**Peace River Area Monitoring Program**

# JULY 2025

## Monthly Ambient Air Quality Monitoring Report

## PRAMP-202507

**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Peace River Area Monitoring Program

August 17, 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 Hydrocarbon |
| 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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**August 17, 2025**

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**RE: PRAMP – July 2025 Monthly Ambient Air Quality Monitoring Report**

Enclosed is the July 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 July 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 July 2025

### 986-C Station

- **AT/RH**: On July 24, the Rotronic HC2A-S3 sensor, s/n: 20626912, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20370767, was installed afterwards.

### 842-B Station

- No major operational issues were identified this month.

### Reno-B Station

- **AT/RH**: On July 22, the Rotronic HC2A-S3 sensor, s/n: 20467597, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20357528, was installed afterwards**.**

### PRC Station

- No major operational issues were identified this month.

### AQHI – Grimshaw Station

- **TRS**: The Thermo 43iQ-TL analyzer, s/n: 12409233394, failed on July 9. The replacement Teledyne T100U analyzer, a/n: 132, was installed and calibrated on July 10. Twenty-two hours of downtime were recorded.
- **NOx/NO/NO2**: The Teledyne T200 analyzer, s/n: 837, was removed following a successful shut-down calibration on July 15. The Thermo 42iQ analyzer, s/n: 12409233392, was installed and calibrated on July 16. Nineteen hours of downtime were recorded due to this event.

## Exceedances of the AAAQOs and AAAQGs during the Month of July 2025

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) and /or Alberta Ambient Air Quality Guidelines (AAAQGs) where applicable, except both Reno and PRC stations TRS.

- Two 30-minute TRS exceedances were recorded at the Reno Station in July.

| Date | Time (MST) | Average Period | AAAQG (ppb) | Concentration (ppb) | Wind speed (km/hr) | Wind Direction | Reference # |
|---|---|---|---|---|---|---|---|
| Jul 31 | 02:00 | 30-Min | 5 | 5.69 | 13.1 | 120° | n/a |
| Jul 31 | 02:30 | 30-Min | 5 | 6.97 | 13.3 | 120° | n/a |

- One 30-minute TRS exceedance was recorded at the PRC Station in July.

| Date | Time (MST) | Average Period | AAAQG (ppb) | Concentration (ppb) | Wind speed (km/hr) | Wind Direction | Reference # |
|---|---|---|---|---|---|---|---|
| Jul 19 | 05:00 | 30-Min | 5 | 7 | 4.3 | 80° | n/a |

## Non-compliance Events during the Month of July 2025

- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.

## 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 system triggered at the Reno-B Station on July 28 was not valid due to station HVAC maintenance activities.

## 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

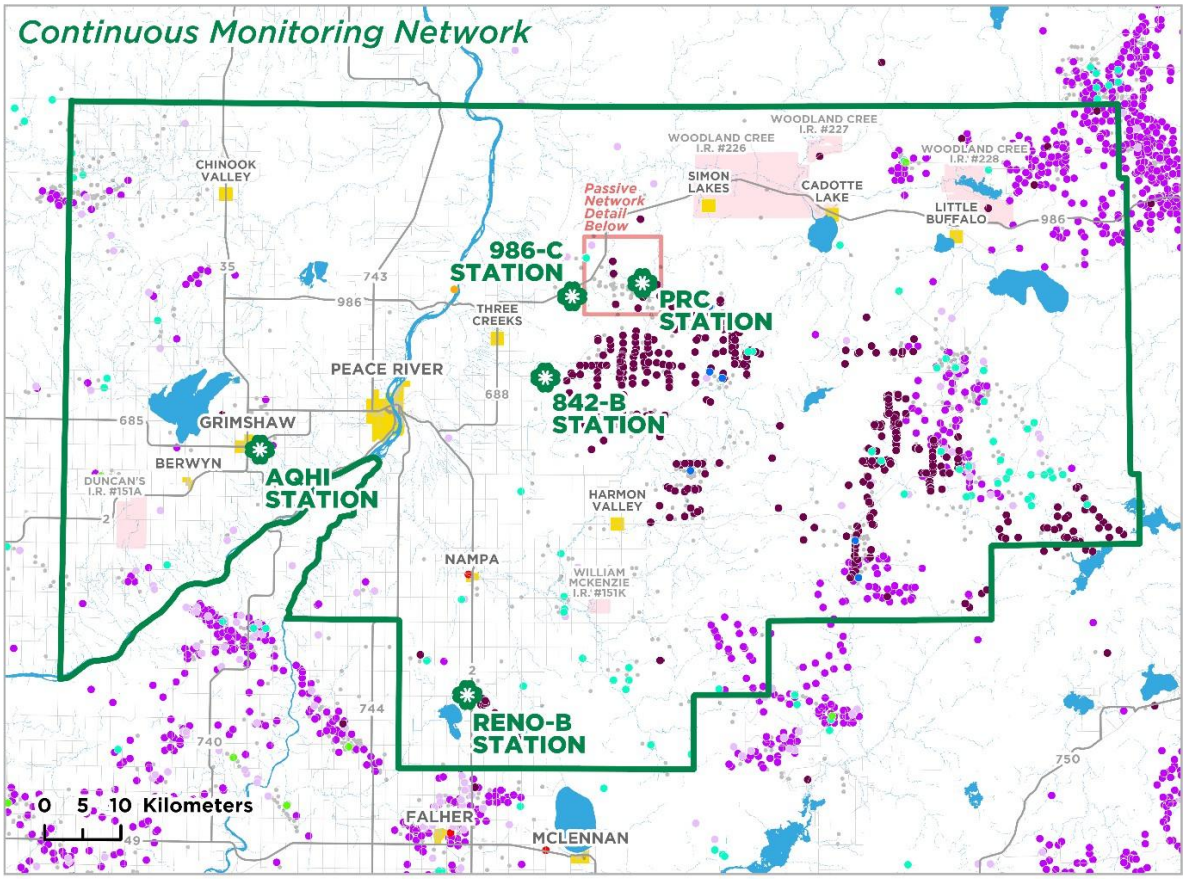
This report was reviewed by Michael Bisaga in accordance with Chapter 9 of the Air Monitoring Directive (AMD 2016).

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

August 17, 2025

## Map of PRAMP Continuous Monitoring Network



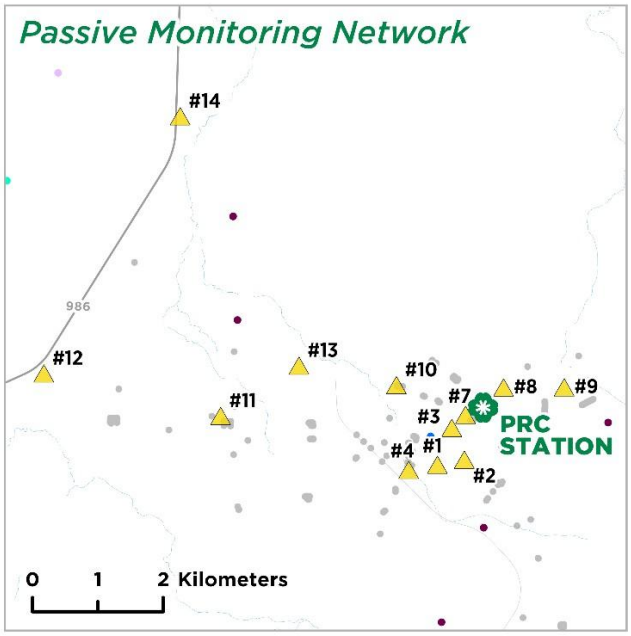

## Legend

- 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**<br><br>Thermo 43iQ-TL<br>#1193585646 | July 24, 2025 | • No operational issues were recorded this month. |
| **TRS**<br><br>Thermo 43i-TLE<br>#1152940011<br><br>TRS convertor<br>CD Nova CDN-101<br>#530 | July 24, 2025 | • No operational issues were recorded this month. |
| **THC/CH4/NMHC**<br><br>Thermo 55i<br>#1191032505<br><br>H2 Generator HG300<br>#191267063<br><br>Zero Air Supply<br>Teledyne T701<br>#468 | July 24, 2025 | • No operational issues were recorded this month. |
| **Parameter** | **Verification Date** | **Equipment Operational Summary** |
| **RH**<br><br>Rotronic HC2-S3<br>#20626912<br>#20370767 | July 24, 2025 | • On July 24, the Rotronic HC2A-S3 sensor, s/n: 20626912, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20370767, was installed afterwards. |
| **BP**<br><br>MetOne 092<br>#Y23358 | July 24, 2025 | • No operational issues were recorded this month. |
| **AT**<br><br>Rotronic HC2-S3<br>#20626912<br>#20370767 | July 24, 2025 | • On July 24, the Rotronic HC2A-S3 sensor, s/n: 20626912, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20370767, was installed afterwards. |

| Parameter | Verification Date | Equipment Operational Summary |
|---|---|---|
| **ST**<br><br>COMET<br>#189619 | July 24, 2025 | • No operational issues were recorded this month. |
| **Precipitation**<br><br>RM Young 52202<br>#TB 16325 | July 24, 2025 | • No operational issues were recorded this month. |
| **WS/ WD**<br><br>RM Young 05305AQ<br>#180340 | July 24, 2025 | • Wind direction data contained in this report represents where the wind is coming from.<br>• The last annual wind system calibration was completed on August 22, 2024.<br>• 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 | 0.0 | 0 | 1 | Jul 1 at hr 19 | 9.3 | SSW | 0.2 | Jul 17 | 100.0 | 95.1 |
| TRS (ppb) | - | - | - | - | - | - | 0.56 | 0.12 | 1.99 | Jul 28 at hr 5 | 5.5 | E | 0.74 | Jul 28 | 100.0 | 95.1 |
| THC (ppm) | - | - | - | - | - | - | 2.00 | 1.91 | 2.20 | Jul 19 at hr 7 | 4.4 | ESE | 2.06 | Jul 17 | 100.0 | 95.1 |
| CH4 (ppm) | - | - | - | - | - | - | 2.00 | 1.91 | 2.20 | Jul 19 at hr 7 | 4.4 | ESE | 2.06 | Jul 17 | 100.0 | 95.1 |
| NMHC (ppm) | - | - | - | - | - | - | 0.00 | 0.00 | 0.00 | Jul 1 at hr 0 | 7.5 | SSW | 0.00 | Jul 1 | 100.0 | 95.1 |
| RH (%) | - | - | - | - | - | - | 61.8 | 20 | 100 | Jul 3 at hr 1 | 8.6 | SSW | 87.9 | Jul 6 | 100.0 | 100.0 |
| BP (millibar) | - | - | - | - | - | - | 942 | 931 | 953 | Jul 14 at hr 21 | 5.6 | E | 951 | Jul 14 | 100.0 | 100.0 |
| Ext. Temp. (°C) | - | - | - | - | - | - | 16.8 | 5.0 | 32.3 | Jul 31 at hr 15 | 6.3 | SSE | 24.8 | Jul 31 | 100.0 | 100.0 |
| Stn. Temp. (°C) | - | - | - | - | - | - | 22.5 | 21.5 | 24.8 | Jul 2 at hr 13 | 8.8 | SW | 23.0 | Jul 25 | 100.0 | 100.0 |
| Precipitation (mm)* | - | - | - | - | - | - | 23.5 | 0.0 | 3.0 | Jul 24 at hr 16 | 17.4 | NW | 7.5 | Jul 25 | 100.0 | 100.0 |
| WSV (km/hr) | - | - | - | - | - | - | 3.9 | 0.5 | 28.4 | Jul 9 at hr 13 | 28.4 | WSW | 18.6 | Jul 11 | 100.0 | 100.0 |
| WDV (sector) | - | - | - | - | - | - | 217 (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

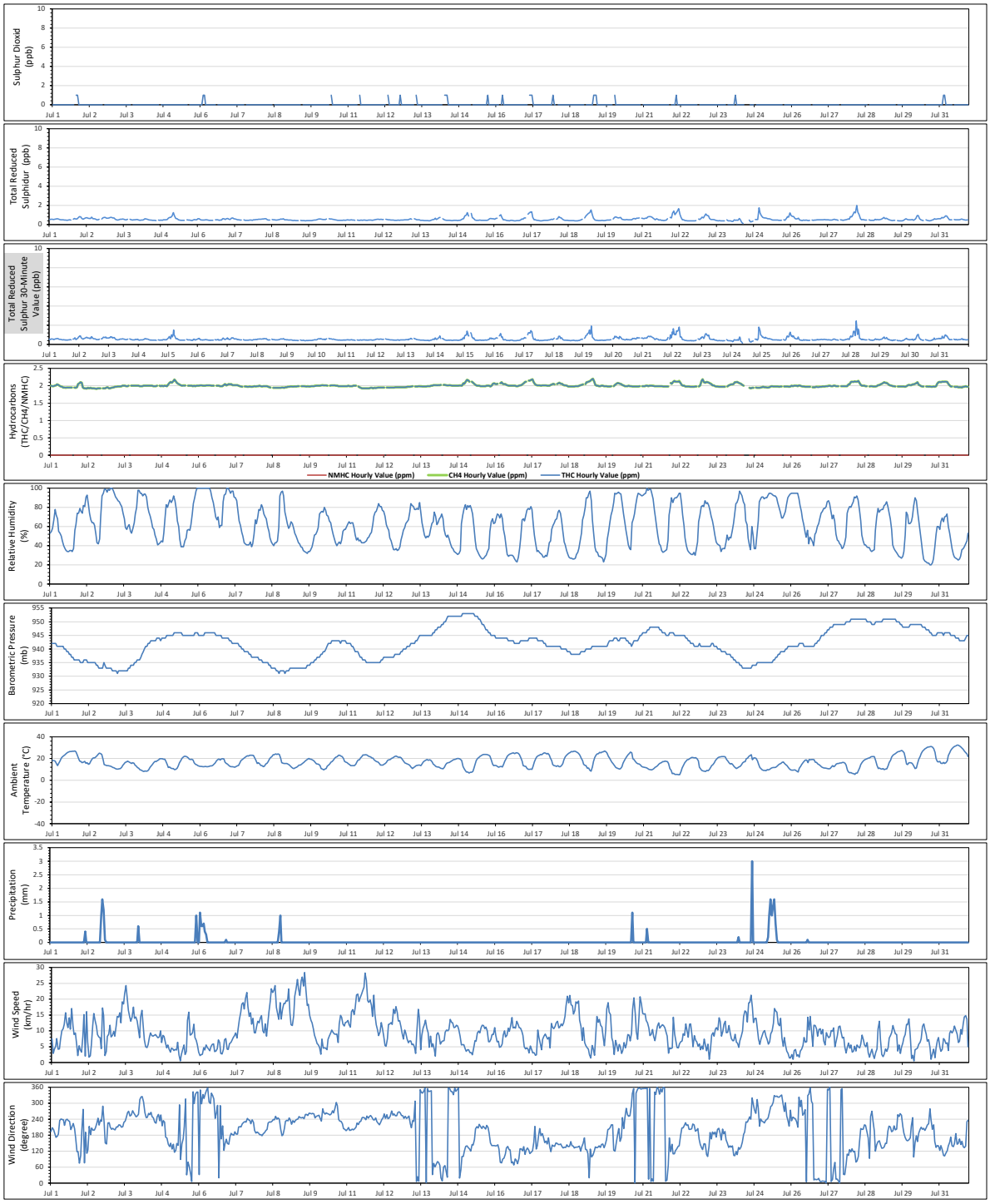
| Parameter | Objectives/Guidelines | Exceedances | Monthly Avg. | Min. 30-min | Max. 30-min | Date/Time | VWS (km/hr) | VWD (sector) | Max. 24-hr | Date | Operational Uptime (%) | Valid Data (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30-min | 30-min | | | | | | | | | | |
| TRS (ppb) | 5 | 0 | 0.56 | 0.13 | 2.45 | Jul 28 at 05:00 | 5.7 | E | 0.74 | Jul 28 | 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 Jul 2025 - 986-C Station***



## 842-B Station

**Equipment Operation Summary**

| Parameter | Calibration Date | Equipment Operational Summary |
|---|---|---|
| **SO2**<br><br>Thermo 43iQ-TL<br>#1200736629 | July 17, 2025 | • No operational issues were recorded this month. |
| **TRS**<br><br>Thermo 43iQ-TL<br>#1200736630<br><br>TRS Convertor<br>CD Nova CDN-101<br>#552 | July 17, 2025 | • No operational issues were recorded this month. |
| **THC/CH4/NMHC**<br><br>Thermo 55i<br>#12208316589<br><br>H2 Generator HG300<br>#190567058<br><br>Zero Air Supply<br>Teledyne T701<br>#1087 | July 17, 2025 | • No operational issues were recorded this month. |
| **Parameter** | **Verification Date** | **Equipment Operational Summary** |
| **RH**<br><br>Rotronic HC2-S3<br>#24010202 | July 17, 2025 | • No operational issues were recorded this month. |
| **AT**<br><br>Rotronic HC2-S3<br>#24010202 | July 17, 2025 | • No operational issues were recorded this month. |
| **BP**<br><br>MetOne 092<br>#Y23362 | July 17, 2025 | • No operational issues were recorded this month. |

| Parameter | Verification Date | Equipment Operational Summary |
|---|---|---|
| **ST**<br><br>COMET<br>#20790297 | July 17, 2025 | • No operational issues were recorded this month. |
| **Precipitation**<br><br>RM Young 52202<br>#TB 15878 | July 17, 2025 | • No operational issues were recorded this month. |
| **WS/ WD**<br><br>RM Young 05305AQ<br>#174802 | July 17, 2025 | • Wind direction data contained in this report represents where the wind is coming from.<br>• The last annual wind system calibration was completed on August 22, 2024.<br>• 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 | Jul 1 at hr 11 | 11.9 | WSW | 0.1 | Jul 1 | 100.0 | 95.0 |
| TRS (ppb) | - | - | - | - | - | - | 0.66 | 0.42 | 1.67 | Jul 22 at hr 6 | 5 | SSE | 0.85 | Jul 1 | 100.0 | 95.0 |
| THC (ppm) | - | - | - | - | - | - | 1.99 | 1.90 | 2.25 | Jul 22 at hr 1 | 1.4 | ENE | 2.09 | Jul 17 | 100.0 | 95.0 |
| CH4 (ppm) | - | - | - | - | - | - | 1.99 | 1.90 | 2.25 | Jul 22 at hr 1 | 1.4 | ENE | 2.09 | Jul 17 | 100.0 | 95.0 |
| NMHC (ppm) | - | - | - | - | - | - | 0.00 | 0.00 | 0.01 | Jul 28 at hr 12 | 7.4 | W | 0.00 | Jul 28 | 100.0 | 95.0 |
| RH (%) | - | - | - | - | - | - | 61.5 | 18 | 99 | Jul 6 at hr 2 | 5.2 | N | 90.4 | Jul 25 | 100.0 | 100.0 |
| BP (millibar) | - | - | - | - | - | - | 941 | 931 | 952 | Jul 14 at hr 16 | 9.3 | NNW | 950 | Jul 14 | 100.0 | 100.0 |
| Ext. Temp. (°C) | - | - | - | - | - | - | 16.8 | 3.6 | 32.1 | Jul 31 at hr 15 | 7.4 | SSE | 24.9 | Jul 31 | 100.0 | 100.0 |
| Stn. Temp. (°C) | - | - | - | - | - | - | 22.6 | 21.0 | 23.9 | Jul 14 at hr 3 | 4.7 | ENE | 23.0 | Jul 2 | 100.0 | 100.0 |
| Precipitation (mm)* | - | - | - | - | - | - | 28.3 | 0.0 | 2.8 | Jul 25 at hr 10 | 10 | NW | 9.6 | Jul 25 | 100.0 | 100.0 |
| WSV (km/hr) | - | - | - | - | - | - | 4.0 | 0.1 | 28.6 | Jul 9 at hr 12 | 28.6 | WSW | 20.0 | Jul 9 | 100.0 | 100.0 |
| WDV (sector) | - | - | - | - | - | - | 230 (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

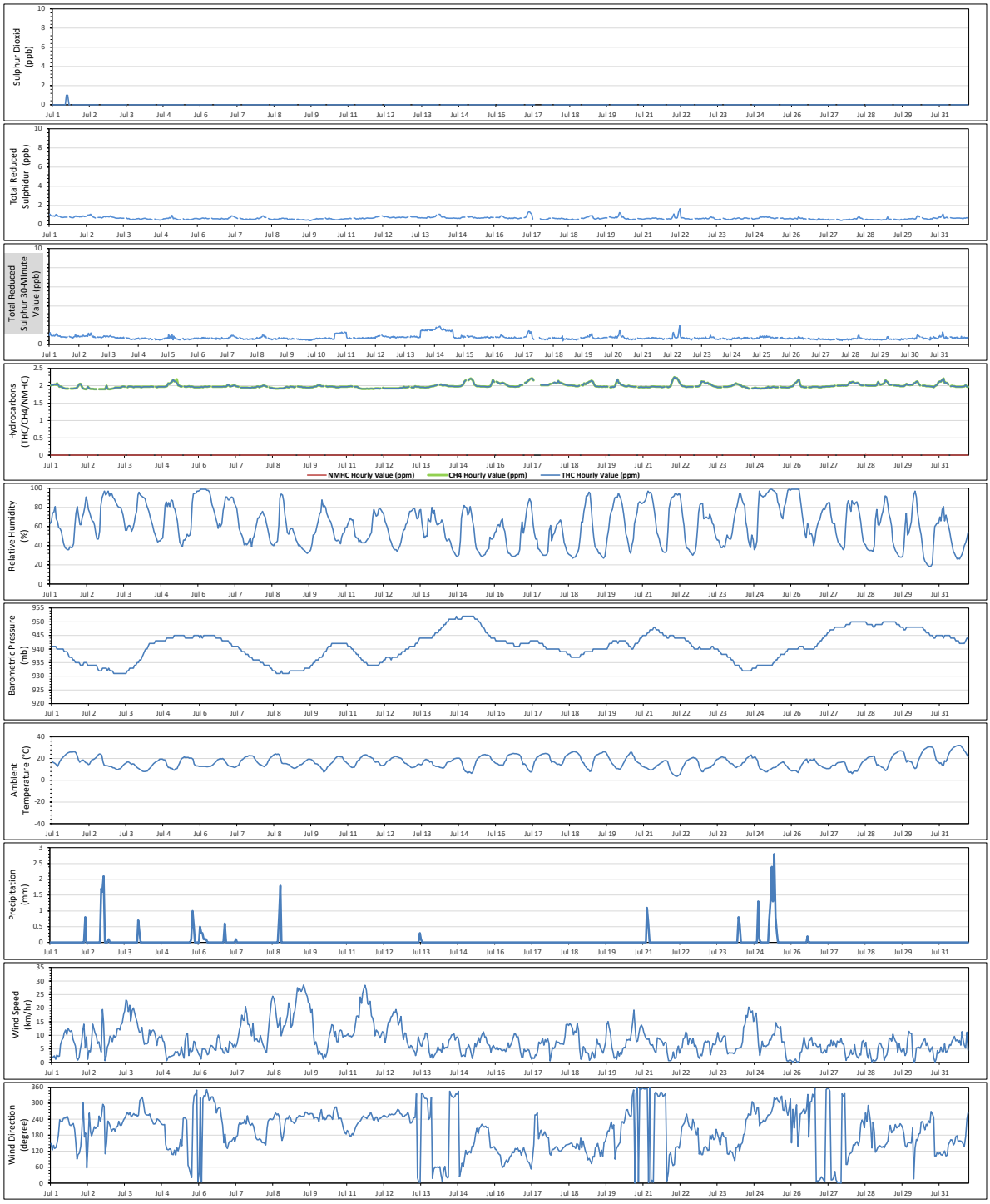
| Parameter | Objectives/Guidelines | Exceedances | Monthly Avg. | Min. 30-min | Max. 30-min | Date/Time | VWS (km/hr) | VWD (sector) | Max. 24-hr | Date | Operational Uptime (%) | Valid Data (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30-min | 30-min | | | | | | | | | | |
| TRS (ppb) | 5 | 0 | 0.70 | 0.37 | 1.93 | Jul 22 at 06:00 | 5.3 | SSE | 1.21 | Jul 14 | 99.9 | 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 Jul 2025 - 842-B Station***



## Reno-B Station

**Equipment Operation Summary**

| Parameter | Calibration Date | Equipment Operational Summary |
|---|---|---|
| **SO2**<br><br>Thermo 43iQTL<br>#12101910505 | July 22, 2025 | • The analyzer failed the daily span checks between July 3 and July 14 due to a depleted permeation tube. A new perm tube was installed following a zero-span check on July 14. One hour of downtime was recorded due to this event.<br>• The daily span drifts were incorrect between July 16 and July 22 while the newly installed permeation tube was stabilizing. The expected value was updated following the monthly calibration on July 22. |
| **TRS**<br><br>Thermo 43iQTL<br>#12101910504<br><br>**TRS Convertor**<br>CD Nova CDN-101<br>#590 | July 22, 2025 | • No operational issues were identified this month. |
| **THC/CH4/NMHC**<br><br>Thermo 55i<br>#1501663728<br><br>H2 Generator HG300<br>#210467069 | July 22, 2025 | • Hourly data collected on July 3 at hour 16 was invalidated as the data quality was affected by a brief power outage.<br>• Hourly data collected on July 21 between hour 12 and hour 15 were invalidated due to low N2 cylinder pressure. A new N2 cylinder was installed on July 21. Four hours of downtime were recorded.<br>• Injection issues were identified starting July 28 and became more prevalent over time. Remote adjustments were attempted on July 31 with minimal success. During the July 31 span check, the analyzer showed a large drift. Although the results remained within the acceptable range, data quality could not be confirmed. As a result, data were invalidated back to the July 31 daily zero-span check. Thirteen hours of downtime were recorded.<br>• The 1-minute data collected between July 28 and July 31 were reviewed, and values affected by injection issues were discarded. The hourly data were then re-averaged using the revised 1-minute dataset. As a result, two hours of data were invalidated. |

| Parameter | Verification Date | Equipment Operational Summary |
|---|---|---|
| **RH**<br><br>Rotronic HC2-S3<br>#20467597<br>#20357528 | July 22, 2025 | • On July 22, the Rotronic HC2A-S3 sensor, s/n: 20467597, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20357528, was installed afterwards. |
| **BP**<br><br>MetOne 092<br>#A17940 | July 22, 2025 | • No operational issues were identified this month. |
| **AT**<br><br>Rotronic HC2-S3<br>#20467597<br>#20357528 | July 22, 2025 | • On July 22, the Rotronic HC2A-S3 sensor, s/n: 20467597, was removed for recertification. The Rotronic HC2A-S3 sensor, s/n: 20357528, was installed afterwards. |
| **ST**<br><br>COMET<br>#18961616 | July 22, 2025 | • No operational issues were identified this month. |
| **Precipitation**<br><br>RM Young 52202<br>#TB 15877 | July 22, 2025 | • No operational issues were identified this month. |
| **WS/ WD**<br><br>RM Young 05305AQ<br>#174795 | July 19, 2025 | • Wind direction data contained in this report represents where the wind is coming from.<br>• The last annual wind system calibration was completed on August 23, 2024.<br>• No operational issues were identified this month. |

**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 | 2 | Jul 1 at hr 11 | 10.4 | SW | 0.5 | Jul 1 | 99.9 | 94.9 |
| TRS (ppb) | - | - | - | - | - | - | 0.46 | 0.08 | 6.33 | Jul 31 at hr 2 | 13.2 | ESE | 0.84 | Jul 31 | 100.0 | 95.0 |
| THC (ppm) | - | - | - | - | - | - | 1.95 | 1.82 | 2.98 | Jul 29 at hr 21 | 8.1 | SE | 2.11 | Jul 29 | 97.3 | 92.5 |
| CH4 (ppm) | - | - | - | - | - | - | 1.95 | 1.82 | 2.98 | Jul 29 at hr 21 | 8.1 | SE | 2.11 | Jul 29 | 97.3 | 92.5 |
| NMHC (ppm) | - | - | - | - | - | - | 0.00 | 0.00 | 0.00 | Jul 1 at hr 0 | 1 | S | 0.00 | Jul 1 | 97.3 | 92.5 |
| RH (%) | - | - | - | - | - | - | 61.6 | 23 | 100 | Jul 2 at hr 23 | 11.9 | SSW | 97.8 | Jul 25 | 100.0 | 100.0 |
| BP (millibar) | - | - | - | - | - | - | 941 | 930 | 952 | Jul 14 at hr 22 | 3.7 | E | 949 | Jul 14 | 100.0 | 100.0 |
| Ext. Temp. (°C) | - | - | - | - | - | - | 16.9 | 5.8 | 32.2 | Jul 31 at hr 16 | 8.8 | SSE | 25.5 | Jul 31 | 100.0 | 100.0 |
| Stn. Temp. (°C) | - | - | - | - | - | - | 22.2 | 20.2 | 23.8 | Jul 22 at hr 7 | 7.6 | SW | 22.8 | Jul 25 | 100.0 | 100.0 |
| Precipitation (mm)* | - | - | - | - | - | - | 17.7 | 0.0 | 2.4 | Jul 8 at hr 17 | 20.6 | W | 4.7 | Jul 2 | 100.0 | 100.0 |
| WSV (km/hr) | - | - | - | - | - | - | 4.1 | 0.4 | 39.9 | Jul 9 at hr 10 | 39.9 | W | 25.4 | Jul 9 | 100.0 | 100.0 |
| WDV (sector) | - | - | - | - | - | - | 233 (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 | 2 | 0.46 | 0.08 | 6.97 | Jul 31 at 02:30 | 13.3 | ESE | 0.84 | Jul 31 | 100.0 | 95.1 |

