9	12.3	15.3	17.5	20.0	20.1	17.5	14.9	18.4	18.9	22.8	25.5	19.8	15.0	10.0	15.8	24.1	22.9	19.8	22.5	24.3	20.4	9.6	25.5	18.0
	S	S	SSW	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW	SSW	SW	SW	SW	WSW	W			197(SSW)
Jan 8	22.5	19.0	13.9	10.3	21.9	21.1	22.2	12.6	17.6	16.2	17.8	20.0	18.8	16.2	14.5	14.9	11.9	6.3	6.8	5.5	6.5	6.3	9.1	7.4	5.5	22.5	14.1
	W	W	W	WSW	W	WNW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	SW	WSW	WSW	W	WSW	SSW	SW			276(W)
Jan 9	7.9	5.3	7.3	9.8	10.9	8.4	7.7	8.1	10.6	12.1	11.2	11.8	13.1	21.9	22.3	19.2	22.0	22.1	24.0	26.8	23.7	24.3	22.8	17.8	5.3	26.8	15.5
	WSW	WSW	SSW	SSW	SSW	SSW	SSW	S	SSE	SSE	SSE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S			175(S)
Jan 10	19.0	17.3	25.4	28.7	14.6	3.7	4.5	12.3	12.3	9.2	14.3	19.7	25.9	28.9	25.2	17.6	20.8	17.7	19.8	21.2	18.5	15.2	16.0	17.7	3.7	28.9	17.7
	S	SW	SW	SW	W	W	SW	W	WSW	SW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW			269(W)
Jan 11	19.9	20.7	16.3	15.0	18.9	22.3	21.0	18.6	12.9	9.3	14.0	11.1	8.7	8.9	7.1	5.8	5.6	1.9	0.5	**0.0**	2.4	5.7	4.3	5.1	**0.0**	22.3	10.7
	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	NW	NNE	N	NNE	NNE	NNE	NNE	NE	NE	NE	S	WNW	SSE	S	SSW	SSW			315(NW)
Jan 12	5.1	4.2	3.2	8.5	6.2	8.7	7.6	11.5	12.2	10.3	11.7	13.0	11.4	13.5	14.3	15.4	14.9	10.5	14.6	13.6	10.9	14.8	15.1	13.3	3.2	15.4	11.0
	SSW	SW	WSW	SW	SSW	SSW	SW	SW	SSW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	WSW	SW	SSW	SSW			223(SW)
Jan 13	13.7	15.7	14.8	12.6	15.0	14.5	11.6	15.1	17.8	24.0	35.6	29.8	34.6	33.3	28.4	28.7	26.2	18.4	12.3	13.4	10.9	20.0	14.9	7.4	7.4	35.6	19.5
	S	SSW	SSW	SSW	SSW	S	SSW	SW	SW	WSW	W	W	WNW	WNW	WNW	W	W	W	WSW	SW	SW	WSW	WSW	SW			255(WSW)
Jan 14	10.4	13.4	14.8	17.7	21.4	19.8	23.8	23.2	22.6	20.4	18.1	16.0	26.3	34.3	30.3	25.7	24.9	28.5	31.0	30.5	33.3	31.9	30.6	24.8	10.4	34.3	23.9
	S	S	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	W	WSW	WSW	WSW	W	W	W	W	W	W	W			243(WSW)
Jan 15	15.9	15.6	15.8	18.3	18.9	16.4	13.0	5.4	1.5	5.0	4.6	10.3	11.2	12.7	10.1	11.6	14.7	11.4	12.3	12.6	13.7	11.9	10.1	10.1	1.5	18.9	11.8
	WSW	W	W	W	WNW	WNW	WNW	WSW	W	S	S	S	S	SSE	S	SSE	SSE	SSE	SE	SE	ESE	E	ESE	ENE			201(SSW)
Jan 16	14.1	16.9	17.3	18.1	15.0	11.7	13.7	19.0	24.9	34.3	**46.0**	P	P	P	P	P	42.0	26.9	25.3	25.1	23.2	24.4	17.4	10.1	10.1	**46.0**	22.4
	SE	SE	SE	SSE	SSE	S	SW	SW	WSW	W	WSW	P	P	P	P	P	N	N	N	N	N	N	N	NNW			310(NW)
Jan 17	7.9	X	X	X	X	X	X	X	X	X	X	11.2	21.9	28.3	33.6	34.6	29.3	28.6	25.5	15.5	12.6	6.8	X	X	6.8	34.6	NA
	N	X	X	X	X	X	X	X	X	X	X	NNE	N	N	N	N	N	N	N	N	N	NNE	X	X			NA(NA)
Jan 18	X	X	X	X	X	X	X	X	X	X	11.8	13.6	17.8	13.8	12.2	10.1	9.5	12.1	12.0	10.5	4.3	3.8	2.9	4.0	2.9	17.8	NA
	X	X	X	X	X	X	X	X	X	X	SE	SE	ESE	ESE	E	E	E	E	E	ESE	ENE	NE	NNE	NNE			NA(NA)
Jan 19	4.9	4.2	5.2	4.8	6.1	7.3	8.7	8.6	8.6	7.1	2.7	0.4	2.2	2.5	4.7	7.6	11.6	11.7	14.3	15.5	16.7	17.8	19.3	22.0	0.4	22.0	8.9
	NE	NNE	NE	NNE	NNE	NE	NE	NE	NE	NE	S	S	S	S	S	SSE	SE	SE	SE	SE	SE	SE	SE	SSE			121(ESE)
Jan 20	22.9	26.7	28.4	25.0	22.3	22.5	22.4	20.6	18.0	17.5	19.0	20.0	17.9	15.5	14.7	15.7	17.8	14.7	17.7	20.6	16.8	19.1	27.2	27.5	14.7	28.4	20.4
	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	WSW	WSW	W	W			198(SSW)
Jan 21	22.6	20.2	22.1	22.2	23.8	21.0	36.4	36.9	37.2	36.3	35.3	40.8	41.7	38.9	37.0	36.2	33.5	25.2	26.9	21.7	20.1	17.0	10.7	9.6	9.6	41.7	**28.1**
	WSW	WSW	WSW	WSW	W	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	N	NNW	N	N	NNW	NNW			303(WNW)
Jan 22	6.1	8.2	9.6	13.5	13.4	14.1	5.8	8.8	8.0	8.8	10.5	13.2	12.7	15.6	18.7	K	K	K	K	K	K	K	K	K	5.8	18.7	NA
	WNW	WSW	W	W	W	W	SW	SW	SSW	SSW	SSW	S	S	SSE	SSE	K	K	K	K	K	K	K	K	K			NA(NA)
Jan 23	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	**0.0**	0.0	NA
	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K			NA(NA)
Jan 24	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	6.6	6.6	8.4	11.7	8.5	8.0	11.4	6.6	11.7	NA
	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	SSW	SSW	SSW	SSW	SSW	SSW	SW			NA(NA)
Jan 25	12.7	15.5	15.7	15.1	16.1	15.7	13.3	10.4	8.2	14.0	13.6	14.5	14.5	12.9	15.9	14.2	9.8	11.9	12.4	6.0	10.2	13.2	12.2	12.7	6.0	16.1	12.9
	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	WSW	WSW	SW	SW	SW	W	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SW	SSW			230(SW)
Jan 26	12.0	12.2	15.3	14.3	18.3	16.7	14.4	13.8	16.1	15.7	12.9	9.8	15.4	16.2	17.4	21.5	18.6	19.8	19.9	18.3	19.3	20.8	19.7	18.9	9.8	21.5	16.6
	SW	SSW	SSW	SW	SW	SW	SW	SW	SW	SSW	SW	WSW	SW	SSW	WSW	WSW	W	W	W	W	W	WSW	SW	SW			240(WSW)
Jan 27	15.0	15.1	16.2	15.4	16.2	15.1	11.8	20.1	21.9	20.2	17.4	13.9	18.7	17.8	19.9	23.8	24.2	29.6	32.9	28.2	12.5	13.7	34.4	27.8	11.8	34.4	20.1
	WSW	WSW	WSW	WSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	WSW	W	W	WNW	NW	WNW	W	WNW	WNW			252(WSW)
Jan 28	24.0	28.7	22.9	7.4	9.1	13.7	20.0	20.1	14.3	6.4	8.0	10.3	10.7	9.2	6.9	5.7	3.6	4.0	1.4	1.0	2.8	1.5	2.6	5.0	1.0	28.7	10.0
	WNW	W	W	WSW	W	W	WNW	W	WNW	WSW	WSW	WNW	W	W	WSW	SW	WSW	WSW	SW	WSW	SSW	ESE	E	E			273(W)
Jan 29	6.6	8.9	11.9	9.5	9.1	8.7	6.7	10.8	12.1	11.5	9.9	13.9	13.6	9.8	10.5	12.1	23.2	34.2	23.4	20.2	27.2	23.5	22.4	19.8	6.6	34.2	15.0
	E	ESE	SSE	ESE	ENE	ENE	E	E	SE	SSW	SSW	S	SSW	SW	WSW	W	W	WNW	NW	NW	N	N	N	N			311(NW)
Jan 30	19.6	24.9	16.5	10.9	10.2	13.8	10.0	9.7	11.4	11.8	15.8	19.9	16.3	9.5	10.9	14.3	11.3	10.0	11.4	7.3	10.7	9.2	7.5	6.0	6.0	24.9	12.5
	N	N	N	NNE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	NE	NE	NNE			40(NE)
Jan 31	10.0	11.7	17.1	16.8	19.2	19.1	20.0	18.0	16.1	17.4	15.7	17.1	20.7	17.1	23.5	23.8	20.4	22.1	21.9	18.8	19.1	18.6	16.4	17.7	10.0	23.8	18.3
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	NNE	N			5(N)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

PRC STATION

Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

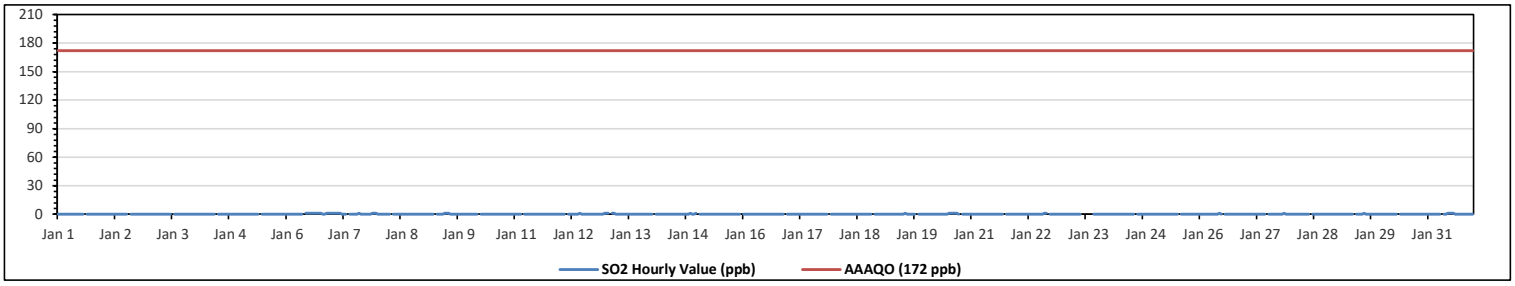
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

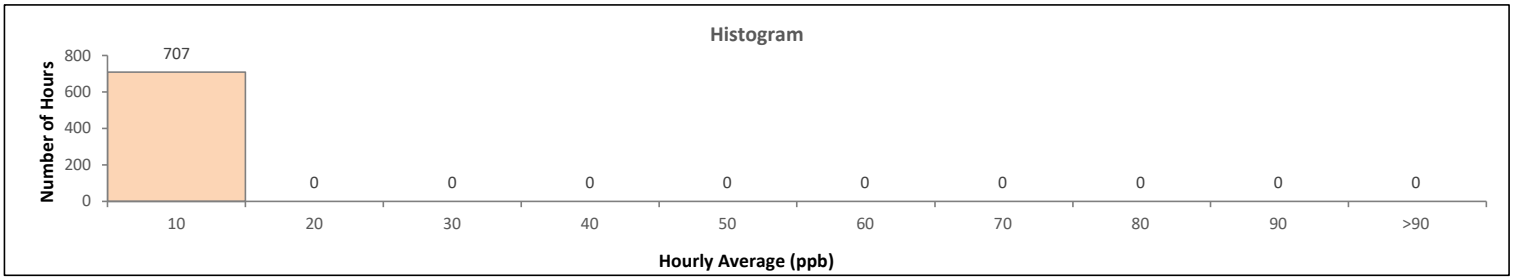
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0	30-Day Exceedence:	0		
Maximum Hourly Value:	1 ppb	on Jan 6 at hr 10		Hours in Service:	744		
Maximum Daily Value:	0.5 ppb	on Jan 6		Hours of Data:	707		
Minimum Hourly Value:	0 ppb	on Jan 1 at hr 0		Hours of Missing Data:	0		
Minimum Daily Value:	0.0 ppb	on Jan 1		Hours of Calibration:	37		
Monthly Average:	0.1 ppb			Operational Uptime:	100.0		

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	S	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	0.5
Jan 7	1	1	1	1	1	0	0	0	S	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	1	0.4
Jan 8	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 9	0	0	0	0	0	0	S	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Jan 10	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.1
Jan 13	1	1	S	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Jan 14	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0.1
Jan 15	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Jan 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	0	0	0	1	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	S	0	0	0	0	0	0	1	0.2
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	S	0	0	0	0	0	0	0	0	1	0.1
Jan 23	0	0	0	0	0	0	0	0	0	0	C	C	C	C	C	S	0	0	0	0	0	0	0	0	0	0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	1	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 29	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 30	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 31	0	0	0	0	0	0	0	S	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Diurnal Maximum	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1			
Diurnal Average	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



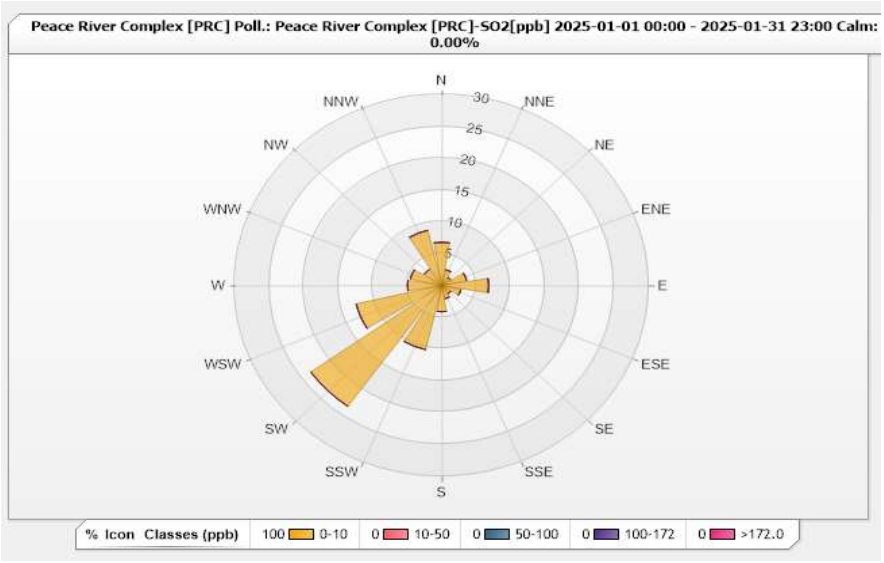


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	6.79	0	0	0	0	6.79
NNE	2.55	0	0	0	0	2.55
NE	1.56	0	0	0	0	1.56
ENE	3.68	0	0	0	0	3.68
E	6.79	0	0	0	0	6.79
ESE	2.83	0	0	0	0	2.83
SE	1.56	0	0	0	0	1.56
SSE	2.12	0	0	0	0	2.12
S	4.1	0	0	0	0	4.1
SSW	10.33	0	0	0	0	10.33
SW	23.34	0	0	0	0	23.34
WSW	12.73	0	0	0	0	12.73
W	4.95	0	0	0	0	4.95
WNW	4.67	0	0	0	0	4.67
NW	3.11	0	0	0	0	3.11
NNW	8.91	0	0	0	0	8.91
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

HYDROGEN SULPHIDE (H_2S) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 10 ppb, 24-Hour 3 ppb

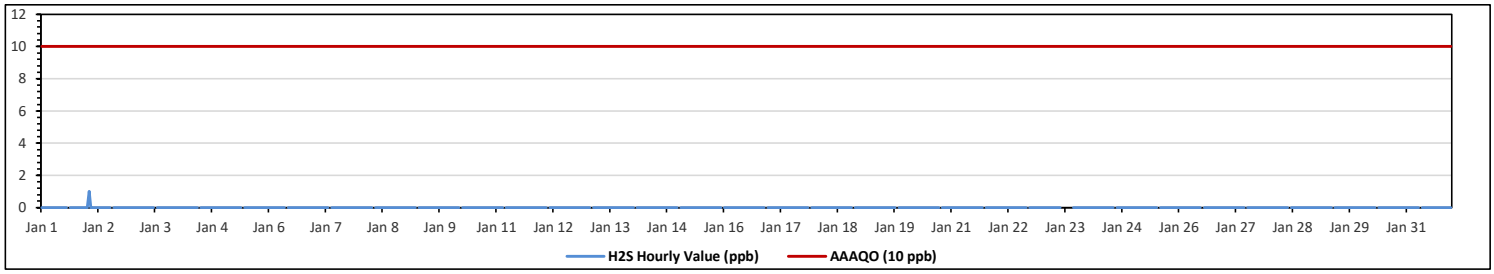
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0	
Maximum Hourly Value:	1	ppb	on Jan 2 at hr 1	Hours in Service:	744
Maximum Daily Value:	0.0	ppb	on Jan 1	Hours of Data:	707
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.0	ppb	on Jan 1	Hours of Calibration:	37
Monthly Average:	0.0	ppb		Operational Uptime:	100.0

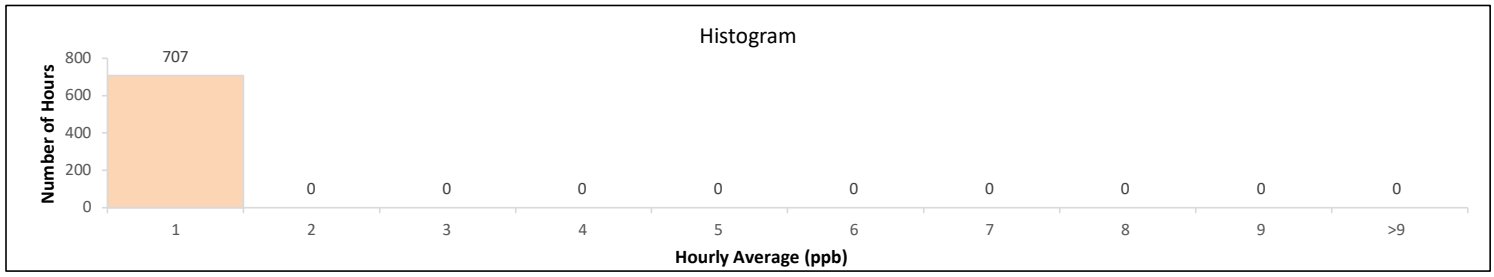
Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	0	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 7	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 8	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 9	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 10	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 13	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 14	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 15	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Jan 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0.0
Jan 21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0.0
Jan 23	0	0	0	0	0	0	0	0	0	0	C	C	C	C	C	S	0	0	0	0	0	0	0	0	0	0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 29	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 30	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 31	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



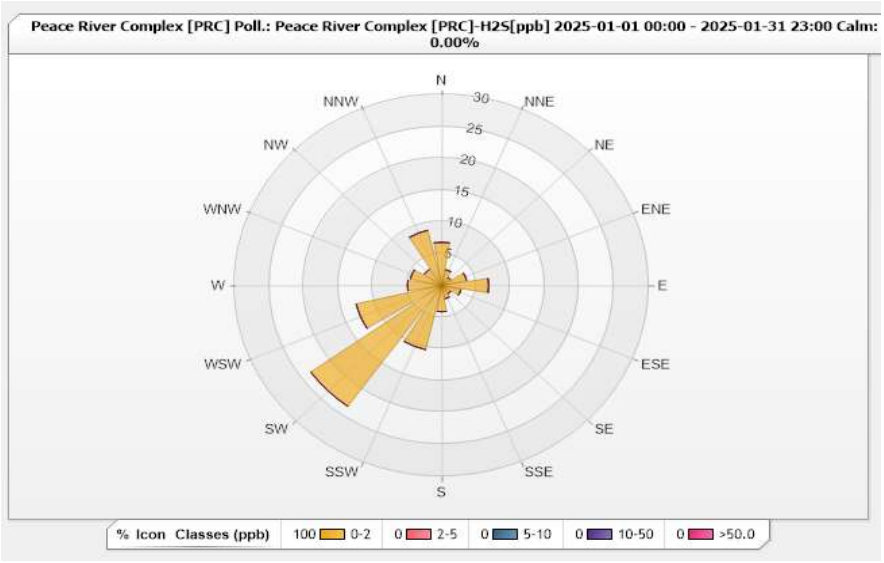


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	6.79	0	0	0	0	6.79
NNE	2.55	0	0	0	0	2.55
NE	1.56	0	0	0	0	1.56
ENE	3.68	0	0	0	0	3.68
E	6.79	0	0	0	0	6.79
ESE	2.83	0	0	0	0	2.83
SE	1.56	0	0	0	0	1.56
SSE	2.12	0	0	0	0	2.12
S	4.1	0	0	0	0	4.1
SSW	10.33	0	0	0	0	10.33
SW	23.34	0	0	0	0	23.34
WSW	12.73	0	0	0	0	12.73
W	4.95	0	0	0	0	4.95
WNW	4.67	0	0	0	0	4.67
NW	3.11	0	0	0	0	3.11
NNW	8.91	0	0	0	0	8.91
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

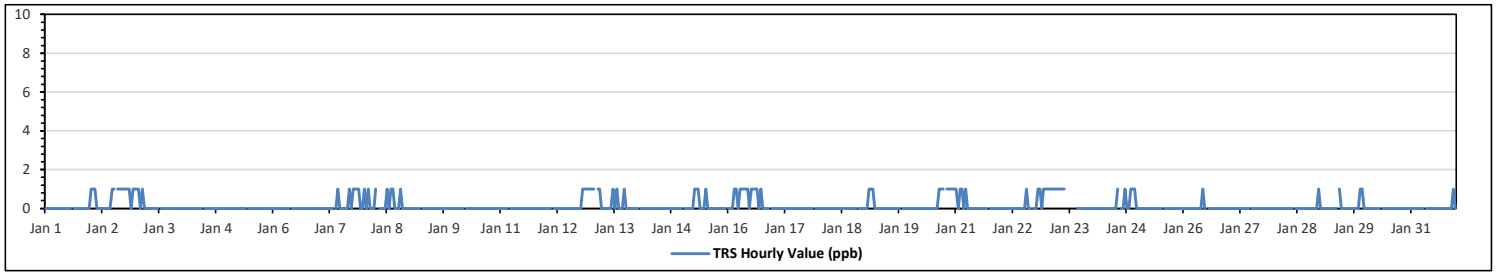
TOTAL REDUCED SULPHUR (TRS) in ppb

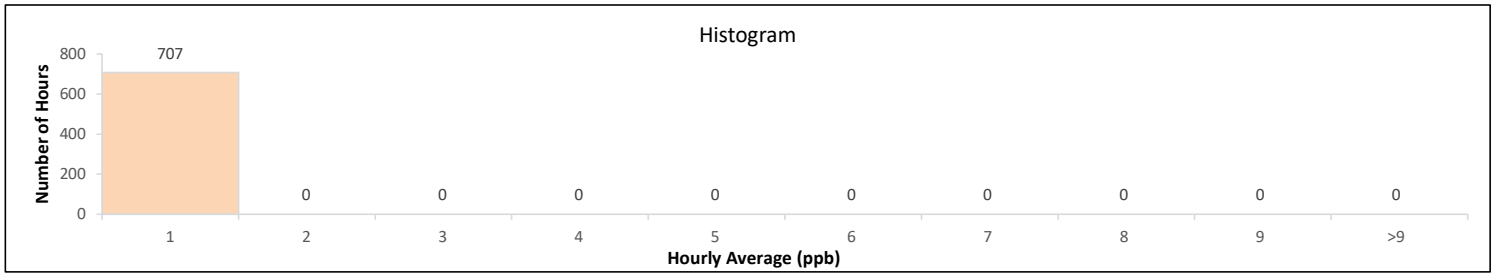
Maximum Hourly Value:	1	ppb	on Jan 2 at hr 0	Hours in Service:	744	
Maximum Daily Value:	0.6	ppb	on Jan 2	Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Jan 1	Hours of Calibration:	37	
Monthly Average:	0.1	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	1	1	1	0	0	0	0	0	0	0	0	1	1	S	1	1	1	1	1	1	1	0	1	1	0	1	**0.6**
Jan 3	1	1	0	1	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Jan 4	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 6	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 7	0	0	0	0	0	0	0	0	S	0	1	0	0	0	0	0	1	0	1	1	1	1	0	0	0	1	0.3
Jan 8	1	0	1	0	0	0	1	S	0	0	0	0	1	0	1	1	0	0	0	1	0	0	0	0	0	1	0.3
Jan 9	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 10	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0.2
Jan 13	1	1	S	1	1	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0.3
Jan 14	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 15	S	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	1	0.2
Jan 16	0	0	0	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	0	0	0	0	S	0	0	1	0.5
Jan 17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0.0
Jan 19	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	1	0.1
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	S	1	1	1	1	1	0	1	0.3
Jan 21	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.2
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	1	1	0	1	1	0	1	0.2
Jan 23	1	1	1	1	1	1	1	1	1	1	C	C	C	C	C	S	0	0	0	0	0	0	0	0	0	1	0.6
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	1	S	0	0	1	0	0	1	1	1	0	0	1	0.2
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	1	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.0
Jan 29	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0.1
Jan 30	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 31	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0.0
Diurnal Maximum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Diurnal Average	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

Maximum 30-Minute Value:	1 ppb	on Jan 2 at 00:00	# of Instrument in Service	1488
Maximum Daily Value:	1.0 ppb	on Jan 2	# of Valid Measurements	1415
Minimum 30-Minute Value:	0 ppb	Jan 1 at 00:00	# of Missing Measurements:	0
Minimum Daily Value:	0.0 ppb	on Jan 1	# of Calibration:	73
Monthly Average:	0.2 ppb		Operational Uptime:	100.0

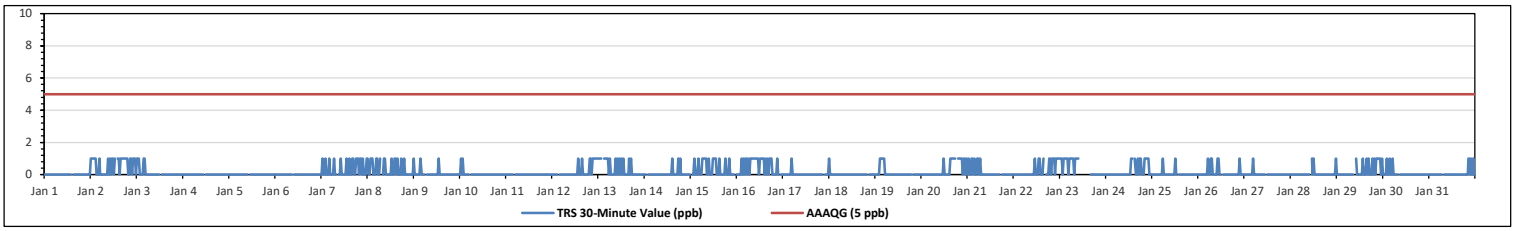
30-Minute Period Starting at (MST)

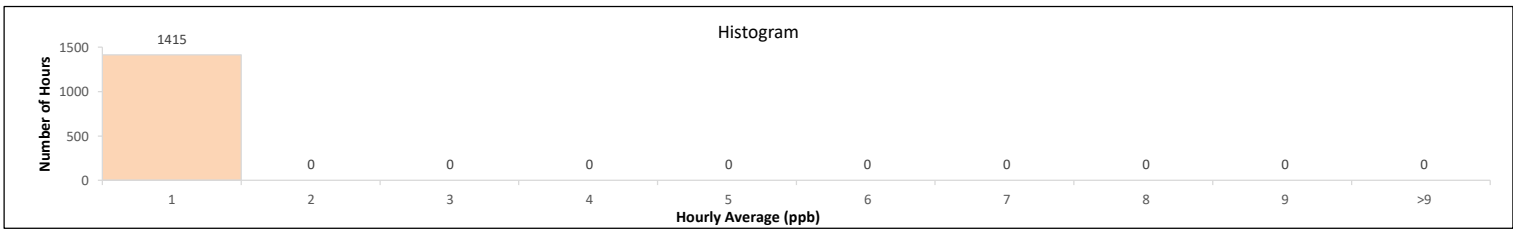
Day	Jan 1	Jan 2	Jan 3	Jan 4	Jan 5	Jan 6	Jan 7	Jan 8	Jan 9	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Diurnal Maximum	Diurnal Average
00:00	0	1	1	0	0	0	0	1	1	0	0	0	1	0	S	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.2
00:30	0	1	1	0	0	0	1	0	0	1	0	0	1	0	S	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0.2
01:00	0	1	1	0	0	0	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.1
01:30	0	1	0	0	0	0	0	1	0	1	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
02:00	0	1	0	0	0	0	1	1	0	0	0	0	S	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0.2
02:30	0	1	0	0	0	0	0	1	0	0	0	0	S	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0.2
03:00	0	0	0	0	0	0	0	0	0	0	0	S	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0.1
03:30	0	0	1	0	0	0	0	0	1	0	0	S	1	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	1	0.3
04:00	0	0	1	0	0	0	1	0	0	0	S	0	1	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	0.2
04:30	0	1	0	0	0	0	0	1	0	0	S	0	1	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0.2
05:00	0	0	0	0	0	0	0	1	0	S	0	0	1	0	0	1	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	1	0.2
05:30	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0.1
06:00	0	0	0	0	0	0	0	0	S	0	0	0	1	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.1
06:30	0	0	0	0	0	0	1	1	S	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0.2
07:00	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	S	1	0.1
07:30	0	0	0	0	0	0	0	S	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	1	0.1
08:00	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	S	0	1	0.1
08:30	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	S	0	1	0.1
09:00	0	1	0	0	0	S	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	1	0.2
09:30	0	0	0	0	0	S	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	S	0	0	1	0.1
10:00	0	1	0	0	S	0	1	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	C	0	0	1	0	S	1	0	0	1	0.2
10:30	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	C	0	0	1	0	S	0	0	0	1	0.1
11:00	0	1	0	S	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	C	0	0	0	S	1	0	0	0	1	0.2
11:30	0	1	0	S	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	C	0	0	0	S	0	0	0	0	1	0.1
12:00	0	0	S	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	C	0	1	S	0	1	0	0	0	1	0.2
12:30	0	1	S	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	C	0	0	S	0	0	0	0	0	1	0.1
13:00	0	S	0	0	0	0	1	0	1	0	0	0	1	0	1	1	0	0	0	0	0	1	C	1	S	0	0	0	0	0	0	1	0.3
13:30	0	S	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	C	1	S	0	0	0	1	0	0	1	0.2
14:00	S	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	C	S	0	0	0	0	0	0	0	1	0.1
14:30	S	1	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	1	0.1
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	S	1	0	0	0	0	0	0	0	1	0.1
15:30	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	1	0	0	1	0.2
16:00	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	0	1	0	S	0	0	0	0	0	0	0	0	0	1	0.2
16:30	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	S	0	1	0	0	0	0	1	0	0	1	0.2
17:00	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	1	0.1
17:30	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1	S	0	0	1	0	0	0	0	0	0	0	1	0.2
18:00	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	S	0	0	0	1	0	0	0	0	0	0	0	1	0.2
18:30	0	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	S	0	1	0	0	0	0	0	0	1	0	0	1	0.2
19:00	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	S	1	0	1	0	0	0	0	0	0	0	0	0	1	0.2
19:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	S	1	0	0	0	0	0	0	0	0	1	0	0	1	0.1
20:00	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	0	S	0	1	0	1	0	1	0	0	0	0	0	0	0	1	0.2
20:30	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	S	0	1	0	1	0	1	0	0	0	0	1	0	1	1	0.2
21:00	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	S	0	0	1	0	1	0	1	0	0	0	0	1	0	1	1	0.3
21:30	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	S	0	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0.2
22:00	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	1	0.2
22:30	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	S	0	0	0	1	0	1	0	1	0	0	0	0	1	0	0	1	0.2
23:00	0	1	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0.1
23:30	0	0	0	0	0	0	1	0	0	0	0	1	0	0	S	0	0	0	0	1	0	1	0	0	0	0	0	1	1	0	0	1	0.2
Minimum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Maximum	0	1	1	0	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Average	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	P	Power Failure	X	InValid Data (Equipment Malfunction /Recovery)
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)		

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



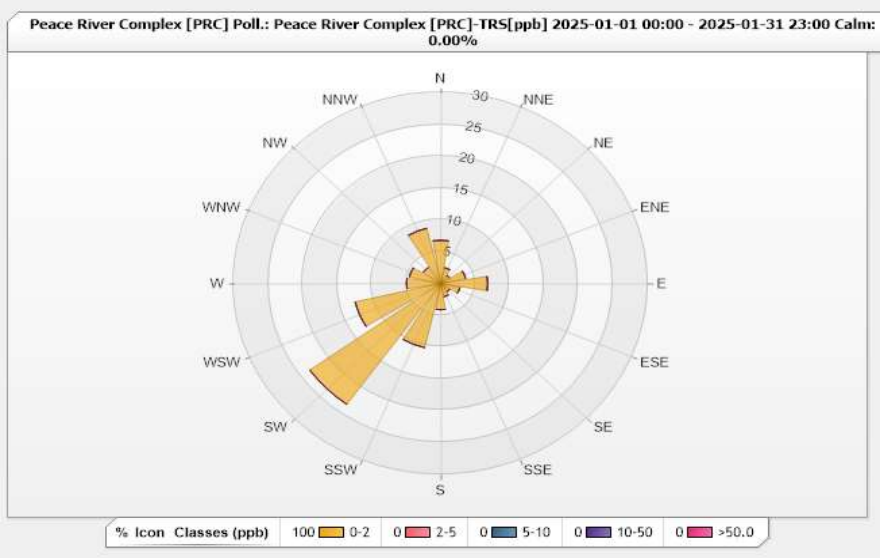


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	6.79	0	0	0	0	6.79
NNE	2.55	0	0	0	0	2.55
NE	1.56	0	0	0	0	1.56
ENE	3.68	0	0	0	0	3.68
E	6.79	0	0	0	0	6.79
ESE	2.83	0	0	0	0	2.83
SE	1.56	0	0	0	0	1.56
SSE	2.12	0	0	0	0	2.12
S	4.1	0	0	0	0	4.1
SSW	10.33	0	0	0	0	10.33
SW	23.34	0	0	0	0	23.34
WSW	12.73	0	0	0	0	12.73
W	4.95	0	0	0	0	4.95
WNW	4.67	0	0	0	0	4.67
NW	3.11	0	0	0	0	3.11
NNW	8.91	0	0	0	0	8.91
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

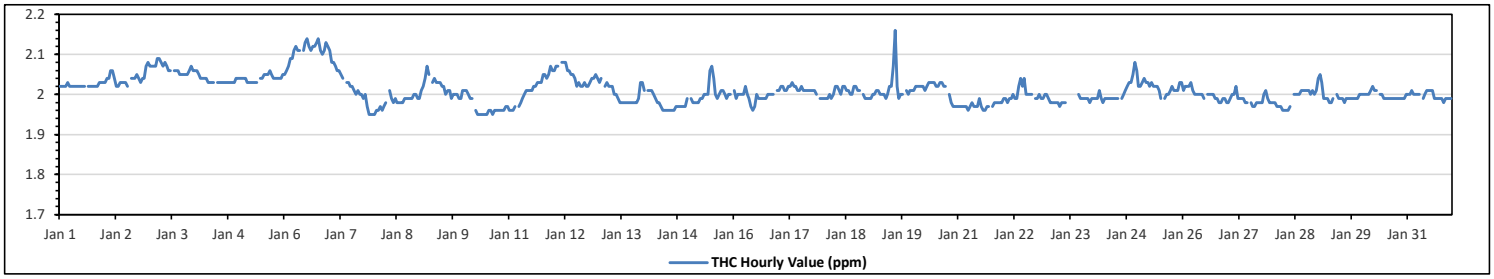
TOTAL HYDROCARBONS (THC) in ppm

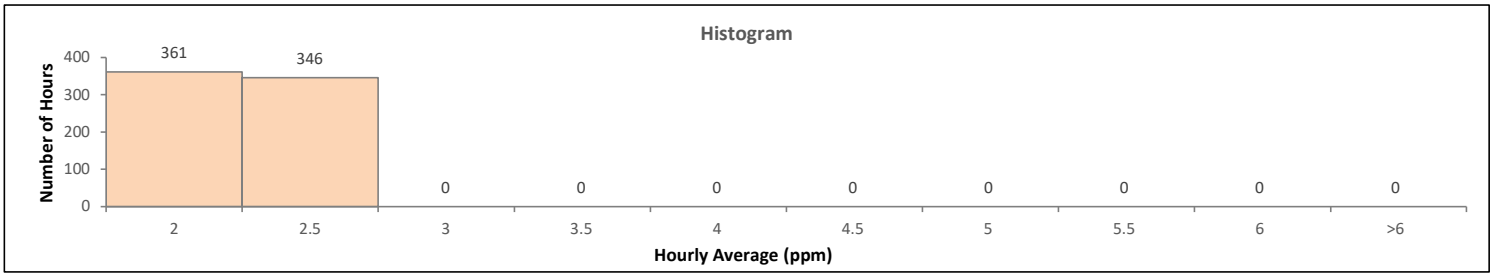
Maximum Hourly Value:	2.16	ppm	on Jan 19 at hr 14	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on Jan 6	Hours of Data:	707
Minimum Hourly Value:	1.95	ppm	on Jan 7 at hr 21	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Jan 10	Hours of Calibration:	37
Monthly Average:	2.01	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.02	2.03	2.02
Jan 2	2.03	2.04	2.04	2.06	2.06	2.04	2.02	2.02	2.03	2.03	2.03	2.03	2.02	S	2.04	2.04	2.04	2.05	2.04	2.03	2.04	2.04	2.07	2.08	2.02	2.08	2.04
Jan 3	2.07	2.07	2.07	2.07	2.09	2.09	2.08	2.07	2.08	2.07	2.06	2.06	S	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.06	2.05	2.09	2.07
Jan 4	2.06	2.06	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.03	S	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.03	2.06	2.04
Jan 5	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	S	2.04	2.04	2.05	2.05	2.05	2.06	2.05	2.04	2.04	2.04	2.04	2.04	2.05	2.03	2.06	2.04
Jan 6	2.05	2.06	2.07	2.09	2.09	2.11	2.12	2.11	2.11	S	2.11	2.13	2.14	2.12	2.11	2.12	2.12	2.13	2.14	2.11	2.10	2.11	2.13	2.12	2.05	2.14	**2.11**
Jan 7	2.11	2.08	2.08	2.07	2.06	2.06	2.05	2.04	S	2.03	2.03	2.02	2.02	2.01	2.00	2.01	2.00	2.00	1.99	2.00	1.97	1.95	1.95	1.95	1.95	2.11	2.02
Jan 8	1.95	1.96	1.96	1.97	1.96	1.97	1.98	S	2.01	1.99	1.98	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.95	2.01	1.98
Jan 9	1.99	2.01	2.02	2.04	2.07	2.05	S	2.03	2.04	2.03	2.03	2.03	2.02	2.02	2.00	2.01	2.01	1.99	2.00	2.00	2.00	1.99	1.99	2.01	1.99	2.07	2.02
Jan 10	2.01	2.01	2.00	1.99	1.99	S	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.95	2.01	1.97
Jan 11	1.96	1.96	1.96	1.97	S	1.97	1.98	1.99	2.00	2.01	2.01	2.01	2.01	2.02	2.02	2.03	2.03	2.03	2.05	2.05	2.04	2.05	2.07	2.06	1.96	2.07	2.01
Jan 12	2.06	2.07	2.07	S	2.08	2.08	2.08	2.06	2.06	2.05	2.05	2.04	2.02	2.03	2.02	2.02	2.03	2.02	2.02	2.03	2.04	2.04	2.05	2.04	2.02	2.08	2.05
Jan 13	2.03	2.04	S	2.02	2.03	2.02	2.02	2.02	2.00	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.03	2.03	1.98	2.04	2.00
Jan 14	2.01	S	2.01	2.01	2.01	2.00	1.99	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.99	1.96	2.01	1.98
Jan 15	S	1.99	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	2.00	2.06	2.07	2.04	2.00	1.99	2.00	2.01	2.01	2.00	1.99	2.00	2.00	S	1.98	2.07	2.00
Jan 16	2.01	1.99	2.00	2.00	2.00	2.00	2.02	2.00	1.99	1.97	1.96	1.97	2.00	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	S	2.01	1.96	2.02	1.99
Jan 17	2.01	2.02	2.02	2.01	2.01	2.02	2.02	2.03	2.02	2.02	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	S	1.99	1.99	1.99	2.03	2.01
Jan 18	1.99	1.99	1.99	2.00	1.99	2.00	2.02	2.02	2.01	2.00	2.02	2.02	2.01	2.01	2.00	2.00	2.02	2.02	2.01	2.01	S	2.00	1.99	1.99	1.99	2.02	2.00
Jan 19	1.99	1.99	2.00	2.00	2.01	2.01	2.00	2.00	2.00	1.99	2.00	2.02	2.02	2.07	**2.16**	2.02	1.99	2.00	2.00	S	2.01	2.00	2.01	2.01	1.99	**2.16**	2.01
Jan 20	2.01	2.02	2.02	2.02	2.02	2.02	2.01	2.02	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.02	2.02	S	2.00	1.98	1.97	1.97	1.97	1.97	2.03	2.01
Jan 21	1.97	1.97	1.97	1.97	1.97	1.96	1.97	1.98	1.97	1.97	1.97	1.99	1.97	1.96	1.96	1.97	1.97	S	1.97	1.98	1.98	1.98	1.98	1.98	1.96	1.99	1.97
Jan 22	1.99	1.99	1.98	1.99	1.99	2.00	1.99	1.99	2.02	2.04	2.02	2.04	2.00	2.00	2.00	2.00	S	1.99	1.99	2.00	1.99	1.99	2.00	2.00	1.98	2.04	2.00
Jan 23	1.99	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.98	1.98	C	C	C	C	C	S	2.00	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.97	2.00	1.98
Jan 24	1.99	1.99	1.99	2.01	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	2.00	2.01	2.02	2.03	2.03	2.05	2.08	2.06	1.98	2.08	2.01
Jan 25	2.02	2.02	2.03	2.04	2.03	2.03	2.02	2.03	2.02	2.02	2.02	2.01	1.99	S	1.99	2.00	2.00	2.01	2.02	2.01	2.01	2.01	2.03	2.03	1.99	2.04	2.02
Jan 26	2.01	2.02	2.02	2.02	2.03	2.01	2.00	2.00	2.00	2.00	2.00	1.99	S	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.99	1.99	1.98	1.98	2.03	2.00
Jan 27	1.98	1.99	2.00	2.00	2.02	1.99	1.99	1.99	1.99	1.98	1.98	S	1.98	1.97	1.97	1.98	1.98	1.98	1.98	2.00	2.01	1.99	1.98	1.98	1.97	2.02	1.99
Jan 28	1.98	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.97	S	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.00	2.01	1.96	2.01	1.99
Jan 29	2.04	2.05	2.03	1.99	1.99	1.99	1.98	1.98	1.99	S	2.00	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	1.98	2.05	2.00
Jan 30	2.00	2.00	2.00	2.00	2.01	2.02	2.01	2.01	S	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.02	2.00
Jan 31	2.00	2.00	2.01	2.00	2.00	2.00	2.00	S	1.99	2.00	2.01	2.01	2.01	2.01	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.98	2.01	2.00
Diurnal Maximum	2.11	2.08	2.08	2.09	2.09	2.11	2.12	2.11	2.11	2.07	2.11	2.13	2.14	2.12	2.16	2.12	2.12	2.13	2.14	2.11	2.10	2.11	2.13	2.12			
Diurnal Average	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



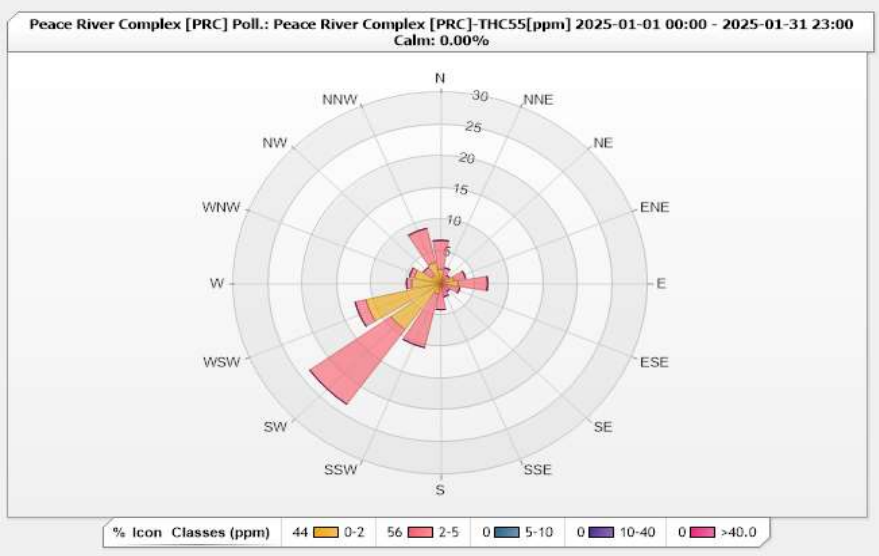


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	2.26	4.53	0	0	0	6.79
NNE	0.57	1.98	0	0	0	2.55
NE	0.14	1.41	0	0	0	1.55
ENE	1.98	1.7	0	0	0	3.68
E	2.55	4.24	0	0	0	6.79
ESE	0.57	2.26	0	0	0	2.83
SE	0.28	1.27	0	0	0	1.55
SSE	0.57	1.56	0	0	0	2.13
S	0.28	3.82	0	0	0	4.1
SSW	1.7	8.63	0	0	0	10.33
SW	8.91	14.43	0	0	0	23.34
WSW	11.17	1.56	0	0	0	12.73
W	4.24	0.71	0	0	0	4.95
WNW	3.96	0.71	0	0	0	4.67
NW	1.56	1.56	0	0	0	3.12
NNW	3.39	5.52	0	0	0	8.91
Summary	44.13	55.89	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

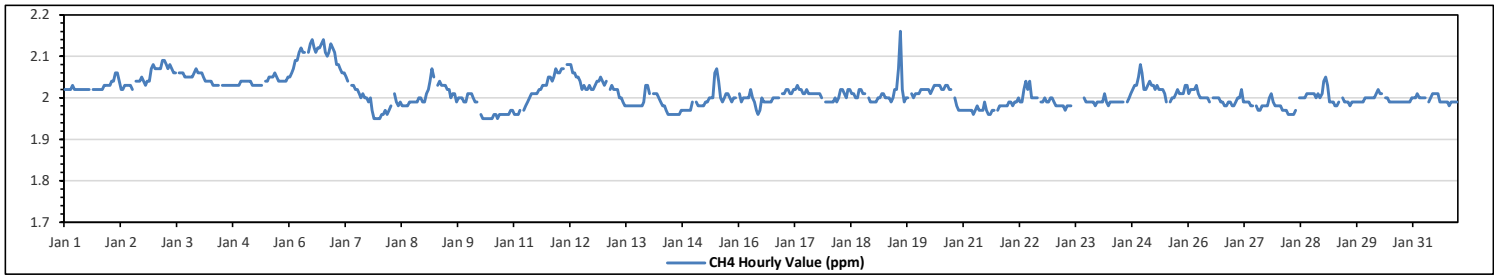
METHANE (CH4) in ppm

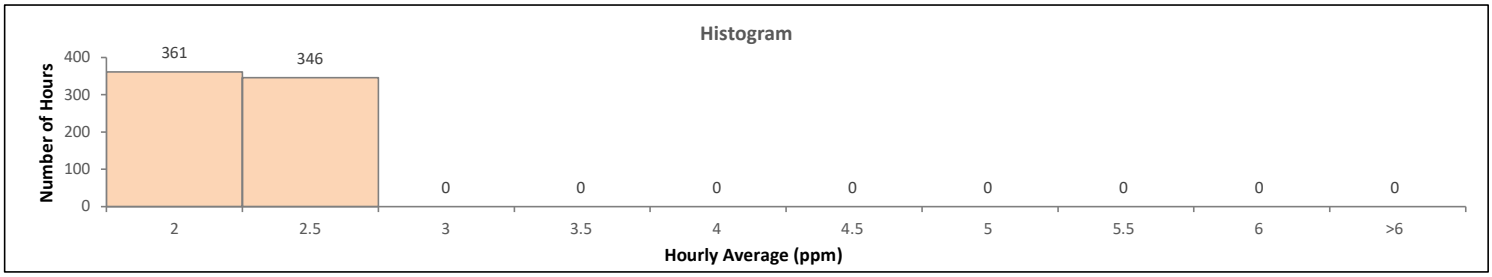
Maximum Hourly Value:	2.16	ppm	on Jan 19 at hr 14	Hours in Service:	744
Maximum Daily Value:	2.11	ppm	on Jan 6	Hours of Data:	707
Minimum Hourly Value:	1.95	ppm	on Jan 7 at hr 21	Hours of Missing Data:	0
Minimum Daily Value:	1.97	ppm	on Jan 10	Hours of Calibration:	37
Monthly Average:	2.01	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.02	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	S	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.02	2.03	2.02
Jan 2	2.03	2.04	2.04	2.06	2.06	2.04	2.02	2.02	2.03	2.03	2.03	2.03	2.02	S	2.04	2.04	2.04	2.05	2.04	2.03	2.04	2.04	2.07	2.08	2.02	2.08	2.04
Jan 3	2.07	2.07	2.07	2.07	2.09	2.09	2.08	2.07	2.08	2.07	2.06	2.06	S	2.06	2.06	2.06	2.05	2.05	2.05	2.05	2.05	2.06	2.07	2.06	2.05	2.09	2.07
Jan 4	2.06	2.06	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.03	S	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04	2.03	2.06	2.04
Jan 5	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.03	S	2.04	2.04	2.05	2.05	2.05	2.06	2.05	2.04	2.04	2.04	2.04	2.04	2.05	2.03	2.06	2.04
Jan 6	2.05	2.06	2.07	2.09	2.09	2.11	2.12	2.11	2.11	S	2.11	2.13	2.14	2.12	2.11	2.12	2.12	2.13	2.14	2.11	2.10	2.11	2.13	2.12	2.05	2.14	**2.11**
Jan 7	2.11	2.08	2.08	2.07	2.06	2.06	2.05	2.04	S	2.03	2.03	2.02	2.02	2.01	2.00	2.01	2.00	2.00	1.99	2.00	1.97	1.95	1.95	1.95	1.95	2.11	2.02
Jan 8	1.95	1.96	1.96	1.97	1.96	1.97	1.98	S	2.01	1.99	1.98	1.99	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	1.99	2.00	2.00	1.99	1.95	2.01	1.98
Jan 9	1.99	2.01	2.02	2.04	2.07	2.05	S	2.03	2.04	2.03	2.03	2.03	2.02	2.02	2.00	2.01	2.01	1.99	2.00	2.00	2.00	1.99	1.99	2.01	1.99	2.07	2.02
Jan 10	2.01	2.01	2.00	1.99	1.99	S	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.95	2.01	1.97
Jan 11	1.96	1.96	1.96	1.97	S	1.97	1.98	1.99	2.00	2.01	2.01	2.01	2.01	2.02	2.02	2.03	2.03	2.03	2.05	2.05	2.04	2.05	2.07	2.06	1.96	2.07	2.01
Jan 12	2.06	2.07	2.07	S	2.08	2.08	2.08	2.06	2.06	2.05	2.05	2.04	2.02	2.03	2.02	2.02	2.03	2.02	2.02	2.03	2.04	2.04	2.05	2.04	2.02	2.08	2.05
Jan 13	2.03	2.04	S	2.02	2.03	2.02	2.02	2.02	2.00	2.00	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	2.03	2.03	1.98	2.04	2.00
Jan 14	2.01	S	2.01	2.01	2.01	2.00	1.99	1.98	1.98	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97	1.97	1.99	1.96	2.01	1.98
Jan 15	S	1.99	1.98	1.98	1.98	1.98	1.99	1.99	2.00	2.00	2.00	2.06	2.07	2.04	2.00	1.99	2.00	2.01	2.01	2.00	1.99	2.00	2.00	S	1.98	2.07	2.00
Jan 16	2.01	1.99	2.00	2.00	2.00	2.00	2.02	2.00	1.99	1.97	1.96	1.97	2.00	1.99	1.99	1.99	1.99	1.99	2.00	2.00	2.00	2.00	S	2.01	1.96	2.02	1.99
Jan 17	2.01	2.02	2.02	2.01	2.01	2.02	2.02	2.03	2.02	2.02	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.00	S	1.99	1.99	1.99	2.03	2.01
Jan 18	1.99	1.99	1.99	2.00	1.99	2.00	2.02	2.02	2.01	2.00	2.02	2.02	2.01	2.01	2.00	2.00	2.02	2.02	2.01	2.01	S	2.00	1.99	1.99	1.99	2.02	2.00
Jan 19	1.99	1.99	2.00	2.00	2.01	2.01	2.00	2.00	2.00	1.99	2.00	2.02	2.02	2.07	**2.16**	2.02	1.99	2.00	2.00	S	2.01	2.00	2.01	2.01	1.99	**2.16**	2.01
Jan 20	2.01	2.02	2.02	2.02	2.02	2.02	2.01	2.02	2.03	2.03	2.03	2.03	2.02	2.02	2.03	2.03	2.02	2.02	S	2.00	1.98	1.97	1.97	1.97	1.97	2.03	2.01
Jan 21	1.97	1.97	1.97	1.97	1.97	1.96	1.97	1.98	1.97	1.97	1.97	1.99	1.97	1.96	1.96	1.97	1.97	S	1.97	1.98	1.98	1.98	1.98	1.98	1.96	1.99	1.97
Jan 22	1.99	1.99	1.98	1.99	1.99	2.00	1.99	1.99	2.02	2.04	2.02	2.04	2.00	2.00	2.00	2.00	S	1.99	1.99	2.00	1.99	1.99	2.00	2.00	1.98	2.04	2.00
Jan 23	1.99	1.98	1.98	1.98	1.98	1.98	1.97	1.98	1.98	1.98	C	C	C	C	C	S	2.00	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.97	2.00	1.98
Jan 24	1.99	1.99	1.99	2.01	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	S	1.99	2.00	2.01	2.02	2.03	2.03	2.05	2.08	2.06	1.98	2.08	2.01
Jan 25	2.02	2.02	2.03	2.04	2.03	2.03	2.02	2.03	2.02	2.02	2.02	2.01	1.99	S	1.99	2.00	2.00	2.01	2.02	2.01	2.01	2.01	2.03	2.03	1.99	2.04	2.02
Jan 26	2.01	2.02	2.02	2.02	2.03	2.01	2.00	2.00	2.00	2.00	2.00	1.99	S	2.00	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.99	1.99	1.98	1.98	2.03	2.00
Jan 27	1.98	1.99	2.00	2.00	2.02	1.99	1.99	1.99	1.99	1.98	1.98	S	1.98	1.97	1.97	1.98	1.98	1.98	1.98	2.00	2.01	1.99	1.98	1.98	1.97	2.02	1.99
Jan 28	1.98	1.98	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.97	S	2.00	2.00	2.00	2.00	2.01	2.01	2.01	2.01	2.01	2.00	2.01	2.00	2.01	1.96	2.01	1.99
Jan 29	2.04	2.05	2.03	1.99	1.99	1.99	1.98	1.98	1.99	S	2.00	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	2.00	1.98	2.05	2.00
Jan 30	2.00	2.00	2.00	2.00	2.01	2.02	2.01	2.01	S	2.00	2.00	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	2.00	1.99	2.02	2.00
Jan 31	2.00	2.00	2.01	2.00	2.00	2.00	2.00	S	1.99	2.00	2.01	2.01	2.01	2.01	1.99	1.99	1.99	1.99	1.99	1.98	1.99	1.99	1.99	1.99	1.98	2.01	2.00
Diurnal Maximum	2.11	2.08	2.08	2.09	2.09	2.11	2.12	2.11	2.11	2.07	2.11	2.13	2.14	2.12	2.16	2.12	2.12	2.13	2.14	2.11	2.10	2.11	2.13	2.12			
Diurnal Average	2.01	2.01	2.01	2.01	2.02	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



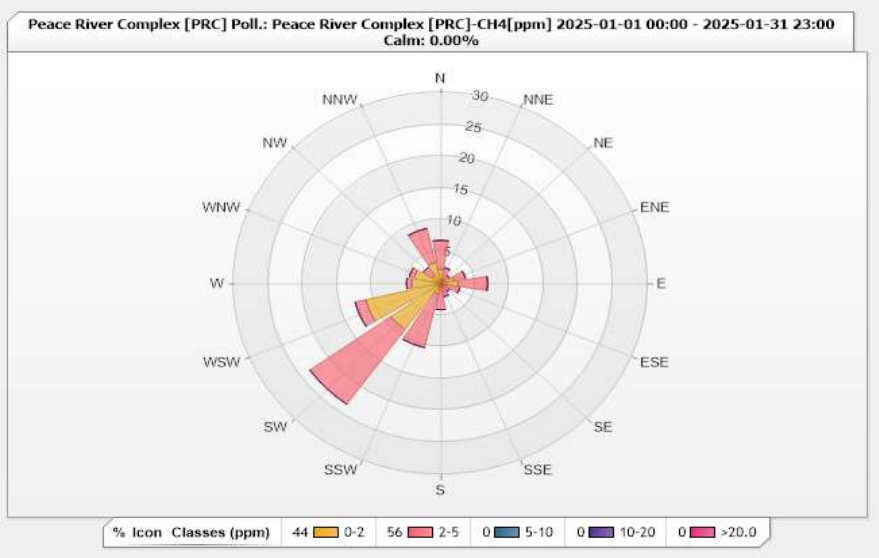


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	2.26	4.53	0	0	0	6.79
NNE	0.57	1.98	0	0	0	2.55
NE	0.14	1.41	0	0	0	1.55
ENE	1.98	1.7	0	0	0	3.68
E	2.55	4.24	0	0	0	6.79
ESE	0.57	2.26	0	0	0	2.83
SE	0.28	1.27	0	0	0	1.55
SSE	0.57	1.56	0	0	0	2.13
S	0.28	3.82	0	0	0	4.1
SSW	1.7	8.63	0	0	0	10.33
SW	8.91	14.43	0	0	0	23.34
WSW	11.17	1.56	0	0	0	12.73
W	4.24	0.71	0	0	0	4.95
WNW	3.96	0.71	0	0	0	4.67
NW	1.56	1.56	0	0	0	3.12
NNW	3.39	5.52	0	0	0	8.91
Summary	44.13	55.89	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

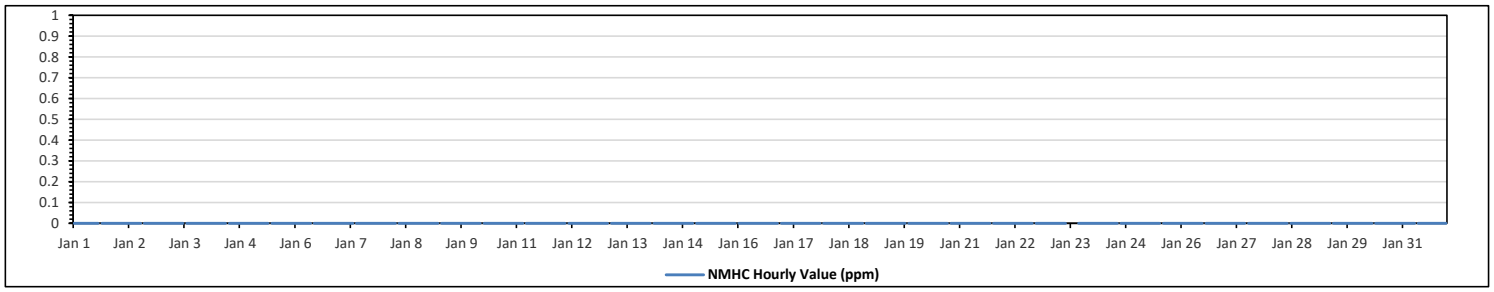
NON-METHANE HYDROCARBONS (NMHC) in ppm

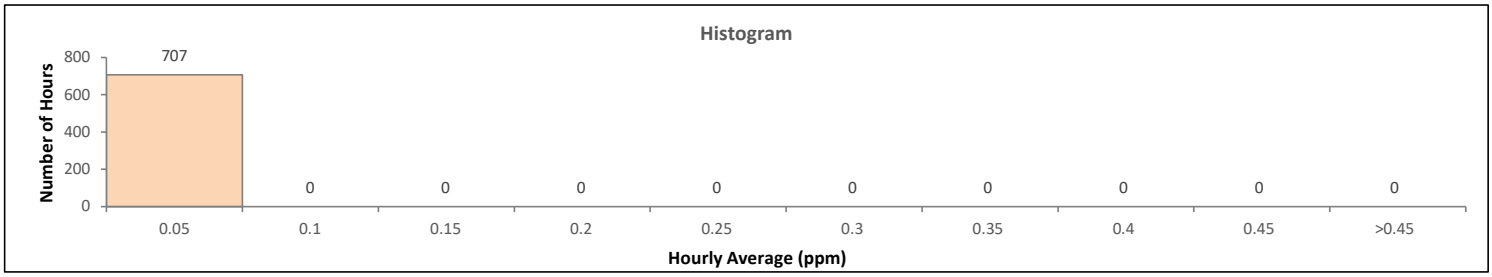
Maximum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Jan 1	Hours of Data:	707
Minimum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Jan 1	Hours of Calibration:	37
Monthly Average:	0.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 9	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 10	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 11	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 12	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 13	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 14	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 15	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Jan 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Jan 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Jan 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Jan 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	C	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



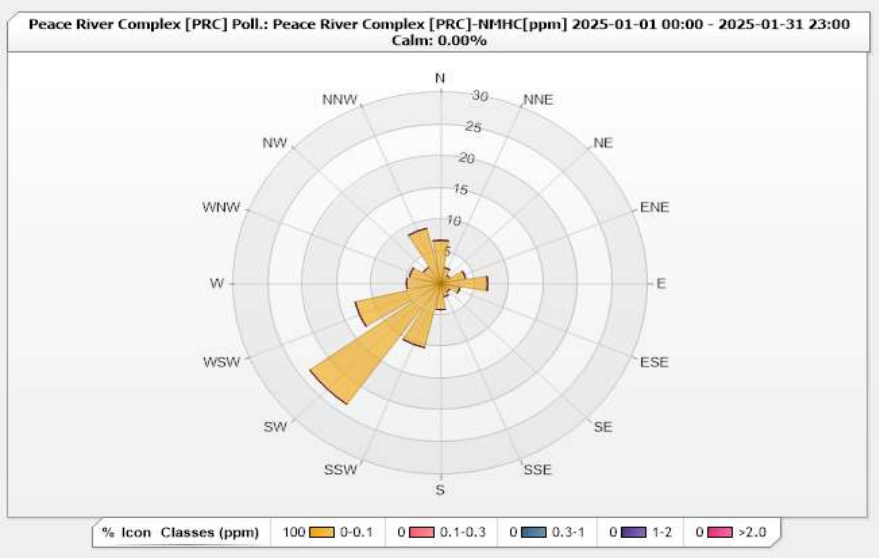


Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	6.79	0	0	0	0	6.79
NNE	2.55	0	0	0	0	2.55
NE	1.56	0	0	0	0	1.56
ENE	3.68	0	0	0	0	3.68
E	6.79	0	0	0	0	6.79
ESE	2.83	0	0	0	0	2.83
SE	1.56	0	0	0	0	1.56
SSE	2.12	0	0	0	0	2.12
S	4.1	0	0	0	0	4.1
SSW	10.33	0	0	0	0	10.33
SW	23.34	0	0	0	0	23.34
WSW	12.73	0	0	0	0	12.73
W	4.95	0	0	0	0	4.95
WNW	4.67	0	0	0	0	4.67
NW	3.11	0	0	0	0	3.11
NNW	8.91	0	0	0	0	8.91
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

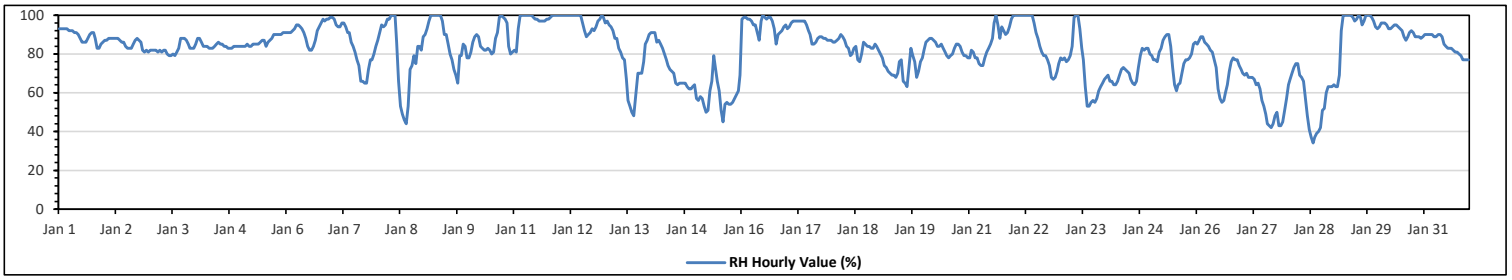
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jan 8 at hr 7	Hours in Service:	744	
Maximum Daily Value:	97.3	%	on Jan 11	Hours of Data:	744	
Minimum Hourly Value:	34	%	on Jan 28 at hr 13	Hours of Missing Data:	0	
Minimum Daily Value:	55.8	%	on Jan 27	Hours of Calibration:	0	
Monthly Average:	81.9	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	93	93	93	93	93	92	92	92	91	91	90	88	86	86	86	88	90	91	91	88	83	83	85	86	83	93	89.3
Jan 2	87	87	88	88	88	88	88	88	87	86	86	84	83	83	83	85	87	88	87	86	82	81	82	81	81	88	85.5
Jan 3	82	82	82	82	81	82	81	82	82	80	79	79	80	79	81	83	88	88	88	87	85	83	83	83	79	88	82.6
Jan 4	85	88	88	86	84	84	84	83	83	83	84	85	86	85	85	84	84	83	83	83	84	84	84	84	83	88	84.4
Jan 5	84	84	84	85	84	84	85	85	85	85	86	87	87	84	86	87	88	90	90	90	90	90	91	91	84	91	86.8
Jan 6	91	91	91	92	93	95	95	94	93	91	88	84	82	82	84	87	92	94	96	98	97	98	98	99	82	99	91.9
Jan 7	99	98	95	94	94	96	96	94	91	91	86	84	81	77	74	66	66	65	65	72	77	77	80	84	65	99	83.4
Jan 8	87	91	95	94	95	98	98	**100**	**100**	**100**	86	66	53	49	46	44	53	72	74	79	75	84	84	82	44	**100**	79.4
Jan 9	89	90	93	97	**100**	**100**	**100**	**100**	**100**	**100**	97	90	90	85	80	77	72	69	65	79	79	85	84	78	65	**100**	87.5
Jan 10	78	81	86	89	90	89	84	83	82	82	83	82	80	81	88	91	99	**100**	99	98	96	84	80	81	78	**100**	86.9
Jan 11	82	81	93	**100**	**100**	**100**	**100**	**100**	**100**	**100**	99	98	98	97	97	97	97	98	98	99	**100**	**100**	**100**	**100**	81	**100**	**97.3**
Jan 12	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	96	92	89	90	91	93	92	94	97	98	**100**	99	89	**100**	97.1
Jan 13	96	97	95	94	92	88	88	83	81	78	77	67	56	53	50	48	60	70	70	70	76	85	87	90	48	97	77.1
Jan 14	91	91	91	86	87	85	83	80	77	74	72	71	70	65	64	65	65	65	65	63	62	62	63	64	62	91	73.4
Jan 15	57	56	58	57	53	50	51	61	66	79	73	66	61	51	45	54	55	54	54	55	57	59	61	69	45	79	58.4
Jan 16	98	99	99	98	98	97	95	95	91	87	97	**100**	99	98	99	99	97	93	85	90	91	92	94	95	85	**100**	95.3
Jan 17	93	94	96	97	97	97	97	97	97	97	95	92	90	85	85	86	88	89	89	88	88	87	87	87	85	97	91.6
Jan 18	86	86	87	88	90	89	87	84	83	79	80	83	84	77	76	80	86	85	84	84	83	83	85	84	76	90	83.9
Jan 19	82	80	78	74	73	71	70	69	69	68	70	76	77	66	65	63	73	83	79	76	68	71	76	78	63	83	73.1
Jan 20	82	86	87	88	88	87	86	84	84	85	83	81	79	78	79	80	83	85	85	84	81	79	79	78	78	88	83.0
Jan 21	78	82	81	78	78	75	74	74	78	81	83	85	88	96	**100**	95	88	94	92	90	91	94	98	**100**	74	**100**	86.4
Jan 22	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	96	91	88	84	81	79	79	77	74	68	67	68	71	75	67	**100**	87.4
Jan 23	78	77	78	76	77	79	84	99	**100**	**100**	93	83	77	63	53	53	55	56	55	57	61	63	65	67	53	**100**	72.9
Jan 24	68	69	66	66	64	64	66	69	72	73	72	71	70	67	65	64	66	73	79	83	82	83	83	80	64	83	71.5
Jan 25	79	77	77	76	81	83	87	89	90	90	84	73	64	61	64	65	70	75	77	77	78	80	85	86	61	90	77.8
Jan 26	85	87	89	89	86	85	84	82	81	77	73	62	57	55	56	60	64	71	76	78	77	77	74	72	55	89	74.9
Jan 27	70	69	70	68	68	68	67	64	65	62	56	53	49	44	43	42	44	48	50	43	43	45	51	57	42	70	**55.8**
Jan 28	64	67	70	73	75	75	69	68	66	57	48	41	37	**34**	37	39	40	42	51	52	60	63	63	63	**34**	75	56.4
Jan 29	64	63	63	69	92	**100**	**100**	**100**	**100**	**100**	99	97	98	**100**	99	95	97	**100**	**100**	**100**	99	97	94	93	63	**100**	92.5
Jan 30	94	96	96	96	95	93	93	94	95	95	94	93	92	89	87	89	91	92	91	89	89	89	88	89	87	96	92.0
Jan 31	90	90	90	90	90	89	89	90	90	89	85	84	83	83	83	82	81	81	80	79	77	77	77	77	77	90	84.4
Diurnal Maximum	100	100	100	100	100	100	100	100	100	100	100	100	99	100	100	99	99	100	100	100	100	100	100	100			
Diurnal Average	84.3	84.9	85.8	85.9	86.6	86.5	86.2	86.5	86.4	85.8	83.7	80.5	78.1	75.1	74.5	74.7	77.1	79.5	79.5	80.0	79.8	80.7	81.7	82.3			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

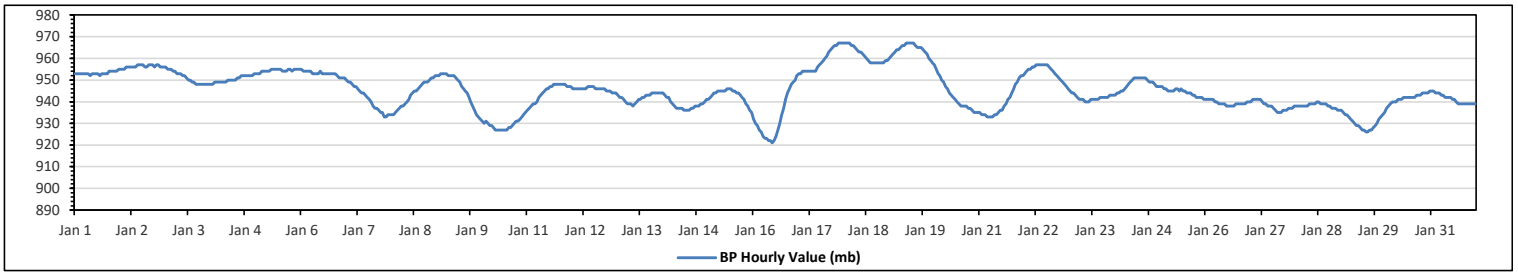
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	967	mb	on Jan 17 at hr 21	Hours in Service:	744	
Maximum Daily Value:	964	mb	on Jan 19	Hours of Data:	744	
Minimum Hourly Value:	921	mb	on Jan 16 at hr 10	Hours of Missing Data:	0	
Minimum Daily Value:	930	mb	on Jan 10	Hours of Calibration:	0	
Monthly Average:	945	mb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	953	953	953	953	953	953	953	953	952	953	953	953	953	952	953	953	953	953	954	954	954	954	954	955	952	955	953
Jan 2	955	955	955	956	956	956	956	956	956	957	957	957	957	956	956	957	957	957	956	957	957	956	956	956	955	957	956
Jan 3	956	955	955	955	954	954	953	953	953	952	952	951	950	950	949	949	948	948	948	948	948	948	948	948	948	956	951
Jan 4	948	948	949	949	949	949	949	949	949	950	950	950	950	950	951	951	952	952	952	952	952	952	952	953	948	953	950
Jan 5	953	953	953	954	954	954	954	954	955	955	955	955	955	955	954	954	954	955	955	954	955	955	955	955	953	955	954
Jan 6	955	954	954	954	954	954	953	953	953	953	954	953	953	953	953	953	953	953	953	952	951	951	951	951	951	955	953
Jan 7	950	949	949	948	947	947	946	945	944	944	943	942	941	940	938	937	937	936	935	935	933	933	934	934	933	950	941
Jan 8	934	934	935	936	937	938	938	939	940	941	943	944	945	945	946	947	948	949	949	949	950	951	951	952	934	952	943
Jan 9	952	952	953	953	953	953	952	952	952	952	951	950	949	947	946	945	944	942	940	938	936	934	933	932	932	953	946
Jan 10	931	930	931	930	929	929	928	927	927	927	927	927	927	927	928	928	929	930	931	931	932	933	934	935	927	935	**930**
Jan 11	936	937	938	939	939	940	942	943	944	945	946	946	947	947	948	948	948	948	948	948	948	947	947	947	936	948	944
Jan 12	946	946	946	946	946	946	946	946	947	947	947	947	946	946	946	946	946	946	945	945	945	944	944	944	944	947	946
Jan 13	943	942	942	941	940	939	939	939	938	939	940	941	941	942	942	943	943	943	944	944	944	944	944	944	938	944	942
Jan 14	944	943	942	942	940	939	938	937	937	937	937	936	936	936	936	937	937	938	938	938	939	939	940	941	936	944	939
Jan 15	941	942	943	944	944	945	945	945	945	945	946	946	946	945	945	944	944	943	942	941	939	938	936	935	935	946	943
Jan 16	932	930	929	927	926	924	923	923	922	922	**921**	922	924	927	930	934	937	941	944	946	948	949	950	952	**921**	952	933
Jan 17	953	953	954	954	954	954	954	954	954	954	956	957	958	959	960	961	963	964	965	966	966	**967**	**967**	**967**	953	**967**	959
Jan 18	**967**	**967**	**967**	**967**	966	966	965	964	963	963	962	961	960	959	958	958	958	958	958	958	958	958	959	959	958	**967**	962
Jan 19	960	961	962	963	964	964	965	966	966	**967**	**967**	**967**	**967**	**967**	966	965	965	965	964	963	962	960	959	958	958	**967**	**964**
Jan 20	957	955	953	952	950	949	947	946	944	943	942	941	940	939	938	938	938	938	937	937	936	935	935	935	935	957	943
Jan 21	935	934	934	934	933	933	933	933	934	934	935	936	936	938	939	941	942	944	946	948	949	951	952	952	933	952	939
Jan 22	953	954	955	955	956	956	957	957	957	957	957	957	957	956	955	954	953	952	951	950	949	948	947	946	946	957	954
Jan 23	945	944	944	943	942	941	941	941	940	940	940	941	941	941	941	941	942	942	942	942	942	943	943	943	940	945	942
Jan 24	943	944	944	945	945	946	947	948	949	950	951	951	951	951	951	951	951	950	949	949	949	948	947	947	943	951	948
Jan 25	947	947	946	946	945	945	945	945	946	946	945	946	945	945	944	944	944	943	943	942	942	942	942	941	941	947	944
Jan 26	941	941	941	941	941	940	940	939	939	939	939	938	938	938	938	938	939	939	939	939	939	939	940	940	938	941	939
Jan 27	940	941	941	941	941	941	940	939	939	938	938	938	937	936	935	935	935	936	936	936	937	937	937	938	935	941	938
Jan 28	938	938	938	938	938	938	938	939	939	939	939	940	940	939	939	939	939	938	938	937	937	937	936	936	936	940	938
Jan 29	936	935	934	934	933	932	931	930	929	929	928	927	927	926	926	927	927	928	929	930	932	933	934	935	926	936	931
Jan 30	937	938	939	940	940	940	941	941	941	942	942	942	942	942	942	942	943	943	943	944	944	944	944	945	937	945	942
Jan 31	945	945	944	944	944	943	943	942	942	942	942	941	941	940	939	939	939	939	939	939	939	939	939	939	939	945	941
Diurnal Maximum	967	967	967	967	966	966	965	966	966	967	967	967	967	967	966	965	965	965	965	966	966	967	967	967			
Diurnal Average	946	946	946	946	946	945	945	945	945	945	945	945	945	945	945	945	945	946	946	946	946	945	945	946			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