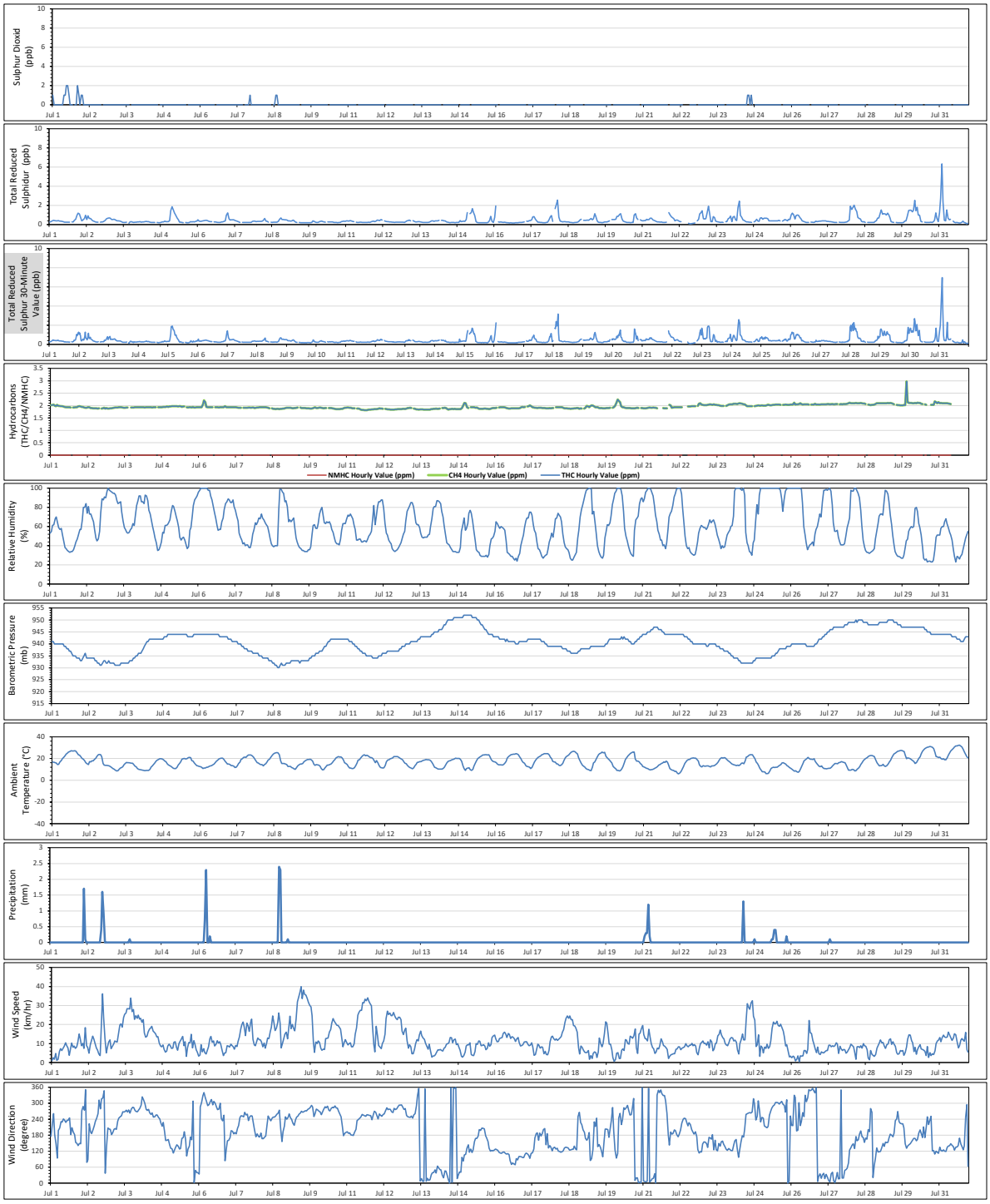
1- Date/ Time given is the first minimum and maximum value that was recorded

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

The following exceedances of AAAQGs were observed at the Reno-B Station.

| Date | Time (MST) | Parameter | Average Period | AAAQOs / AAAQGs | Concentration | Wind speed | Wind Direction | Reference # |
|---|---|---|---|---|---|---|---|---|
| Jul 31 | 02:00 | TRS | 30-Minute | 5 ppb | 5.69 ppb | 13.1 km/hr | 120 (ESE) | n/a |
| Jul 31 | 02:30 | TRS | 30-Minute | 5 ppb | 6.97 ppb | 13.3 km/hr | 120 (ESE) | n/a |

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



## PRC Station

**Equipment Operation Summary**

| Parameter | Calibration Date | Equipment Operational Summary |
|---|---|---|
| **SO2**<br><br>Thermo 43i<br>#1034746225 | July 23, 2025 | • No operational issues were recorded this month. |
| **H2S**<br><br>Teledyne T100<br>#1014 | July 23, 2025 | • No operational issues were recorded this month. |
| **TRS**<br><br>Themo 43i-TLE<br>#1162460022<br><br>TRS Convertor<br>CD Nova CDN-101<br>#516 | July 23, 2025 | • The analyzer failed due to a sample pump failure on July 7. The sample pump was replaced, and a successful post-repair calibration was completed on July 9. Fifty-seven hours of downtime were recorded due to this event. |
| **THC/CH4/NMHC**<br><br>Thermo 55i<br>#1034745845<br><br>H2 Generator<br>HG300<br>#211067076 | July 23, 2025 | • Hourly data collected on July 23 between hour 5 and hour 9 were invalidated due to low N2 cylinder pressure. A new N2 cylinder was installed on July 23. Five hours of downtime were recorded.<br>• Following the as-found points check on July 23, the H2 desiccant was replaced. A monthly calibration was completed afterwards. |
| **Parameter** | **Verification Date** | **Equipment Operational Summary** |
| **RH**<br><br>Rotronic HC2-S3<br>#20558318 | July 23, 2025 | • No operational issues were identified this month. |
| **BP**<br><br>MetOne 092<br>#B19577 | July 23, 2025 | • No operational issues were identified this month. |

| Parameter | Verification Date | Equipment Operational Summary |
|---|---|---|
| **AT**<br><br>Rotronic HC2-S3<br>#20558318 | July 23, 2025 | • No operational issues were recorded this month. |
| **ST**<br><br>Canadian Natural<br>#NA | July 23, 2025 | • No operational issues were recorded this month. |
| **WS/ WD**<br><br>RM Young 05305VK<br>#129612 | July 23, 2025 | • Wind direction data contained in this report represents where the wind is coming from.<br>• The annual wind system calibration was completed on September 10, 2024.<br>• No operational issues were recorded 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 | 0.0 | 0 | 3 | Jul 10 at hr 12 | 13.3 | W | 0.3 | Jul 1 | 100.0 | 95.1 |
| H2S (ppb) | 10 | 3 | - | 0 | 0 | - | 0.0 | 0 | 6 | Jul 19 at hr 5 | 3.6 | ENE | 0.0 | Jul 1 | 100.0 | 95.1 |
| TRS (ppb) | - | - | - | - | - | - | 0.2 | 0 | 6 | Jul 19 at hr 5 | 3.6 | ENE | 0.7 | Jul 19 | 92.3 | 88.0 |
| THC (ppm) | - | - | - | - | - | - | 2.00 | 1.90 | 2.32 | Jul 19 at hr 5 | 3.6 | ENE | 2.04 | Jul 22 | 99.3 | 94.3 |
| CH4 (ppm) | - | - | - | - | - | - | 2.00 | 1.90 | 2.32 | Jul 19 at hr 5 | 3.6 | ENE | 2.04 | Jul 22 | 99.3 | 94.3 |
| NMHC (ppm) | - | - | - | - | - | - | 0.00 | 0.00 | 0.09 | Jul 10 at hr 12 | 13.3 | W | 0.01 | Jul 10 | 99.3 | 94.3 |
| RH (%) | - | - | - | - | - | - | 61.2 | 19 | 100 | Jul 2 at hr 20 | 4.4 | ESE | 94.4 | Jul 25 | 100.0 | 100.0 |
| BP (millibar) | - | - | - | - | - | - | 942 | 932 | 954 | Jul 14 at hr 23 | 8.8 | ESE | 952 | Jul 14 | 100.0 | 100.0 |
| Ext. Temp. (°C) | - | - | - | - | - | - | 16.8 | 2.8 | 32.7 | Jul 31 at hr 14 | 7.9 | SE | 25.9 | Jul 31 | 100.0 | 100.0 |
| Stn. Temp. (°C) | - | - | - | - | - | - | 21.0 | 19.7 | 24.7 | Jul 3 at hr 7 | 17.7 | SW | 22.3 | Jul 3 | 100.0 | 100.0 |
| WSV (km/hr) | - | - | - | - | - | - | 5.1 | 0.6 | 35.7 | Jul 9 at hr 13 | 35.7 | WSW | 24.5 | Jul 9 | 100.0 | 100.0 |
| WDV (sector) | - | - | - | - | - | - | 226 (SW) | - | - | - | - | - | - | - | 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 | 1 | 0.2 | 0 | 7 | Jul 19 at 05:00 | 4.3 | E | 1.00 | Jul 19 | 92.3 | 87.9 |

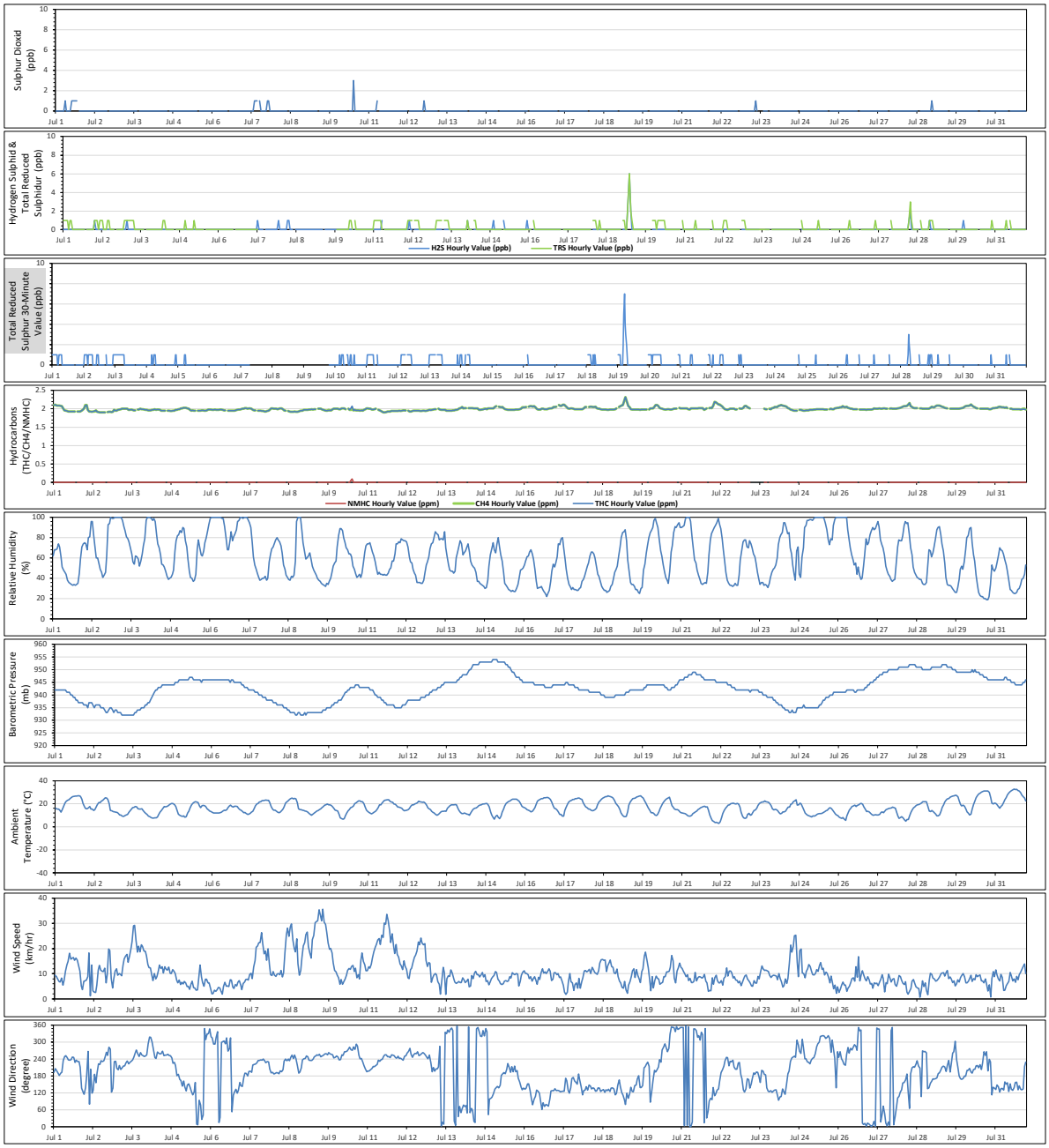
1- Date/ Time given is the first minimum and maximum value that was recorded

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

The following exceedance of AAAQG was observed at the Peace River Complex (PRC) Station.

| Date | Time (MST) | Parameter | Average Period | AAAQOs / AAAQGs | Concentration | Wind speed | Wind Direction | Reference # |
|---|---|---|---|---|---|---|---|---|
| Jul 19 | 05:00 | TRS | 30-Minute | 5 ppb | 7 ppb | 4.3 km/hr | 80 (E) | n/a |

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



## AQHI – Grimshaw Station

**Equipment Operation Summary**

| Parameter | Calibration Date | Equipment Operational Summary |
|---|---|---|
| **SO2**<br><br>Teledyne T100<br>#722 | July 16, 2025 | • The analyzer failed July 16's daily zero-span check due to high shelter temperature. Data were invalidated back to the last valid calibration check, which was July 15. Twenty-nice hours of downtime were recorded.<br>• The analyzer failed July 19's daily zero-span check due to high shelter temperature. Data were invalidated back to the last valid calibration check, which was July 18. Forty-five hours of downtime were recorded. |
| **TRS**<br><br>Thermo 43iQ-TL<br>#12409233394<br><br>Teledyne T100U<br>#132<br><br>TRS Convertor<br>CD Nova CDN-101<br>#576 | July 16, 2025 | • The Thermo 43iQ-TL analyzer, s/n: 12409233394, failed on July 9. The replacement Teledyne T100U analyzer, a/n: 132, was installed and calibrated on July 10. Twenty-two hours of downtime were recorded.<br>• A repeat multi-point calibration was completed on July 16 to confirm/adjust analyzer drift. Six hours of downtime were recorded due to the additional quality check. |
| **NOx/NO/NO2**<br><br>Teledyne T200<br>#837<br><br>Thermo 42iQ<br>#12409233392 | July 16, 2025 | • The Teledyne T200 analyzer, s/n: 837, was removed following a successful shut-down calibration on July 15. The Thermo 42iQ analyzer, s/n: 12409233392, was installed and calibrated on July 16. Nineteen hours of downtime were recorded due to this event.<br>• The analyzer failed July 19's daily zero-span check due to high shelter temperature. Data were invalidated back to the last valid calibration check, which was July 18. Forty-five hours of downtime were recorded. |
| **THC/CH4/NMHC**<br><br>Thermo 55i<br>#12101910497<br><br>H2 Generator HG300<br>#190567059 | July 04, 2025 | • Following a successful shut-down calibration on July 4, the sample pump was rebuilt. A post-repair calibration was completed after the pump service was completed. Three hours of downtime were recorded. |

| Parameter | Calibration Date | Equipment Operational Summary |
|---|---|---|
| **O3**<br><br>Thermo 49iQ<br>#12326230141 | July 16, 2025 | • No operational issues were identified this month. |
| **PM2.5**<br><br>Teledyne T640<br>#318 | July 15, 2025 | • No operational issues were identified this month. |
| **Parameter** | **Verification Date** | **Equipment Operational Summary** |
| **RH**<br><br>Vaisala HMP155<br>#N2910506 | July 16, 2025 | • No operational issues were identified this month. |
| **AT**<br><br>Vaisala HMP155<br>#N2910506 | July 16, 2025 | • No operational issues were identified this month. |
| **BP**<br><br>MetOne 092<br>#A2397 | July 16, 2025 | • No operational issues were identified this month. |
| **ST**<br><br>COMET<br>#NA | July 16, 2025 | • No operational issues were identified this month. |
| **WS/ WD**<br><br>RM Young 05305AQ<br>#174801 | July 16, 2025 | • Wind direction data contained in this report represents where the wind is coming from.<br>• The last annual wind system calibration was completed on August 21, 2024.<br>• No 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 | 1 | Jul 1 at hr 10 | 9.7 | WSW | 0.1 | Jul 1 | 90.1 | 85.3 |
| TRS (ppb) | - | - | - | - | - | - | 0.19 | 0.00 | 2.30 | Jul 23 at hr 5 | 4 | E | 0.37 | Jul 24 | 96.2 | 91.2 |
| NOx (ppb) | - | - | - | - | - | - | 3.9 | 0 | 28 | Jul 1 at hr 23 | 2.7 | NNE | 6.8 | Jul 5 | 91.4 | 86.0 |
| NO (ppb) | - | - | - | - | - | - | 0.7 | 0 | 14 | Jul 29 at hr 5 | 0.9 | NW | 3.6 | Jul 9 | 91.4 | 86.0 |
| NO2 (ppb) | 159 | - | - | 0 | - | - | 2.7 | 0 | 23 | Jul 1 at hr 23 | 2.7 | NNE | 5.8 | Jul 30 | 91.4 | 86.0 |
| O3 (ppb) | 76 | - | - | 0 | - | - | 28.8 | 2.5 | 57.9 | Jul 17 at hr 17 | 8.1 | SE | 45.1 | Jul 17 | 100.0 | 95.0 |
| THC (ppm) | - | - | - | - | - | - | 1.97 | 1.81 | 2.25 | Jul 28 at hr 0 | 2.5 | NNE | 2.02 | Jul 28 | 99.6 | 94.6 |
| CH4 (ppm) | - | - | - | - | - | - | 1.97 | 1.82 | 2.21 | Jul 30 at hr 0 | 5.4 | SW | 2.02 | Jul 30 | 99.6 | 94.6 |
| NMHC (ppm) | - | - | - | - | - | - | 0.00 | 0.00 | 0.16 | Jul 28 at hr 0 | 2.5 | NNE | 0.01 | Jul 28 | 99.6 | 94.6 |
| PM2.5 (µg/m3) | 80 | 29 | - | 0 | 0 | - | 7.9 | 1 | 43 | Jul 13 at hr 10 | 8.8 | NNE | 24.7 | Jul 17 | 100.0 | 99.9 |
| RH (%) | - | - | - | - | - | - | 57.9 | 19 | 100 | Jul 5 at hr 19 | 10.8 | NNW | 83.0 | Jul 25 | 100.0 | 100.0 |
| BP (millibar) | - | - | - | - | - | - | 942 | 932 | 954 | Jul 14 at hr 23 | 1.9 | NNW | 951 | Jul 14 | 100.0 | 100.0 |
| Ext. Temp. (°C) | - | - | - | - | - | - | 17.5 | 6.1 | 33.2 | Jul 31 at hr 16 | 7.2 | SSE | 24.9 | Jul 31 | 100.0 | 100.0 |
| Stn. Temp. (°C) | - | - | - | - | - | - | 22.2 | 18.6 | 34.8 | Jul 18 at hr 12 | 19 | SSE | 24.4 | Jul 18 | 100.0 | 100.0 |
| WSV (km/hr) | - | - | - | - | - | - | 8.6 | 0.0 | 28.4 | Jul 9 at hr 13 | 28.4 | WSW | 19.4 | Jul 9 | 100.0 | 100.0 |
| WDV (sector) | - | - | - | - | - | - | 263 (W) | - | - | - | - | - | - | - | 100.0 | 100.0 |

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

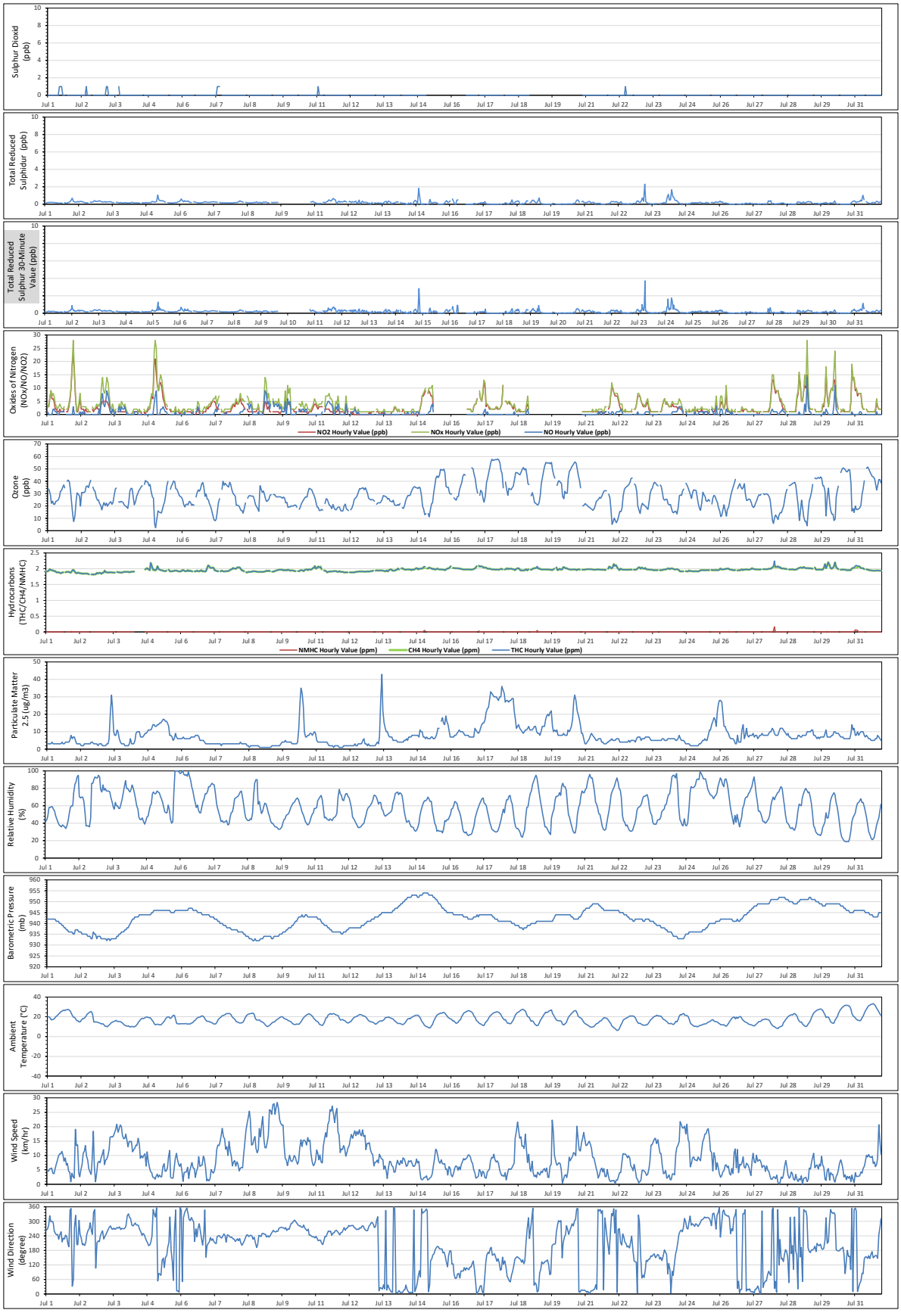
| Parameter | Objectives/Guidelines | Exceedances | Monthly Avg. | Min. 30-min | Max. 30-min | Date/Time | VWS (km/hr) | VWD (sector) | Max. 24-hr | Date | Operational Uptime (%) | Valid Data (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 30-min | 30-min | | | | | | | | | | |
| TRS (ppb) | 5 | 0 | 0.19 | 0.00 | 3.72 | Jul 23 at 05:30 | 3.4 | ESE | 0.37 | Jul 24 | 96.1 | 91.2 |

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 Jul 2025 - AQHI - Grimshaw Station*



# TABLES, CHARTS AND WIND ROSES

# 986-C STATION

## *Peace River Area Monitoring Program*

### *986-C Station - July 2025*

### Summary of Hourly Averages

### SULPHUR DIOXIDE ($SO_2$) in ppb

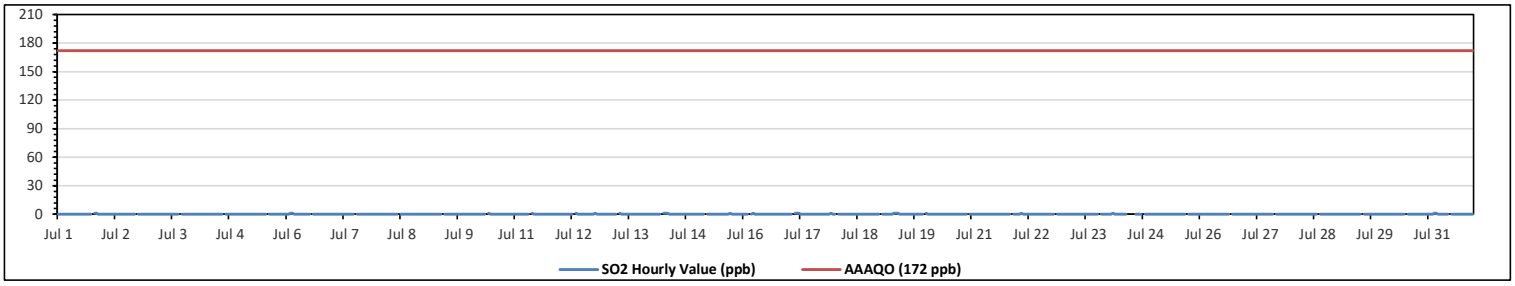
**Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb**

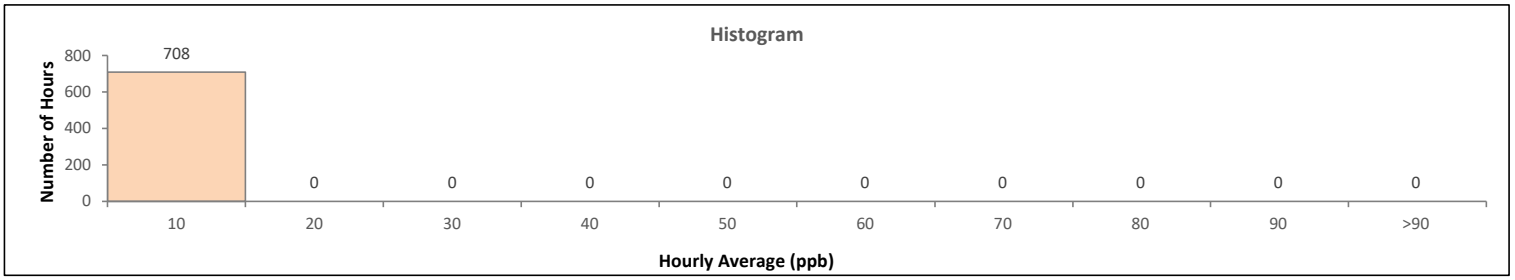
| | | | | | | |
|---|---|---|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | Number of 24-Hour Exceedances: | 0 | 30-Day Exceedence: | 0 | |
| Maximum Hourly Value: | 1 | ppb | on Jul 1 at hr 19 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.2 | ppb | on Jul 17 | Hours of Data: | 708 | |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 0 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.0 | ppb | on Jul 2 | Hours of Calibration: | 36 | |
| 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 | | | |
| Jul 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 2 | 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 |
| Jul 3 | 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 |
| Jul 4 | 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 |
| Jul 5 | 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 |
| Jul 6 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 7 | 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 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 13 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 14 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 15 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 16 | 0 | 0 | 0 | S | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 17 | 0 | 0 | S | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.2 |
| Jul 18 | 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 |
| Jul 19 | S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 1 | 0.1 |
| Jul 20 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 1 | 0.0 |
| Jul 21 | 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 |
| Jul 22 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 23 | 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 |
| Jul 24 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C | C | C | C | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 25 | 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 |
| Jul 26 | 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 |
| Jul 27 | 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 |
| Jul 28 | 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 |
| Jul 29 | 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 |
| Jul 30 | 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 |
| Jul 31 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Diurnal Maximum | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | | | |
| Diurnal Average | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 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 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



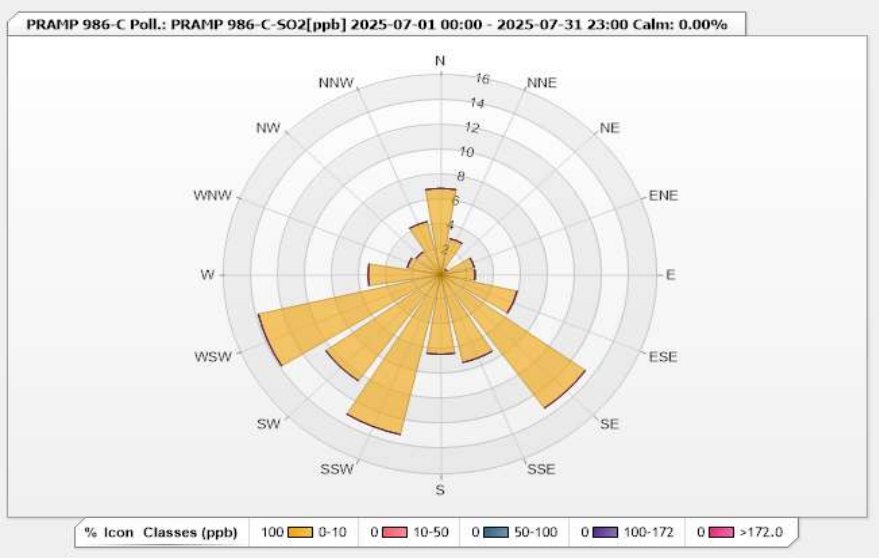



**Station: PRAMP 986-C Poll.: PRAMP 986-C-SO2[ppb]  Monthly: 07-2025**

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 | 6.92 | 0 | 0 | 0 | 0 | 6.92 |
| NNE | 2.97 | 0 | 0 | 0 | 0 | 2.97 |
| NE | 0.56 | 0 | 0 | 0 | 0 | 0.56 |
| ENE | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| E | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| ESE | 5.79 | 0 | 0 | 0 | 0 | 5.79 |
| SE | 13.14 | 0 | 0 | 0 | 0 | 13.14 |
| SSE | 7.2 | 0 | 0 | 0 | 0 | 7.2 |
| S | 6.36 | 0 | 0 | 0 | 0 | 6.36 |
| SSW | 13.14 | 0 | 0 | 0 | 0 | 13.14 |
| SW | 10.45 | 0 | 0 | 0 | 0 | 10.45 |
| WSW | 13.84 | 0 | 0 | 0 | 0 | 13.84 |
| W | 5.37 | 0 | 0 | 0 | 0 | 5.37 |
| WNW | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| NW | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NNW | 4.38 | 0 | 0 | 0 | 0 | 4.38 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*986-C Station - July 2025*

**Summary of Hourly Averages**

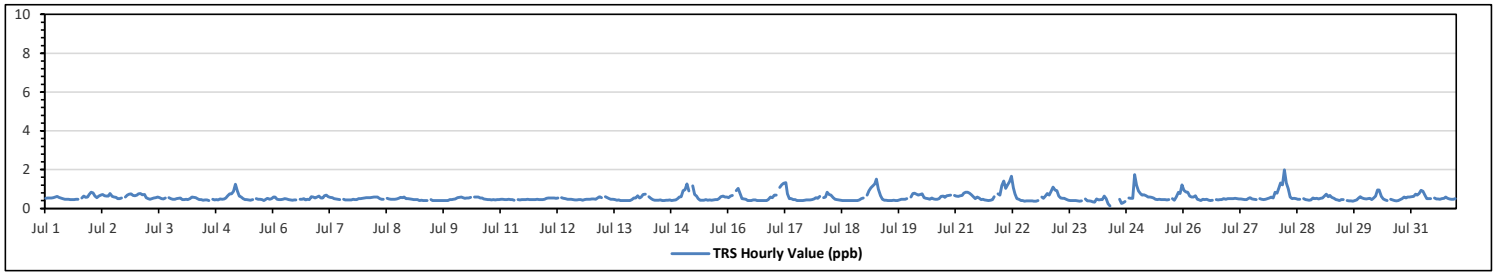
**TOTAL REDUCED SULPHUR (TRS) in ppb**

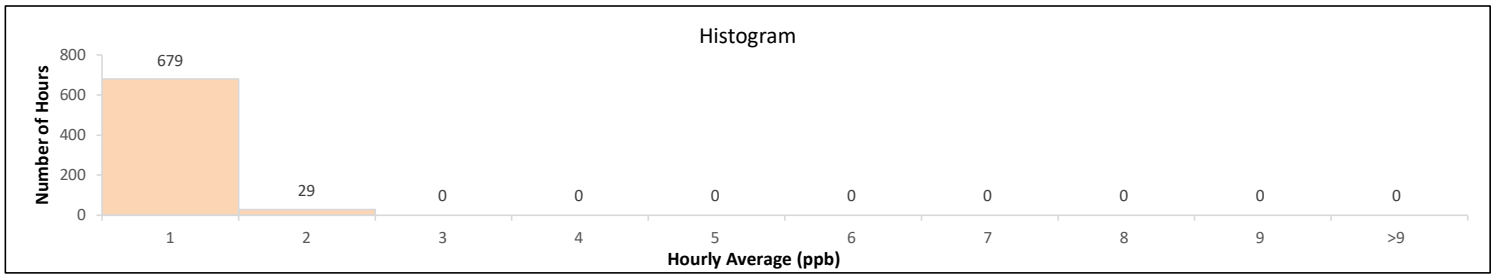
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 1.99 | ppb | on Jul 28 at hr 5 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.74 | ppb | on Jul 28 | Hours of Data: | 708 | |
| Minimum Hourly Value: | 0.12 | ppb | on Jul 24 at hr 9 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.43 | ppb | on Jul 9 | Hours of Calibration: | 36 | |
| Monthly Average: | 0.56 | 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 | | | |
| Jul 1 | 0.52 | 0.54 | 0.54 | 0.53 | 0.55 | 0.58 | 0.62 | 0.57 | 0.53 | 0.51 | 0.48 | 0.48 | 0.47 | 0.46 | 0.45 | 0.46 | 0.48 | 0.47 | S | 0.54 | 0.63 | 0.57 | 0.58 | 0.71 | 0.45 | 0.71 | 0.53 |
| Jul 2 | 0.84 | 0.8 | 0.63 | 0.55 | 0.63 | 0.68 | 0.73 | 0.66 | 0.64 | 0.64 | 0.77 | 0.62 | 0.59 | 0.57 | 0.51 | 0.51 | 0.54 | S | 0.58 | 0.69 | 0.74 | 0.75 | 0.67 | 0.65 | 0.51 | 0.84 | 0.65 |
| Jul 3 | 0.68 | 0.75 | 0.76 | 0.7 | 0.71 | 0.56 | 0.5 | 0.47 | 0.5 | 0.54 | 0.55 | 0.58 | 0.56 | 0.51 | 0.49 | 0.54 | S | 0.55 | 0.51 | 0.47 | 0.48 | 0.5 | 0.52 | 0.53 | 0.47 | 0.76 | 0.56 |
| Jul 4 | 0.46 | 0.45 | 0.47 | 0.46 | 0.51 | 0.59 | 0.57 | 0.55 | 0.51 | 0.46 | 0.46 | 0.43 | 0.44 | 0.44 | 0.42 | S | 0.47 | 0.44 | 0.46 | 0.44 | 0.49 | 0.48 | 0.49 | 0.53 | 0.42 | 0.59 | 0.48 |
| Jul 5 | 0.66 | 0.75 | 0.75 | 0.88 | 1.24 | 0.91 | 0.64 | 0.59 | 0.51 | 0.46 | 0.45 | 0.44 | 0.43 | 0.45 | S | 0.51 | 0.47 | 0.47 | 0.45 | 0.42 | 0.47 | 0.52 | 0.48 | 0.51 | 0.42 | 1.24 | 0.59 |
| Jul 6 | 0.59 | 0.6 | 0.48 | 0.46 | 0.46 | 0.47 | 0.5 | 0.49 | 0.46 | 0.44 | 0.43 | 0.44 | 0.44 | S | 0.48 | 0.48 | 0.51 | 0.44 | 0.47 | 0.46 | 0.61 | 0.59 | 0.53 | 0.59 | 0.43 | 0.61 | 0.50 |
| Jul 7 | 0.63 | 0.54 | 0.53 | 0.65 | 0.68 | 0.61 | 0.57 | 0.56 | 0.51 | 0.49 | 0.47 | 0.46 | S | 0.48 | 0.44 | 0.44 | 0.44 | 0.44 | 0.47 | 0.46 | 0.45 | 0.51 | 0.5 | 0.52 | 0.44 | 0.68 | 0.52 |
| Jul 8 | 0.53 | 0.55 | 0.56 | 0.55 | 0.57 | 0.58 | 0.6 | 0.6 | 0.51 | 0.47 | 0.47 | S | 0.52 | 0.49 | 0.48 | 0.47 | 0.47 | 0.49 | 0.52 | 0.57 | 0.55 | 0.59 | 0.51 | 0.51 | 0.47 | 0.60 | 0.53 |
| Jul 9 | 0.49 | 0.47 | 0.46 | 0.46 | 0.45 | 0.42 | 0.43 | 0.41 | 0.41 | 0.41 | S | 0.45 | 0.41 | 0.42 | 0.41 | 0.4 | 0.41 | 0.41 | 0.42 | 0.41 | 0.42 | 0.45 | 0.46 | 0.47 | 0.40 | 0.49 | 0.43 |
| Jul 10 | 0.49 | 0.56 | 0.57 | 0.58 | 0.56 | 0.52 | 0.53 | 0.53 | 0.57 | S | 0.6 | 0.58 | 0.58 | 0.54 | 0.53 | 0.49 | 0.47 | 0.45 | 0.45 | 0.44 | 0.45 | 0.44 | 0.46 | 0.45 | 0.44 | 0.60 | 0.51 |
| Jul 11 | 0.47 | 0.48 | 0.46 | 0.46 | 0.48 | 0.46 | 0.46 | 0.43 | S | 0.46 | 0.44 | 0.45 | 0.46 | 0.45 | 0.47 | 0.46 | 0.45 | 0.45 | 0.46 | 0.47 | 0.46 | 0.45 | 0.46 | 0.48 | 0.43 | 0.48 | 0.46 |
| Jul 12 | 0.52 | 0.54 | 0.54 | 0.53 | 0.54 | 0.52 | 0.53 | S | 0.56 | 0.52 | 0.51 | 0.48 | 0.47 | 0.47 | 0.46 | 0.44 | 0.44 | 0.45 | 0.46 | 0.43 | 0.46 | 0.47 | 0.47 | 0.48 | 0.43 | 0.56 | 0.49 |
| Jul 13 | 0.49 | 0.49 | 0.48 | 0.55 | 0.61 | 0.56 | S | 0.61 | 0.55 | 0.51 | 0.48 | 0.48 | 0.45 | 0.43 | 0.44 | 0.42 | 0.41 | 0.42 | 0.42 | 0.4 | 0.42 | 0.46 | 0.53 | 0.53 | 0.40 | 0.61 | 0.48 |
| Jul 14 | 0.66 | 0.53 | 0.59 | 0.73 | 0.74 | S | 0.61 | 0.52 | 0.46 | 0.43 | 0.43 | 0.43 | 0.44 | 0.42 | 0.42 | 0.43 | 0.43 | 0.44 | 0.42 | 0.43 | 0.44 | 0.51 | 0.58 | 0.61 | 0.42 | 0.74 | 0.51 |
| Jul 15 | 0.92 | 0.97 | 1.26 | 0.89 | S | 1.17 | 0.73 | 0.63 | 0.5 | 0.43 | 0.43 | 0.43 | 0.46 | 0.43 | 0.44 | 0.43 | 0.44 | 0.45 | 0.45 | 0.5 | 0.61 | 0.63 | 0.6 | 0.59 | 0.43 | 1.26 | 0.63 |
| Jul 16 | 0.55 | 0.64 | 0.67 | S | 0.92 | 1.04 | 0.76 | 0.51 | 0.49 | 0.47 | 0.42 | 0.41 | 0.4 | 0.44 | 0.44 | 0.41 | 0.4 | 0.4 | 0.41 | 0.42 | 0.42 | 0.46 | 0.58 | 0.56 | 0.40 | 1.04 | 0.53 |
| Jul 17 | 0.68 | 0.68 | S | 1.09 | 1.22 | 1.29 | 1.33 | 0.75 | 0.5 | 0.51 | 0.45 | 0.45 | 0.42 | 0.4 | 0.4 | 0.41 | 0.43 | 0.44 | 0.44 | 0.44 | 0.46 | 0.49 | 0.55 | 0.52 | 0.40 | 1.33 | 0.62 |
| Jul 18 | 0.62 | S | 0.56 | 0.59 | 0.84 | 0.72 | 0.68 | 0.55 | 0.47 | 0.45 | 0.44 | 0.43 | 0.41 | 0.41 | 0.41 | 0.42 | 0.42 | 0.4 | 0.4 | 0.4 | 0.42 | 0.44 | 0.51 | 0.54 | 0.40 | 0.84 | 0.50 |
| Jul 19 | S | 0.68 | 0.92 | 1.06 | 1.17 | 1.26 | 1.51 | 1 | 0.65 | 0.48 | 0.43 | 0.43 | 0.42 | 0.42 | 0.42 | 0.43 | 0.42 | 0.42 | 0.44 | 0.47 | 0.47 | 0.47 | 0.5 | S | 0.42 | 1.51 | 0.66 |
| Jul 20 | 0.58 | 0.76 | 0.79 | 0.74 | 0.68 | 0.72 | 0.75 | 0.56 | 0.52 | 0.5 | 0.48 | 0.53 | 0.49 | 0.48 | 0.48 | 0.51 | 0.62 | 0.63 | 0.57 | 0.65 | 0.67 | 0.68 | S | 0.67 | 0.48 | 0.79 | 0.61 |
| Jul 21 | 0.63 | 0.62 | 0.65 | 0.67 | 0.79 | 0.83 | 0.83 | 0.79 | 0.7 | 0.61 | 0.51 | 0.59 | 0.54 | 0.46 | 0.48 | 0.44 | 0.43 | 0.42 | 0.43 | 0.46 | 0.61 | S | 0.75 | 0.68 | 0.42 | 0.83 | 0.61 |
| Jul 22 | 1.18 | 1.41 | 1.03 | 1.22 | 1.38 | 1.66 | 1.06 | 0.75 | 0.51 | 0.48 | 0.42 | 0.42 | 0.38 | 0.39 | 0.39 | 0.39 | 0.39 | 0.38 | 0.38 | 0.42 | S | 0.58 | 0.52 | 0.64 | 0.38 | 1.66 | 0.71 |
| Jul 23 | 0.78 | 0.68 | 0.88 | 1.1 | 0.95 | 0.92 | 0.64 | 0.53 | 0.52 | 0.52 | 0.48 | 0.43 | 0.41 | 0.4 | 0.41 | 0.4 | 0.39 | 0.37 | 0.39 | S | 0.49 | 0.39 | 0.39 | 0.38 | 0.37 | 1.10 | 0.56 |
| Jul 24 | 0.34 | 0.33 | 0.49 | 0.44 | 0.46 | 0.45 | 0.64 | 0.51 | 0.23 | 0.12 | C | C | C | C | 0.47 | 0.26 | 0.29 | 0.35 | S | 0.53 | 0.52 | 0.52 | 1.74 | 1.2 | 0.12 | 1.74 | 0.52 |
| Jul 25 | 0.91 | 0.76 | 0.69 | 0.7 | 0.66 | 0.6 | 0.6 | 0.57 | 0.53 | 0.47 | 0.46 | 0.47 | 0.46 | 0.46 | 0.45 | 0.44 | 0.45 | S | 0.5 | 0.43 | 0.59 | 0.84 | 0.78 | 1.22 | 0.43 | 1.22 | 0.61 |
| Jul 26 | 0.93 | 0.85 | 0.84 | 0.64 | 0.58 | 0.59 | 0.66 | 0.47 | 0.44 | 0.42 | 0.47 | 0.45 | 0.47 | 0.43 | 0.42 | 0.43 | S | 0.46 | 0.44 | 0.46 | 0.46 | 0.5 | 0.48 | 0.5 | 0.42 | 0.93 | 0.54 |
| Jul 27 | 0.5 | 0.51 | 0.51 | 0.52 | 0.51 | 0.49 | 0.49 | 0.47 | 0.46 | 0.46 | 0.52 | 0.56 | 0.49 | 0.48 | 0.45 | S | 0.51 | 0.47 | 0.45 | 0.47 | 0.5 | 0.53 | 0.58 | 0.54 | 0.45 | 0.58 | 0.50 |
| Jul 28 | 0.83 | 0.79 | 1.06 | 1.32 | 1.22 | **1.99** | 1.32 | 1.02 | 0.59 | 0.51 | 0.52 | 0.5 | 0.47 | 0.47 | S | 0.51 | 0.45 | 0.44 | 0.43 | 0.44 | 0.54 | 0.51 | 0.52 | 0.49 | 0.43 | **1.99** | **0.74** |
| Jul 29 | 0.52 | 0.54 | 0.63 | 0.74 | 0.61 | 0.67 | 0.57 | 0.52 | 0.46 | 0.44 | 0.41 | 0.45 | 0.45 | S | 0.42 | 0.39 | 0.39 | 0.37 | 0.4 | 0.44 | 0.52 | 0.61 | 0.53 | 0.51 | 0.37 | 0.74 | 0.50 |
| Jul 30 | 0.49 | 0.51 | 0.52 | 0.45 | 0.53 | 0.64 | 0.95 | 0.94 | 0.62 | 0.49 | 0.44 | 0.42 | S | 0.48 | 0.44 | 0.41 | 0.39 | 0.41 | 0.46 | 0.51 | 0.59 | 0.54 | 0.58 | 0.59 | 0.39 | 0.95 | 0.54 |
| Jul 31 | 0.61 | 0.62 | 0.74 | 0.69 | 0.77 | 0.93 | 0.88 | 0.68 | 0.5 | 0.51 | 0.5 | S | 0.53 | 0.49 | 0.49 | 0.48 | 0.5 | 0.52 | 0.58 | 0.52 | 0.49 | 0.47 | 0.47 | 0.5 | 0.47 | 0.93 | 0.59 |
| Diurnal Maximum | 1.18 | 1.41 | 1.26 | 1.32 | 1.38 | 1.99 | 1.51 | 1.02 | 0.70 | 0.64 | 0.77 | 0.62 | 0.59 | 0.57 | 0.53 | 0.54 | 0.62 | 0.63 | 0.58 | 0.69 | 0.74 | 0.84 | 1.74 | 1.22 | | | |
| Diurnal Average | 0.64 | 0.65 | 0.67 | 0.70 | 0.73 | 0.78 | 0.72 | 0.61 | 0.51 | 0.47 | 0.48 | 0.47 | 0.47 | 0.46 | 0.45 | 0.44 | 0.45 | 0.44 | 0.46 | 0.47 | 0.51 | 0.53 | 0.58 | 0.59 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 - July 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

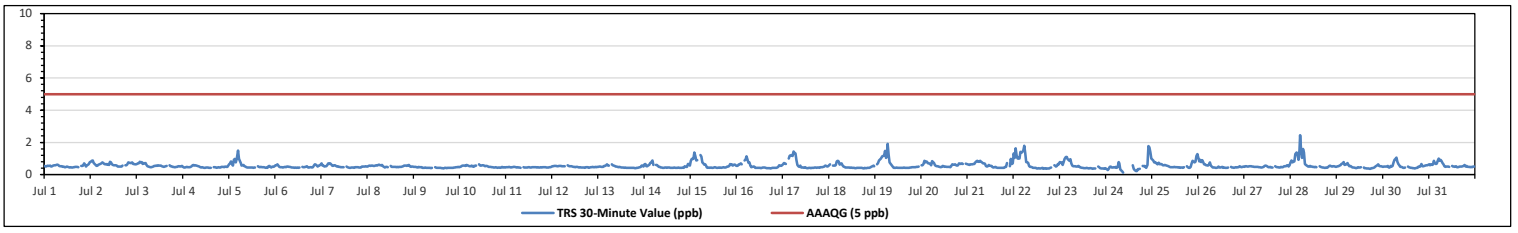
| | | | | | |
|---|---|---|---|---|---|
| Maximum 30-Minute Value: | 2.45 ppb | on Jul 28 at 05:00 | # of Instrument in Service | 1488 | |
| Maximum Daily Value: | 0.74 ppb | on Jul 28 | # of Valid Measurements | 1415 | |
| Minimum 30-Minute Value: | 0.13 ppb | Jul 24 at 09:00 | # of Missing Measurements: | 0 | |
| Minimum Daily Value: | 0.43 ppb | on Jul 9 | # of Calibration: | 73 | |
| Monthly Average: | 0.56 ppb | | Operational Uptime: | 100.0 | |