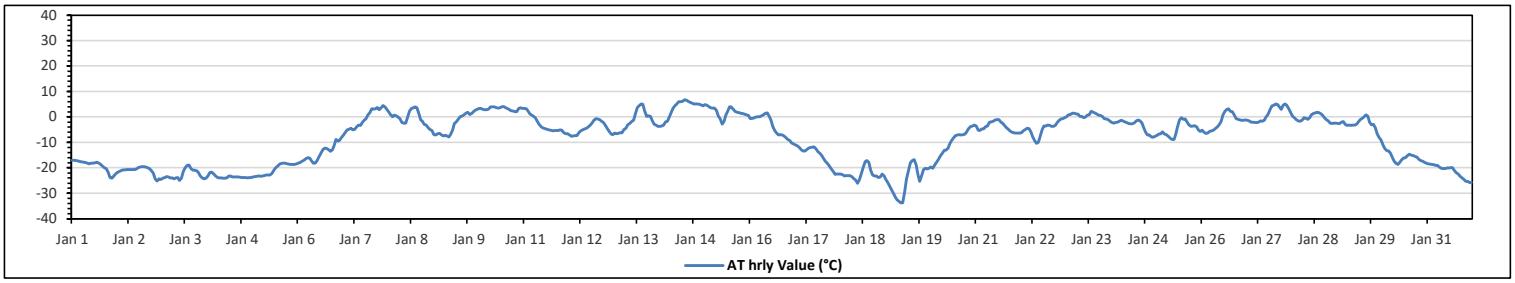
AMBIENT TEMPERATURE (AT) in Degree Celsius

Maximum Hourly Value:	6.7	°C	on Jan 14 at hr 13	Hours in Service:	744	
Maximum Daily Value:	3.3	°C	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	-33.7	°C	on Jan 19 at hr 8	Hours of Missing Data:	0	
Minimum Daily Value:	-25.0	°C	on Jan 19	Hours of Calibration:	0	
Monthly Average:	-8.4	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	-17	-17	-17.1	-17.3	-17.5	-17.6	-17.7	-17.9	-18.2	-18.4	-18.2	-18.1	-18	-17.8	-18.1	-18.7	-19.3	-19.9	-20.3	-21.6	-23.8	-24.1	-23.2	-22.5	-24.1	-17.0	-19.1
Jan 2	-21.7	-21.4	-21	-20.8	-20.8	-20.7	-20.7	-20.6	-20.7	-20.6	-20.4	-20	-19.7	-19.5	-19.5	-19.7	-20	-20.3	-21	-22	-24.3	-25.2	-24.3	-24.5	-25.2	-19.5	-21.2
Jan 3	-24.1	-23.8	-23.4	-23.5	-24	-24	-24.3	-23.9	-23.8	-24.9	-24.1	-21.4	-20	-19	-18.9	-20.3	-20.9	-20.9	-21.2	-21.7	-23.1	-24	-24.3	-24.1	-24.9	-18.9	-22.7
Jan 4	-23.1	-21.8	-21.6	-22.4	-23.2	-23.8	-23.9	-23.9	-24.1	-24.1	-23.9	-23.3	-23.1	-23.6	-23.6	-23.6	-23.6	-23.7	-23.8	-23.8	-23.8	-23.9	-23.8	-23.8	-24.1	-21.6	-23.5
Jan 5	-23.6	-23.4	-23.3	-23.2	-23.3	-23.2	-23	-22.9	-22.8	-22.8	-22.2	-20.9	-19.9	-19.2	-18.6	-18.3	-18.1	-18.2	-18.4	-18.6	-18.7	-18.7	-18.7	-18.4	-23.6	-18.1	-20.8
Jan 6	-18.1	-17.9	-17.4	-17	-16.3	-16	-16.2	-17.2	-18.2	-18.1	-17.2	-15.6	-14.3	-12.9	-12.2	-12.3	-12.9	-13.5	-12.9	-11.4	-8.9	-9.5	-9.3	-8.1	-18.2	-8.1	-14.3
Jan 7	-7.2	-6.1	-5.1	-4.8	-4.4	-5.1	-4.8	-3.9	-3.2	-3.3	-2.1	-1.3	-0.6	0.8	1.7	3.2	3.1	3.2	3.8	2.8	3.6	4.5	3.9	2.9	-7.2	4.5	-0.8
Jan 8	2	0.9	0	0.7	0.5	-0.1	-0.7	-2.2	-2.5	-2.4	-0.1	2.4	3.3	3.7	3.9	3.6	1.3	-1.2	-1.7	-2.9	-3.2	-4.2	-4.9	-5.4	-5.4	3.9	-0.4
Jan 9	-6.9	-7.1	-6.6	-6.5	-7.1	-7.5	-7.2	-7.5	-7.8	-6.7	-5	-2.6	-1.9	-0.9	0	0.3	0.8	1.4	1.8	1	1.3	2.1	2.7	2.9	-7.8	2.9	-2.8
Jan 10	3.3	3.3	3	2.8	2.8	3.1	3.9	3.9	3.9	3.8	3.5	3.7	4	4.1	3.8	3.4	2.9	2.5	2.4	2.1	2.1	3.4	3.6	3.4	2.1	4.1	3.3
Jan 11	3.3	3.2	2.2	1.2	0.7	0.2	-0.2	-1.6	-2.9	-3.8	-4.3	-4.6	-4.8	-5.1	-5.2	-5.5	-5.4	-5.3	-5.3	-5.1	-5.2	-6.2	-6.6	-6.6	-6.6	3.3	-3.0
Jan 12	-7.1	-7.6	-7.4	-7.3	-7.3	-6.2	-5.5	-5.1	-4.7	-4.4	-4	-3.3	-2.4	-1.3	-0.6	-0.8	-1.1	-1.7	-2.2	-3.3	-4.6	-5.6	-6.7	-6.9	-7.6	-0.6	-4.5
Jan 13	-6.4	-6.6	-6.5	-6.2	-6.2	-5	-4.4	-3	-2.6	-1.8	-1.3	1.3	3.8	4.5	5.1	5	2.3	0.2	0.4	0.2	-1.3	-2.8	-3.2	-3.7	-6.6	5.1	-1.6
Jan 14	-3.7	-3.5	-3.2	-1.9	-1.6	0.1	1.6	3.3	4.4	5.2	6	6	6.2	**6.7**	6.6	6.1	5.7	5.4	5.1	5.2	5.1	5	4.8	4.4	-3.7	**6.7**	**3.3**
Jan 15	4.9	4.6	4.1	3.6	3.5	3.5	2.6	0.3	-0.8	-2.8	-1.7	0.6	2.2	4	4	3.1	2.2	1.8	1.7	1.5	1.3	1.1	0.9	0.6	-2.8	4.9	2.0
Jan 16	-0.6	-0.5	-0.4	-0.1	0	0.1	0.4	0.8	1.4	1.6	0.5	-1.1	-3.7	-5.3	-6.4	-7	-6.9	-7	-7.4	-8.1	-8.8	-9.3	-10.2	-10.7	-10.7	1.6	-3.7
Jan 17	-10.9	-11.4	-12	-12.9	-13.4	-13.4	-12.7	-12.2	-12	-11.9	-11.8	-12.4	-13.6	-14.2	-15.1	-16.3	-17.5	-18.3	-19.2	-20.4	-21.5	-22.6	-22.4	-22.4	-22.6	-10.9	-15.4
Jan 18	-22.5	-22.7	-23.2	-23	-23	-23	-23.4	-24.2	-24.8	-26	-24.5	-22.1	-19.7	-17.5	-17.2	-17.8	-20.9	-22.8	-23.2	-23.2	-23.8	-23.6	-22.5	-23.2	-26.0	-17.2	-22.4
Jan 19	-24.7	-25.6	-27.1	-28.5	-29.9	-31.4	-32.4	-33.1	**-33.7**	**-33.7**	-29.6	-24.3	-21.2	-18	-17.1	-16.7	-18.8	-22.9	-25.4	-23.2	-20.7	-20.2	-20.4	-20.2	**-33.7**	-16.7	**-25.0**
Jan 20	-19.6	-20.2	-18.9	-17.8	-16.6	-15.2	-14.2	-13.2	-13	-12.2	-10.7	-9.3	-8.2	-7.3	-7	-6.9	-7.1	-6.9	-6.7	-5.8	-4.5	-3.8	-3.6	-3.2	-20.2	-3.2	-10.5
Jan 21	-3.5	-5.2	-5.3	-4.7	-4.7	-3.8	-3.5	-2.1	-1.9	-1.7	-1.2	-1	-1	-2.1	-2.4	-3.3	-4.2	-4.8	-5.5	-5.9	-6.2	-6.4	-6.4	-6.3	-6.4	-1.0	-3.9
Jan 22	-6.2	-5.5	-5	-4.4	-4.5	-5.9	-7.7	-9.3	-10.4	-10	-7.5	-4.9	-3.6	-3.5	-3.2	-3.3	-3.7	-3.7	-3.3	-2.2	-1.3	-0.8	-0.6	-0.3	-10.4	-0.3	-4.6
Jan 23	0.1	0.8	1	1.4	1.4	1.2	1.1	0.2	0.2	-0.2	-0.1	0.7	0.9	2.2	2	1.6	1.2	0.7	0.6	0.2	-0.6	-0.8	-1	-1.6	-1.6	2.2	0.6
Jan 24	-2.2	-2.5	-2.2	-2	-1.6	-1.4	-1.5	-1.9	-2.2	-2.6	-2.7	-2.7	-2.3	-1.5	-1.2	-1.5	-2.5	-4.4	-6	-7.1	-7.1	-7.8	-8	-7.6	-8.0	-1.2	-3.4
Jan 25	-7.2	-6.7	-6.6	-5.8	-6.7	-6.9	-7.6	-8.3	-8.9	-8.9	-6.9	-3.9	-1.2	-0.3	-0.9	-0.8	-2.1	-3.2	-3.7	-3.5	-3.4	-4	-5.1	-5.6	-8.9	-0.3	-4.9
Jan 26	-5.2	-6	-6.5	-6.3	-5.6	-5.5	-5.2	-4.5	-4	-3	-1.8	0.8	2.2	2.9	3.2	2.3	2.1	0.8	-0.6	-0.9	-1.2	-1.4	-1.4	-1.2	-6.5	3.2	-1.9
Jan 27	-1.3	-1.5	-2	-2.1	-2.2	-2.2	-2	-1.5	-1.7	-1.3	0.1	1.1	2.8	4.4	4.6	5.2	4.9	4	3	4.6	5.1	4.6	3.3	1.9	-2.2	5.2	1.3
Jan 28	0.3	-0.2	-1	-1.5	-1.6	-1.4	-0.3	-0.5	-0.9	-0.2	0.8	1.3	1.6	1.9	1.7	1.3	0.7	-0.2	-1.1	-1.5	-2.5	-2.6	-2.5	-2.5	-2.6	1.9	-0.5
Jan 29	-2.6	-2.6	-2.1	-1.8	-2.9	-3.3	-3.2	-3.3	-3.2	-3.1	-2.8	-1.9	-1	-0.5	0	0.8	0.2	-2.1	-3	-2.9	-4.2	-6.7	-8.1	-9.1	-9.1	0.8	-2.9
Jan 30	-10.9	-12.5	-13.3	-13.4	-14.4	-16.2	-17.4	-18.3	-18.7	-17.9	-16.9	-16.2	-16.1	-15.2	-14.7	-15	-15.1	-15.5	-15.8	-16.6	-17.1	-17.4	-17.7	-18.2	-18.7	-10.9	-15.9
Jan 31	-18.4	-18.6	-18.7	-18.8	-19	-19	-19.6	-20.2	-20.3	-20.3	-20.1	-20.1	-20	-20	-21	-21.9	-22.5	-23.3	-23.9	-24.6	-25.3	-25.4	-25.8	-25.6	-25.8	-18.4	-21.4
Diurnal Maximum	4.9	4.6	4.1	3.6	3.5	3.5	3.9	3.9	4.4	5.2	6.0	6.0	6.2	6.7	6.6	6.1	5.7	5.4	5.1	5.2	5.1	5.0	4.8	4.4			
Diurnal Average	-9.1	-9.2	-9.2	-9.2	-9.3	-9.3	-9.3	-9.5	-9.6	-9.6	-8.7	-7.5	-6.8	-6.1	-6.0	-6.3	-6.9	-7.7	-8.2	-8.3	-8.6	-8.9	-9.1	-9.2			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

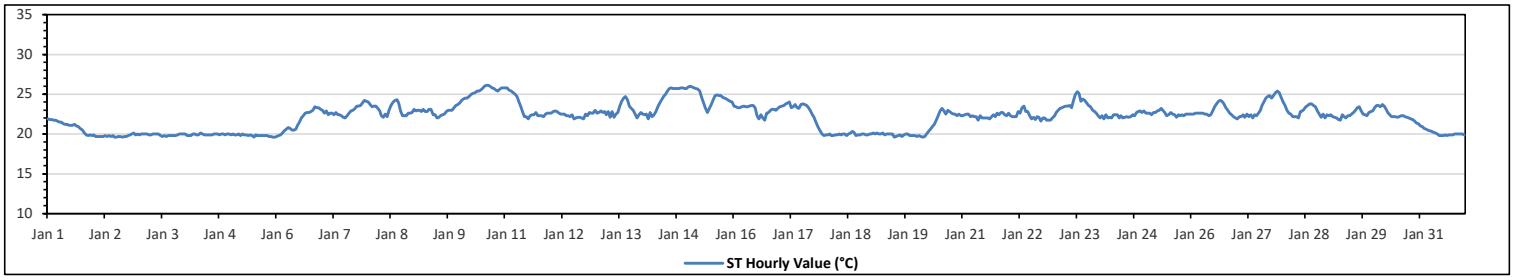
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	26.1	°C	on Jan 10 at hr 14	Hours in Service:	744	
Maximum Daily Value:	25.3	°C	on Jan 10	Hours of Data:	744	
Minimum Hourly Value:	19.6	°C	on Jan 2 at hr 11	Hours of Missing Data:	0	
Minimum Daily Value:	19.8	°C	on Jan 2	Hours of Calibration:	0	
Monthly Average:	22.2	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	21.9	21.8	21.8	21.7	21.7	21.6	21.5	21.5	21.3	21.2	21.2	21.1	21.1	21.1	21.2	21.0	20.9	20.7	20.5	20.1	19.9	19.8	19.9	19.8	19.8	21.9	21.0
Jan 2	19.9	19.7	19.7	19.7	19.7	19.7	19.8	19.7	19.8	19.7	19.8	**19.6**	**19.6**	19.7	19.7	**19.6**	19.7	19.7	19.8	19.9	20.0	20.1	19.9	20.0	**19.6**	20.1	**19.8**
Jan 3	19.9	20.0	20.0	20.0	20.0	19.9	19.9	20.0	20.0	20.0	20.0	19.8	19.7	19.8	19.7	19.8	19.8	19.8	19.8	19.8	19.9	20.0	20.0	20.0	19.7	20.0	19.9
Jan 4	20.0	19.8	19.8	19.8	20.0	20.0	19.9	19.9	20.1	20.0	19.9	19.9	19.9	19.9	19.9	20.0	20.0	20.0	19.9	20.0	20.0	19.9	20.0	20.0	19.8	20.1	19.9
Jan 5	19.9	20.0	19.9	19.9	20.0	19.8	20.0	19.9	19.9	19.8	19.9	19.8	**19.6**	19.9	19.8	19.8	19.8	19.8	19.8	19.8	19.7	19.7	**19.6**	**19.6**	**19.6**	20.0	19.8
Jan 6	19.7	19.8	19.9	20.1	20.4	20.6	20.8	20.7	20.5	20.5	20.6	21.1	21.5	22.0	22.3	22.6	22.7	22.7	22.8	23.0	23.4	23.3	23.3	23.1	19.7	23.4	21.6
Jan 7	23.0	22.6	22.9	22.4	22.6	22.6	22.4	22.7	22.4	22.4	22.3	22.1	22.0	22.3	22.6	22.9	23.0	23.2	23.5	23.5	23.6	23.9	24.2	24.1	22.0	24.2	22.9
Jan 8	24.0	23.7	23.4	23.5	23.5	23.2	22.9	22.3	22.1	22.5	22.2	23.0	23.6	24.0	24.2	24.3	23.9	22.9	22.3	22.3	22.3	22.6	22.6	22.7	22.1	24.3	23.1
Jan 9	23.1	22.9	23.0	23.0	22.8	23.1	22.8	22.8	23.1	23.1	22.4	22.4	22.0	22.1	22.3	22.4	22.5	22.8	23.0	23.0	23.0	23.3	23.6	23.7	22.0	23.7	22.8
Jan 10	23.9	24.2	24.4	24.5	24.5	24.7	25.0	25.1	25.2	25.4	25.4	25.5	25.7	26.0	**26.1**	**26.1**	26.0	25.8	25.7	25.5	25.4	25.6	25.8	25.8	23.9	**26.1**	**25.3**
Jan 11	25.8	25.8	25.5	25.4	25.2	25.0	24.7	24.0	23.4	22.8	22.2	22.2	21.9	22.3	22.4	22.4	22.7	22.3	22.3	22.3	22.2	22.5	22.6	22.6	21.9	25.8	23.4
Jan 12	22.6	22.8	22.9	22.8	22.6	22.5	22.5	22.5	22.3	22.3	22.2	22.4	21.9	22.0	22.1	22.1	22.0	21.9	22.5	22.3	22.7	22.6	22.6	23.0	21.9	23.0	22.4
Jan 13	22.6	22.7	22.9	22.7	22.8	22.4	22.8	22.1	22.8	22.1	22.5	22.7	23.5	24.1	24.5	24.7	24.3	23.5	23.2	23.0	22.5	22.0	22.4	22.7	22.0	24.7	23.0
Jan 14	22.5	22.4	22.5	21.9	22.7	22.2	22.4	22.8	23.4	23.9	24.3	24.7	25.0	25.4	25.7	25.8	25.7	25.7	25.7	25.7	25.8	25.8	25.7	25.7	21.9	25.8	24.3
Jan 15	25.9	26.0	25.9	25.8	25.7	25.6	25.4	24.6	23.8	23.2	22.7	23.2	23.7	24.3	24.8	24.9	24.8	24.8	24.6	24.5	24.4	24.2	24.1	24.0	22.7	26.0	24.6
Jan 16	23.5	23.4	23.3	23.3	23.4	23.5	23.4	23.4	23.5	23.6	23.6	23.3	22.3	21.9	22.4	22.0	21.7	22.6	22.7	23.0	23.1	23.1	23.0	23.2	21.7	23.6	23.0
Jan 17	23.4	23.5	23.6	23.8	23.9	24.0	23.3	23.4	23.7	23.3	23.2	23.7	23.8	23.7	23.6	23.3	22.9	22.5	22.1	21.5	20.9	20.4	20.0	19.8	19.8	24.0	22.8
Jan 18	19.9	19.9	20.0	19.8	19.8	19.9	19.9	20.0	19.9	20.0	20.0	19.8	20.0	20.1	20.3	20.2	19.8	19.9	19.9	20.0	20.0	19.9	19.9	20.0	19.8	20.3	20.0
Jan 19	20.0	20.1	20.0	20.1	20.0	20.0	20.1	19.9	20.0	20.0	20.0	20.0	**19.6**	19.7	19.8	19.9	19.7	19.9	20.0	20.0	19.8	19.8	19.8	19.8	**19.6**	20.1	19.9
Jan 20	19.7	19.8	19.7	**19.6**	19.7	20.0	20.3	20.6	20.9	21.2	21.7	22.3	22.9	23.2	22.9	22.5	23.0	22.8	22.6	22.5	22.5	22.3	22.5	22.3	**19.6**	23.2	21.6
Jan 21	22.3	22.4	22.5	22.5	22.2	22.3	22.2	22.2	21.7	22.3	22.0	22.0	22.0	22.0	21.9	22.2	22.4	22.2	22.6	22.4	22.7	22.7	22.4	22.3	21.7	22.7	22.3
Jan 22	22.6	22.3	22.2	22.2	22.2	22.8	22.6	23.3	23.5	22.8	22.8	22.3	21.9	22.1	21.8	22.2	22.1	21.6	22.0	22.0	21.7	21.7	21.7	22.0	21.6	23.5	22.3
Jan 23	22.3	22.7	23.0	23.2	23.3	23.4	23.5	23.5	23.6	23.3	24.2	25.0	25.3	25.1	24.1	24.4	24.2	23.9	23.6	23.4	23.0	22.8	22.6	22.3	22.3	25.3	23.6
Jan 24	22.0	22.3	21.9	22.4	22.0	22.1	22.0	22.4	22.4	22.4	22.0	22.3	22.0	22.1	22.2	22.1	22.2	22.4	22.3	22.7	22.8	22.9	22.7	22.9	21.9	22.9	22.3
Jan 25	22.6	22.6	22.6	22.4	22.7	22.7	22.9	23.0	23.2	23.0	22.7	22.3	22.4	22.7	22.5	22.4	22.1	22.4	22.3	22.4	22.3	22.5	22.5	22.5	22.1	23.2	22.6
Jan 26	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5	22.3	22.4	22.9	23.4	23.8	24.1	24.2	24.1	23.8	23.3	23.0	22.6	22.4	22.2	22.0	22.0	24.2	22.9
Jan 27	21.9	22.2	22.2	22.4	22.1	22.5	22.2	22.4	22.0	22.4	22.3	22.6	23.0	23.6	24.0	24.5	24.7	24.8	24.5	24.8	25.2	25.4	25.2	24.6	21.9	25.4	23.4
Jan 28	24.0	23.6	23.0	22.6	22.5	22.2	22.2	22.2	22.0	22.8	22.9	23.1	23.4	23.6	23.8	23.8	23.6	23.4	22.9	22.5	22.1	22.5	22.0	22.4	22.0	24.0	22.9
Jan 29	22.3	22.4	22.2	22.1	22.0	21.8	21.7	22.4	22.2	22.0	22.3	22.3	22.5	22.7	23.0	23.3	23.4	22.9	22.5	22.4	22.3	22.7	22.8	22.9	21.7	23.4	22.5
Jan 30	23.3	23.6	23.6	23.4	23.7	23.5	23.1	22.7	22.4	22.2	22.2	22.2	22.1	22.2	22.3	22.3	22.2	22.1	22.0	21.9	21.8	21.6	21.4	21.3	21.3	23.7	22.5
Jan 31	21.0	20.9	20.7	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.8	19.8	19.8	19.9	19.8	19.9	19.9	19.9	20.0	20.0	20.0	20.0	20.0	19.9	19.8	21.0	20.1
Diurnal Maximum	25.9	26.0	25.9	25.8	25.7	25.6	25.4	25.1	25.2	25.4	25.4	25.5	25.7	26.0	26.1	26.1	26.0	25.8	25.7	25.7	25.8	25.8	25.8	25.8			
Diurnal Average	22.2	22.2	22.2	22.1	22.2	22.1	22.1	22.1	22.1	22.0	22.0	22.1	22.2	22.4	22.4	22.5	22.4	22.3	22.3	22.2	22.2	22.2	22.2	22.2			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

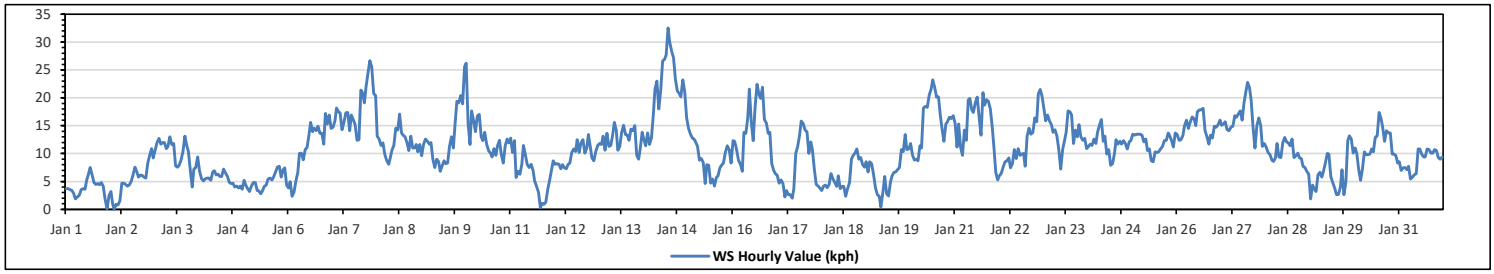
VECTOR WIND SPEED (VWS) in km/hr

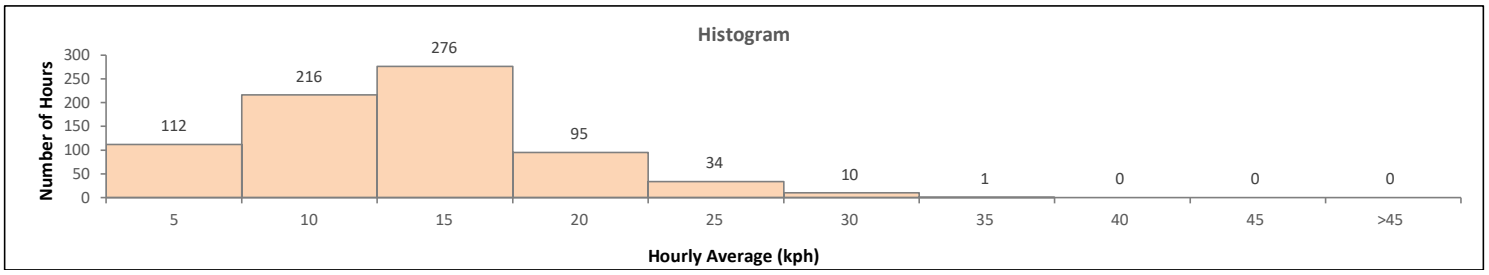
Maximum Hourly Value:	32.5	kph	on Jan 14 at hr 13	Hours in Service:	744	
Maximum Daily Value:	21.2	kph	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	0.0	kph	on Jan 2 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	3.8	kph	on Jan 1	Hours of Calibration:	0	
Monthly Average:	5.3	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3.7	3.7	3.5	3.4	2.9	1.9	2.2	2.5	3.5	3.7	3.6	5.2	6.2	7.5	6.2	4.8	4.5	4.6	4.4	4.8	4.1	1.7	0.1	2.5	0.1	7.5	**3.8**
Jan 2	3.2	1.1	**0.0**	0.9	0.8	1.5	4.7	4.7	4.5	4.2	4.3	5.0	6.2	7.6	6.7	5.8	6.1	6.1	5.8	5.6	8.3	9.7	10.9	9.2	**0.0**	10.9	5.1
Jan 3	10.6	12.0	12.7	11.7	12.0	12.0	10.9	11.3	13.0	11.6	11.8	7.8	7.6	7.9	8.8	10.4	13.1	11.4	10.4	7.0	4.0	7.2	7.5	9.4	4.0	13.1	10.1
Jan 4	6.8	5.5	5.1	5.4	5.6	5.6	5.2	6.7	6.9	6.2	6.3	5.9	5.9	7.2	6.5	5.9	4.8	4.6	4.7	4.0	4.2	3.8	4.2	3.6	3.6	7.2	5.4
Jan 5	5.2	4.4	3.7	3.2	4.2	4.8	4.8	3.4	3.3	2.8	3.4	4.1	4.3	5.4	5.6	5.3	5.8	6.6	7.6	7.7	5.8	7.1	7.4	4.3	2.8	7.7	5.0
Jan 6	3.8	5.0	2.3	3.1	5.1	6.6	10.0	10.1	8.9	10.7	11.1	13.5	15.6	13.9	14.6	14.1	14.9	13.6	13.6	11.7	17.2	15.3	16.9	14.5	2.3	17.2	11.1
Jan 7	14.7	15.9	18.2	17.5	17.3	14.3	15.6	17.3	17.4	14.1	16.9	16.1	15.2	12.4	12.5	21.4	20.9	19.1	21.9	24.4	26.7	25.5	20.8	20.4	12.4	26.7	18.2
Jan 8	13.1	12.6	11.5	11.9	9.8	8.7	8.1	9.3	10.6	11.5	14.6	14.2	17.1	13.7	13.3	13.0	12.0	10.5	13.1	11.0	11.0	11.6	10.3	11.6	8.1	17.1	11.8
Jan 9	9.6	11.7	12.6	12.2	11.7	12.0	9.0	7.5	9.0	8.5	6.8	7.8	8.7	8.2	8.3	11.3	13.0	11.0	15.8	19.4	19.1	20.4	18.9	25.6	6.8	25.6	12.4
Jan 10	26.2	15.5	11.6	17.7	16.0	13.9	16.7	17.0	13.0	12.3	13.8	11.7	10.5	10.1	9.4	10.9	9.7	11.4	12.4	9.8	8.3	11.4	12.6	11.9	8.3	26.2	13.1
Jan 11	12.8	10.2	12.3	5.7	6.8	6.3	8.1	11.5	9.8	8.0	7.5	8.1	7.0	5.1	4.1	3.1	0.3	1.1	0.9	1.3	3.6	5.0	6.8	8.7	0.3	12.8	6.4
Jan 12	8.1	8.2	8.1	7.3	8.0	7.4	7.3	8.0	8.3	10.2	10.8	10.4	12.5	10.2	12.0	12.5	10.1	11.0	13.4	11.2	9.2	8.7	10.4	11.5	7.3	13.4	9.8
Jan 13	11.8	11.6	13.1	10.6	13.6	11.3	11.5	13.4	15.6	14.2	10.6	11.3	13.8	15.1	13.4	13.3	12.4	14.4	14.1	15.0	9.7	9.0	10.9	13.8	9.0	15.6	12.6
Jan 14	12.6	11.4	13.7	11.6	12.8	17.0	21.5	23.0	18.0	21.4	26.6	26.9	27.7	**32.5**	30.0	28.4	27.2	23.3	21.2	20.8	20.2	23.2	21.1	16.4	11.4	**32.5**	**21.2**
Jan 15	14.5	13.5	12.8	12.6	12.1	11.3	8.8	9.1	8.4	4.6	8.0	7.9	4.7	5.4	4.2	5.7	6.0	7.4	7.9	8.3	10.2	11.4	10.7	8.3	4.2	14.5	8.9
Jan 16	12.3	12.2	10.7	8.8	8.1	6.8	13.8	13.6	16.4	21.6	15.7	12.3	18.4	22.4	20.6	19.9	21.9	16.1	15.5	13.6	13.8	8.2	7.0	6.4	6.4	22.4	14.0
Jan 17	6.1	4.7	5.3	4.6	2.2	3.4	2.6	2.6	2.0	3.7	10.0	11.3	13.3	15.8	15.4	14.2	13.9	10.0	12.1	10.7	7.2	4.5	4.2	3.8	2.0	15.8	7.7
Jan 18	3.4	4.2	4.3	3.9	4.4	6.4	5.5	4.8	4.1	6.0	3.7	4.1	4.1	2.3	3.7	4.8	9.0	9.6	10.1	10.8	9.0	9.3	8.0	7.6	2.3	10.8	6.0
Jan 19	8.5	6.7	8.5	8.2	6.3	3.9	2.6	2.3	0.4	2.9	5.9	2.8	2.4	4.9	6.0	6.6	6.7	7.1	7.5	10.7	10.4	13.4	10.7	10.8	0.4	13.4	6.5
Jan 20	11.8	9.7	8.8	9.0	8.7	11.4	11.0	18.2	18.5	18.3	20.5	21.6	23.2	21.9	20.1	20.2	16.7	14.1	12.2	15.3	15.7	16.5	16.3	16.8	8.7	23.2	15.7
Jan 21	15.4	11.2	15.3	11.2	9.7	14.2	12.4	19.6	19.9	17.8	17.4	19.1	20.1	16.5	13.3	20.9	18.7	19.7	19.4	18.0	14.8	10.6	6.6	5.3	5.3	20.9	15.3
Jan 22	6.0	6.4	7.6	8.5	8.7	9.2	7.4	8.2	10.7	9.1	10.9	9.7	9.9	10.0	7.7	13.1	14.6	13.5	13.8	16.4	15.7	20.7	21.5	20.2	6.0	21.5	11.6
Jan 23	17.8	15.9	16.9	15.8	15.2	13.8	14.3	13.2	10.7	7.2	10.7	12.1	13.8	17.7	17.5	16.9	11.8	14.2	13.0	15.2	13.0	12.4	12.7	10.9	7.2	17.8	13.9
Jan 24	11.3	11.7	11.5	12.6	11.8	13.8	15.1	16.1	12.2	13.1	9.9	10.7	7.9	8.2	10.0	12.5	11.7	12.2	11.7	12.3	11.8	10.8	12.1	12.3	7.9	16.1	11.8
Jan 25	13.5	13.3	13.5	13.5	13.5	13.3	12.1	12.6	10.5	10.8	8.7	8.5	10.3	10.2	10.3	10.8	11.3	12.3	12.4	13.7	13.1	12.2	11.2	13.7	8.5	13.7	11.9
Jan 26	13.4	12.4	12.5	13.3	15.0	16.0	14.5	15.7	16.6	16.2	15.0	17.5	17.8	17.8	18.1	14.1	13.0	11.7	13.3	12.8	14.9	14.7	15.2	16.0	11.7	18.1	14.9
Jan 27	15.1	15.3	15.7	14.3	14.1	14.7	14.9	16.8	16.5	17.1	17.7	16.0	19.2	21.2	22.8	21.8	19.6	14.7	11.0	15.0	16.4	15.0	11.3	11.8	11.0	22.8	16.2
Jan 28	11.2	10.2	9.8	8.8	8.6	9.2	11.8	9.4	9.3	12.0	12.9	12.1	11.9	11.4	12.6	9.3	9.6	10.1	9.2	9.1	7.7	7.5	6.8	6.3	6.3	12.9	9.9
Jan 29	1.9	4.3	3.7	3.2	6.2	6.6	5.8	6.8	8.3	10.0	9.9	5.9	4.8	3.8	2.6	2.7	4.0	7.1	2.6	4.8	12.3	13.2	12.6	10.1	1.9	13.2	6.4
Jan 30	11.0	10.1	7.2	5.2	7.3	10.3	9.8	9.8	9.9	10.8	10.3	12.9	13.2	17.4	16.3	14.8	12.2	14.1	13.7	13.7	9.9	9.9	9.7	8.3	5.2	17.4	11.2
Jan 31	8.5	7.0	7.4	7.5	7.1	7.7	5.4	5.8	6.2	6.4	10.8	10.8	9.9	9.4	9.4	10.8	10.7	10.1	10.1	10.7	10.5	9.3	9.0	9.4	5.4	10.8	8.7
Diurnal Maximum	26.2	15.9	18.2	17.7	17.3	17.0	21.5	23.0	19.9	21.6	26.6	26.9	27.7	32.5	30.0	28.4	27.2	23.3	21.9	24.4	26.7	25.5	21.5	25.6			
Diurnal Average	10.4	9.6	9.7	9.1	9.2	9.5	9.8	10.7	10.4	10.5	11.2	11.1	11.7	12.0	11.7	12.2	11.8	11.4	11.4	11.8	11.5	11.6	11.1	11.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



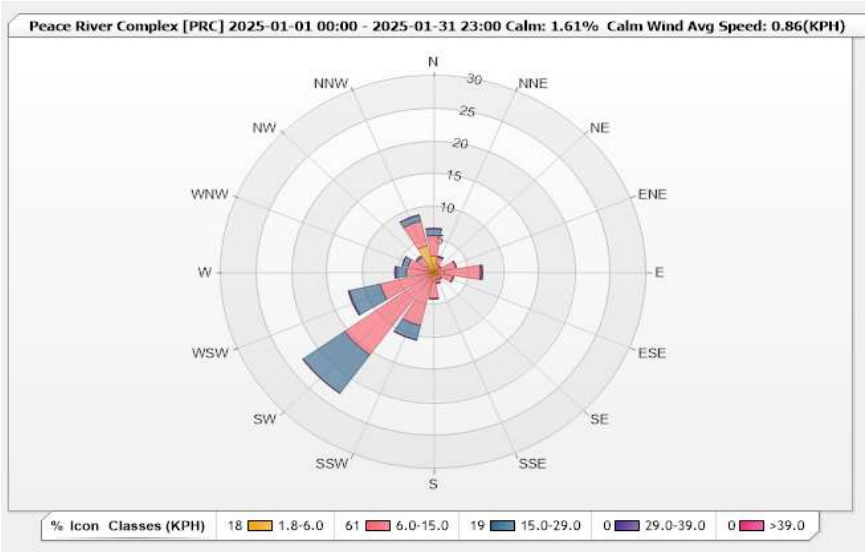


Station: Peace River Complex [PRC] Monitor: WDS [KPH] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 1.61% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	2.55	3.09	1.08	0	0	6.72
NNE	1.34	1.08	0.13	0	0	2.55
NE	0.13	1.08	0	0	0	1.21
ENE	0.54	2.69	0	0	0	3.23
E	1.48	5.11	0.27	0	0	6.86
ESE	0.67	2.15	0	0	0	2.82
SE	0.54	0.81	0	0	0	1.35
SSE	1.08	0.67	0	0	0	1.75
S	1.34	2.69	0	0	0	4.03
SSW	0.67	7.66	2.28	0	0	10.61
SW	0.94	14.52	7.26	0	0	22.72
WSW	0.54	7.26	4.44	0.13	0	12.37
W	0.13	3.76	1.48	0.13	0	5.5
WNW	0.81	2.96	0.81	0	0	4.58
NW	1.21	1.61	0.27	0	0	3.09
NNW	4.17	3.9	0.94	0	0	9.01
Summary	18.14	61.04	18.96	0.26	0	98.4



Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

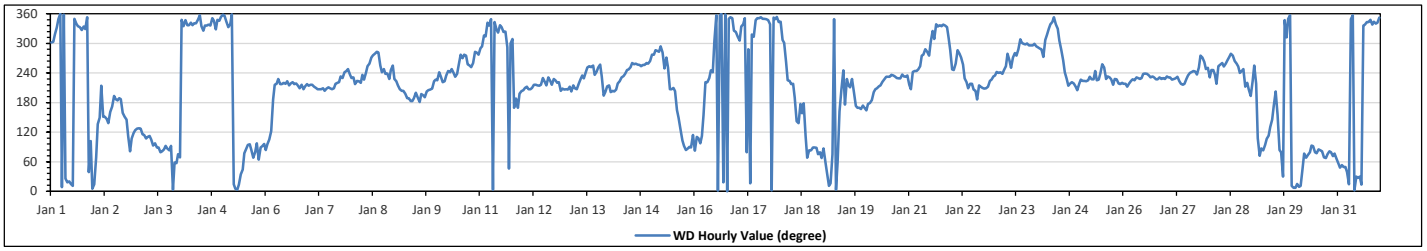
WIND DIRECTION (VWD) in sector

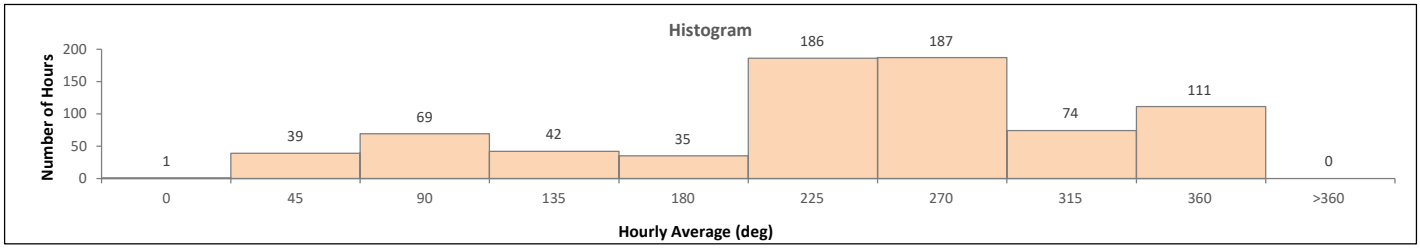
Monthly Average:	242 (WSW) degree	Hours in Service:	744
		Hours of Data:	744
		Hours of Missing Data:	0
		Hours of Calibration:	0
		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																						Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Jan 1	WNW	WNW	NW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	NW	NNW	NNW	N	NE	E	N	348	NNW
Jan 2	NNE	ENE	SE	SSE	SSW	SSE	SSE	SE	SE	SSE	S	S	S	S	S	S	SSE	SSE	SE	ESE	E	ESE	ESE	ESE	145	SE
Jan 3	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	ENE	E	E	E	E	E	E	N	ENE	ENE	ENE	97	E
Jan 4	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	N	344	NNW
Jan 5	N	N	NNW	NNW	NNW	N	NNE	N	N	NNE	NE	NE	ENE	E	E	E	E	ENE	E	E	ENE	E	E	E	56	NE
Jan 6	E	E	ESE	ESE	S	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SSW	SSW	SW	SSW	SSW	SW	213	SSW
Jan 7	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	220	SW
Jan 8	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	SW	WSW	SW	WSW	WSW	248	WSW
Jan 9	SW	SW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	SSW	S	S	SSW	SSW	S	SSW	SSW	SSW	SSW	SW	SW	205	SSW
Jan 10	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	W	W	W	W	WSW	WSW	WSW	WSW	W	W	W	248	WSW
Jan 11	WNW	WNW	NW	NW	NNW	NNW	NNW	N	NNW	NNW	NW	NNW	NNW	NW	NW	WNW	NE	WNW	NW	SSE	S	SSE	SSW	SSW	316	NW
Jan 12	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	217	SW
Jan 13	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	SW	SSW	SSW	SSW	229	SW
Jan 14	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	245	WSW
Jan 15	W	W	WNW	WNW	W	WNW	W	WSW	W	WSW	SSW	SSW	SSW	SSW	SSE	SSE	SE	ESE	E	E	E	E	E	ESE	240	WSW
Jan 16	E	ESE	ESE	E	ESE	SSE	SW	SW	SW	WSW	WSW	WNW	N	N	N	N	NNE	N	N	N	N	N	NW	NW	347	NNW
Jan 17	NW	NW	NNW	NNW	N	ENE	WNW	NNE	NW	NW	NNW	N	N	N	N	N	NNW	NNW	NNW	N	N	NNW	N	NNW	347	NNW
Jan 18	NNW	NW	WNW	W	SW	SW	SW	SW	S	SE	SE	S	SSE	S	ESE	ENE	E	E	E	E	E	ENE	ENE	ENE	108	ESE
Jan 19	E	ENE	NE	NNE	NNE	ENE	NNW	N	ENE	SSE	SSW	WSW	S	SW	SSW	SSW	SW	SSW	S	SSE	SSE	SSE	S	SSE	168	SSE
Jan 20	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	222	SW
Jan 21	SW	SSW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	W	W	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	WNW	294	WNW
Jan 22	WSW	WSW	WSW	WNW	W	W	WSW	SW	SW	SSW	SW	SW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	225	SW
Jan 23	SW	WSW	WSW	WSW	SW	WSW	WSW	W	W	WSW	W	W	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	274	W
Jan 24	WNW	WNW	WNW	W	NW	NW	NNW	NNW	NNW	N	NNW	NNW	NW	WNW	W	WSW	SW	SSW	SW	SW	SW	SSW	SSW	SW	278	W
Jan 25	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	228	SW
Jan 26	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	229	SW
Jan 27	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	W	W	W	WSW	WSW	237	SW
Jan 28	SW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	SSW	SW	SSW	S	249	WSW
Jan 29	SW	WSW	SW	ESE	ENE	E	E	E	ESE	ESE	SE	SE	S	SSW	SSE	E	ENE	NNE	NNW	NW	N	N	NNE	N	63	ENE
Jan 30	N	NNE	N	NNE	NE	ENE	ENE	ENE	ENE	E	E	ENE	ENE	E	E	E	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE	70	ENE
Jan 31	NE	NE	NE	NE	NE	NE	NNE	NNW	N	N	NNE	NNE	NNE	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	6	N

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

Peace River Complex (PRC) Station - January 2025

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	32.5	kph	on Jan 14 at hr 13	Hours in Service:	744
Maximum Daily Value:	21.2	kph	on Jan 14	Hours of Data:	744
Minimum Hourly Value:	0.0	kph	on Jan 2 at hr 2	Hours of Missing Data:	0
Minimum Daily Value:	3.8	kph	on Jan 1	Hours of Calibration:	0
Monthly Average:	5.3	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 242 degree (WSW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3.7	3.7	3.5	3.4	2.9	1.9	2.2	2.5	3.5	3.7	3.6	5.2	6.2	7.5	6.2	4.8	4.5	4.6	4.4	4.8	4.1	1.7	0.1	2.5	0.1	7.5	**3.8**
	WNW	WNW	NW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW	NW	NNW	NNW	N	NE	E	N			348(NNW)
Jan 2	3.2	1.1	**0.0**	0.9	0.8	1.5	4.7	4.7	4.5	4.2	4.3	5.0	6.2	7.6	6.7	5.8	6.1	6.1	5.8	5.6	8.3	9.7	10.9	9.2	**0.0**	10.9	5.1
	NNE	ENE	SE	SSE	SSW	SSE	SSE	SE	SE	SSE	S	S	S	S	S	S	SSE	SSE	SE	ESE	E	ESE	ESE	ESE			145(SE)
Jan 3	10.6	12.0	12.7	11.7	12.0	12.0	10.9	11.3	13.0	11.6	11.8	7.8	7.6	7.9	8.8	10.4	13.1	11.4	10.4	7.0	4.0	7.2	7.5	9.4	4.0	13.1	10.1
	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	E	E	ENE	E	E	E	E	E	E	N	ENE	ENE	ENE			97(E)
Jan 4	6.8	5.5	5.1	5.4	5.6	5.6	5.2	6.7	6.9	6.2	6.3	5.9	5.9	7.2	6.5	5.9	4.8	4.6	4.7	4.0	4.2	3.8	4.2	3.6	3.6	7.2	5.4
	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	N			344(NNW)
Jan 5	5.2	4.4	3.7	3.2	4.2	4.8	4.8	3.4	3.3	2.8	3.4	4.1	4.3	5.4	5.6	5.3	5.8	6.6	7.6	7.7	5.8	7.1	7.4	4.3	2.8	7.7	5.0
	N	N	NNW	NNW	NNW	N	NNE	N	N	NNE	NE	NE	ENE	E	E	E	E	ENE	E	E	ENE	E	E	E			56(NE)
Jan 6	3.8	5.0	2.3	3.1	5.1	6.6	10.0	10.1	8.9	10.7	11.1	13.5	15.6	13.9	14.6	14.1	14.9	13.6	13.6	11.7	17.2	15.3	16.9	14.5	2.3	17.2	11.1
	E	E	ESE	ESE	S	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SSW	SSW	SW	SSW	SSW	SW			213(SSW)
Jan 7	14.7	15.9	18.2	17.5	17.3	14.3	15.6	17.3	17.4	14.1	16.9	16.1	15.2	12.4	12.5	21.4	20.9	19.1	21.9	24.4	26.7	25.5	20.8	20.4	12.4	26.7	18.2
	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW			220(SW)
Jan 8	13.1	12.6	11.5	11.9	9.8	8.7	8.1	9.3	10.6	11.5	14.6	14.2	17.1	13.7	13.3	13.0	12.0	10.5	13.1	11.0	11.0	11.6	10.3	11.6	8.1	17.1	11.8
	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	SW	WSW	SW	WSW	WSW			248(WSW)
Jan 9	9.6	11.7	12.6	12.2	11.7	12.0	9.0	7.5	9.0	8.5	6.8	7.8	8.7	8.2	8.3	11.3	13.0	11.0	15.8	19.4	19.1	20.4	18.9	25.6	6.8	25.6	12.4
	SW	SW	SSW	SSW	SSW	SSW	SSW	S	S	S	S	S	SSW	S	S	SSW	SSW	S	SSW	SSW	SSW	SSW	SW	SW			205(SSW)
Jan 10	26.2	15.5	11.6	17.7	16.0	13.9	16.7	17.0	13.0	12.3	13.8	11.7	10.5	10.1	9.4	10.9	9.7	11.4	12.4	9.8	8.3	11.4	12.6	11.9	8.3	26.2	13.1
	SW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	W	W	W	W	WSW	WSW	WSW	WSW	W	W	W			248(WSW)
Jan 11	12.8	10.2	12.3	5.7	6.8	6.3	8.1	11.5	9.8	8.0	7.5	8.1	7.0	5.1	4.1	3.1	0.3	1.1	0.9	1.3	3.6	5.0	6.8	8.7	0.3	12.8	6.4
	WNW	WNW	NW	NW	NNW	NNW	NNW	N	NNW	NNW	NW	NNW	NNW	NW	NW	WNW	NE	WNW	NW	SSE	S	SSE	SSW	SSW			316(NW)
Jan 12	8.1	8.2	8.1	7.3	8.0	7.4	7.3	8.0	8.3	10.2	10.8	10.4	12.5	10.2	12.0	12.5	10.1	11.0	13.4	11.2	9.2	8.7	10.4	11.5	7.3	13.4	9.8
	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SSW	SSW	SW	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW			217(SW)
Jan 13	11.8	11.6	13.1	10.6	13.6	11.3	11.5	13.4	15.6	14.2	10.6	11.3	13.8	15.1	13.4	13.3	12.4	14.4	14.1	15.0	9.7	9.0	10.9	13.8	9.0	15.6	12.6
	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	SW	SSW	SSW	SSW			229(SW)
Jan 14	12.6	11.4	13.7	11.6	12.8	17.0	21.5	23.0	18.0	21.4	26.6	26.9	27.7	**32.5**	30.0	28.4	27.2	23.3	21.2	20.8	20.2	23.2	21.1	16.4	11.4	**32.5**	**21.2**
	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W			245(WSW)
Jan 15	14.5	13.5	12.8	12.6	12.1	11.3	8.8	9.1	8.4	4.6	8.0	7.9	4.7	5.4	4.2	5.7	6.0	7.4	7.9	8.3	10.2	11.4	10.7	8.3	4.2	14.5	8.9
	W	W	WNW	WNW	W	WNW	W	WSW	W	WSW	SSW	SSW	SSW	SSW	SSE	SSE	SE	ESE	E	E	E	E	E	ESE			240(WSW)
Jan 16	12.3	12.2	10.7	8.8	8.1	6.8	13.8	13.6	16.4	21.6	15.7	12.3	18.4	22.4	20.6	19.9	21.9	16.1	15.5	13.6	13.8	8.2	7.0	6.4	6.4	22.4	14.0
	E	ESE	ESE	E	ESE	SSE	SW	SW	SW	WSW	WSW	WNW	N	N	N	N	NNE	N	N	N	N	N	NW	NW			347(NNW)
Jan 17	6.1	4.7	5.3	4.6	2.2	3.4	2.6	2.6	2.0	3.7	10.0	11.3	13.3	15.8	15.4	14.2	13.9	10.0	12.1	10.7	7.2	4.5	4.2	3.8	2.0	15.8	7.7
	NW	NW	NNW	NNW	N	ENE	WNW	NNE	NW	NW	NNW	N	N	N	N	N	NNW	NNW	NNW	N	N	NNW	N	NNW			347(NNW)
Jan 18	3.4	4.2	4.3	3.9	4.4	6.4	5.5	4.8	4.1	6.0	3.7	4.1	4.1	2.3	3.7	4.8	9.0	9.6	10.1	10.8	9.0	9.3	8.0	7.6	2.3	10.8	6.0
	NNW	NW	WNW	W	SW	SW	SW	SW	S	SE	SE	S	SSE	S	ESE	ENE	E	E	E	E	E	ENE	ENE	ENE			108(ESE)
Jan 19	8.5	6.7	8.5	8.2	6.3	3.9	2.6	2.3	0.4	2.9	5.9	2.8	2.4	4.9	6.0	6.6	6.7	7.1	7.5	10.7	10.4	13.4	10.7	10.8	0.4	13.4	6.5
	E	ENE	NE	NNE	NNE	ENE	NNW	N	ENE	SSE	SSW	WSW	S	SW	SSW	SSW	SW	SSW	S	SSE	SSE	SSE	S	SSE			168(SSE)
Jan 20	11.8	9.7	8.8	9.0	8.7	11.4	11.0	18.2	18.5	18.3	20.5	21.6	23.2	21.9	20.1	20.2	16.7	14.1	12.2	15.3	15.7	16.5	16.3	16.8	8.7	23.2	15.7
	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW			222(SW)
Jan 21	15.4	11.2	15.3	11.2	9.7	14.2	12.4	19.6	19.9	17.8	17.4	19.1	20.1	16.5	13.3	20.9	18.7	19.7	19.4	18.0	14.8	10.6	6.6	5.3	5.3	20.9	15.3
	SW	SSW	WSW	WSW	WSW	WSW	WSW	W	W	WNW	W	W	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	WNW			294(WNW)
Jan 22	6.0	6.4	7.6	8.5	8.7	9.2	7.4	8.2	10.7	9.1	10.9	9.7	9.9	10.0	7.7	13.1	14.6	13.5	13.8	16.4	15.7	20.7	21.5	20.2	6.0	21.5	11.6
	WSW	WSW	WSW	WNW	W	W	WSW	SW	SW	SSW	SW	SW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW			225(SW)
Jan 23	17.8	15.9	16.9	15.8	15.2	13.8	14.3	13.2	10.7	7.2	10.7	12.1	13.8	17.7	17.5	16.9	11.8	14.2	13.0	15.2	13.0	12.4	12.7	10.9	7.2	17.8	13.9
	SW	WSW	WSW	WSW	SW	WSW	WSW	W	W	WSW	W	W	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW			274(W)
Jan 24	11.3	11.7	11.5	12.6	11.8	13.8	15.1	16.1	12.2	13.1	9.9	10.7	7.9	8.2	10.0	12.5	11.7	12.2	11.7	12.3	11.8	10.8	12.1	12.3	7.9	16.1	11.8
	WNW	WNW	WNW	W	NW	NW	NNW	NNW	NNW	N	NNW	NNW	NW	WNW	W	WSW	SW	SSW	SW	SW	SW	SSW	SSW	SW			278(W)
Jan 25	13.5	13.3	13.5	13.5	13.5	13.3	12.1	12.6	10.5	10.8	8.7	8.5	10.3	10.2	10.3	10.8	11.3	12.3	12.4	13.7	13.1	12.2	11.2	13.7	8.5	13.7	11.9
	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW			228(SW)
Jan 26	13.4	12.4	12.5	13.3	15.0	16.0	14.5	15.7	16.6	16.2	15.0	17.5	17.8	17.8	18.1	14.1	13.0	11.7	13.3	12.8	14.9	14.7	15.2	16.0	11.7	18.1	14.9
	SW	SW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW			229(SW)
Jan 27	15.1	15.3	15.7	14.3	14.1	14.7	14.9	16.8	16.5	17.1	17.7	16.0	19.2	21.2	22.8	21.8	19.6	14.7	11.0	15.0	16.4	15.0	11.3	11.8	11.0	22.8	16.2
	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SW	WSW	W	W	W	WSW	WSW			237(SW)
Jan 28	11.2	10.2	9.8	8.8	8.6	9.2	11.8	9.4	9.3	12.0	12.9	12.1	11.9	11.4	12.6	9.3	9.6	10.1	9.2	9.1	7.7	7.5	6.8	6.3	6.3	12.9	9.9
	SW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	SSW	SW	SSW	S			249(WSW)
Jan 29	1.9	4.3	3.7	3.2	6.2	6.6	5.8	6.8	8.3	10.0	9.9	5.9	4.8	3.8	2.6	2.7	4.0	7.1	2.6	4.8	12.3	13.2	12.6	10.1	1.9	13.2	6.4
	SW	WSW	SW	ESE	ENE	E	E	E	ESE	ESE	SE	SE	S	SSW	SSE	E	ENE	NNE	NNW	NW	N	N	NNE	N			63(ENE)
Jan 30	11.0	10.1	7.2	5.2	7.3	10.3	9.8	9.8	9.9	10.8	10.3	12.9	13.2	17.4	16.3	14.8	12.2	14.1	13.7	13.7	9.9	9.9	9.7	8.3	5.2	17.4	11.2
	N	NNE	N	NNE	NE	ENE	ENE	ENE	ENE	E	E	ENE	ENE	E	E	E	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE			70(ENE)
Jan 31	8.5	7.0	7.4	7.5	7.1	7.7	5.4	5.8	6.2	6.4	10.8	10.8	9.9	9.4	9.4	10.8	10.7	10.1	10.1	10.7	10.5	9.3	9.0	9.4	5.4	10.8	8.7
	NE	NE	NE	NE	NE	NE	NNE	NNW	N	N	NNE	NNE	NNE	NNE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N			6(N)

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

AQHI GRIMSHAW STATION

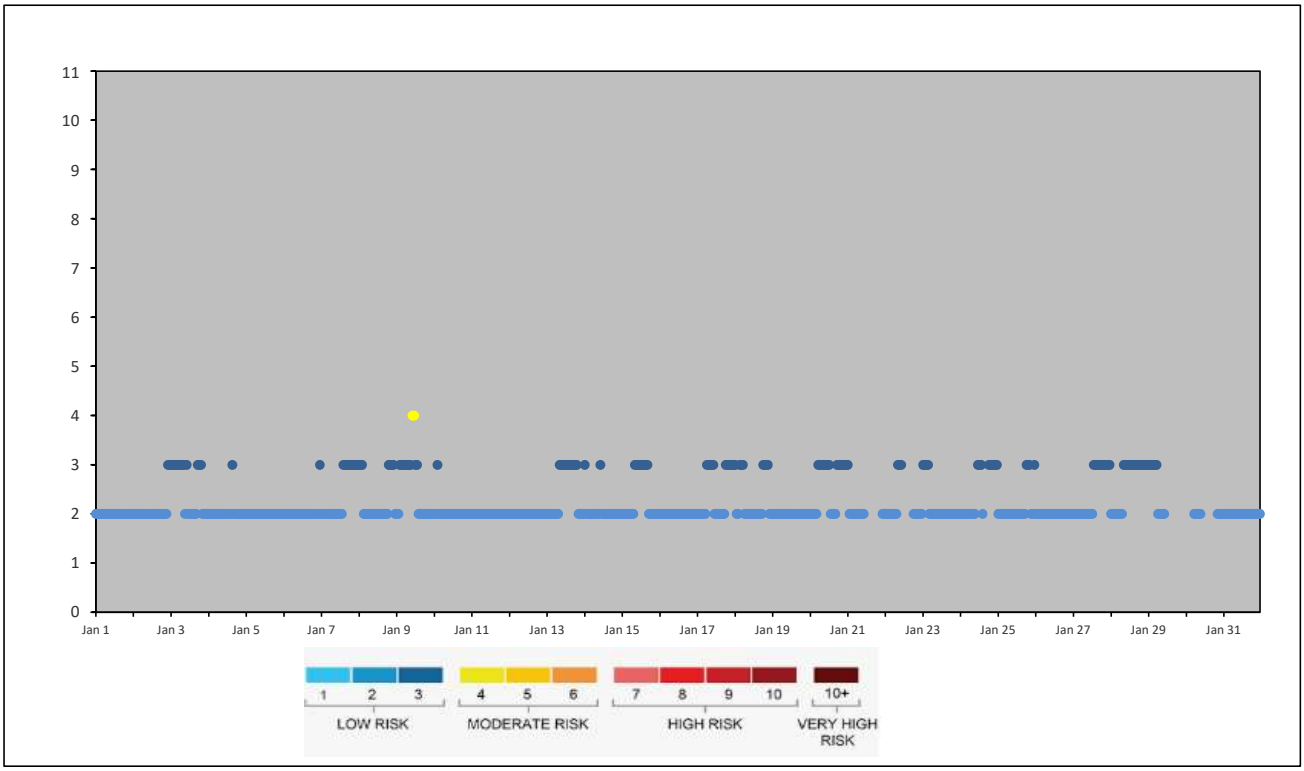
LAKELAND INDUSTRY & COMMUNITY ASSOCIATION

AQHI - Grimshaw Station - January 2025

AIR QUALITY HEALTH INDEX

Day	Hourly Period Starting at (MST)																							
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Jan 1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
Jan 3	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	2	2	3	3	3	2	2	2	2
Jan 4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2
Jan 5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
Jan 8	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
Jan 9	2	2	3	3	3	3	3	3	3	3	4	4	3	3	2	2	2	2	2	2	2	2	2	2
Jan 10	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 12	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 13	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
Jan 14	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 15	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
Jan 16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 17	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3
Jan 18	3	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2
Jan 19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 20	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3
Jan 21	3	2	2	2	2	2	2	2	2	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	2
Jan 22	2	2	2	2	2	2	2	2	3	3	3	NA	NA	NA	NA	NA	NA	NA	2	2	2	2	2	2
Jan 23	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 24	2	2	2	2	2	2	2	2	2	2	NA	3	3	3	2	NA	NA	NA	3	3	3	3	3	3
Jan 25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	3
Jan 26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Jan 27	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
Jan 28	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Jan 29	3	3	3	3	3	3	2	2	2	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Jan 30	NA	NA	NA	NA	NA	2	2	2	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	2	2	2
Jan 31	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Note: **NA: Note Available**



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

SULPHUR DIOXIDE (SO_2) in ppb

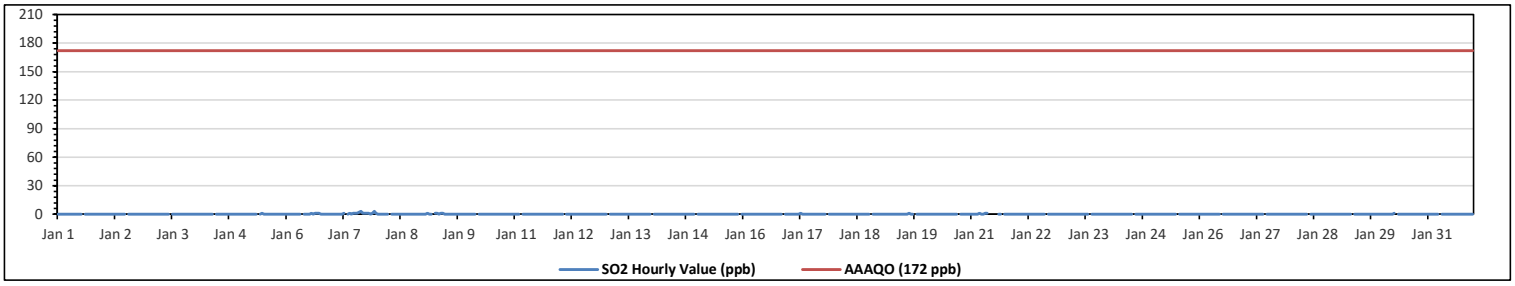
Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb

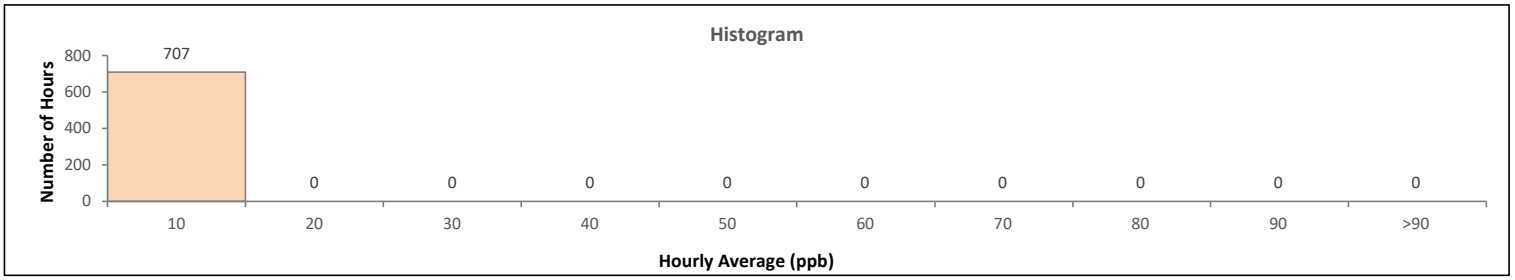
Number of 1-Hour Exceedances:	0		Number of 24-Hour Exceedances:	0		30-Day Exceedence:	0	
Maximum Hourly Value:	3	ppb	on Jan 7 at hr 15			Hours in Service:	744	
Maximum Daily Value:	0.8	ppb	on Jan 7			Hours of Data:	707	
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0			Hours of Missing Data:	0	
Minimum Daily Value:	0.0	ppb	on Jan 1			Hours of Calibration:	37	
Monthly Average:	0.0	ppb				Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 2	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 3	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 4	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 5	0	0	0	0	0	0	0	0	0	S	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 6	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1	0.2
Jan 7	0	0	0	0	0	0	1	S	0	1	0	1	1	1	2	3	1	1	1	1	0	1	3	1	0	3	0.8
Jan 8	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 9	0	0	1	0	0	S	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2
Jan 10	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 11	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 12	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 13	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 14	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0.0
Jan 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0.0
Jan 16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0.0
Jan 17	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	1	0.0
Jan 18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0.0
Jan 19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	S	0	0	0	0	0	0	1	0.0
Jan 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0.0
Jan 21	0	0	0	0	1	0	0	1	1	C	C	C	C	C	0	0	S	0	0	0	0	0	0	0	0	1	0.2
Jan 22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0.0
Jan 23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 24	0	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 25	0	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 26	0	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 27	0	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 28	0	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 29	0	0	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Jan 30	0	0	0	0	0	0	1	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Jan 31	0	0	0	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Diurnal Maximum	0	0	1	0	1	0	1	1	1	1	1	1	1	1	2	3	1	1	1	1	0	1	3	1			
Diurnal Average	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



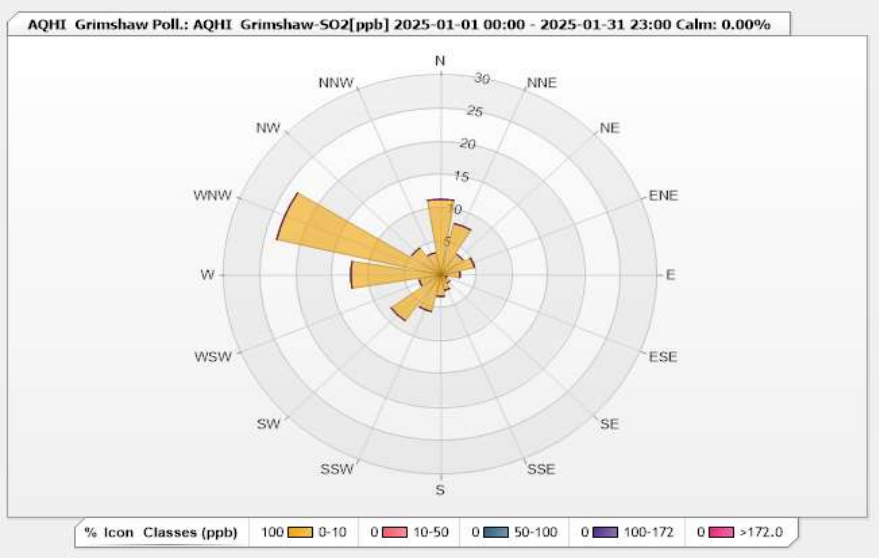


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-10	10-50	50-100	100-172	>172.0	Total
N	11.32	0	0	0	0	11.32
NNE	7.92	0	0	0	0	7.92
NE	3.82	0	0	0	0	3.82
ENE	4.81	0	0	0	0	4.81
E	2.69	0	0	0	0	2.69
ESE	0.85	0	0	0	0	0.85
SE	1.56	0	0	0	0	1.56
SSE	2.4	0	0	0	0	2.4
S	3.25	0	0	0	0	3.25
SSW	5.66	0	0	0	0	5.66
SW	8.49	0	0	0	0	8.49
WSW	3.11	0	0	0	0	3.11
W	12.45	0	0	0	0	12.45
WNW	23.34	0	0	0	0	23.34
NW	4.95	0	0	0	0	4.95
NNW	3.39	0	0	0	0	3.39
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

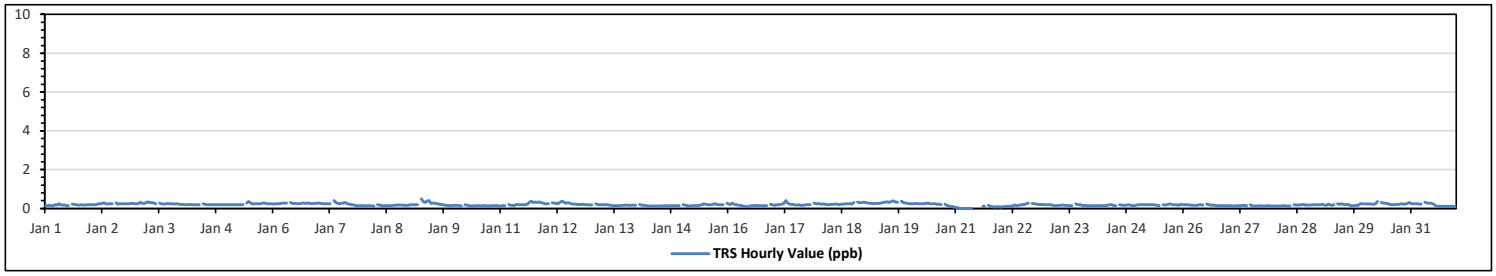
TOTAL REDUCED SULPHUR (TRS) in ppb

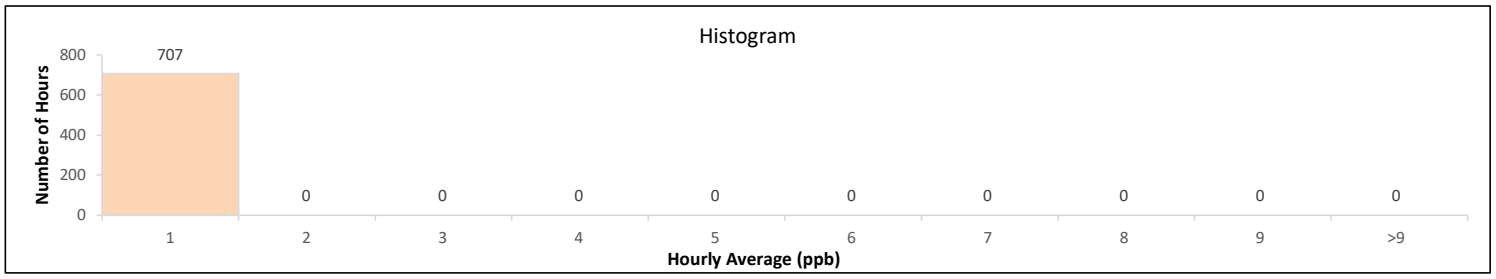
Maximum Hourly Value:	0.49	ppb	on Jan 9 at hr 6	Hours in Service:	744	
Maximum Daily Value:	0.30	ppb	on Jan 19	Hours of Data:	707	
Minimum Hourly Value:	0.00	ppb	on Jan 21 at hr 3	Hours of Missing Data:	0	
Minimum Daily Value:	0.06	ppb	on Jan 21	Hours of Calibration:	37	
Monthly Average:	0.20	ppb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.15	0.15	0.16	0.15	0.15	0.19	0.17	0.23	0.18	0.17	0.17	0.15	0.15	S	0.22	0.21	0.19	0.17	0.17	0.2	0.17	0.17	0.18	0.2	0.15	0.23	0.18
Jan 2	0.2	0.18	0.2	0.21	0.25	0.25	0.27	0.27	0.22	0.24	0.23	0.24	S	0.29	0.22	0.24	0.24	0.23	0.23	0.24	0.24	0.26	0.26	0.25	0.18	0.29	0.24
Jan 3	0.24	0.24	0.32	0.26	0.26	0.3	0.34	0.29	0.3	0.28	0.24	S	0.27	0.23	0.22	0.22	0.26	0.25	0.24	0.24	0.22	0.24	0.22	0.21	0.21	0.34	0.26
Jan 4	0.21	0.2	0.2	0.19	0.21	0.19	0.19	0.19	0.2	0.19	S	0.25	0.21	0.2	0.19	0.19	0.18	0.18	0.18	0.18	0.19	0.18	0.19	0.19	0.18	0.25	0.19
Jan 5	0.18	0.18	0.18	0.19	0.19	0.18	0.18	0.18	0.19	S	0.27	0.36	0.29	0.22	0.23	0.23	0.23	0.24	0.26	0.29	0.26	0.23	0.23	0.23	0.18	0.36	0.23
Jan 6	0.22	0.24	0.25	0.25	0.26	0.28	0.27	0.27	S	0.3	0.26	0.26	0.26	0.25	0.24	0.27	0.27	0.26	0.28	0.28	0.25	0.26	0.26	0.27	0.22	0.30	0.26
Jan 7	0.27	0.26	0.25	0.25	0.25	0.25	0.25	S	0.4	0.3	0.26	0.25	0.27	0.27	0.31	0.25	0.22	0.19	0.19	0.16	0.14	0.14	0.14	0.14	0.14	0.40	0.24
Jan 8	0.14	0.13	0.14	0.14	0.13	0.12	S	0.19	0.17	0.14	0.14	0.14	0.14	0.15	0.14	0.16	0.16	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.12	0.19	0.15
Jan 9	0.18	0.2	0.2	0.19	0.2	S	**0.49**	0.35	0.3	0.37	0.41	0.26	0.28	0.28	0.23	0.25	0.2	0.21	0.17	0.16	0.16	0.14	0.15	0.16	0.14	**0.49**	0.24
Jan 10	0.16	0.16	0.14	0.13	S	0.19	0.17	0.14	0.13	0.14	0.13	0.14	0.14	0.14	0.11	0.16	0.14	0.13	0.14	0.13	0.14	0.14	0.14	0.13	0.11	0.19	0.14
Jan 11	0.13	0.15	0.15	S	0.21	0.16	0.16	0.15	0.21	0.19	0.18	0.18	0.19	0.18	0.22	0.32	0.37	0.31	0.32	0.31	0.34	0.29	0.29	0.24	0.13	0.37	0.23
Jan 12	0.25	0.25	S	0.29	0.27	0.26	0.25	0.3	0.37	0.34	0.27	0.29	0.27	0.25	0.22	0.22	0.21	0.21	0.2	0.22	0.2	0.2	0.18	0.17	0.17	0.37	0.25
Jan 13	0.19	S	0.25	0.2	0.2	0.2	0.19	0.19	0.2	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.16	0.16	0.16	0.17	0.16	0.15	0.25	0.17
Jan 14	S	0.21	0.17	0.16	0.16	0.13	0.13	0.12	0.12	0.12	0.13	0.12	0.12	0.13	0.14	0.15	0.13	0.14	0.14	0.14	0.14	0.14	0.14	S	0.12	0.21	0.14
Jan 15	0.2	0.17	0.15	0.13	0.13	0.15	0.15	0.15	0.15	0.17	0.19	0.25	0.21	0.18	0.19	0.2	0.22	0.23	0.2	0.2	0.19	0.19	S	0.27	0.13	0.27	0.19
Jan 16	0.22	0.21	0.28	0.21	0.2	0.17	0.16	0.14	0.1	0.09	0.09	0.11	0.14	0.15	0.16	0.15	0.15	0.15	0.15	0.14	0.15	S	0.21	0.18	0.09	0.28	0.16
Jan 17	0.16	0.18	0.18	0.2	0.22	0.25	0.42	0.29	0.22	0.21	0.21	0.17	0.17	0.19	0.16	0.16	0.17	0.2	0.2	0.2	S	0.27	0.23	0.23	0.16	0.42	0.21
Jan 18	0.23	0.21	0.25	0.21	0.2	0.2	0.21	0.21	0.22	0.22	0.2	0.21	0.22	0.22	0.23	0.23	0.23	0.22	0.3	S	0.33	0.3	0.29	0.33	0.20	0.33	0.24
Jan 19	0.3	0.29	0.26	0.27	0.25	0.26	0.26	0.26	0.28	0.29	0.32	0.32	0.34	0.31	0.37	0.39	0.33	0.33	S	0.37	0.31	0.27	0.27	0.23	0.23	0.39	**0.30**
Jan 20	0.23	0.24	0.25	0.26	0.24	0.24	0.24	0.25	0.26	0.27	0.23	0.24	0.24	0.24	0.21	0.22	0.19	S	0.22	0.16	0.12	0.11	0.09	0.05	0.05	0.27	0.21
Jan 21	0.05	0.03	0.01	0	0	0	0	0	0	C	C	C	C	C	0.11	0.1	S	0.16	0.11	0.09	0.08	0.08	0.09	0.08	0.00	0.16	0.06
Jan 22	0.08	0.09	0.1	0.11	0.11	0.11	0.15	0.17	0.14	0.16	0.18	0.2	0.21	0.25	0.27	S	0.26	0.25	0.22	0.21	0.2	0.21	0.2	0.18	0.08	0.27	0.18
Jan 23	0.18	0.18	0.18	0.16	0.14	0.15	0.16	0.16	0.17	0.16	0.16	0.15	0.14	0.15	S	0.23	0.19	0.18	0.17	0.15	0.16	0.15	0.15	0.15	0.14	0.23	0.16
Jan 24	0.14	0.15	0.14	0.14	0.14	0.14	0.15	0.14	0.17	0.18	0.19	0.15	0.14	S	0.2	0.17	0.16	0.16	0.17	0.19	0.16	0.15	0.15	0.17	0.14	0.20	0.16
Jan 25	0.2	0.19	0.19	0.2	0.18	0.18	0.18	0.18	0.18	0.17	0.16	0.15	S	0.2	0.17	0.18	0.22	0.22	0.18	0.18	0.19	0.16	0.21	0.2	0.15	0.22	0.19
Jan 26	0.18	0.19	0.18	0.17	0.16	0.16	0.16	0.16	0.19	0.2	0.17	S	0.22	0.19	0.17	0.16	0.17	0.15	0.15	0.14	0.15	0.14	0.14	0.15	0.14	0.22	0.17
Jan 27	0.15	0.14	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.15	S	0.19	0.15	0.13	0.12	0.12	0.14	0.12	0.12	0.12	0.14	0.14	0.13	0.12	0.12	0.19	0.14
Jan 28	0.12	0.12	0.12	0.12	0.14	0.14	0.13	0.13	0.13	S	0.19	0.17	0.17	0.17	0.18	0.21	0.17	0.17	0.17	0.17	0.18	0.19	0.2	0.19	0.12	0.21	0.16
Jan 29	0.2	0.21	0.17	0.16	0.22	0.2	0.16	0.18	S	0.24	0.21	0.24	0.21	0.2	0.21	0.19	0.13	0.15	0.14	0.16	0.16	0.25	0.24	0.23	0.13	0.25	0.19
Jan 30	0.22	0.23	0.22	0.22	0.21	0.24	0.36	S	0.31	0.27	0.27	0.25	0.23	0.2	0.2	0.19	0.21	0.21	0.22	0.24	0.21	0.23	0.26	0.3	0.19	0.36	0.24
Jan 31	0.25	0.23	0.23	0.23	0.22	0.22	S	0.33	0.28	0.27	0.27	0.25	0.18	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.09	0.09	0.33	0.18
Diurnal Maximum	0.30	0.29	0.32	0.29	0.27	0.30	0.49	0.35	0.40	0.37	0.41	0.36	0.34	0.31	0.37	0.39	0.37	0.33	0.32	0.37	0.34	0.30	0.29	0.33			
Diurnal Average	0.19	0.19	0.19	0.18	0.19	0.19	0.21	0.20	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of 30-Minute Averages