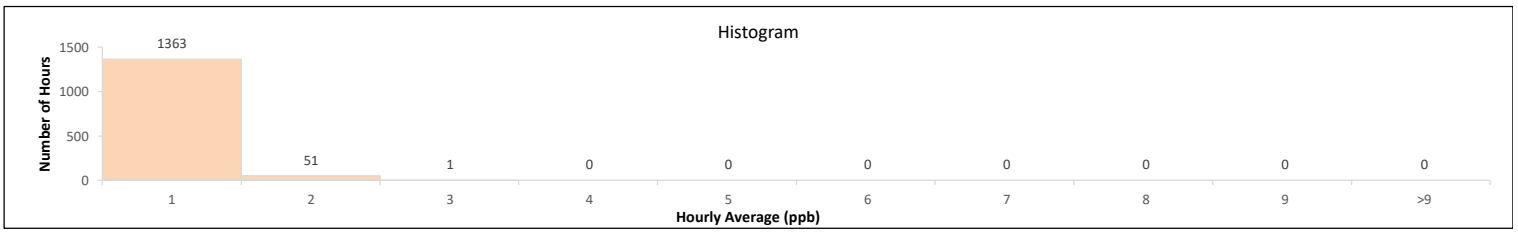
| 30-Minute Period Starting at (MST) | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 | Jul 27 | Jul 28 | Jul 29 | Jul 30 | Jul 31 | Diurnal Maximum | Diurnal Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 0.54 | 0.81 | 0.66 | 0.48 | 0.63 | 0.59 | 0.69 | 0.51 | 0.48 | 0.48 | 0.46 | 0.52 | 0.48 | 0.65 | 0.86 | 0.54 | 0.64 | 0.59 | S | 0.58 | 0.65 | 1.31 | 0.79 | 0.35 | 0.94 | 1.04 | 0.49 | 0.76 | 0.51 | 0.48 | 0.63 | 1.31 | 0.64 |
| 00:30 | 0.51 | 0.87 | 0.69 | 0.45 | 0.69 | 0.59 | 0.56 | 0.55 | 0.49 | 0.5 | 0.47 | 0.52 | 0.51 | 0.66 | 0.98 | 0.57 | 0.73 | 0.65 | S | 0.59 | 0.62 | 1.05 | 0.77 | 0.34 | 0.89 | 0.83 | 0.52 | 0.89 | 0.53 | 0.5 | 0.59 | 1.05 | 0.64 |
| 01:00 | 0.52 | 0.88 | 0.7 | 0.45 | 0.82 | 0.64 | 0.57 | 0.56 | 0.48 | 0.55 | 0.47 | 0.54 | 0.5 | 0.53 | 0.97 | 0.64 | 0.7 | S | 0.64 | 0.66 | 0.6 | 1.63 | 0.75 | 0.29 | 0.75 | 0.92 | 0.52 | 0.77 | 0.53 | 0.5 | 0.64 | 1.63 | 0.66 |
| 01:30 | 0.57 | 0.72 | 0.8 | 0.46 | 0.67 | 0.57 | 0.51 | 0.54 | 0.46 | 0.57 | 0.49 | 0.55 | 0.49 | 0.53 | 0.97 | 0.65 | 0.66 | S | 0.72 | 0.86 | 0.65 | 1.19 | 0.6 | 0.36 | 0.78 | 0.78 | 0.5 | 0.81 | 0.56 | 0.51 | 0.61 | 1.19 | 0.64 |
| 02:00 | 0.54 | 0.66 | 0.75 | 0.48 | 0.57 | 0.48 | 0.53 | 0.56 | 0.44 | 0.57 | 0.47 | 0.55 | 0.49 | 0.58 | 1.37 | 0.7 | S | 0.56 | 0.89 | 0.76 | 0.65 | 1 | 0.78 | 0.48 | 0.72 | 0.9 | 0.5 | 0.82 | 0.59 | 0.51 | 0.62 | 1.37 | 0.65 |
| 02:30 | 0.55 | 0.61 | 0.78 | 0.47 | 0.93 | 0.47 | 0.53 | 0.57 | 0.48 | 0.57 | 0.45 | 0.53 | 0.48 | 0.6 | 1.15 | 0.64 | S | 0.57 | 0.94 | 0.82 | 0.64 | 1.05 | 0.98 | 0.5 | 0.67 | 0.78 | 0.52 | 1.29 | 0.66 | 0.54 | 0.85 | 1.29 | 0.69 |
| 03:00 | 0.56 | 0.54 | 0.66 | 0.46 | 0.99 | 0.46 | 0.61 | 0.54 | 0.46 | 0.54 | 0.46 | 0.53 | 0.55 | 0.72 | 0.88 | S | 1.01 | 0.56 | 1 | 0.8 | 0.67 | 1.01 | 1.1 | 0.44 | 0.65 | 0.64 | 0.52 | 1.38 | 0.69 | 0.45 | 0.72 | 1.38 | 0.69 |
| 03:30 | 0.5 | 0.56 | 0.73 | 0.46 | 0.77 | 0.46 | 0.7 | 0.55 | 0.46 | 0.61 | 0.47 | 0.54 | 0.55 | 0.75 | 0.9 | S | 1.18 | 0.61 | 1.13 | 0.69 | 0.67 | 1.42 | 1.1 | 0.44 | 0.74 | 0.64 | 0.52 | 1.25 | 0.79 | 0.45 | 0.66 | 1.42 | 0.71 |
| 04:00 | 0.53 | 0.62 | 0.69 | 0.49 | 0.99 | 0.45 | 0.66 | 0.56 | 0.46 | 0.58 | 0.48 | 0.54 | 0.58 | 0.89 | S | 0.89 | 1.21 | 0.83 | 1.16 | 0.7 | 0.77 | 1.35 | 0.98 | 0.47 | 0.65 | 0.59 | 0.51 | 0.92 | 0.6 | 0.55 | 0.68 | 1.35 | 0.71 |
| 04:30 | 0.56 | 0.64 | 0.73 | 0.53 | 1.49 | 0.47 | 0.7 | 0.58 | 0.43 | 0.54 | 0.49 | 0.55 | 0.64 | 0.6 | S | 0.94 | 1.23 | 0.86 | 1.19 | 0.66 | 0.82 | 1.41 | 0.93 | 0.45 | 0.67 | 0.58 | 0.51 | 1.52 | 0.62 | 0.5 | 0.87 | 1.52 | 0.76 |
| 05:00 | 0.58 | 0.66 | 0.6 | 0.58 | 0.98 | 0.48 | 0.64 | 0.56 | 0.42 | 0.52 | 0.47 | 0.53 | 0.57 | S | 1.23 | 1.14 | 1.15 | 0.82 | 1.48 | 0.59 | 0.85 | 1.51 | 0.87 | 0.49 | 0.63 | 0.56 | 0.49 | 2.45 | 0.63 | 0.54 | 1 | 2.45 | 0.80 |
| 05:30 | 0.59 | 0.7 | 0.52 | 0.61 | 0.84 | 0.47 | 0.57 | 0.6 | 0.42 | 0.52 | 0.45 | 0.52 | 0.56 | S | 1.12 | 0.94 | 1.43 | 0.62 | 1.04 | 0.84 | 0.81 | 1.8 | 0.96 | 0.41 | 0.58 | 0.62 | 0.48 | 1.54 | 0.72 | 0.75 | 0.87 | 1.80 | 0.76 |
| 06:00 | 0.61 | 0.75 | 0.51 | 0.56 | 0.7 | 0.5 | 0.55 | 0.62 | 0.44 | 0.56 | 0.47 | 0.53 | S | 0.61 | 0.75 | 0.74 | 1.35 | 0.66 | 1.11 | 0.78 | 0.81 | 1.34 | 0.71 | 0.49 | 0.59 | 0.76 | 0.48 | 1.03 | 0.61 | 0.91 | 0.92 | 1.35 | 0.72 |
| 06:30 | 0.62 | 0.72 | 0.49 | 0.59 | 0.57 | 0.5 | 0.58 | 0.59 | 0.42 | 0.5 | 0.45 | 0.53 | S | 0.61 | 0.71 | 0.77 | 1.31 | 0.7 | 1.91 | 0.72 | 0.85 | 0.78 | 0.56 | 0.79 | 0.61 | 0.56 | 0.49 | 1.61 | 0.53 | 0.99 | 0.84 | 1.91 | 0.73 |
| 07:00 | 0.6 | 0.67 | 0.46 | 0.56 | 0.58 | 0.49 | 0.58 | 0.59 | 0.42 | 0.54 | 0.45 | S | 0.63 | 0.55 | 0.62 | 0.56 | 0.9 | 0.58 | 1.26 | 0.58 | 0.81 | 0.76 | 0.52 | 0.7 | 0.59 | 0.5 | 0.48 | 1.38 | 0.55 | 1.06 | 0.73 | 1.38 | 0.66 |
| 07:30 | 0.54 | 0.65 | 0.47 | 0.55 | 0.6 | 0.48 | 0.55 | 0.61 | 0.41 | 0.51 | 0.42 | S | 0.59 | 0.49 | 0.65 | 0.47 | 0.6 | 0.51 | 0.75 | 0.54 | 0.77 | 0.74 | 0.53 | 0.32 | 0.56 | 0.44 | 0.47 | 0.66 | 0.5 | 0.81 | 0.63 | 0.81 | 0.56 |
| 08:00 | 0.52 | 0.67 | 0.49 | 0.53 | 0.53 | 0.47 | 0.51 | 0.52 | 0.42 | 0.57 | S | 0.58 | 0.57 | 0.48 | 0.54 | 0.48 | 0.52 | 0.48 | 0.68 | 0.52 | 0.71 | 0.54 | 0.53 | 0.26 | 0.54 | 0.44 | 0.46 | 0.61 | 0.47 | 0.66 | 0.52 | 0.71 | 0.53 |
| 08:30 | 0.53 | 0.62 | 0.51 | 0.5 | 0.5 | 0.45 | 0.52 | 0.49 | 0.41 | 0.57 | S | 0.55 | 0.54 | 0.45 | 0.45 | 0.5 | 0.49 | 0.45 | 0.61 | 0.52 | 0.7 | 0.49 | 0.51 | 0.2 | 0.53 | 0.44 | 0.45 | 0.57 | 0.45 | 0.59 | 0.48 | 0.70 | 0.50 |
| 09:00 | 0.52 | 0.67 | 0.54 | 0.46 | 0.46 | 0.44 | 0.49 | 0.45 | 0.4 | S | 0.47 | 0.52 | 0.5 | 0.44 | 0.42 | 0.5 | 0.57 | 0.45 | 0.53 | 0.51 | 0.68 | 0.49 | 0.5 | 0.13 | 0.48 | 0.42 | 0.44 | 0.51 | 0.44 | 0.49 | 0.5 | 0.68 | 0.48 |
| 09:30 | 0.49 | 0.61 | 0.54 | 0.45 | 0.45 | 0.45 | 0.49 | 0.48 | 0.42 | S | 0.45 | 0.52 | 0.51 | 0.42 | 0.44 | 0.43 | 0.45 | 0.45 | 0.43 | 0.48 | 0.55 | 0.47 | 0.54 | C | 0.47 | 0.42 | 0.47 | 0.51 | 0.43 | 0.49 | 0.51 | 0.61 | 0.48 |
| 10:00 | 0.5 | 0.8 | 0.56 | 0.47 | 0.45 | 0.42 | 0.47 | 0.48 | S | 0.63 | 0.44 | 0.52 | 0.49 | 0.42 | 0.41 | 0.41 | 0.45 | 0.44 | 0.43 | 0.47 | 0.5 | 0.43 | 0.5 | C | 0.46 | 0.45 | 0.49 | 0.55 | 0.4 | 0.46 | 0.5 | 0.80 | 0.48 |
| 10:30 | 0.46 | 0.75 | 0.55 | 0.45 | 0.45 | 0.44 | 0.47 | 0.47 | S | 0.57 | 0.44 | 0.5 | 0.46 | 0.44 | 0.44 | 0.42 | 0.45 | 0.45 | 0.43 | 0.49 | 0.52 | 0.41 | 0.45 | C | 0.46 | 0.5 | 0.54 | 0.5 | 0.42 | 0.43 | 0.49 | 0.75 | 0.48 |
| 11:00 | 0.47 | 0.64 | 0.58 | 0.43 | 0.44 | 0.43 | 0.46 | S | 0.46 | 0.57 | 0.44 | 0.49 | 0.48 | 0.44 | 0.42 | 0.42 | 0.42 | 0.42 | 0.45 | 0.54 | 0.61 | 0.42 | 0.44 | C | 0.47 | 0.45 | 0.56 | 0.5 | 0.46 | 0.41 | S | 0.64 | 0.48 |
| 11:30 | 0.5 | 0.61 | 0.57 | 0.43 | 0.45 | 0.44 | 0.47 | S | 0.44 | 0.58 | 0.46 | 0.48 | 0.47 | 0.42 | 0.43 | 0.41 | 0.47 | 0.44 | 0.41 | 0.52 | 0.57 | 0.41 | 0.43 | C | 0.48 | 0.45 | 0.55 | 0.49 | 0.44 | 0.44 | S | 0.61 | 0.47 |
| 12:00 | 0.48 | 0.59 | 0.56 | 0.45 | 0.44 | 0.43 | S | 0.55 | 0.41 | 0.59 | 0.47 | 0.46 | 0.45 | 0.45 | 0.45 | 0.41 | 0.43 | 0.41 | 0.42 | 0.48 | 0.55 | 0.38 | 0.42 | C | 0.46 | 0.46 | 0.5 | 0.48 | 0.44 | S | 0.55 | 0.59 | 0.47 |
| 12:30 | 0.46 | 0.59 | 0.56 | 0.44 | 0.43 | 0.45 | S | 0.49 | 0.42 | 0.56 | 0.45 | 0.48 | 0.45 | 0.44 | 0.46 | 0.4 | 0.4 | 0.41 | 0.42 | 0.5 | 0.54 | 0.38 | 0.4 | C | 0.46 | 0.48 | 0.47 | 0.46 | 0.46 | S | 0.51 | 0.59 | 0.46 |
| 13:00 | 0.45 | 0.59 | 0.53 | 0.45 | 0.45 | S | 0.5 | 0.49 | 0.41 | 0.53 | 0.44 | 0.48 | 0.44 | 0.44 | 0.44 | 0.43 | 0.4 | 0.42 | 0.42 | 0.49 | 0.47 | 0.4 | 0.4 | C | 0.47 | 0.42 | 0.47 | 0.48 | S | 0.5 | 0.5 | 0.59 | 0.46 |
| 13:30 | 0.47 | 0.56 | 0.5 | 0.43 | 0.45 | S | 0.47 | 0.49 | 0.43 | 0.55 | 0.46 | 0.47 | 0.43 | 0.41 | 0.41 | 0.44 | 0.41 | 0.4 | 0.43 | 0.48 | 0.45 | 0.38 | 0.4 | C | 0.45 | 0.44 | 0.48 | 0.46 | S | 0.46 | 0.48 | 0.56 | 0.45 |
| 14:00 | 0.44 | 0.51 | 0.49 | 0.43 | S | 0.49 | 0.45 | 0.49 | 0.41 | 0.54 | 0.47 | 0.45 | 0.44 | 0.42 | 0.43 | 0.44 | 0.41 | 0.4 | 0.42 | 0.48 | 0.47 | 0.38 | 0.41 | 0.59 | 0.47 | 0.43 | 0.45 | S | 0.44 | 0.45 | 0.52 | 0.59 | 0.46 |
| 14:30 | 0.45 | 0.5 | 0.5 | 0.42 | S | 0.47 | 0.43 | 0.48 | 0.4 | 0.52 | 0.46 | 0.46 | 0.43 | 0.42 | 0.44 | 0.44 | 0.4 | 0.41 | 0.43 | 0.49 | 0.49 | 0.4 | 0.4 | 0.35 | 0.43 | 0.42 | 0.44 | S | 0.4 | 0.43 | 0.47 | 0.52 | 0.44 |
| 15:00 | 0.46 | 0.51 | 0.53 | S | 0.52 | 0.47 | 0.43 | 0.47 | 0.4 | 0.49 | 0.46 | 0.44 | 0.43 | 0.43 | 0.41 | 0.41 | 0.41 | 0.42 | 0.44 | 0.47 | 0.45 | 0.41 | 0.39 | 0.29 | 0.44 | 0.42 | S | 0.53 | 0.4 | 0.41 | 0.47 | 0.53 | 0.44 |
| 15:30 | 0.47 | 0.51 | 0.54 | S | 0.49 | 0.48 | 0.45 | 0.48 | 0.39 | 0.49 | 0.46 | 0.45 | 0.41 | 0.44 | 0.44 | 0.4 | 0.41 | 0.41 | 0.43 | 0.55 | 0.43 | 0.37 | 0.4 | 0.24 | 0.44 | 0.45 | S | 0.49 | 0.39 | 0.4 | 0.49 | 0.55 | 0.44 |
| 16:00 | 0.48 | 0.51 | S | 0.47 | 0.47 | 0.49 | 0.44 | 0.47 | 0.41 | 0.48 | 0.45 | 0.45 | 0.41 | 0.43 | 0.43 | 0.4 | 0.42 | 0.43 | 0.42 | 0.63 | 0.43 | 0.39 | 0.4 | 0.24 | 0.43 | S | 0.53 | 0.46 | 0.39 | 0.4 | 0.5 | 0.63 | 0.44 |
| 16:30 | 0.49 | 0.56 | S | 0.46 | 0.48 | 0.52 | 0.44 | 0.48 | 0.41 | 0.46 | 0.46 | 0.44 | 0.41 | 0.43 | 0.45 | 0.4 | 0.44 | 0.41 | 0.42 | 0.62 | 0.42 | 0.4 | 0.38 | 0.34 | 0.47 | S | 0.49 | 0.44 | 0.38 | 0.39 | 0.5 | 0.62 | 0.45 |
| 17:00 | 0.49 | S | 0.59 | 0.45 | 0.47 | 0.45 | 0.43 | 0.48 | 0.4 | 0.46 | 0.45 | 0.43 | 0.42 | 0.43 | 0.46 | 0.4 | 0.44 | 0.41 | 0.43 | 0.62 | 0.43 | 0.36 | 0.36 | 0.34 | S | 0.49 | 0.47 | 0.45 | 0.37 | 0.4 | 0.51 | 0.62 | 0.44 |
| 17:30 | 0.46 | S | 0.52 | 0.43 | 0.46 | 0.44 | 0.46 | 0.49 | 0.42 | 0.44 | 0.45 | 0.46 | 0.41 | 0.44 | 0.44 | 0.39 | 0.43 | 0.4 | 0.41 | 0.63 | 0.41 | 0.39 | 0.39 | 0.37 | S | 0.44 | 0.47 | 0.43 | 0.37 | 0.41 | 0.52 | 0.63 | 0.44 |
| 18:00 | S | 0.58 | 0.53 | 0.45 | 0.47 | 0.47 | 0.47 | 0.51 | 0.42 | 0.44 | 0.47 | 0.46 | 0.41 | 0.43 | 0.45 | 0.4 | 0.44 | 0.39 | 0.44 | 0.58 | 0.43 | 0.38 | 0.39 | S | 0.53 | 0.44 | 0.45 | 0.42 | 0.4 | 0.42 | 0.54 | 0.58 | 0.46 |
| 18:30 | S | 0.58 | 0.49 | 0.46 | 0.44 | 0.46 | 0.47 | 0.52 | 0.41 | 0.46 | 0.45 | 0.46 | 0.43 | 0.42 | 0.46 | 0.41 | 0.44 | 0.41 | 0.45 | 0.56 | 0.42 | 0.38 | 0.39 | S | 0.47 | 0.43 | 0.45 | 0.45 | 0.4 | 0.5 | 0.61 | 0.61 | 0.46 |
| 19:00 | 0.54 | 0.63 | 0.48 | 0.44 | 0.41 | 0.45 | 0.47 | 0.56 | 0.42 | 0.44 | 0.47 | 0.42 | 0.4 | 0.42 | 0.5 | 0.41 | 0.42 | 0.4 | 0.47 | 0.59 | 0.43 | 0.41 | S | 0.54 | 0.43 | 0.45 | 0.48 | 0.43 | 0.43 | 0.48 | 0.51 | 0.63 | 0.46 |
| 19:30 | 0.55 | 0.75 | 0.47 | 0.44 | 0.44 | 0.47 | 0.45 | 0.57 | 0.41 | 0.43 | 0.46 | 0.45 | 0.4 | 0.43 | 0.5 | 0.42 | 0.46 | 0.4 | 0.47 | 0.71 | 0.49 | 0.44 | S | 0.52 | 0.43 | 0.47 | 0.46 | 0.46 | 0.45 | 0.53 | 0.54 | 0.75 | 0.48 |
| 20:00 | 0.57 | 0.74 | 0.47 | 0.49 | 0.41 | 0.57 | 0.45 | 0.56 | 0.41 | 0.45 | 0.46 | 0.46 | 0.41 | 0.45 | 0.54 | 0.42 | 0.46 | 0.42 | 0.47 | 0.68 | 0.49 | S | 0.51 | 0.55 | 0.49 | 0.45 | 0.46 | 0.52 | 0.51 | 0.66 | 0.49 | 0.74 | 0.50 |
| 20:30 | 0.69 | 0.73 | 0.48 | 0.49 | 0.53 | 0.65 | 0.45 | 0.55 | 0.42 | 0.45 | 0.47 | 0.46 | 0.43 | 0.43 | 0.67 | 0.43 | 0.46 | 0.41 | 0.47 | 0.67 | 0.73 | S | 0.46 | 0.48 | 0.69 | 0.46 | 0.53 | 0.57 | 0.54 | 0.52 | 0.49 | 0.73 | 0.53 |
| 21:00 | 0.62 | 0.73 | 0.48 | 0.49 | 0.54 | 0.62 | 0.5 | 0.58 | 0.45 | 0.43 | 0.45 | 0.48 | 0.44 | 0.53 | 0.6 | 0.44 | 0.48 | 0.42 | 0.47 | 0.69 | S | 0.59 | 0.4 | 0.43 | 0.87 | 0.47 | 0.53 | 0.53 | 0.58 | 0.53 | 0.49 | 0.87 | 0.53 |
| 21:30 | 0.51 | 0.77 | 0.52 | 0.47 | 0.49 | 0.56 | 0.51 | 0.6 | 0.44 | 0.44 | 0.45 | 0.46 | 0.47 | 0.48 | 0.65 | 0.49 | 0.51 | 0.46 | 0.48 | 0.67 | S | 0.56 | 0.38 | 0.6 | 0.81 | 0.52 | 0.53 | 0.5 | 0.63 | 0.55 | 0.46 | 0.81 | 0.53 |
| 22:00 | 0.56 | 0.67 | 0.53 | 0.5 | 0.45 | 0.5 | 0.5 | 0.53 | 0.46 | 0.48 | 0.45 | 0.47 | 0.49 | 0.49 | 0.57 | 0.58 | 0.56 | 0.5 | 0.49 | S | 0.52 | 0.5 | 0.39 | 1.79 | 0.76 | 0.49 | 0.58 | 0.53 | 0.54 | 0.57 | 0.48 | 1.79 | 0.56 |
| 22:30 | 0.6 | 0.67 | 0.5 | 0.48 | 0.5 | 0.56 | 0.5 | 0.49 | 0.46 | 0.44 | 0.46 | 0.48 | 0.56 | 0.67 | 0.62 | 0.57 | 0.55 | 0.53 | 0.5 | S | 0.99 | 0.54 | 0.39 | 1.69 | 0.8 | 0.47 | 0.58 | 0.52 | 0.53 | 0.59 | 0.47 | 1.69 | 0.59 |
| 23:00 | 0.63 | 0.65 | 0.52 | 0.49 | 0.49 | 0.56 | 0.52 | 0.5 | 0.49 | 0.46 | 0.47 | 0.47 | 0.56 | 0.66 | 0.62 | 0.54 | 0.51 | 0.56 | S | 0.68 | 0.66 | 0.66 | 0.37 | 1.4 | 1.15 | 0.49 | 0.51 | 0.51 | 0.52 | 0.59 | 0.5 | 1.40 | 0.59 |
| 23:30 | 0.79 | 0.65 | 0.54 | 0.58 | 0.53 | 0.62 | 0.51 | 0.51 | 0.46 | 0.45 | 0.48 | 0.48 | 0.5 | 0.57 | 0.56 | 0.59 | 0.53 | 0.52 | S | 0.66 | 0.71 | 0.63 | 0.4 | 1 | 1.29 | 0.5 | 0.58 | 0.48 | 0.5 | 0.6 | 0.5 | 1.29 | 0.59 |
| Minimum | 0.44 | 0.50 | 0.46 | 0.42 | 0.41 | 0.42 | 0.43 | 0.45 | 0.39 | 0.43 | 0.42 | 0.42 | 0.40 | 0.41 | 0.41 | 0.39 | 0.40 | 0.39 | 0.41 | 0.47 | 0.41 | 0.36 | 0.36 | 0.13 | 0.43 | 0.42 | 0.44 | 0.42 | 0.37 | 0.39 | 0.46 | | |
| Maximum | 0.79 | 0.88 | 0.80 | 0.61 | 1.49 | 0.65 | 0.70 | 0.62 | 0.49 | 0.63 | 0.49 | 0.58 | 0.64 | 0.89 | 1.37 | 1.14 | 1.43 | 0.86 | 1.91 | 0.86 | 0.99 | 1.80 | 1.10 | 1.79 | 1.29 | 1.04 | 0.58 | 2.45 | 0.79 | 1.06 | 1.00 | | |
| Average | 0.53 | 0.65 | 0.56 | 0.48 | 0.59 | 0.50 | 0.52 | 0.53 | 0.43 | 0.51 | 0.46 | 0.49 | 0.48 | 0.51 | 0.62 | 0.53 | 0.62 | 0.50 | 0.66 | 0.61 | 0.61 | 0.71 | 0.56 | 0.53 | 0.61 | 0.54 | 0.50 | 0.74 | 0.50 | 0.54 | 0.59 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



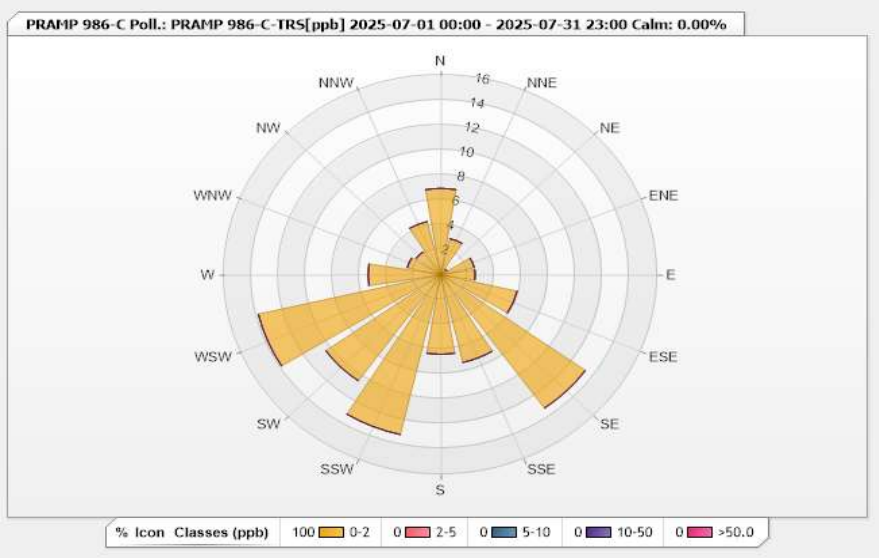



**Station: PRAMP 986-C Poll.: PRAMP 986-C-TRS[ppb]  Monthly: 07-2025**

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 | 6.92 | 0 | 0 | 0 | 0 | 6.92 |
| NNE | 2.97 | 0 | 0 | 0 | 0 | 2.97 |
| NE | 0.56 | 0 | 0 | 0 | 0 | 0.56 |
| ENE | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| E | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| ESE | 5.79 | 0 | 0 | 0 | 0 | 5.79 |
| SE | 13.14 | 0 | 0 | 0 | 0 | 13.14 |
| SSE | 7.2 | 0 | 0 | 0 | 0 | 7.2 |
| S | 6.36 | 0 | 0 | 0 | 0 | 6.36 |
| SSW | 13.14 | 0 | 0 | 0 | 0 | 13.14 |
| SW | 10.45 | 0 | 0 | 0 | 0 | 10.45 |
| WSW | 13.84 | 0 | 0 | 0 | 0 | 13.84 |
| W | 5.37 | 0 | 0 | 0 | 0 | 5.37 |
| WNW | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| NW | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NNW | 4.38 | 0 | 0 | 0 | 0 | 4.38 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *986-C Station - July 2025*

### Summary of Hourly Averages

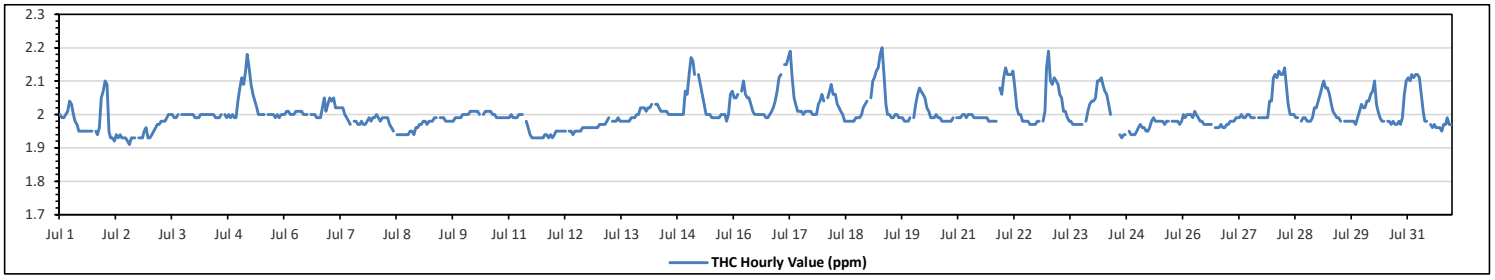
### TOTAL HYDROCARBONS (THC) in ppm

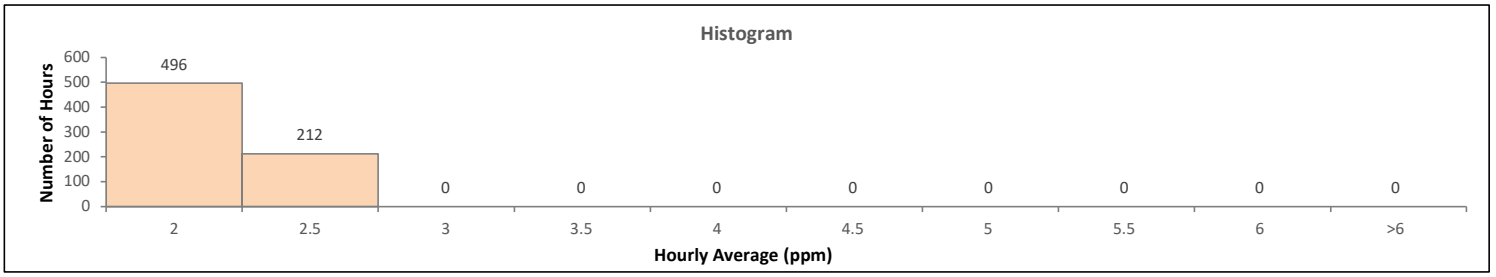
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.20 | ppm | on Jul 19 at hr 7 | Hours in Service: | 744 | |
| Maximum Daily Value: | 2.06 | ppm | on Jul 17 | Hours of Data: | 708 | |
| Minimum Hourly Value: | 1.91 | ppm | on Jul 2 at hr 13 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 1.95 | ppm | on Jul 2 | Hours of Calibration: | 36 | |
| Monthly Average: | 2.00 | 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 | | | |
| Jul 1 | 2.00 | 1.99 | 1.99 | 2.00 | 2.01 | 2.04 | 2.03 | 2.00 | 1.98 | 1.97 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | S | 1.95 | 1.94 | 1.96 | 2.05 | 2.07 | 1.94 | 2.07 | 1.98 |
| Jul 2 | 2.10 | 2.09 | 1.95 | 1.93 | 1.93 | 1.92 | 1.94 | 1.93 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.93 | 1.93 | 1.93 | S | 1.93 | 1.93 | 1.93 | 1.95 | 1.96 | 1.93 | 1.91 | 2.10 | 1.95 |
| Jul 3 | 1.93 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.99 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.93 | 2.00 | 1.98 |
| Jul 4 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | S | 2.00 | 1.99 | 2.00 | 1.99 | 2.00 | 1.99 | 1.99 | 2.04 | 1.99 | 2.04 | 2.00 |
| Jul 5 | 2.08 | 2.11 | 2.09 | 2.13 | 2.18 | 2.14 | 2.09 | 2.06 | 2.04 | 2.02 | 2.00 | 2.00 | 2.00 | 2.00 | S | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 2.00 | 1.99 | 2.00 | 2.00 | 1.99 | 2.18 | 2.04 |
| Jul 6 | 2.00 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | S | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.02 | 2.05 | 2.01 | 2.03 | 1.99 | 2.05 | 2.01 |
| Jul 7 | 2.05 | 2.04 | 2.05 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.00 | 1.99 | 1.98 | 1.97 | S | 1.98 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.99 | 1.98 | 1.99 | 1.97 | 2.05 | 2.00 |
| Jul 8 | 1.99 | 2.00 | 1.99 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.97 | 1.96 | 1.95 | S | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.95 | 1.94 | 1.96 | 1.96 | 1.94 | 2.00 | 1.96 |
| Jul 9 | 1.97 | 1.97 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | S | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 1.97 | 2.00 | 1.98 |
| Jul 10 | 2.00 | 2.00 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | S | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.01 | 2.00 |
| Jul 11 | 1.99 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | S | 1.98 | 1.96 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.93 | 1.94 | 1.93 | 1.93 | 2.00 | 1.96 |
| Jul 12 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | S | 1.95 | 1.95 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.94 | 1.96 | 1.95 |
| Jul 13 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | S | 1.98 | 1.98 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.02 | 2.02 | 1.97 | 2.02 | 1.99 |
| Jul 14 | 2.02 | 2.01 | 2.02 | 2.02 | 2.03 | S | 2.03 | 2.03 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.07 | 2.06 | 2.00 | 2.07 | 2.02 |
| Jul 15 | 2.12 | 2.17 | 2.16 | 2.12 | S | 2.12 | 2.09 | 2.06 | 2.03 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 1.98 | 2.00 | 2.06 | 2.07 | 1.98 | 2.17 | 2.04 |
| Jul 16 | 2.05 | 2.05 | 2.06 | S | 2.07 | 2.10 | 2.06 | 2.05 | 2.05 | 2.03 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.01 | 2.02 | 2.04 | 2.07 | 1.99 | 2.10 | 2.03 |
| Jul 17 | 2.11 | 2.12 | S | 2.15 | 2.15 | 2.17 | 2.19 | 2.11 | 2.05 | 2.03 | 2.01 | 2.01 | 2.01 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.03 | 2.04 | 2.06 | 2.00 | 2.19 | **2.06** |
| Jul 18 | 2.04 | S | 2.05 | 2.07 | 2.09 | 2.06 | 2.06 | 2.03 | 2.02 | 2.01 | 2.00 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | 2.02 | 2.03 | 2.04 | 1.98 | 2.09 | 2.02 |
| Jul 19 | S | 2.05 | 2.10 | 2.11 | 2.13 | 2.14 | 2.18 | **2.20** | 2.12 | 2.03 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.99 | S | 1.98 | **2.20** | 2.04 |
| Jul 20 | 1.99 | 2.03 | 2.06 | 2.08 | 2.07 | 2.06 | 2.05 | 2.02 | 2.01 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | S | 1.99 | 1.98 | 2.08 | 2.01 |
| Jul 21 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | S | 2.08 | 2.06 | 1.98 | 2.08 | 2.00 |
| Jul 22 | 2.11 | 2.14 | 2.12 | 2.12 | 2.12 | 2.13 | 2.08 | 2.02 | 2.00 | 2.00 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | S | 1.98 | 2.01 | 2.14 | 1.97 | 2.14 | 2.03 |
| Jul 23 | 2.19 | 2.10 | 2.09 | 2.11 | 2.10 | 2.09 | 2.06 | 2.05 | 2.01 | 2.01 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 1.98 | 2.01 | 2.03 | 2.04 | 1.97 | 2.19 | 2.03 |
| Jul 24 | 2.04 | 2.05 | 2.10 | 2.10 | 2.11 | 2.09 | 2.07 | 2.06 | 2.03 | 2.00 | C | C | C | C | 1.94 | 1.93 | 1.94 | 1.94 | S | 1.95 | 1.94 | 1.94 | 1.94 | 1.95 | 1.93 | 2.11 | 2.01 |
| Jul 25 | 1.96 | 1.97 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.95 | 1.99 | 1.97 |
| Jul 26 | 2.00 | 1.99 | 2.00 | 2.00 | 2.00 | 1.99 | 2.01 | 2.00 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 1.96 | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 1.97 | 1.96 | 2.01 | 1.98 |
| Jul 27 | 1.97 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | S | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.04 | 2.04 | 1.97 | 2.04 | 1.99 |
| Jul 28 | 2.11 | 2.12 | 2.11 | 2.13 | 2.12 | 2.12 | 2.14 | 2.09 | 2.03 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | S | 1.98 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.99 | 2.02 | 2.02 | 1.98 | 2.14 | 2.04 |
| Jul 29 | 2.04 | 2.06 | 2.08 | 2.10 | 2.08 | 2.08 | 2.06 | 2.03 | 2.01 | 2.00 | 1.99 | 1.99 | 1.98 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.99 | 2.01 | 2.03 | 1.97 | 2.10 | 2.02 |
| Jul 30 | 2.02 | 2.02 | 2.04 | 2.04 | 2.06 | 2.07 | 2.10 | 2.03 | 2.01 | 1.99 | 1.98 | 1.98 | S | 1.98 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.99 | 2.06 | 2.10 | 1.97 | 2.10 | 2.01 |
| Jul 31 | 2.11 | 2.10 | 2.12 | 2.11 | 2.12 | 2.12 | 2.11 | 2.06 | 2.01 | 1.98 | 1.98 | S | 1.97 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.97 | 1.97 | 1.99 | 1.97 | 1.97 | 1.95 | 2.12 | 2.02 |
| Diurnal Maximum | 2.19 | 2.17 | 2.16 | 2.15 | 2.18 | 2.17 | 2.19 | 2.20 | 2.12 | 2.03 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.02 | 2.05 | 2.08 | 2.14 | | | |
| Diurnal Average | 2.03 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.03 | 2.01 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.02 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