TOTAL REDUCED SULPHUR (TRS) in ppb

Alberta Ambient Air Quality Guideline (AAAQG) for TRS: 30-minute 5 ppb

Number of 30-Minute Exceedances: 0

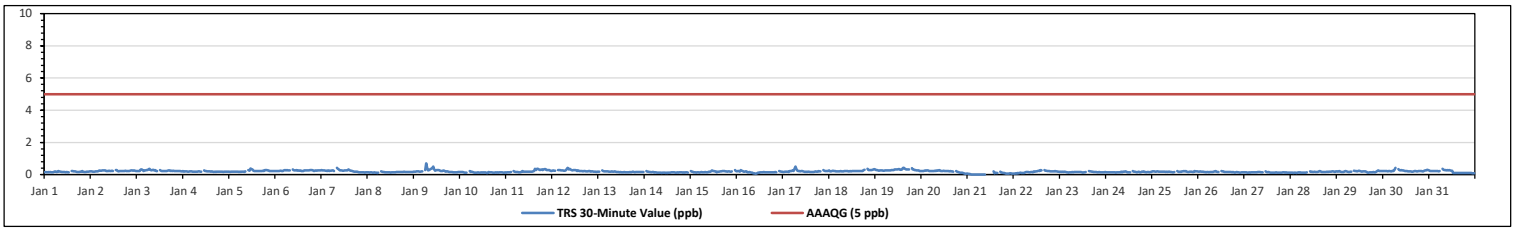
Maximum 30-Minute Value:	0.70	ppb	on Jan 9 at 06:30	# of Instrument in Service	1488
Maximum Daily Value:	0.30	ppb	on Jan 19	# of Valid Measurements	1416
Minimum 30-Minute Value:	0.00	ppb	Jan 21 at 03:00	# of Missing Measurements:	0
Minimum Daily Value:	0.06	ppb	on Jan 21	# of Calibration:	72
Monthly Average:	0.20	ppb		Operational Uptime:	100.0

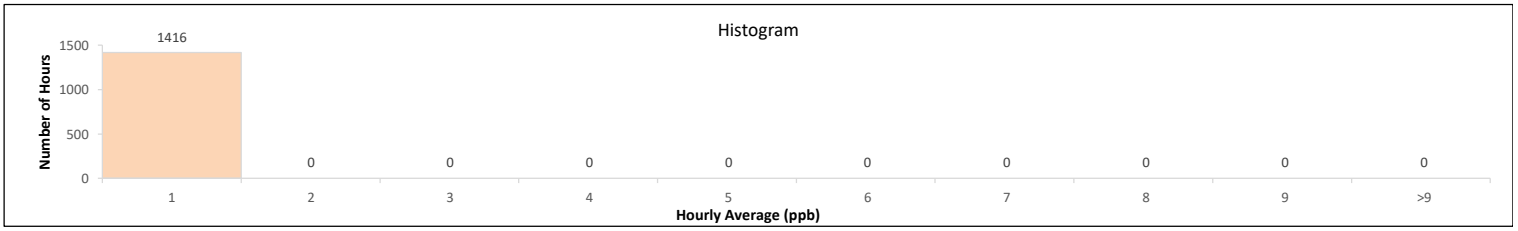
30-Minute Period Starting at (MST)	Jan 1	Jan 2	Jan 3	Jan 4	Jan 5	Jan 6	Jan 7	Jan 8	Jan 9	Jan 10	Jan 11	Jan 12	Jan 13	Jan 14	Jan 15	Jan 16	Jan 17	Jan 18	Jan 19	Jan 20	Jan 21	Jan 22	Jan 23	Jan 24	Jan 25	Jan 26	Jan 27	Jan 28	Jan 29	Jan 30	Jan 31	Diurnal Maximum	Diurnal Average
00:00	0.15	0.2	0.24	0.22	0.18	0.23	0.28	0.14	0.18	0.16	0.13	0.25	0.19	S	0.23	0.21	0.16	0.26	0.33	0.23	0.06	0.08	0.17	0.14	0.21	0.19	0.15	0.12	0.21	0.22	0.26	0.33	0.19
00:30	0.16	0.2	0.24	0.19	0.17	0.22	0.26	0.14	0.18	0.16	0.14	0.26	0.18	S	0.18	0.23	0.17	0.21	0.28	0.22	0.04	0.08	0.18	0.14	0.2	0.18	0.15	0.12	0.19	0.22	0.24	0.28	0.18
01:00	0.14	0.19	0.24	0.2	0.18	0.24	0.26	0.13	0.19	0.16	0.14	0.25	S	0.24	0.18	0.24	0.18	0.21	0.3	0.22	0.04	0.09	0.17	0.15	0.2	0.2	0.15	0.13	0.2	0.22	0.24	0.30	0.19
01:30	0.15	0.18	0.24	0.2	0.18	0.24	0.27	0.14	0.21	0.16	0.15	0.25	S	0.19	0.15	0.19	0.18	0.22	0.27	0.25	0.03	0.08	0.19	0.14	0.19	0.19	0.13	0.11	0.22	0.23	0.23	0.27	0.19
02:00	0.16	0.19	0.32	0.21	0.18	0.24	0.25	0.14	0.2	0.14	0.14	S	0.27	0.18	0.15	0.3	0.18	0.25	0.25	0.26	0.02	0.1	0.17	0.14	0.18	0.18	0.13	0.12	0.18	0.24	0.23	0.32	0.19
02:30	0.15	0.21	0.33	0.18	0.18	0.25	0.25	0.13	0.21	0.13	0.16	S	0.23	0.16	0.15	0.25	0.18	0.24	0.26	0.25	0.01	0.09	0.18	0.14	0.2	0.18	0.14	0.13	0.16	0.2	0.23	0.33	0.19
03:00	0.16	0.21	0.28	0.18	0.19	0.25	0.24	0.13	0.19	0.13	S	0.3	0.21	0.16	0.12	0.24	0.17	0.22	0.27	0.27	0	0.11	0.16	0.14	0.2	0.17	0.13	0.11	0.16	0.22	0.23	0.30	0.19
03:30	0.15	0.21	0.24	0.2	0.19	0.24	0.27	0.14	0.19	0.13	S	0.28	0.2	0.15	0.14	0.19	0.23	0.21	0.26	0.26	0	0.12	0.15	0.14	0.19	0.17	0.14	0.13	0.17	0.23	0.24	0.28	0.19
04:00	0.14	0.22	0.27	0.21	0.19	0.24	0.24	0.13	0.2	S	0.23	0.28	0.2	0.16	0.14	0.19	0.22	0.2	0.25	0.24	0	0.1	0.15	0.14	0.18	0.15	0.14	0.15	0.21	0.21	0.23	0.28	0.19
04:30	0.15	0.27	0.26	0.2	0.19	0.27	0.25	0.13	0.2	S	0.19	0.27	0.2	0.17	0.13	0.2	0.23	0.2	0.25	0.24	0	0.11	0.13	0.14	0.19	0.17	0.14	0.13	0.24	0.21	0.22	0.27	0.19
05:00	0.18	0.25	0.3	0.19	0.17	0.28	0.25	0.11	S	0.22	0.16	0.26	0.21	0.13	0.15	0.2	0.26	0.21	0.26	0.24	0	0.11	0.15	0.13	0.18	0.16	0.15	0.14	0.21	0.25	0.21	0.30	0.19
05:30	0.21	0.25	0.3	0.19	0.18	0.27	0.26	0.13	S	0.16	0.16	0.27	0.19	0.14	0.16	0.15	0.24	0.2	0.26	0.24	0	0.11	0.15	0.14	0.18	0.15	0.15	0.13	0.19	0.22	0.22	0.30	0.19
06:00	0.16	0.26	0.33	0.18	0.17	0.28	0.26	S	0.28	0.18	0.16	0.25	0.19	0.14	0.15	0.15	0.35	0.22	0.26	0.24	0	0.14	0.15	0.15	0.18	0.17	0.15	0.13	0.16	0.31	S	0.35	0.20
06:30	0.17	0.27	0.35	0.19	0.19	0.27	0.24	S	0.7	0.16	0.15	0.25	0.18	0.13	0.14	0.16	0.5	0.2	0.26	0.24	0	0.17	0.16	0.15	0.18	0.16	0.14	0.12	0.16	0.42	S	0.70	0.22
07:00	0.24	0.27	0.31	0.19	0.18	0.26	S	0.21	0.43	0.15	0.15	0.26	0.2	0.12	0.14	0.15	0.34	0.21	0.27	0.25	0	0.17	0.15	0.14	0.17	0.16	0.17	0.13	0.18	S	0.36	0.43	0.21
07:30	0.21	0.27	0.27	0.19	0.18	0.27	S	0.18	0.27	0.13	0.15	0.34	0.18	0.12	0.16	0.12	0.25	0.21	0.26	0.24	0	0.17	0.16	0.14	0.19	0.17	0.16	0.13	0.18	S	0.31	0.34	0.19
08:00	0.18	0.22	0.29	0.2	0.17	S	0.43	0.17	0.29	0.13	0.18	0.41	0.19	0.12	0.15	0.12	0.23	0.22	0.27	0.27	0	0.15	0.16	0.18	0.17	0.18	0.16	0.13	S	0.34	0.28	0.43	0.21
08:30	0.18	0.23	0.31	0.2	0.2	S	0.36	0.17	0.32	0.13	0.23	0.32	0.2	0.12	0.15	0.09	0.22	0.22	0.3	0.25	0	0.14	0.17	0.15	0.18	0.21	0.15	0.14	S	0.29	0.29	0.36	0.20
09:00	0.16	0.24	0.26	0.19	S	0.32	0.33	0.14	0.36	0.13	0.19	0.37	0.18	0.11	0.15	0.09	0.2	0.22	0.28	0.26	0	0.17	0.16	0.18	0.18	0.22	0.15	S	0.25	0.26	0.26	0.37	0.21
09:30	0.17	0.25	0.29	0.19	S	0.28	0.26	0.14	0.38	0.14	0.18	0.32	0.16	0.13	0.18	0.08	0.22	0.22	0.3	0.28	C	0.16	0.16	0.18	0.16	0.19	0.14	S	0.23	0.28	0.28	0.38	0.21
10:00	0.17	0.24	0.24	S	0.28	0.27	0.26	0.14	0.5	0.12	0.18	0.29	0.16	0.13	0.17	0.08	0.22	0.2	0.32	0.23	C	0.15	0.17	0.21	0.16	0.17	S	0.21	0.22	0.27	0.26	0.50	0.22
10:30	0.16	0.23	0.24	S	0.25	0.26	0.26	0.14	0.33	0.13	0.18	0.26	0.16	0.12	0.2	0.09	0.2	0.2	0.33	0.24	C	0.2	0.16	0.18	0.15	0.17	S	0.17	0.21	0.26	0.28	0.33	0.21
11:00	0.14	0.25	S	0.26	0.39	0.28	0.25	0.15	0.25	0.15	0.18	0.29	0.15	0.11	0.27	0.12	0.18	0.22	0.32	0.24	C	0.19	0.16	0.15	0.14	S	0.21	0.18	0.24	0.25	0.26	0.39	0.21
11:30	0.16	0.24	S	0.23	0.34	0.25	0.25	0.14	0.26	0.13	0.19	0.28	0.16	0.12	0.24	0.1	0.16	0.21	0.32	0.25	C	0.21	0.14	0.15	0.17	S	0.16	0.17	0.25	0.24	0.25	0.34	0.21
12:00	0.15	S	0.29	0.22	0.33	0.26	0.27	0.13	0.28	0.15	0.18	0.28	0.15	0.11	0.22	0.15	0.18	0.22	0.34	0.23	C	0.2	0.13	0.15	S	0.23	0.15	0.16	0.22	0.23	0.25	0.34	0.21
12:30	0.15	S	0.25	0.21	0.25	0.25	0.27	0.15	0.28	0.13	0.19	0.26	0.15	0.12	0.2	0.14	0.17	0.22	0.34	0.24	C	0.22	0.14	0.14	S	0.21	0.16	0.18	0.21	0.22	0.11	0.34	0.20
13:00	S	0.28	0.23	0.2	0.23	0.26	0.27	0.15	0.29	0.14	0.18	0.24	0.14	0.12	0.2	0.15	0.18	0.22	0.31	0.24	C	0.25	0.15	S	0.22	0.21	0.14	0.17	0.19	0.21	0.1	0.31	0.20
13:30	S	0.3	0.24	0.21	0.22	0.24	0.26	0.14	0.27	0.13	0.19	0.26	0.16	0.13	0.15	0.15	0.19	0.23	0.31	0.24	0.2	0.24	0.16	S	0.18	0.17	0.12	0.17	0.21	0.2	0.1	0.31	0.20
14:00	0.22	0.24	0.22	0.2	0.22	0.23	0.32	0.14	0.23	0.11	0.21	0.22	0.15	0.14	0.19	0.16	0.16	0.23	0.32	0.22	0.09	0.28	S	0.22	0.16	0.16	0.12	0.17	0.2	0.21	0.1	0.32	0.19
14:30	0.22	0.21	0.22	0.19	0.23	0.24	0.29	0.14	0.23	0.11	0.23	0.22	0.15	0.14	0.19	0.15	0.16	0.24	0.41	0.21	0.12	0.26	S	0.19	0.18	0.17	0.12	0.19	0.21	0.2	0.1	0.41	0.20
15:00	0.21	0.24	0.23	0.2	0.24	0.26	0.25	0.16	0.24	0.17	0.36	0.22	0.14	0.15	0.19	0.15	0.16	0.24	0.41	0.22	0.1	S	0.24	0.18	0.17	0.16	0.12	0.22	0.2	0.19	0.1	0.41	0.20
15:30	0.2	0.24	0.22	0.19	0.22	0.27	0.25	0.17	0.27	0.14	0.28	0.23	0.15	0.15	0.2	0.14	0.17	0.23	0.37	0.21	0.11	S	0.21	0.16	0.2	0.16	0.12	0.2	0.17	0.19	0.1	0.37	0.20
16:00	0.2	0.23	0.25	0.17	0.23	0.26	0.24	0.16	0.22	0.14	0.37	0.2	0.15	0.13	0.2	0.14	0.17	0.23	0.33	0.2	S	0.28	0.2	0.15	0.2	0.17	0.13	0.17	0.12	0.2	0.1	0.37	0.20
16:30	0.19	0.24	0.27	0.18	0.23	0.27	0.2	0.16	0.19	0.15	0.37	0.22	0.17	0.13	0.23	0.15	0.18	0.23	0.32	0.19	S	0.25	0.18	0.16	0.24	0.17	0.15	0.17	0.13	0.22	0.1	0.37	0.20
17:00	0.17	0.24	0.26	0.17	0.22	0.26	0.19	0.16	0.21	0.13	0.32	0.22	0.15	0.14	0.23	0.15	0.2	0.22	0.33	S	0.18	0.25	0.18	0.18	0.2	0.16	0.12	0.17	0.15	0.22	0.1	0.33	0.20
17:30	0.17	0.23	0.24	0.18	0.25	0.27	0.19	0.17	0.21	0.13	0.29	0.2	0.17	0.13	0.24	0.15	0.19	0.22	0.32	S	0.13	0.24	0.17	0.14	0.23	0.15	0.12	0.16	0.15	0.2	0.1	0.32	0.19
18:00	0.16	0.25	0.25	0.18	0.23	0.28	0.19	0.16	0.18	0.13	0.31	0.2	0.18	0.14	0.21	0.15	0.18	0.28	S	0.24	0.13	0.22	0.16	0.15	0.19	0.16	0.12	0.17	0.14	0.21	0.1	0.31	0.19
18:30	0.18	0.22	0.24	0.18	0.29	0.28	0.19	0.17	0.16	0.14	0.33	0.21	0.17	0.14	0.2	0.15	0.22	0.31	S	0.19	0.1	0.23	0.17	0.19	0.17	0.14	0.12	0.17	0.15	0.22	0.1	0.33	0.19
19:00	0.18	0.24	0.25	0.18	0.29	0.3	0.17	0.18	0.16	0.13	0.3	0.22	0.15	0.14	0.19	0.14	0.2	S	0.4	0.17	0.1	0.21	0.16	0.18	0.17	0.13	0.12	0.18	0.16	0.24	0.1	0.40	0.19
19:30	0.22	0.23	0.24	0.19	0.29	0.26	0.15	0.16	0.17	0.14	0.33	0.22	0.16	0.14	0.2	0.15	0.2	S	0.33	0.14	0.09	0.21	0.15	0.2	0.18	0.15	0.12	0.16	0.15	0.24	0.1	0.33	0.19
20:00	0.18	0.23	0.22	0.19	0.26	0.24	0.14	0.17	0.16	0.13	0.34	0.19	0.16	0.12	0.2	0.16	S	0.36	0.32	0.13	0.07	0.2	0.15	0.16	0.19	0.16	0.14	0.18	0.15	0.22	0.1	0.36	0.19
20:30	0.16	0.25	0.22	0.18	0.26	0.25	0.15	0.17	0.15	0.14	0.34	0.2	0.16	0.15	0.19	0.14	S	0.29	0.3	0.11	0.08	0.2	0.17	0.16	0.19	0.14	0.15	0.18	0.18	0.2	0.1	0.34	0.19
21:00	0.17	0.27	0.24	0.17	0.23	0.26	0.15	0.16	0.14	0.15	0.29	0.2	0.16	0.12	0.19	S	0.29	0.3	0.28	0.12	0.08	0.21	0.14	0.14	0.16	0.15	0.13	0.19	0.24	0.21	0.1	0.30	0.19
21:30	0.17	0.26	0.23	0.18	0.22	0.25	0.14	0.16	0.15	0.14	0.29	0.19	0.17	0.15	0.2	S	0.25	0.3	0.26	0.1	0.08	0.22	0.15	0.16	0.16	0.13	0.14	0.2	0.26	0.25	0.1	0.30	0.19
22:00	0.18	0.25	0.23	0.19	0.23	0.26	0.15	0.17	0.15	0.15	0.29	0.18	0.17	0.14	S	0.22	0.23	0.28	0.27	0.09	0.09	0.2	0.15	0.16	0.22	0.13	0.13	0.21	0.24	0.26	0.1	0.29	0.19
22:30	0.18	0.27	0.22	0.18	0.23	0.26	0.13	0.16	0.15	0.13	0.29	0.18	0.17	0.13	S	0.2	0.24	0.31	0.27	0.08	0.09	0.2	0.15	0.15	0.21	0.14	0.12	0.19	0.24	0.27	0.09	0.31	0.19
23:00	0.19	0.25	0.21	0.19	0.23	0.26	0.14	0.16	0.17	0.12	0.25	0.16	0.17	S	0.3	0.18	0.24	0.33	0.24	0.05	0.08	0.18	0.14	0.17	0.2	0.15	0.13	0.17	0.23	0.31	0.09	0.33	0.19
23:30	0.2	0.24	0.21	0.18	0.23	0.27	0.15	0.16	0.16	0.14	0.24	0.18	0.16	S	0.23	0.18	0.22	0.34	0.23	0.06	0.07	0.18	0.16	0.17	0.21	0.15	0.12	0.21	0.23	0.29	0.09	0.34	0.19
Minimum	0.14	0.18	0.21	0.17	0.17	0.22	0.13	0.11	0.14	0.11	0.13	0.16	0.14	0.11	0.12	0.08	0.16	0.2	0.23	0.05	0	0.08	0.13	0.13	0.14	0.13	0.12	0.11	0.12	0.19	0.09		
Maximum	0.24	0.3	0.35	0.26	0.39	0.32	0.43	0.21	0.7	0.22	0.37	0.41	0.27	0.24	0.3	0.3	0.5	0.36	0.41	0.28	0.2	0.28	0.24	0.22	0.24	0.23	0.21	0.22	0.26	0.42	0.36		
Average	0.18	0.24	0.26	0.19	0.23	0.26	0.24	0.15	0.24	0.14	0.23	0.25	0.17	0.14	0.19	0.16	0.21	0.24	0.3	0.21	0.06	0.18	0.16	0.16	0.19	0.17	0.14	0.16	0.19	0.24	0.18		

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	P	Power Failure	X	InValid Data (Equipment Malfunction /Recovery)
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)		

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



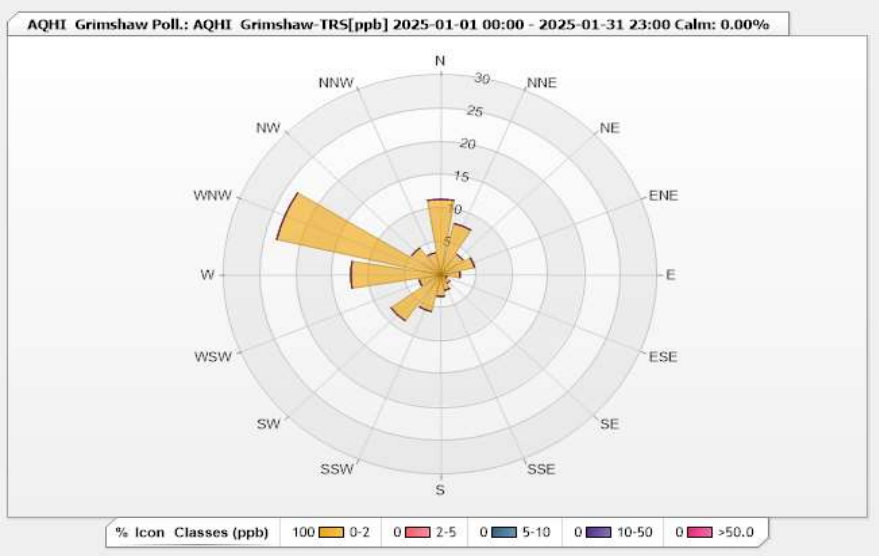


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.03% Calm Avg: 0.00 [ppb]

Direction	0-2	2-5	5-10	10-50	>50.0	Total
N	11.32	0	0	0	0	11.32
NNE	7.92	0	0	0	0	7.92
NE	3.82	0	0	0	0	3.82
ENE	4.81	0	0	0	0	4.81
E	2.69	0	0	0	0	2.69
ESE	0.85	0	0	0	0	0.85
SE	1.56	0	0	0	0	1.56
SSE	2.4	0	0	0	0	2.4
S	3.25	0	0	0	0	3.25
SSW	5.66	0	0	0	0	5.66
SW	8.49	0	0	0	0	8.49
WSW	3.11	0	0	0	0	3.11
W	12.45	0	0	0	0	12.45
WNW	23.34	0	0	0	0	23.34
NW	4.95	0	0	0	0	4.95
NNW	3.39	0	0	0	0	3.39
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

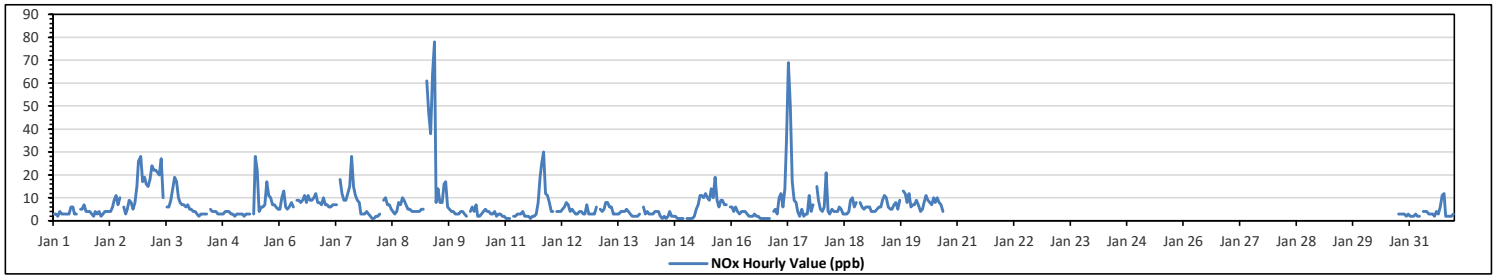
OXIDES OF NITROGEN (NOx) in ppb

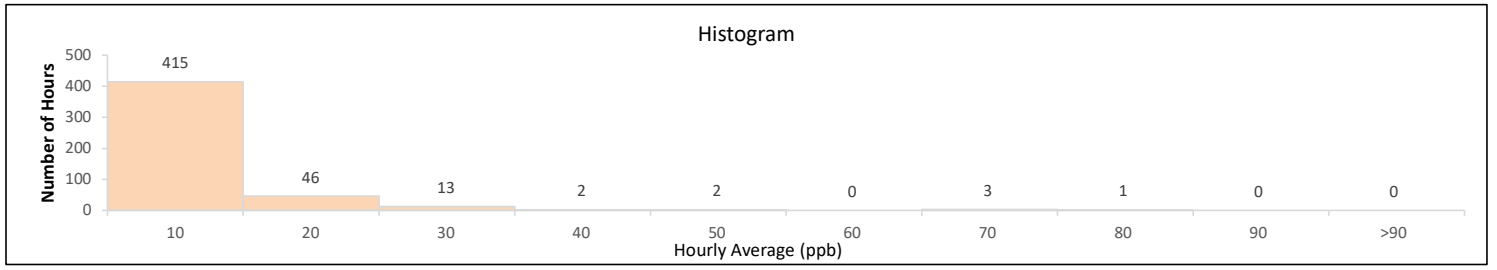
Maximum Hourly Value:	78	ppb	on Jan 9 at hr 10	Hours in Service:	744	
Maximum Daily Value:	17.8	ppb	on Jan 9	Hours of Data:	482	
Minimum Hourly Value:	1	ppb	on Jan 8 at hr 1	Hours of Missing Data:	231	
Minimum Daily Value:	2.5	ppb	on Jan 14	Hours of Calibration:	31	
Monthly Average:	NA	ppb		Operational Uptime:	69.0	

Day	Hourly Period Starting at (MST)																								Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3	3	2	4	3	3	3	3	3	6	6	3	3	S	5	5	7	4	4	4	3	2	4	3	2	7	3.7
Jan 2	4	2	3	4	4	4	4	6	9	11	7	10	S	6	3	5	9	8	5	8	15	26	28	17	2	28	8.6
Jan 3	19	16	15	18	24	22	22	21	20	27	10	S	6	6	9	14	19	17	10	8	7	7	6	7	6	27	14.3
Jan 4	5	5	4	4	3	2	3	3	3	3	S	5	4	4	4	3	3	3	3	4	4	4	3	3	2	5	3.6
Jan 5	2	3	3	3	3	2	3	3	3	S	3	28	22	4	6	6	7	17	11	10	7	7	6	5	2	28	7.1
Jan 6	5	10	13	6	5	6	8	6	S	9	9	8	9	11	8	11	9	9	10	12	8	8	7	10	5	13	8.6
Jan 7	7	7	6	6	7	7	7	S	18	12	9	9	12	15	28	15	11	9	8	3	3	3	4	3	3	28	9.1
Jan 8	2	1	1	2	2	3	S	9	10	7	7	5	4	3	4	8	7	10	9	7	5	5	4	4	1	10	5.2
Jan 9	4	4	4	5	5	S	61	47	38	64	78	8	14	8	8	16	17	6	5	4	4	3	3	3	3	78	17.8
Jan 10	4	4	3	2	S	4	6	4	7	2	2	3	4	5	4	4	3	3	4	2	3	3	2	2	2	7	3.5
Jan 11	1	1	1	S	2	2	3	3	3	4	2	2	2	1	2	2	3	8	19	25	30	12	11	8	1	30	6.4
Jan 12	4	4	S	4	4	4	5	6	8	7	4	5	4	3	3	4	4	3	3	7	3	3	3	3	3	8	4.3
Jan 13	6	S	5	4	5	8	8	6	6	3	3	3	3	4	4	4	5	4	3	2	2	2	2	3	2	8	4.1
Jan 14	S	6	3	4	3	3	3	4	4	4	2	1	2	1	2	4	2	2	2	1	1	1	1	S	1	6	2.5
Jan 15	1	1	1	1	2	5	7	11	11	10	12	10	9	14	10	19	9	6	9	9	7	7	S	6	1	19	7.7
Jan 16	6	4	6	4	3	4	4	4	3	2	2	2	3	2	2	1	1	1	1	1	1	S	4	5	1	6	2.9
Jan 17	3	10	12	6	14	35	69	50	17	9	8	4	2	5	2	3	3	11	4	7	S	15	9	5	2	69	13.2
Jan 18	4	6	21	4	3	5	4	4	4	6	5	3	3	3	4	9	10	6	8	S	8	6	5	6	3	21	6.0
Jan 19	6	6	4	4	4	5	6	6	9	11	10	6	5	5	7	8	5	9	S	13	12	8	12	6	4	13	7.3
Jan 20	7	7	9	7	4	5	8	11	9	8	7	10	8	7	8	7	4	S	X	X	X	X	X	X	4	11	NA
Jan 21	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 22	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 26	X	X	X	X	X	X	NRM	X	X	NRM	X	X	X	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 29	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Jan 30	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	C	C	C	C	C	3	3	3	3	2	3	2	3	NA
Jan 31	2	2	2	3	2	2	S	4	4	4	3	3	3	2	4	3	6	11	12	2	2	2	2	3	2	12	3.6
Diurnal Maximum	19	16	21	18	24	35	69	50	38	64	78	28	22	15	28	19	19	17	19	25	30	26	28	17			
Diurnal Average	4.8	5.1	5.9	4.8	5.1	6.6	12.3	10.6	9.5	10.5	9.5	6.4	6.1	5.5	6.0	7.2	6.9	7.4	6.7	6.6	6.4	6.4	5.9	5.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



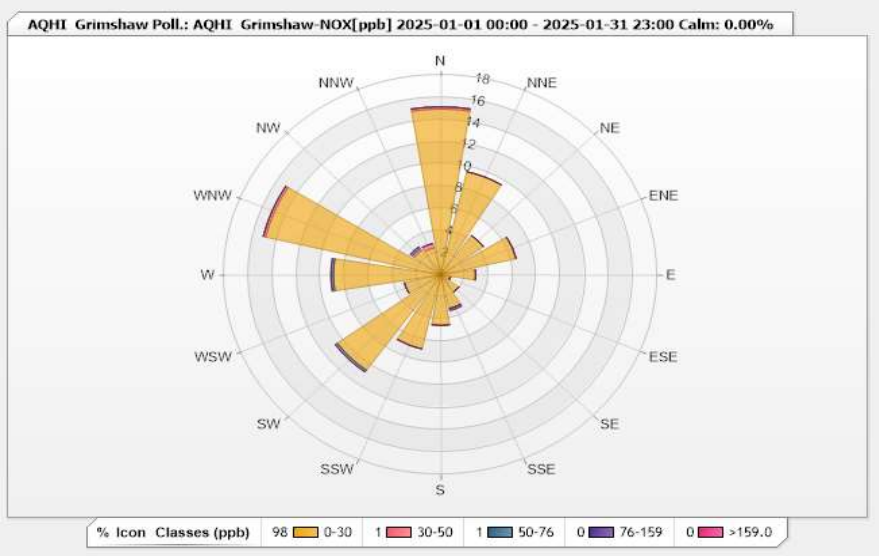


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 64.78% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	14.94	0.21	0	0	0	15.15
NNE	9.54	0	0	0	0	9.54
NE	4.36	0	0	0	0	4.36
ENE	6.43	0	0	0	0	6.43
E	2.9	0	0	0	0	2.9
ESE	0.83	0	0	0	0	0.83
SE	1.87	0	0	0	0	1.87
SSE	3.11	0	0	0.21	0	3.32
S	4.56	0	0	0	0	4.56
SSW	6.85	0	0	0	0	6.85
SW	10.58	0	0.21	0	0	10.79
WSW	3.11	0	0	0	0	3.11
W	8.92	0	0.21	0	0	9.13
WNW	14.94	0.21	0	0	0	15.15
NW	2.7	0.21	0.21	0	0	3.12
NNW	2.49	0.41	0	0	0	2.9
Summary	98.13	1.04	0.63	0.21	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

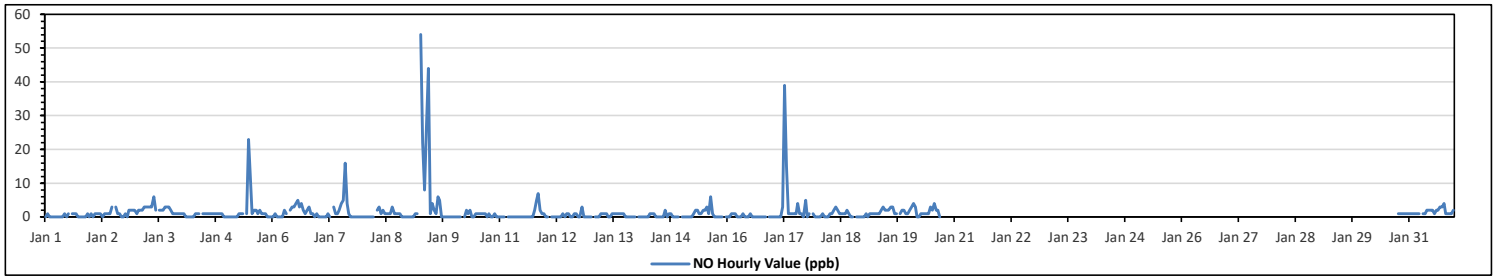
NITRIC OXIDE (NO) in ppb

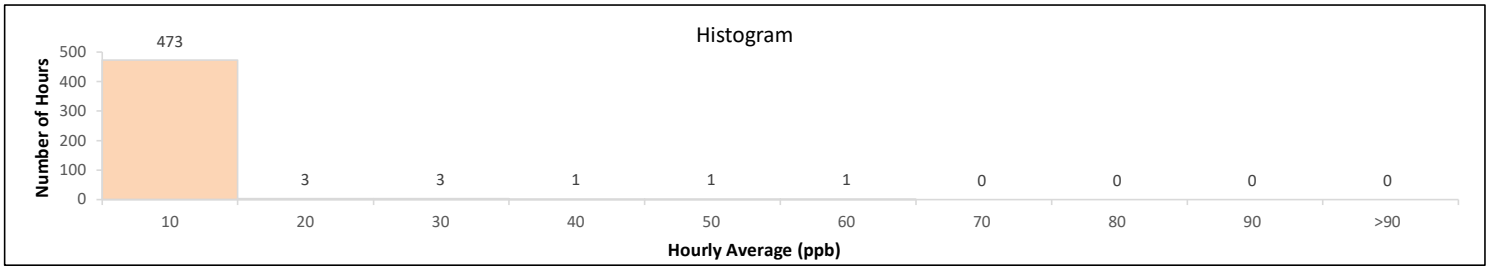
Maximum Hourly Value:	54	ppb	on Jan 9 at hr 6	Hours in Service:	744
Maximum Daily Value:	7.7	ppb	on Jan 9	Hours of Data:	482
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	231
Minimum Daily Value:	0.2	ppb	on Jan 16	Hours of Calibration:	31
Monthly Average:	NA	ppb		Operational Uptime:	69.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	1	0	0	0	0	0	0	0	0	1	0	1	S	1	1	1	0	0	0	0	0	1	0	0	1	0.3
Jan 2	1	0	1	1	1	1	0	1	1	1	1	3	S	3	1	1	0	0	1	0	2	2	2	2	0	3	1.1
Jan 3	1	2	2	2	3	3	3	3	3	6	2	S	2	2	2	3	3	3	2	1	1	1	1	1	1	6	2.3
Jan 4	1	1	0	0	0	0	0	1	1	1	S	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0.7
Jan 5	0	0	0	0	0	0	1	1	1	S	1	23	13	1	2	2	1	2	1	1	1	0	0	0	0	23	2.2
Jan 6	0	1	0	0	0	0	2	1	S	2	3	3	4	5	3	4	2	1	2	3	1	1	0	1	0	5	1.7
Jan 7	0	0	0	0	0	1	0	S	3	1	1	2	4	5	16	4	1	0	0	0	0	0	0	0	0	16	1.7
Jan 8	0	0	0	0	0	0	S	2	3	1	2	1	1	1	1	3	1	1	1	1	0	0	0	0	0	3	0.8
Jan 9	0	0	0	1	1	S	54	22	8	27	44	1	4	2	1	6	5	0	0	0	0	0	0	0	0	**54**	**7.7**
Jan 10	0	0	0	0	S	0	2	1	2	0	0	1	1	1	1	1	1	0	1	0	0	1	0	0	0	2	0.6
Jan 11	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	2	1	1	0	7	0.8
Jan 12	0	0	S	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	0	3	0	0	0	0	0	3	0.3
Jan 13	0	S	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0.5
Jan 14	S	0	0	0	0	0	0	1	1	1	0	0	0	0	0	2	0	1	1	0	0	0	0	S	0	2	0.3
Jan 15	0	0	0	0	0	0	1	2	2	1	1	2	2	3	1	6	1	0	0	0	0	0	S	0	0	6	1.0
Jan 16	0	0	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	S	0	0	0	1	0.2
Jan 17	0	0	0	0	0	3	39	15	1	1	1	1	1	4	1	1	0	5	0	1	S	1	0	0	0	39	3.3
Jan 18	0	0	1	0	0	0	1	1	2	3	2	1	1	1	1	2	1	0	0	S	0	0	0	0	0	3	0.7
Jan 19	0	1	0	1	1	1	1	1	1	2	3	2	2	2	3	3	1	1	S	1	2	2	1	1	0	3	1.4
Jan 20	2	3	4	3	0	0	1	1	1	1	1	3	2	2	2	2	0	S	X	X	X	X	X	X	0	4	NA
Jan 21	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 22	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 26	X	X	X	X	X	X	NRM	X	X	NRM	X	X	X	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 29	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Jan 30	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	C	C	C	C	C	1	1	1	1	1	1	1	1	NA
Jan 31	1	1	1	1	1	1	S	1	1	2	2	2	2	1	2	2	3	3	4	1	1	1	1	2	1	4	1.6
Diurnal Maximum	2	3	4	3	3	3	54	22	8	27	44	23	13	5	16	6	5	5	4	5	7	2	2	2			
Diurnal Average	0.3	0.5	0.5	0.5	0.4	0.6	5.6	2.8	1.7	2.6	3.3	2.4	2.2	1.8	1.9	2.2	1.1	1.0	0.9	1.0	0.9	0.7	0.4	0.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



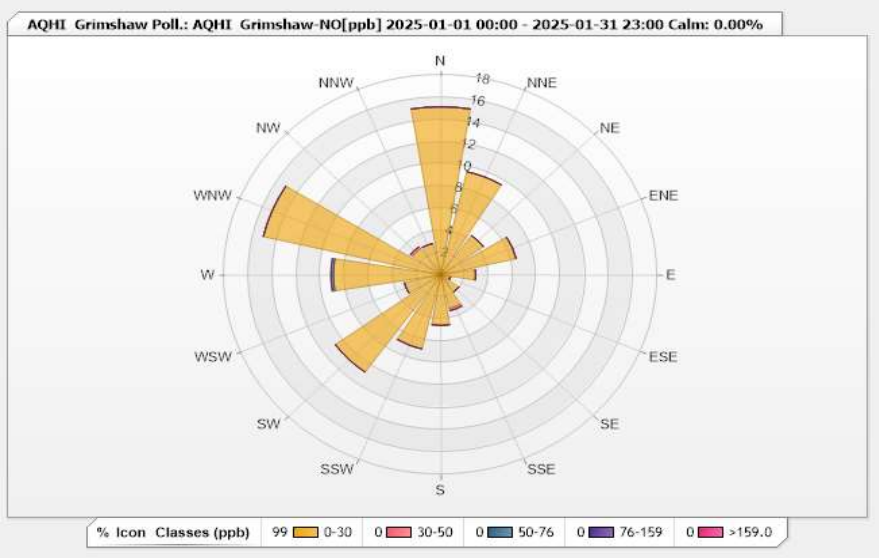


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 64.78% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	15.15	0	0	0	0	15.15
NNE	9.54	0	0	0	0	9.54
NE	4.36	0	0	0	0	4.36
ENE	6.43	0	0	0	0	6.43
E	2.9	0	0	0	0	2.9
ESE	0.83	0	0	0	0	0.83
SE	1.87	0	0	0	0	1.87
SSE	3.11	0.21	0	0	0	3.32
S	4.56	0	0	0	0	4.56
SSW	6.85	0	0	0	0	6.85
SW	10.79	0	0	0	0	10.79
WSW	3.11	0	0	0	0	3.11
W	8.92	0	0.21	0	0	9.13
WNW	15.15	0	0	0	0	15.15
NW	2.9	0.21	0	0	0	3.11
NNW	2.9	0	0	0	0	2.9
Summary	99.37	0.42	0.21	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 159 ppb

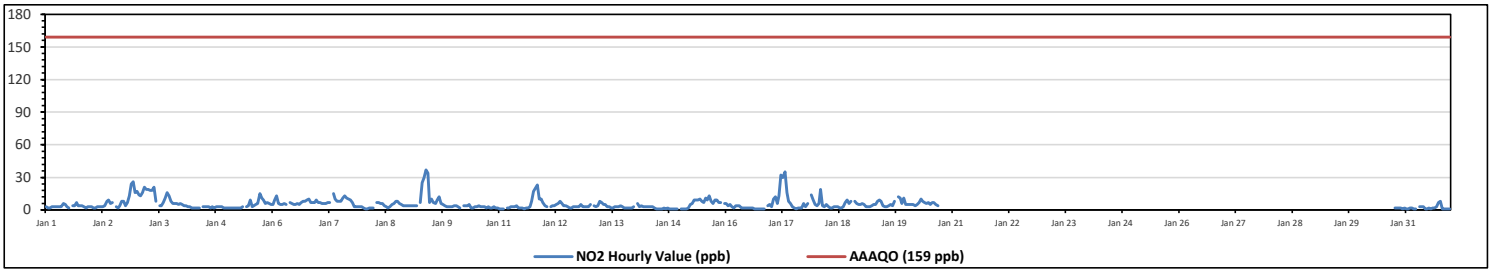
Number of 1-Hour Exceedances: 0

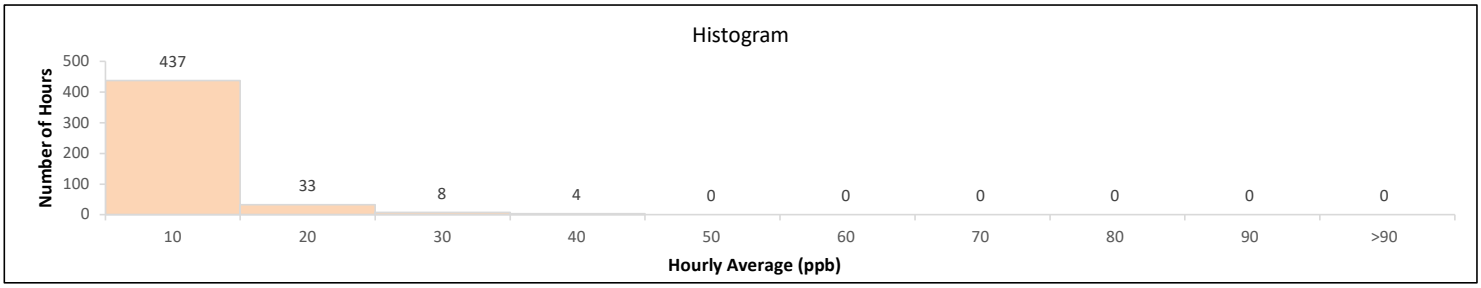
Maximum Hourly Value:	37	ppb	on Jan 9 at hr 9	Hours in Service:	744
Maximum Daily Value:	12.0	ppb	on Jan 3	Hours of Data:	482
Minimum Hourly Value:	1	ppb	on Jan 8 at hr 1	Hours of Missing Data:	231
Minimum Daily Value:	2.1	ppb	on Jan 31	Hours of Calibration:	31
Monthly Average:	NA	ppb		Operational Uptime:	69.0

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3	2	2	3	3	3	3	3	3	6	5	3	2	S	4	4	7	4	4	4	3	2	3	3	2	7	3.4
Jan 2	3	2	2	3	3	3	3	4	8	9	6	7	S	3	2	4	8	8	4	7	13	24	26	16	2	26	7.3
Jan 3	17	14	13	16	21	19	19	18	18	21	8	S	4	4	7	11	16	13	8	6	6	6	5	6	4	21	**12.0**
Jan 4	5	4	4	3	3	2	2	2	2	2	S	3	3	3	3	2	3	2	3	3	3	3	2	2	2	5	2.8
Jan 5	2	2	2	2	2	2	2	2	3	S	3	4	9	3	4	5	6	15	11	9	6	7	6	5	2	15	4.9
Jan 6	5	9	13	6	5	5	6	5	S	7	6	5	5	6	5	7	8	8	9	10	7	7	7	9	5	13	7.0
Jan 7	7	7	6	6	6	7	7	S	15	10	8	8	8	11	13	11	10	9	7	3	3	3	3	3	3	15	7.4
Jan 8	2	1	1	2	2	2	S	7	7	6	6	4	3	2	3	5	6	8	8	6	5	4	4	4	**1**	8	4.3
Jan 9	4	4	4	4	4	S	7	25	30	37	34	7	10	7	6	9	12	6	5	4	3	3	3	3	3	**37**	10.0
Jan 10	4	4	3	2	S	4	4	4	5	2	2	3	3	4	3	3	3	2	3	2	2	3	2	2	2	5	3.0
Jan 11	1	1	1	S	2	2	3	3	3	4	2	2	2	1	2	2	3	8	17	20	23	10	10	7	**1**	23	5.6
Jan 12	4	3	S	3	4	4	5	6	8	6	4	4	3	2	2	3	3	3	3	5	3	3	3	3	2	8	3.8
Jan 13	5	S	4	3	4	8	7	5	5	3	3	2	2	3	3	3	4	3	2	2	2	2	2	3	2	8	3.5
Jan 14	S	6	3	4	3	3	3	3	3	3	2	1	1	1	1	2	1	2	1	1	1	1	1	S	**1**	6	2.1
Jan 15	1	1	1	1	2	5	6	9	9	9	10	8	7	11	9	13	8	6	9	9	7	7	S	6	**1**	13	6.7
Jan 16	6	4	5	3	2	4	4	4	2	2	2	2	2	2	2	1	1	1	1	1	1	S	4	5	**1**	6	2.7
Jan 17	3	10	12	6	13	32	30	35	16	8	6	3	2	1	2	2	2	6	3	6	S	14	9	5	**1**	35	9.8
Jan 18	4	6	19	4	3	5	3	2	2	3	3	3	2	2	3	7	9	6	8	S	8	6	5	5	2	19	5.1
Jan 19	6	5	3	3	3	4	5	5	8	9	8	4	3	3	4	5	4	8	S	12	11	6	11	5	3	12	5.9
Jan 20	5	5	5	5	4	5	7	10	8	7	6	7	5	5	7	5	3	S	X	X	X	X	X	X	3	10	NA
Jan 21	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 22	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 26	X	X	X	X	X	X	NRM	X	X	NRM	X	X	X	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 29	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Jan 30	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	C	C	C	C	C	2	2	2	2	1	2	**1**	2	NA
Jan 31	1	1	2	2	1	1	S	3	3	3	1	1	2	1	2	2	3	7	8	1	1	1	1	1	**1**	8	**2.1**
Diurnal Maximum	17	14	19	16	21	32	30	35	30	37	34	8	10	11	13	13	16	15	17	20	23	24	26	16			
Diurnal Average	4.4	4.6	5.3	4.1	4.5	6.0	6.6	7.8	7.9	7.9	6.3	4.1	3.9	3.8	4.1	5.0	5.7	6.3	5.8	5.7	5.5	5.7	5.4	4.8			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



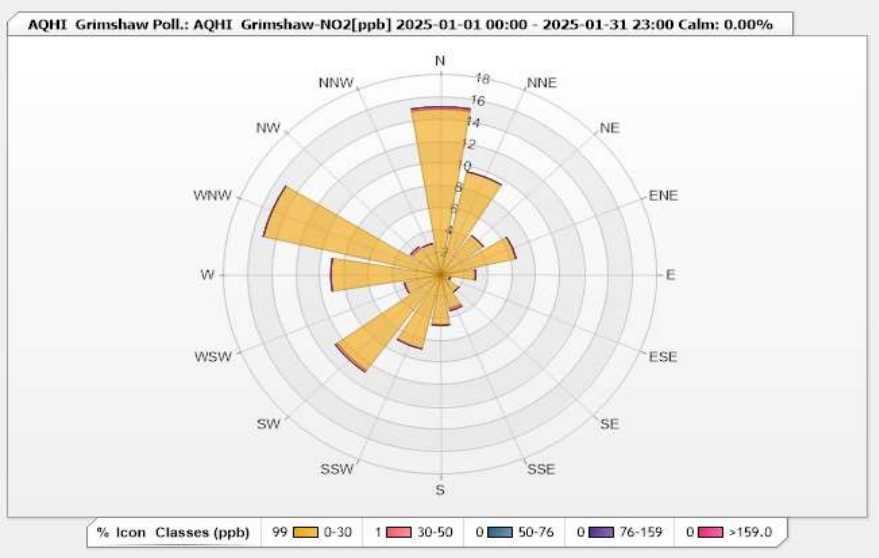


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 64.78% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	14.94	0.21	0	0	0	15.15
NNE	9.54	0	0	0	0	9.54
NE	4.36	0	0	0	0	4.36
ENE	6.43	0	0	0	0	6.43
E	2.9	0	0	0	0	2.9
ESE	0.83	0	0	0	0	0.83
SE	1.87	0	0	0	0	1.87
SSE	3.11	0.21	0	0	0	3.32
S	4.56	0	0	0	0	4.56
SSW	6.85	0	0	0	0	6.85
SW	10.58	0.21	0	0	0	10.79
WSW	3.11	0	0	0	0	3.11
W	9.13	0	0	0	0	9.13
WNW	15.15	0	0	0	0	15.15
NW	2.9	0.21	0	0	0	3.11
NNW	2.9	0	0	0	0	2.9
Summary	99.16	0.84	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

OZONE (O_3) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 76 ppb

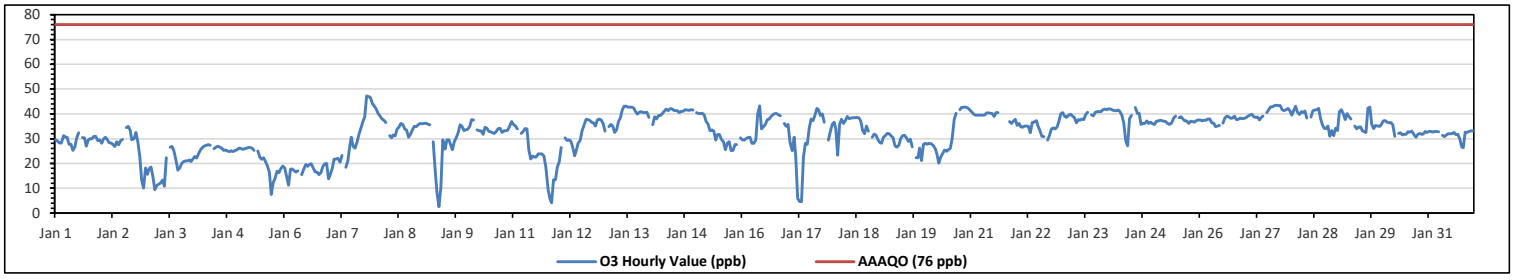
Number of 1-Hour Exceedances: 0

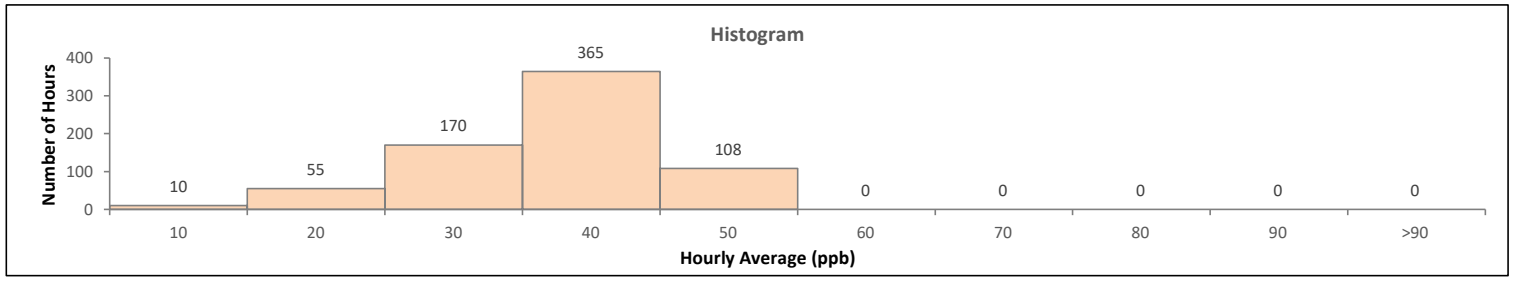
Maximum Hourly Value:	47.2	ppb	on Jan 7 at hr 19	Hours in Service:	744
Maximum Daily Value:	40.7	ppb	on Jan 27	Hours of Data:	708
Minimum Hourly Value:	2.6	ppb	on Jan 9 at hr 9	Hours of Missing Data:	0
Minimum Daily Value:	17.2	ppb	on Jan 6	Hours of Calibration:	36
Monthly Average:	32.2	ppb		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	29.6	29	28.2	28.2	31.2	30.5	30.5	27.8	27.8	25.3	26.6	30.3	32.3	S	30.4	30.2	27	29.5	29.9	29.9	30.8	31	29.1	29.5	25.3	32.3	29.3
Jan 2	28	29.9	30.5	29.6	28.4	28.2	27.8	26.8	28.7	27.5	29.1	29.7	S	34.4	34.9	33.4	29.6	29.9	32.5	28.7	22.9	13.1	10.1	18.2	10.1	34.9	27.5
Jan 3	15.5	17.7	18.6	14.8	9.4	11	11.6	12.1	13.2	10.8	22.3	S	26.6	26.8	24.9	21.4	17.3	18.2	20	20.8	21.1	21.1	21.4	20.8	9.4	26.8	18.1
Jan 4	21.7	22.8	22.2	23.9	25.5	26.5	27.1	27.3	27.6	27.3	S	25.9	26.5	26.9	26.5	26.1	25.3	25.4	25	24.8	25.2	24.7	25.2	25.5	21.7	27.6	25.4
Jan 5	26.2	26	25.7	25.9	26.1	26.4	26.4	26.1	25.3	S	25	22.5	21.6	22.3	20.8	19	16.5	7.4	12.2	14.1	16.9	16.2	17.9	19	7.4	26.4	21.1
Jan 6	18.2	14.7	11.1	17.6	17.7	17.2	16.5	17	S	15.4	17.5	19.5	18.9	19.6	19.8	18.2	16.7	16.5	15.4	16.2	18.7	19.8	20	13.8	11.1	20.0	**17.2**
Jan 7	15.7	18.1	21.6	21.7	22	20.5	23.2	S	18.4	20.9	26.7	30.5	26.8	26.2	28.6	31.7	34.2	36.7	38.8	**47.2**	47	46.6	44.1	43.3	15.7	**47.2**	30.0
Jan 8	41.9	40.2	39	37.9	37.4	36.5	S	31.2	30.2	31.5	31.1	33.8	34.7	36.1	35.8	33.9	33.4	30.5	31.8	33.5	34.9	34.8	35.6	36.2	30.2	41.9	34.9
Jan 9	36	36.2	36.3	35.9	35.6	S	28.7	17.5	8	2.6	10.5	29.6	25.8	29.6	29.6	27.3	25.5	28.8	30.4	32.3	35.6	34.9	33.3	33.5	**2.6**	36.3	28.0
Jan 10	33.8	34.9	37.7	37.5	S	33.6	33.1	33.2	31.7	34.5	34.2	32.9	32.7	32.3	32.2	32.9	34.1	34.2	32.4	33.2	33.2	33.4	35.1	36.8	31.7	37.7	33.9
Jan 11	35.8	35.1	33.9	S	32.2	32.9	34.1	34	25.3	21.7	22.9	22.5	22.6	23.8	23.8	23.8	22.9	18.5	9.5	5.7	4.1	13.4	13.3	18.5	4.1	35.8	23.1
Jan 12	20.7	26.4	S	30.2	29.3	29.6	29	26.5	23.1	25.2	28.2	29.2	33	35.8	37.8	37.6	37.2	36.5	36.4	35.1	37.5	38	37.5	36.2	20.7	38.0	32.0
Jan 13	33	S	34.8	35.8	35.1	32.4	33.6	36.9	38.5	41.6	43	43.1	42.7	42.8	42.7	42.3	41	39.9	40.7	40.9	40.6	40.5	40.7	38.6	32.4	43.1	39.2
Jan 14	S	35.6	38.8	38	39.3	39.3	40.2	41	41.9	41.3	42.1	42.1	41.4	41.2	41.2	40.5	41	41	41.6	41.5	41.4	41.6	41.5	S	35.6	42.1	40.6
Jan 15	40.6	40.2	40.1	40.3	39.4	36.9	35.9	33.1	33.6	33	29.4	31.6	31.7	29.7	28.8	25.5	28.1	28.8	25.1	25.3	27.6	27.6	S	30.2	25.1	40.6	32.3
Jan 16	29.5	29.4	30.1	30.4	30.5	28	28	29.4	39.9	43.2	34	34.8	35.7	37.6	38	38.9	39.7	40.2	40.2	39.6	39.2	S	36.1	34.9	28.0	43.2	35.1
Jan 17	35.7	28.5	25.1	30.6	22.6	5.9	4.6	4.6	22.6	28.1	27.7	34.2	38	37.3	39.5	42.2	41.6	39.3	40	36.6	S	29.4	32.8	35.7	4.6	42.2	29.7
Jan 18	36.6	34.1	23.4	35.9	37.8	36.1	37.2	38.9	38.1	38.3	38.5	38.5	38.6	38.5	37.1	33.3	32	35	33	S	30.6	31.9	31.3	29.8	23.4	38.9	35.0
Jan 19	28.5	28.1	30.5	31.2	32.1	32	31.1	30.4	27.1	26.5	27.3	30.1	31.2	31.4	30.2	28.9	29.8	26.7	S	22.3	22.3	26.2	21.2	27.7	21.2	32.1	28.4
Jan 20	28	27.8	28	27.9	27.2	25.9	23.8	20.1	22.5	23.9	25.4	24.9	25.6	26	30.2	37.6	40.3	S	41.6	42.6	42.8	42.7	42.4	41.7	20.1	42.8	31.3
Jan 21	40.8	40	39.5	39.4	39.4	39.4	39.4	39.4	40.4	40.4	40.3	40.1	38.9	40.5	40.6	C	C	C	C	C	36.9	36.2	37	37.8	36.2	40.8	39.3
Jan 22	35.4	36.1	34.8	34.5	35.1	35	34.9	32.3	36.5	36.7	37.3	35	33.3	31	30.8	S	29.4	31.4	34	34.3	33.9	34.8	37.3	40	29.4	40.0	34.5
Jan 23	40.5	39.1	38.6	39.5	39.9	39	38.5	36.4	37.6	37.4	37.9	37.7	39.7	40.7	S	39.6	39.2	40.7	40.8	40.9	40.8	41.6	41.9	41.7	36.4	41.9	39.6
Jan 24	42.1	41.9	41.5	41.2	41.3	41.5	40.9	39.5	36.4	29.3	27.1	38.1	39.3	S	42.6	40.1	40.3	35.7	36.2	36.2	37.1	36.1	36.6	36	27.1	42.6	38.1
Jan 25	35.8	37	37.1	37.4	37.2	37	36.9	36.1	35.8	36.4	38.4	39	S	38.5	38.8	38	37.1	37.1	36.1	37	36.9	36.6	37.3	37.5	35.8	39.0	37.2
Jan 26	37.5	37.1	37.4	37.4	37.9	37.9	36.4	36.3	34.8	35	35.3	S	36.3	38.4	39	38.8	38.2	38.4	39	37.7	37.8	38.3	38.1	38.2	34.8	39.0	37.4
Jan 27	38.5	39.1	39.4	39.8	38.8	38.6	38.7	37.5	38.6	39	S	40.5	41.6	42.9	42.9	43.3	43.4	43.3	43.3	41.7	41.2	41.7	42.2	41.2	37.5	43.4	**40.7**
Jan 28	39.5	41.3	43	40.7	39.7	40.8	40.5	41.1	38.4	S	38.7	41.3	41.5	41.7	42.2	38.2	35.9	34.2	34.1	35	30.9	33.3	31.2	34.2	30.9	43.0	38.1
Jan 29	33.3	40.9	41.7	40.2	37.7	40.1	38.8	37.9	S	35	34	34.7	34.7	33.2	32.7	32.4	42.3	42.7	35.8	34.1	35.3	35	34.9	35.7	32.4	42.7	36.7
Jan 30	37.1	37.2	36.6	36.4	36.5	35.5	31	S	32.1	32.3	31.5	31.7	31.8	32.7	32.6	33	31.6	30.6	31.8	32.1	31.7	31.9	32.9	32.4	30.6	37.2	33.2
Jan 31	32.9	32.9	32.6	32.8	32.9	32.7	S	31.4	30.8	31.4	32	32	32	32.4	31.6	31.8	30	26.7	26.3	32.6	32.5	32.9	33.1	33.2	26.3	33.2	31.7
Diurnal Maximum	42.1	41.9	43.0	41.2	41.3	41.5	40.9	41.1	41.9	43.2	43.0	43.1	42.7	42.9	42.9	43.3	43.4	43.3	43.3	47.2	47.0	46.6	44.1	43.3			
Diurnal Average	32.3	32.6	32.6	33.1	32.5	31.6	31.0	30.4	30.5	30.1	30.8	33.0	32.9	33.5	33.6	33.1	32.7	31.9	32.2	32.1	32.2	32.2	32.4	32.6			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



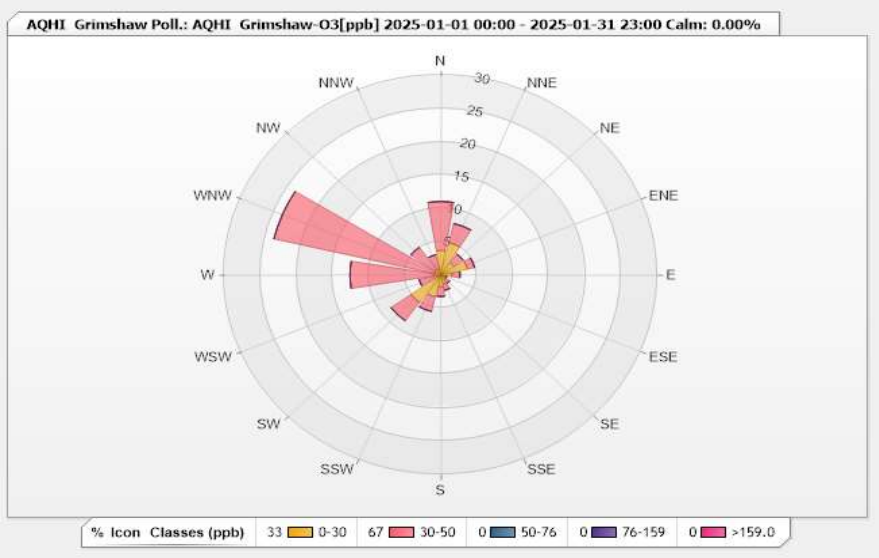


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.16% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	3.67	7.34	0	0	0	11.01
NNE	4.94	2.97	0	0	0	7.91
NE	2.26	1.55	0	0	0	3.81
ENE	3.81	0.99	0	0	0	4.8
E	1.55	1.13	0	0	0	2.68
ESE	0.28	0.56	0	0	0	0.84
SE	0.85	0.71	0	0	0	1.56
SSE	1.41	0.99	0	0	0	2.4
S	1.84	1.41	0	0	0	3.25
SSW	3.39	2.26	0	0	0	5.65
SW	5.08	3.39	0	0	0	8.47
WSW	0.42	2.68	0	0	0	3.1
W	0.99	11.58	0	0	0	12.57
WNW	0.85	22.88	0	0	0	23.73
NW	0.99	4.1	0	0	0	5.09
NNW	0.85	2.26	0	0	0	3.11
Summary	33.18	66.8	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

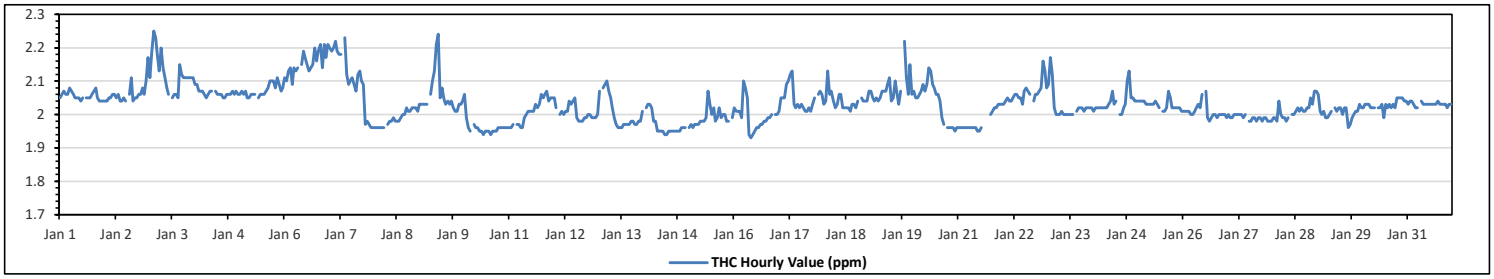
TOTAL HYDROCARBONS (THC) in ppm

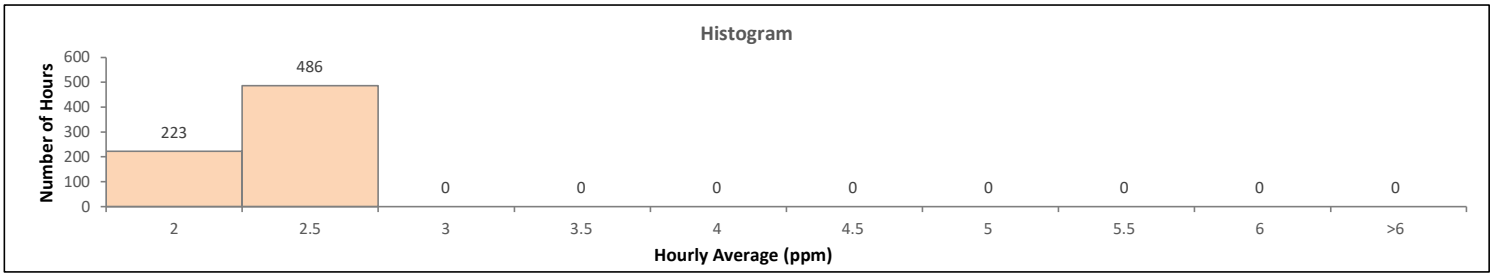
Maximum Hourly Value:	2.25	ppm	on Jan 3 at hr 2	Hours in Service:	744
Maximum Daily Value:	2.15	ppm	on Jan 6	Hours of Data:	709
Minimum Hourly Value:	1.93	ppm	on Jan 16 at hr 9	Hours of Missing Data:	0
Minimum Daily Value:	1.96	ppm	on Jan 10	Hours of Calibration:	35
Monthly Average:	2.03	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.05	2.06	2.07	2.06	2.06	2.08	2.07	2.06	2.05	2.05	2.05	2.04	2.05	S	2.05	2.05	2.05	2.06	2.07	2.08	2.05	2.04	2.04	2.04	2.04	2.08	2.06
Jan 2	2.04	2.04	2.05	2.05	2.06	2.06	2.05	2.06	2.04	2.04	2.05	2.04	S	2.06	2.11	2.04	2.05	2.05	2.06	2.06	2.08	2.06	2.10	2.17	2.04	2.17	2.06
Jan 3	2.11	2.19	2.25	2.23	2.18	2.13	2.20	2.14	2.11	2.08	2.06	S	2.05	2.06	2.06	2.05	2.15	2.12	2.11	2.11	2.11	2.11	2.11	2.11	2.05	2.25	2.12
Jan 4	2.09	2.09	2.07	2.07	2.07	2.06	2.05	2.06	2.07	2.07	S	2.07	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.06	2.07	2.06	2.07	2.06	2.05	2.09	2.06
Jan 5	2.06	2.07	2.06	2.07	2.05	2.05	2.06	2.06	2.06	S	2.05	2.06	2.06	2.06	2.07	2.08	2.10	2.10	2.10	2.08	2.11	2.09	2.07	2.08	2.05	2.11	2.07
Jan 6	2.11	2.10	2.13	2.14	2.09	2.14	2.13	2.14	S	2.15	2.19	2.17	2.15	2.13	2.14	2.15	2.20	2.16	2.19	2.21	2.14	2.21	2.17	2.21	2.09	2.21	2.15
Jan 7	2.20	2.19	2.20	2.22	2.19	2.18	2.18	S	2.23	2.12	2.09	2.10	2.11	2.09	2.07	2.12	2.13	2.10	2.09	1.97	1.98	1.97	1.96	1.96	1.96	2.23	2.11
Jan 8	1.96	1.96	1.96	1.96	1.96	1.96	S	1.97	1.98	1.98	1.99	1.98	1.98	1.98	1.99	2.00	2.00	2.02	2.01	2.01	2.02	2.02	2.02	2.01	1.96	2.02	1.99
Jan 9	2.03	2.03	2.03	2.03	2.03	S	2.06	2.10	2.13	2.21	2.24	2.05	2.08	2.05	2.03	2.04	2.03	2.04	2.02	2.01	2.01	2.03	2.03	2.04	2.01	2.24	2.06
Jan 10	2.06	1.99	1.96	1.95	S	1.97	1.96	1.96	1.95	1.95	1.94	1.95	1.95	1.95	1.94	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.94	2.06	1.96
Jan 11	1.96	1.96	1.97	S	1.97	1.97	1.96	1.96	1.99	2.00	2.01	2.01	2.01	2.01	2.03	2.02	2.03	2.06	2.05	2.06	2.07	2.04	2.05	2.05	1.96	2.07	2.01
Jan 12	2.05	2.02	S	2.00	2.01	2.00	2.01	2.01	2.04	2.03	2.04	2.05	1.99	1.98	1.98	1.98	1.99	1.99	2.00	2.00	1.99	1.99	1.99	2.00	1.98	2.05	2.01
Jan 13	2.07	S	2.08	2.09	2.10	2.07	2.05	2.02	1.99	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.98	1.98	2.01	1.96	2.10	2.00
Jan 14	S	2.02	2.03	2.03	2.02	1.98	1.98	1.95	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	S	1.94	2.03	1.97
Jan 15	1.96	1.97	1.96	1.97	1.97	1.97	1.98	1.98	1.98	1.99	2.07	2.03	2.00	2.02	1.98	1.99	2.02	1.99	2.00	2.00	1.98	1.98	S	1.99	1.96	2.07	1.99
Jan 16	2.02	2.01	2.01	2.01	1.99	2.10	2.08	2.05	1.94	1.93	1.94	1.95	1.96	1.96	1.97	1.97	1.98	1.98	1.99	1.99	2.00	S	2.00	2.00	1.93	2.10	1.99
Jan 17	2.01	2.05	2.05	2.05	2.09	2.10	2.12	2.13	2.03	2.02	2.03	2.02	2.03	2.02	2.01	2.01	2.02	2.01	2.03	2.05	S	2.06	2.07	2.06	2.01	2.13	2.05
Jan 18	2.03	2.04	2.13	2.06	2.07	2.04	2.02	2.03	2.06	2.06	2.02	2.02	2.02	2.02	2.01	2.03	2.03	2.02	2.04	S	2.05	2.04	2.04	2.04	2.01	2.13	2.04
Jan 19	2.07	2.07	2.05	2.04	2.05	2.04	2.05	2.07	2.07	2.07	2.09	2.11	2.04	2.05	2.10	2.06	2.03	2.07	S	2.22	2.11	2.06	2.15	2.06	2.03	2.22	2.08
Jan 20	2.07	2.05	2.05	2.06	2.07	2.09	2.07	2.09	2.14	2.13	2.09	2.08	2.06	2.06	2.04	1.99	1.97	S	1.96	1.96	1.96	1.96	1.95	1.96	1.95	2.14	2.04
Jan 21	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.96	C	C	C	C	2.00	2.01	2.02	2.02	2.03	2.03	2.03	1.95	2.03	1.98
Jan 22	2.03	2.04	2.05	2.04	2.04	2.05	2.06	2.06	2.05	2.05	2.03	2.07	2.08	2.07	2.06	S	2.04	2.06	2.06	2.07	2.08	2.16	2.13	2.08	2.03	2.16	2.06
Jan 23	2.09	2.17	2.12	2.02	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.00	S	2.01	2.02	2.02	2.02	2.01	2.02	2.02	2.02	2.02	2.00	2.17	2.02
Jan 24	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.07	2.03	2.04	S	2.00	2.00	2.02	2.03	2.10	2.13	2.05	2.05	2.04	2.04	2.00	2.13	2.04
Jan 25	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.02	S	2.01	2.01	2.02	2.07	2.05	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.07	2.03
Jan 26	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.02	2.03	2.02	2.06	S	2.07	1.99	1.98	1.99	2.00	2.00	1.99	2.00	2.00	2.00	2.00	1.99	1.98	2.07	2.01
Jan 27	2.00	1.99	1.99	2.00	2.00	2.00	2.00	2.00	1.99	2.00	S	1.98	1.98	1.99	1.99	1.98	1.99	1.99	1.98	1.99	1.99	1.98	1.98	1.98	1.98	2.00	1.99
Jan 28	1.99	1.99	1.98	2.04	2.00	1.99	1.99	1.98	1.99	S	2.00	2.00	2.01	2.02	2.01	2.02	2.01	2.01	2.02	2.02	2.05	2.03	2.07	2.07	1.98	2.07	2.01
Jan 29	2.06	2.01	2.00	2.01	1.99	1.99	2.00	2.01	S	2.02	2.01	2.02	2.02	2.00	2.02	2.02	1.96	1.97	1.99	2.00	2.01	2.01	2.03	2.02	1.96	2.06	2.01
Jan 30	2.02	2.03	2.03	2.03	2.02	2.02	2.02	S	2.02	2.02	2.03	1.99	2.03	2.02	2.03	2.02	2.03	2.02	2.05	2.05	2.05	2.05	2.04	2.04	1.99	2.05	2.03
Jan 31	2.03	2.04	2.04	2.03	2.02	2.02	S	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.02	2.04	2.03
Diurnal Maximum	2.20	2.19	2.25	2.23	2.19	2.18	2.20	2.14	2.23	2.21	2.24	2.17	2.15	2.13	2.14	2.15	2.20	2.16	2.19	2.22	2.14	2.21	2.17	2.21			
Diurnal Average	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.04	2.03	2.03	2.04	2.04			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