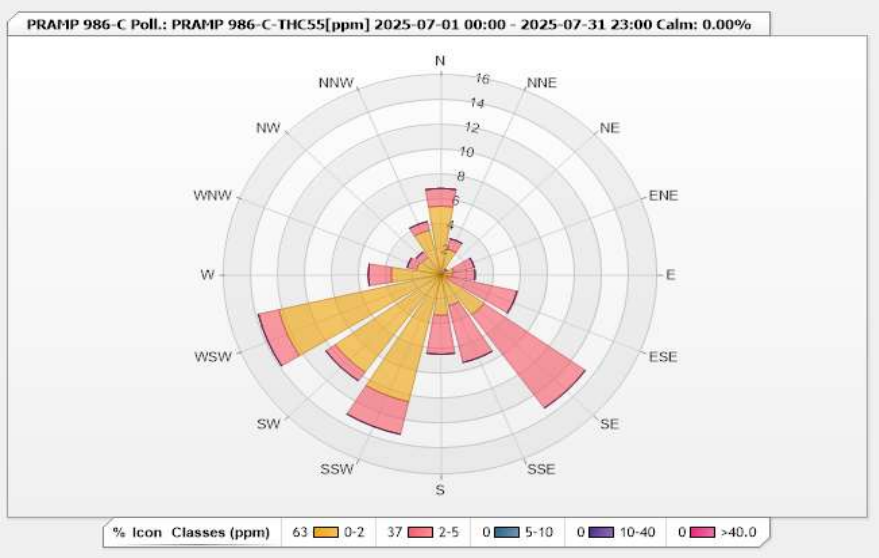



**Station: PRAMP 986-C Poll.: PRAMP 986-C-THC55[ppm] Monthly: 07-2025**

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

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

| Direction | 0-2 | 2-5 | 5-10 | 10-40 | >40.0 | Total |
|---|---|---|---|---|---|---|
| N | 5.51 | 1.41 | 0 | 0 | 0 | 6.92 |
| NNE | 2.12 | 0.85 | 0 | 0 | 0 | 2.97 |
| NE | 0 | 0.56 | 0 | 0 | 0 | 0.56 |
| ENE | 0.99 | 1.55 | 0 | 0 | 0 | 2.54 |
| E | 0.85 | 1.69 | 0 | 0 | 0 | 2.54 |
| ESE | 0.56 | 5.23 | 0 | 0 | 0 | 5.79 |
| SE | 3.95 | 9.18 | 0 | 0 | 0 | 13.13 |
| SSE | 2.54 | 4.66 | 0 | 0 | 0 | 7.2 |
| S | 3.25 | 3.11 | 0 | 0 | 0 | 6.36 |
| SSW | 10.45 | 2.68 | 0 | 0 | 0 | 13.13 |
| SW | 9.6 | 0.85 | 0 | 0 | 0 | 10.45 |
| WSW | 12.29 | 1.55 | 0 | 0 | 0 | 13.84 |
| W | 3.67 | 1.69 | 0 | 0 | 0 | 5.36 |
| WNW | 1.84 | 0.71 | 0 | 0 | 0 | 2.55 |
| NW | 1.69 | 0.56 | 0 | 0 | 0 | 2.25 |
| NNW | 3.67 | 0.71 | 0 | 0 | 0 | 4.38 |
| Summary | 62.98 | 36.99 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *986-C Station - July 2025*

### Summary of Hourly Averages

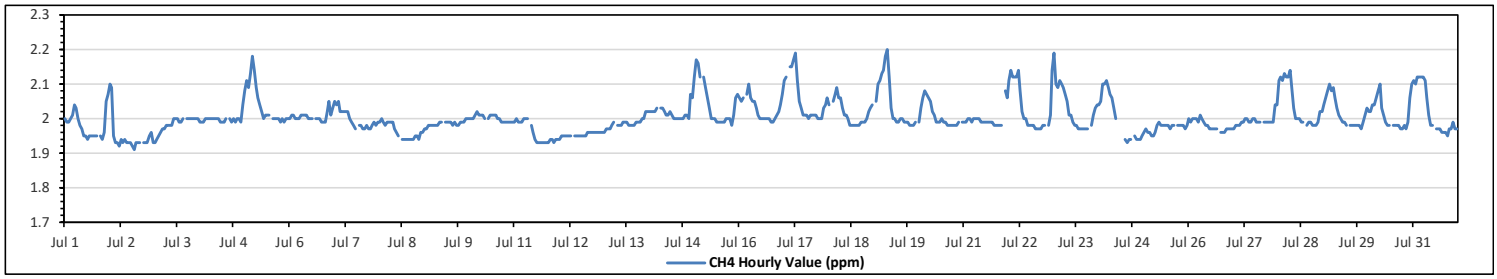
### METHANE (CH4) in ppm

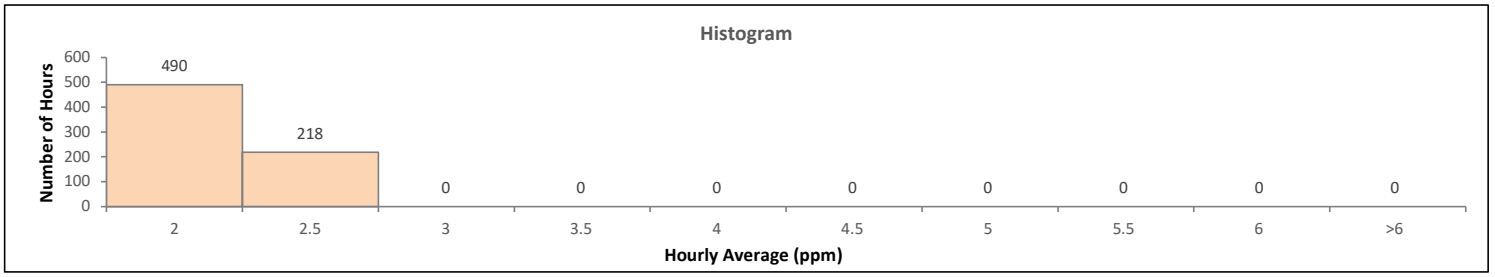
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.20 | ppm | on Jul 19 at hr 7 | Hours in Service: | 744 | |
| Maximum Daily Value: | 2.06 | ppm | on Jul 17 | Hours of Data: | 708 | |
| Minimum Hourly Value: | 1.91 | ppm | on Jul 2 at hr 13 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 1.95 | ppm | on Jul 2 | Hours of Calibration: | 36 | |
| Monthly Average: | 2.00 | 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 | | | |
| Jul 1 | 2.00 | 1.99 | 1.99 | 2.00 | 2.01 | 2.04 | 2.03 | 2.00 | 1.98 | 1.97 | 1.95 | 1.95 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | S | 1.95 | 1.94 | 1.96 | 2.05 | 2.07 | 1.94 | 2.07 | 1.98 |
| Jul 2 | 2.10 | 2.09 | 1.95 | 1.93 | 1.93 | 1.92 | 1.94 | 1.93 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.93 | 1.93 | 1.93 | S | 1.93 | 1.93 | 1.93 | 1.95 | 1.96 | 1.93 | 1.91 | 2.10 | 1.95 |
| Jul 3 | 1.93 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.93 | 2.00 | 1.98 |
| Jul 4 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | S | 2.00 | 1.99 | 2.00 | 1.99 | 2.00 | 2.00 | 1.99 | 2.04 | 1.99 | 2.04 | 2.00 |
| Jul 5 | 2.08 | 2.11 | 2.09 | 2.13 | 2.18 | 2.14 | 2.09 | 2.06 | 2.04 | 2.02 | 2.00 | 2.01 | 2.01 | 2.01 | S | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 2.00 | 1.99 | 2.00 | 2.00 | 1.99 | 2.18 | 2.04 |
| Jul 6 | 2.00 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | S | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.02 | 2.05 | 2.01 | 2.03 | 1.99 | 2.05 | 2.01 |
| Jul 7 | 2.05 | 2.04 | 2.05 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.00 | 1.99 | 1.98 | 1.97 | S | 1.98 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.99 | 1.98 | 1.99 | 1.97 | 2.05 | 2.00 |
| Jul 8 | 1.99 | 2.00 | 1.99 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.97 | 1.96 | 1.95 | S | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.95 | 1.94 | 1.96 | 1.96 | 1.94 | 2.00 | 1.96 |
| Jul 9 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | S | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.99 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 1.97 | 2.00 | 1.99 |
| Jul 10 | 2.00 | 2.00 | 2.00 | 2.01 | 2.02 | 2.01 | 2.01 | 2.01 | 2.00 | S | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.02 | 2.00 |
| Jul 11 | 1.99 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | S | 1.98 | 1.96 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.93 | 1.94 | 1.94 | 1.93 | 2.00 | 1.96 |
| Jul 12 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | S | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.94 | 1.96 | 1.95 |
| Jul 13 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | S | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.02 | 2.02 | 1.96 | 2.02 | 1.99 |
| Jul 14 | 2.02 | 2.02 | 2.02 | 2.02 | 2.03 | S | 2.03 | 2.03 | 2.02 | 2.01 | 2.01 | 2.02 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.01 | 2.00 | 2.07 | 2.06 | 2.00 | 2.07 | 2.02 |
| Jul 15 | 2.12 | 2.17 | 2.16 | 2.12 | S | 2.12 | 2.09 | 2.06 | 2.03 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 1.98 | 2.01 | 2.06 | 2.07 | 1.98 | 2.17 | 2.04 |
| Jul 16 | 2.06 | 2.05 | 2.06 | S | 2.07 | 2.10 | 2.06 | 2.05 | 2.05 | 2.03 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.01 | 2.02 | 2.04 | 2.07 | 1.99 | 2.10 | 2.03 |
| Jul 17 | 2.11 | 2.12 | S | 2.15 | 2.15 | 2.17 | 2.19 | 2.11 | 2.05 | 2.03 | 2.01 | 2.01 | 2.01 | 2.00 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.03 | 2.04 | 2.06 | 2.00 | 2.19 | **2.06** |
| Jul 18 | 2.04 | S | 2.05 | 2.07 | 2.09 | 2.06 | 2.06 | 2.03 | 2.01 | 2.01 | 2.00 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | 2.02 | 2.03 | 2.04 | 1.98 | 2.09 | 2.02 |
| Jul 19 | S | 2.05 | 2.10 | 2.11 | 2.13 | 2.14 | 2.18 | **2.20** | 2.12 | 2.03 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.99 | S | 1.98 | **2.20** | 2.04 |
| Jul 20 | 1.99 | 2.03 | 2.06 | 2.08 | 2.07 | 2.06 | 2.05 | 2.02 | 2.01 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | S | 1.99 | 1.98 | 2.08 | 2.01 |
| Jul 21 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | S | 2.08 | 2.06 | 1.98 | 2.08 | 2.00 |
| Jul 22 | 2.11 | 2.14 | 2.12 | 2.12 | 2.12 | 2.14 | 2.08 | 2.02 | 2.00 | 2.00 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | S | 1.98 | 2.01 | 2.14 | 1.97 | 2.14 | 2.03 |
| Jul 23 | 2.19 | 2.10 | 2.09 | 2.11 | 2.10 | 2.09 | 2.07 | 2.05 | 2.01 | 2.01 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 1.98 | 2.01 | 2.03 | 2.04 | 1.97 | 2.19 | 2.03 |
| Jul 24 | 2.04 | 2.05 | 2.10 | 2.10 | 2.11 | 2.09 | 2.07 | 2.06 | 2.03 | 2.00 | C | C | C | C | 1.94 | 1.93 | 1.94 | 1.94 | S | 1.95 | 1.94 | 1.94 | 1.94 | 1.95 | 1.93 | 2.11 | 2.01 |
| Jul 25 | 1.96 | 1.97 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.98 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.95 | 1.99 | 1.97 |
| Jul 26 | 2.00 | 1.99 | 2.00 | 2.00 | 2.00 | 1.99 | 2.01 | 2.00 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 2.01 | 1.98 |
| Jul 27 | 1.97 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | S | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.04 | 2.04 | 1.97 | 2.04 | 1.99 |
| Jul 28 | 2.11 | 2.12 | 2.11 | 2.13 | 2.12 | 2.12 | 2.14 | 2.09 | 2.03 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | S | 1.98 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.99 | 2.02 | 2.02 | 1.98 | 2.14 | 2.04 |
| Jul 29 | 2.04 | 2.06 | 2.08 | 2.10 | 2.08 | 2.09 | 2.06 | 2.03 | 2.01 | 2.00 | 1.99 | 1.99 | 1.98 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.99 | 2.01 | 2.03 | 1.97 | 2.10 | 2.02 |
| Jul 30 | 2.02 | 2.02 | 2.04 | 2.04 | 2.06 | 2.08 | 2.10 | 2.03 | 2.01 | 1.99 | 1.98 | 1.98 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.99 | 2.06 | 2.10 | 1.97 | 2.10 | 2.01 |
| Jul 31 | 2.11 | 2.10 | 2.12 | 2.12 | 2.12 | 2.12 | 2.11 | 2.06 | 2.01 | 1.98 | 1.98 | S | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.97 | 1.97 | 1.99 | 1.97 | 1.97 | 1.95 | 2.12 | 2.02 |
| Diurnal Maximum | 2.19 | 2.17 | 2.16 | 2.15 | 2.18 | 2.17 | 2.19 | 2.20 | 2.12 | 2.03 | 2.01 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.01 | 2.02 | 2.05 | 2.08 | 2.14 | | | |
| Diurnal Average | 2.03 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.03 | 2.01 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.02 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



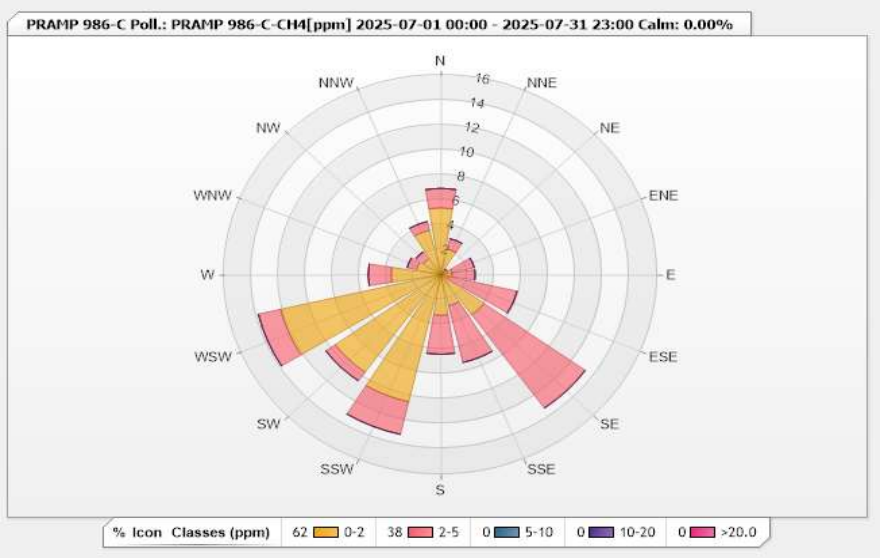



**Station: PRAMP 986-C Poll.: PRAMP 986-C-CH4[ppm] Monthly: 07-2025**

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

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

| Direction | 0-2 | 2-5 | 5-10 | 10-20 | >20.0 | Total |
|---|---|---|---|---|---|---|
| N | 5.37 | 1.55 | 0 | 0 | 0 | 6.92 |
| NNE | 2.12 | 0.85 | 0 | 0 | 0 | 2.97 |
| NE | 0 | 0.56 | 0 | 0 | 0 | 0.56 |
| ENE | 0.85 | 1.69 | 0 | 0 | 0 | 2.54 |
| E | 0.85 | 1.69 | 0 | 0 | 0 | 2.54 |
| ESE | 0.56 | 5.23 | 0 | 0 | 0 | 5.79 |
| SE | 3.95 | 9.18 | 0 | 0 | 0 | 13.13 |
| SSE | 2.54 | 4.66 | 0 | 0 | 0 | 7.2 |
| S | 3.25 | 3.11 | 0 | 0 | 0 | 6.36 |
| SSW | 10.45 | 2.68 | 0 | 0 | 0 | 13.13 |
| SW | 9.6 | 0.85 | 0 | 0 | 0 | 10.45 |
| WSW | 12.15 | 1.69 | 0 | 0 | 0 | 13.84 |
| W | 3.67 | 1.69 | 0 | 0 | 0 | 5.36 |
| WNW | 1.84 | 0.71 | 0 | 0 | 0 | 2.55 |
| NW | 1.55 | 0.71 | 0 | 0 | 0 | 2.26 |
| NNW | 3.67 | 0.71 | 0 | 0 | 0 | 4.38 |
| Summary | 62.42 | 37.56 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *986-C Station - July 2025*

### Summary of Hourly Averages

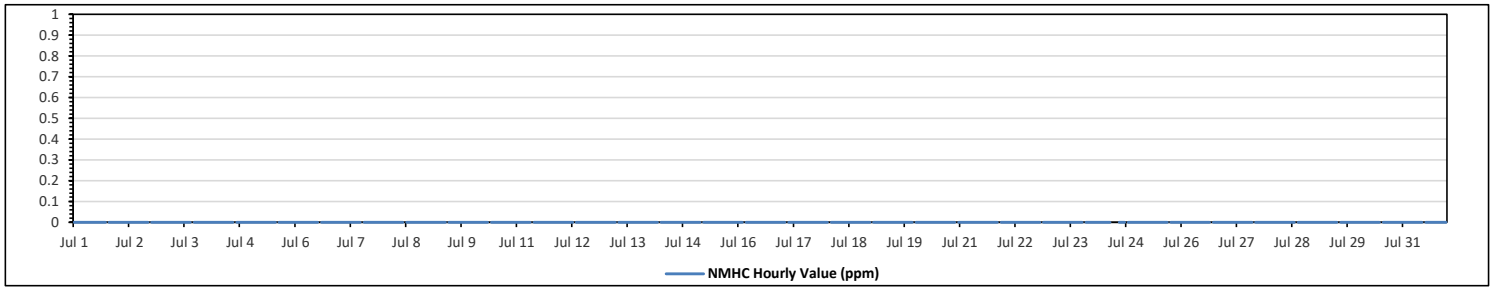
### NON-METHANE HYDROCARBONS (NMHC) in ppm

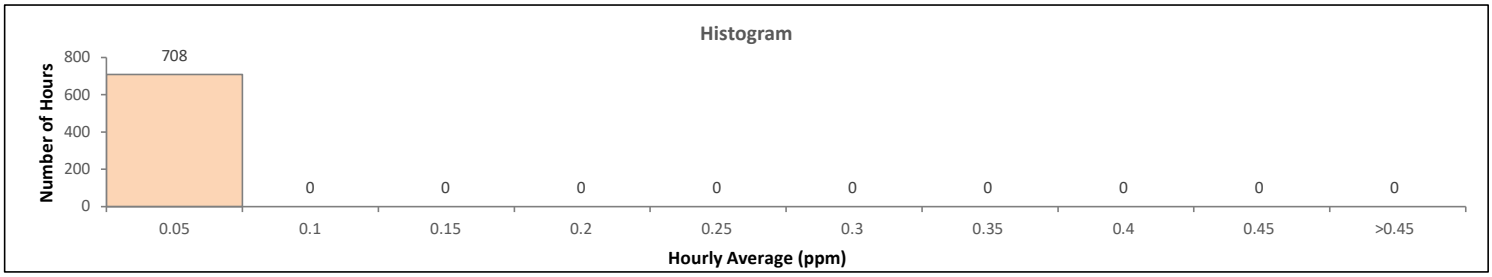
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.00 | ppm | on Jul 1 | Hours of Data: | 708 |
| Minimum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 0.00 | ppm | on Jul 1 | Hours of Calibration: | 36 |
| 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 | | | |
| Jul 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 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 5 | 0.00 | 0.00 | 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 |
| Jul 6 | 0.00 | 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 |
| Jul 7 | 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 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 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 |
| Jul 11 | 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 |
| Jul 12 | 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 |
| Jul 13 | 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 |
| Jul 14 | 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 |
| Jul 15 | 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 |
| Jul 16 | 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 |
| Jul 17 | 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 |
| Jul 18 | 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 |
| Jul 19 | 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 |
| Jul 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 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 24 | 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 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 28 | 0.00 | 0.00 | 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 |
| Jul 29 | 0.00 | 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 |
| Jul 30 | 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 |
| Jul 31 | 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 |
| 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.



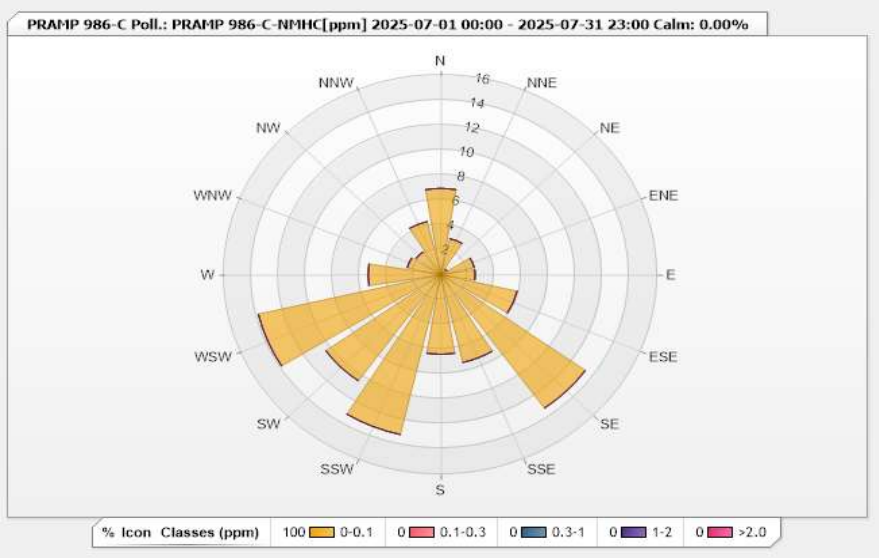



**Station: PRAMP 986-C Poll.: PRAMP 986-C-NMHC[ppm]  Monthly: 07-2025**

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

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

| Direction | 0-0.1 | 0.1-0.3 | 0.3-1 | 1-2 | >2.0 | Total |
|---|---|---|---|---|---|---|
| N | 6.92 | 0 | 0 | 0 | 0 | 6.92 |
| NNE | 2.97 | 0 | 0 | 0 | 0 | 2.97 |
| NE | 0.56 | 0 | 0 | 0 | 0 | 0.56 |
| ENE | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| E | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| ESE | 5.79 | 0 | 0 | 0 | 0 | 5.79 |
| SE | 13.14 | 0 | 0 | 0 | 0 | 13.14 |
| SSE | 7.2 | 0 | 0 | 0 | 0 | 7.2 |
| S | 6.36 | 0 | 0 | 0 | 0 | 6.36 |
| SSW | 13.14 | 0 | 0 | 0 | 0 | 13.14 |
| SW | 10.45 | 0 | 0 | 0 | 0 | 10.45 |
| WSW | 13.84 | 0 | 0 | 0 | 0 | 13.84 |
| W | 5.37 | 0 | 0 | 0 | 0 | 5.37 |
| WNW | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| NW | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NNW | 4.38 | 0 | 0 | 0 | 0 | 4.38 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *986-C Station - July 2025*

### Summary of Hourly Averages

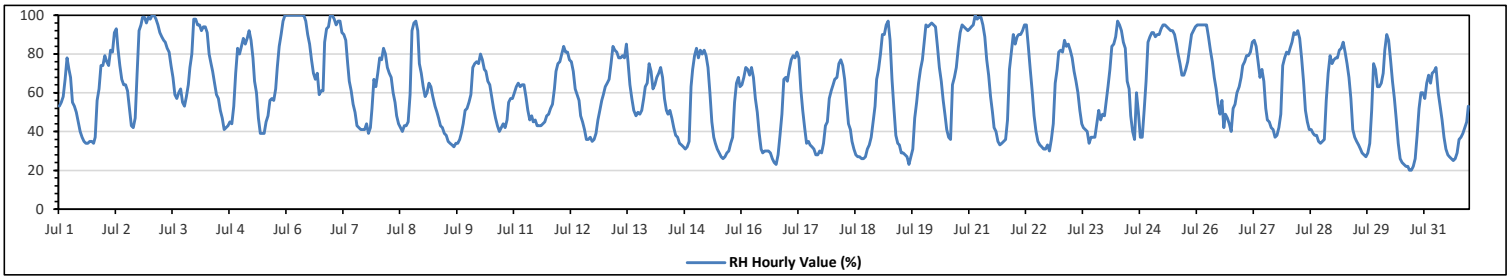
### RELATIVE HUMIDITY (RH) in %

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 100 | % | on Jul 3 at hr 1 | Hours in Service: | 744 | |
| Maximum Daily Value: | 87.9 | % | on Jul 6 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 20 | % | on Jul 30 at hr 16 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 46.0 | % | on Jul 9 | Hours of Calibration: | 0 | |
| Monthly Average: | 61.8 | % | | 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 | | | |
| Jul 1 | 53 | 55 | 58 | 67 | 78 | 72 | 68 | 55 | 53 | 50 | 45 | 40 | 37 | 35 | 34 | 34 | 35 | 35 | 34 | 37 | 56 | 62 | 74 | 74 | 34 | 78 | 51.7 |
| Jul 2 | 79 | 76 | 74 | 82 | 81 | 91 | 93 | 83 | 74 | 67 | 64 | 64 | 61 | 52 | 43 | 42 | 47 | 70 | 92 | 95 | 99 | 99 | 96 | 99 | 42 | 99 | 76.0 |
| Jul 3 | 98 | **100** | **100** | 98 | 95 | 91 | 89 | 87 | 86 | 83 | 81 | 74 | 68 | 59 | 57 | 60 | 62 | 55 | 53 | 58 | 64 | 73 | 80 | 98 | 53 | **100** | 77.9 |
| Jul 4 | 98 | 95 | 95 | 92 | 94 | 94 | 91 | 80 | 75 | 71 | 65 | 59 | 57 | 51 | 47 | 41 | 42 | 43 | 45 | 44 | 53 | 70 | 83 | 80 | 41 | 98 | 69.4 |
| Jul 5 | 84 | 88 | 85 | 88 | 92 | 87 | 78 | 66 | 60 | 47 | 39 | 39 | 39 | 45 | 48 | 56 | 57 | 56 | 62 | 73 | 84 | 90 | 97 | **100** | 39 | **100** | 69.2 |
| Jul 6 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | 97 | 90 | 85 | 77 | 70 | 67 | 70 | 59 | 61 | 61 | 86 | 93 | 94 | **100** | 59 | **100** | **87.9** |
| Jul 7 | **100** | 98 | 95 | 97 | 97 | 91 | 90 | 87 | 75 | 66 | 61 | 54 | 50 | 43 | 42 | 41 | 41 | 41 | 44 | 39 | 42 | 52 | 67 | 63 | 39 | **100** | 65.7 |
| Jul 8 | 70 | 78 | 77 | 83 | 80 | 73 | 70 | 68 | 60 | 55 | 48 | 44 | 42 | 40 | 43 | 43 | 45 | 59 | 92 | 96 | 97 | 92 | 75 | 70 | 40 | 97 | 66.7 |
| Jul 9 | 63 | 58 | 60 | 65 | 63 | 58 | 53 | 50 | 47 | 43 | 42 | 39 | 38 | 35 | 34 | 33 | 32 | 34 | 34 | 36 | 39 | 44 | 51 | 52 | 32 | 65 | **46.0** |
| Jul 10 | 55 | 59 | 73 | 75 | 76 | 75 | 80 | 77 | 72 | 71 | 66 | 64 | 58 | 52 | 47 | 43 | 40 | 42 | 44 | 42 | 46 | 55 | 57 | 57 | 40 | 80 | 59.4 |
| Jul 11 | 60 | 63 | 65 | 63 | 64 | 64 | 58 | 51 | 46 | 48 | 45 | 46 | 43 | 43 | 43 | 44 | 45 | 48 | 49 | 52 | 54 | 62 | 71 | 75 | 43 | 75 | 54.3 |
| Jul 12 | 76 | 80 | 84 | 81 | 81 | 77 | 76 | 71 | 62 | 59 | 56 | 48 | 45 | 41 | 36 | 36 | 37 | 35 | 36 | 39 | 46 | 51 | 56 | 59 | 35 | 84 | 57.0 |
| Jul 13 | 63 | 65 | 67 | 75 | 84 | 82 | 81 | 78 | 78 | 79 | 78 | 85 | 76 | 64 | 57 | 51 | 48 | 50 | 49 | 51 | 57 | 63 | 65 | 75 | 48 | 85 | 67.5 |
| Jul 14 | 71 | 62 | 64 | 68 | 70 | 73 | 68 | 57 | 51 | 49 | 51 | 47 | 42 | 38 | 37 | 34 | 33 | 32 | 31 | 32 | 35 | 63 | 72 | 79 | 31 | 79 | 52.5 |
| Jul 15 | 83 | 78 | 82 | 80 | 82 | 79 | 73 | 60 | 45 | 37 | 34 | 31 | 29 | 27 | 26 | 27 | 29 | 30 | 34 | 37 | 55 | 65 | 68 | 63 | 26 | 83 | 52.3 |
| Jul 16 | 64 | 68 | 73 | 72 | 69 | 73 | 68 | 57 | 50 | 39 | 31 | 29 | 30 | 30 | 30 | 29 | 26 | 24 | 23 | 28 | 38 | 49 | 67 | 68 | 23 | 73 | 47.3 |
| Jul 17 | 66 | 72 | 77 | 79 | 78 | 81 | 78 | 62 | 51 | 42 | 34 | 35 | 33 | 32 | 31 | 28 | 28 | 30 | 29 | 34 | 43 | 45 | 57 | 61 | 28 | 81 | 50.3 |
| Jul 18 | 64 | 67 | 68 | 75 | 77 | 74 | 67 | 55 | 44 | 41 | 35 | 31 | 28 | 27 | 27 | 26 | 26 | 27 | 31 | 33 | 37 | 45 | 53 | 67 | 26 | 77 | 46.9 |
| Jul 19 | 72 | 80 | 90 | 90 | 95 | 97 | 87 | 67 | 52 | 38 | 34 | 33 | 29 | 29 | 28 | 27 | 23 | 27 | 31 | 47 | 55 | 65 | 72 | 77 | 23 | 97 | 56.0 |
| Jul 20 | 85 | 95 | 94 | 95 | 96 | 95 | 94 | 84 | 73 | 66 | 56 | 48 | 41 | 37 | 36 | 64 | 68 | 73 | 83 | 91 | 95 | 94 | 93 | 92 | 36 | 96 | 77.0 |
| Jul 21 | 93 | 94 | 95 | **100** | 98 | 99 | 99 | 95 | 89 | 77 | 69 | 58 | 50 | 42 | 40 | 35 | 33 | 34 | 35 | 36 | 46 | 72 | 81 | 90 | 33 | **100** | 69.2 |
| Jul 22 | 85 | 89 | 90 | 90 | 92 | 95 | 95 | 84 | 72 | 61 | 48 | 40 | 35 | 33 | 32 | 31 | 31 | 33 | 30 | 36 | 44 | 65 | 72 | 81 | 30 | 95 | 61.0 |
| Jul 23 | 82 | 81 | 87 | 84 | 85 | 82 | 78 | 71 | 66 | 60 | 51 | 44 | 42 | 41 | 40 | 34 | 37 | 37 | 37 | 44 | 51 | 46 | 49 | 48 | 34 | 87 | 57.4 |
| Jul 24 | 55 | 63 | 72 | 84 | 85 | 89 | 97 | 95 | 92 | 86 | 83 | 66 | 62 | 48 | 40 | 36 | 60 | 50 | 37 | 37 | 51 | 66 | 86 | 89 | 36 | 97 | 67.9 |
| Jul 25 | 91 | 91 | 89 | 90 | 90 | 93 | 95 | 95 | 94 | 93 | 92 | 92 | 90 | 85 | 80 | 75 | 69 | 69 | 72 | 76 | 83 | 90 | 92 | 94 | 69 | 95 | 86.7 |
| Jul 26 | 95 | 95 | 95 | 95 | 95 | 95 | 89 | 82 | 76 | 68 | 62 | 54 | 49 | 56 | 42 | 49 | 47 | 44 | 40 | 52 | 54 | 60 | 63 | 68 | 40 | 95 | 67.7 |
| Jul 27 | 74 | 76 | 79 | 79 | 81 | 86 | 87 | 84 | 76 | 68 | 72 | 66 | 52 | 46 | 45 | 42 | 41 | 37 | 38 | 42 | 49 | 74 | 78 | 81 | 37 | 87 | 64.7 |
| Jul 28 | 80 | 83 | 86 | 91 | 90 | 92 | 88 | 78 | 66 | 51 | 45 | 41 | 41 | 39 | 38 | 38 | 35 | 34 | 35 | 36 | 56 | 70 | 79 | 75 | 34 | 92 | 61.1 |
| Jul 29 | 77 | 78 | 78 | 82 | 83 | 86 | 81 | 75 | 68 | 57 | 41 | 37 | 35 | 33 | 31 | 29 | 28 | 27 | 29 | 34 | 51 | 75 | 72 | 63 | 27 | 86 | 56.3 |
| Jul 30 | 63 | 65 | 70 | 82 | 90 | 87 | 77 | 66 | 57 | 46 | 34 | 26 | 24 | 23 | 22 | 22 | **20** | **20** | 22 | 26 | 38 | 52 | 60 | 60 | **20** | 90 | 48.0 |
| Jul 31 | 57 | 65 | 69 | 65 | 70 | 71 | 73 | 60 | 53 | 46 | 37 | 31 | 28 | 27 | 26 | 25 | 26 | 29 | 36 | 37 | 39 | 42 | 45 | 53 | 25 | 73 | 46.3 |
| Diurnal Maximum | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 97 | 92 | 90 | 85 | 80 | 75 | 70 | 73 | 92 | 96 | 99 | 99 | 97 | 100 | | | |
| Diurnal Average | 76.0 | 78.0 | 80.4 | 82.8 | 84.2 | 83.9 | 81.3 | 73.5 | 66.5 | 60.1 | 54.7 | 50.2 | 46.4 | 42.9 | 40.4 | 40.1 | 40.7 | 41.4 | 44.1 | 47.8 | 56.2 | 65.9 | 71.8 | 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***