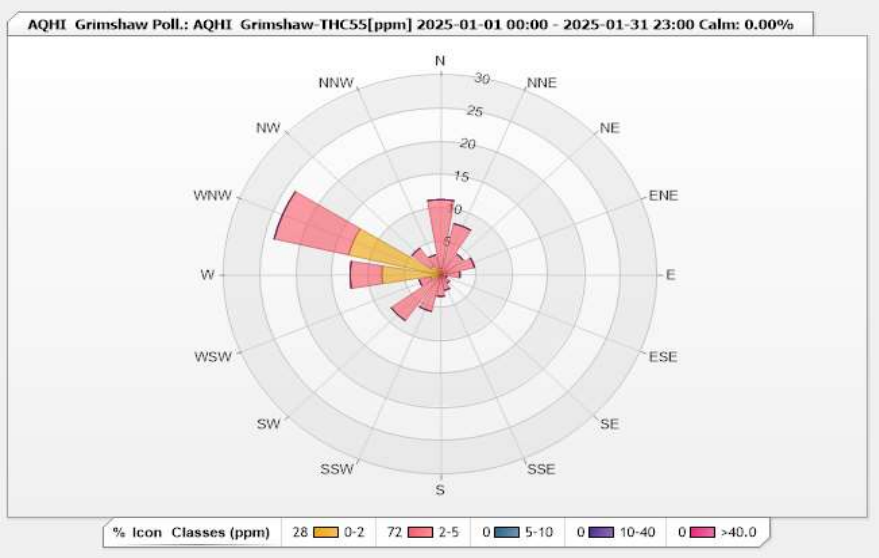


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-40	>40.0	Total
N	0.99	10.3	0	0	0	11.29
NNE	0	7.9	0	0	0	7.9
NE	0.42	3.39	0	0	0	3.81
ENE	0.85	3.95	0	0	0	4.8
E	0.42	2.26	0	0	0	2.68
ESE	0	0.85	0	0	0	0.85
SE	0	1.55	0	0	0	1.55
SSE	0.14	2.26	0	0	0	2.4
S	0	3.24	0	0	0	3.24
SSW	0.28	5.36	0	0	0	5.64
SW	0.14	8.32	0	0	0	8.46
WSW	1.41	1.69	0	0	0	3.1
W	8.18	4.37	0	0	0	12.55
WNW	13.12	10.58	0	0	0	23.7
NW	1.69	3.24	0	0	0	4.93
NNW	0.56	2.54	0	0	0	3.1
Summary	28.2	71.8	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

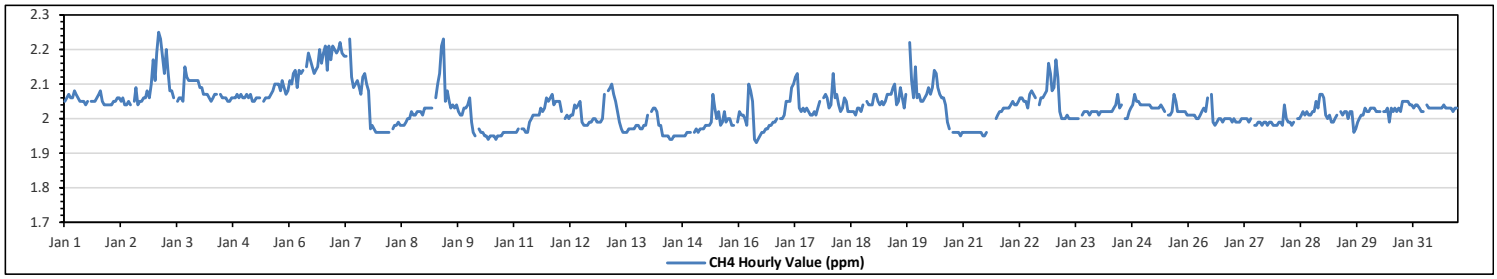
METHANE (CH4) in ppm

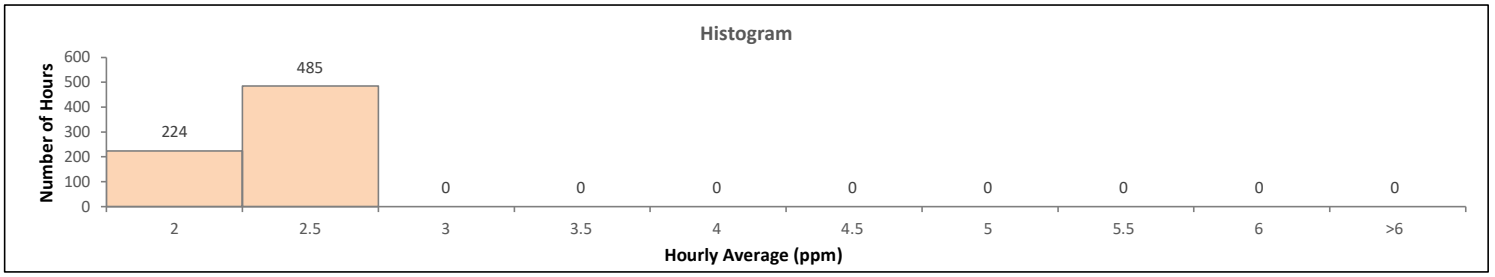
Maximum Hourly Value:	2.25	ppm	on Jan 3 at hr 2	Hours in Service:	744	
Maximum Daily Value:	2.15	ppm	on Jan 6	Hours of Data:	709	
Minimum Hourly Value:	1.93	ppm	on Jan 16 at hr 9	Hours of Missing Data:	0	
Minimum Daily Value:	1.96	ppm	on Jan 10	Hours of Calibration:	35	
Monthly Average:	2.03	ppm		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	2.05	2.06	2.07	2.06	2.06	2.08	2.07	2.06	2.05	2.05	2.05	2.04	2.05	S	2.05	2.05	2.05	2.06	2.07	2.08	2.05	2.04	2.04	2.04	2.04	2.08	2.06
Jan 2	2.04	2.04	2.05	2.05	2.06	2.06	2.05	2.06	2.04	2.04	2.05	2.04	S	2.05	2.09	2.04	2.05	2.05	2.06	2.06	2.08	2.06	2.10	2.17	2.04	2.17	2.06
Jan 3	2.11	2.19	2.25	2.23	2.18	2.13	2.20	2.14	2.08	2.08	2.06	S	2.05	2.06	2.06	2.05	2.15	2.12	2.11	2.11	2.11	2.11	2.11	2.11	2.05	2.25	2.12
Jan 4	2.09	2.09	2.07	2.07	2.07	2.06	2.05	2.06	2.07	2.07	S	2.07	2.06	2.06	2.06	2.05	2.05	2.06	2.06	2.06	2.07	2.06	2.07	2.06	2.05	2.09	2.06
Jan 5	2.06	2.07	2.06	2.07	2.05	2.05	2.06	2.06	2.06	S	2.05	2.06	2.06	2.06	2.07	2.08	2.10	2.10	2.10	2.08	2.11	2.09	2.07	2.08	2.05	2.11	2.07
Jan 6	2.11	2.10	2.13	2.14	2.09	2.14	2.13	2.14	S	2.15	2.19	2.17	2.15	2.13	2.14	2.15	2.20	2.16	2.19	2.21	2.14	2.21	2.17	2.21	2.09	2.21	2.15
Jan 7	2.20	2.19	2.20	2.22	2.19	2.18	2.18	S	2.23	2.12	2.09	2.10	2.11	2.09	2.07	2.12	2.13	2.10	2.08	1.97	1.98	1.97	1.96	1.96	1.96	2.23	2.11
Jan 8	1.96	1.96	1.96	1.96	1.96	1.96	S	1.97	1.98	1.98	1.99	1.98	1.98	1.98	1.99	2.00	2.00	2.02	2.01	2.01	2.02	2.02	2.02	2.01	1.96	2.02	1.99
Jan 9	2.03	2.03	2.03	2.03	2.03	S	2.06	2.10	2.13	2.21	2.23	2.05	2.08	2.05	2.03	2.04	2.03	2.04	2.02	2.01	2.01	2.03	2.03	2.04	2.01	2.23	2.06
Jan 10	2.06	1.99	1.96	1.95	S	1.97	1.96	1.96	1.95	1.95	1.94	1.95	1.95	1.95	1.94	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.94	2.06	1.96
Jan 11	1.96	1.96	1.97	S	1.97	1.97	1.96	1.96	1.99	2.00	2.01	2.01	2.01	2.01	2.03	2.02	2.03	2.06	2.05	2.06	2.07	2.04	2.05	2.05	1.96	2.07	2.01
Jan 12	2.05	2.02	S	2.00	2.01	2.00	2.01	2.01	2.04	2.03	2.04	2.05	1.99	1.98	1.98	1.98	1.99	1.99	2.00	2.00	1.99	1.99	1.99	2.00	1.98	2.05	2.01
Jan 13	2.07	S	2.08	2.09	2.10	2.07	2.05	2.02	1.99	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.98	1.98	1.97	1.97	1.98	1.98	2.01	1.96	2.10	2.00
Jan 14	S	2.02	2.03	2.03	2.02	1.98	1.98	1.95	1.95	1.95	1.95	1.94	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	S	1.94	2.03	1.97
Jan 15	1.96	1.97	1.96	1.97	1.97	1.97	1.98	1.98	1.98	1.99	2.07	2.03	2.00	2.02	1.98	1.99	2.02	1.99	2.00	2.00	1.98	1.98	S	1.99	1.96	2.07	1.99
Jan 16	2.02	2.01	2.01	2.00	1.98	2.10	2.08	2.05	1.94	1.93	1.94	1.95	1.96	1.96	1.97	1.97	1.98	1.98	1.99	1.99	2.00	S	2.00	2.00	1.93	2.10	1.99
Jan 17	2.01	2.05	2.05	2.05	2.09	2.10	2.12	2.13	2.03	2.02	2.03	2.02	2.03	2.02	2.01	2.01	2.02	2.01	2.03	2.05	S	2.06	2.07	2.06	2.01	2.13	2.05
Jan 18	2.03	2.04	2.13	2.06	2.07	2.04	2.02	2.03	2.06	2.05	2.02	2.02	2.02	2.02	2.01	2.03	2.03	2.02	2.04	S	2.05	2.04	2.04	2.04	2.01	2.13	2.04
Jan 19	2.07	2.07	2.05	2.04	2.05	2.04	2.05	2.07	2.07	2.07	2.09	2.10	2.04	2.05	2.09	2.06	2.03	2.07	S	2.22	2.11	2.06	2.15	2.06	2.03	2.22	2.07
Jan 20	2.07	2.05	2.05	2.06	2.07	2.09	2.07	2.09	2.14	2.13	2.09	2.07	2.06	2.06	2.04	1.99	1.97	S	1.96	1.96	1.96	1.96	1.95	1.96	1.95	2.14	2.04
Jan 21	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.96	C	C	C	C	2.00	2.01	2.02	2.02	2.03	2.03	2.03	1.95	2.03	1.98
Jan 22	2.03	2.04	2.05	2.04	2.04	2.05	2.06	2.06	2.05	2.05	2.03	2.07	2.08	2.07	2.06	S	2.04	2.06	2.06	2.07	2.08	2.16	2.13	2.08	2.03	2.16	2.06
Jan 23	2.09	2.17	2.12	2.02	2.00	2.00	2.00	2.01	2.00	2.00	2.00	2.00	2.00	2.00	S	2.01	2.02	2.02	2.02	2.01	2.02	2.02	2.02	2.02	2.00	2.17	2.02
Jan 24	2.01	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.03	2.04	2.07	2.03	2.04	S	2.00	2.00	2.02	2.03	2.04	2.07	2.05	2.05	2.04	2.04	2.00	2.07	2.03
Jan 25	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.02	S	2.01	2.01	2.02	2.07	2.05	2.02	2.02	2.02	2.02	2.02	2.01	2.01	2.07	2.03
Jan 26	2.01	2.01	2.01	2.01	2.00	2.00	2.01	2.02	2.03	2.02	2.06	S	2.07	1.99	1.98	1.99	2.00	2.00	1.99	2.00	2.00	2.00	2.00	1.99	1.98	2.07	2.01
Jan 27	2.00	1.99	1.99	1.99	2.00	2.00	2.00	2.00	1.99	2.00	S	1.98	1.98	1.99	1.99	1.98	1.99	1.99	1.98	1.99	1.99	1.98	1.98	1.98	1.98	2.00	1.99
Jan 28	1.99	1.99	1.98	2.04	2.00	1.99	1.99	1.98	1.99	S	2.00	2.00	2.01	2.02	2.01	2.02	2.01	2.01	2.02	2.02	2.05	2.03	2.07	2.07	1.98	2.07	2.01
Jan 29	2.06	2.01	2.00	2.01	1.99	1.99	2.00	2.01	S	2.02	2.01	2.02	2.02	2.00	2.02	2.02	1.96	1.97	1.99	2.00	2.01	2.01	2.03	2.02	1.96	2.06	2.01
Jan 30	2.02	2.03	2.03	2.03	2.02	2.02	2.02	S	2.02	2.02	2.03	1.99	2.03	2.02	2.03	2.02	2.03	2.02	2.05	2.05	2.05	2.05	2.04	2.04	1.99	2.05	2.03
Jan 31	2.03	2.04	2.04	2.03	2.02	2.02	S	2.04	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.03	2.02	2.03	2.03	2.02	2.04	2.03
Diurnal Maximum	2.20	2.19	2.25	2.23	2.19	2.18	2.20	2.14	2.23	2.21	2.23	2.17	2.15	2.13	2.14	2.15	2.20	2.16	2.19	2.22	2.14	2.21	2.17	2.21			
Diurnal Average	2.04	2.04	2.05	2.04	2.04	2.04	2.04	2.03	2.03	2.03	2.04	2.02	2.02	2.02	2.02	2.02	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.04			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



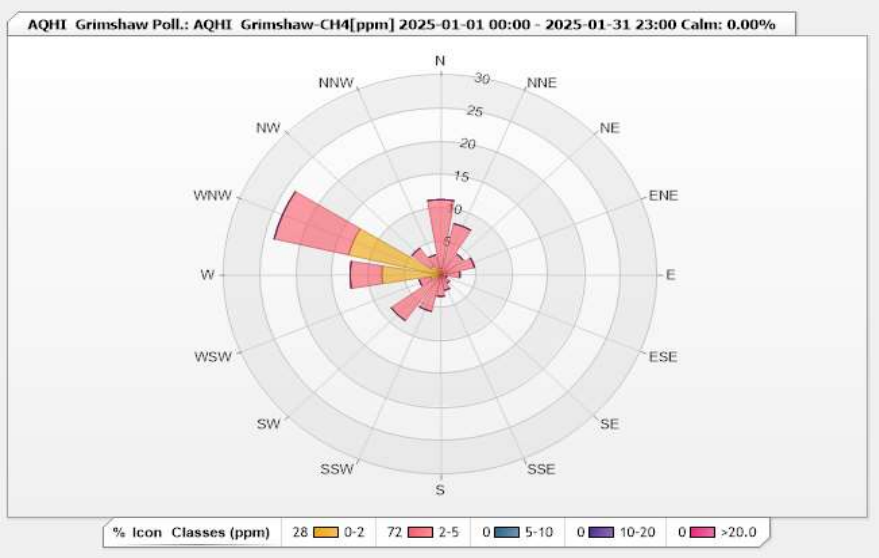


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppm]

Direction	0-2	2-5	5-10	10-20	>20.0	Total
N	0.99	10.3	0	0	0	11.29
NNE	0	7.9	0	0	0	7.9
NE	0.42	3.39	0	0	0	3.81
ENE	0.85	3.95	0	0	0	4.8
E	0.42	2.26	0	0	0	2.68
ESE	0	0.85	0	0	0	0.85
SE	0	1.55	0	0	0	1.55
SSE	0.14	2.26	0	0	0	2.4
S	0	3.24	0	0	0	3.24
SSW	0.28	5.36	0	0	0	5.64
SW	0.14	8.32	0	0	0	8.46
WSW	1.41	1.69	0	0	0	3.1
W	8.18	4.37	0	0	0	12.55
WNW	13.12	10.58	0	0	0	23.7
NW	1.69	3.24	0	0	0	4.93
NNW	0.56	2.54	0	0	0	3.1
Summary	28.2	71.8	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

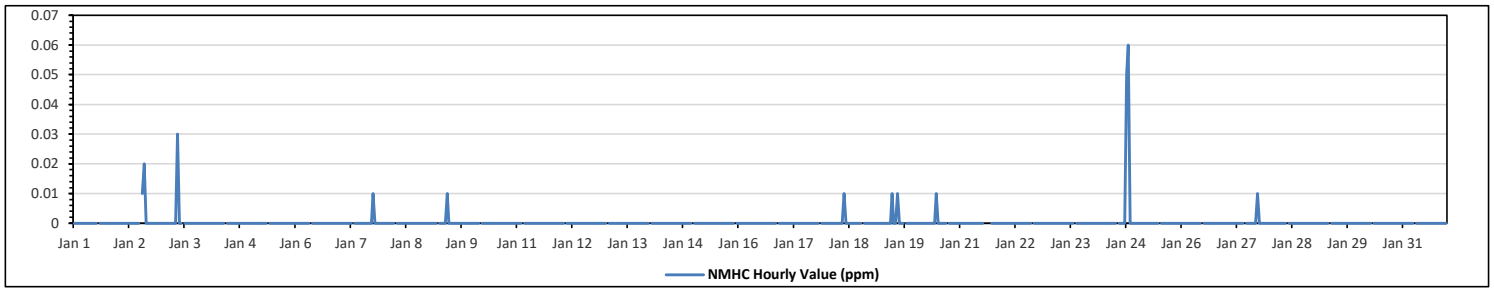
NON-METHANE HYDROCARBONS (NMHC) in ppm

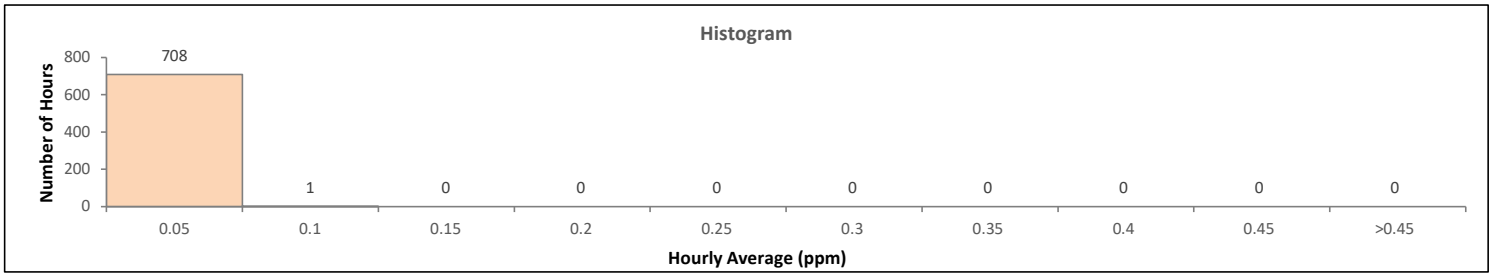
Maximum Hourly Value:	0.06	ppm	on Jan 24 at hr 19	Hours in Service:	744
Maximum Daily Value:	0.00	ppm	on Jan 24	Hours of Data:	709
Minimum Hourly Value:	0.00	ppm	on Jan 1 at hr 0	Hours of Missing Data:	0
Minimum Daily Value:	0.00	ppm	on Jan 1	Hours of Calibration:	35
Monthly Average:	0.00	ppm		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Jan 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Jan 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jan 8	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 9	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jan 10	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 11	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 12	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 13	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 14	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00
Jan 15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00
Jan 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00
Jan 17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00
Jan 18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jan 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jan 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jan 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	C	C	C	C	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.05	**0.06**	0.00	0.00	0.00	0.00	0.00	**0.06**	**0.00**
Jan 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Jan 28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jan 31	0.00	0.00	0.00	0.00	0.00	0.00	S	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Diurnal Maximum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.01	0.01	0.00	0.01	0.02	0.00	0.00	0.01	0.05	0.06	0.00	0.00	0.00	0.00			
Diurnal Average	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



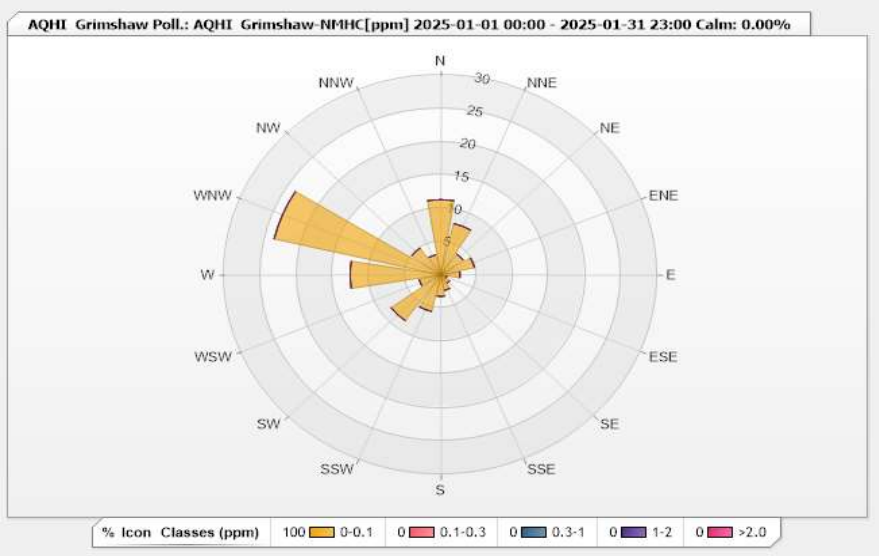


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 95.30% Calm Avg: 0.00 [ppm]

Direction	0-0.1	0.1-0.3	0.3-1	1-2	>2.0	Total
N	11.28	0	0	0	0	11.28
NNE	7.9	0	0	0	0	7.9
NE	3.81	0	0	0	0	3.81
ENE	4.8	0	0	0	0	4.8
E	2.68	0	0	0	0	2.68
ESE	0.85	0	0	0	0	0.85
SE	1.55	0	0	0	0	1.55
SSE	2.4	0	0	0	0	2.4
S	3.24	0	0	0	0	3.24
SSW	5.64	0	0	0	0	5.64
SW	8.46	0	0	0	0	8.46
WSW	3.1	0	0	0	0	3.1
W	12.55	0	0	0	0	12.55
WNW	23.7	0	0	0	0	23.7
NW	4.94	0	0	0	0	4.94
NNW	3.1	0	0	0	0	3.1
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

PARTICULATE MATTER 2.5 ($PM_{2.5}$) in µg/m^3

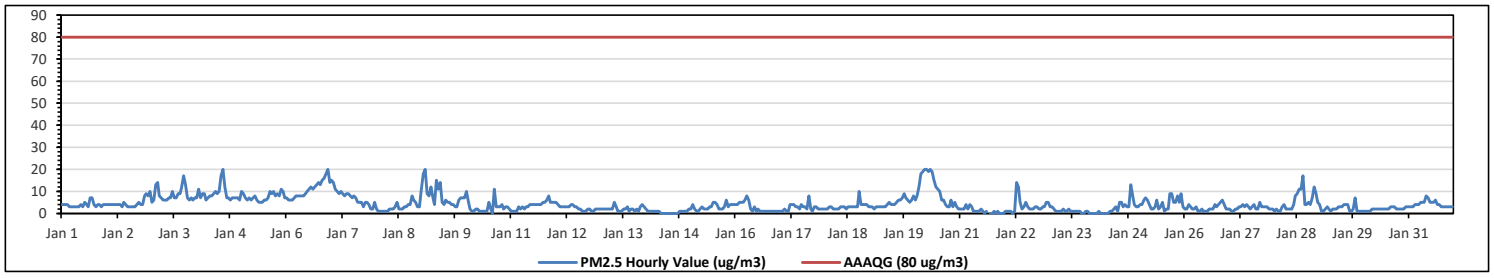
Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m3, Alberta Ambient Air Quality Objective (AAAQO): 24-Hour 29 µg/m3

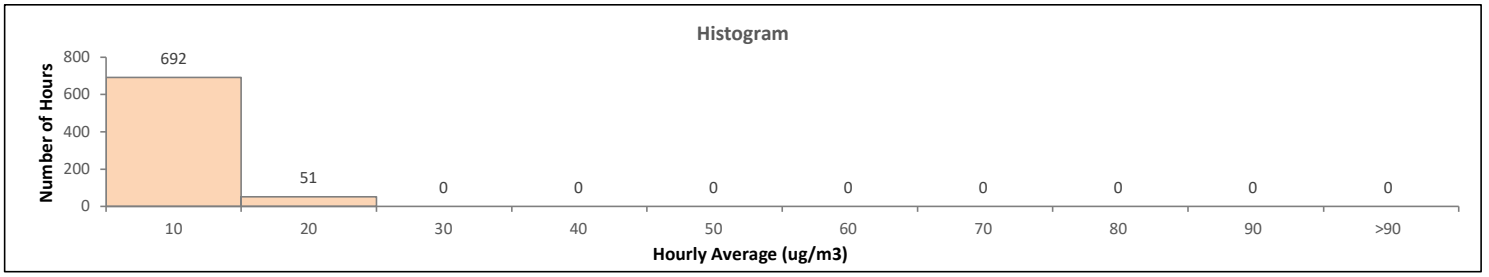
Number of 1-Hour Exceedances:	0	Number of 24-Hour Exceedances:	0
Maximum Hourly Value:	20 µg/m^3 on Jan 4 at hr 14	Hours in Service:	744
Maximum Daily Value:	10.8 µg/m^3 on Jan 6	Hours of Data:	743
Minimum Hourly Value:	0 µg/m^3 on Jan 10 at hr 14	Hours of Missing Data:	0
Minimum Daily Value:	1 µg/m^3 on Jan 14	Hours of Calibration:	1
Monthly Average:	4.3 µg/m^3	Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	4	4	4	4	3	3	3	3	3	3	4	3	5	4	3	7	7	4	3	4	4	3	4	4	3	7	3.9
Jan 2	4	4	4	4	4	4	4	4	3	5	4	3	3	3	3	3	4	5	4	4	8	9	8	10	3	10	4.6
Jan 3	5	6	13	14	8	7	6	6	6	7	7	10	7	7	9	9	12	17	13	7	6	7	6	7	5	17	8.4
Jan 4	7	11	7	9	9	6	7	8	8	9	10	9	10	17	**20**	12	7	7	6	7	7	7	7	6	6	**20**	8.9
Jan 5	10	9	7	6	7	6	7	8	6	5	5	5	6	6	7	10	9	10	8	9	8	11	10	7	5	11	7.6
Jan 6	7	6	6	6	7	8	8	8	8	8	9	10	11	12	11	12	13	14	13	15	16	18	**20**	14	6	**20**	**10.8**
Jan 7	15	14	11	10	9	10	9	8	9	9	8	7	8	7	5	5	5	3	5	5	4	2	2	5	2	15	7.3
Jan 8	2	1	1	1	1	1	1	2	2	2	3	5	2	2	2	3	3	4	4	8	6	5	3	3	1	8	2.8
Jan 9	11	18	**20**	9	8	12	8	4	15	11	14	5	4	6	5	5	4	4	3	3	6	7	7	7	3	**20**	8.2
Jan 10	10	6	2	1	1	2	2	1	1	1	1	1	5	2	0	11	3	3	3	4	2	3	3	2	**0**	11	2.9
Jan 11	1	1	1	1	3	2	3	2	3	3	4	4	4	4	4	4	4	5	5	6	8	5	5	5	1	8	3.6
Jan 12	5	4	3	3	3	3	3	3	4	4	3	3	2	2	1	1	1	2	2	1	1	2	2	2	1	5	2.5
Jan 13	2	2	2	2	2	2	2	5	3	1	1	1	2	2	3	1	2	2	1	2	1	3	4	3	1	5	2.1
Jan 14	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	**0**	2	**0.7**
Jan 15	2	4	2	1	1	2	3	2	2	2	3	3	5	5	4	2	2	2	3	6	3	4	4	4	1	6	3.0
Jan 16	4	4	5	5	5	6	8	6	2	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	8	2.6
Jan 17	1	1	2	1	1	4	4	4	3	3	2	4	3	3	2	8	2	1	3	3	2	2	2	2	1	8	2.6
Jan 18	2	2	3	3	2	2	2	2	3	3	3	2	3	3	3	3	3	3	10	4	4	4	4	3	2	10	3.2
Jan 19	3	3	2	3	3	3	3	3	3	4	5	4	4	4	5	6	6	7	9	7	6	5	6	8	2	9	4.7
Jan 20	6	8	12	18	19	**20**	**20**	19	**20**	19	15	12	11	10	6	6	4	3	3	6	3	5	3	2	2	**20**	10.4
Jan 21	2	2	2	4	2	4	3	1	1	1	1	2	1	0	1	**C**	0	0	1	0	1	0	0	0	**0**	4	1.3
Jan 22	1	1	1	1	0	1	14	12	5	2	3	5	3	2	2	2	3	3	2	2	3	3	5	5	**0**	14	3.4
Jan 23	3	3	2	1	1	1	1	2	1	1	2	1	1	1	1	1	1	0	0	1	1	0	0	0	**0**	3	1.1
Jan 24	0	0	1	0	0	0	0	0	1	1	2	3	1	5	5	3	4	3	3	13	8	4	3	3	**0**	13	2.6
Jan 25	4	4	6	7	6	4	2	2	3	6	2	3	5	1	2	2	9	9	5	5	8	5	9	3	1	9	4.7
Jan 26	2	2	4	3	2	2	3	1	1	2	1	1	1	2	2	2	4	3	4	5	6	4	2	2	1	6	2.5
Jan 27	2	1	1	2	2	3	3	4	3	4	3	2	3	4	2	2	5	3	3	3	3	2	2	2	1	5	2.7
Jan 28	1	2	1	1	3	4	2	2	2	2	4	8	9	11	11	17	4	4	5	4	7	12	9	5	1	17	5.4
Jan 29	4	1	1	2	3	2	1	2	2	2	3	3	3	4	4	4	1	1	2	7	1	1	1	1	1	7	2.3
Jan 30	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	3	3	1	3	2.0
Jan 31	3	3	3	4	4	4	5	5	5	8	7	5	5	5	6	4	4	3	3	3	3	3	3	3	3	8	4.2
Diurnal Maximum	15	18	20	18	19	20	20	19	20	19	15	12	11	17	20	17	13	17	13	15	16	18	20	14			
Diurnal Average	4.1	4.2	4.2	4.1	3.9	4.2	4.5	4.3	4.2	4.2	4.3	4.1	4.2	4.4	4.3	5.0	4.2	4.1	4.2	4.8	4.5	4.5	4.5	4.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





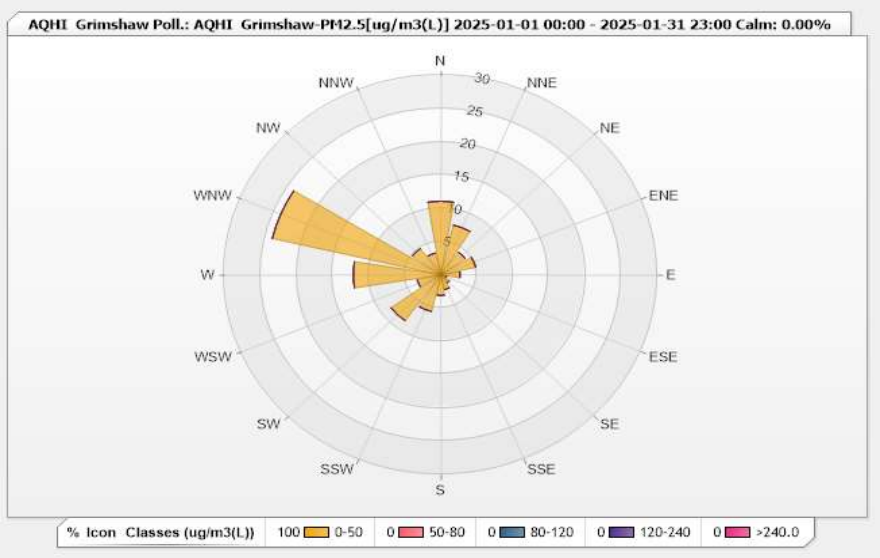
Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 01-2025

.)]

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 99.87% Calm Avg: 0.00 [ug/m3(L)]

Direction	0-50	50-80	80-120	120-240	>240.0	Total
N	11.04	0	0	0	0	11.04
NNE	7.67	0	0	0	0	7.67
NE	4.17	0	0	0	0	4.17
ENE	4.98	0	0	0	0	4.98
E	2.69	0	0	0	0	2.69
ESE	0.81	0	0	0	0	0.81
SE	1.48	0	0	0	0	1.48
SSE	2.29	0	0	0	0	2.29
S	3.1	0	0	0	0	3.1
SSW	5.65	0	0	0	0	5.65
SW	8.48	0	0	0	0	8.48
WSW	3.36	0	0	0	0	3.36
W	12.11	0	0	0	0	12.11
WNW	23.96	0	0	0	0	23.96
NW	4.85	0	0	0	0	4.85
NNW	3.36	0	0	0	0	3.36
Summary	100	0	0	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

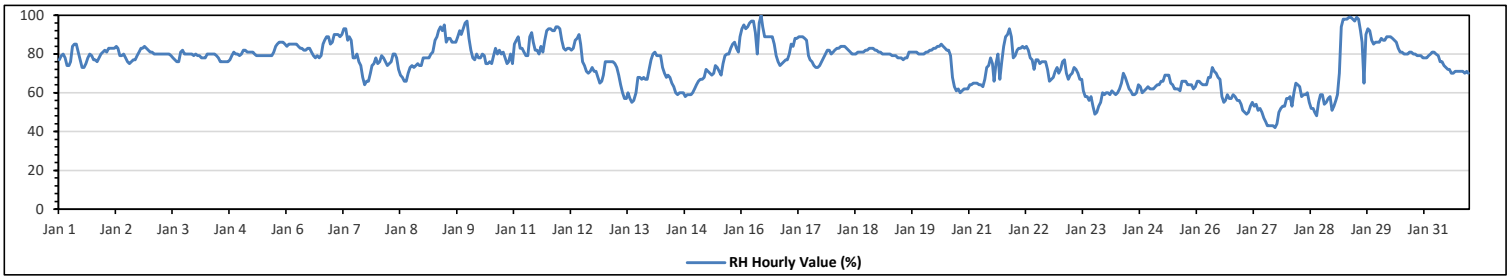
RELATIVE HUMIDITY (RH) in %

Maximum Hourly Value:	100	%	on Jan 16 at hr 10	Hours in Service:	744	
Maximum Daily Value:	88.0	%	on Jan 16	Hours of Data:	744	
Minimum Hourly Value:	42	%	on Jan 27 at hr 17	Hours of Missing Data:	0	
Minimum Daily Value:	49.3	%	on Jan 27	Hours of Calibration:	0	
Monthly Average:	75.3	%		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	77	79	80	78	74	74	76	84	85	85	81	77	73	73	75	78	80	79	77	77	76	78	80	81	73	85	78.2
Jan 2	82	81	83	83	83	83	84	83	79	79	80	78	76	75	76	77	77	79	81	83	83	84	83	82	75	84	80.6
Jan 3	81	81	80	80	80	80	80	80	80	80	80	79	78	77	76	76	81	82	80	80	80	80	80	79	76	82	79.6
Jan 4	80	79	79	78	78	78	80	80	80	80	80	79	78	76	76	76	76	76	77	79	81	80	80	79	76	81	78.5
Jan 5	80	82	82	81	81	81	81	80	79	79	79	79	79	79	79	79	79	81	84	85	86	86	86	85	79	86	81.3
Jan 6	84	85	85	85	85	85	84	83	83	82	82	83	83	81	79	78	79	78	79	85	87	89	89	85	78	89	83.3
Jan 7	86	90	90	90	89	90	93	93	87	89	87	78	78	80	76	74	68	64	66	66	70	74	75	78	64	93	80.5
Jan 8	75	76	79	78	76	74	75	76	80	80	78	72	69	68	66	66	70	73	74	73	74	75	74	74	66	80	74.0
Jan 9	78	78	78	78	80	81	87	89	92	94	92	95	86	88	88	86	86	86	89	92	90	93	96	97	78	97	87.5
Jan 10	88	82	78	77	80	78	78	80	79	75	75	76	75	79	83	80	82	80	81	78	75	76	80	75	75	88	78.8
Jan 11	85	87	89	83	83	81	79	79	89	91	86	82	82	80	84	81	87	92	93	93	92	92	94	94	79	94	86.6
Jan 12	93	87	83	82	83	83	82	83	87	88	90	85	76	74	71	70	71	73	71	71	68	65	66	69	65	93	78.0
Jan 13	76	76	76	76	76	75	73	69	64	60	57	57	60	57	55	56	60	68	68	67	68	67	67	72	55	76	66.7
Jan 14	77	80	81	79	79	79	73	70	68	69	68	65	63	60	59	60	60	60	58	59	59	59	60	62	58	81	67.0
Jan 15	64	66	67	67	68	72	71	70	69	70	74	73	71	69	75	79	80	80	83	85	86	83	81	89	64	89	74.7
Jan 16	93	95	93	94	96	97	97	91	80	96	**100**	94	89	89	89	89	89	85	79	76	74	75	76	77	74	**100**	**88.0**
Jan 17	77	80	85	84	88	88	89	89	89	88	87	79	77	76	74	73	73	74	76	78	80	82	82	80	73	89	81.2
Jan 18	81	82	83	83	84	84	84	83	82	81	80	80	80	81	81	81	81	82	82	83	83	83	82	82	80	84	82.0
Jan 19	81	81	80	80	80	80	80	79	79	79	78	78	78	77	78	78	81	81	81	81	81	80	80	80	77	81	79.6
Jan 20	80	81	81	82	82	83	83	84	84	85	84	83	82	82	79	68	63	61	62	60	61	62	62	62	60	85	74.8
Jan 21	64	64	65	65	65	64	64	63	67	73	74	78	75	66	75	80	67	76	84	89	90	93	89	78	63	93	73.7
Jan 22	79	82	83	83	84	83	84	82	78	77	72	77	77	75	76	76	76	72	66	67	68	71	73	70	66	84	76.3
Jan 23	72	76	77	70	67	69	70	73	72	70	67	67	61	58	58	56	58	53	49	50	53	55	60	59	49	77	63.3
Jan 24	60	60	59	61	60	59	60	62	65	70	68	65	62	61	59	59	60	64	63	60	61	62	63	62	59	70	61.9
Jan 25	62	62	63	64	64	66	66	69	69	69	65	64	62	62	62	61	66	66	66	64	64	64	62	63	61	69	64.4
Jan 26	66	66	65	64	64	64	68	68	73	71	70	68	67	58	55	56	59	57	57	59	58	56	56	54	54	73	62.5
Jan 27	51	50	49	50	53	55	53	54	51	52	50	47	45	43	43	43	43	**42**	44	50	52	53	53	57	**42**	57	**49.3**
Jan 28	57	58	53	60	65	64	63	58	59	59	60	55	52	52	50	48	55	59	59	54	55	57	58	51	48	65	56.7
Jan 29	53	56	59	70	94	98	98	98	99	99	98	97	99	98	92	86	65	90	93	92	87	85	86	86	53	99	86.6
Jan 30	86	88	87	87	89	89	89	88	87	86	83	81	81	80	80	80	81	81	80	80	79	79	79	78	78	89	83.3
Jan 31	78	78	79	80	81	81	80	79	76	76	74	73	72	72	70	70	71	71	71	71	71	70	71	70	70	81	74.4
Diurnal Maximum	93	95	93	94	96	98	98	98	99	99	100	97	99	98	92	89	89	92	93	93	92	93	96	97			
Diurnal Average	75.7	76.4	76.5	76.5	77.8	78.0	78.2	78.0	77.8	78.5	77.4	75.6	73.7	72.5	72.2	71.6	71.7	73.1	73.3	73.8	73.9	74.5	74.9	74.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

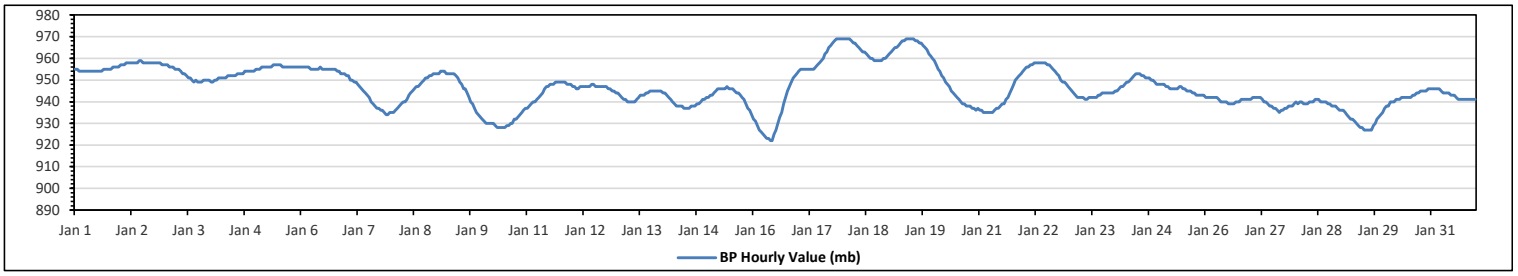
BAROMETRIC PRESSURE (BP) in millibar

Maximum Hourly Value:	969	mb	on Jan 17 at hr 20	Hours in Service:	744	
Maximum Daily Value:	966	mb	on Jan 19	Hours of Data:	744	
Minimum Hourly Value:	922	mb	on Jan 16 at hr 9	Hours of Missing Data:	0	
Minimum Daily Value:	931	mb	on Jan 10	Hours of Calibration:	0	
Monthly Average:	947	mb		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																								Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	955	955	954	954	954	954	954	954	954	954	954	954	954	954	954	955	955	955	955	955	956	956	956	956	954	956	955
Jan 2	957	957	957	958	958	958	958	958	958	958	959	959	958	958	958	958	958	958	958	958	958	958	957	957	957	959	958
Jan 3	957	957	956	956	956	955	955	955	954	953	953	952	951	951	950	949	950	949	949	949	950	950	950	950	949	957	952
Jan 4	949	949	950	950	951	951	951	951	951	952	952	952	952	952	953	953	953	953	954	954	954	954	954	954	949	954	952
Jan 5	955	955	955	956	956	956	956	956	956	957	957	957	957	957	956	956	956	956	956	956	956	956	956	956	955	957	956
Jan 6	956	956	956	956	956	955	955	955	955	955	956	955	955	955	955	955	955	955	955	954	954	953	953	953	953	956	955
Jan 7	952	952	950	950	949	949	948	947	946	945	944	943	942	940	939	938	937	937	936	936	935	934	934	935	934	952	942
Jan 8	935	935	936	937	938	939	940	940	941	943	944	945	946	947	947	948	949	950	951	951	952	952	953	953	935	953	945
Jan 9	953	953	954	954	954	953	953	953	953	953	952	951	949	948	946	946	944	942	940	939	937	935	934	933	933	954	947
Jan 10	932	931	930	930	930	930	930	929	928	928	928	928	928	929	929	930	930	932	932	933	934	935	936	937	928	937	**931**
Jan 11	937	938	939	940	940	941	942	943	944	946	947	947	948	948	948	949	949	949	949	949	949	948	948	948	937	949	945
Jan 12	947	947	946	946	947	947	947	947	947	947	948	948	947	947	947	947	947	947	947	946	946	945	945	944	944	948	947
Jan 13	944	943	942	941	941	940	940	940	940	940	941	942	943	943	943	944	944	945	945	945	945	945	945	945	940	945	943
Jan 14	944	944	943	942	941	940	939	938	938	938	938	937	937	937	937	938	938	938	939	939	940	941	941	942	937	944	940
Jan 15	942	943	943	944	945	946	946	946	946	946	947	946	946	946	945	944	944	943	942	941	939	937	936	934	934	947	943
Jan 16	932	931	929	927	926	925	924	923	923	**922**	**922**	925	927	930	933	935	939	942	945	947	949	951	952	953	**922**	953	934
Jan 17	954	955	955	955	955	955	955	955	955	956	957	958	959	960	962	963	965	966	967	968	**969**	**969**	**969**	**969**	954	**969**	960
Jan 18	**969**	**969**	**969**	**969**	968	967	967	966	965	964	963	963	962	961	960	960	959	959	959	959	959	960	960	961	959	**969**	963
Jan 19	962	963	964	965	965	966	967	968	968	**969**	**969**	**969**	**969**	**969**	968	968	967	967	966	965	964	962	961	960	960	**969**	**966**
Jan 20	959	957	955	954	952	951	949	948	947	945	944	943	942	941	940	939	939	938	938	938	937	937	936	937	936	959	944
Jan 21	936	936	935	935	935	935	935	935	936	937	937	938	939	939	941	942	944	946	948	950	951	952	953	954	935	954	941
Jan 22	955	956	956	957	957	958	958	958	958	958	958	958	957	957	956	955	954	953	952	950	949	949	948	947	947	958	955
Jan 23	946	945	944	943	942	942	942	942	941	941	942	942	942	942	942	943	943	944	944	944	944	944	944	944	941	946	943
Jan 24	945	945	946	947	947	948	949	949	950	951	952	953	953	953	952	952	951	951	951	950	950	949	948	948	945	953	950
Jan 25	948	948	948	947	947	946	946	946	946	946	947	947	946	946	945	945	945	944	944	943	943	943	943	943	943	948	946
Jan 26	942	942	942	942	942	942	942	941	940	940	940	940	939	939	939	939	940	940	940	941	941	941	941	941	939	942	941
Jan 27	941	942	942	942	942	942	941	940	940	939	938	938	937	937	936	935	936	936	937	937	938	938	938	939	935	942	939
Jan 28	940	939	940	940	939	939	939	940	940	940	941	941	941	940	940	940	940	939	939	938	938	938	937	936	936	941	939
Jan 29	936	936	935	934	933	932	932	931	930	929	928	928	927	927	927	927	927	929	930	932	933	934	935	937	927	937	931
Jan 30	938	938	940	940	940	941	941	941	942	942	942	942	942	942	943	943	944	944	945	945	945	945	946	946	938	946	942
Jan 31	946	946	946	946	946	945	944	944	944	944	943	943	943	942	941	941	941	941	941	941	941	941	941	941	941	946	943
Diurnal Maximum	969	969	969	969	968	967	967	968	968	969	969	969	969	969	968	968	967	967	967	968	969	969	969	969			
Diurnal Average	947	947	947	947	947	947	947	946	946	946	947	947	946	946	946	946	947	947	947	947	947	947	947	947			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

AMBIENT TEMPERATURE (AT) in Degree Celsius

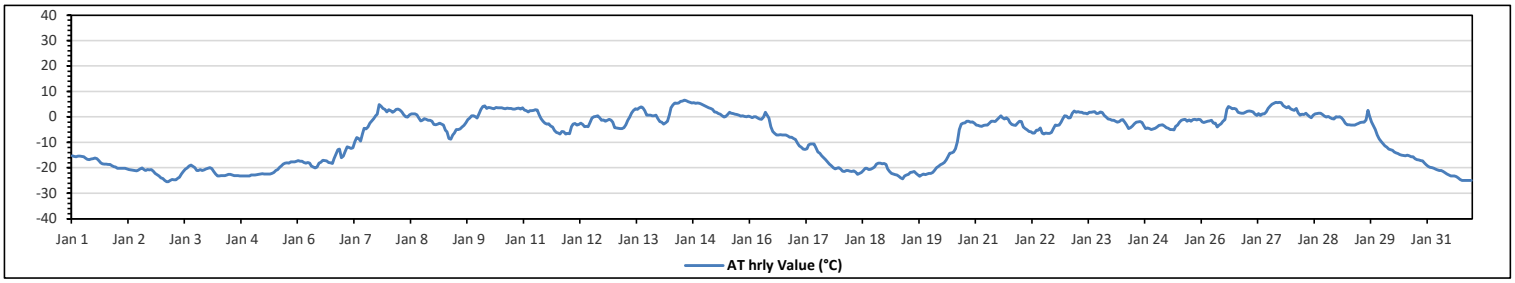
Maximum Hourly Value:	6.6	°C	on Jan 14 at hr 13	Hours in Service:	744	
Maximum Daily Value:	3.7	°C	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	-25.4	°C	on Jan 3 at hr 2	Hours of Missing Data:	0	
Minimum Daily Value:	-22.6	°C	on Jan 31	Hours of Calibration:	0	
Monthly Average:	-7.9	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	-15.3	-15.5	-15.6	-15.4	-15.4	-15.5	-15.6	-16.2	-16.6	-16.8	-16.5	-16.3	-16.2	-16.4	-17.2	-18	-18.4	-18.5	-18.6	-18.7	-18.7	-19.1	-19.5	-19.7	-19.7	-15.3	-17.1
Jan 2	-20.2	-20.2	-20.2	-20.2	-20.2	-20.4	-20.6	-20.8	-20.9	-21.1	-21.2	-20.9	-20.4	-20.1	-20.6	-21.1	-20.7	-20.8	-20.7	-21.3	-22.2	-22.7	-23.2	-23.9	-23.9	-20.1	-21.0
Jan 3	-24.2	-25	**-25.4**	**-25.4**	-24.9	-24.6	-24.7	-24.7	-24.1	-23.7	-22.5	-21.5	-20.5	-20.1	-19.3	-18.9	-19.4	-19.9	-21	-21	-20.7	-21	-20.8	-20.4	**-25.4**	-18.9	-22.2
Jan 4	-20.2	-20	-20.3	-21.5	-22.4	-23.1	-23.1	-23	-23	-23	-22.8	-22.6	-22.6	-22.8	-23	-23	-23	-23.1	-23.2	-23.1	-23.2	-23.2	-23.1	-22.9	-23.2	-20.0	-22.6
Jan 5	-22.8	-22.8	-22.7	-22.6	-22.4	-22.3	-22.4	-22.5	-22.5	-22.5	-22.2	-21.7	-21.1	-20.6	-19.8	-19.2	-18.6	-18.1	-18	-18.1	-17.6	-17.6	-17.6	-17.4	-22.8	-17.4	-20.5
Jan 6	-17.2	-17.4	-17.4	-17.9	-18.1	-17.9	-18.2	-19.2	-19.6	-20.1	-19.6	-18.2	-17.8	-17	-17.1	-17.3	-17.9	-18	-18.3	-16.3	-14.6	-12.9	-12.6	-16	-20.1	-12.6	-17.4
Jan 7	-15.4	-13.5	-11.7	-12	-12.3	-12.1	-9.7	-8.1	-8.4	-9.5	-6.6	-4.4	-4.7	-4	-2.4	-1.5	-0.6	0.4	1.1	4.9	4.2	3.3	3	2	-15.4	4.9	-4.9
Jan 8	2.8	2.5	1.9	2.3	2.9	3.1	2.7	2	0.8	0	-0.1	0.9	1.2	1.2	1.2	0.9	-0.4	-1.5	-1.3	-0.6	-0.9	-1.4	-1.3	-1.6	-1.6	3.1	0.7
Jan 9	-2.9	-3	-2.8	-2.4	-2.8	-3.1	-5.2	-5.8	-8.4	-8.7	-7.1	-6.3	-5	-5	-4.7	-4	-3.3	-2.3	-1	-0.4	0.4	0.4	0.1	-0.4	-8.7	0.4	-3.5
Jan 10	1.2	3	4.1	4.3	3.4	3.8	3.7	3.4	3.2	3.8	3.7	3.6	3.7	3.4	3.2	3.5	3.3	3.3	3.1	3.1	3.3	3.5	3.1	3.7	1.2	4.3	3.4
Jan 11	2.7	2.5	2	2.5	2.5	2.6	2.8	2.7	0.9	-0.7	-1.6	-2.4	-2.8	-2.7	-3.5	-4	-5.3	-6.1	-6.4	-6.7	-5.7	-5.8	-6.7	-6.5	-6.7	2.8	-1.9
Jan 12	-6.6	-3.9	-2.8	-2.6	-3.1	-2.9	-2.4	-2.9	-3.8	-3.7	-3.8	-2.2	-0.4	0	0.2	0.5	-0.2	-1.3	-1.2	-1.6	-1.3	-0.9	-1.3	-2.1	-6.6	0.5	-2.1
Jan 13	-4.2	-4.3	-4.4	-4.5	-4.6	-4.2	-3	-1.3	-0.1	1.6	2.6	3.2	2.9	3.6	4	3.6	2.5	0.7	0.7	0.7	0.4	0.5	0.7	-0.7	-4.6	4.0	-0.2
Jan 14	-1.8	-2	-2.8	-2.3	-1.7	0.8	3.6	4.8	5.4	5.3	5.5	6.2	6.3	**6.6**	6.4	6	5.7	5.5	5.6	5.3	5.4	5.3	5.1	4.7	-2.8	**6.6**	**3.7**
Jan 15	4.3	3.9	3.7	3.4	2.9	2	1.8	1.3	1.1	0.5	-0.1	0.2	1	1.8	1.4	1.3	1.1	1	0.7	0.3	0.4	0.2	0.1	0.3	-0.1	4.3	1.4
Jan 16	0.1	-0.2	0	0	-0.4	-0.8	-0.9	-0.1	1.8	0.6	-0.4	-3.8	-5.6	-6.5	-7	-7.1	-6.9	-7.1	-7	-7.1	-7.5	-8	-8	-8.4	-8.4	1.8	-3.8
Jan 17	-8.8	-10.2	-11.4	-11.9	-12.6	-12.7	-12.4	-11	-10.7	-10.7	-10.6	-12.1	-13.7	-14.2	-15.2	-16	-16.7	-17.6	-18.5	-19.1	-19.9	-20.4	-20.2	-20	-20.4	-8.8	-14.4
Jan 18	-20.4	-21.3	-21.5	-21	-21.1	-21.3	-21.5	-21.2	-21.6	-22.6	-22.1	-21.7	-21.1	-20.2	-20.2	-20.6	-20.5	-20.2	-19.6	-18.6	-18.1	-18.2	-18.4	-18.3	-22.6	-18.1	-20.5
Jan 19	-18.7	-20.4	-21.5	-22.2	-22.4	-22.7	-22.9	-23.3	-24	-24.3	-23.1	-22.9	-22.6	-21.7	-21.6	-21.4	-22.1	-22.8	-23.3	-22.8	-22.4	-22.7	-22.4	-22.2	-24.3	-18.7	-22.4
Jan 20	-22.1	-21.7	-20.9	-20	-19.4	-18.8	-18.4	-17.9	-16.9	-15.5	-14.3	-14.1	-13.7	-12.5	-9.7	-4.9	-2.8	-2.4	-2.3	-1.7	-1.6	-2	-1.9	-2.5	-22.1	-1.6	-11.6
Jan 21	-3.1	-3.3	-3.5	-3.7	-3.3	-3.1	-3.1	-2.4	-1.7	-1.7	-1.8	-1.1	-0.2	0.5	-0.2	-0.8	-0.3	-0.9	-2.2	-2.9	-3.1	-3.3	-2.5	-1.6	-3.7	0.5	-2.1
Jan 22	-1.8	-4	-4.5	-5.1	-5.6	-5.8	-6.4	-6.3	-5.2	-5.2	-4.3	-6.4	-6.8	-6.4	-6.5	-6.5	-6.1	-4.5	-3.1	-3.3	-3.1	-2	-0.8	0.4	-6.8	0.4	-4.6
Jan 23	0.3	-0.4	-0.3	1.5	2.4	1.9	2.1	1.9	1.9	1.4	1.4	1.2	1.8	1.9	2	2.1	1.3	1.5	2	1.7	0.6	-0.1	-0.8	-0.9	-0.9	2.4	1.2
Jan 24	-1.3	-1.4	-1.7	-2.1	-1.8	-1.2	-1.1	-2	-3.2	-4.6	-4.2	-3.5	-2.7	-2.1	-1.9	-1.8	-2.2	-3.6	-4.5	-4.3	-4.6	-5	-4.7	-4.4	-5.0	-1.1	-2.9
Jan 25	-4	-3.3	-3.1	-3	-3.5	-4.2	-4.4	-5	-5	-5.1	-3.7	-3.1	-2	-1.3	-1	-0.9	-1.7	-1.2	-1.6	-1	-0.9	-1.2	-0.9	-1.1	-5.1	-0.9	-2.6
Jan 26	-1.9	-2.2	-1.9	-1.6	-1.5	-1.4	-2.5	-2.4	-4	-3.1	-2.7	-1.7	-1.1	2.9	4.1	3.8	3.2	3.4	3.1	1.9	1.6	1.5	1.4	1.9	-4.0	4.1	0.0
Jan 27	2.3	2.4	2.3	2	1.1	0.6	1.3	0.6	1.2	1.2	2	3.3	4.2	5	5.3	5.8	5.6	5.8	5.6	4.5	3.9	3.6	4.1	3.2	0.6	5.8	3.2
Jan 28	2.8	2.6	3.3	1.6	0.7	1.1	1	1.5	0.7	0.1	-0.2	0.7	1.2	1.3	1.4	1.5	1	0.3	-0.1	0.2	-0.3	-0.7	-0.8	0.1	-0.8	3.3	0.9
Jan 29	-0.1	0	-0.3	-1.2	-2.5	-3	-3	-3.1	-3.1	-3.1	-2.8	-2.6	-2.2	-2	-2	-1.2	2.6	0.3	-1.9	-3.4	-5	-7	-8.6	-9.6	-9.6	2.6	-2.7
Jan 30	-10.5	-11.3	-11.9	-12.6	-12.9	-13.2	-13.7	-14.1	-14.4	-14.8	-14.9	-15.1	-15.2	-15	-15.3	-15.6	-15.7	-16.4	-16.8	-16.9	-17.1	-17.3	-18	-18.8	-18.8	-10.5	-14.9
Jan 31	-19.4	-19.8	-19.9	-20.2	-20.5	-20.8	-21	-21.1	-21.5	-21.9	-22.5	-22.9	-23.1	-23.1	-23.1	-23.4	-24	-24.5	-24.9	-25	-25	-25	-24.9	-24.9	-25.0	-19.4	**-22.6**
Diurnal Maximum	4.3	3.9	4.1	4.3	3.4	3.8	3.7	4.8	5.4	5.3	5.5	6.2	6.3	6.6	6.4	6.0	5.7	5.8	5.6	5.3	5.4	5.3	5.1	4.7			
Diurnal Average	-7.9	-8.1	-8.1	-8.2	-8.4	-8.4	-8.3	-8.3	-8.4	-8.6	-8.3	-8.0	-7.7	-7.3	-7.2	-7.0	-7.1	-7.4	-7.5	-7.5	-7.5	-7.7	-7.8	-8.0			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

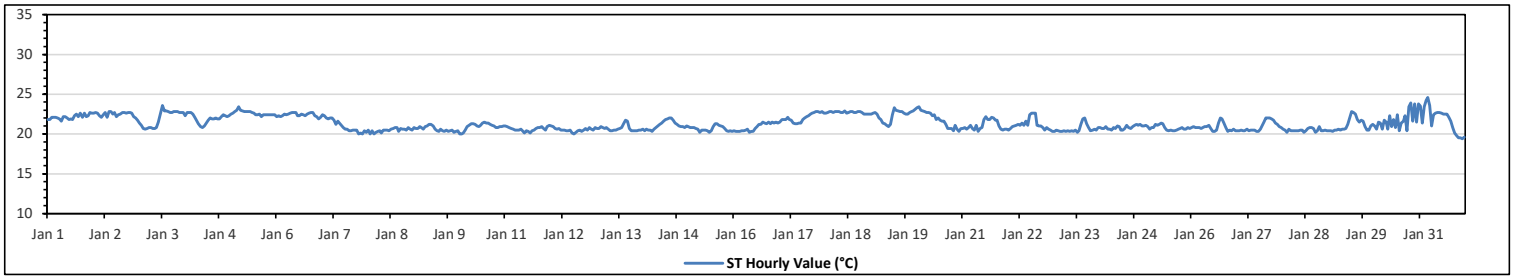
STATION TEMPERATURE (ST) in Degree Celsius

Maximum Hourly Value:	24.6	°C	on Jan 31 at hr 4	Hours in Service:	744	
Maximum Daily Value:	22.7	°C	on Jan 18	Hours of Data:	744	
Minimum Hourly Value:	19.4	°C	on Jan 31 at hr 22	Hours of Missing Data:	0	
Minimum Daily Value:	20.5	°C	on Jan 8	Hours of Calibration:	0	
Monthly Average:	21.3	°C		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	21.8	21.8	22.1	22.1	22.1	22.0	21.9	21.6	22.2	22.2	22.0	21.8	21.9	21.8	22.3	22.5	22.2	22.6	22.1	22.6	22.2	22.3	22.7	22.6	21.6	22.7	22.1
Jan 2	22.6	22.7	22.6	22.3	22.1	22.4	22.7	22.1	22.8	22.8	22.5	22.7	22.2	22.4	22.5	22.7	22.7	22.6	22.7	22.7	22.6	22.2	22.0	21.7	21.7	22.8	22.5
Jan 3	21.4	21.1	20.7	20.6	20.7	20.8	20.8	20.7	20.7	20.8	21.5	22.6	23.6	22.9	22.9	22.8	22.7	22.7	22.8	22.8	22.8	22.7	22.7	22.7	20.6	23.6	21.9
Jan 4	22.3	22.7	22.7	22.7	22.5	22.1	21.7	21.3	20.9	20.8	21.0	21.4	21.7	22.0	21.9	21.9	22.0	21.9	21.9	22.2	22.4	22.3	22.2	22.3	20.8	22.7	22.0
Jan 5	22.5	22.6	22.8	23.0	23.4	23.0	22.9	22.8	22.8	22.8	22.8	22.7	22.6	22.4	22.4	22.5	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.2	23.4	22.6
Jan 6	22.2	22.3	22.2	22.3	22.5	22.4	22.5	22.6	22.7	22.7	22.7	22.3	22.3	22.5	22.4	22.3	22.5	22.6	22.7	22.7	22.3	22.2	21.9	22.1	21.9	22.7	22.4
Jan 7	22.4	22.3	22.0	21.9	22.0	22.0	21.7	21.2	21.6	21.4	21.1	20.8	20.6	20.6	20.4	20.4	20.5	20.5	20.5	20.0	20.1	20.0	20.4	20.2	20.0	22.4	21.0
Jan 8	20.5	20.0	20.4	20.0	20.2	20.3	20.4	20.1	20.5	20.5	20.5	20.4	20.6	20.7	20.8	20.8	20.3	20.7	20.6	20.6	20.5	20.8	20.6	20.5	20.0	20.8	**20.5**
Jan 9	20.8	20.7	20.7	20.9	20.8	20.6	20.9	21.0	21.2	21.2	21.0	20.6	20.4	20.3	20.6	20.4	20.3	20.5	20.3	20.4	20.5	20.2	20.3	20.4	20.2	21.2	20.6
Jan 10	20.0	20.0	20.1	20.5	20.9	21.1	21.3	21.3	21.2	21.0	20.9	21.1	21.4	21.5	21.4	21.4	21.2	21.1	21.0	20.8	20.8	20.9	20.9	21.0	20.0	21.5	21.0
Jan 11	21.0	20.9	20.8	20.7	20.6	20.5	20.5	20.5	20.6	20.4	20.1	20.4	20.3	20.1	20.4	20.5	20.7	20.8	20.8	20.9	20.7	20.5	20.9	21.1	20.1	21.1	20.6
Jan 12	21.0	20.9	20.7	20.6	20.7	20.5	20.5	20.5	20.4	20.4	20.5	20.1	20.0	20.2	20.4	20.5	20.3	20.5	20.7	20.5	20.8	20.6	20.5	20.8	20.0	21.0	20.5
Jan 13	20.7	20.7	20.9	20.8	20.7	20.8	20.6	20.4	20.4	20.5	20.5	20.6	20.7	20.8	21.3	21.7	21.6	20.7	20.4	20.4	20.4	20.4	20.5	20.5	20.4	21.7	20.7
Jan 14	20.6	20.4	20.6	20.5	20.5	20.3	20.6	20.8	21.0	21.2	21.4	21.6	21.8	21.9	22.0	22.0	21.7	21.4	21.2	21.0	20.9	20.9	20.8	21.0	20.3	22.0	21.1
Jan 15	20.9	20.8	20.8	20.8	20.7	20.6	20.2	20.5	20.5	20.5	20.4	20.2	20.4	20.9	21.3	21.3	21.1	21.0	20.9	20.7	20.4	20.3	20.4	20.3	20.2	21.3	20.7
Jan 16	20.4	20.3	20.3	20.3	20.4	20.4	20.5	20.6	20.2	20.3	20.3	20.7	20.9	21.2	21.2	21.5	21.4	21.3	21.5	21.3	21.5	21.4	21.5	21.4	20.2	21.5	20.9
Jan 17	21.5	21.8	21.8	21.8	22.1	21.8	21.7	21.4	21.3	21.3	21.4	21.4	21.8	22.0	22.2	22.3	22.5	22.6	22.7	22.8	22.8	22.7	22.8	22.6	21.3	22.8	22.0
Jan 18	22.6	22.7	22.8	22.8	22.7	22.8	22.8	22.8	22.7	22.7	22.9	22.6	22.7	22.8	22.8	22.7	22.7	22.8	22.8	22.7	22.5	22.5	22.5	22.5	22.5	22.9	**22.7**
Jan 19	22.5	22.6	22.7	22.5	22.0	21.8	21.4	21.3	21.1	20.9	21.2	22.4	23.3	23.0	22.9	22.8	22.8	22.6	22.5	22.5	22.7	22.8	22.9	23.1	20.9	23.3	22.3
Jan 20	23.3	23.4	23.0	22.9	22.8	22.7	22.7	22.6	22.3	22.4	21.8	22.0	21.7	21.6	21.6	21.2	20.7	20.7	20.7	20.4	21.1	20.6	20.3	20.7	20.3	23.4	21.8
Jan 21	20.7	20.8	20.6	20.8	21.1	20.7	20.5	21.1	20.3	20.7	20.8	21.8	22.2	21.8	21.8	22.1	22.0	21.7	21.7	21.0	20.6	20.5	20.6	20.6	20.3	22.2	21.1
Jan 22	20.5	20.7	20.9	21.0	21.1	21.2	21.1	21.4	21.1	21.6	21.1	22.4	22.6	22.6	22.6	21.1	21.0	21.0	20.8	20.5	20.8	20.6	20.5	20.3	20.3	22.6	21.2
Jan 23	20.3	20.5	20.4	20.3	20.3	20.4	20.3	20.4	20.3	20.4	20.3	20.5	20.2	20.4	21.2	21.9	22.0	21.3	20.8	20.4	20.5	20.6	20.5	20.8	20.2	22.0	20.6
Jan 24	20.8	20.7	20.7	20.9	20.6	20.6	20.5	20.8	20.7	21.0	20.9	20.5	20.5	20.7	21.1	20.8	20.7	20.9	21.1	21.2	21.1	21.2	21.0	21.0	20.5	21.2	20.8
Jan 25	21.1	20.9	20.6	20.8	20.8	21.2	21.1	21.2	21.4	21.3	20.8	20.5	20.4	20.5	20.4	20.4	20.5	20.6	20.7	20.8	20.6	20.6	20.8	20.7	20.4	21.4	20.8
Jan 26	20.8	20.9	20.8	20.8	20.8	20.7	20.8	20.9	20.9	21.1	20.7	20.3	20.3	20.5	21.4	22.0	21.9	21.4	20.8	20.3	20.5	20.4	20.6	20.4	20.3	22.0	20.8
Jan 27	20.4	20.4	20.5	20.4	20.4	20.6	20.4	20.5	20.5	20.5	20.3	20.3	20.6	21.0	21.5	22.0	22.0	22.0	21.9	21.7	21.4	21.2	20.9	20.8	20.3	22.0	20.9
Jan 28	20.6	20.5	20.2	20.6	20.4	20.4	20.4	20.4	20.4	20.5	20.5	20.2	20.4	20.7	20.8	20.8	20.7	20.2	20.4	20.9	20.4	20.4	20.5	20.4	20.2	20.9	20.5
Jan 29	20.4	20.4	20.3	20.5	20.5	20.6	20.5	20.6	20.6	20.7	21.2	22.0	22.8	22.7	22.5	21.8	21.5	21.7	21.6	20.9	20.5	20.5	21.0	21.2	20.3	22.8	21.1
Jan 30	21.0	20.6	21.5	21.4	20.6	21.7	21.5	20.6	22.3	20.9	21.8	20.8	22.4	20.4	21.4	21.6	22.3	20.4	23.4	23.9	21.6	23.8	21.5	23.8	20.4	23.9	21.7
Jan 31	23.5	21.4	23.4	24.2	**24.6**	23.6	21.0	22.4	22.6	22.7	22.7	22.6	22.5	22.5	22.5	22.1	21.6	20.8	20.1	19.8	19.5	19.5	**19.4**	19.6	**19.4**	**24.6**	21.9
Diurnal Maximum	23.5	23.4	23.4	24.2	24.6	23.6	22.9	22.8	22.8	22.8	22.9	22.7	23.6	23.0	22.9	22.8	22.8	22.8	23.4	23.9	22.8	23.8	22.9	23.8			
Diurnal Average	21.3	21.2	21.3	21.3	21.3	21.3	21.2	21.2	21.2	21.2	21.2	21.3	21.5	21.5	21.6	21.6	21.6	21.4	21.4	21.3	21.2	21.2	21.2	21.3			

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance	
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P** Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

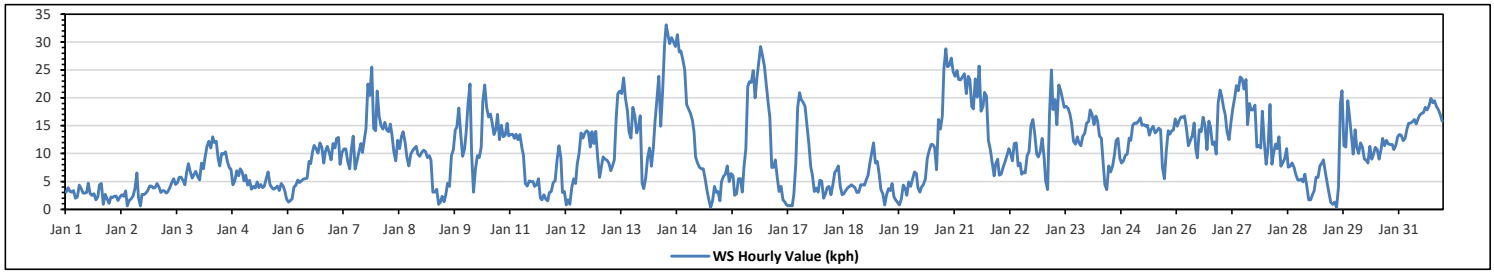
VECTOR WIND SPEED (VWS) in km/hr

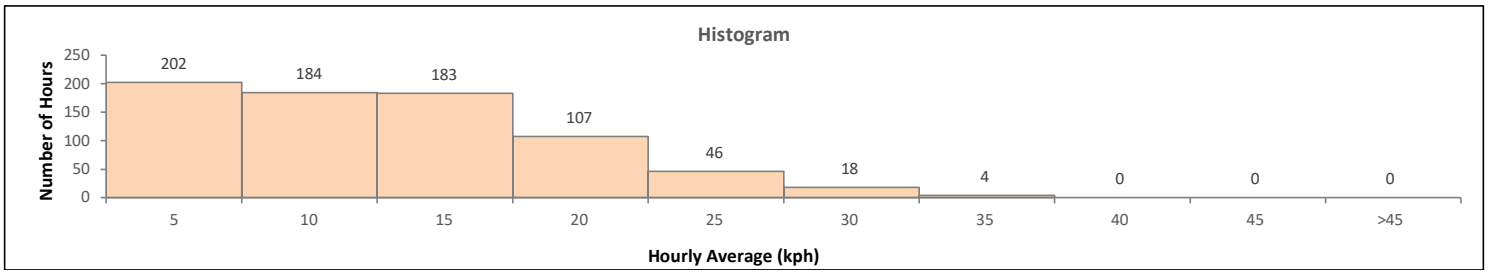
Maximum Hourly Value:	33.1	kph	on Jan 14 at hr 12	Hours in Service:	744	
Maximum Daily Value:	21.5	kph	on Jan 14	Hours of Data:	744	
Minimum Hourly Value:	0.3	kph	on Jan 15 at hr 12	Hours of Missing Data:	0	
Minimum Daily Value:	2.7	kph	on Jan 2	Hours of Calibration:	0	
Monthly Average:	10.4	kph		Operational Uptime:	100.0	