***986-C Station - July 2025***

**Summary of Hourly Averages**

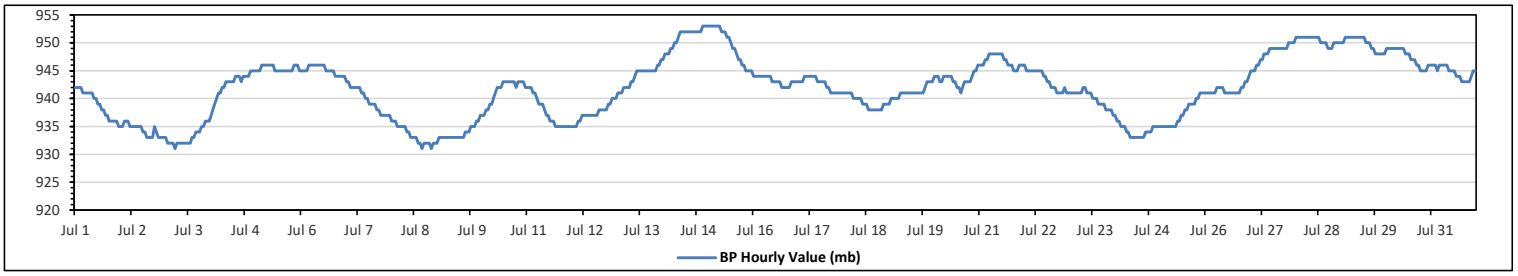
**BAROMETRIC PRESSURE (BP) in millibar**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 953 mb | on Jul 14 at hr 21 | Hours in Service: | 744 | |
| Maximum Daily Value: | 951 mb | on Jul 14 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 931 mb | on Jul 3 at hr 5 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 933 mb | on Jul 3 | Hours of Calibration: | 0 | |
| Monthly Average: | 942 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 |
| Jul 1 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 935 | 935 | 942 | 939 |
| Jul 2 | 935 | 935 | 936 | 936 | 936 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 934 | 934 | 933 | 933 | 933 | 933 | 935 | 934 | 933 | 933 | 933 | 933 | 933 | 936 | 934 |
| Jul 3 | 933 | 932 | 932 | 932 | 932 | **931** | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 933 | 933 | 934 | 934 | 934 | 935 | 935 | 936 | 936 | 936 | **931** | 936 | **933** |
| Jul 4 | 937 | 938 | 939 | 940 | 941 | 941 | 942 | 942 | 943 | 943 | 943 | 943 | 943 | 944 | 944 | 944 | 943 | 944 | 944 | 944 | 944 | 945 | 945 | 945 | 937 | 945 | 943 |
| Jul 5 | 945 | 945 | 945 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 946 | 946 | 946 | 945 | 945 | 946 | 945 |
| Jul 6 | 945 | 945 | 945 | 945 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 946 | 945 |
| Jul 7 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 940 | 940 | 939 | 939 | 939 | 939 | 938 | 938 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 943 | 940 |
| Jul 8 | 936 | 936 | 936 | 935 | 935 | 935 | 935 | 935 | 934 | 934 | 933 | 933 | 933 | 933 | 932 | 932 | **931** | 932 | 932 | 932 | 932 | **931** | 932 | 932 | **931** | 936 | 933 |
| Jul 9 | 932 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 934 | 934 | 934 | 935 | 935 | 935 | 936 | 936 | 937 | 932 | 937 | 934 |
| Jul 10 | 937 | 937 | 938 | 938 | 939 | 939 | 940 | 941 | 942 | 942 | 942 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 943 | 943 | 943 | 943 | 942 | 937 | 943 | 941 |
| Jul 11 | 942 | 942 | 942 | 941 | 941 | 940 | 939 | 939 | 939 | 938 | 937 | 937 | 936 | 936 | 936 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 942 | 938 |
| Jul 12 | 935 | 935 | 935 | 936 | 936 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 938 | 938 | 938 | 938 | 938 | 939 | 939 | 940 | 940 | 940 | 935 | 940 | 937 |
| Jul 13 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | 943 | 943 | 944 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 946 | 946 | 947 | 941 | 947 | 944 |
| Jul 14 | 947 | 948 | 948 | 948 | 949 | 949 | 950 | 950 | 951 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | **953** | **953** | **953** | 947 | **953** | **951** |
| Jul 15 | **953** | **953** | **953** | **953** | **953** | **953** | **953** | 952 | 952 | 952 | 951 | 951 | 950 | 949 | 949 | 948 | 947 | 947 | 946 | 946 | 945 | 945 | 945 | 945 | 945 | **953** | 950 |
| Jul 16 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 943 | 942 | 944 | 943 |
| Jul 17 | 943 | 943 | 943 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 944 | 943 |
| Jul 18 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 939 | 939 | 939 | 938 | 941 | 939 |
| Jul 19 | 939 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 943 | 943 | 943 | 943 | 939 | 943 | 941 |
| Jul 20 | 944 | 944 | 944 | 943 | 943 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 942 | 942 | 941 | 942 | 943 | 943 | 943 | 943 | 944 | 945 | 945 | 946 | 941 | 946 | 943 |
| Jul 21 | 946 | 946 | 946 | 947 | 947 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 947 | 947 | 946 | 946 | 946 | 945 | 945 | 945 | 946 | 946 | 946 | 945 | 948 | 947 |
| Jul 22 | 946 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 943 | 943 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 942 | 941 | 941 | 941 | 946 | 943 |
| Jul 23 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 941 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 939 | 939 | 938 | 938 | 938 | 938 | 937 | 937 | 942 | 940 |
| Jul 24 | 937 | 936 | 936 | 935 | 935 | 935 | 934 | 934 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 934 | 934 | 934 | 934 | 935 | 935 | 935 | 935 | 933 | 937 | 934 |
| Jul 25 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 936 | 936 | 937 | 937 | 938 | 938 | 939 | 939 | 939 | 939 | 940 | 940 | 941 | 941 | 941 | 935 | 941 | 937 |
| Jul 26 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 943 | 943 | 944 | 941 | 944 | 942 |
| Jul 27 | 945 | 945 | 945 | 946 | 946 | 947 | 947 | 948 | 948 | 948 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 950 | 950 | 950 | 950 | 945 | 950 | 948 |
| Jul 28 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 950 | 950 | 950 | 950 | 949 | 949 | 949 | 950 | 950 | 950 | 950 | 949 | 951 | 950 |
| Jul 29 | 950 | 950 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 950 | 950 | 950 | 949 | 949 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 951 | 950 |
| Jul 30 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 948 | 948 | 948 | 947 | 947 | 947 | 946 | 946 | 945 | 945 | 945 | 945 | 946 | 946 | 945 | 949 | 947 |
| Jul 31 | 946 | 946 | 946 | 945 | 946 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 944 | 945 | 945 | 943 | 946 | 945 |
| Diurnal Maximum | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 953 | 953 | 953 | | | |
| Diurnal Average | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025***

**Summary of Hourly Averages**

**AMBIENT TEMPERATURE (AT) in Degree Celsius**

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 32.3 | °C | on Jul 31 at hr 15 | Hours in Service: | 744 | |
| Maximum Daily Value: | 24.8 | °C | on Jul 31 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 5.0 | °C | on Jul 22 at hr 4 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 12.1 | °C | on Jul 25 | Hours of Calibration: | 0 | |
| Monthly Average: | 16.8 | °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 | | | |
| Jul 1 | 18.2 | 18 | 17.5 | 15.6 | 13.4 | 15.3 | 17.6 | 20.2 | 21.4 | 22.5 | 23.4 | 24.4 | 25.5 | 26 | 26.5 | 26.4 | 26.6 | 26.7 | 27 | 26.1 | 23.3 | 20.6 | 17.7 | 17.4 | 13.4 | 27.0 | 21.6 |
| Jul 2 | 16.3 | 16.6 | 17.3 | 15.7 | 16 | 14.7 | 15.1 | 17.5 | 19.3 | 20.5 | 20.5 | 21.3 | 22.6 | 24 | 24.9 | 24.6 | 23.8 | 19 | 14.3 | 14 | 13.6 | 13.3 | 13.2 | 12.9 | 12.9 | 24.9 | 18.0 |
| Jul 3 | 12.4 | 11.7 | 11.4 | 10.8 | 10.3 | 10.2 | 10.5 | 10.8 | 12 | 13.8 | 15.1 | 16.5 | 16.8 | 17.5 | 16.8 | 16.1 | 15.3 | 16 | 15.7 | 14 | 12.9 | 11.8 | 11.1 | 9.6 | 9.6 | 17.5 | 13.3 |
| Jul 4 | 9.3 | 8.5 | 8.2 | 8.5 | 8.4 | 8.6 | 9.5 | 11.6 | 13 | 14.4 | 16.1 | 17.3 | 17.1 | 18 | 18.5 | 19.7 | 19.9 | 19.8 | 19.3 | 19.4 | 17.3 | 14.3 | 11.7 | 12.3 | 8.2 | 19.9 | 14.2 |
| Jul 5 | 11.2 | 10.6 | 10.8 | 9.8 | 9.9 | 11.1 | 12.9 | 16 | 18.2 | 20.1 | 21.2 | 22 | 22 | 21.4 | 20.4 | 19.3 | 19.1 | 19.3 | 18.5 | 16.2 | 14.7 | 14.2 | 13.3 | 12.9 | 9.8 | 22.0 | 16.0 |
| Jul 6 | 12.7 | 12.6 | 12.5 | 12.5 | 12.6 | 12.4 | 12.4 | 12.8 | 13.1 | 13.1 | 13.7 | 15 | 15.9 | 17.9 | 18.9 | 19.6 | 18.6 | 19.5 | 19.7 | 19.5 | 16.7 | 15.5 | 14.9 | 13.8 | 12.4 | 19.7 | 15.2 |
| Jul 7 | 12.7 | 12.5 | 12.5 | 12.2 | 11.9 | 12.8 | 13.2 | 13.8 | 16 | 18 | 19 | 20 | 20.8 | 21.9 | 22.4 | 22.2 | 23 | 23 | 23 | 22.8 | 20.8 | 18.4 | 15.5 | 16.2 | 11.9 | 23.0 | 17.7 |
| Jul 8 | 15.2 | 13.8 | 13.5 | 12.4 | 13 | 14.8 | 15.7 | 17.1 | 19.6 | 20.8 | 21.8 | 23.4 | 23.6 | 24.2 | 23.8 | 24.3 | 23.7 | 20.3 | 16.2 | 15.6 | 15.5 | 15.5 | 15.5 | 14.8 | 12.4 | 24.3 | 18.1 |
| Jul 9 | 14.2 | 13 | 11.9 | 11 | 10.8 | 11.5 | 12.1 | 12.8 | 13.9 | 14 | 14.6 | 15.6 | 16.4 | 17.7 | 18.6 | 19.4 | 20 | 19.4 | 19.4 | 18.6 | 17.8 | 16.7 | 15.1 | 15 | 10.8 | 20.0 | 15.4 |
| Jul 10 | 14.6 | 13.5 | 10.9 | 10.2 | 9.5 | 10.3 | 10.9 | 12.9 | 13.9 | 14.8 | 16.6 | 17.4 | 18.9 | 20.2 | 21.2 | 21.9 | 22.9 | 23 | 22.2 | 21.7 | 20 | 17.4 | 16.6 | 16.2 | 9.5 | 23.0 | 16.6 |
| Jul 11 | 15.2 | 14.3 | 13.3 | 13.5 | 13.3 | 13.3 | 14.7 | 17 | 18.6 | 18.7 | 20.6 | 21.9 | 23.2 | 23.3 | 23.6 | 23.2 | 22.4 | 21.8 | 21.4 | 20.5 | 20.2 | 18.9 | 17.8 | 17.2 | 13.3 | 23.6 | 18.7 |
| Jul 12 | 16.8 | 15.7 | 13.9 | 14 | 13.9 | 14.7 | 15.3 | 16.5 | 18.3 | 18.9 | 19.2 | 20.1 | 20.6 | 21.2 | 22.1 | 22.2 | 21.5 | 21.1 | 21.2 | 20.5 | 18.7 | 17.1 | 15.9 | 15.5 | 13.9 | 22.2 | 18.1 |
| Jul 13 | 14.8 | 14.3 | 13.7 | 12.1 | 10.9 | 11.7 | 12.5 | 13.5 | 13.8 | 13.9 | 14 | 13.4 | 15.4 | 16.9 | 17.8 | 18.5 | 19 | 18.4 | 18.8 | 18.3 | 16.8 | 15 | 14 | 12.6 | 10.9 | 19.0 | 15.0 |
| Jul 14 | 12.2 | 12.2 | 11.8 | 11 | 10.8 | 10.5 | 12 | 14.5 | 15.6 | 16.3 | 16.5 | 17.1 | 17.9 | 18.5 | 19 | 19.4 | 19.9 | 20 | 19.8 | 19.4 | 18.1 | 12.6 | 10.6 | 8.7 | 8.7 | 20.0 | 15.2 |
| Jul 15 | 7.6 | 7.6 | 6.6 | 7.2 | 7.3 | 8.2 | 11.1 | 15.1 | 18.3 | 20.1 | 21.1 | 22 | 22.7 | 23.4 | 23.8 | 23.7 | 23.7 | 23.6 | 22.9 | 22.3 | 18.9 | 15 | 13.5 | 13.8 | 6.6 | 23.8 | 16.6 |
| Jul 16 | 13.5 | 12.7 | 11.9 | 12.4 | 12.8 | 12.3 | 14.5 | 17.5 | 19.7 | 22 | 23.2 | 23.9 | 24.5 | 25 | 25.2 | 24.6 | 25.2 | 25.1 | 24.8 | 23.5 | 20.8 | 17.7 | 13.5 | 12.9 | 11.9 | 25.2 | 19.1 |
| Jul 17 | 12.8 | 11.1 | 10 | 10.1 | 10.3 | 10.1 | 12.6 | 16.9 | 19.7 | 21.5 | 22.6 | 23 | 23.7 | 23.6 | 24.4 | 25.1 | 25 | 24.3 | 24.8 | 23.2 | 20.5 | 18.1 | 14.4 | 13.3 | 10.0 | 25.1 | 18.4 |
| Jul 18 | 13.1 | 12.8 | 13.4 | 12.5 | 12.4 | 13.3 | 15.4 | 18.7 | 21.6 | 22.7 | 24 | 25 | 25.5 | 26.4 | 26.3 | 26.6 | 26.7 | 26.1 | 25.5 | 24.8 | 22.9 | 20.3 | 18.2 | 14.6 | 12.4 | 26.7 | 20.4 |
| Jul 19 | 13.8 | 13.4 | 11 | 11.3 | 9.4 | 8.4 | 12.2 | 17.2 | 21.1 | 23.2 | 24.3 | 24.6 | 25.6 | 25.1 | 26 | 26.1 | 27 | 26.1 | 25 | 22.1 | 20.4 | 18.4 | 16.7 | 15.2 | 8.4 | 27.0 | 19.3 |
| Jul 20 | 13.5 | 11.7 | 11.2 | 10.6 | 10.2 | 10.8 | 12.5 | 15.6 | 18 | 19.7 | 21.9 | 23.4 | 24.7 | 25.8 | 25.2 | 19.8 | 18.8 | 17.3 | 15.9 | 15.1 | 15 | 14.2 | 12.8 | 12.3 | 10.2 | 25.8 | 16.5 |
| Jul 21 | 11.9 | 11.6 | 11.4 | 10.6 | 9.9 | 9.7 | 9.6 | 10 | 10.9 | 12 | 12.5 | 13.6 | 14.6 | 15.6 | 16.2 | 17 | 17.2 | 17.6 | 17.4 | 17 | 15.4 | 10.6 | 8.9 | 6.1 | 6.1 | 17.6 | 12.8 |
| Jul 22 | 6.4 | 5.4 | 5.3 | 5.3 | **5** | 5.2 | 8.2 | 11.3 | 13.7 | 16 | 17.7 | 18.8 | 19 | 19.9 | 20.5 | 21 | 20.9 | 20.5 | 20.8 | 19.8 | 17.8 | 12.1 | 10.3 | 8.9 | **5.0** | 21.0 | 13.7 |
| Jul 23 | 8.6 | 8.4 | 8.2 | 9.1 | 8.7 | 9.8 | 11.7 | 13.4 | 14.5 | 16.1 | 18.2 | 19.6 | 20.7 | 21.3 | 21.5 | 21.9 | 21.7 | 21.8 | 21.4 | 19.1 | 17.6 | 16 | 14.8 | 15.4 | 8.2 | 21.9 | 15.8 |
| Jul 24 | 14.3 | 12.8 | 11.8 | 10.7 | 11.5 | 12.2 | 12.8 | 14.1 | 15.9 | 16.9 | 17.2 | 19.9 | 20.2 | 21.8 | 22.7 | 23.5 | 18.9 | 20.4 | 20.6 | 20.1 | 17.8 | 15 | 11.6 | 10.5 | 10.5 | 23.5 | 16.4 |
| Jul 25 | 9.6 | 9.1 | 9.1 | 8.7 | 9.8 | 9.5 | 10 | 11.1 | 11.4 | 11.7 | 11.7 | 12.1 | 13 | 14.1 | 14.8 | 15.3 | 16.4 | 16.8 | 15.4 | 14.4 | 13.4 | 11.8 | 10.5 | 9.6 | 8.7 | 16.8 | **12.1** |
| Jul 26 | 9.2 | 9.2 | 9.5 | 9.4 | 8.4 | 7.5 | 11.1 | 12.8 | 14.3 | 16.1 | 17.3 | 18.5 | 18.5 | 16 | 19.1 | 18.8 | 19.1 | 19.2 | 18.9 | 16.7 | 16.4 | 14.8 | 14.3 | 13.4 | 7.5 | 19.2 | 14.5 |
| Jul 27 | 12.3 | 11.7 | 11.3 | 11.3 | 11.1 | 10.6 | 10.4 | 10.9 | 12.3 | 13.4 | 12.4 | 13.2 | 15 | 15.3 | 15.4 | 15.8 | 15.9 | 16.5 | 16.4 | 15.7 | 14 | 9.3 | 7.6 | 6.8 | 6.8 | 16.5 | 12.7 |
| Jul 28 | 7.1 | 6.3 | 6 | 5.4 | 6.6 | 6.6 | 8.7 | 11.5 | 14.3 | 16.4 | 17.8 | 18.7 | 19.3 | 19.7 | 20.3 | 20.6 | 21.5 | 21.9 | 21.7 | 21.8 | 18 | 13.7 | 10.8 | 11.2 | 5.4 | 21.9 | 14.4 |
| Jul 29 | 10.4 | 10.3 | 10.6 | 9.8 | 10.3 | 10.4 | 13.6 | 16.4 | 18.4 | 21.2 | 23 | 23.8 | 24.6 | 25.4 | 26.1 | 26.4 | 27 | 27.3 | 26.6 | 25.1 | 21 | 15 | 14.4 | 16 | 9.8 | 27.3 | 18.9 |
| Jul 30 | 16 | 15.9 | 14.9 | 12.8 | 10.7 | 11.2 | 15.1 | 19.4 | 21.7 | 24.5 | 26.7 | 28 | 28.9 | 29.7 | 30.3 | 30.5 | 30.9 | 31 | 30.7 | 29.2 | 25.7 | 19.9 | 17.2 | 16.8 | 10.7 | 31.0 | 22.4 |
| Jul 31 | 17.3 | 15.6 | 15.5 | 16.5 | 15.5 | 16 | 17.8 | 22.7 | 25.3 | 27.4 | 29.1 | 30.4 | 31.1 | 31.5 | 32.2 | **32.3** | 31.7 | 30.8 | 29.6 | 28.3 | 26.8 | 25.4 | 24.2 | 21.8 | 15.5 | **32.3** | **24.8** |
| Diurnal Maximum | 18.2 | 18.0 | 17.5 | 16.5 | 16.0 | 16.0 | 17.8 | 22.7 | 25.3 | 27.4 | 29.1 | 30.4 | 31.1 | 31.5 | 32.2 | 32.3 | 31.7 | 31.0 | 30.7 | 29.2 | 26.8 | 25.4 | 24.2 | 21.8 | | | |
| Diurnal Average | 12.7 | 12.0 | 11.5 | 11.1 | 10.8 | 11.1 | 12.6 | 14.9 | 16.7 | 18.1 | 19.1 | 20.1 | 20.9 | 21.6 | 22.1 | 22.1 | 22.0 | 21.7 | 21.1 | 20.2 | 18.3 | 15.8 | 14.1 | 13.3 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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.
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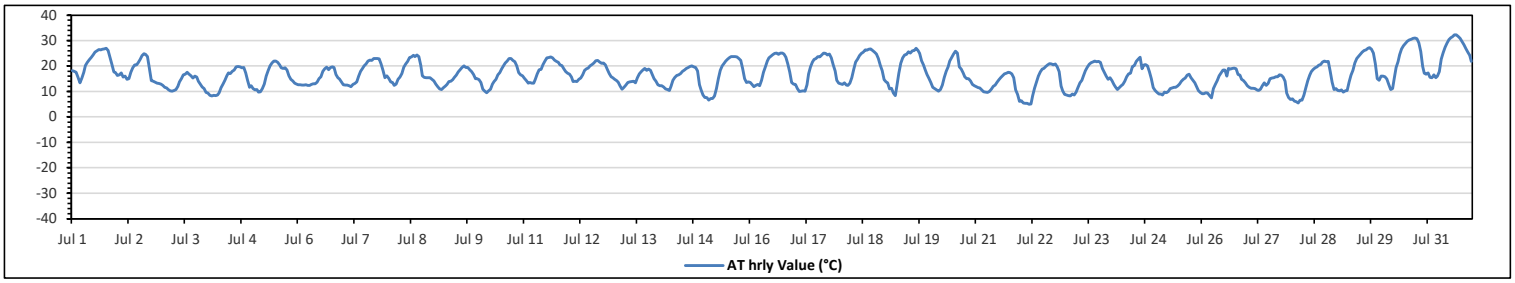


## *Peace River Area Monitoring Program*

### *986-C Station - July 2025*

### Summary of Hourly Averages

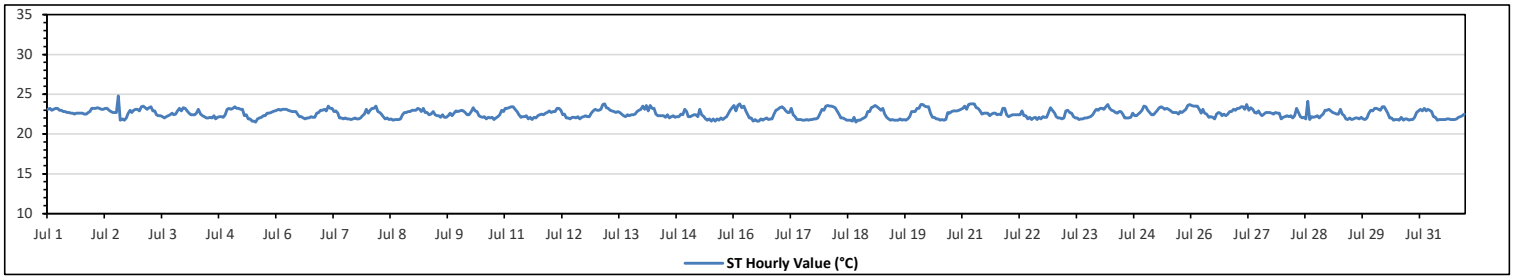
### STATION TEMPERATURE (ST) in Degree Celsius

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 24.8 | °C | on Jul 2 at hr 13 | Hours in Service: | 744 | |
| Maximum Daily Value: | 23.0 | °C | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 21.5 | °C | on Jul 5 at hr 13 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 22.2 | °C | on Jul 15 | Hours of Calibration: | 0 | |
| Monthly Average: | 22.5 | °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 |
| Jul 1 | 23.1 | 23.2 | 23.0 | 23.1 | 23.2 | 23.2 | 23.0 | 23.0 | 22.8 | 22.8 | 22.7 | 22.7 | 22.6 | 22.6 | 22.5 | 22.6 | 22.6 | 22.6 | 22.6 | 22.5 | 22.5 | 22.7 | 22.8 | 23.2 | 22.5 | 23.2 | 22.8 |
| Jul 2 | 23.2 | 23.2 | 23.3 | 23.2 | 23.1 | 23.1 | 23.2 | 23.2 | 23.0 | 22.8 | 22.7 | 22.7 | 22.7 | **24.8** | 21.7 | 21.9 | 21.7 | 22.0 | 22.6 | 23.0 | 22.7 | 23.0 | 23.1 | 23.1 | 21.7 | **24.8** | 22.9 |
| Jul 3 | 22.9 | 23.4 | 23.5 | 23.3 | 23.1 | 23.3 | 23.4 | 22.9 | 22.9 | 22.4 | 22.3 | 22.3 | 22.2 | 22.0 | 22.2 | 22.3 | 22.4 | 22.6 | 22.4 | 22.5 | 22.9 | 23.2 | 22.9 | 23.3 | 22.0 | 23.5 | 22.8 |
| Jul 4 | 23.2 | 22.9 | 22.6 | 22.4 | 22.4 | 22.4 | 22.6 | 23.1 | 22.5 | 22.3 | 22.2 | 22.0 | 22.0 | 22.1 | 22.0 | 22.3 | 21.9 | 22.1 | 22.2 | 22.2 | 22.1 | 22.4 | 23.1 | 23.2 | 21.9 | 23.2 | 22.4 |
| Jul 5 | 23.1 | 23.2 | 23.4 | 23.2 | 23.2 | 23.1 | 23.1 | 22.3 | 22.4 | 21.9 | 21.9 | 21.6 | 21.6 | **21.5** | 21.9 | 22.0 | 22.1 | 22.3 | 22.3 | 22.6 | 22.6 | 22.7 | 22.8 | 22.9 | **21.5** | 23.4 | 22.5 |
| Jul 6 | 23.0 | 23.1 | 23.0 | 23.1 | 23.1 | 23.1 | 23.0 | 22.9 | 22.8 | 22.8 | 22.8 | 22.5 | 22.2 | 22.2 | 22.0 | 21.9 | 22.0 | 22.0 | 22.2 | 22.1 | 22.1 | 22.6 | 22.7 | 23.0 | 21.9 | 23.1 | 22.6 |
| Jul 7 | 23.0 | 23.1 | 22.9 | 23.5 | 23.2 | 23.2 | 22.8 | 22.9 | 22.6 | 22.0 | 22.0 | 21.9 | 22.0 | 21.9 | 21.9 | 21.8 | 21.9 | 22.0 | 21.9 | 21.9 | 22.0 | 22.3 | 22.5 | 23.1 | 21.8 | 23.5 | 22.4 |
| Jul 8 | 22.6 | 23.0 | 23.2 | 23.2 | 23.5 | 22.8 | 22.7 | 22.5 | 22.2 | 21.9 | 22.0 | 21.8 | 21.9 | 21.7 | 21.8 | 21.8 | 21.8 | 21.9 | 22.4 | 22.7 | 22.7 | 22.8 | 22.8 | 23.0 | 21.7 | 23.5 | 22.4 |
| Jul 9 | 23.0 | 23.0 | 23.2 | 23.1 | 22.8 | 23.2 | 22.7 | 22.7 | 22.4 | 22.5 | 22.8 | 22.4 | 22.3 | 22.3 | 22.1 | 22.4 | 22.1 | 22.1 | 22.3 | 22.6 | 22.3 | 22.6 | 22.9 | 22.8 | 22.1 | 23.2 | 22.6 |
| Jul 10 | 22.9 | 23.0 | 22.9 | 22.7 | 22.4 | 22.4 | 22.8 | 23.3 | 22.9 | 22.8 | 22.3 | 22.2 | 22.1 | 22.2 | 21.9 | 22.1 | 22.0 | 22.1 | 21.8 | 22.0 | 22.2 | 22.4 | 23.0 | 22.8 | 21.8 | 23.3 | 22.5 |
| Jul 11 | 23.2 | 23.2 | 23.3 | 23.4 | 23.4 | 23.1 | 22.8 | 22.4 | 22.1 | 22.2 | 22.2 | 22.3 | 21.9 | 22.1 | 21.8 | 22.1 | 22.0 | 22.3 | 22.4 | 22.5 | 22.4 | 22.6 | 22.7 | 22.9 | 21.8 | 23.4 | 22.6 |
| Jul 12 | 22.7 | 22.8 | 22.8 | 23.2 | 23.2 | 23.0 | 22.4 | 22.5 | 22.0 | 22.0 | 21.9 | 22.1 | 22.1 | 22.0 | 22.2 | 21.9 | 22.1 | 22.2 | 22.3 | 22.2 | 22.2 | 22.6 | 22.9 | 23.1 | 21.9 | 23.2 | 22.4 |
| Jul 13 | 23.0 | 23.0 | 23.1 | 23.7 | 23.8 | 23.3 | 23.2 | 23.0 | 22.9 | 22.8 | 22.7 | 22.8 | 22.7 | 22.5 | 22.3 | 22.2 | 22.4 | 22.3 | 22.4 | 22.4 | 22.5 | 22.8 | 23.0 | 23.1 | 22.2 | 23.8 | 22.8 |
| Jul 14 | 23.5 | 23.1 | 23.6 | 22.9 | 23.6 | 23.2 | 23.2 | 22.5 | 22.3 | 22.3 | 22.3 | 22.3 | 22.1 | 22.4 | 22.0 | 22.2 | 22.3 | 22.1 | 22.2 | 22.2 | 22.5 | 22.4 | 23.1 | 22.8 | 22.0 | 23.6 | 22.6 |
| Jul 15 | 22.2 | 22.2 | 22.3 | 22.4 | 22.4 | 22.2 | 23.1 | 22.4 | 22.2 | 21.9 | 21.7 | 21.9 | 21.6 | 21.9 | 21.6 | 21.9 | 21.7 | 22.0 | 21.8 | 22.0 | 22.2 | 22.6 | 23.0 | 23.3 | 21.6 | 23.3 | **22.2** |
| Jul 16 | 23.6 | 22.9 | 23.6 | 23.8 | 23.3 | 23.5 | 22.9 | 22.5 | 22.0 | 22.0 | 21.6 | 21.8 | 21.6 | 21.6 | 21.9 | 21.7 | 21.9 | 22.0 | 21.8 | 21.9 | 21.9 | 22.5 | 23.0 | 23.1 | 21.6 | 23.8 | 22.4 |
| Jul 17 | 23.3 | 23.4 | 23.2 | 22.9 | 22.7 | 22.7 | 23.2 | 22.4 | 22.2 | 21.8 | 21.8 | 21.8 | 21.7 | 21.7 | 21.8 | 21.7 | 21.8 | 21.8 | 21.9 | 21.9 | 22.0 | 22.5 | 23.1 | 23.0 | 21.7 | 23.4 | 22.3 |
| Jul 18 | 23.5 | 23.6 | 23.5 | 23.5 | 23.4 | 23.3 | 22.9 | 22.5 | 22.0 | 22.0 | 21.9 | 21.7 | 21.7 | 21.7 | 21.6 | 22.1 | **21.5** | 21.7 | 21.7 | 21.9 | 22.0 | 22.2 | 22.8 | 22.8 | **21.5** | 23.6 | 22.4 |
| Jul 19 | 23.3 | 23.4 | 23.6 | 23.4 | 23.2 | 23.0 | 23.2 | 22.5 | 22.1 | 21.9 | 21.7 | 21.8 | 21.7 | 21.7 | 21.7 | 21.9 | 21.7 | 21.8 | 21.7 | 21.9 | 22.2 | 22.8 | 22.8 | 22.8 | 21.7 | 23.6 | 22.4 |
| Jul 20 | 23.2 | 23.2 | 23.7 | 23.7 | 23.5 | 23.4 | 23.4 | 22.6 | 22.1 | 22.1 | 21.9 | 21.9 | 21.7 | 21.8 | 21.7 | 21.8 | 22.7 | 22.6 | 22.8 | 22.9 | 22.9 | 22.9 | 23.0 | 23.1 | 21.7 | 23.7 | 22.7 |
| Jul 21 | 23.2 | 23.5 | 23.1 | 23.7 | 23.8 | 23.8 | 23.8 | 23.3 | 23.2 | 22.9 | 22.5 | 22.6 | 22.6 | 22.6 | 22.3 | 22.5 | 22.6 | 22.6 | 22.4 | 22.5 | 22.4 | 23.2 | 23.2 | 22.4 | 22.3 | 23.8 | 22.9 |
| Jul 22 | 22.2 | 22.3 | 22.4 | 22.4 | 22.4 | 22.4 | 22.4 | 22.9 | 22.3 | 22.3 | 21.9 | 22.1 | 21.8 | 22.0 | 22.1 | 21.8 | 22.1 | 21.9 | 22.2 | 22.1 | 22.1 | 22.7 | 23.3 | 23.0 | 21.8 | 23.3 | 22.3 |
| Jul 23 | 22.6 | 22.2 | 22.0 | 22.0 | 21.9 | 22.0 | 22.9 | 23.0 | 22.7 | 22.6 | 22.2 | 22.0 | 22.0 | 21.8 | 21.9 | 21.9 | 22.0 | 22.0 | 22.1 | 22.2 | 22.4 | 22.8 | 23.1 | 23.0 | 21.8 | 23.1 | 22.3 |
| Jul 24 | 23.2 | 23.2 | 23.1 | 23.4 | 23.7 | 23.2 | 23.0 | 22.9 | 22.7 | 22.6 | 22.8 | 22.8 | 22.5 | 22.0 | 22.0 | 22.0 | 22.1 | 22.6 | 22.3 | 22.3 | 22.5 | 22.7 | 23.0 | 23.5 | 22.0 | 23.7 | 22.8 |
| Jul 25 | 23.4 | 23.0 | 22.7 | 22.4 | 22.4 | 22.7 | 23.0 | 23.3 | 23.4 | 23.3 | 23.1 | 23.2 | 23.1 | 22.9 | 22.7 | 22.7 | 22.7 | 22.5 | 22.8 | 22.7 | 22.9 | 23.1 | 23.6 | 23.7 | 22.4 | 23.7 | **23.0** |
| Jul 26 | 23.6 | 23.5 | 23.5 | 23.5 | 23.1 | 22.6 | 23.1 | 22.6 | 22.5 | 22.1 | 22.2 | 22.1 | 21.9 | 22.5 | 22.7 | 22.6 | 22.3 | 22.5 | 22.3 | 22.5 | 22.8 | 22.8 | 23.1 | 23.0 | 21.9 | 23.6 | 22.7 |
| Jul 27 | 23.2 | 23.2 | 23.4 | 23.4 | 23.1 | 23.7 | 23.0 | 23.3 | 23.1 | 22.7 | 22.6 | 22.9 | 22.5 | 22.3 | 22.5 | 22.7 | 22.7 | 22.7 | 22.6 | 22.5 | 22.7 | 22.6 | 22.6 | 21.9 | 21.9 | 23.7 | 22.8 |
| Jul 28 | 22.1 | 22.2 | 22.3 | 22.2 | 22.3 | 22.0 | 22.3 | 23.2 | 22.7 | 22.2 | 22.0 | 22.1 | 21.9 | 24.1 | 21.8 | 22.2 | 22.1 | 22.2 | 22.3 | 22.0 | 22.3 | 22.5 | 23.0 | 23.0 | 21.8 | 24.1 | 22.4 |
| Jul 29 | 23.1 | 22.9 | 22.7 | 22.6 | 22.5 | 22.5 | 23.1 | 22.5 | 22.3 | 21.9 | 21.8 | 22.0 | 21.8 | 21.9 | 22.0 | 22.0 | 21.9 | 22.1 | 21.9 | 21.8 | 22.0 | 22.6 | 23.0 | 22.9 | 21.8 | 23.1 | 22.3 |
| Jul 30 | 23.2 | 23.2 | 23.1 | 23.0 | 23.4 | 23.4 | 23.0 | 22.6 | 22.0 | 22.0 | 21.7 | 21.8 | 21.8 | 21.7 | 22.1 | 21.7 | 21.9 | 21.9 | 21.7 | 21.8 | 21.8 | 22.1 | 22.7 | 22.9 | 21.7 | 23.4 | 22.4 |
| Jul 31 | 23.1 | 22.9 | 23.2 | 22.9 | 23.1 | 23.0 | 22.8 | 22.2 | 22.1 | 21.7 | 21.8 | 21.8 | 21.8 | 21.8 | 21.9 | 21.9 | 21.8 | 21.8 | 21.8 | 21.9 | 22.1 | 22.2 | 22.3 | 22.5 | 21.7 | 23.2 | 22.3 |
| Diurnal Maximum | 23.6 | 23.6 | 23.7 | 23.8 | 23.8 | 23.8 | 23.8 | 23.3 | 23.4 | 23.3 | 23.1 | 23.2 | 23.1 | 24.8 | 22.7 | 22.7 | 22.7 | 22.7 | 22.8 | 23.0 | 22.9 | 23.2 | 23.6 | 23.7 | | | |
| Diurnal Average | 23.0 | 23.0 | 23.1 | 23.1 | 23.0 | 23.0 | 23.0 | 22.8 | 22.5 | 22.3 | 22.2 | 22.2 | 22.1 | 22.2 | 22.0 | 22.1 | 22.1 | 22.2 | 22.2 | 22.3 | 22.4 | 22.6 | 22.9 | 23.0 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025*

### Summary of Hourly Averages

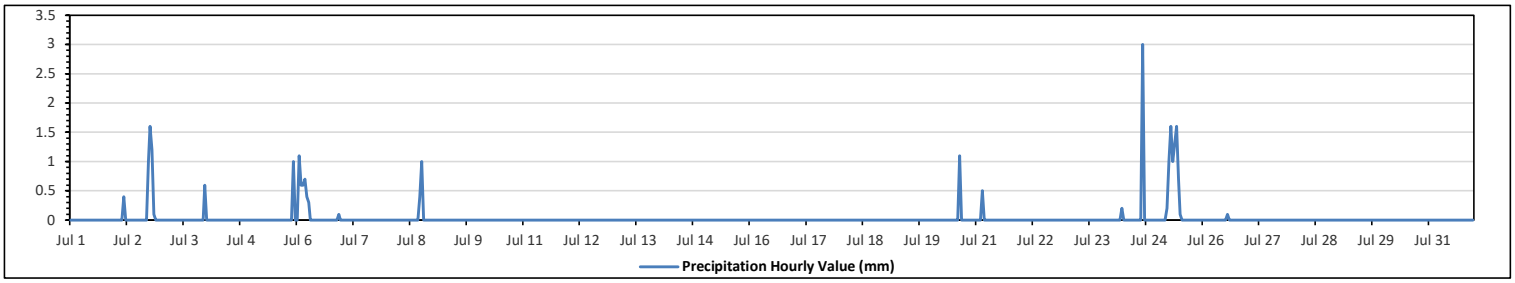
### PRECIPITATION in mm

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 3.0 | mm | on Jul 24 at hr 16 | Hours in Service: | 744 | |
| Maximum Daily Value: | 7.5 | mm | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.0 | mm | on Jul 1 at hr 0 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.0 | mm | on Jul 1 | Hours of Calibration: | 0 | |
| Monthly Total: | 23.5 | mm | | Operational Uptime: | 100.0 | |

| Day | Hourly Period Starting at (MST) | | | | | | | | | | | | | | | | | | | | | | Daily Minimum | Daily Maximum | Daily Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | |
| Jul 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 |
| Jul 2 | 0 | 0 | 0 | 0 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.6 | 1.2 | 0.1 | 0 | 0 | 0 | 0.0 | 1.6 | 4.3 |
| Jul 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0.0 | 0.6 | 0.6 |
| Jul 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 |
| Jul 5 | 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 | 1.0 | 1.0 |
| Jul 6 | 0 | 1.1 | 0.6 | 0.6 | 0.7 | 0.4 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.0 | 1.1 | 3.8 |
| Jul 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 |
| Jul 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.0 | 1.4 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.1 | 1.1 |
| Jul 21 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.5 | 0.5 |
| Jul 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 |
| Jul 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 |
| Jul 24 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | **3.0** | 3.2 |
| Jul 25 | 0 | 0 | 0 | 0 | 0 | 0.2 | 1 | 1.6 | 1 | 1.3 | 1.6 | 0.7 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.6 | **7.5** |
| Jul 26 | 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 | 0.1 | 0.1 |
| Jul 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 |
| Jul 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 |
| Jul 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Jul 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 |
| Jul 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 | 1.1 | 0.6 | 0.6 | 0.7 | 0.4 | 1.0 | 1.6 | 1.0 | 1.3 | 1.6 | 0.7 | 0.1 | 0.1 | 0.0 | 1.1 | 3.0 | 1.0 | 1.6 | 1.2 | 0.1 | 0.0 | 1.0 | 0.6 | | | |
| Diurnal Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 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 - July 2025***

**Summary of Hourly Averages**

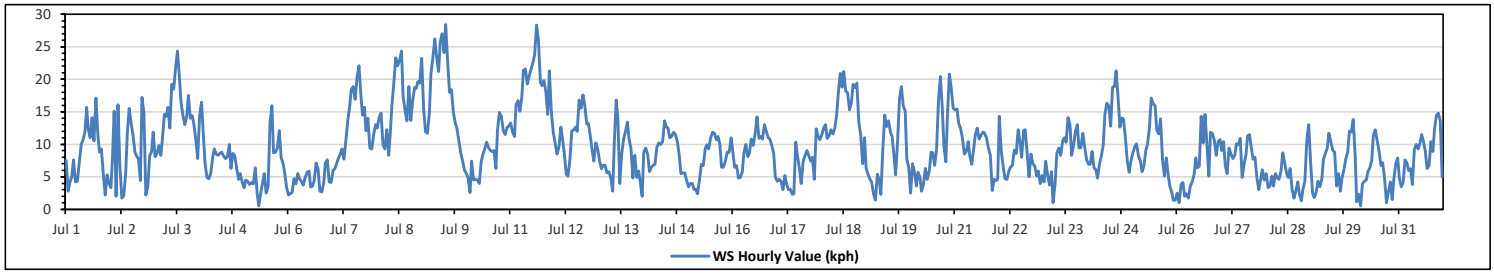
**VECTOR WIND SPEED (VWS) in km/hr**

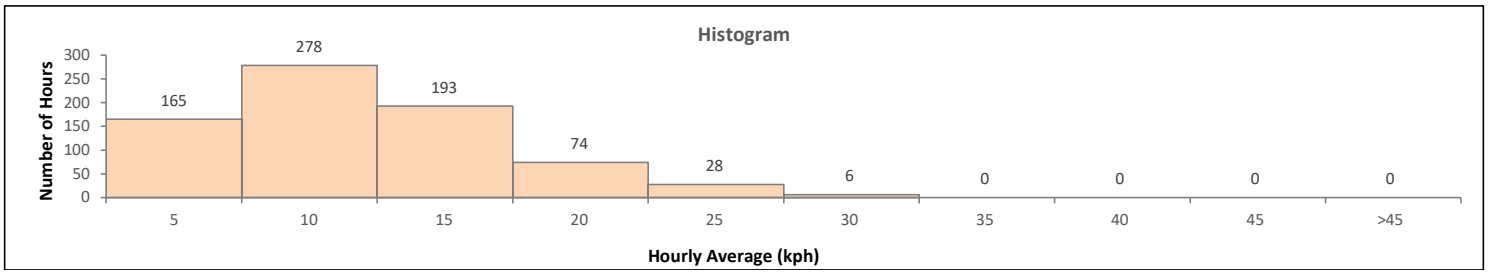
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 28.4 | kph | on Jul 9 at hr 13 | Hours in Service: | 744 | |
| Maximum Daily Value: | 18.6 | kph | on Jul 11 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.5 | kph | on Jul 5 at hr 8 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 4.5 | kph | on Jul 6 | Hours of Calibration: | 0 | |
| Monthly Average: | 3.9 | 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 |
| Jul 1 | 7.5 | 2.8 | 4.2 | 5.1 | 7.6 | 4.2 | 4.3 | 7.2 | 10.0 | 10.7 | 12.0 | 15.7 | 12.4 | 11.0 | 14.1 | 10.5 | 17.1 | 11.5 | 8.8 | 9.3 | 5.5 | 2.2 | 5.3 | 4.0 | 2.2 | 17.1 | 8.5 |
| Jul 2 | 3.3 | 8.2 | 15.1 | 2.0 | 16.1 | 6.5 | 1.7 | 2.1 | 5.5 | 11.6 | 15.5 | 13.3 | 11.4 | 8.8 | 8.1 | 7.8 | 4.4 | 17.2 | 14.8 | 2.2 | 3.4 | 8.2 | 8.9 | 11.8 | 1.7 | 17.2 | 8.7 |
| Jul 3 | 8.1 | 8.6 | 9.8 | 8.3 | 11.5 | 14.6 | 14.3 | 15.7 | 12.5 | 19.2 | 18.5 | 21.8 | 24.3 | 20.9 | 16.5 | 14.4 | 13.0 | 14.4 | 17.5 | 14.0 | 14.4 | 13.1 | 10.8 | 7.8 | 7.8 | 24.3 | 14.3 |
| Jul 4 | 14.4 | 16.5 | 11.2 | 7.1 | 4.9 | 4.7 | 5.6 | 8.0 | 9.3 | 8.5 | 8.3 | 8.6 | 8.8 | 8.2 | 7.8 | 8.1 | 10.0 | 6.3 | 8.6 | 8.2 | 6.3 | 4.6 | 5.5 | 4.2 | 4.2 | 16.5 | 8.1 |
| Jul 5 | 3.3 | 4.5 | 4.3 | 3.8 | 4.1 | 3.9 | 6.4 | 2.4 | **0.5** | 2.5 | 4.1 | 5.5 | 2.5 | 3.5 | 13.3 | 15.9 | 8.7 | 8.8 | 9.4 | 12.1 | 7.9 | 7.0 | 5.6 | 3.3 | **0.5** | 15.9 | 6.0 |
| Jul 6 | 2.2 | 2.4 | 2.6 | 4.7 | 3.9 | 5.5 | 4.7 | 4.3 | 3.7 | 4.9 | 5.7 | 5.9 | 3.4 | 3.6 | 4.4 | 7.1 | 6.3 | 2.8 | 2.7 | 4.1 | 7.1 | 7.6 | 4.2 | 4.1 | 2.2 | 7.6 | **4.5** |
| Jul 7 | 6.0 | 6.3 | 7.0 | 7.9 | 8.4 | 9.3 | 7.7 | 10.5 | 13.6 | 15.8 | 18.4 | 18.9 | 16.9 | 20.3 | 22.1 | 17.6 | 14.5 | 15.7 | 12.1 | 14.0 | 9.4 | 9.3 | 11.5 | 13.0 | 6.0 | 22.1 | 12.8 |
| Jul 8 | 12.5 | 14.1 | 14.8 | 10.0 | 9.3 | 12.2 | 8.3 | 11.8 | 16.0 | 19.4 | 23.3 | 22.1 | 22.9 | 24.3 | 17.4 | 15.2 | 13.6 | 18.9 | 13.7 | 16.8 | 18.7 | 18.6 | 19.6 | 19.4 | 8.3 | 24.3 | 16.4 |
| Jul 9 | 23.2 | 15.5 | 11.9 | 11.7 | 14.8 | 20.9 | 23.3 | 26.2 | 23.3 | 21.2 | 25.8 | 27.0 | 24.1 | **28.4** | 22.8 | 18.0 | 18.4 | 14.9 | 13.3 | 12.5 | 10.6 | 8.7 | 7.4 | 6.0 | 6.0 | **28.4** | 17.9 |
| Jul 10 | 5.6 | 4.8 | 2.6 | 7.4 | 4.5 | 4.6 | 4.5 | 4.0 | 7.3 | 8.4 | 9.3 | 10.3 | 9.5 | 9.0 | 8.9 | 9.0 | 6.3 | 12.2 | 14.9 | 14.3 | 12.1 | 11.5 | 12.6 | 12.8 | 2.6 | 14.9 | 8.6 |
| Jul 11 | 13.3 | 11.9 | 11.2 | 16.1 | 16.7 | 15.1 | 17.3 | 21.4 | 21.6 | 19.3 | 20.5 | 21.6 | 22.6 | 23.8 | 28.3 | 25.9 | 19.5 | 19.0 | 19.8 | 18.1 | 14.6 | 21.3 | 15.2 | 11.9 | 11.2 | 28.3 | **18.6** |
| Jul 12 | 10.2 | 8.5 | 9.6 | 12.6 | 10.9 | 8.4 | 5.4 | 5.1 | 7.5 | 12.0 | 12.2 | 12.6 | 12.0 | 16.8 | 15.5 | 17.6 | 15.8 | 13.1 | 13.2 | 11.3 | 9.3 | 7.4 | 10.2 | 9.3 | 5.1 | 17.6 | 11.1 |
| Jul 13 | 7.4 | 6.2 | 6.8 | 6.8 | 5.6 | 5.8 | 4.8 | 2.8 | 10.3 | 16.8 | 14.1 | 4.0 | 8.5 | 10.8 | 12.0 | 13.4 | 10.8 | 9.4 | 4.8 | 8.3 | 4.9 | 5.9 | 4.2 | 2.0 | 2.0 | 16.8 | 7.8 |
| Jul 14 | 8.8 | 9.4 | 8.5 | 5.8 | 6.5 | 6.8 | 6.9 | 9.6 | 10.2 | 10.0 | 10.4 | 13.6 | 12.7 | 12.5 | 11.0 | 11.2 | 11.8 | 11.5 | 10.4 | 8.3 | 5.5 | 5.6 | 5.6 | 4.4 | 4.4 | 13.6 | 9.0 |
| Jul 15 | 3.5 | 4.0 | 4.0 | 3.1 | 3.1 | 2.4 | 4.5 | 6.9 | 6.7 | 9.3 | 9.9 | 9.3 | 11.0 | 11.8 | 11.7 | 10.7 | 11.2 | 10.0 | 6.5 | 6.5 | 7.4 | 8.8 | 8.8 | 11.0 | 2.4 | 11.8 | 7.6 |
| Jul 16 | 8.6 | 6.5 | 6.7 | 4.8 | 4.9 | 5.8 | 8.7 | 10.0 | 8.1 | 8.6 | 10.8 | 9.8 | 11.6 | 14.2 | 10.9 | 11.2 | 10.8 | 13.0 | 12.0 | 11.0 | 10.8 | 9.8 | 8.6 | 5.0 | 4.8 | 14.2 | 9.3 |
| Jul 17 | 4.3 | 4.6 | 4.3 | 3.0 | 5.2 | 4.0 | 3.0 | 3.1 | 2.3 | 2.4 | 10.3 | 8.0 | 6.1 | 4.0 | 7.3 | 8.3 | 9.0 | 8.2 | 7.4 | 8.0 | 4.6 | 12.4 | 11.2 | 10.7 | 2.3 | 12.4 | 6.3 |
| Jul 18 | 11.4 | 12.5 | 13.0 | 10.9 | 11.3 | 12.2 | 11.6 | 12.5 | 14.6 | 17.9 | 20.9 | 18.8 | 21.2 | 18.2 | 17.9 | 15.3 | 16.4 | 19.2 | 18.7 | 19.4 | 13.4 | 11.4 | 7.0 | 11.0 | 7.0 | 21.2 | 14.9 |
| Jul 19 | 6.3 | 5.4 | 4.7 | 4.2 | 2.4 | 1.4 | 5.4 | 4.4 | 2.3 | 9.2 | 14.5 | 12.7 | 13.6 | 11.8 | 11.2 | 8.3 | 5.3 | 10.2 | 16.9 | 18.9 | 15.9 | 15.1 | 7.7 | 6.5 | 1.4 | 18.9 | 8.9 |
| Jul 20 | 2.5 | 7.0 | 5.7 | 3.6 | 5.7 | 4.9 | 2.8 | 3.8 | 6.3 | 4.6 | 5.8 | 8.8 | 8.7 | 6.8 | 9.2 | 16.7 | 20.4 | 15.5 | 9.7 | 7.3 | 14.4 | 20.8 | 18.6 | 15.5 | 2.5 | 20.8 | 9.4 |
| Jul 21 | 15.3 | 15.4 | 13.3 | 12.5 | 10.9 | 8.5 | 8.9 | 10.4 | 8.2 | 6.9 | 8.9 | 11.4 | 12.5 | 10.8 | 11.4 | 11.9 | 11.7 | 11.0 | 9.5 | 8.3 | 2.9 | 4.6 | 4.4 | 4.6 | 2.9 | 15.4 | 9.8 |
| Jul 22 | 14.3 | 9.0 | 6.6 | 4.7 | 4.6 | 5.9 | 6.5 | 6.8 | 9.1 | 8.6 | 12.2 | 10.2 | 8.0 | 12.1 | 12.2 | 8.7 | 5.0 | 8.5 | 7.0 | 6.6 | 5.1 | 5.9 | 4.0 | 5.2 | 4.0 | 14.3 | 7.8 |
| Jul 23 | 4.2 | 7.4 | 5.3 | 3.7 | 5.8 | 1.0 | 3.7 | 8.7 | 9.4 | 8.3 | 10.5 | 11.0 | 10.3 | 14.1 | 13.0 | 8.3 | 9.8 | 12.0 | 13.0 | 9.4 | 9.5 | 11.7 | 9.6 | 7.6 | 1.0 | 14.1 | 8.6 |
| Jul 24 | 6.9 | 6.9 | 8.9 | 6.4 | 6.1 | 4.8 | 6.9 | 8.2 | 9.9 | 14.6 | 16.3 | 15.9 | 12.8 | 18.8 | 18.9 | 21.3 | 17.4 | 12.6 | 14.0 | 13.9 | 11.1 | 7.4 | 5.7 | 7.3 | 4.8 | 21.3 | 11.4 |
| Jul 25 | 8.6 | 9.6 | 10.1 | 8.2 | 7.4 | 5.8 | 6.6 | 9.1 | 9.9 | 12.4 | 17.1 | 16.2 | 15.9 | 12.2 | 11.6 | 13.9 | 7.7 | 5.1 | 7.9 | 5.2 | 3.6 | 2.8 | 1.4 | 1.4 | 1.4 | 17.1 | 8.7 |
| Jul 26 | 2.5 | 1.0 | 3.8 | 4.1 | 2.0 | 2.4 | 1.7 | 3.6 | 4.2 | 5.4 | 7.9 | 6.4 | 6.6 | 14.3 | 10.2 | 14.6 | 9.9 | 5.1 | 11.8 | 11.7 | 10.6 | 8.3 | 10.4 | 10.7 | 1.0 | 14.6 | 7.1 |
| Jul 27 | 9.0 | 10.4 | 6.8 | 5.5 | 9.4 | 8.5 | 7.8 | 8.3 | 10.1 | 9.9 | 10.9 | 4.9 | 6.9 | 8.4 | 11.3 | 11.5 | 9.7 | 7.7 | 8.0 | 4.9 | 3.0 | 4.6 | 6.1 | 4.5 | 3.0 | 11.5 | 7.8 |
| Jul 28 | 5.5 | 3.3 | 3.6 | 5.1 | 3.6 | 5.5 | 4.9 | 4.6 | 5.8 | 8.7 | 7.1 | 5.5 | 4.9 | 6.3 | 3.1 | 1.7 | 2.9 | 4.2 | 2.3 | 1.3 | 3.1 | 4.3 | 10.6 | 13.0 | 1.3 | 13.0 | 5.0 |
| Jul 29 | 7.2 | 2.5 | 1.8 | 2.6 | 4.3 | 3.5 | 4.7 | 7.7 | 8.6 | 9.4 | 11.7 | 10.4 | 9.1 | 8.8 | 3.6 | 5.5 | 2.8 | 4.8 | 6.1 | 7.8 | 8.8 | 12.0 | 11.9 | 13.8 | 1.8 | 13.8 | 7.1 |
| Jul 30 | 8.4 | 1.2 | 2.3 | **0.5** | 4.0 | 4.3 | 4.5 | 5.8 | 6.4 | 7.5 | 11.4 | 12.2 | 10.5 | 8.9 | 6.7 | 7.2 | 4.8 | 1.0 | 2.7 | 4.2 | 1.5 | 4.6 | 7.0 | 7.9 | **0.5** | 12.2 | 5.6 |
| Jul 31 | 4.9 | 3.5 | 4.1 | 7.6 | 7.1 | 6.0 | 6.2 | 3.8 | 9.2 | 10.0 | 9.3 | 10.1 | 11.5 | 10.3 | 9.0 | 6.3 | 6.7 | 10.4 | 8.9 | 12.3 | 14.4 | 14.8 | 13.7 | 5.0 | 3.5 | 14.8 | 8.5 |
| Diurnal Maximum | 23.2 | 16.5 | 15.1 | 16.1 | 16.7 | 20.9 | 23.3 | 26.2 | 23.3 | 21.2 | 25.8 | 27.0 | 24.3 | 28.4 | 28.3 | 25.9 | 20.4 | 19.2 | 19.8 | 19.4 | 18.7 | 21.3 | 19.6 | 19.4 | | | |
| Diurnal Average | 8.0 | 7.4 | 7.2 | 6.4 | 7.2 | 6.8 | 6.9 | 8.0 | 9.1 | 10.8 | 12.7 | 12.3 | 12.0 | 12.7 | 12.3 | 12.0 | 10.7 | 10.8 | 10.5 | 10.0 | 8.7 | 9.4 | 8.8 | 8.2 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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*