Day	Hourly Period Starting at (MST)																							Daily	Daily	Daily
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Minimum	Maximum	Average
Jan 1	3.1	3.9	3.2	3.1	3.4	2.0	2.2	4.3	3.7	2.9	2.9	3.0	4.7	2.8	2.5	2.8	1.7	2.2	4.4	4.6	0.9	2.7	1.9	1.1	0.9	4.7	2.9
Jan 2	2.2	2.1	2.3	2.4	1.6	2.2	2.6	2.3	3.3	0.6	1.6	1.9	2.4	3.7	6.5	2.1	0.6	2.7	2.6	2.9	3.4	4.2	4.2	3.8	0.6	6.5	**2.7**
Jan 3	3.9	4.6	4.0	3.0	3.4	3.3	2.9	3.2	3.9	4.8	5.5	4.5	4.8	5.7	5.8	5.2	4.4	6.8	8.2	6.7	5.6	6.2	6.8	5.9	2.9	8.2	5.0
Jan 4	5.3	8.3	7.3	9.3	11.3	12.2	11.0	13.0	12.0	12.2	9.1	7.8	10.0	9.9	10.3	8.5	7.4	7.2	4.4	5.1	6.9	6.0	7.3	6.7	4.4	13.0	8.7
Jan 5	5.1	6.1	4.3	5.2	3.6	4.1	3.8	4.9	3.9	4.5	3.9	4.1	5.4	6.7	4.5	3.9	3.6	3.8	4.2	3.4	4.6	4.2	3.4	1.8	1.8	6.7	4.3
Jan 6	1.3	1.5	1.9	4.0	4.3	5.3	4.8	5.1	5.4	5.5	5.6	8.6	8.2	10.4	11.5	10.9	10.1	11.9	11.1	8.3	10.4	11.3	10.2	8.9	1.3	11.9	7.4
Jan 7	11.8	11.0	12.7	12.9	8.1	10.2	10.8	10.8	8.5	7.3	10.6	13.1	7.2	8.7	10.3	11.8	10.2	12.6	14.5	22.5	20.4	25.5	14.5	14.1	7.2	25.5	12.5
Jan 8	21.2	16.7	15.0	14.4	15.6	14.2	13.9	15.3	13.4	10.4	8.7	12.4	10.9	13.1	13.9	12.1	9.3	7.8	9.9	10.5	11.0	11.3	9.9	9.5	7.8	21.2	12.5
Jan 9	10.2	10.6	10.4	9.3	9.6	8.8	3.1	3.1	3.6	0.9	1.2	2.3	1.4	2.5	4.7	4.1	9.6	10.7	14.2	14.8	18.2	13.5	9.5	10.8	0.9	18.2	7.8
Jan 10	13.8	19.0	22.5	10.1	3.1	7.2	9.6	9.3	11.1	19.3	22.3	18.3	16.6	17.1	15.6	13.4	14.4	17.0	12.5	15.1	13.0	13.3	15.4	13.2	3.1	22.5	14.3
Jan 11	13.4	13.5	12.7	13.5	12.5	13.4	11.1	9.7	4.6	4.2	5.1	5.0	5.0	4.1	4.4	5.5	2.0	1.7	2.6	1.8	1.5	3.0	3.2	4.8	1.5	13.5	6.6
Jan 12	5.1	8.8	11.4	9.3	3.0	3.2	0.8	1.7	0.9	3.9	5.5	4.6	8.1	10.1	13.7	12.8	13.7	14.1	13.8	11.2	13.9	11.8	14.0	9.3	0.8	14.1	8.5
Jan 13	5.7	7.8	9.4	9.0	8.8	8.3	6.9	7.9	8.9	16.6	20.8	21.2	20.8	23.6	19.8	17.7	13.9	12.8	18.3	16.8	13.7	14.9	16.8	4.6	4.6	23.6	13.5
Jan 14	3.7	5.6	9.2	11.0	7.7	11.1	15.6	19.7	23.9	14.9	21.2	29.5	**33.1**	31.2	29.7	30.8	30.0	29.2	31.3	28.2	28.4	26.9	25.0	18.8	3.7	**33.1**	**21.5**
Jan 15	18.0	17.2	16.0	13.9	9.4	8.3	7.6	7.3	7.3	5.4	3.6	1.8	**0.3**	1.5	4.1	3.0	3.2	1.5	5.0	5.9	6.3	7.8	5.0	6.4	**0.3**	18.0	6.9
Jan 16	6.0	2.5	2.8	5.5	5.5	3.1	7.5	10.8	22.0	22.9	22.8	24.9	20.0	23.7	26.7	29.2	27.6	25.7	22.3	19.0	16.5	7.5	7.6	8.9	2.5	29.2	15.5
Jan 17	5.8	3.2	4.1	1.7	1.3	0.8	0.6	0.7	0.6	2.7	8.1	18.3	20.9	19.7	19.2	18.5	15.1	11.7	7.6	6.2	3.2	3.8	3.1	5.2	0.6	20.9	7.6
Jan 18	5.1	2.0	2.8	3.9	4.1	2.6	4.4	6.6	7.1	7.8	4.2	2.6	2.8	3.4	3.8	4.1	4.4	4.2	3.9	3.0	3.1	4.4	4.4	4.3	2.0	7.8	4.1
Jan 19	5.3	6.1	8.1	10.0	11.9	8.3	8.6	6.2	3.6	2.8	0.8	2.7	3.7	3.4	4.6	2.2	1.7	1.2	0.8	1.9	4.3	3.7	2.5	4.9	0.8	11.9	4.6
Jan 20	4.1	5.4	6.7	6.4	3.8	3.1	4.0	4.5	5.4	9.1	10.5	11.6	11.6	11.1	7.1	16.1	14.4	16.7	25.3	28.8	25.6	25.8	27.1	24.7	3.1	28.8	12.9
Jan 21	23.9	24.9	23.3	23.2	23.7	24.3	20.8	23.9	23.3	18.5	18.0	23.4	20.1	25.7	17.6	18.4	21.0	20.3	12.4	10.7	8.3	6.0	8.2	9.0	6.0	25.7	18.7
Jan 22	6.1	6.3	7.6	8.5	9.7	10.9	10.1	8.7	11.8	11.9	7.8	8.3	6.3	6.7	6.5	9.6	10.4	15.0	16.1	13.5	9.9	9.4	10.4	12.7	6.1	16.1	9.8
Jan 23	9.4	5.1	3.5	17.1	25.0	17.9	19.7	15.2	22.3	21.3	19.7	18.3	18.5	18.1	17.0	15.4	12.2	11.7	13.0	11.9	11.4	13.1	13.6	15.5	3.5	25.0	15.2
Jan 24	15.7	17.8	17.0	15.2	16.7	15.9	13.2	12.7	8.1	4.4	3.5	7.8	6.7	7.7	9.8	12.3	12.7	9.1	8.3	8.7	9.7	9.9	12.8	12.4	3.5	17.8	11.2
Jan 25	15.1	15.5	15.4	15.8	16.4	15.1	15.2	14.9	15.1	13.3	14.4	14.9	13.7	14.0	14.6	14.3	7.4	5.5	10.5	14.1	13.5	14.1	14.2	16.2	5.5	16.4	13.9
Jan 26	14.9	15.9	16.6	16.5	16.7	14.5	11.4	12.3	13.2	15.5	10.8	9.2	14.3	13.9	16.5	15.0	10.7	15.8	14.7	11.6	12.1	9.9	19.1	21.4	9.2	21.4	14.3
Jan 27	20.3	18.2	17.0	13.8	12.5	15.6	18.2	20.1	22.2	21.3	23.7	23.4	21.6	23.3	15.2	19.0	17.8	17.8	18.7	11.2	11.5	11.0	17.6	12.2	11.0	23.7	17.6
Jan 28	8.1	11.1	18.8	8.1	10.0	11.7	10.9	13.0	7.7	8.4	9.1	10.9	7.6	7.7	8.3	7.6	6.2	5.3	5.2	5.4	4.9	6.3	4.2	1.7	1.7	18.8	8.3
Jan 29	1.7	2.7	3.3	5.8	5.7	7.8	8.3	8.9	6.6	4.6	3.0	1.2	0.9	1.3	**0.3**	4.0	19.0	21.3	11.4	11.2	19.5	16.9	13.4	9.9	**0.3**	21.3	7.9
Jan 30	14.3	11.1	10.0	11.9	11.1	9.0	8.8	8.3	11.3	9.0	9.8	11.1	10.7	9.0	10.7	12.7	11.4	12.4	11.7	11.6	11.6	10.7	11.5	13.0	8.3	14.3	10.9
Jan 31	13.4	13.3	12.3	12.7	14.4	15.4	15.5	15.7	16.1	15.3	16.3	16.9	17.2	17.4	18.3	17.8	18.6	19.9	19.1	19.5	18.5	17.9	17.0	15.8	12.3	19.9	16.4
Diurnal Maximum	23.9	24.9	23.3	23.2	25.0	24.3	20.8	23.9	23.9	22.9	23.7	29.5	33.1	31.2	29.7	30.8	30.0	29.2	31.3	28.8	28.4	26.9	27.1	24.7			
Diurnal Average	9.5	9.6	10.1	9.9	9.5	9.3	9.2	9.7	10.0	9.7	10.0	11.1	10.8	11.5	11.4	11.6	11.1	11.5	11.5	11.2	11.0	10.7	10.8	9.9			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance			
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P	Power Failure	
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)					

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



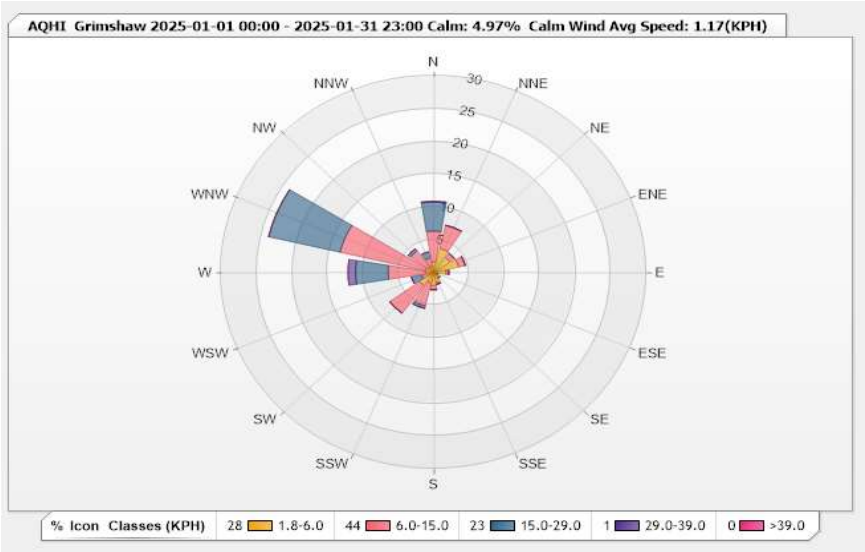


Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 01-2025

Type: Wind Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm (WS<1.8kph): 4.97% Valid Data: 100.00%

Direction	1.8-6.0	6.0-15.0	15.0-29.0	29.0-39.0	>39.0	Total
N	1.61	4.7	4.44	0.13	0	10.88
NNE	3.76	3.63	0	0	0	7.39
NE	2.82	0.81	0	0	0	3.63
ENE	3.63	0.94	0	0	0	4.57
E	1.75	0.4	0	0	0	2.15
ESE	0.54	0	0	0	0	0.54
SE	0.94	0.13	0	0	0	1.07
SSE	1.61	0.27	0	0	0	1.88
S	2.02	0.67	0	0	0	2.69
SSW	1.61	3.63	0.4	0	0	5.64
SW	2.42	5.24	0	0	0	7.66
WSW	0.54	1.21	1.48	0	0	3.23
W	1.21	5.24	4.57	1.08	0	12.1
WNW	1.21	12.37	10.35	0	0	23.93
NW	0.94	3.09	0.4	0	0	4.43
NNW	0.94	1.34	0.94	0	0	3.22
Summary	27.55	43.67	22.58	1.21	0	95.01



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

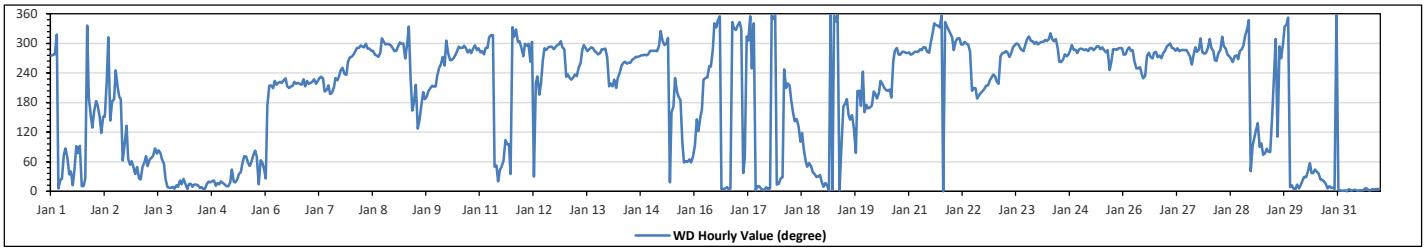
WIND DIRECTION (VWD) in sector

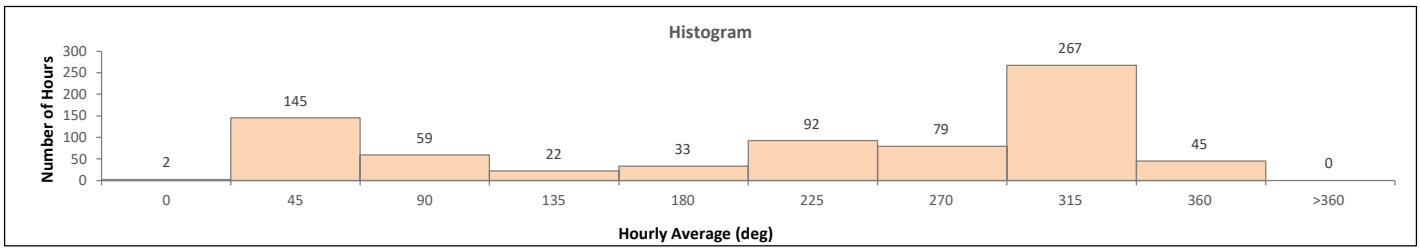
Monthly Average:	299 (WNW) degree	Hours in Service:	744
		Hours of Data:	744
		Hours of Missing Data:	0
		Hours of Calibration:	0
		Operational Uptime:	100.0

Day	Hourly Period Starting at (MST)																							Daily Average	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Degree	Quadrant
Jan 1	W	W	W	NW	N	NNE	NNE	ENE	E	ENE	NE	NE	NNE	NE	E	ENE	E	N	NNE	NNE	NNW	S	SSE	SE	35	NE
Jan 2	SSE	S	S	SSE	ESE	SSE	SSE	SW	NW	SE	S	S	WSW	SSW	S	S	ENE	E	SE	ENE	NE	ENE	NE	NE	146	SE
Jan 3	NE	NNE	NNE	NE	ENE	ENE	NE	ENE	ENE	ENE	E	ENE	E	ENE	ENE	NE	NNE	N	N	N	N	N	NNE	N	44	NE
Jan 4	NNE	NNE	NNE	NNE	N	NNE	NNE	N	NNE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	14	NNE
Jan 5	NNE	NNE	N	N	NNE	NE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	ENE	NE	ENE	ENE	E	ENE	NNE	ENE	ENE	NE	43	NE
Jan 6	NNE	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SSW	SW	217	SW
Jan 7	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	SW	SW	W	W	227	SW
Jan 8	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	NW	WNW	WNW	WNW	WNW	WNW	WNW	289	WNW
Jan 9	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	NNW	SW	SSE	S	SW	SE	SE	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW	228	SW
Jan 10	SW	WSW	WSW	W	WSW	NW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	WNW	WNW	WNW	WNW	279	W
Jan 11	W	WNW	W	WNW	WNW	NW	NW	NW	NE	NE	NNE	NE	NE	ENE	ESE	E	E	NE	NNW	NW	NNW	WNW	WNW	WNW	344	NNW
Jan 12	W	WNW	WNW	WNW	W	WNW	NNE	SW	SW	SSW	SW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	282	W
Jan 13	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	WNW	WNW	WNW	W	268	W
Jan 14	SSW	SW	SSW	SW	SSW	SW	WSW	WSW	W	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W	WNW	256	WSW
Jan 15	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	NW	NNE	SSE	S	SW	SSW	S	S	E	ENE	ENE	ENE	ENE	ENE	ENE	311	NW
Jan 16	E	SE	ESE	SSE	SSE	SW	SW	SW	WSW	WSW	WNW	NNW	NNW	NNW	N	N	N	N	N	N	N	NNW	NNW	NW	331	NNW
Jan 17	NNW	NNW	NNW	NE	ENE	NW	NW	N	WSW	NNW	N	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE	356	N
Jan 18	NNE	NNE	WSW	SSW	SW	SSW	S	SSE	SE	SE	SE	E	ESE	E	ENE	NE	ENE	NE	NE	NE	NNE	NNE	NNE	NNE	81	E
Jan 19	N	NNE	NNE	N	N	N	N	NNW	N	N	E	S	S	S	SSE	SE	SSE	SE	ENE	SSW	SSW	S	WSW	SSE	96	E
Jan 20	S	SSE	SSE	S	SSW	SSW	S	SSW	SW	SW	SSW	SSW	SSW	SSW	S	W	WNW	WNW	W	W	W	W	W	W	226	SW
Jan 21	W	W	W	W	W	W	WNW	WNW	WNW	WNW	W	W	WNW	NW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NW	NW	309	NW
Jan 22	NW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	251	WSW
Jan 23	SW	SW	SW	W	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	285	WNW
Jan 24	WNW	WNW	WNW	WNW	NW	WNW	NW	NW	NW	WNW	NW	WNW	W	W	W	W	W	W	WNW	WNW	WNW	WNW	W	WNW	292	WNW
Jan 25	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	286	WNW
Jan 26	W	W	WNW	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	SW	SW	W	W	W	W	W	W	W	W	W	W	WNW	270	W
Jan 27	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	W	WNW	W	WNW	NW	W	W	W	WNW	286	WNW
Jan 28	NW	WNW	WNW	W	W	W	WNW	NW	WNW	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	NNW	NNW	NE	291	WNW
Jan 29	E	ESE	SE	SE	E	E	ENE	ENE	E	E	E	SSE	SW	NW	ESE	WNW	W	WNW	NNW	NNW	N	N	NNE	N	57	ENE
Jan 30	N	NNE	N	NNE	NNE	NNE	NNE	NE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	N	N	N	N	N	N	22	NNE
Jan 31	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Machine Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.





Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

VECTOR WIND SPEED (VWS) in km/hr & WIND DIRECTION (VWD) in sector

WIND SPEED

Maximum Hourly Value:	33.1	kph	on Jan 14 at hr 12	Hours in Service:	744
Maximum Daily Value:	21.5	kph	on Jan 14	Hours of Data:	744
Minimum Hourly Value:	0.3	kph	on Jan 15 at hr 12	Hours of Missing Data:	0
Minimum Daily Value:	2.7	kph	on Jan 2	Hours of Calibration:	0
Monthly Average:	10.4	kph		Operational Uptime:	100.0

WIND DIRECTION

Monthly Average: 299 degree (WNW)

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3.1	3.9	3.2	3.1	3.4	2.0	2.2	4.3	3.7	2.9	2.9	3.0	4.7	2.8	2.5	2.8	1.7	2.2	4.4	4.6	0.9	2.7	1.9	1.1	0.9	4.7	2.9
	W	W	W	NW	N	NNE	NNE	ENE	E	ENE	NE	NE	NNE	NE	E	ENE	E	N	NNE	NNE	NNW	S	SSE	SE			35(NE)
Jan 2	2.2	2.1	2.3	2.4	1.6	2.2	2.6	2.3	3.3	0.6	1.6	1.9	2.4	3.7	6.5	2.1	0.6	2.7	2.6	2.9	3.4	4.2	4.2	3.8	0.6	6.5	**2.7**
	SSE	S	S	SSE	ESE	SSE	SSE	SW	NW	SE	S	S	WSW	SSW	S	S	ENE	E	SE	ENE	NE	ENE	NE	NE			146(SE)
Jan 3	3.9	4.6	4.0	3.0	3.4	3.3	2.9	3.2	3.9	4.8	5.5	4.5	4.8	5.7	5.8	5.2	4.4	6.8	8.2	6.7	5.6	6.2	6.8	5.9	2.9	8.2	5.0
	NE	NNE	NNE	NE	ENE	ENE	NE	ENE	ENE	ENE	E	ENE	E	ENE	ENE	NE	NNE	N	N	N	N	N	NNE	N			44(NE)
Jan 4	5.3	8.3	7.3	9.3	11.3	12.2	11.0	13.0	12.0	12.2	9.1	7.8	10.0	9.9	10.3	8.5	7.4	7.2	4.4	5.1	6.9	6.0	7.3	6.7	4.4	13.0	8.7
	NNE	NNE	NNE	NNE	N	NNE	NNE	N	NNE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE			14(NNE)
Jan 5	5.1	6.1	4.3	5.2	3.6	4.1	3.8	4.9	3.9	4.5	3.9	4.1	5.4	6.7	4.5	3.9	3.6	3.8	4.2	3.4	4.6	4.2	3.4	1.8	1.8	6.7	4.3
	NNE	NNE	N	N	NNE	NE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	ENE	NE	ENE	ENE	E	ENE	NNE	ENE	ENE	NE			43(NE)
Jan 6	1.3	1.5	1.9	4.0	4.3	5.3	4.8	5.1	5.4	5.5	5.6	8.6	8.2	10.4	11.5	10.9	10.1	11.9	11.1	8.3	10.4	11.3	10.2	8.9	1.3	11.9	7.4
	NNE	S	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SW	SW	SSW	SW			217(SW)
Jan 7	11.8	11.0	12.7	12.9	8.1	10.2	10.8	10.8	8.5	7.3	10.6	13.1	7.2	8.7	10.3	11.8	10.2	12.6	14.5	22.5	20.4	25.5	14.5	14.1	7.2	25.5	12.5
	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	WSW	WSW	SW	SW	W	W			227(SW)
Jan 8	21.2	16.7	15.0	14.4	15.6	14.2	13.9	15.3	13.4	10.4	8.7	12.4	10.9	13.1	13.9	12.1	9.3	7.8	9.9	10.5	11.0	11.3	9.9	9.5	7.8	21.2	12.5
	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	NW	WNW	WNW	WNW	WNW	WNW	WNW			289(WNW)
Jan 9	10.2	10.6	10.4	9.3	9.6	8.8	3.1	3.1	3.6	0.9	1.2	2.3	1.4	2.5	4.7	4.1	9.6	10.7	14.2	14.8	18.2	13.5	9.5	10.8	0.9	18.2	7.8
	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	NNW	SW	SSE	S	SW	SE	SE	S	SSW	S	S	SSW	SSW	SSW	SSW	SSW			228(SW)
Jan 10	13.8	19.0	22.5	10.1	3.1	7.2	9.6	9.3	11.1	19.3	22.3	18.3	16.6	17.1	15.6	13.4	14.4	17.0	12.5	15.1	13.0	13.3	15.4	13.2	3.1	22.5	14.3
	SW	WSW	WSW	W	WSW	NW	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	WNW	WNW	WNW	WNW			279(W)
Jan 11	13.4	13.5	12.7	13.5	12.5	13.4	11.1	9.7	4.6	4.2	5.1	5.0	5.0	4.1	4.4	5.5	2.0	1.7	2.6	1.8	1.5	3.0	3.2	4.8	1.5	13.5	6.6
	W	WNW	W	WNW	WNW	NW	NW	NW	NE	NE	NNE	NE	NE	ENE	ESE	E	E	NE	NNW	NW	NNW	WNW	WNW	WNW			344(NNW)
Jan 12	5.1	8.8	11.4	9.3	3.0	3.2	0.8	1.7	0.9	3.9	5.5	4.6	8.1	10.1	13.7	12.8	13.7	14.1	13.8	11.2	13.9	11.8	14.0	9.3	0.8	14.1	8.5
	W	WNW	WNW	WNW	W	WNW	NNE	SW	SW	SSW	SW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW			282(W)
Jan 13	5.7	7.8	9.4	9.0	8.8	8.3	6.9	7.9	8.9	16.6	20.8	21.2	20.8	23.6	19.8	17.7	13.9	12.8	18.3	16.8	13.7	14.9	16.8	4.6	4.6	23.6	13.5
	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	WNW	WNW	WNW	W			268(W)
Jan 14	3.7	5.6	9.2	11.0	7.7	11.1	15.6	19.7	23.9	14.9	21.2	29.5	**33.1**	31.2	29.7	30.8	30.0	29.2	31.3	28.2	28.4	26.9	25.0	18.8	3.7	**33.1**	**21.5**
	SSW	SW	SSW	SW	SSW	SW	WSW	WSW	W	W	WSW	W	W	W	W	W	W	W	W	W	W	W	W	WNW			256(WSW)
Jan 15	18.0	17.2	16.0	13.9	9.4	8.3	7.6	7.3	7.3	5.4	3.6	1.8	**0.3**	1.5	4.1	3.0	3.2	1.5	5.0	5.9	6.3	7.8	5.0	6.4	**0.3**	18.0	6.9
	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	NW	NNE	SSE	S	SW	SSW	S	S	E	ENE	ENE	ENE	ENE	ENE	ENE			311(NW)
Jan 16	6.0	2.5	2.8	5.5	5.5	3.1	7.5	10.8	22.0	22.9	22.8	24.9	20.0	23.7	26.7	29.2	27.6	25.7	22.3	19.0	16.5	7.5	7.6	8.9	2.5	29.2	15.5
	E	SE	ESE	SSE	SSE	SW	SW	SW	WSW	WSW	WNW	NNW	NNW	NNW	N	N	N	N	N	N	N	NNW	NNW	NW			331(NNW)
Jan 17	5.8	3.2	4.1	1.7	1.3	0.8	0.6	0.7	0.6	2.7	8.1	18.3	20.9	19.7	19.2	18.5	15.1	11.7	7.6	6.2	3.2	3.8	3.1	5.2	0.6	20.9	7.6
	NNW	NNW	NNW	NE	ENE	NW	NW	N	WSW	NNW	N	N	N	N	N	N	N	N	N	N	N	N	NNE	NNE			356(N)
Jan 18	5.1	2.0	2.8	3.9	4.1	2.6	4.4	6.6	7.1	7.8	4.2	2.6	2.8	3.4	3.8	4.1	4.4	4.2	3.9	3.0	3.1	4.4	4.4	4.3	2.0	7.8	4.1
	NNE	NNE	WSW	SSW	SW	SSW	S	SSE	SE	SE	SE	E	ESE	E	ENE	NE	ENE	NE	NE	NE	NNE	NNE	NNE	NNE			81(E)
Jan 19	5.3	6.1	8.1	10.0	11.9	8.3	8.6	6.2	3.6	2.8	0.8	2.7	3.7	3.4	4.6	2.2	1.7	1.2	0.8	1.9	4.3	3.7	2.5	4.9	0.8	11.9	4.6
	N	NNE	NNE	N	N	N	N	NNW	N	N	E	S	S	S	SSE	SE	SSE	SE	ENE	SSW	SSW	S	WSW	SSE			96(E)
Jan 20	4.1	5.4	6.7	6.4	3.8	3.1	4.0	4.5	5.4	9.1	10.5	11.6	11.6	11.1	7.1	16.1	14.4	16.7	25.3	28.8	25.6	25.8	27.1	24.7	3.1	28.8	12.9
	S	SSE	SSE	S	SSW	SSW	S	SSW	SW	SW	SSW	SSW	SSW	SSW	S	W	WNW	WNW	W	W	W	W	W	W			226(SW)
Jan 21	23.9	24.9	23.3	23.2	23.7	24.3	20.8	23.9	23.3	18.5	18.0	23.4	20.1	25.7	17.6	18.4	21.0	20.3	12.4	10.7	8.3	6.0	8.2	9.0	6.0	25.7	18.7
	W	W	W	W	W	W	WNW	WNW	WNW	WNW	W	W	WNW	NW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	NW	NW			309(NW)
Jan 22	6.1	6.3	7.6	8.5	9.7	10.9	10.1	8.7	11.8	11.9	7.8	8.3	6.3	6.7	6.5	9.6	10.4	15.0	16.1	13.5	9.9	9.4	10.4	12.7	6.1	16.1	9.8
	NW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	W	SSW	SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW			251(WSW)
Jan 23	9.4	5.1	3.5	17.1	25.0	17.9	19.7	15.2	22.3	21.3	19.7	18.3	18.5	18.1	17.0	15.4	12.2	11.7	13.0	11.9	11.4	13.1	13.6	15.5	3.5	25.0	15.2
	SW	SW	SW	W	W	W	WNW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW			285(WNW)
Jan 24	15.7	17.8	17.0	15.2	16.7	15.9	13.2	12.7	8.1	4.4	3.5	7.8	6.7	7.7	9.8	12.3	12.7	9.1	8.3	8.7	9.7	9.9	12.8	12.4	3.5	17.8	11.2
	WNW	WNW	WNW	WNW	NW	WNW	NW	NW	NW	WNW	NW	WNW	W	W	W	W	W	W	WNW	WNW	WNW	WNW	W	WNW			292(WNW)
Jan 25	15.1	15.5	15.4	15.8	16.4	15.1	15.2	14.9	15.1	13.3	14.4	14.9	13.7	14.0	14.6	14.3	7.4	5.5	10.5	14.1	13.5	14.1	14.2	16.2	5.5	16.4	13.9
	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW			286(WNW)
Jan 26	14.9	15.9	16.6	16.5	16.7	14.5	11.4	12.3	13.2	15.5	10.8	9.2	14.3	13.9	16.5	15.0	10.7	15.8	14.7	11.6	12.1	9.9	19.1	21.4	9.2	21.4	14.3
	W	W	WNW	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	SW	SW	W	W	W	W	W	W	W	W	W	W	WNW			270(W)
Jan 27	20.3	18.2	17.0	13.8	12.5	15.6	18.2	20.1	22.2	21.3	23.7	23.4	21.6	23.3	15.2	19.0	17.8	17.8	18.7	11.2	11.5	11.0	17.6	12.2	11.0	23.7	17.6
	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	W	WNW	W	WNW	NW	W	W	W	WNW			286(WNW)
Jan 28	8.1	11.1	18.8	8.1	10.0	11.7	10.9	13.0	7.7	8.4	9.1	10.9	7.6	7.7	8.3	7.6	6.2	5.3	5.2	5.4	4.9	6.3	4.2	1.7	1.7	18.8	8.3
	NW	WNW	WNW	W	W	W	WNW	NW	WNW	WNW	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	NNW	NNW	NE			291(WNW)
Jan 29	1.7	2.7	3.3	5.8	5.7	7.8	8.3	8.9	6.6	4.6	3.0	1.2	0.9	1.3	**0.3**	4.0	19.0	21.3	11.4	11.2	19.5	16.9	13.4	9.9	**0.3**	21.3	7.9
	E	ESE	SE	SE	E	E	ENE	ENE	E	E	E	SSE	SW	NW	ESE	WNW	W	WNW	NNW	NNW	N	N	NNE	N			57(ENE)
Jan 30	14.3	11.1	10.0	11.9	11.1	9.0	8.8	8.3	11.3	9.0	9.8	11.1	10.7	9.0	10.7	12.7	11.4	12.4	11.7	11.6	11.6	10.7	11.5	13.0	8.3	14.3	10.9
	N	NNE	N	NNE	NNE	NNE	NNE	NE	ENE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	N	N	N	N	N	N			22(NNE)
Jan 31	13.4	13.3	12.3	12.7	14.4	15.4	15.5	15.7	16.1	15.3	16.3	16.9	17.2	17.4	18.3	17.8	18.6	19.9	19.1	19.5	18.5	17.9	17.0	15.8	12.3	19.9	16.4
	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N			3(N)

C	Monthly Calibration	**S**	Daily Zero-Span Check	**Q**	Quality Assurance		
K	Collection Error	**ND**	No Data (Machine Not in Service)	**Y**	Routine Maintenance	**P**	Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	**NRM**	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)				

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.

Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

END OF REPORT

This page, 151 of 151, ends the January 2025 Monthly Ambient Air Quality Monitoring Report.

Peace River Area Monitoring Program

JANUARY 2025

Monthly Ambient Air Quality Monitoring Report

PRAMP-202501-Amended

Operation and Maintenance:

Bureau Veritas Canada

Data Validation and Report:

Peace River Area Monitoring Program

March 18, 2025

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March 28, 2025

Alberta Environment and Protected Areas (EPA)
11th Floor, Oxbridge Place
9820 106 Street
Edmonton, AB, T5K 2J6

RE: PRAMP – January 2025 Monthly Ambient Air Quality Monitoring Report – Amended Report

Enclosed is the January 2025 Amended Monthly Ambient Air Quality Monitoring Report for the continuous ambient air quality monitoring stations of the Peace River Area Monitoring Program (PRAMP) regional air quality monitoring network. The NOx/NO/NO2 analyzer at the AQHI-Grimshaw station could not achieve stability during the as-found points check on February 11. A repeat multi-point calibration was completed using different calibration equipment on February 26. The calibration was completed without issues. It was suspected that there might be issues with the calibration system used to calibrate the analyzer on January 21, 22, 24, 29, 30 and February 11. Data collected between January 21 and February 26 were considered invalid and therefore discarded. The January data were revised as a result. A total of 261 hours of downtime were recorded in January. Operational uptime for January was 64.9%. Documents that are listed bellowed were prepared and submitted as per AMD requirements.

- January 2025 monthly report (PRAMP-202501) was amended, and this amended report (PRAMP-202501-Amended) was prepared and submitted to ETS. **ETS Request #: 4786246**
- January 2025 hourly data file (AMB-PRAMP-202501) was revised, and AMB-PRAMP-202501-01689-VVC35 VVC37 VVC39-R1 was prepared and submitted to ETS. **ETS Request #4786242**

The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
Suite 91, 305 – 4625 Varity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca

This report has been prepared, review and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed.

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Amended Monitoring Notes during the Month of January 2025

AQHI - Grimshaw Station NOx/NO/NO2 Analyzer

- The Teledyne T200 analyzer, s/n: 837, could not achieve stability during the as-found points check on February 11. Although the calibration was allowed to continue, the validity of the calibration is questionable. A repeat multi-point calibration was completed using different calibration equipment on February 26, and the calibration was completed without issues. Based on February 26's calibration results, it was suspected that there might be issues with the calibration system used to calibrate the analyzer on January 21, 22, 24, 29, 30 and February 11. Data collected between January 21 and February 26 were considered invalid and therefore discarded. A total of 261 hours of downtime were recorded in January. Operational uptime for January was 64.9%. ***DINC#0014924***.

Certification

This report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).



Lily Lin, Technical Program Manager, PRAMP Airshed

This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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. I also certify that at the time of this report's submission, all air data have been electronically uploaded to Alberta's Ambient Air Quality Data Warehouse as required by the AMD.



Michael Bisaga, Technical Program Manager, PRAMP Airshed

March 18, 2025

AQHI - Grimshaw Station

Equipment Operation Summary

Parameter	Verification Date	Equipment Operational Summary
NOx/NO/NO2 Teledyne T200 #837	January 21, 2025 January 22, 2025 January 24, 2025 January 29, 2025 January 30, 2025 February 11, 2025 February 26, 2025	• The analyzer could not achieve stability during the as-found points check on February 11. Although the calibration was allowed to continue, the validity of the calibration is questionable. • A repeat multi-point calibration was completed using different calibration equipment on February , and the calibration was completed without issues. The permeation oven temperature was reduced on February 26, and the expected span value was updated on February 28. • Based on February 26's calibration results, it was suspected that there might be issues with the calibration system used to calibrate the analyzer on January 21, 22, 24, 29, 30 and February 11. Data collected between January 21 and February 26 were considered invalid and therefore invalid. A total of 261 hours of downtime were recorded in January.

Monitored Data Summary for AQHI - Grimshaw Station

Parameter	Objectives/Guidelines			Exceedances			Monthly Avg.	Min. 1-hr	Max. 1-hr	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	1-hr	24-hr	30-day	1-hr	24-hr	30-day										
SO2 (ppb)	172	48	11	0	0	0	0.0	0	3	Jan 7 at hr 15	11.8	SW	0.8	Jan 7	100.0	95.0
TRS (ppb)	-	-	-	-	-	-	0.20	0.00	0.49	Jan 9 at hr 6	3.1	W	0.30	Jan 19	100.0	95.0
NOx (ppb)	-	-	-	-	-	-	NA	1	78	Jan 9 at hr 10	1.2	SSE	17.8	Jan 9	64.9	60.9
NO (ppb)	-	-	-	-	-	-	NA	0	54	Jan 9 at hr 6	3.1	W	7.7	Jan 9	64.9	60.9
NO2 (ppb)	159	-	-	0	-	-	NA	1	37	Jan 9 at hr 9	0.9	SW	12.0	Jan 3	64.9	60.9
O3 (ppb)	76	-	-	0	-	-	32.2	2.6	47.2	Jan 7 at hr 19	22.5	WSW	40.7	Jan 27	100.0	95.1
THC (ppm)	-	-	-	-	-	-	2.03	1.93	2.25	Jan 3 at hr 2	4	NNE	2.15	Jan 6	100.0	95.3
CH4 (ppm)	-	-	-	-	-	-	2.03	1.93	2.25	Jan 3 at hr 2	4	NNE	2.15	Jan 6	100.0	95.3
NMHC (ppm)	-	-	-	-	-	-	0.00	0.00	0.06	Jan 24 at hr 19	8.7	WNW	0.00	Jan 24	100.0	95.3
PM2.5 (µg/m3)	80	29	-	0	0	-	4.3	0	20	Jan 4 at hr 14	10.3	N	10.8	Jan 6	100.0	99.9
RH (%)	-	-	-	-	-	-	75.3	42	100	Jan 16 at hr 10	22.8	WNW	88.0	Jan 16	100.0	100.0
BP (millibar)	-	-	-	-	-	-	947	922	969	Jan 17 at hr 20	3.2	N	966	Jan 19	100.0	100.0
Ext. Temp. (°C)	-	-	-	-	-	-	-7.9	-25.4	6.6	Jan 14 at hr 13	31.2	W	3.7	Jan 14	100.0	100.0
Stn. Temp. (°C)	-	-	-	-	-	-	21.3	19.4	24.6	Jan 31 at hr 4	14.4	N	22.7	Jan 18	100.0	100.0
WSV (km/hr)	-	-	-	-	-	-	10.4	0.3	33.1	Jan 14 at hr 12	33.1	W	21.5	Jan 14	100.0	100.0
WDV (sector)	-	-	-	-	-	-	299 (WNW)	-	-	-	-	-	-	-	100.0	100.0

1- Date/ Time given is the first minimum and maximum value that was recorded

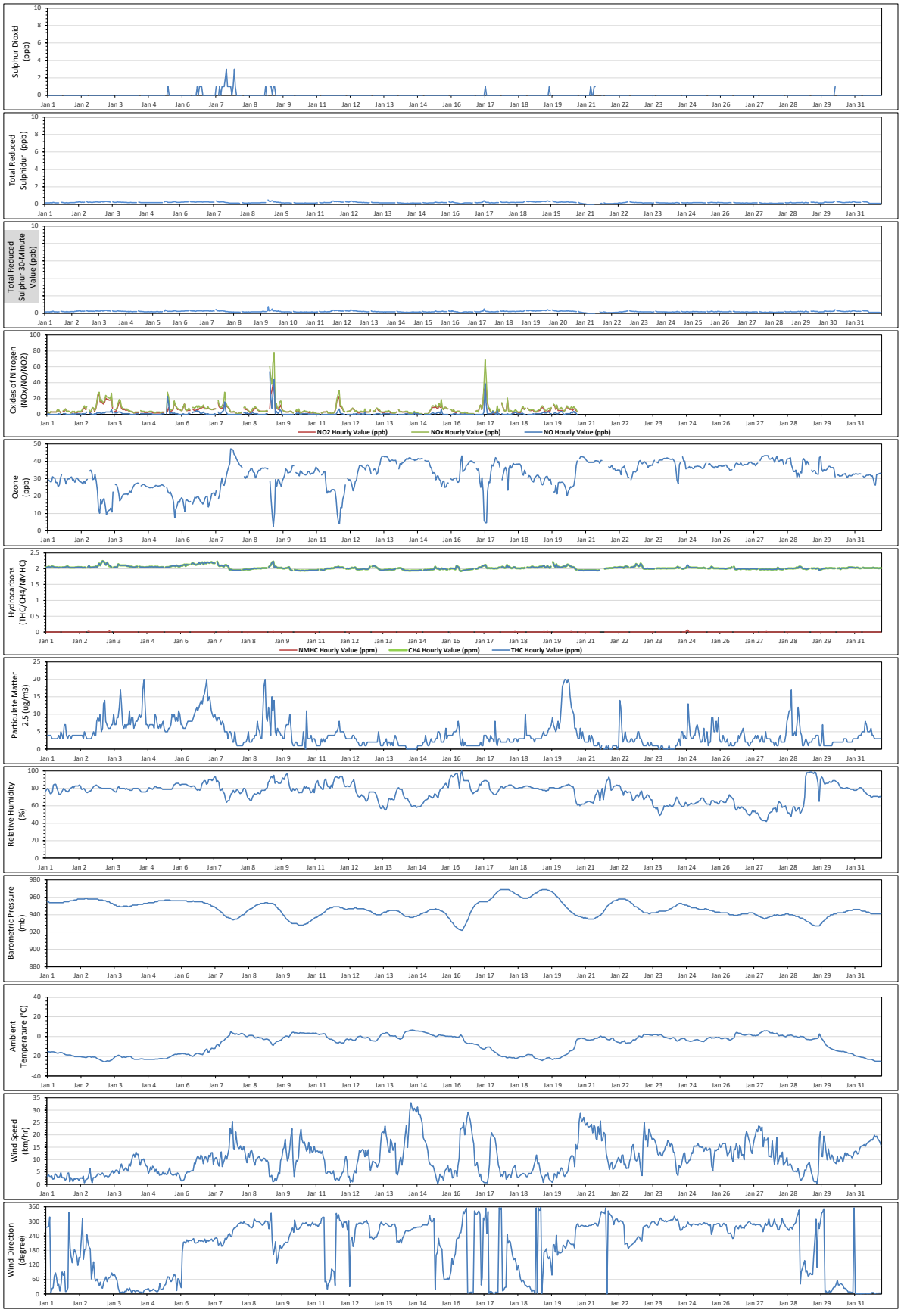
Parameter	Objectives/Guidelines	Exceedances	Monthly Avg.	Min. 30-min	Max. 30-min	Date/Time	VWS (km/hr)	VWD (sector)	Max. 24-hr	Date	Operational Uptime (%)	Valid Data (%)
	30-min	30-min										
TRS (ppb)	5	0	0.20	0.00	0.70	Jan 9 at 06:30	2.2	SW	0.30	Jan 19	100.0	95.1

1- Date/ Time given is the first minimum and maximum value that was recorded

Alberta Ambient Air Quality Objectives (AAAQOs) and/or Alberta Ambient Air Quality Guidelines (AAAQGs) Exceedances

The measured ambient air quality was within the AAAQOs and/or AAAQGs for all monitored parameters.

Timeseries Chart of Hourly Average for the month of Jan 2025 - AQHI - Grimshaw Station



TABLES AND CHARTS

AQHI – Grimshaw Station

Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

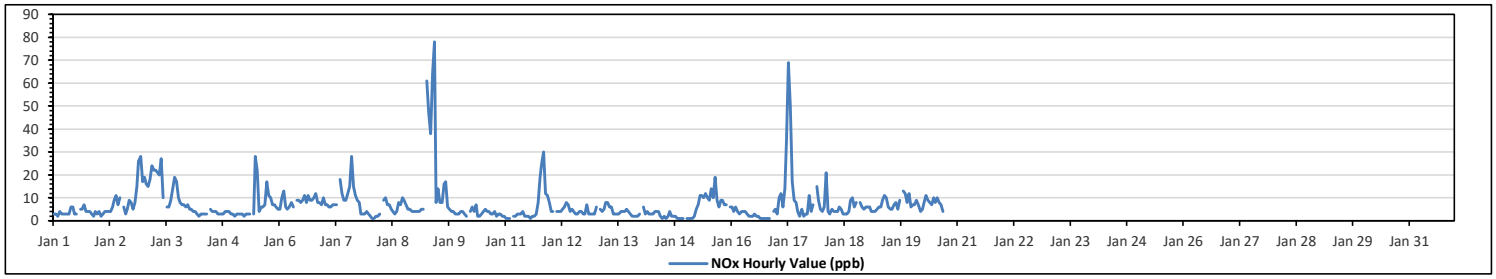
OXIDES OF NITROGEN (NOx) in ppb

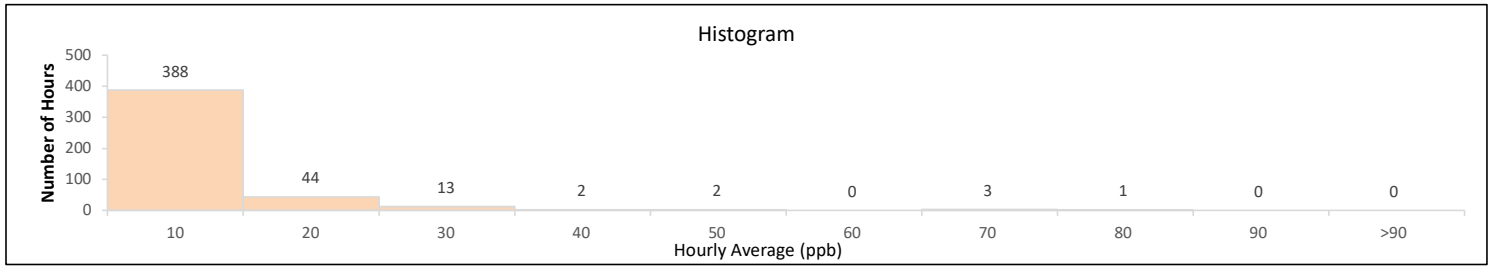
Maximum Hourly Value:	78	ppb	on Jan 9 at hr 10	Hours in Service:	744	
Maximum Daily Value:	17.8	ppb	on Jan 9	Hours of Data:	453	
Minimum Hourly Value:	1	ppb	on Jan 8 at hr 1	Hours of Missing Data:	261	
Minimum Daily Value:	2.5	ppb	on Jan 14	Hours of Calibration:	30	
Monthly Average:	NA	ppb		Operational Uptime:	64.9	

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3	3	2	4	3	3	3	3	3	6	6	3	3	S	5	5	7	4	4	4	3	2	4	3	2	7	3.7
Jan 2	4	2	3	4	4	4	4	6	9	11	7	10	S	6	3	5	9	8	5	8	15	26	28	17	2	28	8.6
Jan 3	19	16	15	18	24	22	22	21	20	27	10	S	6	6	9	14	19	17	10	8	7	7	6	7	6	27	14.3
Jan 4	5	5	4	4	3	2	3	3	3	3	S	5	4	4	4	3	3	3	3	4	4	4	3	3	2	5	3.6
Jan 5	2	3	3	3	3	2	3	3	3	S	3	28	22	4	6	6	7	17	11	10	7	7	6	5	2	28	7.1
Jan 6	5	10	13	6	5	6	8	6	S	9	9	8	9	11	8	11	9	9	10	12	8	8	7	10	5	13	8.6
Jan 7	7	7	6	6	7	7	7	S	18	12	9	9	12	15	28	15	11	9	8	3	3	3	4	3	3	28	9.1
Jan 8	2	1	1	2	2	3	S	9	10	7	7	5	4	3	4	8	7	10	9	7	5	5	4	4	1	10	5.2
Jan 9	4	4	4	5	5	S	61	47	38	64	78	8	14	8	8	16	17	6	5	4	4	3	3	3	3	78	17.8
Jan 10	4	4	3	2	S	4	6	4	7	2	2	3	4	5	4	4	3	3	4	2	3	3	2	2	2	7	3.5
Jan 11	1	1	1	S	2	2	3	3	3	4	2	2	2	1	2	2	3	8	19	25	30	12	11	8	1	30	6.4
Jan 12	4	4	S	4	4	4	5	6	8	7	4	5	4	3	3	4	4	3	3	7	3	3	3	3	3	8	4.3
Jan 13	6	S	5	4	5	8	8	6	6	3	3	3	3	4	4	4	5	4	3	2	2	2	2	3	2	8	4.1
Jan 14	S	6	3	4	3	3	3	4	4	4	2	1	2	1	2	4	2	2	2	1	1	1	1	S	1	6	2.5
Jan 15	1	1	1	1	2	5	7	11	11	10	12	10	9	14	10	19	9	6	9	9	7	7	S	6	1	19	7.7
Jan 16	6	4	6	4	3	4	4	4	3	2	2	2	3	2	2	1	1	1	1	1	1	S	4	5	1	6	2.9
Jan 17	3	10	12	6	14	35	69	50	17	9	8	4	2	5	2	3	3	11	4	7	S	15	9	5	2	69	13.2
Jan 18	4	6	21	4	3	5	4	4	4	6	5	3	3	3	4	9	10	6	8	S	8	6	5	6	3	21	6.0
Jan 19	6	6	4	4	4	5	6	6	9	11	10	6	5	5	7	8	5	9	S	13	12	8	12	6	4	13	7.3
Jan 20	7	7	9	7	4	5	8	11	9	8	7	10	8	7	8	7	4	S	X	X	X	X	X	X	4	11	NA
Jan 21	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 22	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 26	X	X	X	X	X	X	NRM	X	X	NRM	X	X	X	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 29	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Jan 30	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	C	C	C	C	C	X	X	X	X	X	X	-	-	-
Jan 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Diurnal Maximum	19	16	21	18	24	35	69	50	38	64	78	28	22	15	28	19	19	17	19	25	30	26	28	17			
Diurnal Average	4.9	5.3	6.1	4.8	5.3	6.8	12.3	10.9	9.7	10.8	9.8	6.6	6.3	5.6	6.2	7.4	6.9	7.2	6.6	7.1	6.8	6.8	6.3	5.5			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



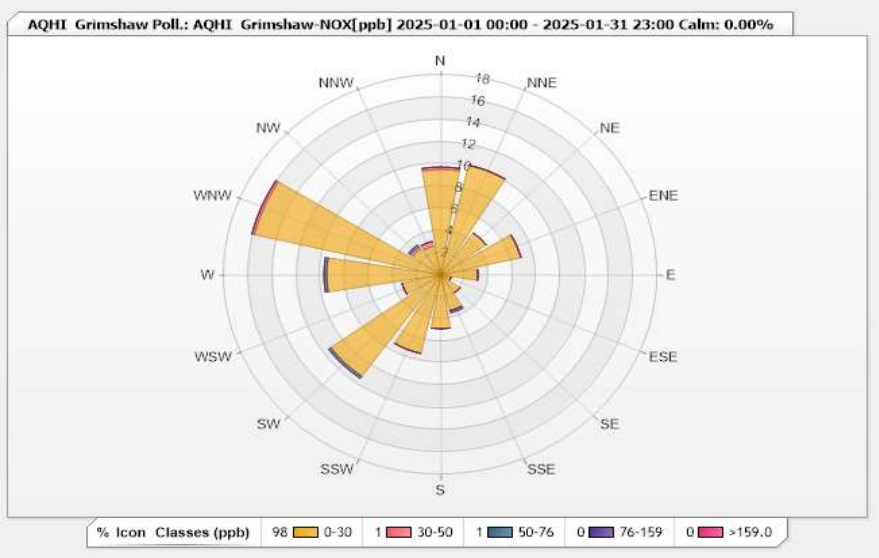


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 60.89% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	9.49	0.22	0	0	0	9.71
NNE	10.15	0	0	0	0	10.15
NE	4.64	0	0	0	0	4.64
ENE	6.84	0	0	0	0	6.84
E	3.09	0	0	0	0	3.09
ESE	0.88	0	0	0	0	0.88
SE	1.99	0	0	0	0	1.99
SSE	3.31	0	0	0.22	0	3.53
S	4.86	0	0	0	0	4.86
SSW	7.28	0	0	0	0	7.28
SW	11.26	0	0.22	0	0	11.48
WSW	3.31	0	0	0	0	3.31
W	9.49	0	0.22	0	0	9.71
WNW	15.89	0.22	0	0	0	16.11
NW	2.87	0.22	0.22	0	0	3.31
NNW	2.65	0.44	0	0	0	3.09
Summary	98	1.1	0.66	0.22	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

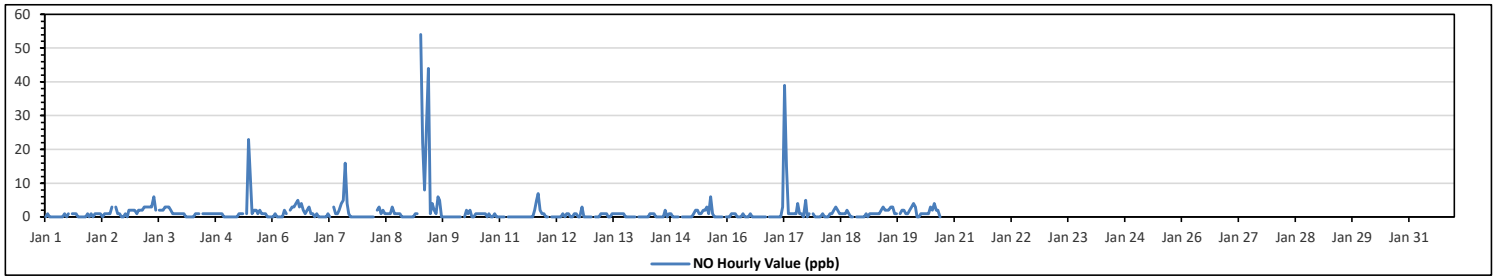
NITRIC OXIDE (NO) in ppb

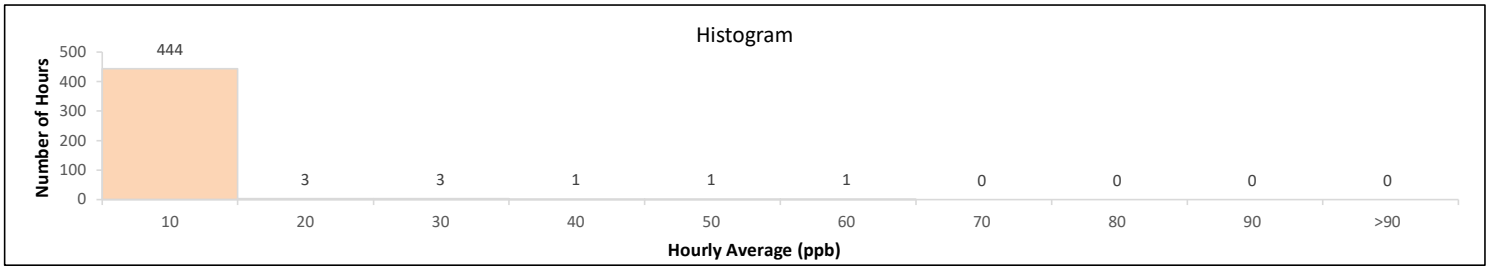
Maximum Hourly Value:	54	ppb	on Jan 9 at hr 6	Hours in Service:	744
Maximum Daily Value:	7.7	ppb	on Jan 9	Hours of Data:	453
Minimum Hourly Value:	0	ppb	on Jan 1 at hr 0	Hours of Missing Data:	261
Minimum Daily Value:	0.2	ppb	on Jan 16	Hours of Calibration:	30
Monthly Average:	NA	ppb		Operational Uptime:	64.9

Day	Hourly Period Starting at (MST)																							Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	0	1	0	0	0	0	0	0	0	0	1	0	1	S	1	1	1	0	0	0	0	0	1	0	0	1	0.3
Jan 2	1	0	1	1	1	1	0	1	1	1	1	3	S	3	1	1	0	0	1	0	2	2	2	2	0	3	1.1
Jan 3	1	2	2	2	3	3	3	3	3	6	2	S	2	2	2	3	3	3	2	1	1	1	1	1	1	6	2.3
Jan 4	1	1	0	0	0	0	0	1	1	1	S	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0.7
Jan 5	0	0	0	0	0	0	1	1	1	S	1	23	13	1	2	2	1	2	1	1	1	0	0	0	0	23	2.2
Jan 6	0	1	0	0	0	0	2	1	S	2	3	3	4	5	3	4	2	1	2	3	1	1	0	1	0	5	1.7
Jan 7	0	0	0	0	0	1	0	S	3	1	1	2	4	5	16	4	1	0	0	0	0	0	0	0	0	16	1.7
Jan 8	0	0	0	0	0	0	S	2	3	1	2	1	1	1	1	3	1	1	1	1	0	0	0	0	0	3	0.8
Jan 9	0	0	0	1	1	S	54	22	8	27	44	1	4	2	1	6	5	0	0	0	0	0	0	0	0	**54**	**7.7**
Jan 10	0	0	0	0	S	0	2	1	2	0	0	1	1	1	1	1	1	0	1	0	0	1	0	0	0	2	0.6
Jan 11	0	0	0	S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	2	1	1	0	7	0.8
Jan 12	0	0	S	0	0	0	0	0	0	1	0	1	1	0	0	1	1	0	0	3	0	0	0	0	0	3	0.3
Jan 13	0	S	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0.5
Jan 14	S	0	0	0	0	0	0	1	1	1	0	0	0	0	0	2	0	1	1	0	0	0	0	S	0	2	0.3
Jan 15	0	0	0	0	0	0	1	2	2	1	1	2	2	3	1	6	1	0	0	0	0	0	S	0	0	6	1.0
Jan 16	0	0	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	S	0	0	0	1	0.2
Jan 17	0	0	0	0	0	3	39	15	1	1	1	1	1	4	1	1	0	5	0	1	S	1	0	0	0	39	3.3
Jan 18	0	0	1	0	0	0	1	1	2	3	2	1	1	1	1	2	1	0	0	S	0	0	0	0	0	3	0.7
Jan 19	0	1	0	1	1	1	1	1	1	2	3	2	2	2	3	3	1	1	S	1	2	2	1	1	0	3	1.4
Jan 20	2	3	4	3	0	0	1	1	1	1	1	3	2	2	2	2	0	S	X	X	X	X	X	X	0	4	NA
Jan 21	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 22	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 26	X	X	X	X	X	X	NRM	X	X	NRM	X	X	X	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 29	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Jan 30	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	C	C	C	C	C	X	X	X	X	X	X	-	-	-
Jan 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Diurnal Maximum	2	3	4	3	3	3	54	22	8	27	44	23	13	5	16	6	5	5	2	5	7	2	2	2			
Diurnal Average	0.3	0.5	0.5	0.5	0.4	0.5	5.6	2.8	1.7	2.6	3.3	2.4	2.2	1.8	1.9	2.2	1.1	0.8	0.7	0.9	0.8	0.6	0.3	0.3			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



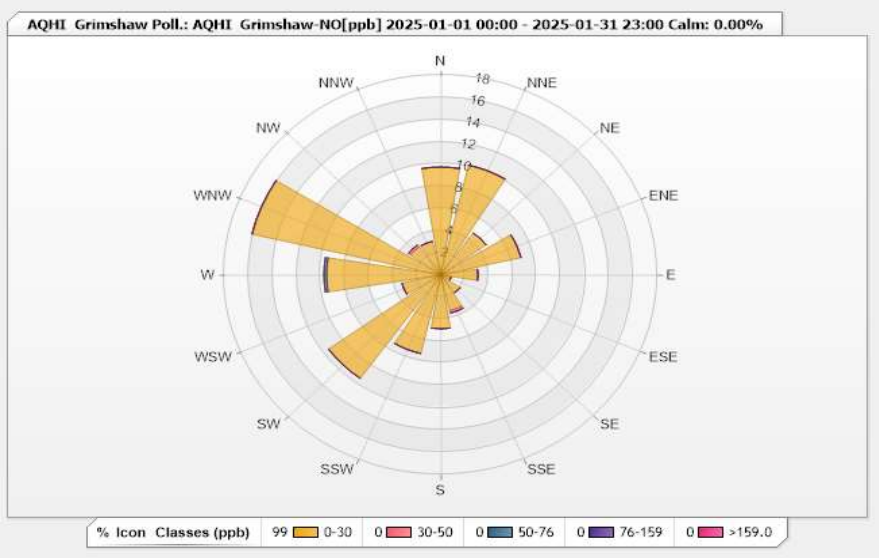


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 60.89% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	9.71	0	0	0	0	9.71
NNE	10.15	0	0	0	0	10.15
NE	4.64	0	0	0	0	4.64
ENE	6.84	0	0	0	0	6.84
E	3.09	0	0	0	0	3.09
ESE	0.88	0	0	0	0	0.88
SE	1.99	0	0	0	0	1.99
SSE	3.31	0.22	0	0	0	3.53
S	4.86	0	0	0	0	4.86
SSW	7.28	0	0	0	0	7.28
SW	11.48	0	0	0	0	11.48
WSW	3.31	0	0	0	0	3.31
W	9.49	0	0.22	0	0	9.71
WNW	16.11	0	0	0	0	16.11
NW	3.09	0.22	0	0	0	3.31
NNW	3.09	0	0	0	0	3.09
Summary	99.32	0.44	0.22	0	0	100



Peace River Area Monitoring Program

AQHI - Grimshaw Station - January 2025

Summary of Hourly Averages

NITROGEN DIOXIDE (NO_2) in ppb

Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 159 ppb

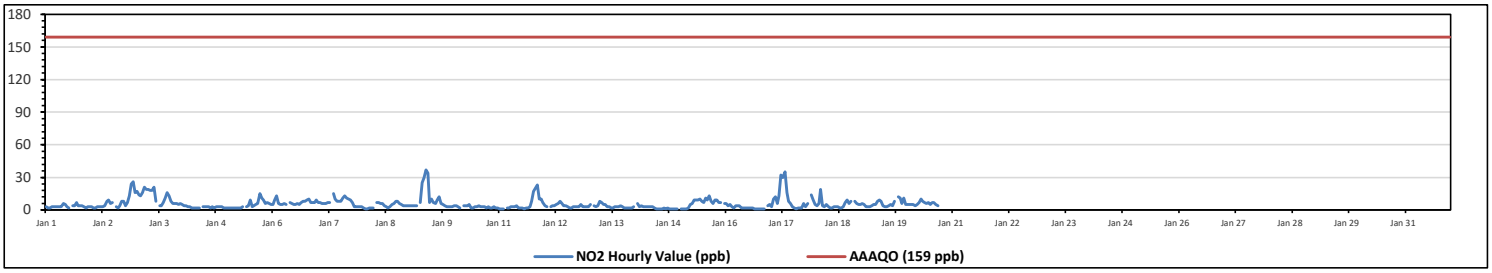
Number of 1-Hour Exceedances: 0

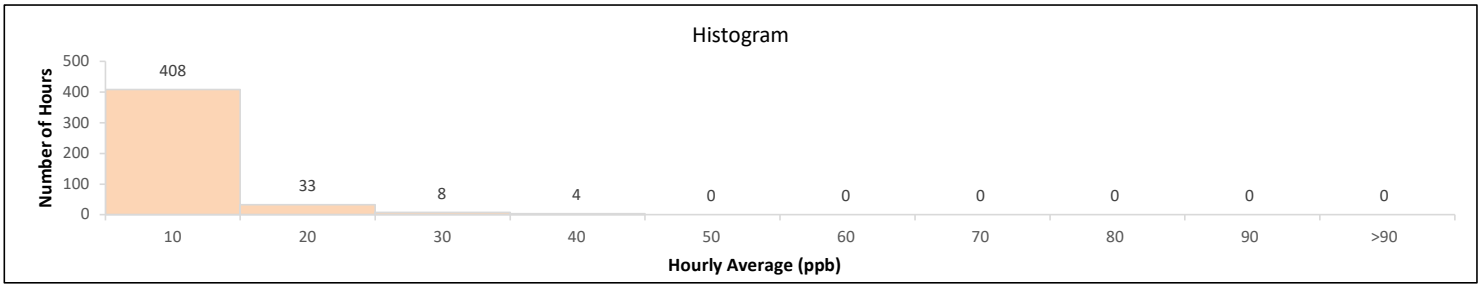
Maximum Hourly Value:	37	ppb	on Jan 9 at hr 9	Hours in Service:	744
Maximum Daily Value:	12.0	ppb	on Jan 3	Hours of Data:	453
Minimum Hourly Value:	1	ppb	on Jan 8 at hr 1	Hours of Missing Data:	261
Minimum Daily Value:	2.1	ppb	on Jan 14	Hours of Calibration:	30
Monthly Average:	NA	ppb		Operational Uptime:	64.9

Day	Hourly Period Starting at (MST)																						Daily Minimum	Daily Maximum	Daily Average
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
Jan 1	3	2	2	3	3	3	3	3	3	6	5	3	2	S	4	4	7	4	4	4	3	2	3	3	2	7	3.4
Jan 2	3	2	2	3	3	3	3	4	8	9	6	7	S	3	2	4	8	8	4	7	13	24	26	16	2	26	7.3
Jan 3	17	14	13	16	21	19	19	18	18	21	8	S	4	4	7	11	16	13	8	6	6	6	5	6	4	21	**12.0**
Jan 4	5	4	4	3	3	2	2	2	2	2	S	3	3	3	3	2	3	2	3	3	3	3	2	2	2	5	2.8
Jan 5	2	2	2	2	2	2	2	2	3	S	3	4	9	3	4	5	6	15	11	9	6	7	6	5	2	15	4.9
Jan 6	5	9	13	6	5	5	6	5	S	7	6	5	5	6	5	7	8	8	9	10	7	7	7	9	5	13	7.0
Jan 7	7	7	6	6	6	7	7	S	15	10	8	8	8	11	13	11	10	9	7	3	3	3	3	3	3	15	7.4
Jan 8	2	1	1	2	2	2	S	7	7	6	6	4	3	2	3	5	6	8	8	6	5	4	4	4	**1**	8	4.3
Jan 9	4	4	4	4	4	S	7	25	30	37	34	7	10	7	6	9	12	6	5	4	3	3	3	3	3	**37**	10.0
Jan 10	4	4	3	2	S	4	4	4	5	2	2	3	3	4	3	3	3	2	3	2	2	3	2	2	2	5	3.0
Jan 11	1	1	1	S	2	2	3	3	3	4	2	2	2	1	2	2	3	8	17	20	23	10	10	7	**1**	23	5.6
Jan 12	4	3	S	3	4	4	5	6	8	6	4	4	3	2	2	3	3	3	3	5	3	3	3	3	2	8	3.8
Jan 13	5	S	4	3	4	8	7	5	5	3	3	2	2	3	3	3	4	3	2	2	2	2	2	3	2	8	3.5
Jan 14	S	6	3	4	3	3	3	3	3	3	2	1	1	1	1	2	1	2	1	1	1	1	1	S	**1**	6	**2.1**
Jan 15	1	1	1	1	2	5	6	9	9	9	10	8	7	11	9	13	8	6	9	9	7	7	S	6	**1**	13	6.7
Jan 16	6	4	5	3	2	4	4	4	2	2	2	2	2	2	2	1	1	1	1	1	1	S	4	5	**1**	6	2.7
Jan 17	3	10	12	6	13	32	30	35	16	8	6	3	2	1	2	2	2	6	3	6	S	14	9	5	**1**	35	9.8
Jan 18	4	6	19	4	3	5	3	2	2	3	3	3	2	2	3	7	9	6	8	S	8	6	5	5	2	19	5.1
Jan 19	6	5	3	3	3	4	5	5	8	9	8	4	3	3	4	5	4	8	S	12	11	6	11	5	3	12	5.9
Jan 20	5	5	5	5	4	5	7	10	8	7	6	7	5	5	7	5	3	S	X	X	X	X	X	X	3	10	NA
Jan 21	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 22	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 26	X	X	X	X	X	X	NRM	X	X	NRM	X	X	X	NRM	NRM	NRM	X	X	X	X	X	X	X	X	-	-	-
Jan 27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Jan 29	X	X	X	X	X	X	X	X	X	X	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	-	-	-
Jan 30	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	NRM	C	C	C	C	C	C	C	C	C	X	X	X	X	X	X	-	-	-
Jan 31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
Diurnal Maximum	17	14	19	16	21	32	30	35	30	37	34	8	10	11	13	13	16	15	17	20	23	24	26	16			
Diurnal Average	4.6	4.7	5.4	4.2	4.7	6.3	6.6	8.0	8.2	8.1	6.5	4.2	4.0	3.9	4.3	5.2	5.9	6.2	5.9	6.1	5.9	6.2	5.9	5.1			

C	Monthly Calibration	S	Daily Zero-Span Check	Q	Quality Assurance	
K	Collection Error	ND	No Data (Machine Not in Service)	Y	Routine Maintenance	P Power Failure
X	InValid Data (Equipment Malfunction /Recovery)	NRM	UnitMaint (Repeat Calibration / Repeat Daily Zero-Span Check / Non-Routine Maintenance)			

Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



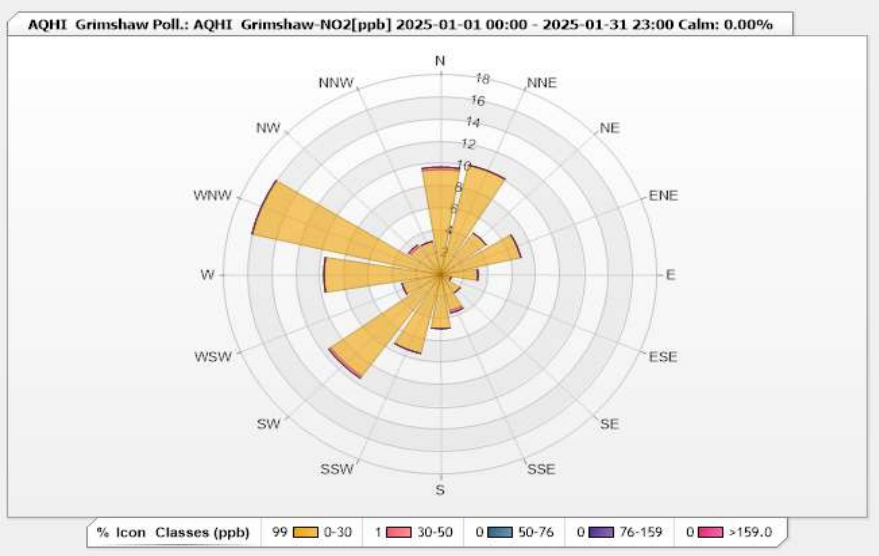


Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 01-2025

Type: Pollution Rose
Direction: Blowing From (Wind Frequency)
Time Base: 1 - Hour

Calm: 0.00% Valid Data: 60.89% Calm Avg: 0.00 [ppb]

Direction	0-30	30-50	50-76	76-159	>159.0	Total
N	9.49	0.22	0	0	0	9.71
NNE	10.15	0	0	0	0	10.15
NE	4.64	0	0	0	0	4.64
ENE	6.84	0	0	0	0	6.84
E	3.09	0	0	0	0	3.09
ESE	0.88	0	0	0	0	0.88
SE	1.99	0	0	0	0	1.99
SSE	3.31	0.22	0	0	0	3.53
S	4.86	0	0	0	0	4.86
SSW	7.28	0	0	0	0	7.28
SW	11.26	0.22	0	0	0	11.48
WSW	3.31	0	0	0	0	3.31
W	9.71	0	0	0	0	9.71
WNW	16.11	0	0	0	0	16.11
NW	3.09	0.22	0	0	0	3.31
NNW	3.09	0	0	0	0	3.09
Summary	99.1	0.88	0	0	0	100



END OF REPORT

This page, 18 of 18 ends the January 2025 Monthly Ambient Air Quality Monitoring Report- Amended Report.

Peace River Area Monitoring Program

JANUARY 2025

Ambient Air Monitoring Calibration Report

- 842-B STATION-

CAL-PRAMP-202501-01561

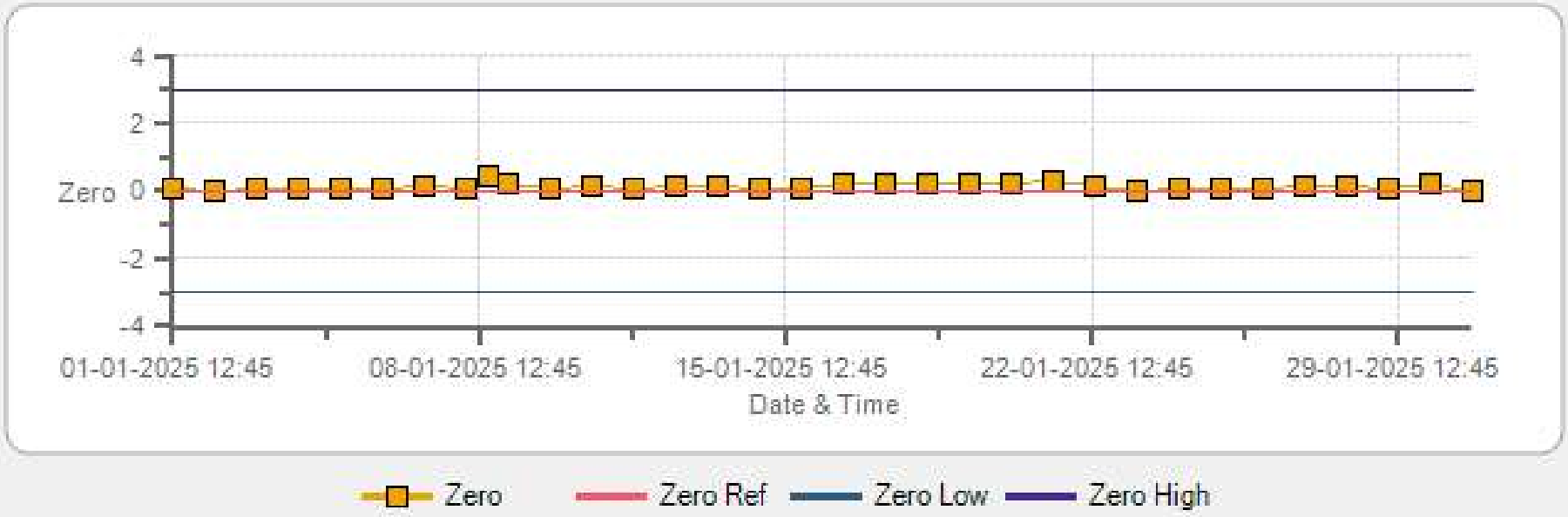
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

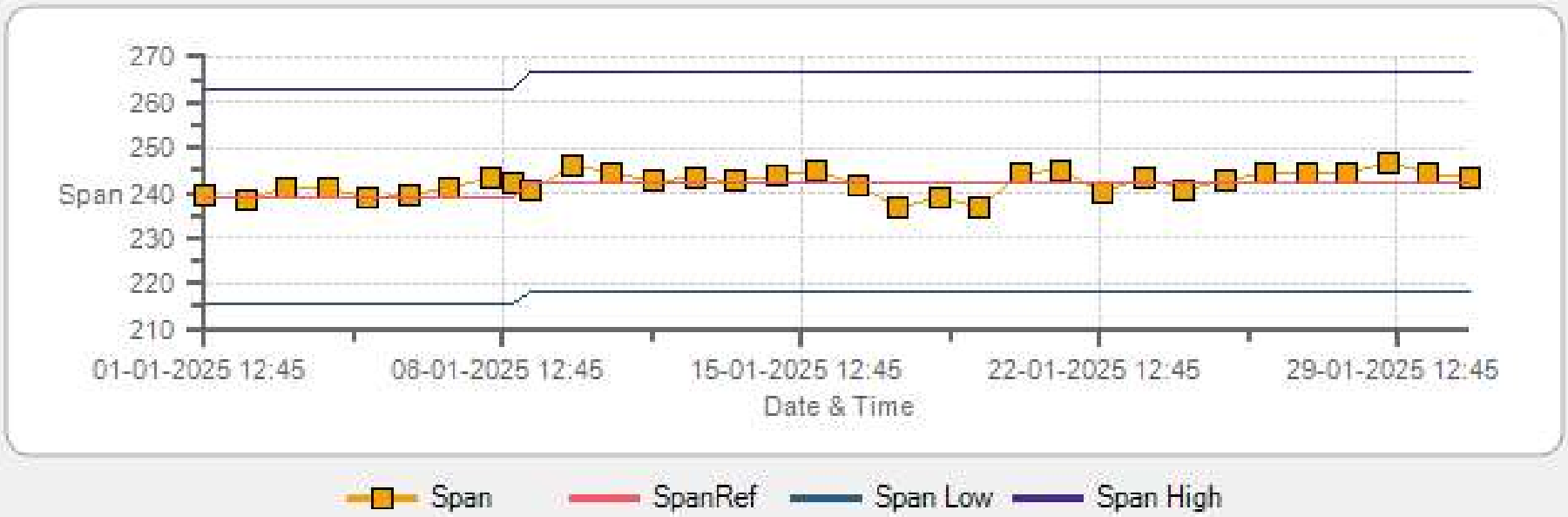
February 14, 2025

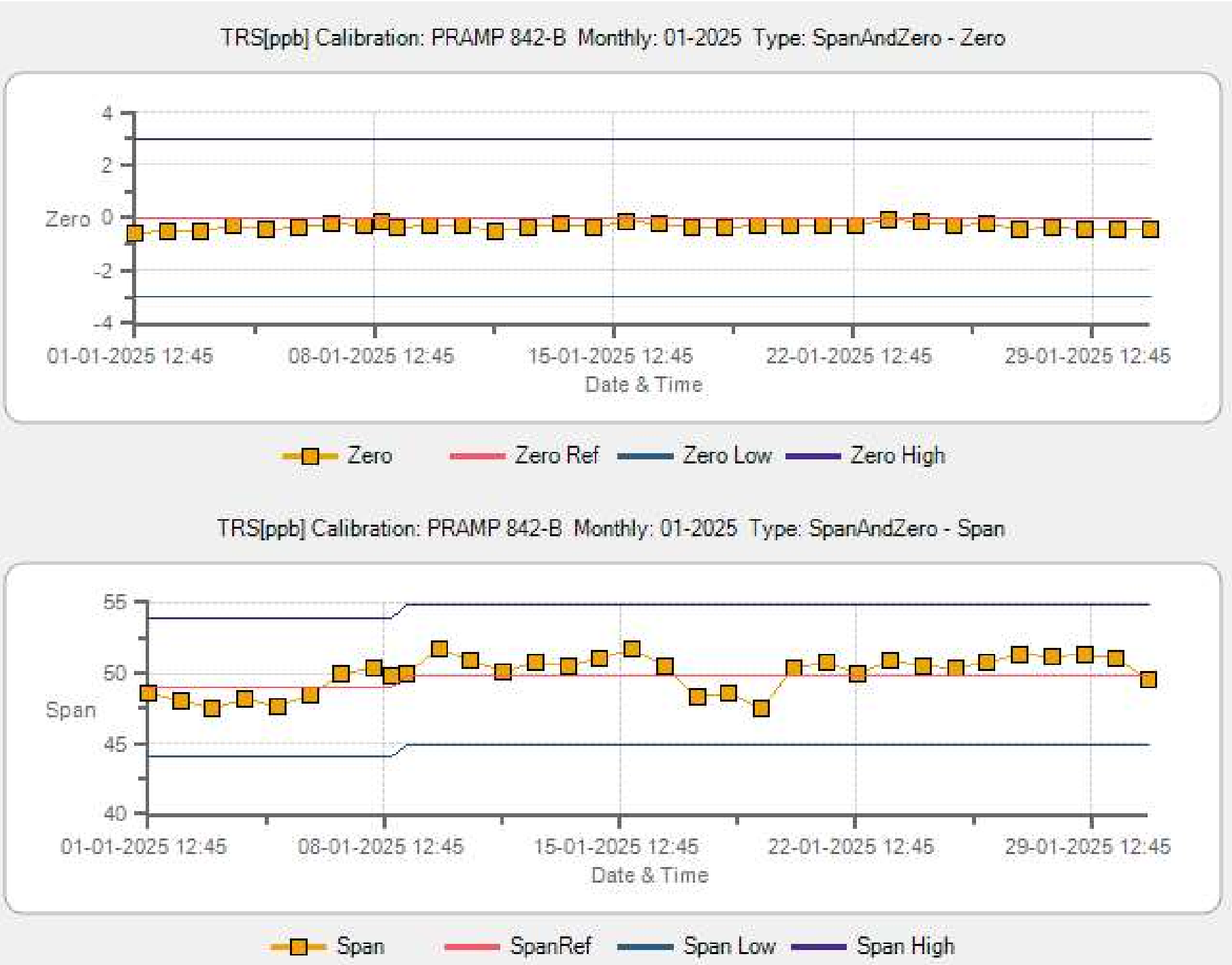
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

SO2[ppb] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Zero

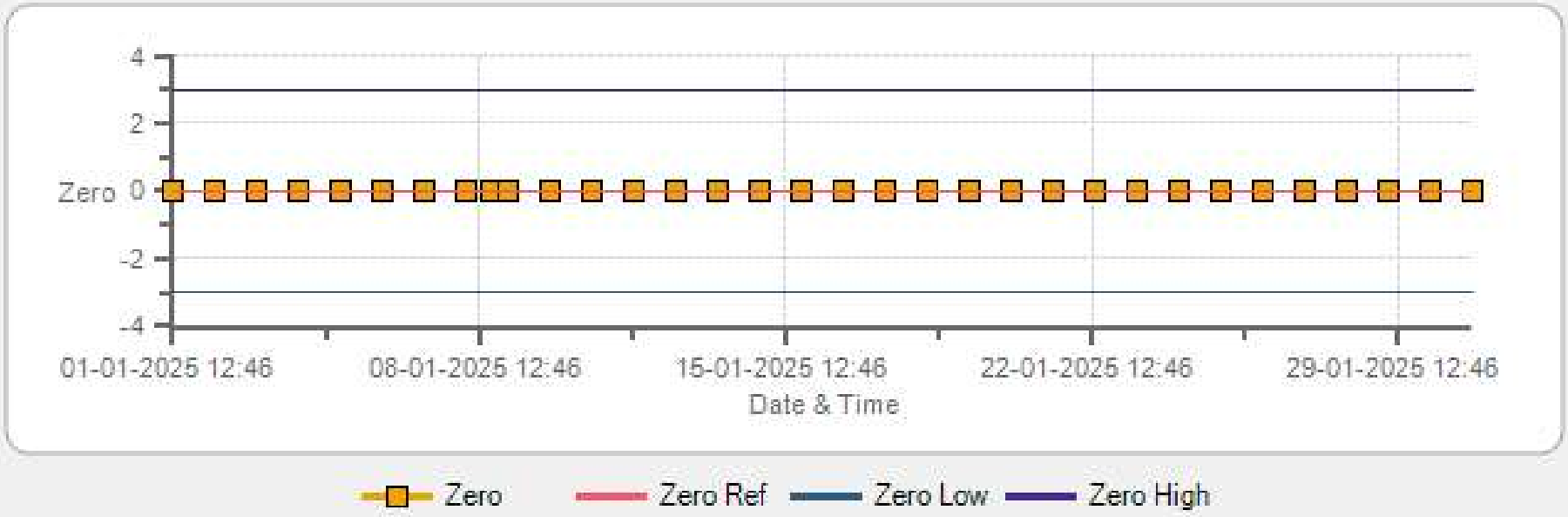


SO2[ppb] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Span

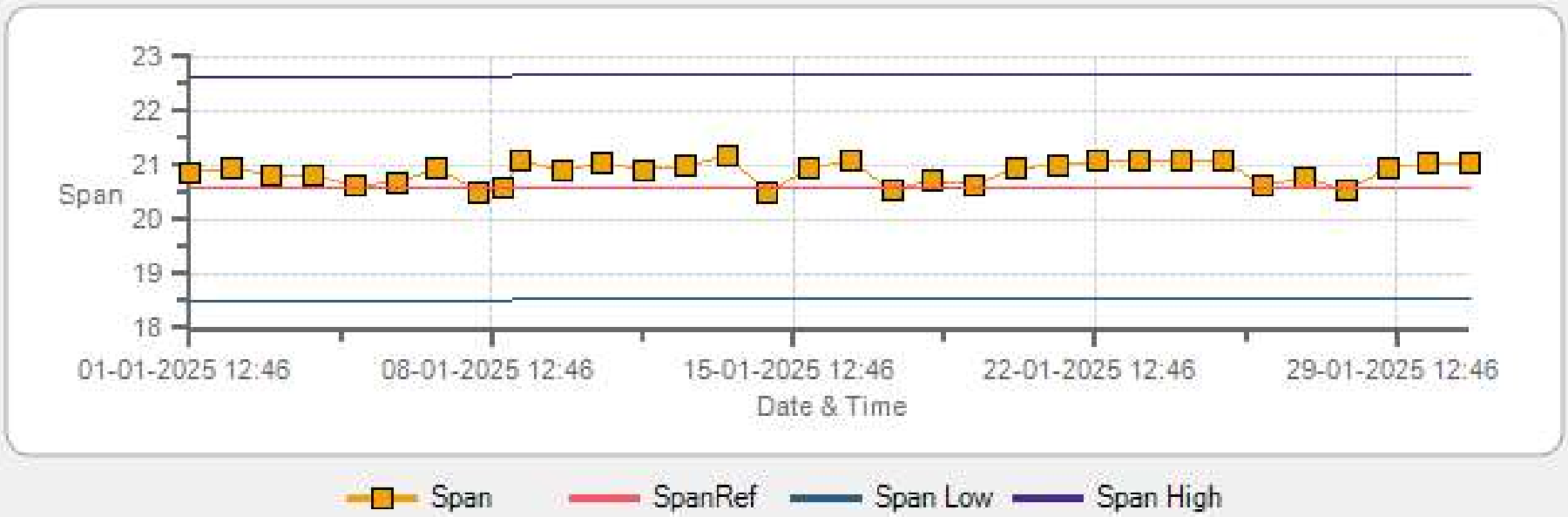



TRS[ppb] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 12:45
08-01-2025 12:45
15-01-2025 12:45
22-01-2025 12:45
29-01-2025 12:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Span
55
50
Span
45
40
01-01-2025 12:45
08-01-2025 12:45
15-01-2025 12:45
22-01-2025 12:45
29-01-2025 12:45
Date & Time
Span
SpanRef
Span Low
Span High

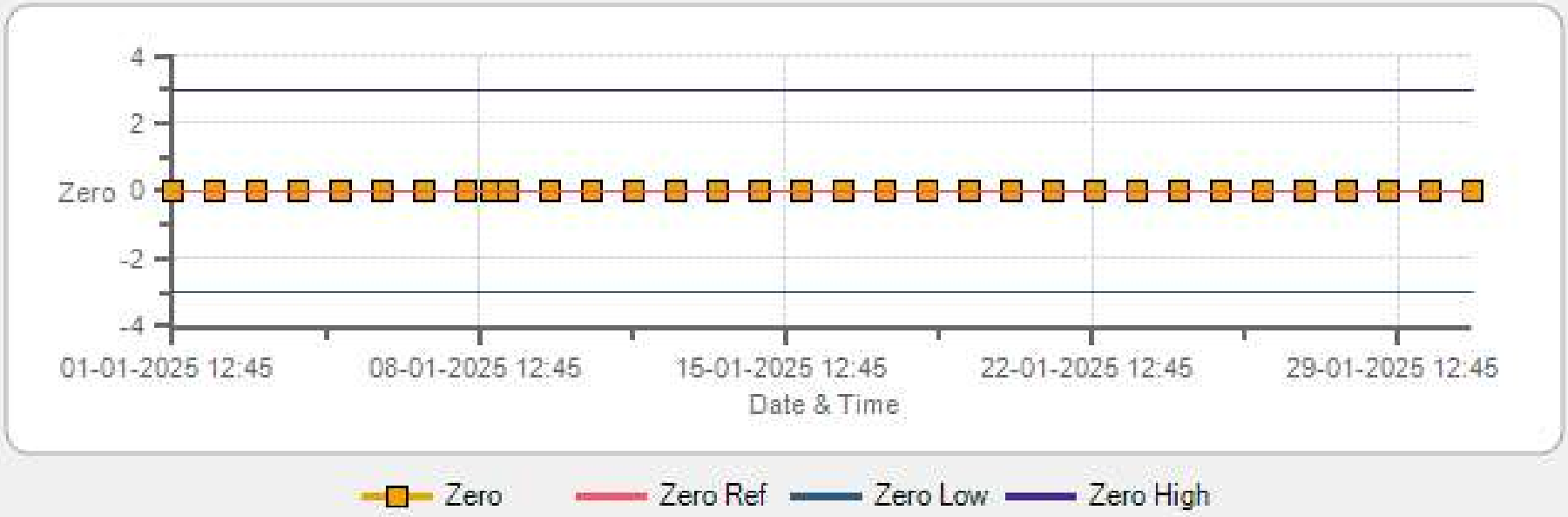
THC55[ppm] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Zero



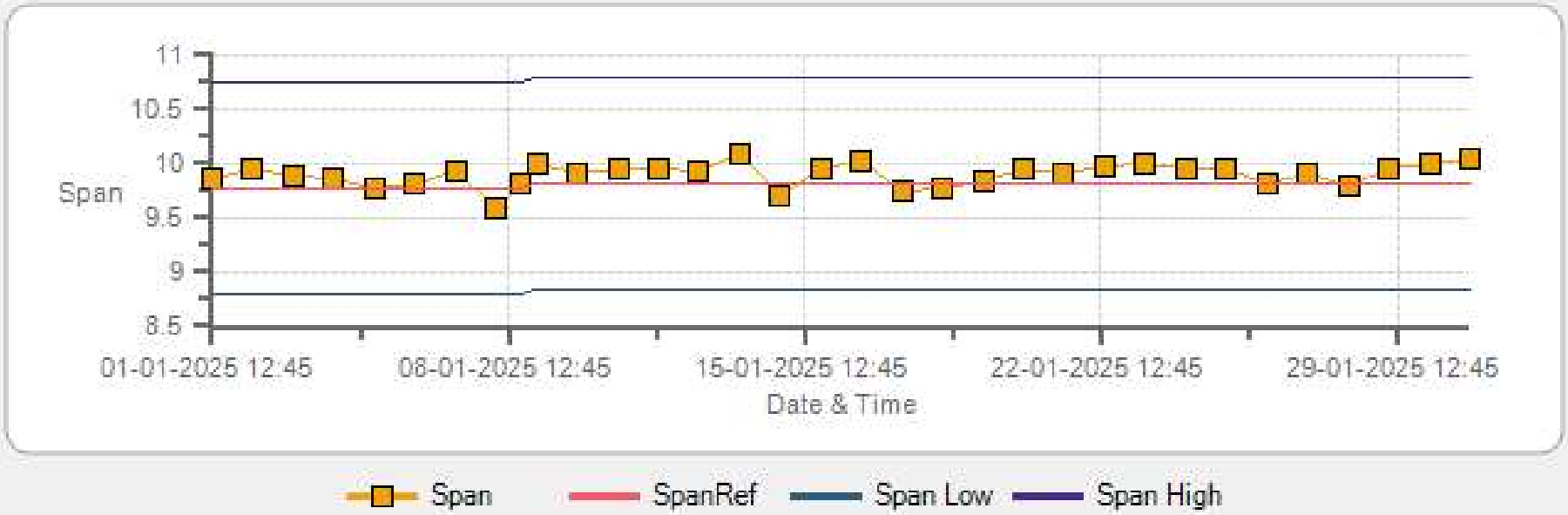
THC55[ppm] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Span



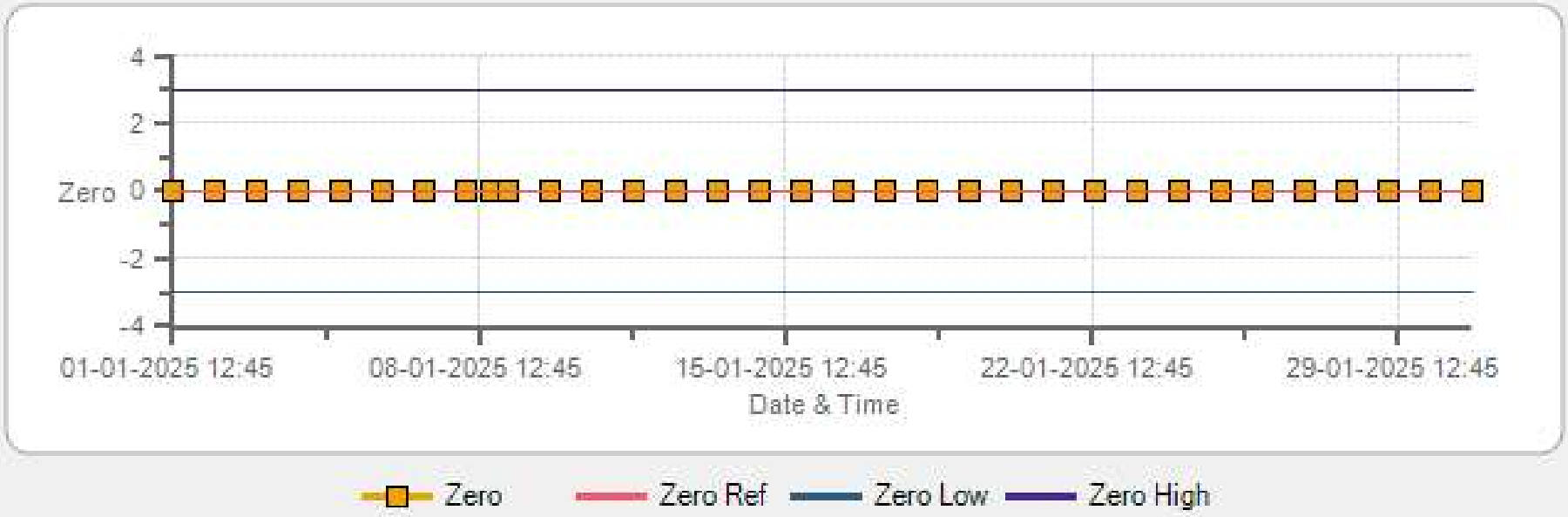
CH4[ppm] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Zero



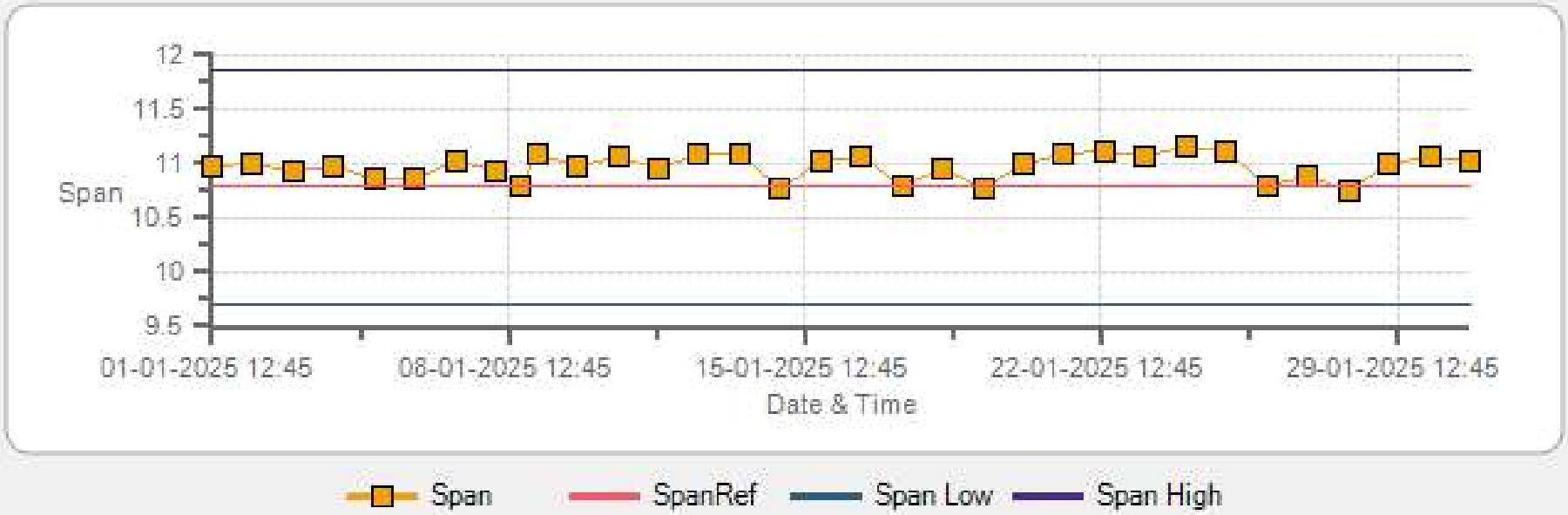
CH4[ppm] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP 842-B Monthly: 01-2025 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	08-Jan-2025	PREVIOUS CALIBRATION DATE:	18-Dec-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	21.5
LOCATION:	842b	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	13:53
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:16

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500	ppb
SERIAL #	1200736629	FLOW (mL/min)	428	
INITIAL		FINAL		
BKG/OFFSET	9.1	BKG/OFFSET	9.1	
COEF/SLOPE	1.137	COEF/SLOPE	1.142	
Expected (reference) Value	239.1	Expected (reference) Value	242.3	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
DILUENT	GAS	TOTAL	ACTUAL	INDICATED Initial	INDICATED Final	Initial	Final
4000		4000	0.00	0.1	0		
3938	60.60	3999	380.36	375.8	380.6	1.012	0.999
3970	28.70	3999	180.14	n/a	182	n/a	0.990
3986	14.40	4000	90.36	n/a	91.2	n/a	0.991

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.1%

COMMENTS:

Sample Filter Changed

SO2[ppb] Station: PRAMP 842-B Daily: 2025-01-08 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	08-Jan-2025	PREVIOUS CALIBRATION DATE:	18-Dec-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.996
CLIENT:	PRAMP	TEMPERATURE (°C):	21.5
LOCATION:	842b	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	13:53
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	18:17

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100	ppb
SERIAL #	1200736630	FLOW (mL/min)	380	
INITIAL		FINAL		
BKG/OFFSET	16	BKG/OFFSET	16.2	
COEF/SLOPE	0.949	COEF/SLOPE	0.963	
Expected (reference) Value	49.0	Expected (reference) Value	49.86	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000		4000	0.00	-0.23	0		
3968	30.90	3999	77.96	75.94	78.17	1.024	0.997
3984	15.10	3999	38.10	n/a	38.13	n/a	0.999
3993	7.50	4000	18.92	n/a	19.37	n/a	0.977

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.001	0.1%

COMMENTS:

Sample Filter Changed
TRS Converter CDNOVA CDN #552


TRS[ppb] Station: PRAMP 842-B Daily: 2025-01-08 Type: AVG 1 Min. [1 Min.]
TRS [ppb]
80
70
60
50
40
30
20
10
0
-10
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
TRS [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	08-Jan-2025	PREVIOUS CALIBRATION DATE:	18-Dec-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	21.5
LOCATION:	842b	BAROMETRIC (mBar):	944
PURPOSE	Routine	START TIME (MST):	13:53
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	19:21

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12208316589	1079
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.000	0.997	0.999

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	400		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.78	10.79	20.57		9.82	10.79	20.61

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3501		3501	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.50	13.54	28.04	14.57	13.54	28.12	1.004	0.992	0.998	0.999	0.992	0.995
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.28	6.76	14.03	n/a	n/a	n/a	1.000	0.993	0.997
3488	14.20	3502	3.64	3.36	6.99	n/a	n/a	n/a	3.66	3.42	7.08	n/a	n/a	n/a	0.994	0.981	0.988

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.000	0.0%
NMHC	1.000	1.007	0.1%
THC	1.000	1.004	0.0%

Comments:

Sample filter changed
H2 Dessicant renewed
16:55- Regulator flushed to check response

Station: PRAMP 842-B Daily: 2025-01-08 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	January 8, 2025		
Technician:	Kevin Sebastian		
Station:	PRAMP 842b		
Unit:	**Make:**	**Model:**	**Serial #:**
Precipitation Sampler:	RM Young	52202	TB 15878
Temperature Sensor:	Rotronic	HC2A-S3	24010202
Barometric Pressure Sensor:	MetOne	92	Y23362
Relative Humidity Sensor:	Rotronic	HC2A-S3	24010202
Anemometer:	RM Young	05305AQ	174802

PRECIPITATION SENSOR CHECK

Checklist:	**Reply:**	**Comments:**
Previous check date:	November 5, 2024	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	test time-16:42-16:45
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tips are heard. (10 tips = 1 mm)

# of Tips	**Data Logger Response (mm):**	**Manual Specification = +/- 0.1 mm**
10	1.0	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	December 18, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 24, 2025
Reference Temperature (^{o}C):	-1.1
Station - Ambient Temperature (^{o}C):	-1.2
Temperature Difference (^{o}C):	0.1

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	December 18, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 24,2025	
Reference Pressure - Units/Reading:	millibar	947.2
Station Pressure - Units/Reading:	millibar	947.8
Pressure Tolerance +/- 15% of error:	805 - 1089	-0.06%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	December 18, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 24, 2025	
Reference Hygrometer % RH- Reading:	69.30	
Station Hygrometer % RH- Reading:	71.60	
RH Tolerance +/- 15% of difference:	58.91 - 79.70	-3.3%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Wind Speed Observed (kph):	5~10	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	7.6	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	842b	**Reviewed By:**	Limin Li
Audit Date:	August 22, 2024	**Start/End Time (mst):**	14:11 - 15:14
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly sunny

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174802	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 3, 2023	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	1	354	1.0	1.0	1.0
30	330	28	333	2.0	-3.0	2.5
60	300	57	305	3.0	-5.0	4.0
90	270	86	275	4.0	-5.0	4.5
120	240	115	244	5.0	-4.0	4.5
150	210	145	209	5.0	1.0	3.0
180	180	177	178	3.0	2.0	2.5
210	150	208	147	2.0	3.0	2.5
240	120	242	116	-2.0	4.0	3.0
270	90	275	86	-5.0	4.0	4.5
300	60	304	57	-4.0	3.0	3.5
330	30	332	28	-2.0	2.0	2.0
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.				**Average Absolute Degrees Difference=**		**3.0**

Comments:

Declination = 15 deg East
Horizontal bearings replaced
Potentiometer noisy. Replacement required.

END OF REPORT

Peace River Area Monitoring Program

JANUARY 2025

Ambient Air Monitoring Calibration Report

- 986-C STATION-

CAL-PRAMP-202501-01562

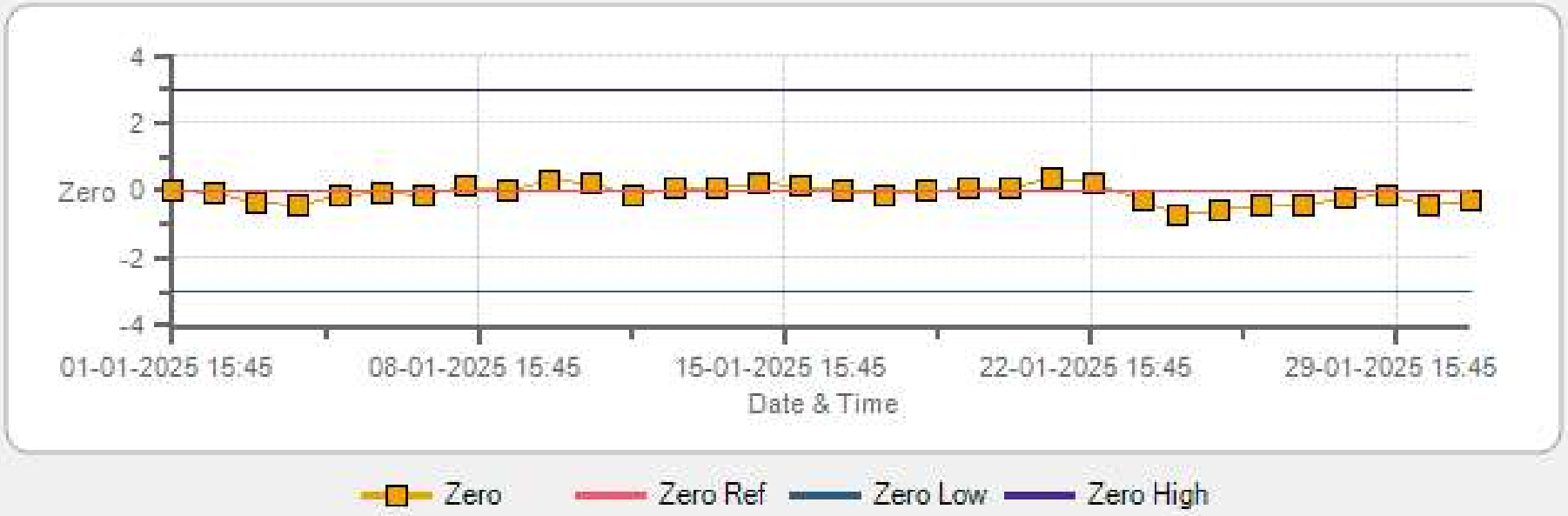
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

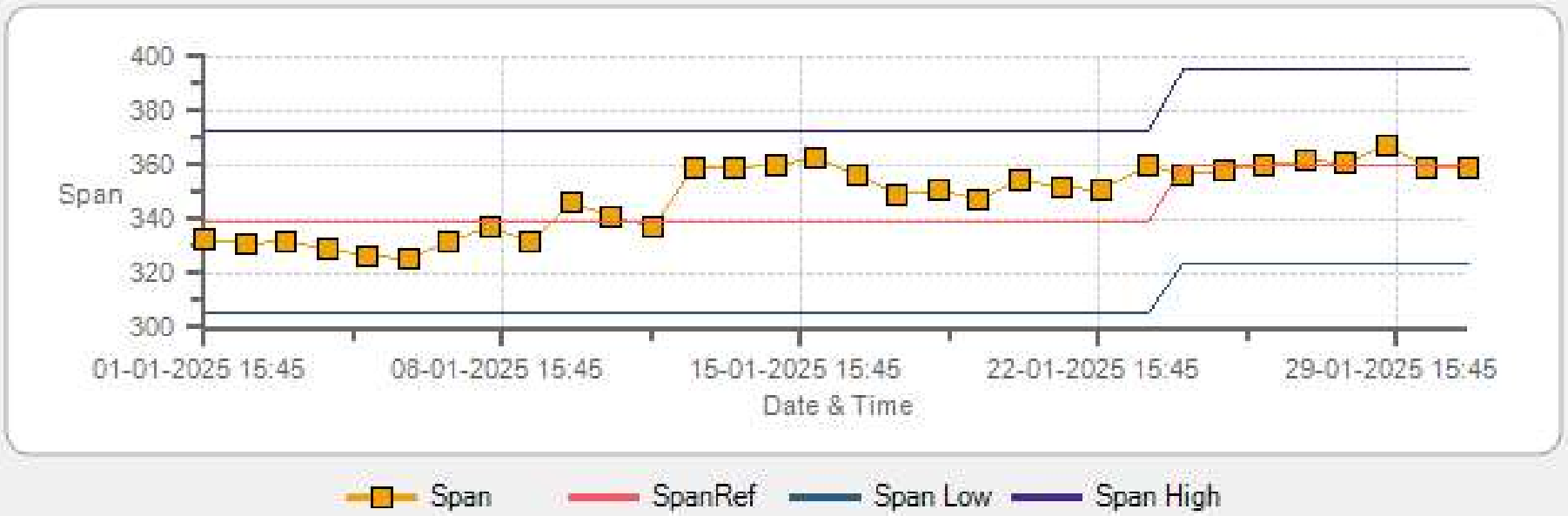
February 14, 2025

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

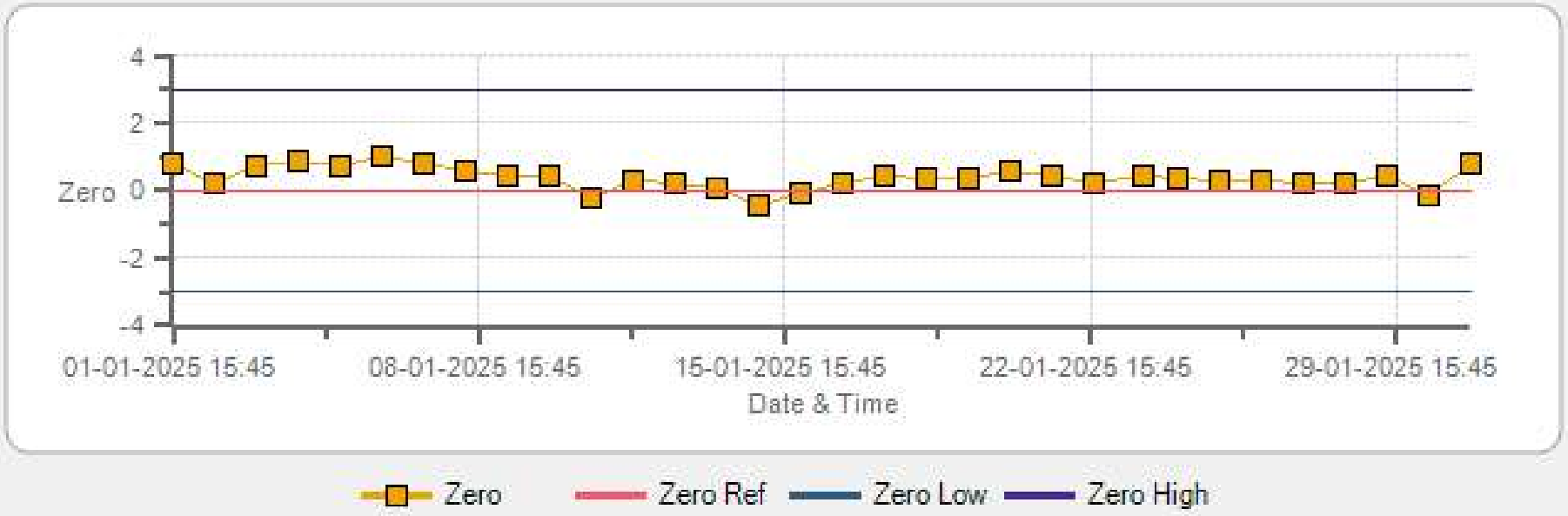
SO2[ppb] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Zero



SO2[ppb] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Span



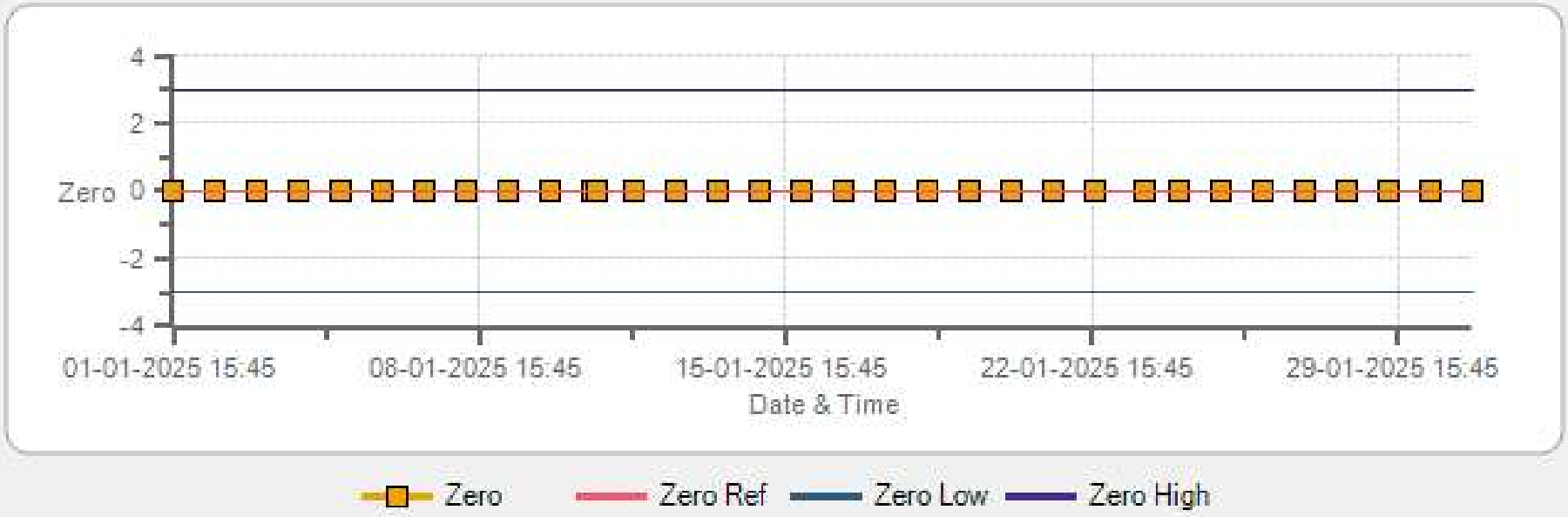
TRS[ppb] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Zero



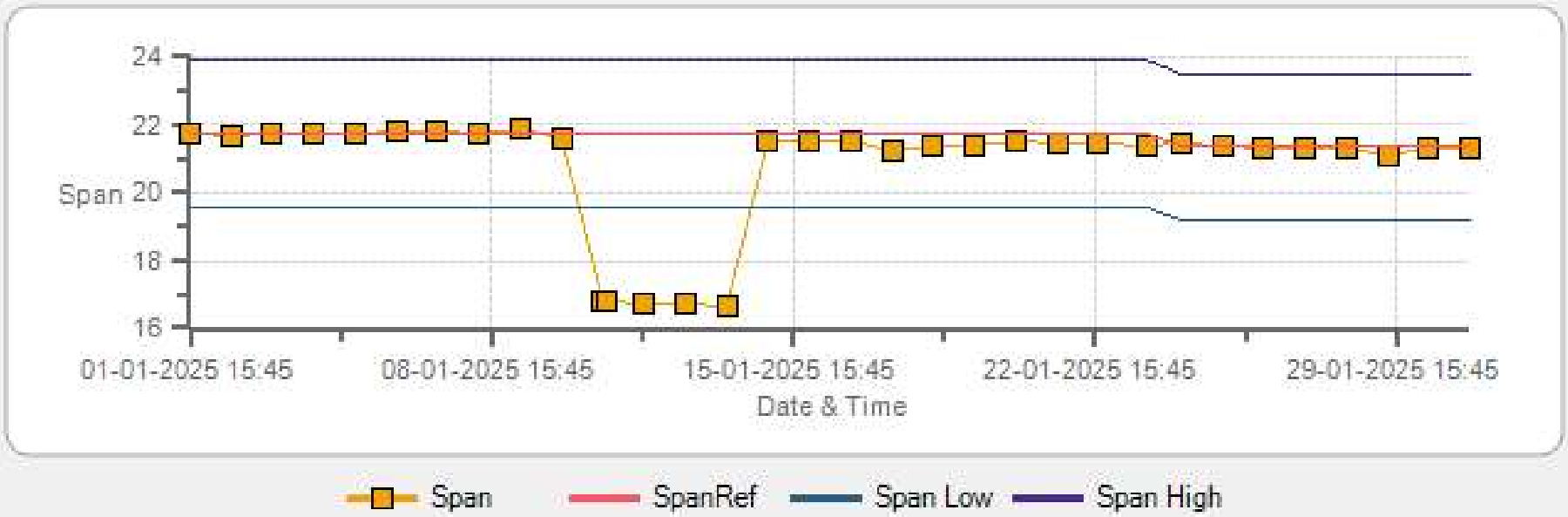
TRS[ppb] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Span



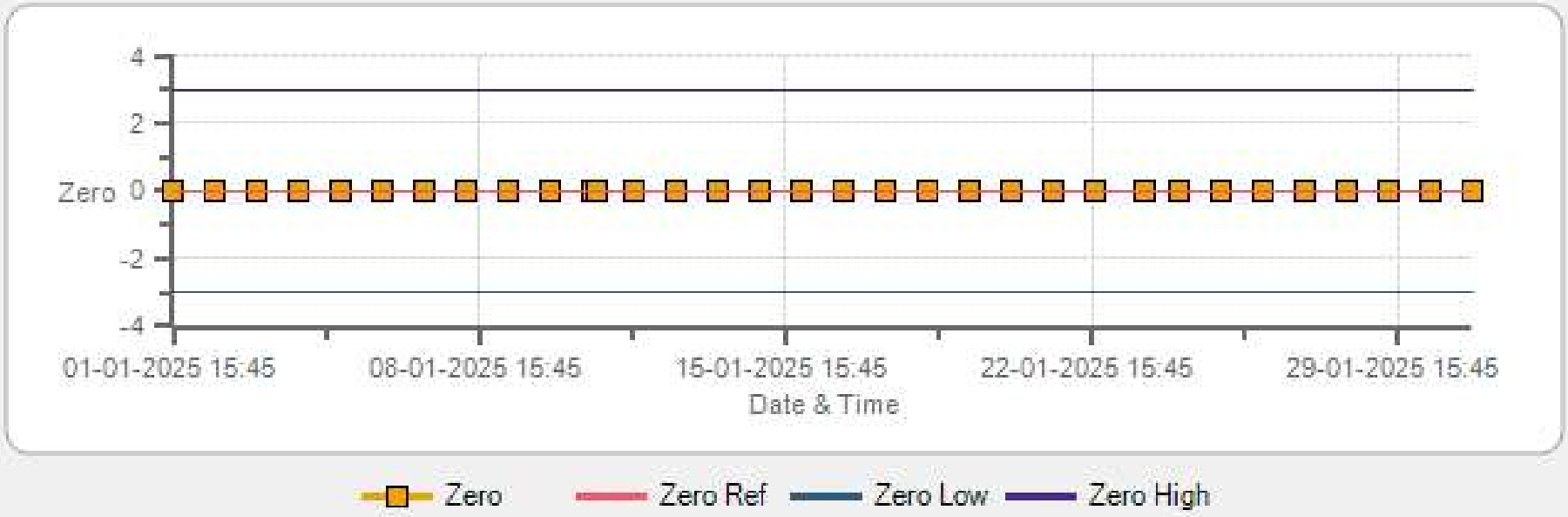
THC55[ppm] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Zero



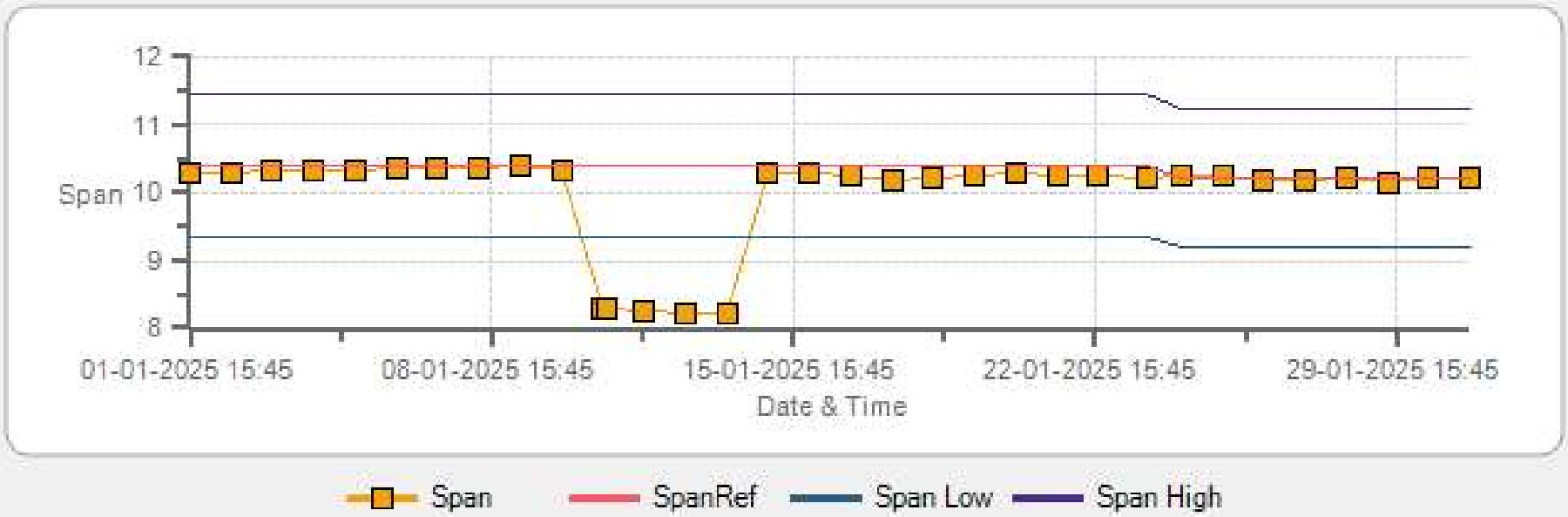
THC55[ppm] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Span



CH4[ppm] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Zero



CH4[ppm] Calibration: PRAMP 986-C Monthly: 01-2025 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	12-Dec-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	22.8
LOCATION:	986C	BAROMETRIC (mBar):	941
PURPOSE	Routine	START TIME (MST):	15:51
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	20:19

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500	ppb
SERIAL #	1193585646	FLOW (mL/min)	439	
INITIAL		FINAL		
BKG/OFFSET	20.9	BKG/OFFSET	21.3	
COEF/SLOPE	1.034	COEF/SLOPE	1.041	
Expected (reference) Value	338.9	Expected (reference) Value	359.9	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.1	0		
3939	60.60	4000	380.27	377.6	380.5	1.007	0.999
3972	28.70	4001	180.05	n/a	182.4	n/a	0.987
3992	14.40	4006	90.22	n/a	91.3	n/a	0.988

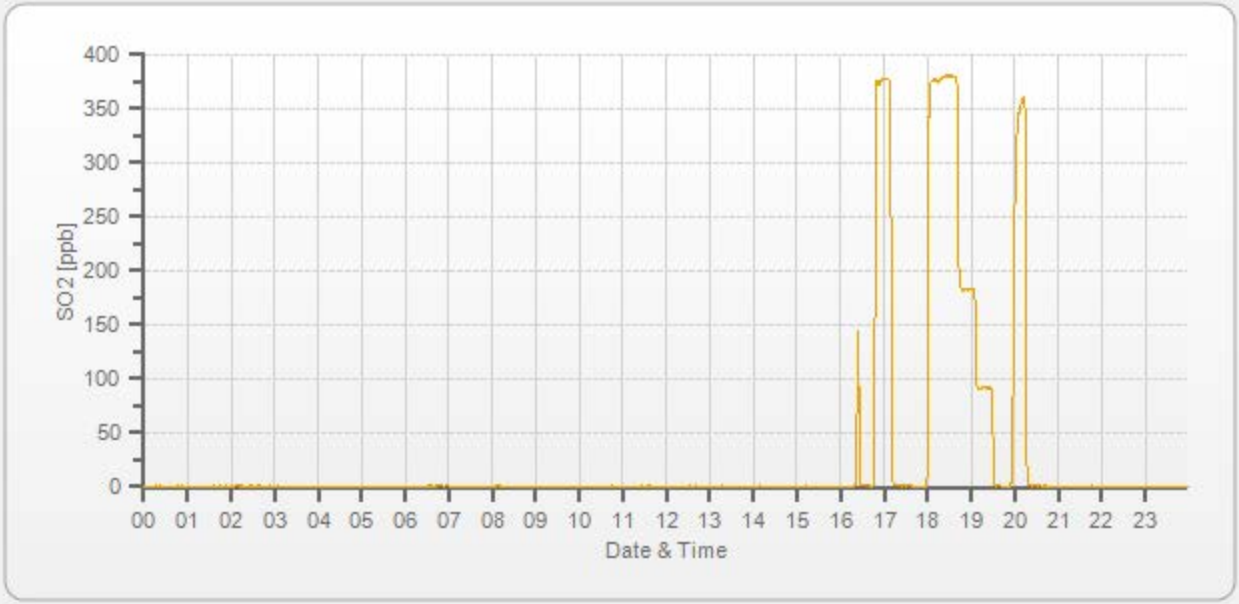
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.2%

COMMENTS:

Sample Filter Changed
16:20-IZS Triggered and cancelled

SO2[ppb] Station: PRAMP 986-C Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	12-Dec-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	1.001
CLIENT:	PRAMP	TEMPERATURE (°C):	22.8
LOCATION:	986C	BAROMETRIC (mBar):	941
PURPOSE	Routine	START TIME (MST):	15:51
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	20:19

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100	ppb
SERIAL #	1191833341	FLOW (mL/min)	425	
INITIAL		FINAL		
BKG/OFFSET	19.8	BKG/OFFSET	19.5	
COEF/SLOPE	1.082	COEF/SLOPE	1.077	
Expected (reference) Value	56.96	Expected (reference) Value	58.04	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3999		3999	0.00	0.25	0		
3969	30.90	4000	77.95	78.02	77.67	1.002	1.004
3986	15.10	4001	38.08	n/a	38.73	n/a	0.983
3992	7.50	3999	18.92	n/a	19.65	n/a	0.963

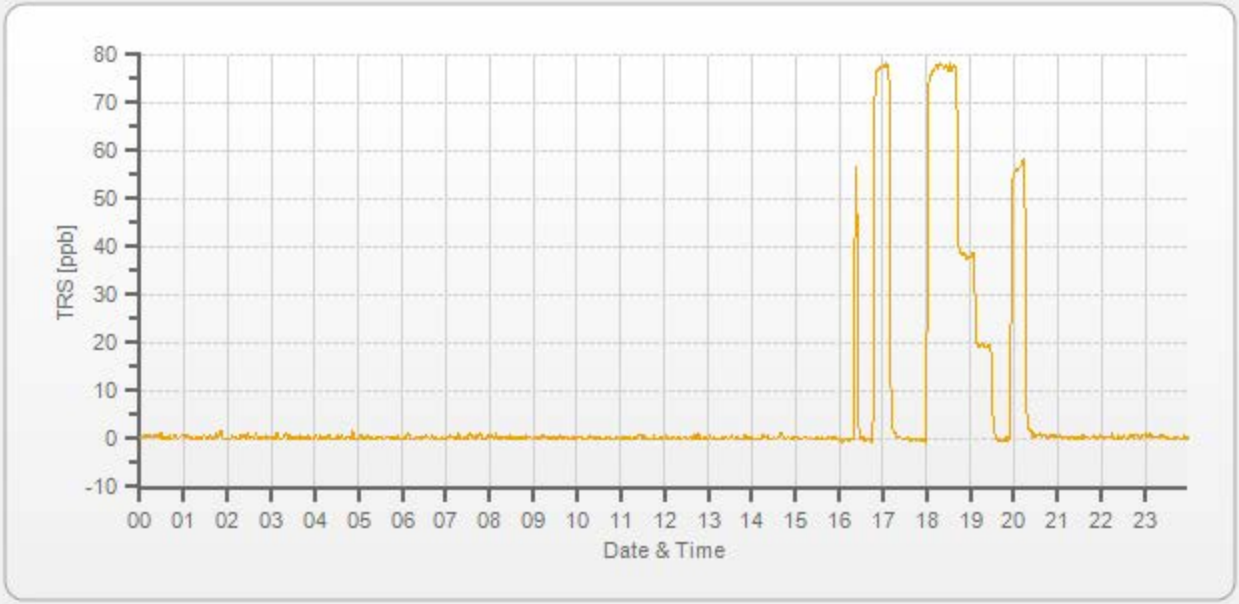
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.994	0.5%

COMMENTS:

Sample Filter Changed
TRS Converter CDNOVA CDN101 #530
16:20-IZS Triggered and cancelled

TRS[ppb] Station: PRAMP 986-C Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	29-Dec-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.8
LOCATION:	986C	BAROMETRIC (mBar):	941
PURPOSE	Routine	START TIME (MST):	15:51
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	20:11

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1191032505	1151
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.000	1.002	1.001

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	400		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	n/a

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.40	11.36	21.76		10.22	11.14	21.36

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3500		3500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.82	13.73	28.55	14.56	13.44	28.00	0.982	0.978	0.980	1.000	0.999	1.000
3473	28.40	3501	7.28	6.71	13.99	n/a	n/a	n/a	7.27	6.63	13.90	n/a	n/a	n/a	1.001	1.013	1.007
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.65	3.36	7.00	n/a	n/a	n/a	0.997	0.999	0.999

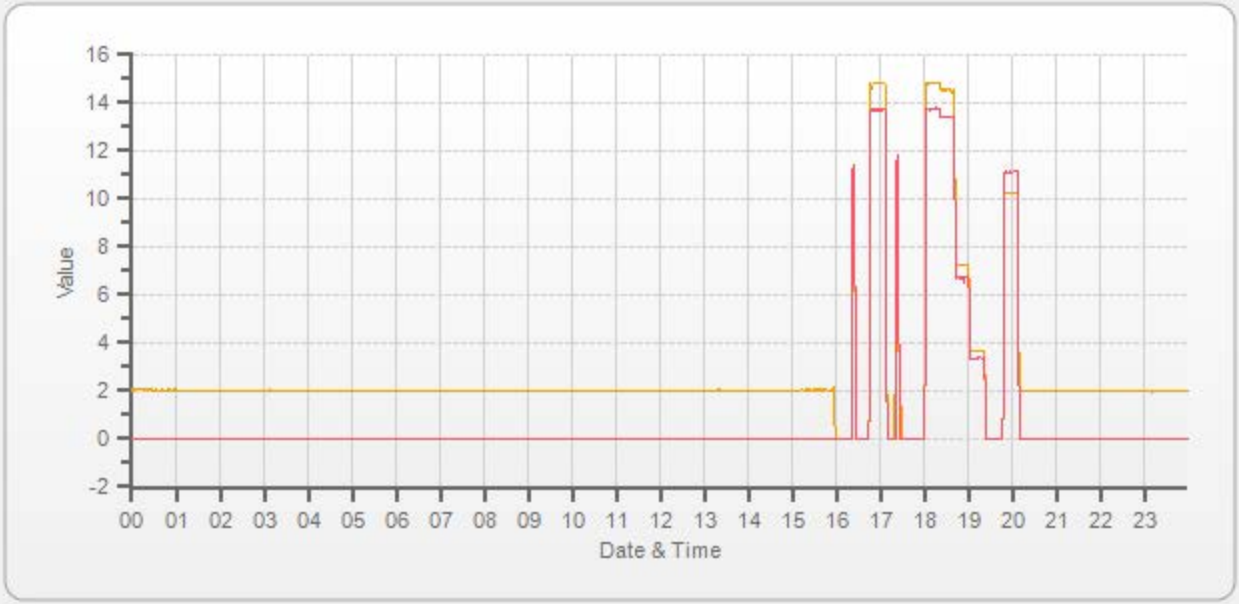
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.000	0.0%
NMHC	1.000	1.000	-0.1%
THC	1.000	1.000	0.0%

Comments:

Sample Filter Changed
16:20- IZS Triggered and cancelled

Station: PRAMP 986-C Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	January 23, 2025
Technician:	Kevin Sebastian
Station:	PRAMP 986c

Unit:	Make:	Model:	Serial #:
Precipitation Sampler:	RM Young	52202	TB 16325
Temperature Sensor:	Rotronic	HC2-32	20626912
Barometric Pressure Sensor:	MetOne	092	Y23358
Relative Humidity Sensor:	Rotronic	HC2-S3	20626912
Anemometer:	RM Young	05305AQ	180340

PRECIPITATION SENSOR CHECK

Checklist:	Reply:	Comments:
Previous check date:	December 12, 2024	Tested:16:06-16:10
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tips are heard. (10 tips = 1 mm)

# of Tips	Data Logger Response (mm):	Manual Specification = +/- 0.1 mm
10	1.0	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	December 12, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 24, 2025
Reference Temperature (^{o}C):	0.6
Station - Ambient Temperature (^{o}C):	0.4
Temperature Difference (^{o}C):	0.2

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	December 12, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 24,2025	
Reference Pressure - Units/Reading:	millibar	943.1
Station Pressure - Units/Reading:	millibar	942.2
Pressure Tolerance +/- 15% of error:	802 - 1085	0.10%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	December 12, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 24, 2025	
Reference Hygrometer % RH- Reading:	60.10	
Station Hygrometer % RH- Reading:	57.20	
RH Tolerance +/- 15% of difference:	51.09 - 69.12	4.8%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	December 12, 2024	Previous check date:	December 12, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	S
Wind speed on Data Logger (kph):	12.4	Wind Direction on Data Logger:	S
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	986C	**Reviewed By:**	Limin Li
Audit Date:	August 22, 2024	**Start/End Time (mst):**	17:37 / 18:34
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly sunny

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	180340	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 3, 2023	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	2	354	2.0	1.0	1.5
30	330	30	329	0.0	1.0	0.5
60	300	58	302	2.0	-2.0	2.0
90	270	87	270	3.0	0.0	1.5
120	240	118	238	2.0	2.0	2.0
150	210	146	206	4.0	4.0	4.0
180	180	175	176	5.0	4.0	4.5
210	150	206	146	4.0	4.0	4.0
240	120	238	118	2.0	2.0	2.0
270	90	271	88	-1.0	2.0	1.5
300	60	302	58	-2.0	2.0	2.0
330	30	331	32	-1.0	-2.0	1.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.2**

Comments:

Declination = 15 deg East
Physical inspection completed, no issues
Potentiometer noisy, replacment needed

END OF REPORT

Peace River Area Monitoring Program

JANUARY 2025

Ambient Air Monitoring Calibration Report

- RENO-B STATION-

CAL-PRAMP-202501-01563

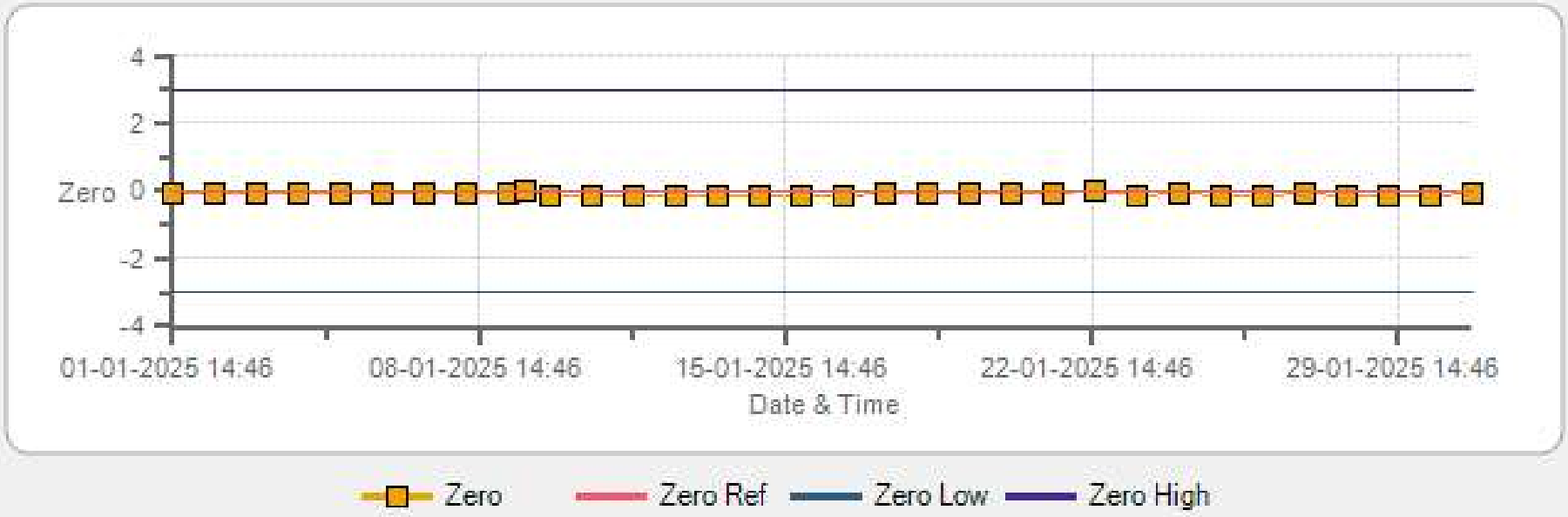
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

February 14, 2025

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

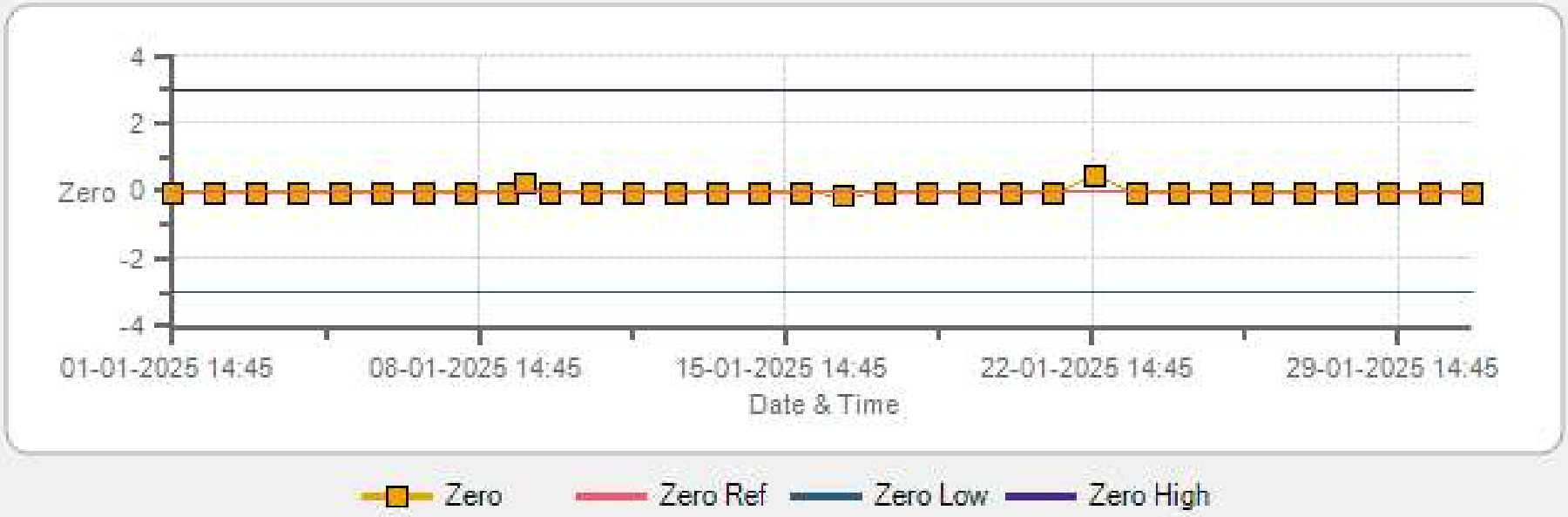
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Zero



SO2[ppb] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Span



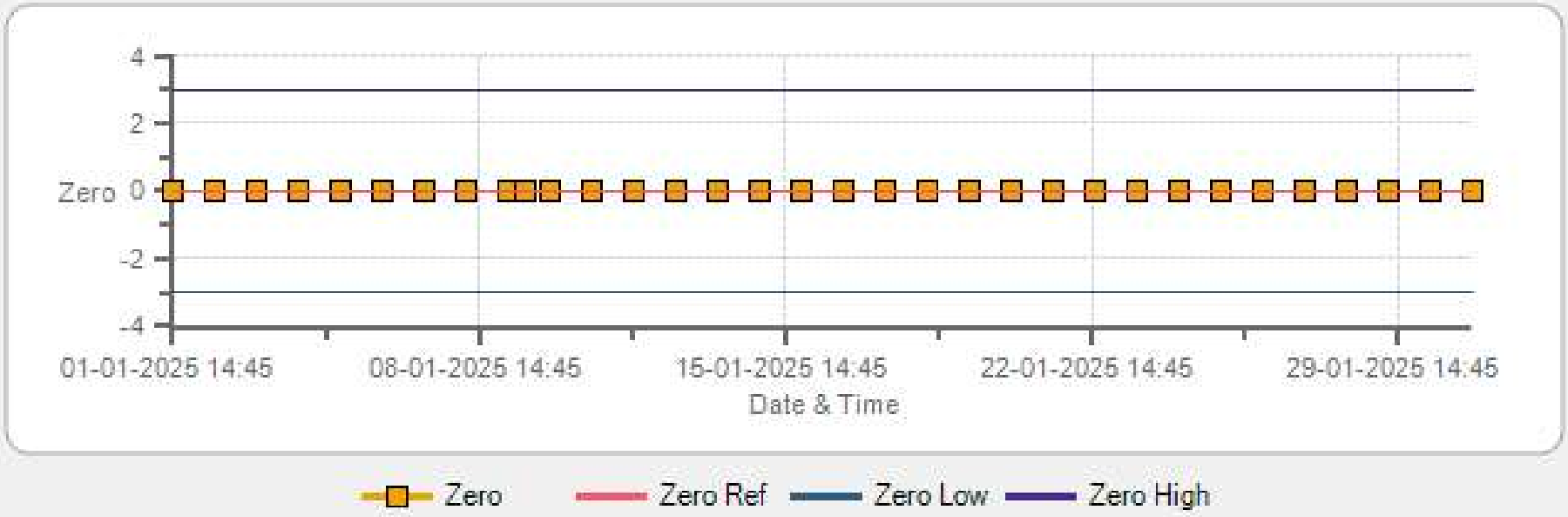
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Zero



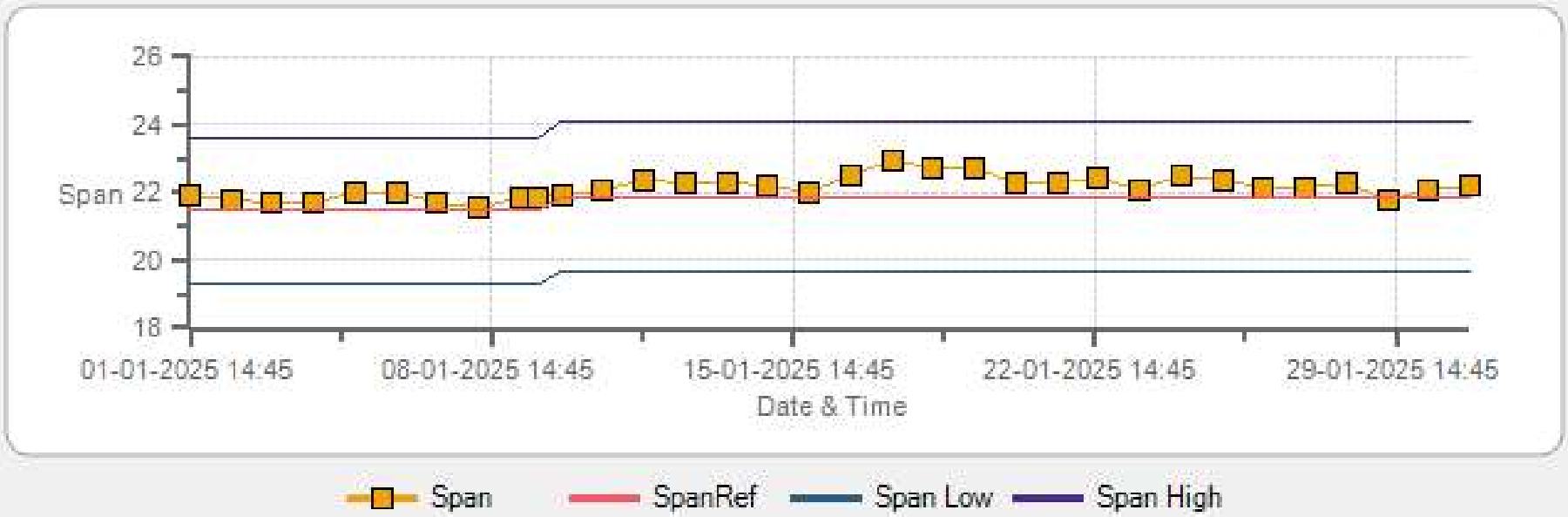
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Span



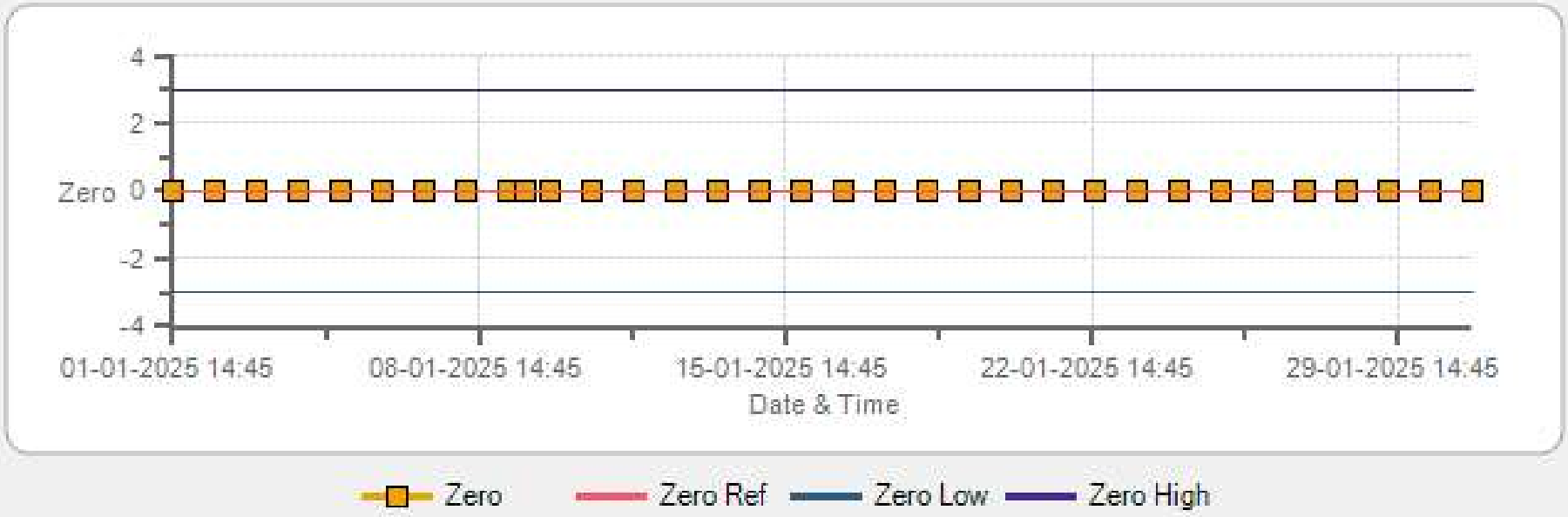
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Zero



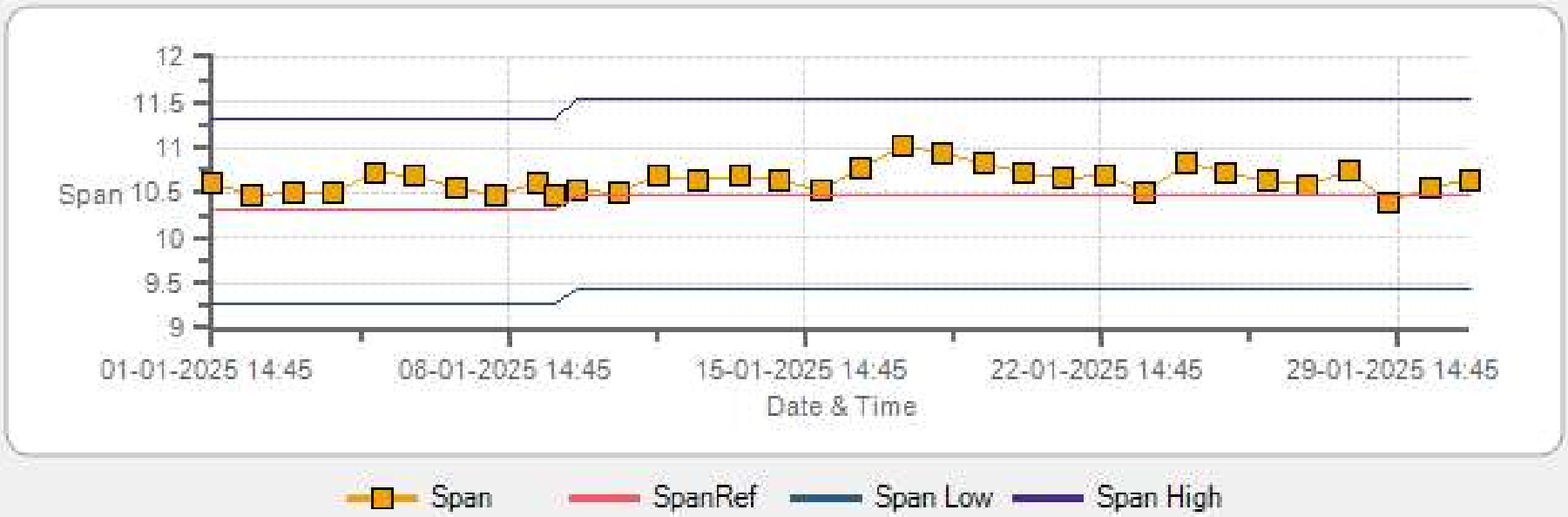
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Span



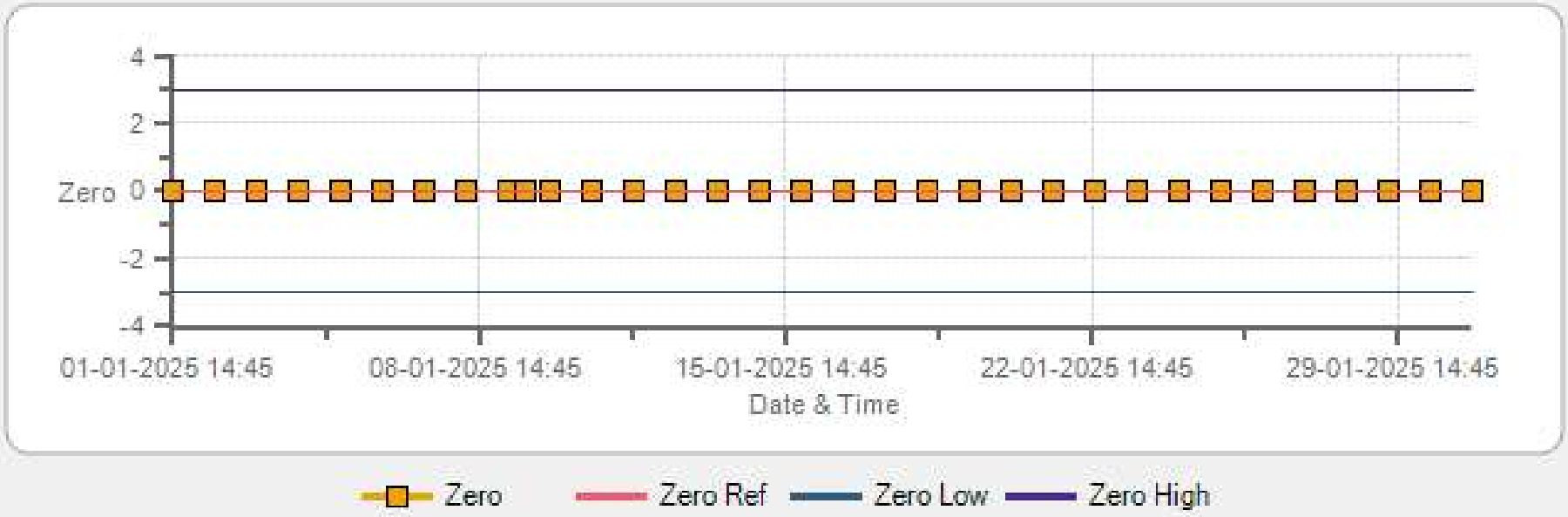
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Zero



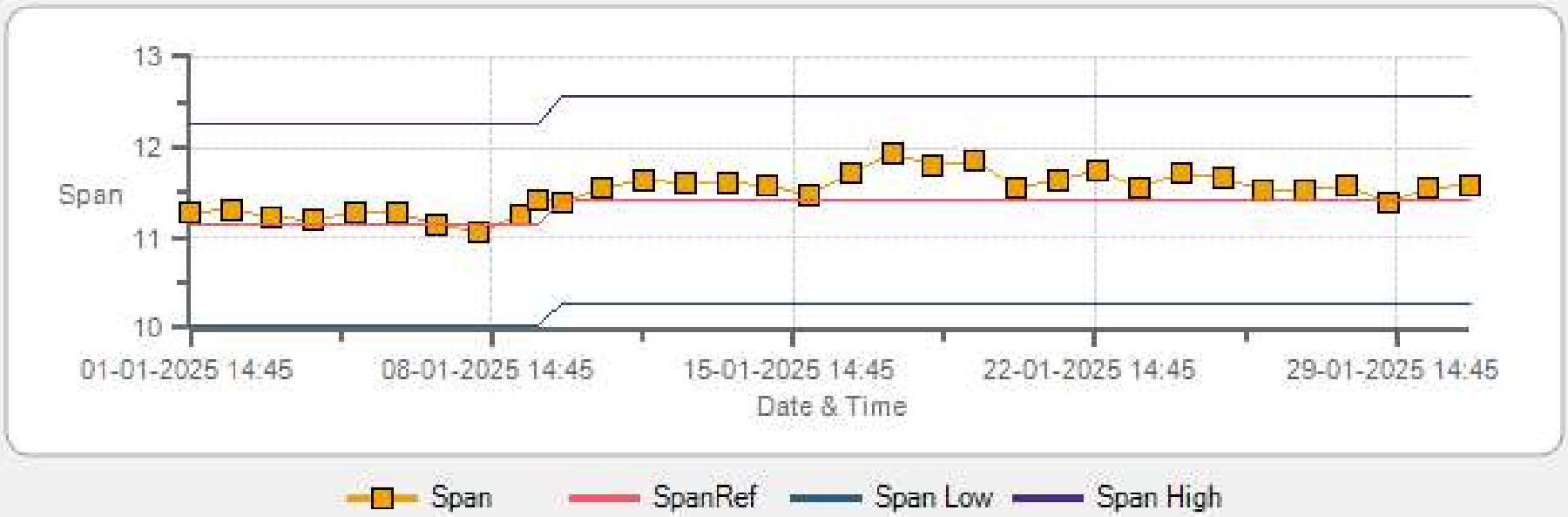
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 01-2025 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	09-Jan-2025	PREVIOUS CALIBRATION DATE:	13-Dec-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.000
CLIENT:	PRAMP	TEMPERATURE (°C):	21.5
LOCATION:	Reno-B	BAROMETRIC (mBar):	949
PURPOSE	Routine	START TIME (MST):	11:11
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:38

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	500	ppb
SERIAL #	12101910505	FLOW (mL/min)	441	
INITIAL		FINAL		
BKG/OFFSET	1.38	BKG/OFFSET	1.37	
COEF/SLOPE	0.898	COEF/SLOPE	0.901	
Expected (reference) Value	213.4	Expected (reference) Value	210.9	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	0	0		
3939	60.60	4000	380.27	375	382.7	1.014	0.994
3971	28.70	4000	180.09	n/a	182.8	n/a	0.985
3985	14.40	3999	90.38	n/a	91.3	n/a	0.990

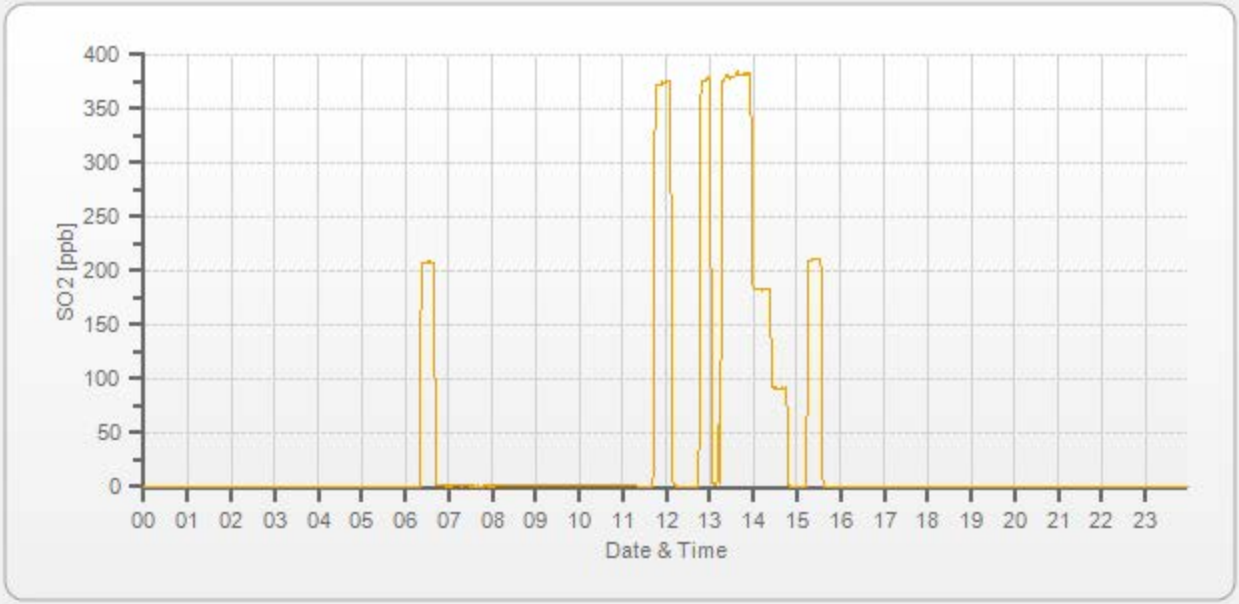
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.006	0.1%

COMMENTS:

Sample filter changed
13:02-13:14 = Operator error. Adjusted high restarted

SO2[ppb] Station: PRAMP RENO-B Daily: 2025-01-09 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	09-Jan-2025	PREVIOUS CALIBRATION DATE:	13-Dec-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.998
CLIENT:	PRAMP	TEMPERATURE (°C):	21.5
LOCATION:	Reno-B	BAROMETRIC (mBar):	949
PURPOSE	Routine	START TIME (MST):	11:11
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:38

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100	ppb
SERIAL #	12101910504	FLOW (mL/min)	387	
INITIAL		FINAL		
BKG/OFFSET	1.21	BKG/OFFSET	1.2	
COEF/SLOPE	0.936	COEF/SLOPE	0.94	
Expected (reference) Value	38.29	Expected (reference) Value	37.20	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
3998		3998	0.00	-0.1	0		
3969	30.90	4000	77.95	76.32	78.18	1.020	0.997
3985	15.10	4000	38.09	n/a	38.21	n/a	0.997
3992	7.50	3999	18.92	n/a	19.27	n/a	0.982

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.1%

COMMENTS:

Sample filter changed
13:02-13:14 = Operator error. Adjusted high restarted

TRS[ppb] Station: PRAMP RENO-B Daily: 2025-01-09 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	09-Jan-2025	PREVIOUS CALIBRATION DATE:	13-Dec-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	21.5
LOCATION:	Reno-B	BAROMETRIC (mBar):	949
PURPOSE	Routine	START TIME (MST):	11:11
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:51

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1193585652	1031
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.004	0.999	1.001

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	400		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.30	11.15	21.46		10.48	11.41	21.89

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3499		3499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.83	13.40	28.23	14.54	13.50	28.05	0.982	1.002	0.992	1.001	0.995	0.998
3472	28.40	3500	7.28	6.72	14.00	n/a	n/a	n/a	7.28	6.77	14.05	n/a	n/a	n/a	1.000	0.992	0.996
3487	14.20	3501	3.64	3.36	7.00	n/a	n/a	n/a	3.67	3.39	7.06	n/a	n/a	n/a	0.991	0.990	0.991

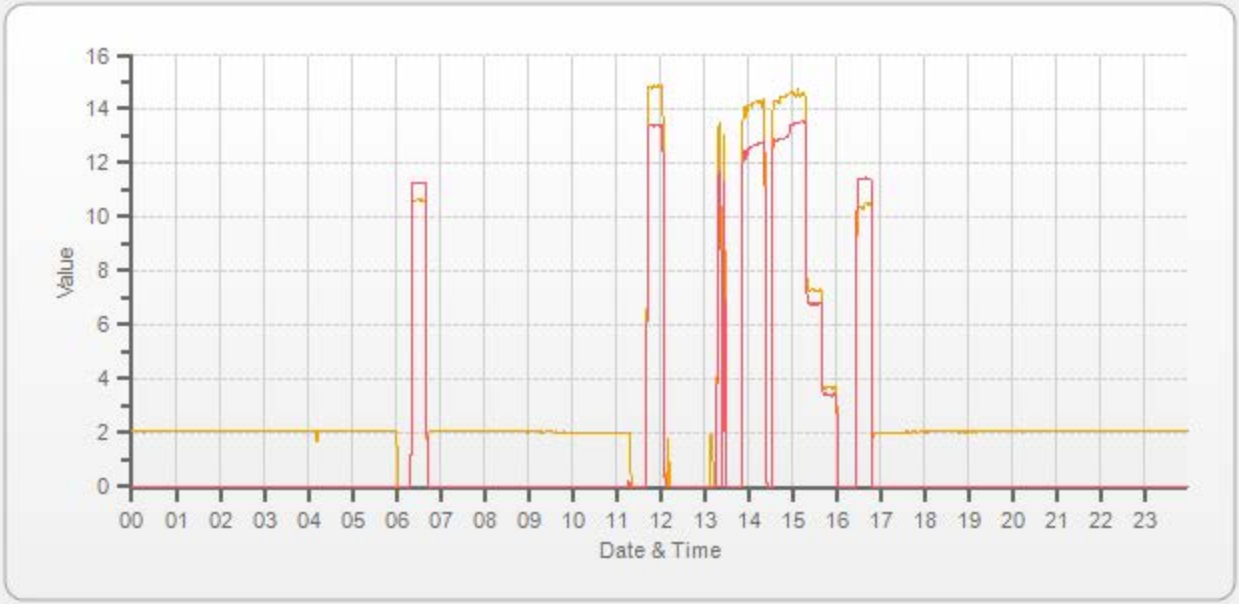
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	0.998	0.1%
NMHC	1.000	1.005	0.1%
THC	1.000	1.002	0.1%

Comments:

Sample filter Changed
H2 Dessicant renewed
13:25- Regulator flushed to check response
14:21-Started AF again to improve stability (new dessicant)

Station: PRAMP RENO-B Daily: 2025-01-09 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	January 9, 2025
Technician:	Kevin Sebastian
Station:	PRAMP Reno-B

Unit:	Make:	Model:	Serial #:
Precipitation Sampler:	RM Young	52202	TB 15877
Temperature Sensor:	Rotronic	HC2-S3	20467597
Barometric Pressure Sensor:	MetOne	92	A17940
Relative Humidity Sensor:	Rotronic	HC2-S3	20467597
Anemometer:	RM Young	05305AQ	174795

PRECIPITATION SENSOR CHECK

Checklist:	Reply:	Comments:
Previous check date:	December 13, 2025	
Is the sensor Level?	yes	
Is the heater operating properly?	yes	
Are the bucket drain holes clean?	yes	Audit:15:23-15:30
Is the screen on the housing? (screen should be on between July and September	no	
Is the housing clean?	yes	
Is the area around the housing clean and free from obstacles?	yes	

TIP TEST - Slowly pour water until 10 tip are heard. (10 tips = 1 ml)

# of Tips	Data Logger Response (ml):	Manual Specification = +/- 0.1 ml
10	1.00	0.00

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	December 13, 2025
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	FS 181341226 expires July 24, 2025
Reference Temperature (^{o}C):	-1.0
Station - Ambient Temperature (^{o}C):	-0.9
Temperature Difference (^{o}C):	-0.1

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	December 13, 2025	
Reference Barometer ID:	Brunton 05535 Expires July 24,2025	
Reference Pressure - Units/Reading:	millibar	944
Station Pressure - Units/Reading:	millibar	944
Pressure Tolerance +/- 15% of error:	802 - 1086	0.00%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	December 13, 2025	
Reference Hygrometer ID:	FS 181341226 expires July 24, 2025	
Reference Hygrometer % RH- Reading:	75.10	
Station Hygrometer % RH- Reading:	77.80	
RH Tolerance +/- 15% of difference:	63.84 - 86.37	-3.6%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:		Previous check date:	
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	17.1	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Reno-B	**Reviewed By:**	Limin Li
Audit Date:	August 23, 2024	**Start/End Time (mst):**	09:46 - 10:48
Calibration Purpose:	routine annual	**Weather Conditions:**	Mainly sunny

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174795	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 1, 2023	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.1	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.5	110.5	1.001
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	1	354	1.0	1.0	1.0
30	330	30	332	0.0	-2.0	1.0
60	300	59	304	1.0	-4.0	2.5
90	270	88	273	2.0	-3.0	2.5
120	240	120	242	0.0	-2.0	1.0
150	210	150	213	0.0	-3.0	1.5
180	180	181	182	-1.0	-2.0	1.5
210	150	209	151	1.0	-1.0	1.0
240	120	240	119	0.0	1.0	0.5
270	90	272	88	-2.0	2.0	2.0
300	60	304	60	-4.0	0.0	2.0
330	30	331	30	-1.0	0.0	0.5
355	0	354	2	1.0	2.0	1.5
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.4**

Comments:

Declination = 15 deg East
Physical inspection completed. Repalced horizontal bearings

END OF REPORT

Peace River Area Monitoring Program

JANUARY 2025

Ambient Air Monitoring Calibration Report

- AQHI - GRIMSHAW STATION-

CAL-PRAMP-202501-01689

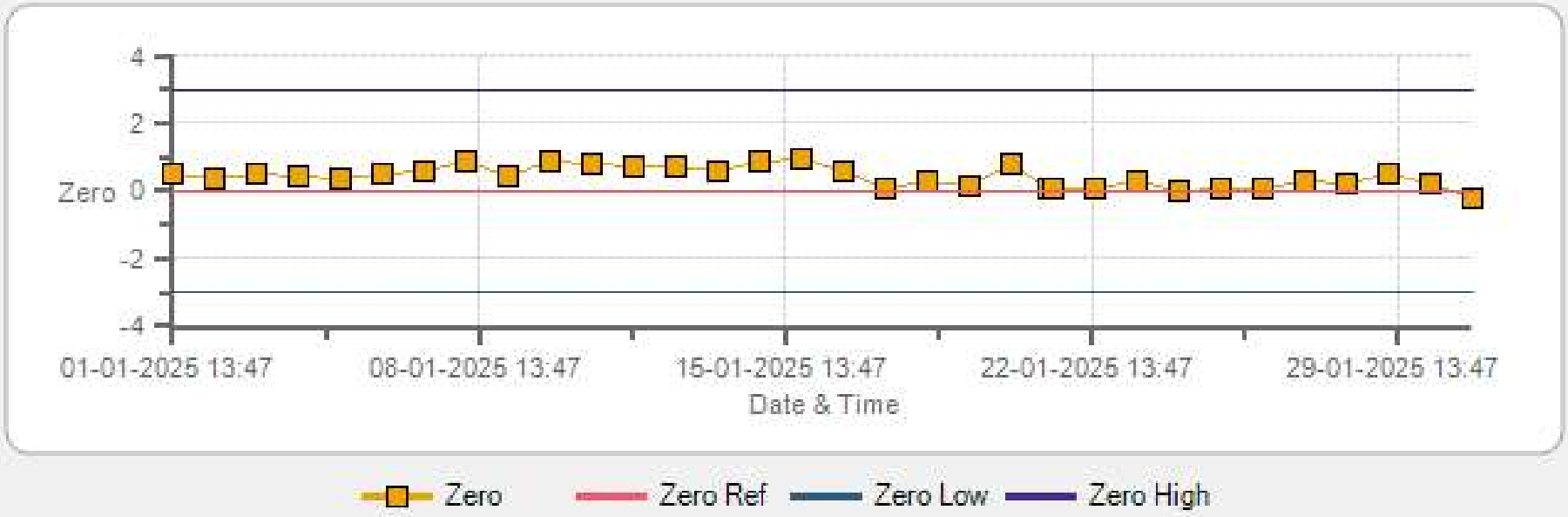
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

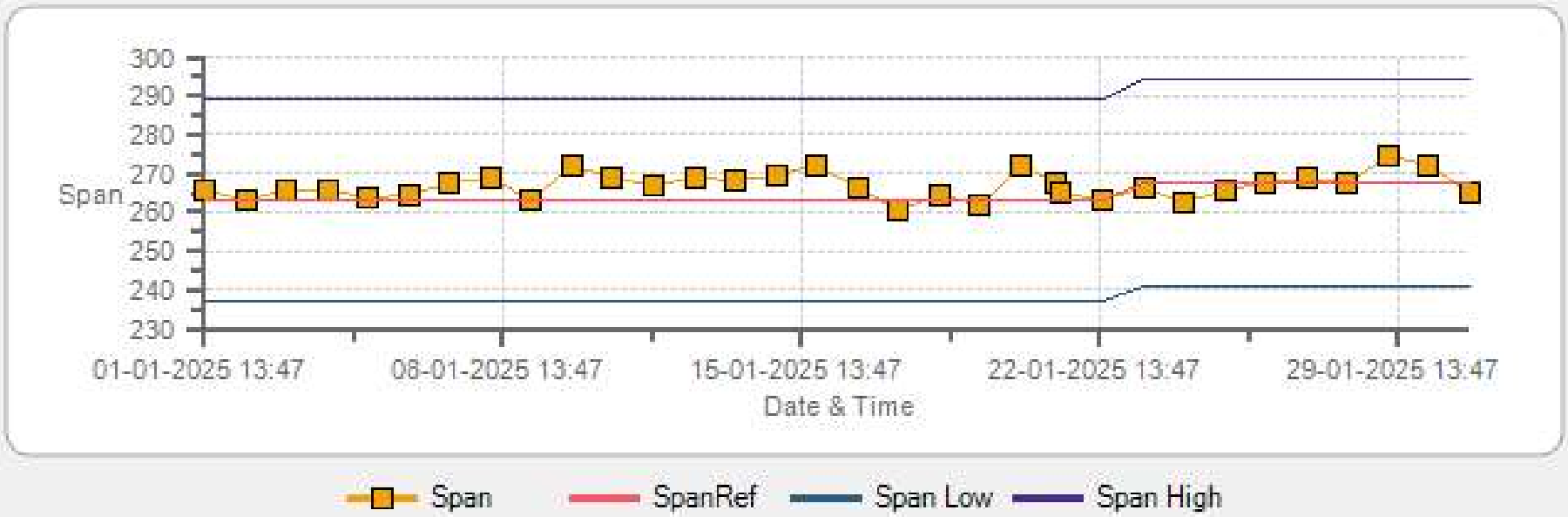
February 14, 2025

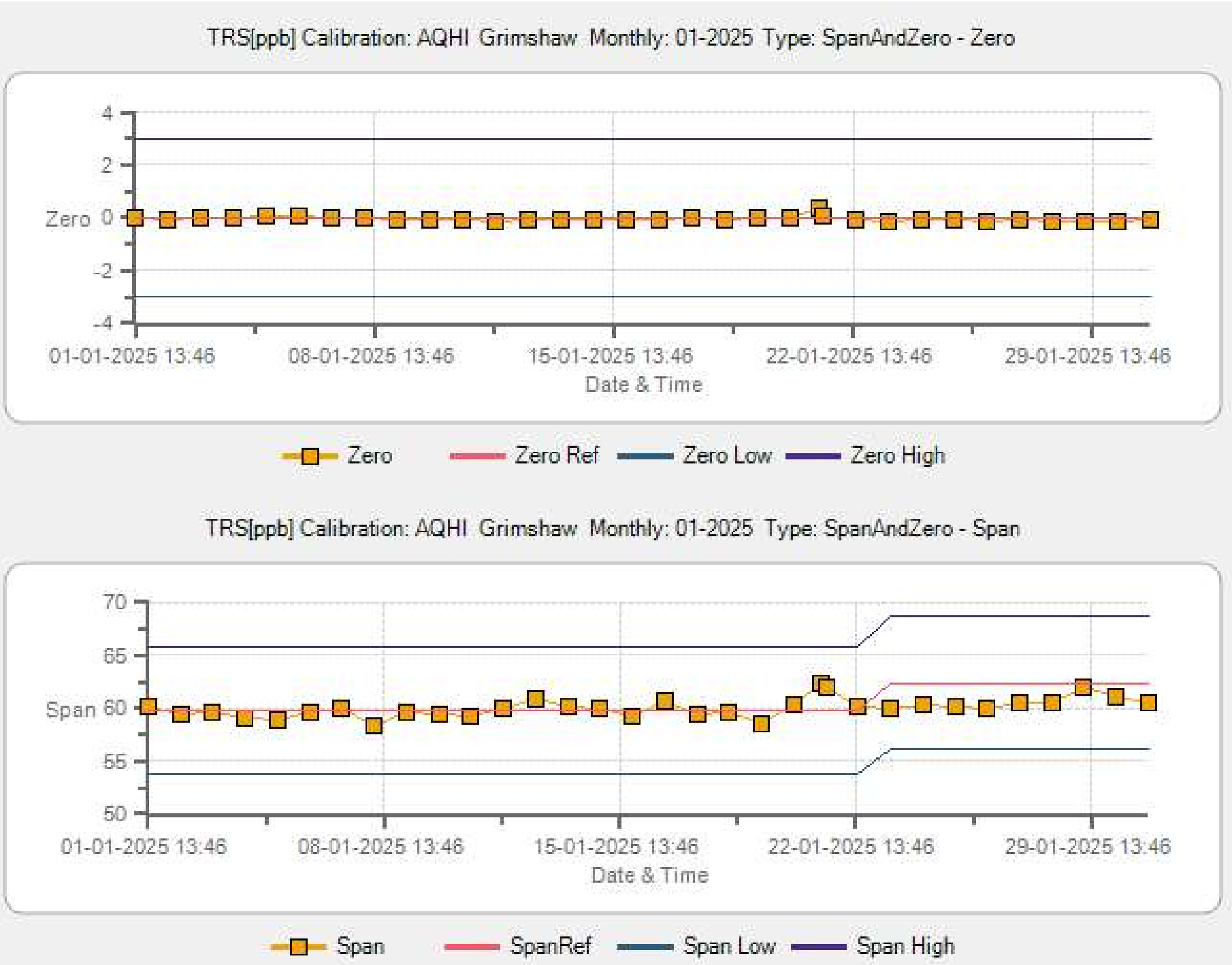
DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

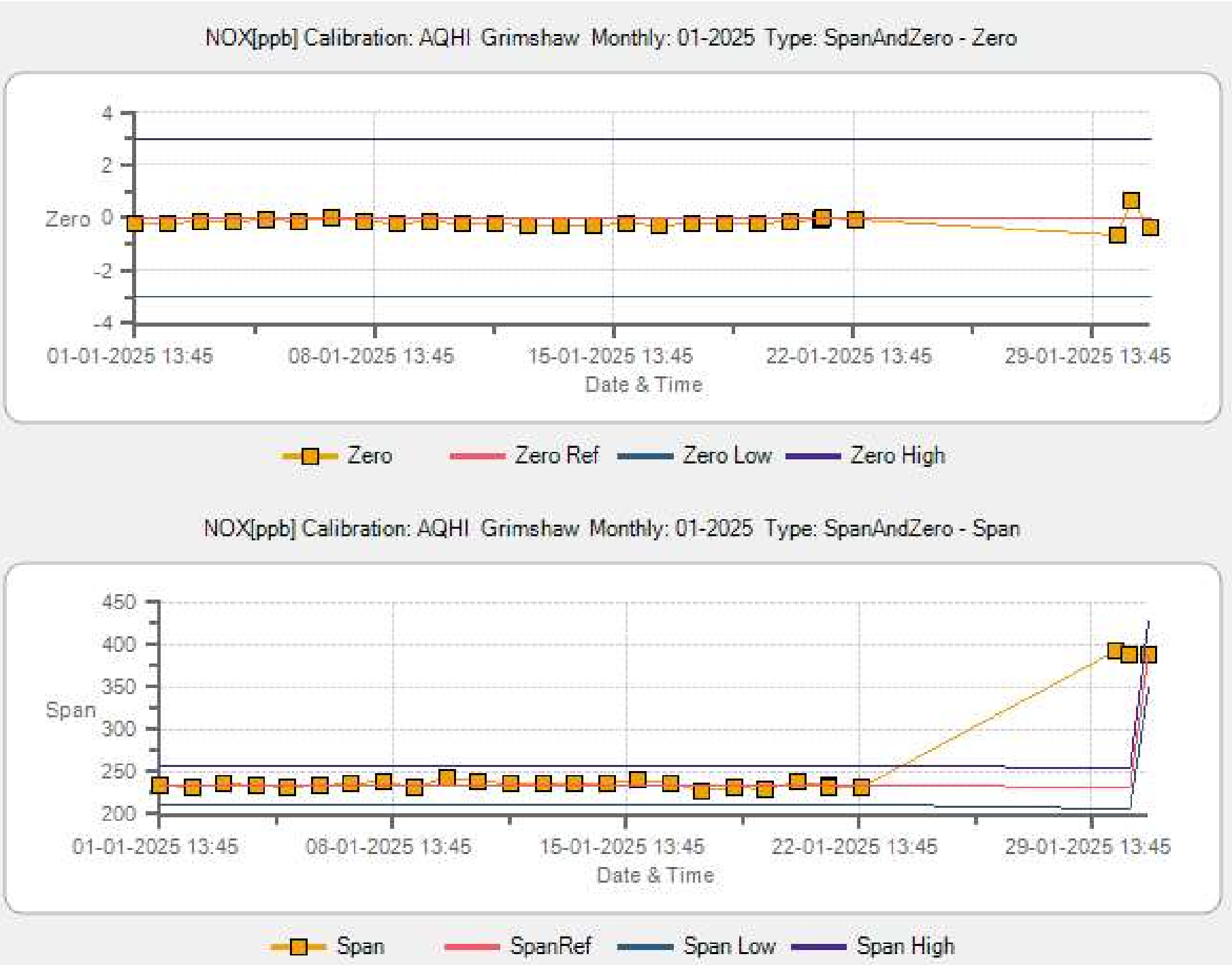
SO2[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero

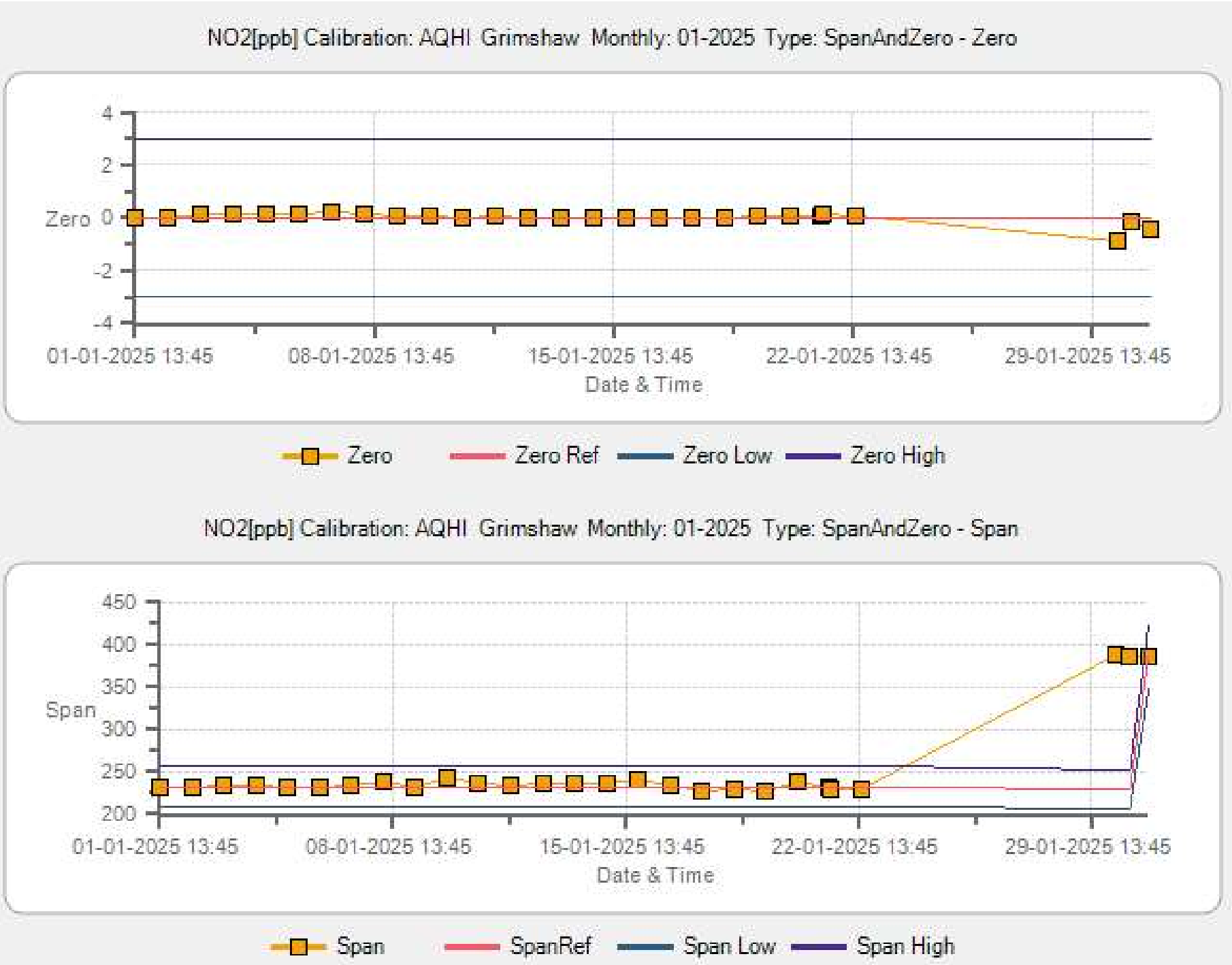


SO2[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span

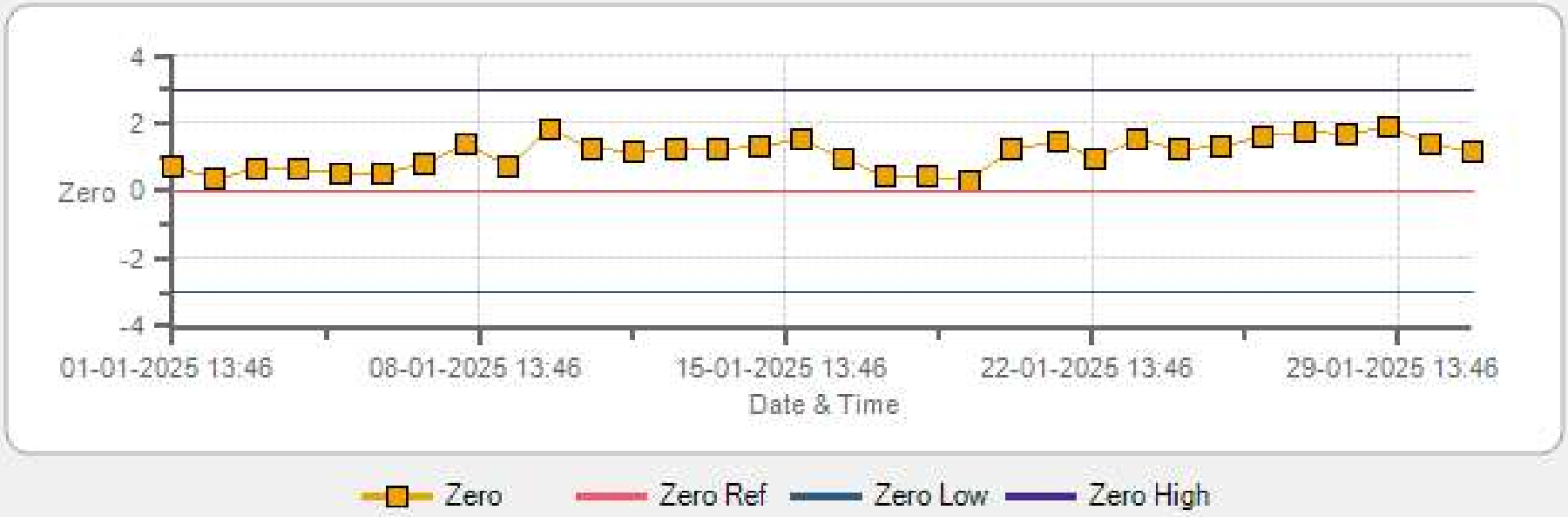



TRS[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 13:46
08-01-2025 13:46
15-01-2025 13:46
22-01-2025 13:46
29-01-2025 13:46
Date & Time
Zero
Zero Ref
Zero Low
Zero High
TRS[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span
70
65
Span 60
55
50
01-01-2025 13:46
08-01-2025 13:46
15-01-2025 13:46
22-01-2025 13:46
29-01-2025 13:46
Date & Time
Span
SpanRef
Span Low
Span High

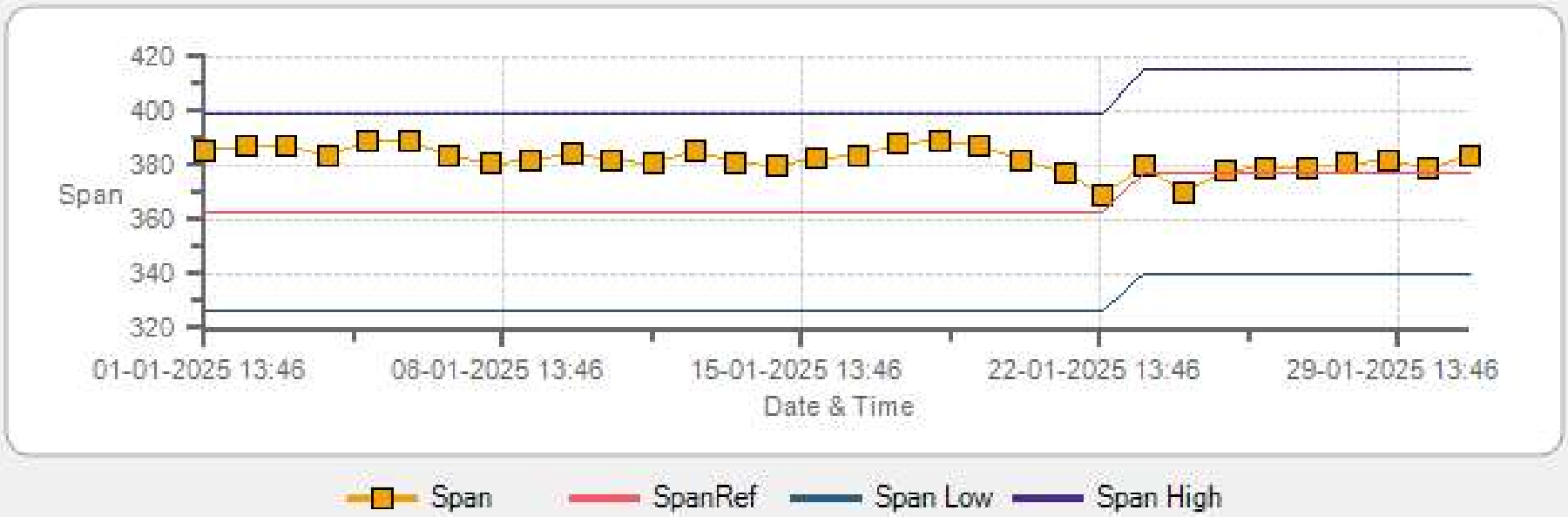

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 13:45
08-01-2025 13:45
15-01-2025 13:45
22-01-2025 13:45
29-01-2025 13:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span
450
400
350
Span
300
250
200
01-01-2025 13:45
08-01-2025 13:45
15-01-2025 13:45
22-01-2025 13:45
29-01-2025 13:45
Date & Time
Span
SpanRef
Span Low
Span High

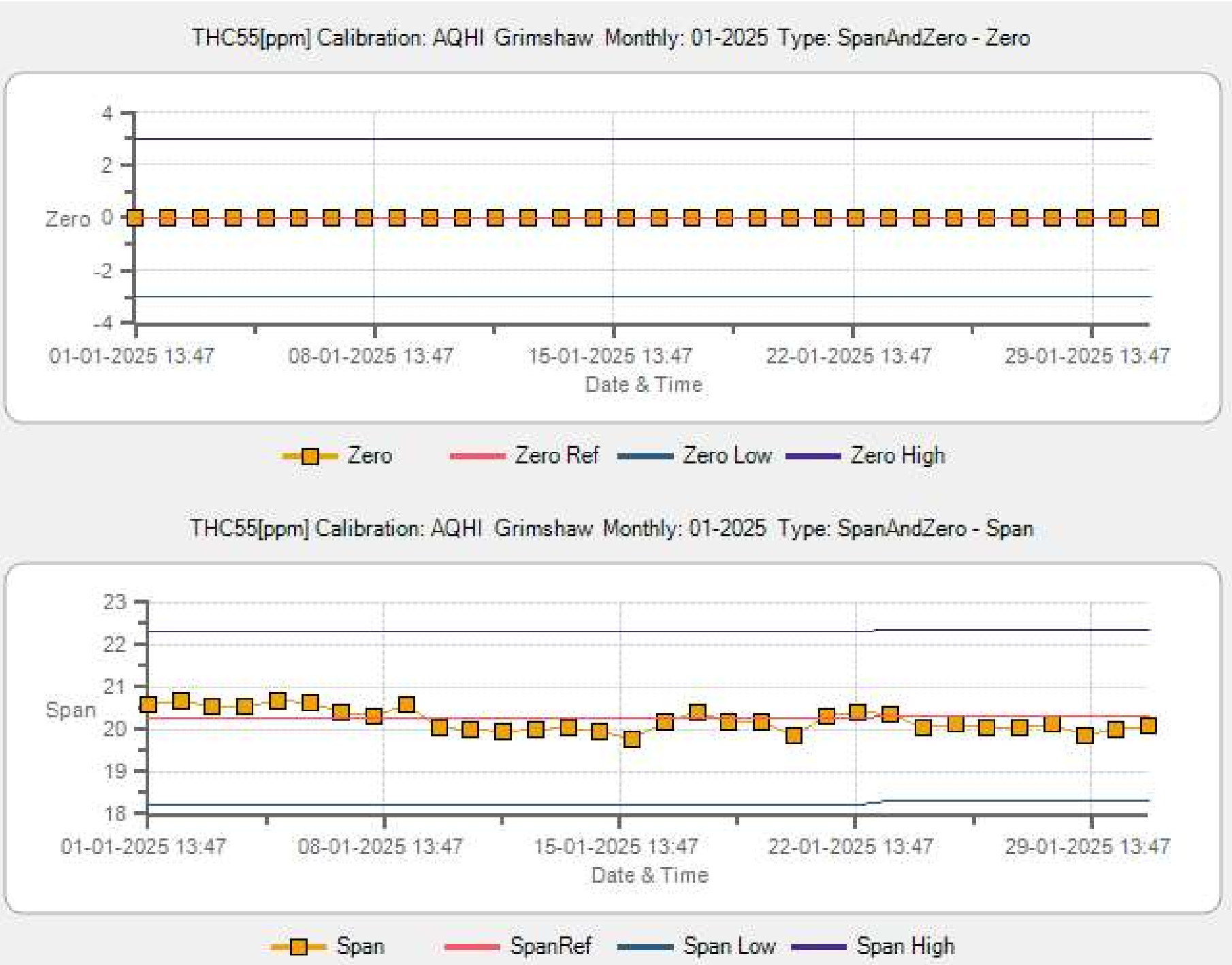

NO2[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 13:45
08-01-2025 13:45
15-01-2025 13:45
22-01-2025 13:45
29-01-2025 13:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NO2[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span
450
400
350
Span
300
250
200
01-01-2025 13:45
08-01-2025 13:45
15-01-2025 13:45
22-01-2025 13:45
29-01-2025 13:45
Date & Time
Span
SpanRef
Span Low
Span High

O3[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero

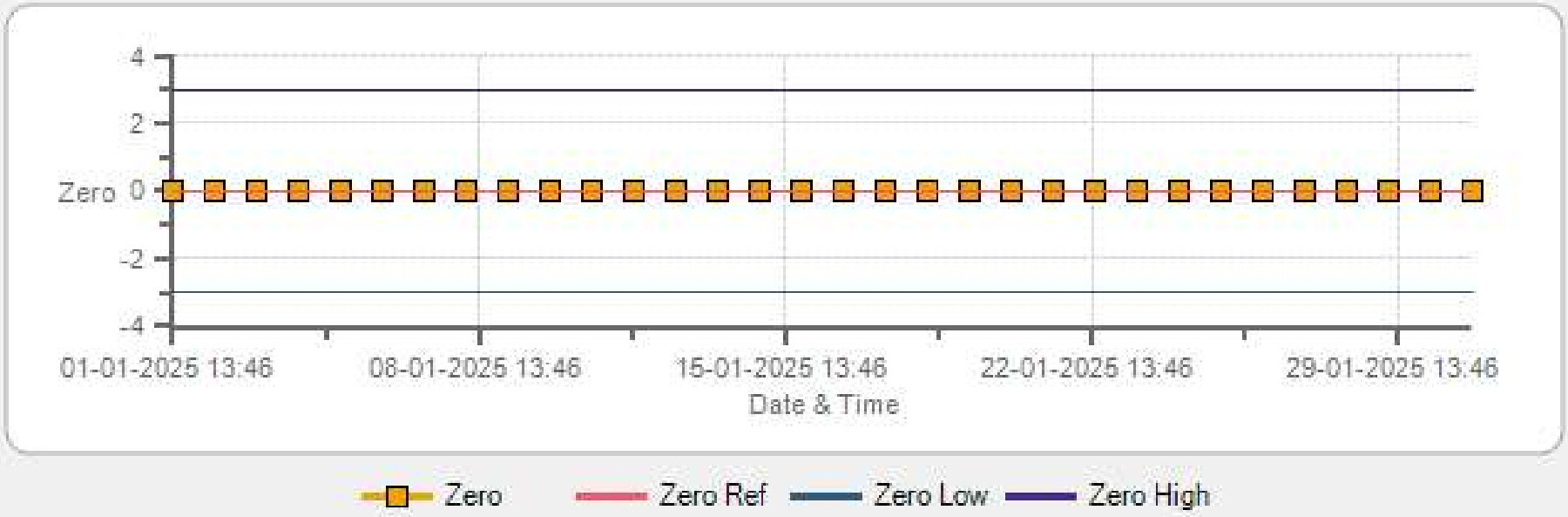


O3[ppb] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span

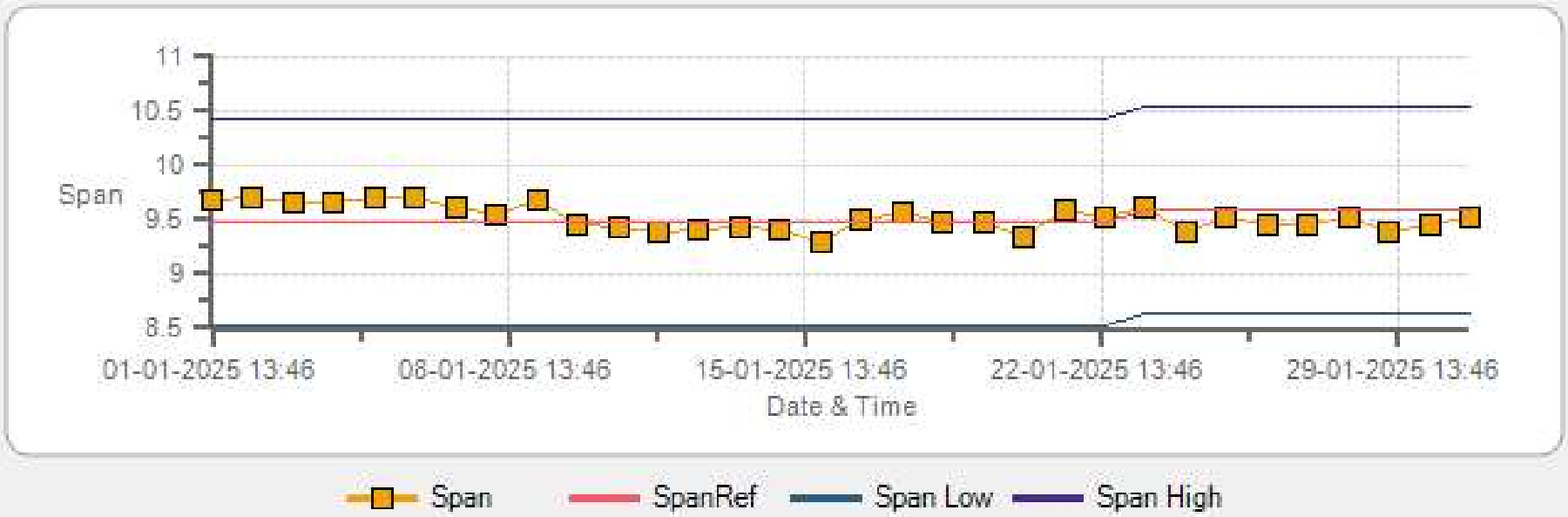



THC55[ppm] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 13:47
08-01-2025 13:47
15-01-2025 13:47
22-01-2025 13:47
29-01-2025 13:47
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span
23
22
21
Span 20
19
18
01-01-2025 13:47
08-01-2025 13:47
15-01-2025 13:47
22-01-2025 13:47
29-01-2025 13:47
Date & Time
Span
SpanRef
Span Low
Span High

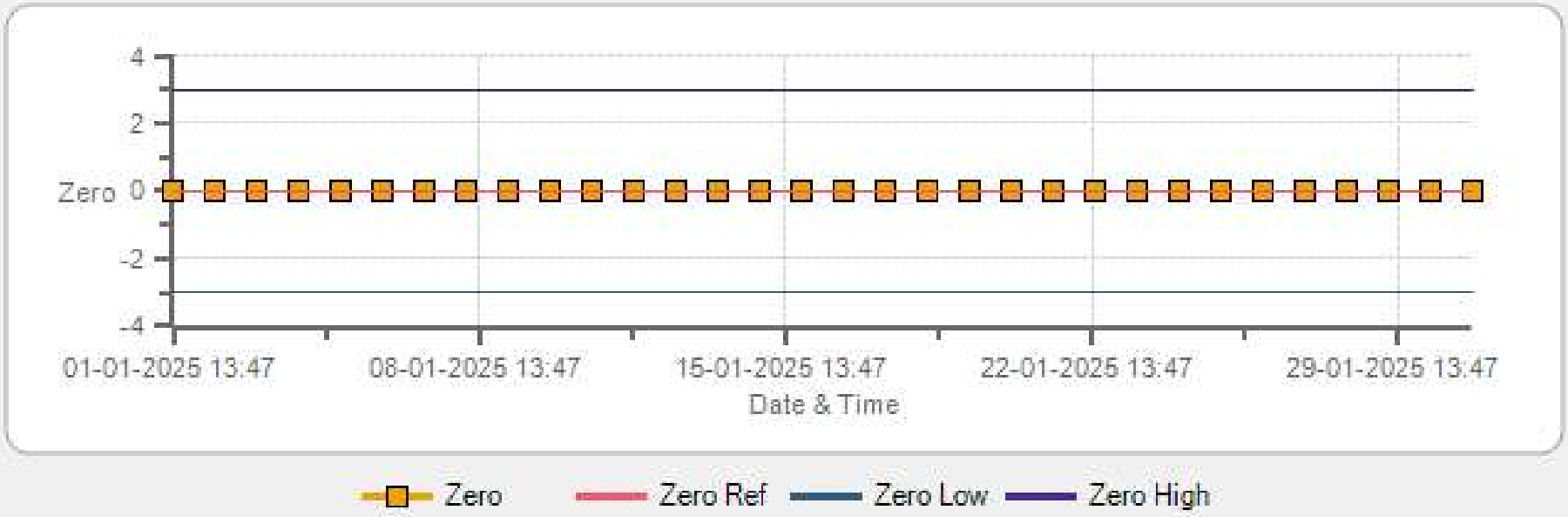
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero



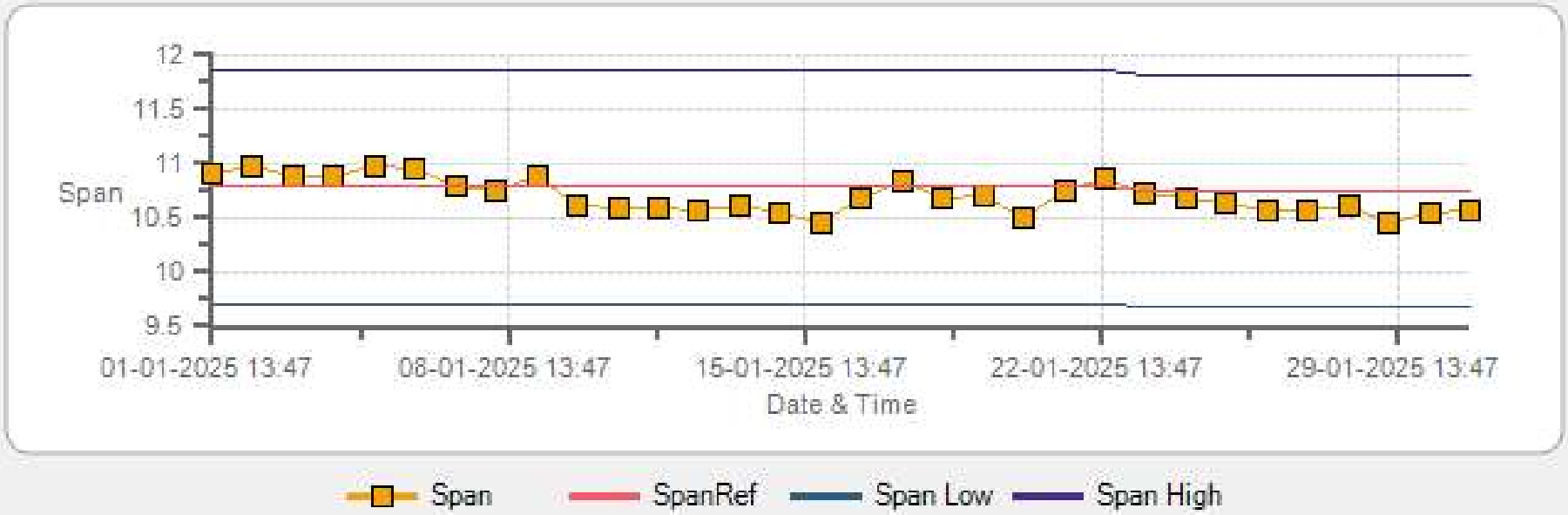
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Zero



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 01-2025 Type: SpanAndZero - Span



MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	21-Jan-2025	PREVIOUS CALIBRATION DATE:	17-Dec-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.4
LOCATION:	Grimshaw	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	09:35
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:25

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	500	ppb
SERIAL #	722	FLOW (mL/min)	447	
INITIAL		FINAL		
BKG/OFFSET	35.2	BKG/OFFSET	36.4	
COEF/SLOPE	0.918	COEF/SLOPE	0.909	
Expected (reference) Value	263.1	Expected (reference) Value	267.7	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000		4000	0.00	0.7	0		
3939	60.60	4000	380.27	381.1	381	1.000	0.998
3971	28.70	4000	180.09	n/a	180.4	n/a	0.998
3986	14.30	4000	89.73	n/a	90.1	n/a	0.996

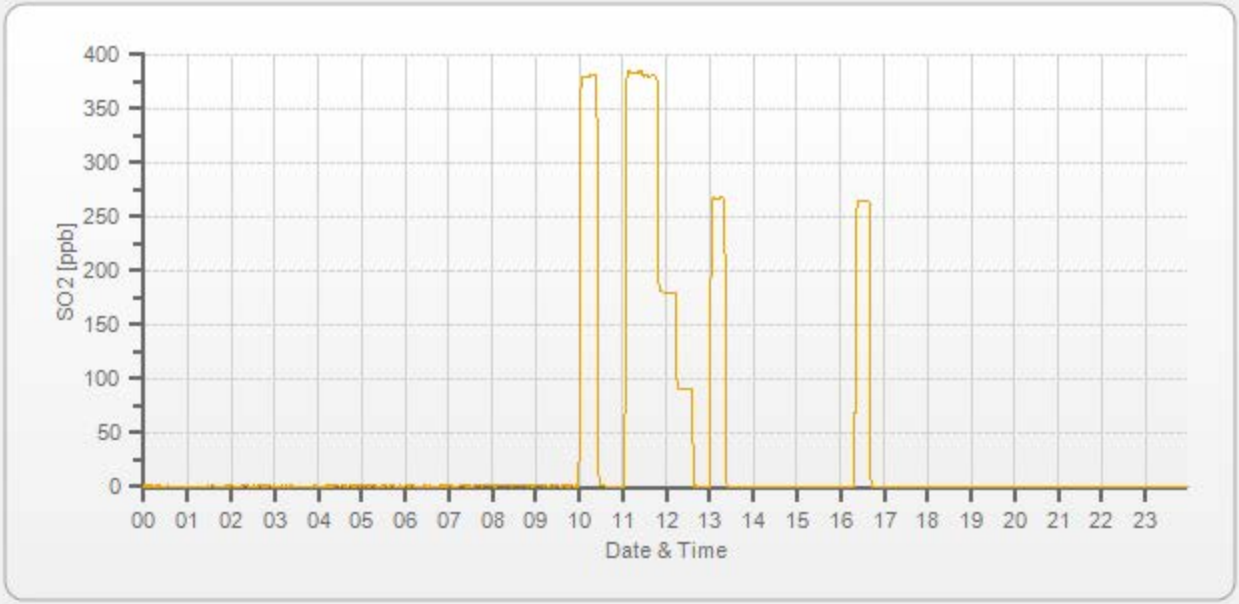
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.002	0.0%

COMMENTS:

Sample filter changed

SO2[ppb] Station: AQHI Grimshaw Daily: 2025-01-21 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	21-Jan-2025	PREVIOUS CALIBRATION DATE:	17-Dec-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	22.4
LOCATION:	Grimshaw	BAROMETRIC (mBar):	936
PURPOSE	Routine	START TIME (MST):	09:35
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	13:25

ANALYZER:

MAKE/MODEL	Thermo 43iQ-TL	RANGE	100	ppb
SERIAL #	12409233394	FLOW (mL/min)	369	
INITIAL		FINAL		
BKG/OFFSET	1.74	BKG/OFFSET	1.84	
COEF/SLOPE	1.087	COEF/SLOPE	1.095	
Expected (reference) Value	59.84	Expected (reference) Value	62.45	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4000		4000	0.00	-0.02	0		
3967	30.90	3998	77.98	76.4	77.98	1.020	1.000
3985	15.10	4000	38.09	n/a	38.3	n/a	0.995
3993	7.50	4000	18.92	n/a	19.5	n/a	0.970

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.3%

COMMENTS:

Sample filter Changed

TRS[ppb] Station: AQHI Grimshaw Daily: 2025-01-21 Type: AVG 1 Min. [1 Min.]



NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

				ANALYZER:			
DATE:	21-Jan-2025	PREVIOUS CALIBRATION DATE:	17-Dec-2024	MAKE/MODEL:	Thermo 42iQ	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	22.4	SERIAL #:	12409233392	NOx	1.000
LOCATION:	Grimshaw	BAROMETRIC (mBar):	936	FLOW (mL/min)	650	NO	1.001
PURPOSE	Routine	START TIME (MST):	09:36	RANGE (ppb)	500	NO2	1.010
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:34	GPT FOR O3?		Yes	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL18926		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	50.7	50.9	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Oct-2032		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.7	1.6	n/a	BKG/OFFSET:	1.6	1.5	n/a
SLOPE/COEF/CE:	1.003	1.332	1.014	SLOPE/COEF/CE:	0.992	1.325	1.014

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	234.1	1.3	232.7		234.1	1.3	232.7

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	395	250	240-275	n/a
MID	180	154	150-157	Mid
LOW	90	54	50-58	Low
EXTRA 1	n/a	340	300-370	High

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
4999		4999	0.0	0.0	0.0	-0.2	0.0	0.2	0.0	0.0	0.0						
4960	39.00	4999	395.5	397.1	1.6	382.4	394.3	11.8	396.3	397.6	1.4	1.034	1.007		0.998	0.999	
4981	17.80	4999	180.5	181.2	0.7	n/a	n/a	n/a	179.1	179.9	0.8	n/a	n/a		1.008	1.007	
4991	8.90	5000	90.2	90.6	0.4	n/a	n/a	n/a	88.7	89.3	0.6	n/a	n/a		1.017	1.015	

GPT CALIBRATION:

Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	39.00	5001	0	395.1	396.4	1.3				
AS-FOUND HIGH	39.00	5001	260	138.2	393.9	255.7	256.9	254.4	1.010	99.03%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
MID	39.00	5001	155	242.9	395.1	152.2	152.2	150.9	1.009	99.15%
LOW	39.00	5001	54	343.9	396.5	52.7	51.2	51.4	0.996	100.39%
NO2 adjustment not required.									AVERAGE:	99.52%

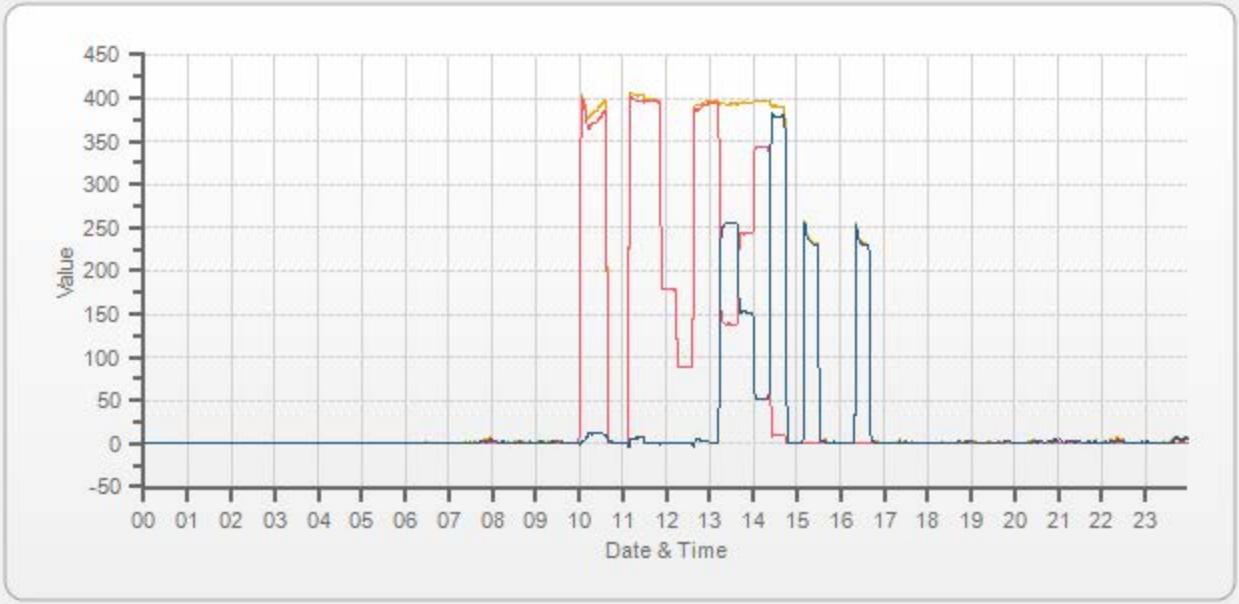
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	1.003	-0.22%
NOx	1.000	1.002	-0.18%
NO2	1.000	0.987	0.16%

COMMENTS:

Sample filter changed
Analyser is slow to stable at As found Calibration.
Extra GPT point for O3: Setting = 380, O3 drop = 384.8

Station: AQHI Grimshaw Daily: 2025-01-21 Type: AVG 1 Min. [1 Min.]



NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:				ANALYZER:			
DATE:	22-Jan-2025	PREVIOUS CALIBRATION DATE:	21-Jan-2025	MAKE/MODEL:	Thermo 42iQ	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	21.3	SERIAL #:	12409233392	NOx	0.999
LOCATION:	Grimshaw	BAROMETRIC (mBar):	957	FLOW (mL/min)	650	NO	0.998
PURPOSE	Repeat	START TIME (MST):	09:15	RANGE (ppb)	500	NO2	1.010
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:43	GPT FOR O3?		No	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL18926		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	50.7	50.9	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Oct-2032		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.6	1.5	n/a	BKG/OFFSET:	1.6	1.6	n/a
SLOPE/COEF/CE:	0.992	1.325	1.014	SLOPE/COEF/CE:	0.994	1.336	1.002

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	234.1	1.3	232.7		230.8	1.1	229.7

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	380	250	230-265	n/a
MID	180	125	115-150	n/a
LOW	90	45	40-55	n/a
EXTRA 1	n/a	n/a	n/a	n/a

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
4999		4999	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0						
4963	37.50	5000	380.3	381.8	1.5	376.1	377.3	1.3	381.3	383.3	1.9	1.011	1.011		0.997	0.996	
4981	17.80	4999	180.5	181.2	0.7	n/a	n/a	n/a	179.7	180.8	1.0	n/a	n/a		1.005	1.002	
4991	8.90	5000	90.2	90.6	0.4	n/a	n/a	n/a	89.7	90.1	0.5	n/a	n/a		1.006	1.006	

GPT CALIBRATION:

Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	37.50	5001	0	382.1	384.1	2.0				
AS-FOUND HIGH	37.50	5001	250	130.4	380.6	250.2	251.7	248.2	1.014	98.61%
ADJUSTED HIGH	37.50	5001	250	130.3	383.1	252.8	251.8	250.8	1.004	99.60%
MID	37.50	5001	125	257.1	383.5	126.4	125	124.4	1.005	99.52%
LOW	37.50	5001	48	336.5	384.0	47.4	45.6	45.4	1.004	99.56%
NO2 COEF/CONVERTER EFFICIENCY ADJUSTED									AVERAGE:	99.56%

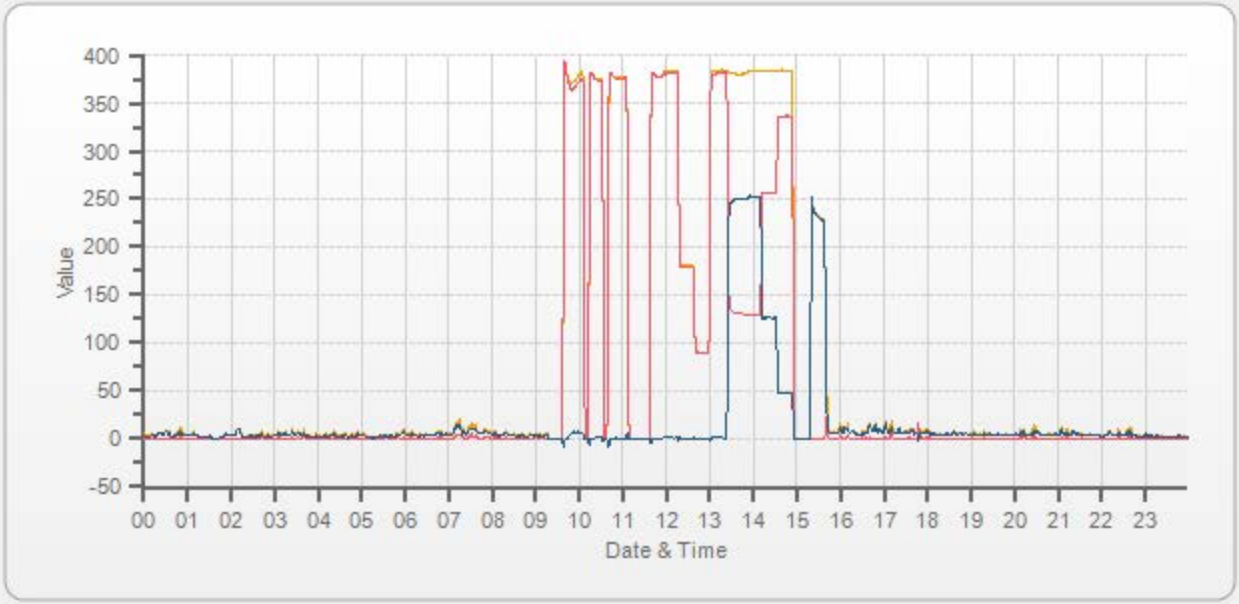
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	1.003	-0.12%
NOx	1.000	1.005	-0.12%
NO2	1.000	0.996	-0.01%

COMMENTS:

As found calibration was not stable. Repeated calibration.

Station: AQHI Grimshaw Daily: 2025-01-22 Type: AVG 1 Min. [1 Min.]



NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

				ANALYZER:			
DATE:	24-Jan-2025	PREVIOUS CALIBRATION DATE:	22-Jan-2025	MAKE/MODEL:	Thermo 42iQ	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	20.6	SERIAL #:	12409233392	NOx	0.996
LOCATION:	Grimshaw	BAROMETRIC (mBar):	952	FLOW (mL/min)	650	NO	0.997
PURPOSE	As-Found	START TIME (MST):	13:04	RANGE (ppb)	500	NO2	1.004
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	15:58	GPT FOR O3?		No	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL18926		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	50.7	50.9	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Oct-2032		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.6	1.6	n/a	BKG/OFFSET:	n/a	n/a	n/a
SLOPE/COEF/CE:	0.994	1.336	1.002	SLOPE/COEF/CE:	n/a	n/a	n/a

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	230.8	1.1	229.7		n/a	n/a	n/a

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	380	250	230-265	n/a
MID	180	125	115-150	n/a
LOW	90	45	40-55	n/a
EXTRA 1	n/a	n/a	n/a	n/a

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
4999		4999	0.0	0.0	0.0	-0.2	-0.2	0.0	n/a	n/a	n/a						
4963	37.50	5000	380.3	381.8	1.5	371.2	380.5	9.3	n/a	n/a	n/a	1.024	1.003		n/a	n/a	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a	n/a	
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		n/a	n/a	

GPT CALIBRATION:

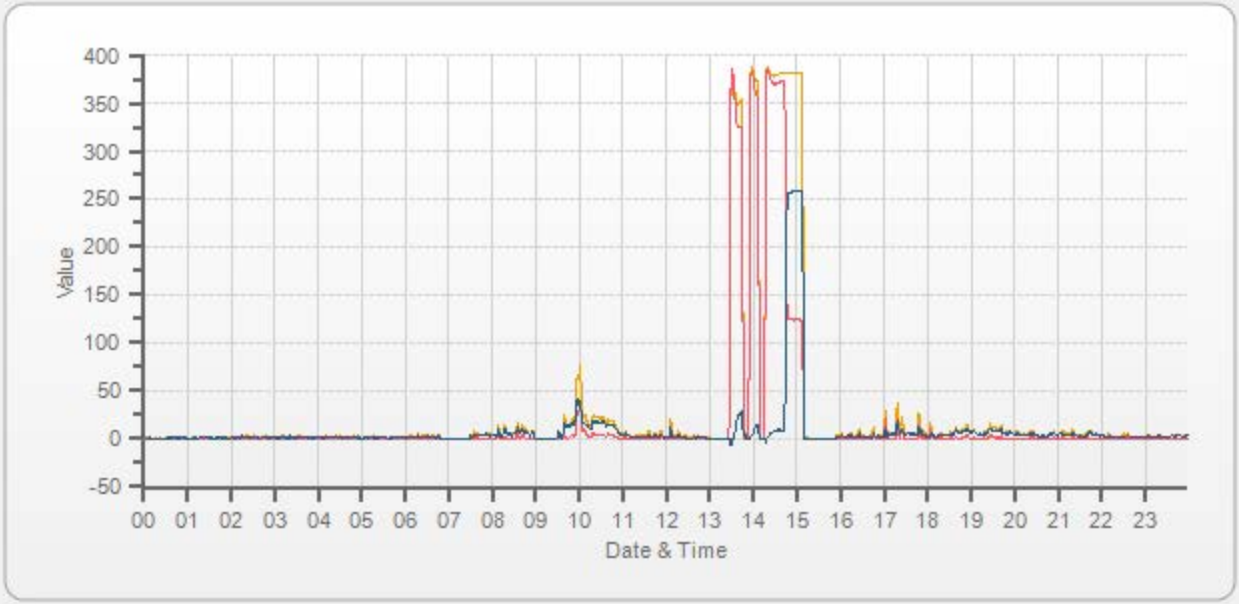
Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	37.50	5000	0	371.2	380.5	9.3				
AS-FOUND HIGH	37.50	5001	250	123.5	381.9	258.4	247.7	249.1	0.994	100.57%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
MID	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
LOW	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
NO2 adjustment not required.									AVERAGE:	**n/a**

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	n/a	**n/a**	**n/a**
NOx	n/a	**n/a**	**n/a**
NO2	n/a	**n/a**	**n/a**

COMMENTS:

As found due to ZS issues


Station: AQHI Grimshaw Daily: 2025-01-24 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
Value
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
NOX [ppb]
NO [ppb]
NO2 [ppb]

NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:				ANALYZER:			
DATE:	29-Jan-2025	PREVIOUS CALIBRATION DATE:	22-Jan-2025	MAKE/MODEL:	Thermo 42iQ	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	21.6	SERIAL #:	12409233392	NOx	0.996
LOCATION:	Grimshaw	BAROMETRIC (mBar):	929	FLOW (mL/min)	650	NO	0.997
PURPOSE	Removal/Shut-down	START TIME (MST):	10:01	RANGE (ppb)	500	NO2	1.004
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:26	GPT FOR O3?		No	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL18926		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	50.7	50.9	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Oct-2032		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	1.6	1.6	n/a	BKG/OFFSET:	n/a	n/a	n/a
SLOPE/COEF/CE:	0.994	1.336	1.002	SLOPE/COEF/CE:	n/a	n/a	n/a

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	230.8	1.1	229.7		n/a	n/a	n/a

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	380	250	230-265	n/a
MID	180	125	115-150	n/a
LOW	90	45	40-55	n/a
EXTRA 1	n/a	n/a	n/a	n/a

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
4999		4999	0.0	0.0	0.0	-0.1	-0.2	0.0	n/a	n/a	n/a						
4963	37.50	5000	380.3	381.8	1.5	377.3	386.4	9.1	n/a	n/a	n/a	1.008	0.987		n/a	n/a	
4981	17.80	4999	180.5	181.2	0.7	177.4	181.6	4.2	n/a	n/a	n/a	1.017	0.997		n/a	n/a	
4991	8.90	5000	90.2	90.6	0.4	87.2	90.1	2.9	n/a	n/a	n/a	1.034	1.003		n/a	n/a	

GPT CALIBRATION:

Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	37.50	5000	0	375.3	385.2	9.9				
AS-FOUND HIGH	37.50	5000	250	126.0	384.7	258.7	249.3	248.8	1.002	99.80%
ADJUSTED HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
MID	37.50	5000	125	251.2	385.1	133.8	124.1	123.9	1.002	99.84%
LOW	37.50	5000	45	331.1	384.7	53.6	44.2	43.7	1.011	98.87%
NO2 adjustment not required.									AVERAGE:	99.50%

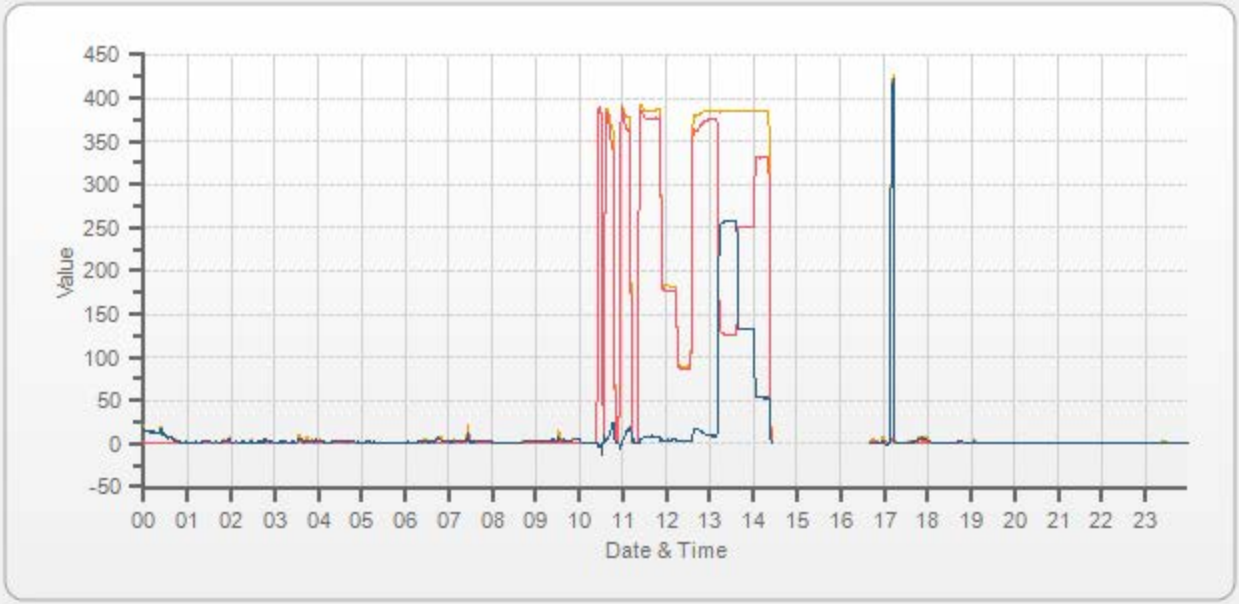
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	0.994	-0.27%
NOx	1.000	1.014	-0.23%
NO2	1.000	1.000	-0.07%

COMMENTS:

Shut down calibration due to issues with IZS system
As found high not stable.

Station: AQHI Grimshaw Daily: 2025-01-29 Type: AVG 1 Min. [1 Min.]



NOx Calibration by Dilution/Gas-Phase Titration

CALIBRATION:

				ANALYZER:			
DATE:	30-Jan-2025	PREVIOUS CALIBRATION DATE:	n/a	MAKE/MODEL:	Teledyne T200	PREVIOUS CF.	
CLIENT:	PRAMP	TEMPERATURE (°C):	n/a	SERIAL #:	837	NOx	n/a
LOCATION:	Grimshaw	BAROMETRIC (mBar):	941	FLOW (mL/min)	442	NO	n/a
PURPOSE	Install/Post-Repair	START TIME (MST):	08:54	RANGE (ppb)	500	NO2	n/a
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	17:23	GPT FOR O3?		No	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL18926		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	NO/NOx (PPM):	50.7	50.9	HIGH EXPIRY:	n/a
ID:	26701218	ID:	80	CYLINDER (psi):	1800		LOW ID:	n/a
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	11-Oct-2032		LOW EXPIRY:	n/a

CALIBRATION SETTINGS:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
BKG/OFFSET:	n/a	n/a	n/a	BKG/OFFSET:	-1	-2.2	n/a
SLOPE/COEF/CE:	n/a	n/a	n/a	SLOPE/COEF/CE:	0.856	0.864	0.997

EXPECTED (REFERENCE) VALUE:

INITIAL	NOx	NO	NO2	FINAL	NOx	NO	NO2
	n/a	n/a	n/a		389.4	4.1	385.3

CALIBRATION PARAMETERS:

POINT	NO TARGET (PPB)	NO2 TARGET (PPB)	NO2 RANGE	O3 POINT
HIGH	380	250	230-265	n/a
MID	180	125	115-150	n/a
LOW	90	45	40-55	n/a
EXTRA 1	n/a	n/a	n/a	n/a

NO/NOx CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (ppb)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2	NO	NOx	NO2
4999		4999	0.0	0.0	0.0	n/a	n/a	n/a	0.0	0.0	0.0						
4963	37.50	5000	380.3	381.8	1.5	n/a	n/a	n/a	379.2	381.9	2.7	n/a	n/a		1.003	1.000	
4981	17.80	4999	180.5	181.2	0.7	n/a	n/a	n/a	180.6	182.2	1.6	n/a	n/a		1.000	0.995	
4991	8.90	5000	90.2	90.6	0.4	n/a	n/a	n/a	91.2	91.5	0.3	n/a	n/a		0.990	0.990	

GPT CALIBRATION:

Point	CALIBRATOR			INDICATED (ppb)			NO DROP / O3 Conc (ppb)	NO2 GAIN (ppb)	NO2 Corr. FACTOR	CONV. EFFICIENCY
	GAS	TOTAL	O3 SETPOINT	NO	NOx	NO2				
REFERENCE	37.50	5000	0	380.6	380.1	-0.5				
AS-FOUND HIGH	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	**n/a**	n/a
ADJUSTED HIGH	37.50	5000	250	130.1	380.7	250.6	250.5	251.1	0.998	100.24%
MID	37.50	5000	135	248.7	382.7	134.0	131.9	134.5	0.981	101.97%
LOW	37.50	5000	45	337.7	382.0	44.3	42.9	44.8	0.958	104.43%
NO2 COEF/CONVERTER EFFICIENCY ADJUSTED									AVERAGE:	102.21%

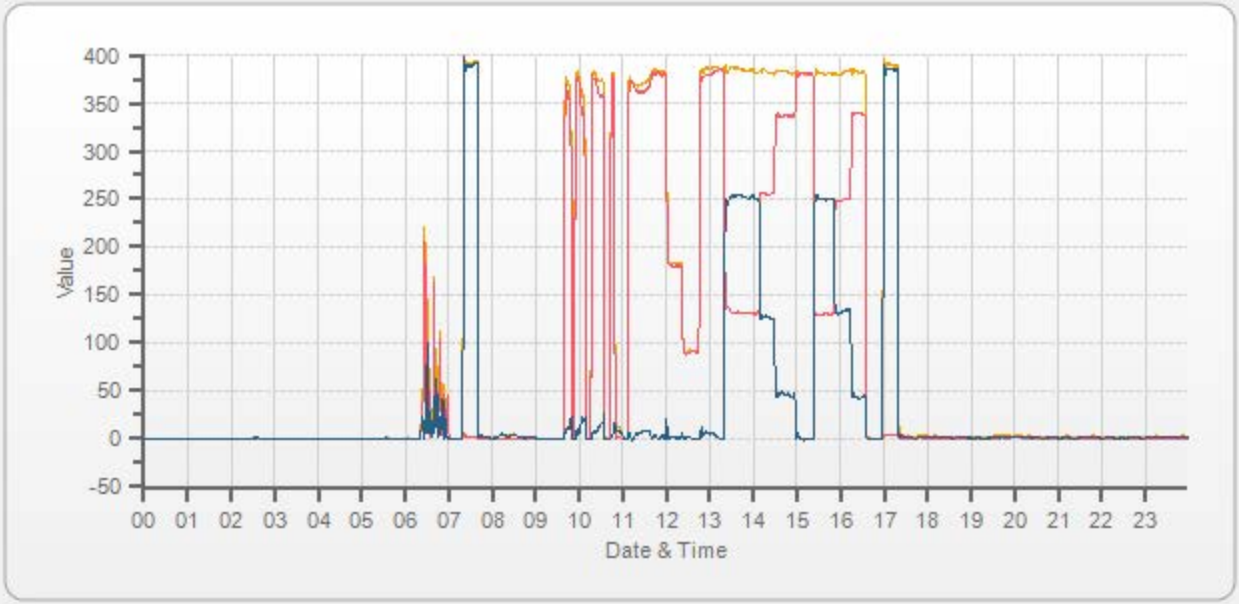
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
NO	1.000	0.996	0.12%
NOx	1.000	1.000	0.11%
NO2	1.000	0.993	0.53%

COMMENTS:

Installation Calibration
Adjusted High restarted to gain more stability.
GPT Calibration failed 1st attempt. Repeated from GPT reference then OK.

Station: AQHI Grimshaw Daily: 2025-01-30 Type: AVG 1 Min. [1 Min.]



Ozone Calibration by Direct GPT

DATE:	21-Jan-2025	PREVIOUS CALIBRATION DATE:	18-Dec-2024
PARAMETER:	O3	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	21.8
LOCATION:	Grimshaw	BAROMETRIC (mBar):	939
PURPOSE	Routine	START TIME (MST):	14:53
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	19:20

ANALYZER:

MAKE/MODEL	Thermo 49iQ	RANGE	500 ppb
SERIAL #	12326230141	FLOW (mL/min)	1250
INITIAL		FINAL	
BKG/OFFSET	4.4	BKG/OFFSET	4.2
COEF/SLOPE	1.023	COEF/SLOPE	1.018
Expected (reference) Value	362.9	Expected (reference) Value	377.6

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Sabio
MODEL:	2010	MODEL:	T701
ID:	26701218	ID:	80
MFC CALIBRATION DATE:	13-Sep-2024	OXIDIZER ID:	n/a
	CALIBRATION METHOD:	Direct GPT	
GPT DATE:	21-Jan-2025	GPT END TIME:	14:48

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
RANGE	300 - 400	150 - 200	50 - 100

CALIBRATION:

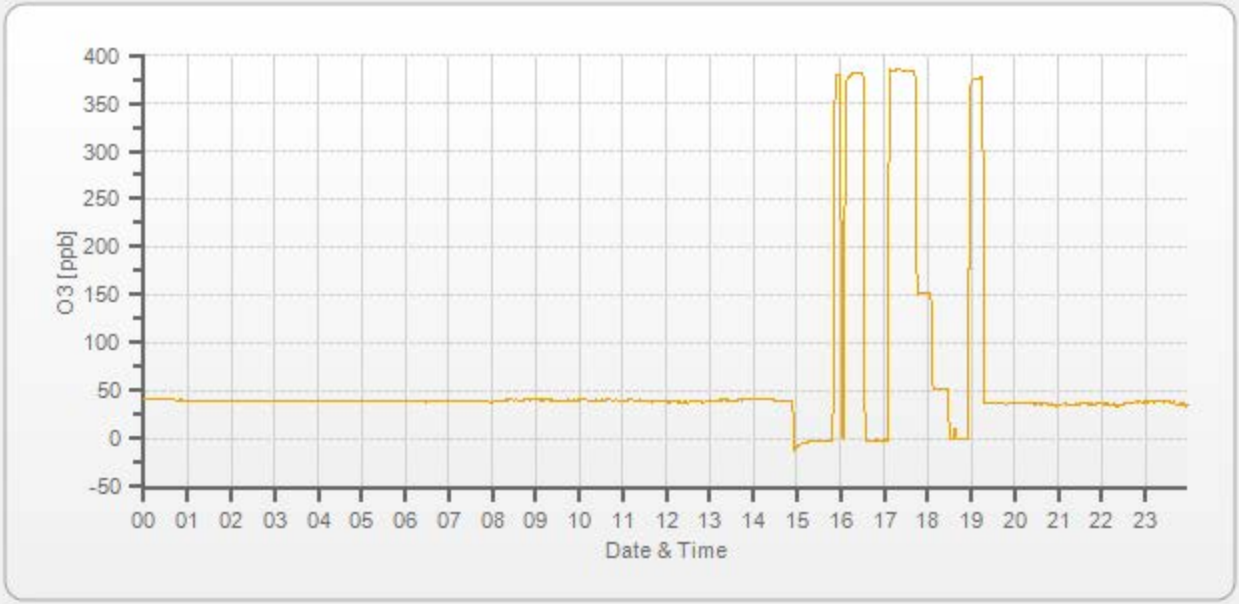
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
DILUENT	GAS	TOTAL	ACTUAL	INDICATED Initial	INDICATED Final	Initial	Final
5000		5000	0.0	-0.6	0.0		
5000		5000	384.8	383.0	385.0	1.003	0.999
5000		5000	152.2	n/a	153.5	n/a	0.992
5000		5000	51.2	n/a	53.5	n/a	0.957

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	0.998	0.2%

COMMENTS:

Sample filter changed
16:00-Daily IZS triggered and cancelled


O3[ppb] Station: AQHI Grimshaw Daily: 2025-01-21 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
O3 [ppb]
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
O3 [ppb]

Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	21-Jan-2025	PREVIOUS CALIBRATION DATE:	17-Dec-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	22.9
LOCATION:	Grimshaw	BAROMETRIC (mBar):	939
PURPOSE	Routine	START TIME (MST):	12:55
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	16:54

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	12101910497	1040
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	1.000	0.996	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	Sabio	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	400		LOW ID:	n/a
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	Yes
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	9.48	10.79	20.27		9.59	10.75	20.34

CALIBRATION:

FLOW RATE			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
(mL/min)			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3099		3099	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3049	50.30	3099	14.56	13.44	27.99	14.22	13.12	27.34	14.58	13.42	28.00	1.024	1.024	1.024	0.999	1.001	1.000
3075	25.20	3100	7.29	6.73	14.02	n/a	n/a	n/a	7.33	6.74	14.07	n/a	n/a	n/a	0.995	0.998	0.996
3087	12.60	3100	3.65	3.36	7.01	n/a	n/a	n/a	3.66	3.36	7.02	n/a	n/a	n/a	0.996	1.001	0.999

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.001	0.0%
NMHC	1.000	0.999	0.0%
THC	1.000	1.000	0.0%

Comments:

Sample filter changed

Station: AQHI Grimshaw Daily: 2025-01-21 Type: AVG 1 Min. [1 Min.]



Teledyne T640 Audit/Calibration

Date/Previous Audit Date:	January 21, 2025	December 17, 2024	**Weather Conditions:**	Mainly clear	
Company:	PRAMP		**Start Time (mst):**	14:56	
Station:	Grimshaw		**End Time (mst):**	15:12	
Parameter:	PM 2.5		**Performed By/Reviewer:**	Kevin Sebastian	Chris Wesson

Instrument Data:

Make/Model:	Teledyne T640	**Serial Number:**	318
Owner:	PRAMP	**Alarms (detail in comments):**	Yes

Reference Standards/I.D./Expiry Date:

Flow Standard: Deltacal DC1 #206578, Exp Nov 27,2025 **Temperature:** Deltacal DC1 #206578, Exp Nov 27,2025

Digital Manometer: Deltacal DC1 #206578, Exp Nov 27,2025 **Pressure:** Deltacal DC1 #206578, Exp Nov 27,2025

DIAGNOSTICS:

Ambient Pressure (mmHg)	705.9	Ambient Temp (°C)	0.3	ASC Heater Duty (%)	0.0
Box Temp (°C)	23.8	Current PMT HV (V)	1539	LED Temp (°C)	32.22
P3 Value	49	PMT Setting (V)	1547	Pump PWM (%)	66
Sample Flow (L/min)	5.02	Sample RH (%RH)	19.7	Sample Temp (°C)	21.9

Item:	**As-found**		**As-left**		**Tolerance**
	Reference	**T640x**	**Reference**	**T640x**	
Zero Test (Leak Check)	PM10	0.0	0	0.0	0.0 to 0.2
	PM2.5	0.0	0	0.0	
Ambient Pressure (mmHg)	706.1	706.9	n/a	n/a	+/- 10 mm Hg
Ambient Temperature (°C)	-0.10	-1	n/a		+/- 2°C
Sample Flow (L/min)	5.11	5	n/a	n/a	+/-5% of T640x (e.g., 4.75 – 5.25 lpm)
					Completed
				Inlet cleaned?	Yes
				Sample tubing inspected (inner and outer)?	Yes

Comments:

Alert: 12/17/24:Check internal pump

Meteorological System Checklist

Date:	January 21, 2025		
Technician:	Kevin Sebastian		
Station:	PRAMP Grimshaw		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Vaisala	HMP155	N2910506
Barometric Pressure Sensor:	MetOne	92	A2397
Relative Humidity Sensor:	Vaisala	HMP155	N2910506
Anemometer:	RM Young	05305AQ	174801
AMBIENT TEMPERATURE SENSOR CHECK			
Previous check date:	December 17, 2024		
Parameter:	Temperature @ 2 metres		
Reference Thermometer ID:	FS 181341226 expires July 24, 2025		
Reference Temperature (^{o}C):	-4.1		
Station - Ambient Temperature (^{o}C):	-3.3		
Temperature Difference (^{o}C):	-0.8		
BAROMETRIC PRESSURE SENSOR CHECK			
Previous check date:	December 17, 2024		
Reference Barometer ID:	Brunton 05535 Expires July 24,2025		
Reference Pressure - Units/Reading:	millibar	949	
Station Pressure - Units/Reading:	millibar	949.8	
Pressure Tolerance +/- 15% of error:	807 - 1091	-0.08%	
RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK			
Previous check date:	December 17, 2024		
Reference Hygrometer ID:	FS 181341226 expires July 24, 2025		
Reference Hygrometer % RH- Reading:	84.10		
Station Hygrometer % RH- Reading:	89.30		
RH Tolerance +/- 15% of difference:	71.49 - 96.72	-6.2%	
ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK			
WIND SPEED		WIND DIRECTION	
Previous check date:	December 17, 2024	Previous check date:	December 17, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	N
Wind speed on Data Logger (kph):	11.2	Wind Direction on Data Logger:	N
		Wind Direction Pass/Fail?:	Pass

Comments

No issues

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	Grimshaw	**Reviewed By:**	Limin Li
Audit Date:	August 21, 2024	**Start/End Time (mst):**	15:04 - 16:36
Calibration Purpose:	routine annual	**Weather Conditions:**	Mix of sun and clouds

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	n/a
Sensor Model:	05305AQ	**Velocity Unit Output Range:**	0-200
Serial #:	174801	**Direction Voltage Output Range:**	n/a
Previous Cal/Audit Date:	August 2, 2023	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.0	0.0	-
1000	18.4	18.3	18.3	1.007
2000	36.9	36.7	36.7	1.004
3000	55.3	55.1	55.2	1.003
4000	73.7	73.6	73.6	1.002
5000	92.2	92.0	92.0	1.002
6000	110.6	110.6	110.5	1.000
7000	129.0	128.9	128.9	1.001
8000	147.4	147.3	147.3	1.001
9000	165.9	165.8	165.8	1.000
10000	184.3	184.2	184.2	1.001
		The audit meets AMD requirements.	**Average Correction Factor=**	**1.002**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	3	354	3.0	1.0	2.0
30	330	30	336	0.0	-6.0	3.0
60	300	59	305	1.0	-5.0	3.0
90	270	90	274	0.0	-4.0	2.0
120	240	119	239	1.0	1.0	1.0
150	210	149	207	1.0	3.0	2.0
180	180	177	178	3.0	2.0	2.5
210	150	206	149	4.0	1.0	2.5
240	120	238	118	2.0	2.0	2.0
270	90	273	90	-3.0	0.0	1.5
300	60	305	60	-5.0	0.0	2.5
330	30	336	31	-6.0	-1.0	3.5
355	0	354	3	1.0	3.0	2.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**2.3**

Comments:

Declination = 15 deg East
Horizontal bearings replaced.
Potentiometer noisy. Replacement required.

END OF REPORT

Peace River Area Monitoring Program

JANUARY 2025

Ambient Air Monitoring Calibration Report

- PEACE RIVER COMPLEX (PRC) STATION-

CAL-PRAMP-202501-01698

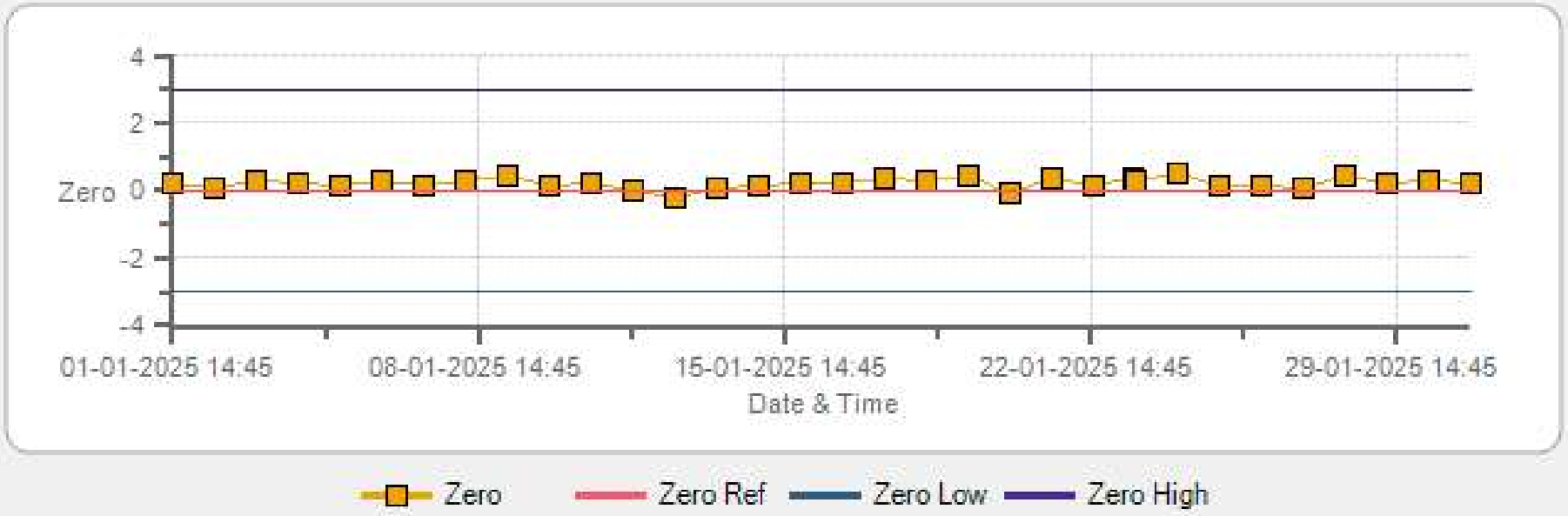
Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Bureau Veritas Canada

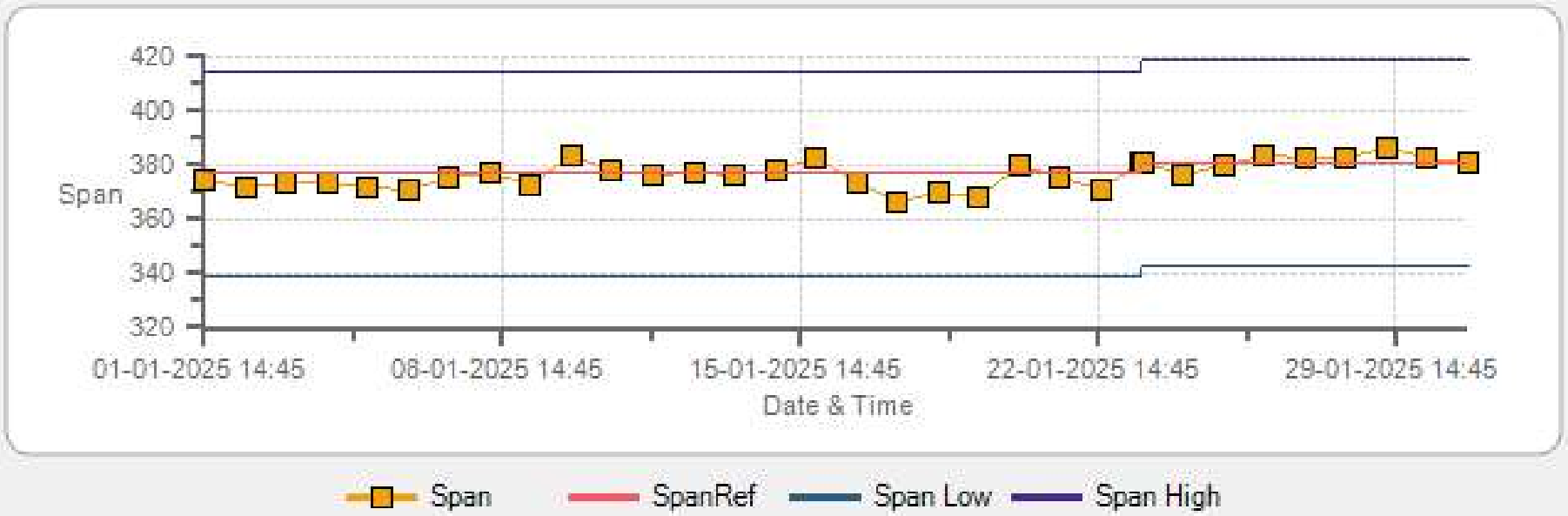
February 14, 2025

DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

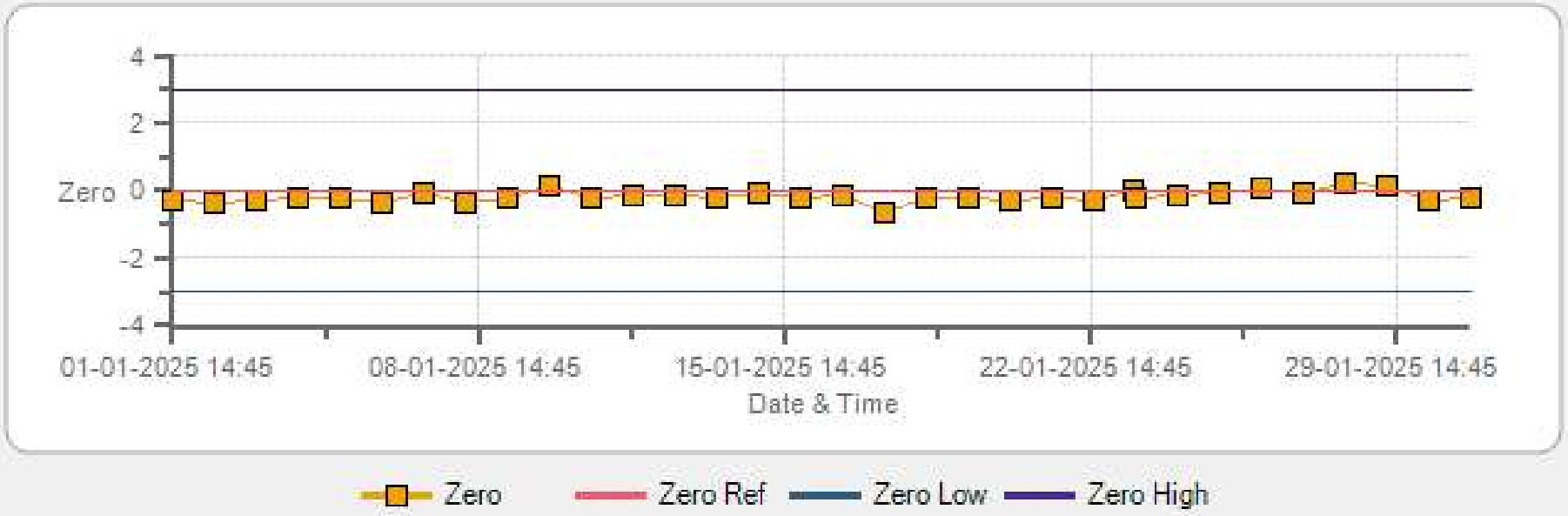
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Zero



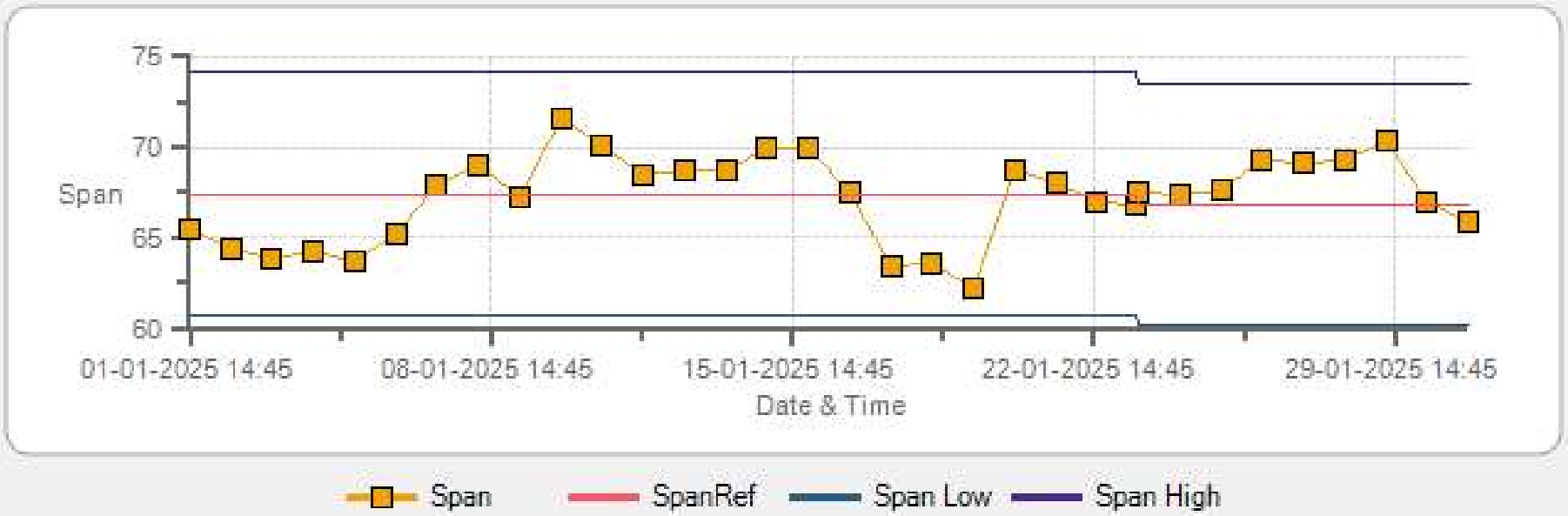
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Span



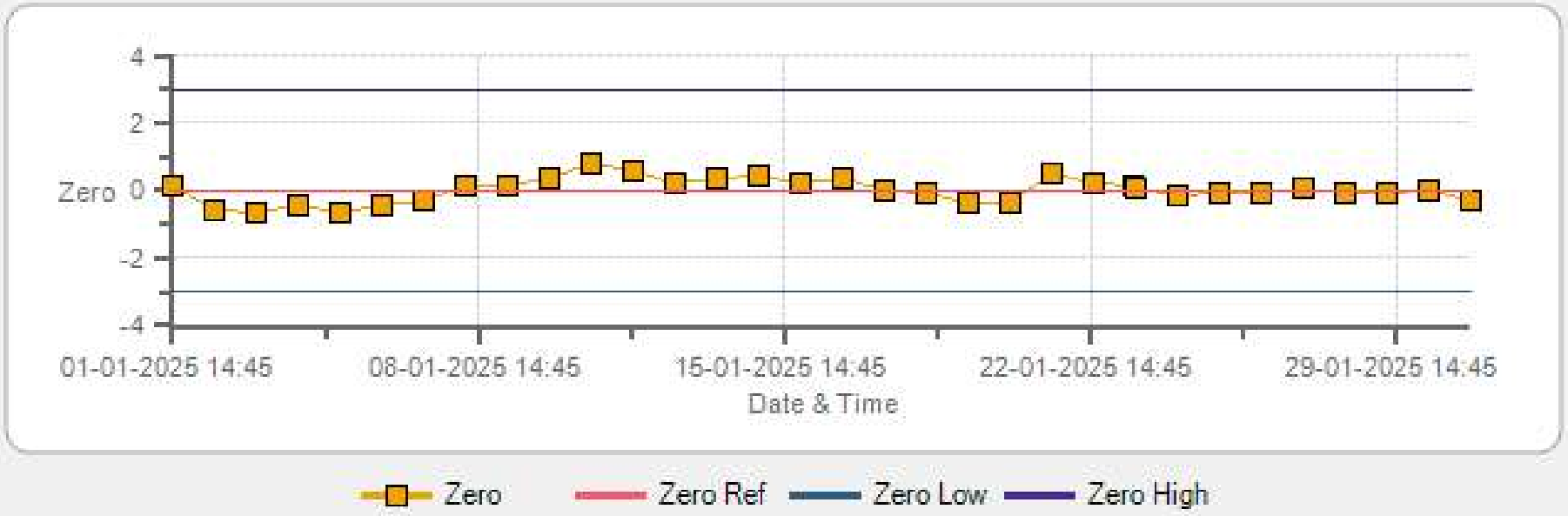
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Zero



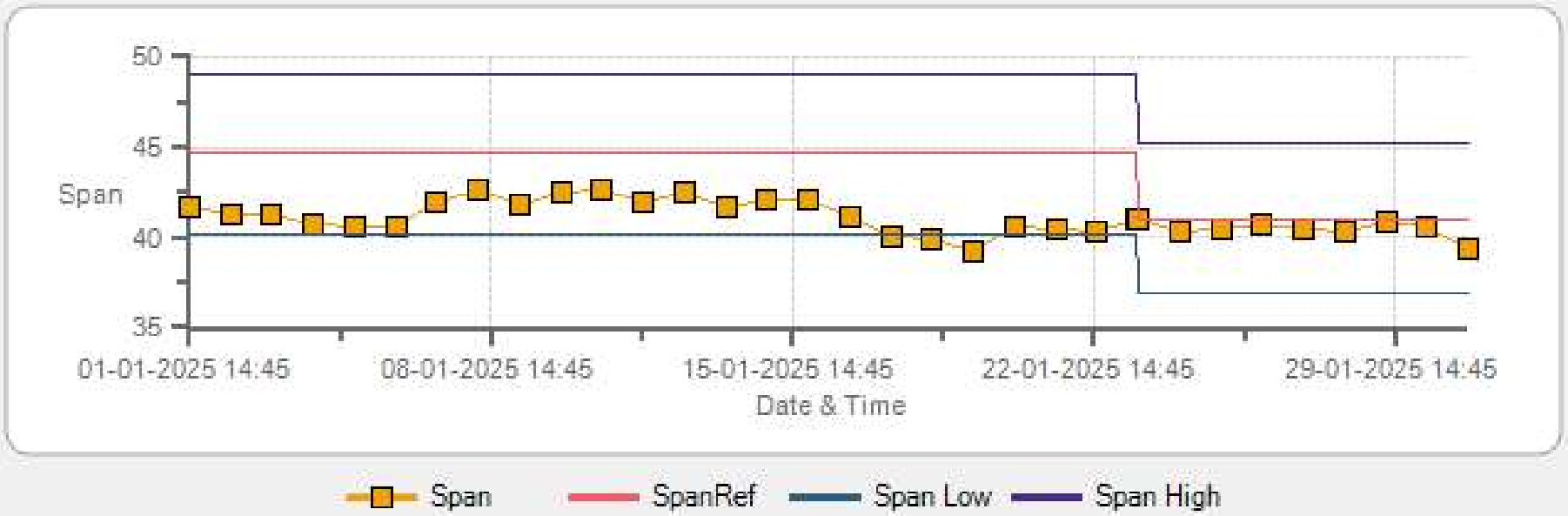
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Span

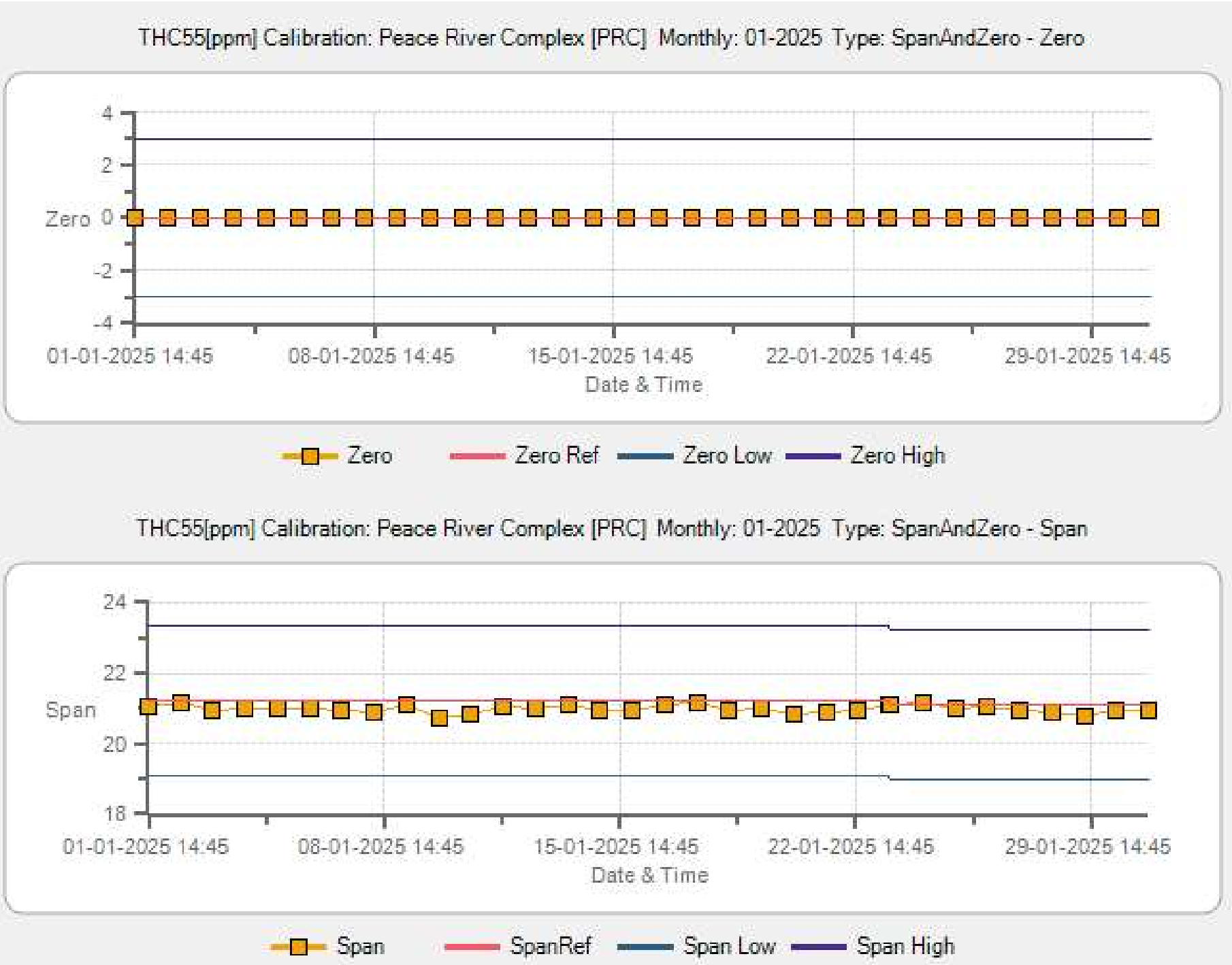


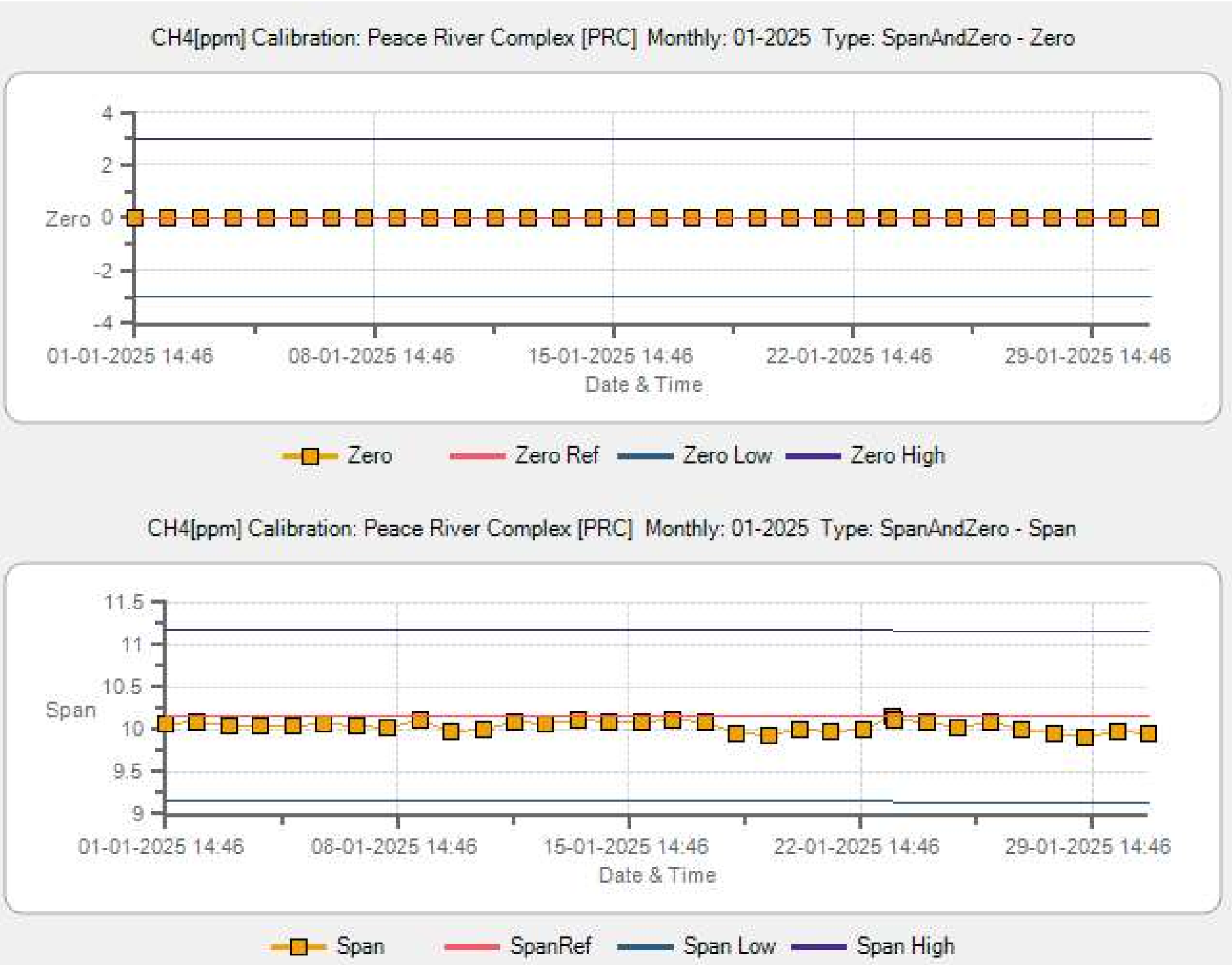
TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Zero

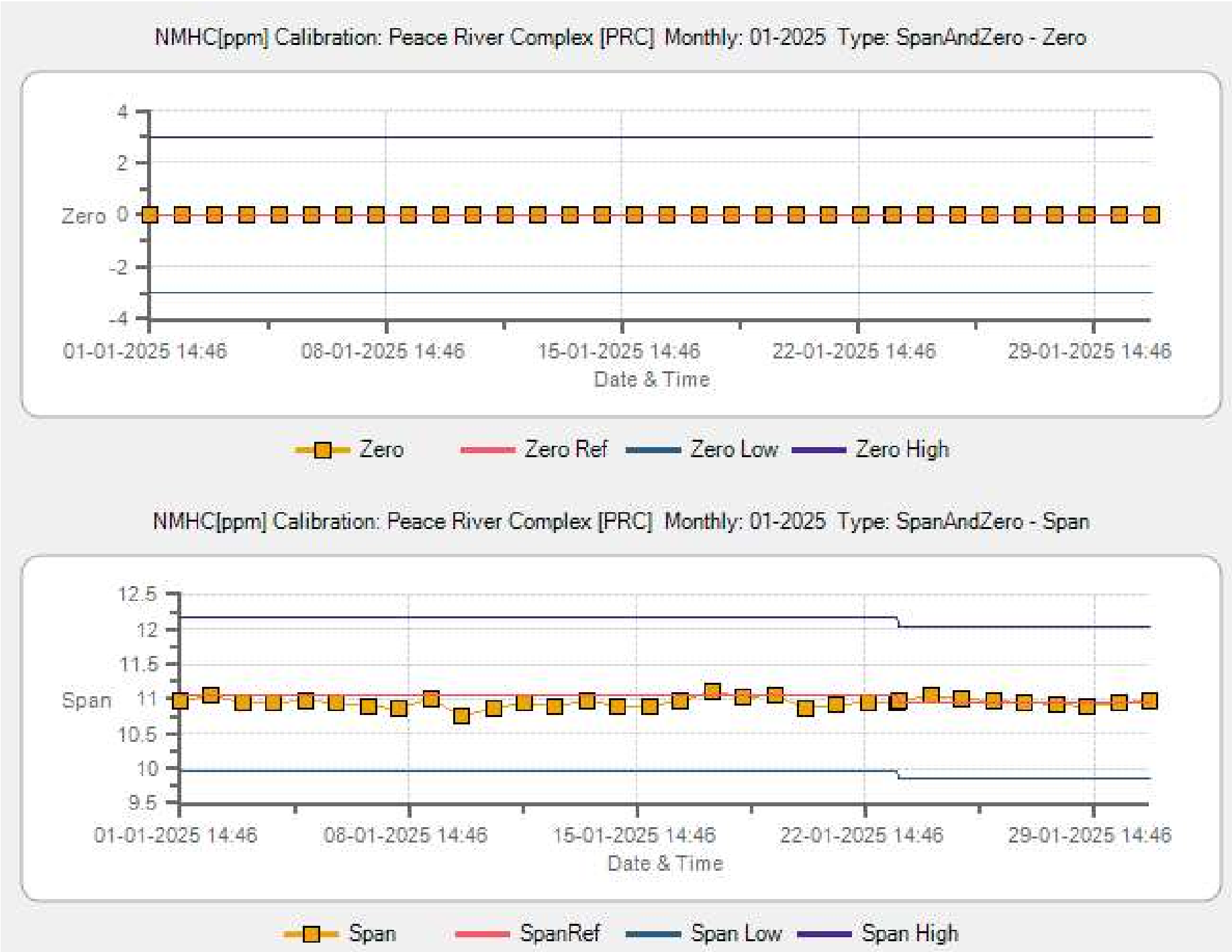


TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Span




THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 14:45
08-01-2025 14:45
15-01-2025 14:45
22-01-2025 14:45
29-01-2025 14:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Span
24
22
Span
20
18
01-01-2025 14:45
08-01-2025 14:45
15-01-2025 14:45
22-01-2025 14:45
29-01-2025 14:45
Date & Time
Span
SpanRef
Span Low
Span High


CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 14:46
08-01-2025 14:46
15-01-2025 14:46
22-01-2025 14:46
29-01-2025 14:46
Date & Time
Zero
Zero Ref
Zero Low
Zero High
CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Span
11.5
11
10.5
Span 10
9.5
9
01-01-2025 14:46
08-01-2025 14:46
15-01-2025 14:46
22-01-2025 14:46
29-01-2025 14:46
Date & Time
Span
SpanRef
Span Low
Span High


NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-01-2025 14:46
08-01-2025 14:46
15-01-2025 14:46
22-01-2025 14:46
29-01-2025 14:46
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 01-2025 Type: SpanAndZero - Span
12.5
12
11.5
Span 11
10.5
10
9.5
01-01-2025 14:46
08-01-2025 14:46
15-01-2025 14:46
22-01-2025 14:46
29-01-2025 14:46
Date & Time
Span
SpanRef
Span Low
Span High

MULTI-POINT CALIBRATION RECORDS

SO2 Analyzer Calibration by Dilution

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	10-Dec-2024
PARAMETER:	SO2	PREVIOUS CORRECTION FACTOR:	1.002
CLIENT:	PRAMP	TEMPERATURE (°C):	24.8
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	940
PURPOSE	Routine	START TIME (MST):	10:23
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:17

ANALYZER:

MAKE/MODEL	Thermo 43i	RANGE	500 ppb
SERIAL #	1034746225	FLOW (mL/min)	439
INITIAL		FINAL	
BKG/OFFSET	20	BKG/OFFSET	20.2
COEF/SLOPE	1.131	COEF/SLOPE	1.143
Expected (reference) Value	376.9	Expected (reference) Value	381.3

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	EY0002518	HIGH ID	n/a
CONC (ppm):	25.10	EXPIRY DATE	n/a
CYLINDER (psi):	1500	LOW ID	n/a
EXPIRY DATE	14-Feb-2028	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	390	190	95
RANGE	300 - 400	150 - 200	50 - 100

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

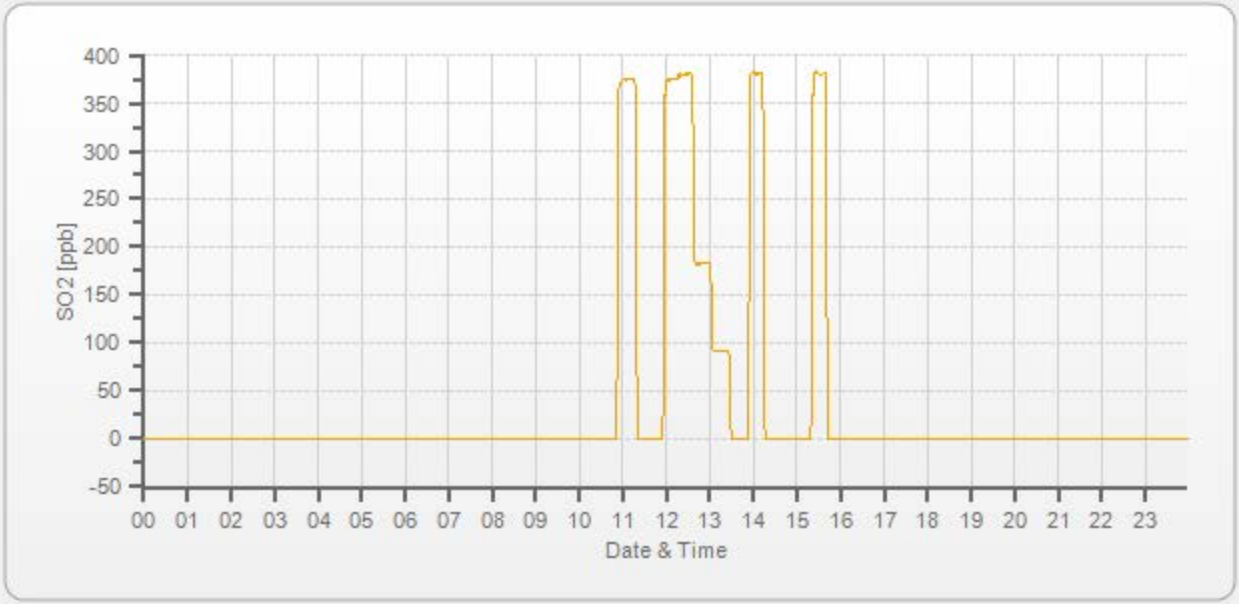
FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.1	0		
3939	60.60	4000	380.27	374.9	380.5	1.015	0.999
3970	28.70	3999	180.14	n/a	183.8	n/a	0.980
3984	14.40	3998	90.41	n/a	91.6	n/a	0.987

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.2%

COMMENTS:

Sample filter changed


SO2[ppb] Station: Peace River Complex [PRC] Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]
400
350
300
250
200
150
100
50
0
-50
SO2 [ppb]
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
Date & Time
SO2 [ppb]

H2S Analyzer Calibration by Dilution

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	11-Dec-2024
PARAMETER:	H2S	PREVIOUS CORRECTION FACTOR:	0.999
CLIENT:	PRAMP	TEMPERATURE (°C):	24.8
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	940
PURPOSE	Routine	START TIME (MST):	10:23
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:17

ANALYZER:

MAKE/MODEL	Teledyne T100	RANGE	100 ppb
SERIAL #	1014	FLOW (mL/min)	498
INITIAL		FINAL	
BKG/OFFSET	8.425	BKG/OFFSET	8.46
COEF/SLOPE	1.804	COEF/SLOPE	1.801
Expected (reference) Value	67.4	Expected (reference) Value	66.8

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	-0.2	0		
3969	30.90	4000	77.95	78.2	78.1	0.994	0.998
3984	15.10	3999	38.10	n/a	38.4	n/a	0.992
3991	7.50	3998	18.93	n/a	18.5	n/a	1.023

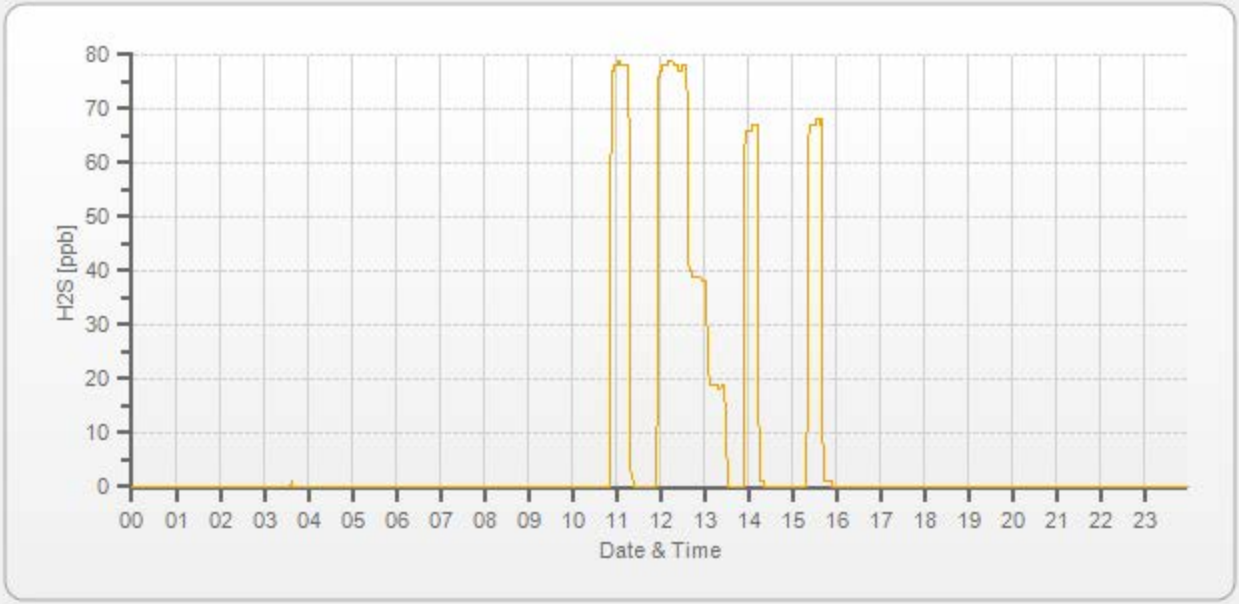
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.004	-0.1%

COMMENTS:

Actual Model = Teledyne T101 (BV analyzer)

H2S[ppb] Station: Peace River Complex [PRC] Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]



TRS Analyzer Calibration by Dilution

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	10-Dec-2024
PARAMETER:	TRS	PREVIOUS CORRECTION FACTOR:	0.993
CLIENT:	PRAMP	TEMPERATURE (°C):	24.8
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	940
PURPOSE	Routine	START TIME (MST):	10:22
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:17

ANALYZER:

MAKE/MODEL	Thermo 450i	RANGE	100	ppb
SERIAL #	1034746224	FLOW (mL/min)	683	
INITIAL		FINAL		
BKG/OFFSET	31	BKG/OFFSET	31.6	
COEF/SLOPE	1.098	COEF/SLOPE	1.101	
Expected (reference) Value	44.62	Expected (reference) Value	41.06	

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:	
MAKE:	Sabio	MAKE:	Teledyne
MODEL:	2010	MODEL:	T701
ID:	58100720	ID:	80
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a
CALIBRATION GAS:		FLOWMETERS (if applicable):	
CYLINDER ID:	LL131374	HIGH ID	n/a
CONC (ppm):	10.09	EXPIRY DATE	n/a
CYLINDER (psi):	600	LOW ID	n/a
EXPIRY DATE	03-Jan-2026	EXPIRY DATE	n/a

CALIBRATION PARAMETERS:

POINT	HIGH	MID	LOW
TARGET	78	38	19
RANGE	60 - 80	30 - 40	10 - 20

SCRUBBER CHECK (15 MINS; TRS/H2S ONLY):

START TIME:	n/a	SO2 Conc (ppb)	n/a
END TIME:	n/a	Analyzer Response (ppb)	n/a

CALIBRATION:

FLOW RATES (mL/min)			CONCENTRATION (ppb)			CORRECTION FACTOR	
			ACTUAL	INDICATED		Initial	Final
DILUENT	GAS	TOTAL		Initial	Final		
4001		4001	0.00	0.4	0		
3969	30.90	4000	77.95	78.06	78.11	1.004	0.998
3984	15.10	3999	38.10	n/a	38.46	n/a	0.991
3991	7.50	3998	18.93	n/a	19.43	n/a	0.974

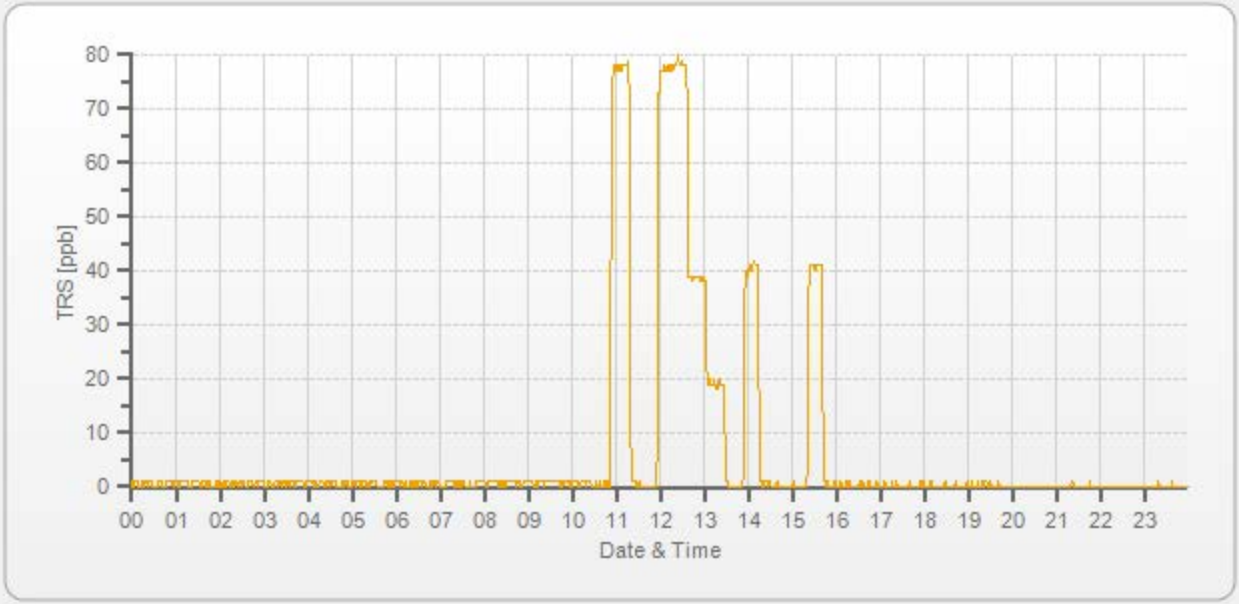
LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
VALUE	1.000	1.000	0.2%

COMMENTS:

Sample filter changed

TRS[ppb] Station: Peace River Complex [PRC] Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]



Methane/Non-Methane Analyzer Calibration by Dilution

CALIBRATION:

DATE:	23-Jan-2025	PREVIOUS CALIBRATION DATE:	10-Dec-2024
CLIENT:	PRAMP	TEMPERATURE (°C):	24.8
LOCATION:	Peace River Compliance	BAROMETRIC (mBar):	940
PURPOSE	Routine	START TIME (MST):	10:23
PERFORMED BY:	Kevin Sebastian	END TIME (MST):	14:05

ANALYZER:

VALUE	MAKE/MODEL	SERIAL	FLOW (mL/min)
	Thermo 55i	1034745845	1067
PARAMETER:	CH4	NMHC	THC
RANGE (ppm):	20	20	40
PREVIOUS CF:	0.998	0.998	0.998

CALIBRATION SYSTEM:

CALIBRATOR:		ZERO AIR:		CALIBRATION GAS:			FLOWMETERS (if applicable):	
MAKE:	SABIO	MAKE:	Teledyne	CYLINDER ID:	LL68768		HIGH ID:	n/a
MODEL:	2010	MODEL:	T701	CH_4/C_3H_8 (ppm):	897.0	301.0	HIGH EXPIRY:	n/a
ID:	58100720	ID:	80	CYLINDER (psi):	400		LOW ID:	n/a
MFC CALIBRATION DATE:	16-Sep-2024	OXIDIZER ID:	n/a	EXPIRY DATE	08-Nov-2029		LOW EXPIRY:	n/a

CALIBRATION PARAMETERS:

POINT (CH4/NMHC)	HIGH	MID	LOW	CH4 EQUIVILANCE		Zero Chrom	
TARGET	14	7	3.5	C_3H_8 as CH_4	827.75	Use Zero Chrom?	No
RANGE	12 - 16	6 - 8	2 - 4	THC as CH_4	1724.75	New Zero Chrom?	No

EXPECTED (REFERENCE) VALUE:

INITIAL	CH4	NMHC	THC	FINAL	CH4	NMHC	THC
	10.17	11.06	21.23		10.15	10.95	21.10

CALIBRATION:

FLOW RATE (mL/min)			CONCENTRATION (PPM)									CORRECTION FACTOR (CF.)					
			CALCULATED			INITIAL INDICATED			FINAL INDICATED			INITIAL			FINAL		
DILUENT	GAS	TOTAL	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC	CH4	NMHC	THC
3499		3499	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
3443	56.80	3500	14.56	13.43	27.99	14.35	13.28	27.62	14.62	13.36	27.99	1.014	1.012	1.013	0.996	1.005	1.000
3471	28.40	3499	7.28	6.72	14.00	n/a	n/a	n/a	7.32	6.69	14.01	n/a	n/a	n/a	0.995	1.004	0.999
3486	14.20	3500	3.64	3.36	7.00	n/a	n/a	n/a	3.66	3.33	6.99	n/a	n/a	n/a	0.994	1.008	1.001

LINEAR REGRESSION ANALYSIS:

	CORRELATION	SLOPE	INTERCEPT
CH4	1.000	1.004	0.0%
NMHC	1.000	0.995	0.0%
THC	1.000	1.000	0.0%

Comments:

Sample Filter Changed

Station: Peace River Complex [PRC] Daily: 2025-01-23 Type: AVG 1 Min. [1 Min.]



Meteorological System Checklist

Date:	January 23, 2025		
Technician:	Kevin Sebastian		
Station:	Peace River Compliance		
Unit:	**Make:**	**Model:**	**Serial #:**
Temperature Sensor:	Rotronic	HC2-S3	20558318
Barometric Pressure Sensor:	MetOne	092	B19577
Relative Humidity Sensor:	Rotronic	HC2-S3	20558318
Anemometer:	RM Young	05305VK	129612

AMBIENT TEMPERATURE SENSOR CHECK

Previous check date:	December 11, 2024
Parameter:	Temperature @ 2 metres
Reference Thermometer ID:	F.S. 181341226 expires July 17, 2024
Reference Temperature (^{o}C):	2.1
Station - Ambient Temperature (^{o}C):	2.3
Temperature Difference (^{o}C):	-0.2

BAROMETRIC PRESSURE SENSOR CHECK

Previous check date:	December 11, 2024	
Reference Barometer ID:	Brunton 05535 Expires July 17, 2024	
Reference Pressure - Units/Reading:	millibar	939
Station Pressure - Units/Reading:	millibar	941
Pressure Tolerance +/- 15% of error:	798 - 1080	-0.21%

RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK

Previous check date:	December 11, 2024	
Reference Hygrometer ID:	F.S. 181341226 expires July 17, 2024	
Reference Hygrometer % RH- Reading:	61.80	
Station Hygrometer % RH- Reading:	64.40	
RH Tolerance +/- 15% of difference:	52.53 - 71.07	-4.2%

ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK

WIND SPEED		WIND DIRECTION	
Previous check date:	December 11, 2024	Previous check date:	December 11, 2024
Wind Speed Observed (kph):	10~20	Wind Direction Observed:	SW
Wind speed on Data Logger (kph):	18.7	Wind Direction on Data Logger:	SW
		Wind Direction Pass/Fail?:	Pass

Comments

No issues.

Meteorological Sensor Audit/Calibration

Location Information

Company:	PRAMP	**Performed By:**	Chris Wesson
Audit Location:	PRC Compliance	**Reviewed By:**	Limin Li
Audit Date:	September 10, 2024	**Start/End Time (mst):**	08:15 - 10:37
Calibration Purpose:	routine annual	**Weather Conditions:**	Sunny

Wind Sensor Information

Sensor ID Data:		**Sensor Outputs:**	
Sensor Make:	RM Young	**Velocity Voltage Output Range:**	0-1
Sensor Model:	05305VK	**Velocity Unit Output Range:**	0-200
Serial #:	129612	**Direction Voltage Output Range:**	0-1
Previous Cal/Audit Date:	August 3, 2024	**Direction Unit Output Range:**	0-360

Wind Calibrator Information

Calibrator I.D. and Expiry Date: RM Young 18802 id# R9133 expires Oct 18, 2024

Wind Speed Audit Data **+/- 2% of the average correction factor is the limit**

RPM	Wind Speed Generated kph	Clockwise Wind Speed kph	Counter Clockwise Wind Speed kph	Correction Factor
0	0	0.1	0.1	-
1000	18.4	18.4	18.5	0.999
2000	36.9	36.9	37.0	0.998
3000	55.3	55.4	55.4	0.998
4000	73.7	73.9	73.8	0.998
5000	92.2	92.4	92.2	0.998
6000	110.6	110.9	110.9	0.997
7000	129.0	129.4	129.5	0.997
8000	147.4	148.1	147.9	0.996
9000	165.9	166.7	166.7	0.995
10000	184.3	185.4	185.4	0.994
		The audit meets AMD requirements.	**Average Correction Factor=**	**0.997**

Wind Direction Audit Data **+/- 3° of the absolute average degrees difference for all points is the limit**

Generated Wind Direction 0-360 (Up)	Generated Wind Direction 360-0 (Down)	Indicated Wind Direction 0-360 (Up)	Indicated Wind Direction 360-0 (Down)	Degrees Difference 0-360 (Up)	Degrees Difference 360-0 (Down)	Average Absolute Degrees Difference
0	355	1	354	1.0	1.0	1.0
30	330	31	329	-1.0	1.0	1.0
60	300	62	300	-2.0	0.0	1.0
90	270	93	270	-3.0	0.0	1.5
120	240	122	242	-2.0	-2.0	2.0
150	210	152	213	-2.0	-3.0	2.5
180	180	183	182	-3.0	-2.0	2.5
210	150	212	152	-2.0	-2.0	2.0
240	120	241	122	-1.0	-2.0	1.5
270	90	270	91	0.0	-1.0	0.5
300	60	300	61	0.0	-1.0	0.5
330	30	329	30	1.0	0.0	0.5
355	0	353	2	2.0	2.0	2.0
The audit meets AMD requirements.			**Average Absolute Degrees Difference=**			**1.4**

Comments:

Declination = 15 deg East
Physical inspection completed, bearings replaced

END OF REPORT

List of SOPs

MONITOR	SOP
SULPHUR DIOXIDE (SO_2)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
HYDROGEN SULPHIDE (H_2S)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL REDUCED SULPHUR (TRS)	Bureau Veritas EMS SOP-00209: Ambient Sulphur Monitoring
TOTAL HYDROCARBONS (THC), METHANE (CH4), NON-METHANE(NMHC)	Bureau Veritas EMS SOP-00001: Methane, Non-Methane Hydrocarbon Analyzer Monitoring
OXIDES OF NITROGEN (NOx), NITRIC OXIDE (NO) & NITROGEN DIOXIDE (NO_2)	Bureau Veritas EMS SOP-00213: Ambient NO/NO_2/NOx Monitoring
OZONE (O3)	Bureau Veritas EMS SOP-00212: Ambient O3 Monitoring
PARTICULATE MATTER < 2.5 MICRONS ($PM_{2.5}$)	Bureau Veritas EMS SOP-00015: Teledyne API PM Monitor Model T640
WIND SPEED (WS) & WIND DIRECTION (WD)	Bureau Veritas EMS SOP-00013: RM Young Wind Monitor Calibration

Peace River Area Monitoring Program

FEBRUARY 2025

Monthly Ambient Air Quality Monitoring Integrated Sampling Report

PRAMP-202502-INTEGRATED

March 18, 2025

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Peace River Area Monitoring Program
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Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

March 18, 2025

Alberta Environment and Protected Areas (EPA)
11th Floor, Oxbridge Place
9820 106 Street
Edmonton, AB, T5K 2J6

RE: PRAMP – February 2025 Monthly Ambient Air Quality Monitoring Integrated Sampling Report

Enclosed is the February 2025 Monthly Ambient Air Quality Monitoring Integrated Sampling Report for the Peace River Area Monitoring Program's (PRAMP) regional air quality monitoring network. This report summarizes monitoring data for samples collected using integrated methods, including volatile organic compounds (NMHC canister sampling program), hydrogen sulphide, and sulphur dioxide (passive sampling program).

The representative of the Person Responsible for this monitoring program is

PRAMP Airshed
Michael Bisaga / Lily Lin, Technical Program Managers
Suite 91, 305 – 4625 Varsity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca

This report has been prepared, reviewed and submitted by Michael Bisaga & Lily Lin of the PRAMP Airshed. This report is also submitted on behalf of the industrial member companies to satisfy the requirements of the facility Operating Approvals.

NETWORK STATION SUMMARY

Listing of Integrated Sampling Stations

- 986-C Station
- 842-B Station
- Reno-B Station
- Peace River Complex (PRC) Station

Station Name	986-C	842-B	Reno-B	PRC
Station ID	1562	1561	1563	1698
Coordinates	56.36980, -116.92500	56.27406, -116.98129	55.86936, -117.05739	56.38257, -116.769283
NMHC Canister (VOCs)	√	√	√	
Passives: 2-Month exposure (PACs)	√			
Passives: 1-Month Exposure (H_2S, SO_2)				√

Listing of Passives: 1-Month Exposure Sampling Sites

Site ID	Latitude	Longitude
1	56.377841	-116.787142
2	56.378638	-116.780496
3	56.382958	-116.783813
4	56.377044	-116.794220
7	56.384796	-116.780488
8	56.388710	-116.771234
9	56.388943	-116.756205
10	56.388642	-116.797817
11	56.383771	-116.841165
12	56.388962	-116.885263
13	56.390972	-116.822083
14	56.424825	-116.853181
15	56.38257	-116.769283

List of Contractors who performed the air monitoring activities

Sampling Program	Monitoring Activities Conducted By	Sample Analysis Conducted By	Data/Report Prepared By	Electronic Submission Conducted By
NMHC Canister (VOCs)	Bureau Veritas	InnoTech Alberta Inc	PRAMP	PRAMP
Passives: PACs	PRAMP	ECCC	EPA	EPA
Passives: H_2S, SO_2	PRAMP	Bureau Veritas	PRAMP	PRAMP

Monitoring Notes during the Month of February 2025

- **NMHC Canister Sampling Program - Volatile Organic Compounds (VOCs)**
  - The canister sampling program collects a 1-hour sample of air when the continuously measured non-methane hydrocarbon (NMHC) concentration reaches a specified trigger point. The current trigger point is 0.3 ppm for non-methane hydrocarbons. The trigger point is based on real-time monitoring data that are averaged over a 5-minute period.
  - No valid NMHC canister events were recorded this month.

- **Passive Polycyclic Aromatic Compounds (PACs) Sampling Program**
  - The PAC sampling program began in December 2019, and is designed to collect a 2-month integrated sample.
  - The sample media for sampling period of January and February 2025 were installed on December 31, 2024. They were removed on February 28, 2025.
  - The sample media for sampling period of March and April 2025 were installed on February 28. They are scheduled to be removed by the end of April.

- **Passives H_2S and SO_2 Sampling Program**
  - There were no exceedances of the AAAQOs for all monitored parameters at any of the passive stations during this month.
  - The passive sample filters were installed at the stations on January 31, and were removed on March 3.

Revisions to Alberta's Ambient Air Quality Data Warehouse

No revisions to historical data previously submitted to the Alberta's Ambient Air Quality Data Warehouse were made this month.

Deviations from Authorized Monitoring Methods

There were no deviations from authorized monitoring methods.

Certification

The report was prepared and submitted by Lily Lin in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).



Lily Lin, Technical Program Manager, PRAMP Airshed

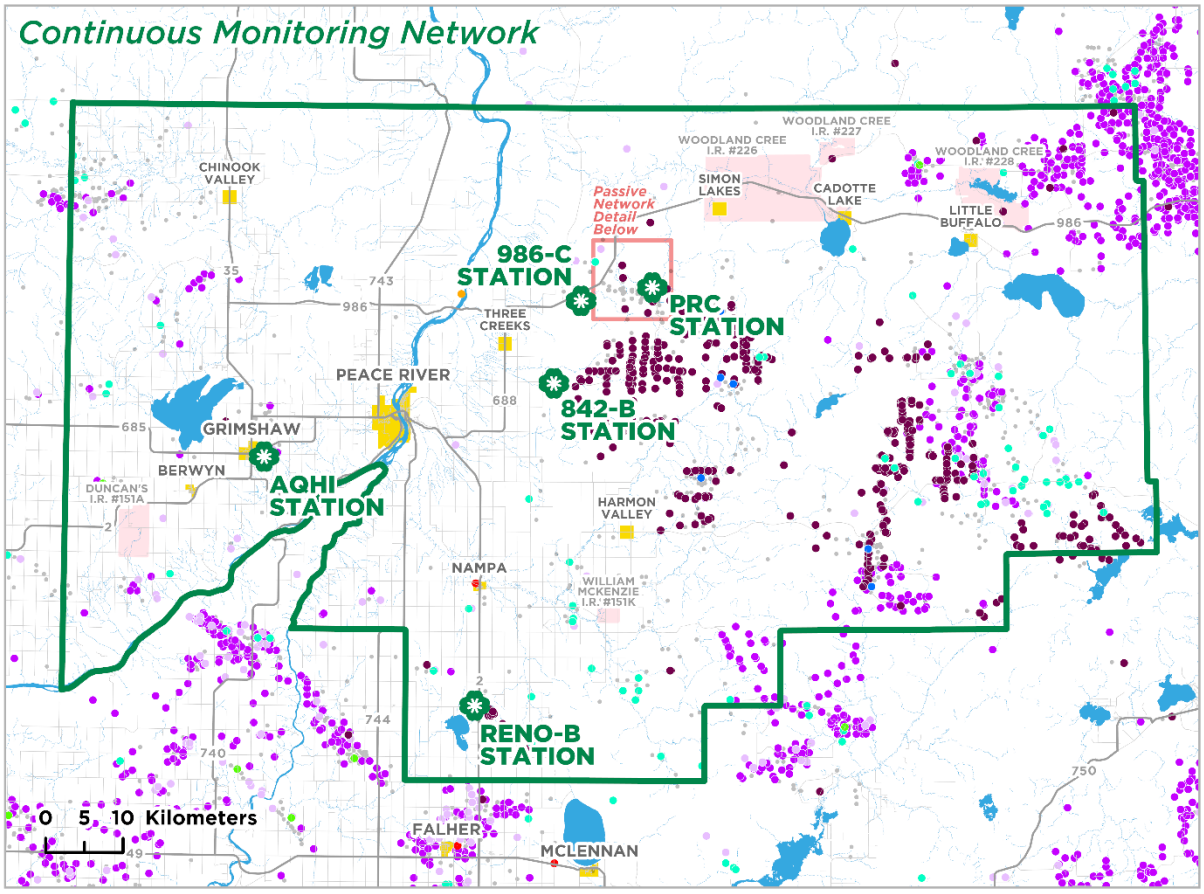
The report was reviewed by Mike Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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. I also certify that at the time of this report's submission, all air data have been electronically uploaded to Alberta ETS as required by the AMD.



Michael Bisaga, Technical Program Manager, PRAMP Airshed
February 14, 2025

Map of PRAMP Continuous Monitoring and Integrated Sampling Network

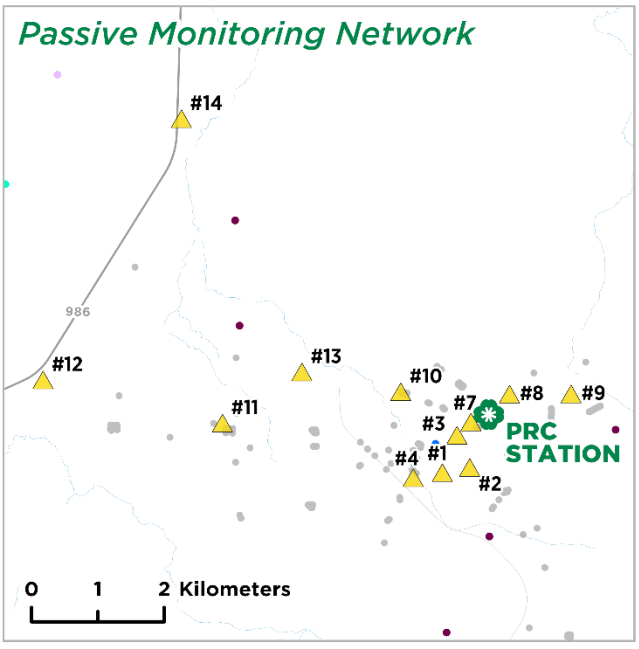


Legend

- PRAMP Boundary
- Populated Place
- First Nation
- Continuous Monitoring Station
- Passive Monitoring Station

Industrial Facilities

- In-Situ Oil Sands
- Heavy Oil/Bitumen Well or Battery
- Conventional Oil Well or Battery
- Natural Gas Well or Battery
- Gas Plant or Gas Processing
- Compressor Station or Pipeline
- Agricultural Storage and Transfer
- Pulp and Paper
- Well (Not Associated with Batteries)



Service Layer Credits: Esri, CGIAR, USGS, Esri, USGS

INTEGRATED SAMPLING RESULTS SUMMARY

- **NMHC analytical results**

  No valid canister events were recorded this month.

- **Passive analytical results**

	H_2S		SO_2	
Minimum (ppb)	0.06	#2	0.2	#11
Maximum (ppb)	0.26	#10	0.5	#1
Average (ppb)	0.13	-	0.42	-

ANALYTICAL SAMPLING RESULTS

Passives

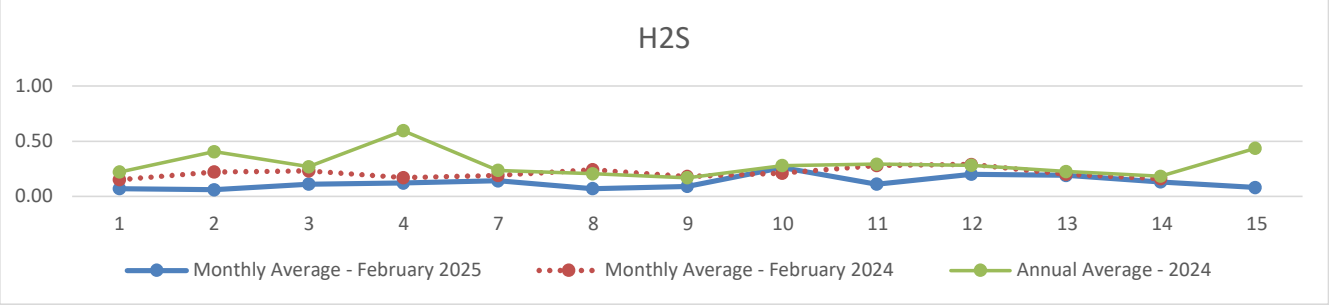
PEACE RIVER AREA MONITORING PROGRAM

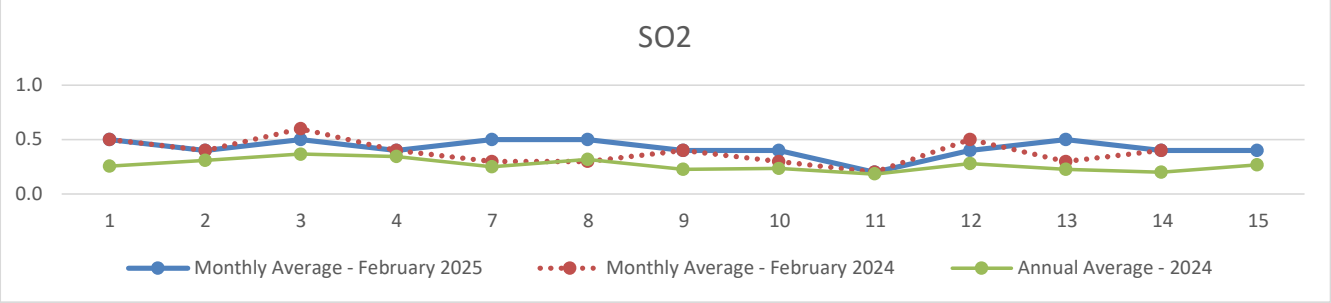
PRC Site - February 2025

Passive Results

	H_2S		SO_2	
Minimum (ppb)	0.06	#2	0.2	#11
Maximum (ppb)	0.26	#10	0.5	#1
Average (ppb)	0.13	-	0.42	-

No.	Calculated Value	Calculated Value
1	0.07	0.5
2	0.06	0.4
3	0.11	0.5
4	0.12	0.4
7	0.14	0.5
8	0.07	0.5
9	0.09	0.4
10	0.26	0.4
11	0.11	0.2
12	0.20	0.4
13	0.19	0.5
14	0.13	0.4
15	0.08	0.4
Reportable Detection Limit (RDL)	**0.02**	**0.1**





End of Report

Peace River Area Monitoring Program

JANUARY 2025

Ambient Air Monitoring

Certified Laboratory Analysis Report

LAB-PRAMP-202501

Operation and Maintenance:
Bureau Veritas Canada

Data Validation and Report:
Peace River Area Monitoring Program

February 14, 2025

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Passive Sampling Analytical Results

6744 - 50 St. Edmonton AB Canada T6B 3M9

Ph (780) 378-8500, Toll free (800) 386-7247, Fax (780) 378-8699

Bureau Veritas Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Page ___ of ___

Invoice To	
Company Name	Peace River Area Monitoring
Contact Name	Brenda Barber / Karla Reesor
Address	Suite 91, 305-4625 Varsity Drive NW
City/Postal Code	Calgary, T3A 0Z9
Phone/Fax#	##

Report To
Name & Email Address
Michael and Lily
pramptech@prampairshed.ca

Service Requested
☐ RUSH
(Please contact for TAT)
☐ REGULAR

Company Name
Peace River
Project Name/LSD
Passive monitoring Program

ANALYTICAL INFORMATION

Analysis Required

Sample ID or Location (LSD)	Sample Start Date (DD/MM/YY)	Time (24 hrs) (HH:MM)	Sample End Date (DD/MM/YY)	Time (HH:MM)	Volume (m3) *PM/TSP Only*	SO2	H2S	NO2	O3	NH3	PM2.5	PM10	TSP	Dustfall				
1	31/12/24	07:00	31/01/25	8:00 Am		X	X											
2						X	X											
3						X	X											
4						X	X											
7						X	X											
8						X	X											
9						X	X											
10						X	X											
11						X	X											
12						X	X											
13						X	X											
14						X	X											
15		11:00		11:00 Am		X	X											
Blank						X	X											
Blank						X	X											

Notes/Comments: Client 12521 / Scenario 18009

Sampled By Bo Guerin **Phone/Email** ___ **Received By** ___ **Date/Time** 31/12/24 **Project #** 15SO2 / 15H2S

Date Shipped ___ **Signature** ___ **PO#** ___

25-02-06
08:00

PTC FCD-00457/4

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions.

Your Project #: 2024/12/31-2025/01/31
Site Location: PEACE RIVER COMPLEX

Attention: Michael and Lily

Peace River Area Monitoring Program Committee
Three Creeks
Suite 91, 305 –
4625 Varsity Drive NW
Calgary, AB
CANADA T3A0Z9

Report Date: 2025/02/18
Report #: R3623295
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C512882
Received: 2025/02/06, 08:00

Sample Matrix: Air
Samples Received: 13

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
H2S Passive Analysis	13	2025/02/07	2025/02/14	PTC SOP-00150	Passive H2S in ATM
SO2 Passive Analysis	13	2025/02/10	2025/02/14	PTC SOP-00149	Passive SO2 in ATM

This report shall not be reproduced except in full, without the written approval of the laboratory.
Results relate only to the items tested.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key



Rowena Geron
Customer Service Associate
18 Feb 2025 10:50:15

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

==========

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Bureau Veritas Edmonton: 6744 - 50th Street, T6B 3N7 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C512882
Report Date: 2025/02/18

Peace River Area Monitoring Program Committee
Client Project #: 2024/12/31-2025/01/31
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		DEI173	DEI174	DEI175	DEI176	DEI177	DEI178	DEI179		
Sampling Date		2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00		
	UNITS	1	2	3	4	7	8	9	RDL	QC Batch
Passive Monitoring										
Calculated H2S	ppb	0.08	0.31	0.14	0.13	0.12	0.15	0.12	0.02	B684240
Calculated SO2	ppb	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	B685323
RDL = Reportable Detection Limit										

Bureau Veritas ID		DEI180	DEI181	DEI182	DEI183	DEI184	DEI185		
Sampling Date		2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 07:00	2024/12/31 11:00		
	UNITS	10	11	12	13	14	15	RDL	QC Batch
Passive Monitoring									
Calculated H2S	ppb	0.32	0.08	0.08	0.12	0.08	0.07	0.02	B684240
Calculated SO2	ppb	0.2	0.1	0.2	0.3	0.1	0.3	0.1	B685323
RDL = Reportable Detection Limit									

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3V9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C512882
Report Date: 2025/02/18

Peace River Area Monitoring Program Committee
Client Project #: 2024/12/31-2025/01/31
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
B684240	YYA	Spiked Blank	Calculated H2S			101	%	90 - 110
B685323	SS6	Spiked Blank	Calculated SO2			99	%	90 - 110
B685323	SS6	Method Blank	Calculated SO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Job #: C512882
Report Date: 2025/02/18

Peace River Area Monitoring Program Committee
Client Project #: 2024/12/31-2025/01/31
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Carmen Toker, CT, Manager Air Laboratory Services

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Branko Banjac, General Manager responsible for Alberta Petroleum laboratory operations.

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End of Report