### *986-C Station - July 2025*

### Summary of Hourly Averages

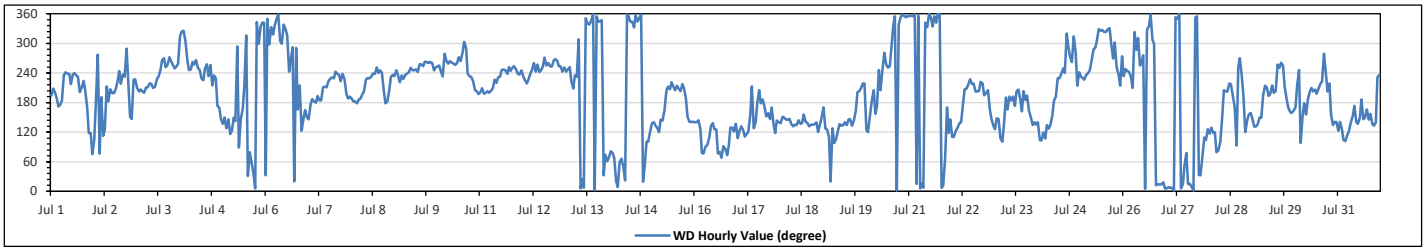
### WIND DIRECTION (VWD) in sector

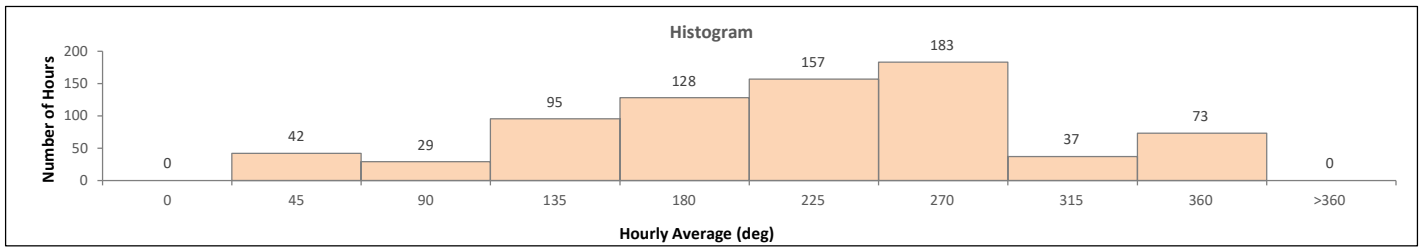
| | | | |
|---|---|---|---|
| Monthly Average: | 217 (SW) | degree | |
| Hours in Service: | 744 | | |
| Hours of Data: | 744 | | |
| Hours of Missing Data: | 0 | | |
| Hours of Calibration: | 0 | | |
| Operational Uptime: | 100.0 | | |

| 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 |
| Jul 1 | SSW | SSW | SSW | S | S | S | S | SW | WSW | WSW | SW | SW | SW | WSW | SW | SW | SSW | SSW | SW | SSW | SSE | ESE | ESE | ENE | 214 | SSW |
| Jul 2 | ESE | SSW | W | ENE | S | ESE | SE | SSW | S | SSW | SSW | SSW | SSW | SW | WSW | SW | SW | SW | WNW | SW | SSE | SE | SW | SW | 214 | SSW |
| Jul 3 | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SSW | SSW | SW | SW | WSW | W | W | WSW | WSW | W | W | WSW | WSW | WSW | WSW | 235 | SW |
| Jul 4 | NW | NW | NW | WNW | W | WSW | WSW | W | WSW | W | WSW | WSW | SW | SW | WSW | WSW | SW | WSW | SSW | SW | SW | S | SSE | SE | 258 | WSW |
| Jul 5 | SE | SSE | SE | SE | ESE | ESE | SSE | SE | WNW | E | SE | SSE | SSW | NW | NNE | ENE | ENE | NE | N | NNW | WNW | NNW | NNW | NNW | 53 | NE |
| Jul 6 | NNE | N | WNW | NNW | NW | NNW | N | N | WNW | WNW | NNW | NNW | NW | WSW | W | WNW | NNE | WNW | SSE | SSW | ESE | SE | SSE | SSE | 315 | NW |
| Jul 7 | SE | S | S | S | S | S | S | S | SSW | SSW | SSW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SW | SSW | S | S | 214 | SSW |
| Jul 8 | S | S | S | S | S | S | SSW | SSW | SW | SW | SW | SW | WSW | SW | WSW | WSW | WSW | WSW | SSW | S | S | SSW | SW | SW | 217 | SW |
| Jul 9 | SW | WSW | SW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | W | WSW | WSW | WSW | 246 | WSW |
| Jul 10 | WSW | WSW | WSW | SW | W | W | WSW | W | W | WSW | WSW | WSW | W | W | W | WNW | WNW | WSW | SW | SW | SW | SSW | SSW | SSW | 246 | WSW |
| Jul 11 | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SW | SW | WSW | WSW | WSW | SW | WSW | WSW | WSW | WSW | WSW | SW | SW | WSW | 231 | SW |
| Jul 12 | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | W | W | W | WSW | WSW | WSW | WSW | 250 | WSW |
| Jul 13 | WSW | WSW | WSW | SW | SSW | SW | SW | NW | N | NNE | N | N | NNW | NNW | NNW | N | N | N | NNW | NNW | NNW | NNE | ENE | ENE | 343 | NNW |
| Jul 14 | ENE | E | ENE | ENE | NNE | N | ENE | ENE | NE | NNE | N | N | NNW | NNW | NNW | N | NNW | N | N | NNE | NE | E | E | ESE | 22 | NNE |
| Jul 15 | SE | SE | SE | SE | ESE | SE | SE | SSE | SSW | SSW | SSW | SW | SSW | SSW | SSW | SSW | SSW | SW | SSW | S | SSE | SE | SE | SE | 186 | S |
| Jul 16 | SE | SE | SE | SE | ENE | ENE | E | E | ESE | SE | SE | SE | SE | ENE | E | ENE | E | E | ENE | E | SE | SE | ESE | SE | 106 | ESE |
| Jul 17 | ESE | ESE | SE | ESE | ESE | ESE | ESE | SSE | SSW | SE | SE | S | SSW | S | S | S | SSE | SSE | SE | SSE | SE | ESE | SE | SE | 148 | SE |
| Jul 18 | SE | SSE | SSE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SE | SE | SE | SE | SE | SE | SE | ESE | SE | SSE | 139 | SE |
| Jul 19 | SSE | SE | SE | ESE | NNE | SE | E | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSW | SSW | SSW | SW | SW | 157 | SSE |
| Jul 20 | ESE | ESE | SSE | S | SSW | SSE | S | WSW | SSW | WSW | W | WSW | WSW | WSW | WNW | NNW | N | N | NNW | N | N | N | N | N | 330 | NNW |
| Jul 21 | N | N | N | N | NNE | N | N | NNE | N | NNW | NNW | N | N | NNW | N | NNW | N | N | N | NNE | ENE | SSE | ESE | SE | 360 | N |
| Jul 22 | ESE | ESE | ESE | SE | SE | SE | S | SSW | SSW | SW | SW | SW | SW | SSW | SSW | SSW | SW | SW | SSW | SSW | SSW | SSE | SE | SE | 186 | S |
| Jul 23 | SE | SE | SE | ESE | E | SE | S | SSE | S | S | S | S | SSW | SSW | S | SSE | SSW | S | SSW | SSE | SSE | SE | SE | SE | 171 | S |
| Jul 24 | SE | ESE | ESE | ESE | ESE | SE | SE | SE | SSE | S | S | SW | SW | SW | WSW | WSW | NW | WNW | W | W | NW | W | SSW | WSW | 227 | SW |
| Jul 25 | SW | SW | SW | SW | WSW | WSW | W | WNW | WNW | WNW | NNW | NW | NW | NW | NW | NNW | NNW | WNW | W | WNW | WSW | SW | SSW | W | 293 | WNW |
| Jul 26 | SW | WSW | WSW | WSW | SW | SSW | NW | WNW | NW | WSW | W | W | N | NNW | NNW | N | NW | WNW | NNE | NNE | NNE | NNE | NNE | N | 335 | NNW |
| Jul 27 | N | N | N | N | N | N | N | N | N | NNE | NE | ENE | NNE | NNE | N | N | N | N | NNE | NNE | ENE | ESE | ESE | SE | 17 | NNE |
| Jul 28 | ESE | SE | ESE | ESE | ENE | E | E | SSE | SSW | SSW | SSW | SW | SW | SSW | SSE | E | WSW | W | SW | SSW | ESE | SE | SSE | SSE | 165 | SSE |
| Jul 29 | SE | SE | SE | SE | SSE | SSE | SSW | SSW | SSW | S | SSW | SSW | SSW | SSW | WSW | WSW | W | WSW | SSW | S | S | SSE | SSE | SSE | 189 | S |
| Jul 30 | SSE | SSW | WSW | E | SSE | S | SSE | S | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | W | SW | SSW | SW | SSE | SE | SE | SE | 193 | S |
| Jul 31 | ESE | SE | SE | ESE | E | ESE | ESE | SE | SSE | S | SE | SE | SSE | S | SE | SSE | SSE | SE | SSE | SE | SE | SE | SW | SW | 148 | SE |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 2025*

### Summary of Hourly Averages

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

**WIND SPEED**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 28.4 | kph | on Jul 9 at hr 13 | Hours in Service: | 744 |
| Maximum Daily Value: | 18.6 | kph | on Jul 11 | Hours of Data: | 744 |
| Minimum Hourly Value: | 0.5 | kph | on Jul 5 at hr 8 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 4.5 | kph | on Jul 6 | Hours of Calibration: | 0 |
| Monthly Average: | 3.9 | kph | | Operational Uptime: | 100.0 |

**WIND DIRECTION**

Monthly Average: 217 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 | | | |
| Jul 1 | 7.5 | 2.8 | 4.2 | 5.1 | 7.6 | 4.2 | 4.3 | 7.2 | 10.0 | 10.7 | 12.0 | 15.7 | 12.4 | 11.0 | 14.1 | 10.5 | 17.1 | 11.5 | 8.8 | 9.3 | 5.5 | 2.2 | 5.3 | 4.0 | 2.2 | 17.1 | 8.5 |
| | SSW | SSW | SSW | S | S | S | S | SW | WSW | WSW | SW | SW | SW | WSW | SW | SW | SSW | SSW | SW | SSW | SSE | ESE | ESE | ENE | | | 214(SSW) |
| Jul 2 | 3.3 | 8.2 | 15.1 | 2.0 | 16.1 | 6.5 | 1.7 | 2.1 | 5.5 | 11.6 | 15.5 | 13.3 | 11.4 | 8.8 | 8.1 | 7.8 | 4.4 | 17.2 | 14.8 | 2.2 | 3.4 | 8.2 | 8.9 | 11.8 | 1.7 | 17.2 | 8.7 |
| | ESE | SSW | W | ENE | S | ESE | SE | SSW | S | SSW | SSW | SSW | SSW | SW | WSW | SW | SW | SW | WNW | SW | SSE | SE | SW | SW | | | 214(SSW) |
| Jul 3 | 8.1 | 8.6 | 9.8 | 8.3 | 11.5 | 14.6 | 14.3 | 15.7 | 12.5 | 19.2 | 18.5 | 21.8 | 24.3 | 20.9 | 16.5 | 14.4 | 13.0 | 14.4 | 17.5 | 14.0 | 14.4 | 13.1 | 10.8 | 7.8 | 7.8 | 24.3 | 14.3 |
| | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SSW | SSW | SW | SW | WSW | W | W | WSW | WSW | W | W | WSW | WSW | WSW | WSW | | | 235(SW) |
| Jul 4 | 14.4 | 16.5 | 11.2 | 7.1 | 4.9 | 4.7 | 5.6 | 8.0 | 9.3 | 8.5 | 8.3 | 8.6 | 8.8 | 8.2 | 7.8 | 8.1 | 10.0 | 6.3 | 8.6 | 8.2 | 6.3 | 4.6 | 5.5 | 4.2 | 4.2 | 16.5 | 8.1 |
| | NW | NW | NW | WNW | W | WSW | WSW | W | WSW | W | WSW | WSW | SW | SW | WSW | WSW | SW | WSW | SSW | SW | SW | S | SSE | SE | | | 258(WSW) |
| Jul 5 | 3.3 | 4.5 | 4.3 | 3.8 | 4.1 | 3.9 | 6.4 | 2.4 | **0.5** | 2.5 | 4.1 | 5.5 | 2.5 | 3.5 | 13.3 | 15.9 | 8.7 | 8.8 | 9.4 | 12.1 | 7.9 | 7.0 | 5.6 | 3.3 | **0.5** | 15.9 | 6.0 |
| | SE | SSE | SE | SE | ESE | ESE | SSE | SE | WNW | E | SE | SSE | SSW | NW | NNE | ENE | ENE | NE | N | NNW | WNW | NNW | NNW | NNW | | | 53(NE) |
| Jul 6 | 2.2 | 2.4 | 2.6 | 4.7 | 3.9 | 5.5 | 4.7 | 4.3 | 3.7 | 4.9 | 5.7 | 5.9 | 3.4 | 3.6 | 4.4 | 7.1 | 6.3 | 2.8 | 2.7 | 4.1 | 7.1 | 7.6 | 4.2 | 4.1 | 2.2 | 7.6 | **4.5** |
| | NNE | N | WNW | NNW | NW | NNW | N | N | WNW | WNW | NNW | NNW | NW | WSW | W | WNW | NNE | WNW | SSE | SSW | ESE | SE | SSE | SSE | | | 315(NW) |
| Jul 7 | 6.0 | 6.3 | 7.0 | 7.9 | 8.4 | 9.3 | 7.7 | 10.5 | 13.6 | 15.8 | 18.4 | 18.9 | 16.9 | 20.3 | 22.1 | 17.6 | 14.5 | 15.7 | 12.1 | 14.0 | 9.4 | 9.3 | 11.5 | 13.0 | 6.0 | 22.1 | 12.8 |
| | SE | S | S | S | S | S | S | S | SSW | SSW | SSW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SW | SSW | S | S | | | 214(SSW) |
| Jul 8 | 12.5 | 14.1 | 14.8 | 10.0 | 9.3 | 12.2 | 8.3 | 11.8 | 16.0 | 19.4 | 23.3 | 22.1 | 22.9 | 24.3 | 17.4 | 15.2 | 13.6 | 18.9 | 13.7 | 16.8 | 18.7 | 18.6 | 19.6 | 19.4 | 8.3 | 24.3 | 16.4 |
| | S | S | S | S | S | S | SSW | SSW | SW | SW | SW | SW | WSW | SW | WSW | WSW | WSW | WSW | SSW | S | S | SSW | SW | SW | | | 217(SW) |
| Jul 9 | 23.2 | 15.5 | 11.9 | 11.7 | 14.8 | 20.9 | 23.3 | 26.2 | 23.3 | 21.2 | 25.8 | 27.0 | 24.1 | **28.4** | 22.8 | 18.0 | 18.4 | 14.9 | 13.3 | 12.5 | 10.6 | 8.7 | 7.4 | 6.0 | 6.0 | **28.4** | 17.9 |
| | SW | WSW | SW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | WSW | W | WSW | WSW | WSW | | | 246(WSW) |
| Jul 10 | 5.6 | 4.8 | 2.6 | 7.4 | 4.5 | 4.6 | 4.5 | 4.0 | 7.3 | 8.4 | 9.3 | 10.3 | 9.5 | 9.0 | 8.9 | 9.0 | 6.3 | 12.2 | 14.9 | 14.3 | 12.1 | 11.5 | 12.6 | 12.8 | 2.6 | 14.9 | 8.6 |
| | WSW | WSW | WSW | SW | W | W | WSW | W | W | WSW | WSW | WSW | W | W | W | WNW | WNW | WSW | SW | SW | SW | SSW | SSW | SSW | | | 246(WSW) |
| Jul 11 | 13.3 | 11.9 | 11.2 | 16.1 | 16.7 | 15.1 | 17.3 | 21.4 | 21.6 | 19.3 | 20.5 | 21.6 | 22.6 | 23.8 | 28.3 | 25.9 | 19.5 | 19.0 | 19.8 | 18.1 | 14.6 | 21.3 | 15.2 | 11.9 | 11.2 | 28.3 | **18.6** |
| | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SW | SW | WSW | WSW | WSW | SW | WSW | WSW | WSW | WSW | WSW | SW | SW | WSW | | | 231(SW) |
| Jul 12 | 10.2 | 8.5 | 9.6 | 12.6 | 10.9 | 8.4 | 5.4 | 5.1 | 7.5 | 12.0 | 12.2 | 12.6 | 12.0 | 16.8 | 15.5 | 17.6 | 15.8 | 13.1 | 13.2 | 11.3 | 9.3 | 7.4 | 10.2 | 9.3 | 5.1 | 17.6 | 11.1 |
| | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | W | W | W | WSW | WSW | WSW | WSW | | | 250(WSW) |
| Jul 13 | 7.4 | 6.2 | 6.8 | 6.8 | 5.6 | 5.8 | 4.8 | 2.8 | 10.3 | 16.8 | 14.1 | 4.0 | 8.5 | 10.8 | 12.0 | 13.4 | 10.8 | 9.4 | 4.8 | 8.3 | 4.9 | 5.9 | 4.2 | 2.0 | 2.0 | 16.8 | 7.8 |
| | WSW | WSW | WSW | SW | SSW | SW | SW | NW | N | NNE | N | N | NNW | NNW | NNW | N | N | N | NNW | NNW | NNW | NNE | ENE | ENE | | | 343(NNW) |
| Jul 14 | 8.8 | 9.4 | 8.5 | 5.8 | 6.5 | 6.8 | 6.9 | 9.6 | 10.2 | 10.0 | 10.4 | 13.6 | 12.7 | 12.5 | 11.0 | 11.2 | 11.8 | 11.5 | 10.4 | 8.3 | 5.5 | 5.6 | 5.6 | 4.4 | 4.4 | 13.6 | 9.0 |
| | ENE | E | ENE | ENE | NNE | N | ENE | ENE | NE | NNE | N | N | NNW | NNW | NNW | N | NNW | N | N | NNE | NE | E | E | ESE | | | 22(NNE) |
| Jul 15 | 3.5 | 4.0 | 4.0 | 3.1 | 3.1 | 2.4 | 4.5 | 6.9 | 6.7 | 9.3 | 9.9 | 9.3 | 11.0 | 11.8 | 11.7 | 10.7 | 11.2 | 10.0 | 6.5 | 6.5 | 7.4 | 8.8 | 8.8 | 11.0 | 2.4 | 11.8 | 7.6 |
| | SE | SE | SE | SE | ESE | SE | SE | SSE | SSW | SSW | SSW | SW | SSW | SSW | SSW | SSW | SSW | SW | SSW | S | SSE | SE | SE | SE | | | 186(S) |
| Jul 16 | 8.6 | 6.5 | 6.7 | 4.8 | 4.9 | 5.8 | 8.7 | 10.0 | 8.1 | 8.6 | 10.8 | 9.8 | 11.6 | 14.2 | 10.9 | 11.2 | 10.8 | 13.0 | 12.0 | 11.0 | 10.8 | 9.8 | 8.6 | 5.0 | 4.8 | 14.2 | 9.3 |
| | SE | SE | SE | SE | ENE | ENE | E | E | ESE | SE | SE | SE | SE | ENE | E | ENE | E | E | ENE | E | SE | SE | ESE | SE | | | 106(ESE) |
| Jul 17 | 4.3 | 4.6 | 4.3 | 3.0 | 5.2 | 4.0 | 3.0 | 3.1 | 2.3 | 2.4 | 10.3 | 8.0 | 6.1 | 4.0 | 7.3 | 8.3 | 9.0 | 8.2 | 7.4 | 8.0 | 4.6 | 12.4 | 11.2 | 10.7 | 2.3 | 12.4 | 6.3 |
| | ESE | ESE | SE | ESE | ESE | ESE | ESE | SSE | SSW | SE | SE | S | SSW | S | S | S | SSE | SSE | SE | SSE | SE | ESE | SE | SE | | | 148(SE) |
| Jul 18 | 11.4 | 12.5 | 13.0 | 10.9 | 11.3 | 12.2 | 11.6 | 12.5 | 14.6 | 17.9 | 20.9 | 18.8 | 21.2 | 18.2 | 17.9 | 15.3 | 16.4 | 19.2 | 18.7 | 19.4 | 13.4 | 11.4 | 7.0 | 11.0 | 7.0 | 21.2 | 14.9 |
| | SE | SSE | SSE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SE | SE | SE | SE | SE | SE | SE | ESE | SE | SSE | | | 139(SE) |
| Jul 19 | 6.3 | 5.4 | 4.7 | 4.2 | 2.4 | 1.4 | 5.4 | 4.4 | 2.3 | 9.2 | 14.5 | 12.7 | 13.6 | 11.8 | 11.2 | 8.3 | 5.3 | 10.2 | 16.9 | 18.9 | 15.9 | 15.1 | 7.7 | 6.5 | 1.4 | 18.9 | 8.9 |
| | SSE | SE | SE | ESE | NNE | SE | E | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SSE | SSW | SSW | SSW | SW | SW | | | 157(SSE) |
| Jul 20 | 2.5 | 7.0 | 5.7 | 3.6 | 5.7 | 4.9 | 2.8 | 3.8 | 6.3 | 4.6 | 5.8 | 8.8 | 8.7 | 6.8 | 9.2 | 16.7 | 20.4 | 15.5 | 9.7 | 7.3 | 14.4 | 20.8 | 18.6 | 15.5 | 2.5 | 20.8 | 9.4 |
| | ESE | ESE | SSE | S | SSW | SSE | S | WSW | SSW | WSW | W | WSW | WSW | WSW | WNW | NNW | N | N | NNW | N | N | N | N | N | | | 330(NNW) |
| Jul 21 | 15.3 | 15.4 | 13.3 | 12.5 | 10.9 | 8.5 | 8.9 | 10.4 | 8.2 | 6.9 | 8.9 | 11.4 | 12.5 | 10.8 | 11.4 | 11.9 | 11.7 | 11.0 | 9.5 | 8.3 | 2.9 | 4.6 | 4.4 | 4.6 | 2.9 | 15.4 | 9.8 |
| | N | N | N | N | NNE | N | N | NNE | N | NNW | NNW | N | N | NNW | N | NNW | N | N | N | NNE | ENE | SSE | ESE | SE | | | 360(N) |
| Jul 22 | 14.3 | 9.0 | 6.6 | 4.7 | 4.6 | 5.9 | 6.5 | 6.8 | 9.1 | 8.6 | 12.2 | 10.2 | 8.0 | 12.1 | 12.2 | 8.7 | 5.0 | 8.5 | 7.0 | 6.6 | 5.1 | 5.9 | 4.0 | 5.2 | 4.0 | 14.3 | 7.8 |
| | ESE | ESE | ESE | SE | SE | SE | S | SSW | SSW | SW | SW | SW | SW | SSW | SSW | SSW | SW | SW | SSW | SSW | SSW | SSE | SE | SE | | | 186(S) |
| Jul 23 | 4.2 | 7.4 | 5.3 | 3.7 | 5.8 | 1.0 | 3.7 | 8.7 | 9.4 | 8.3 | 10.5 | 11.0 | 10.3 | 14.1 | 13.0 | 8.3 | 9.8 | 12.0 | 13.0 | 9.4 | 9.5 | 11.7 | 9.6 | 7.6 | 1.0 | 14.1 | 8.6 |
| | SE | SE | SE | ESE | E | SE | S | SSE | S | S | S | S | SSW | SSW | S | SSE | SSW | S | SSW | SSE | SSE | SE | SE | SE | | | 171(S) |
| Jul 24 | 6.9 | 6.9 | 8.9 | 6.4 | 6.1 | 4.8 | 6.9 | 8.2 | 9.9 | 14.6 | 16.3 | 15.9 | 12.8 | 18.8 | 18.9 | 21.3 | 17.4 | 12.6 | 14.0 | 13.9 | 11.1 | 7.4 | 5.7 | 7.3 | 4.8 | 21.3 | 11.4 |
| | SE | ESE | ESE | ESE | ESE | SE | SE | SE | SSE | S | S | SW | SW | SW | WSW | WSW | NW | WNW | W | W | NW | W | SSW | WSW | | | 227(SW) |
| Jul 25 | 8.6 | 9.6 | 10.1 | 8.2 | 7.4 | 5.8 | 6.6 | 9.1 | 9.9 | 12.4 | 17.1 | 16.2 | 15.9 | 12.2 | 11.6 | 13.9 | 7.7 | 5.1 | 7.9 | 5.2 | 3.6 | 2.8 | 1.4 | 1.4 | 1.4 | 17.1 | 8.7 |
| | SW | SW | SW | SW | WSW | WSW | W | WNW | WNW | WNW | NNW | NW | NW | NW | NW | NNW | NNW | WNW | W | WNW | WSW | SW | SSW | W | | | 293(WNW) |
| Jul 26 | 2.5 | 1.0 | 3.8 | 4.1 | 2.0 | 2.4 | 1.7 | 3.6 | 4.2 | 5.4 | 7.9 | 6.4 | 6.6 | 14.3 | 10.2 | 14.6 | 9.9 | 5.1 | 11.8 | 11.7 | 10.6 | 8.3 | 10.4 | 10.7 | 1.0 | 14.6 | 7.1 |
| | SW | WSW | WSW | WSW | SW | SSW | NW | WNW | NW | WSW | W | W | N | NNW | NNW | N | NW | WNW | NNE | NNE | NNE | NNE | NNE | N | | | 335(NNW) |
| Jul 27 | 9.0 | 10.4 | 6.8 | 5.5 | 9.4 | 8.5 | 7.8 | 8.3 | 10.1 | 9.9 | 10.9 | 4.9 | 6.9 | 8.4 | 11.3 | 11.5 | 9.7 | 7.7 | 8.0 | 4.9 | 3.0 | 4.6 | 6.1 | 4.5 | 3.0 | 11.5 | 7.8 |
| | N | N | N | N | N | N | N | N | N | NNE | NE | ENE | NNE | NNE | N | N | N | N | NNE | NNE | ENE | ESE | ESE | SE | | | 17(NNE) |
| Jul 28 | 5.5 | 3.3 | 3.6 | 5.1 | 3.6 | 5.5 | 4.9 | 4.6 | 5.8 | 8.7 | 7.1 | 5.5 | 4.9 | 6.3 | 3.1 | 1.7 | 2.9 | 4.2 | 2.3 | 1.3 | 3.1 | 4.3 | 10.6 | 13.0 | 1.3 | 13.0 | 5.0 |
| | ESE | SE | ESE | ESE | ENE | E | E | SSE | SSW | SSW | SSW | SW | SW | SSW | SSE | E | WSW | W | SW | SSW | ESE | SE | SSE | SSE | | | 165(SSE) |
| Jul 29 | 7.2 | 2.5 | 1.8 | 2.6 | 4.3 | 3.5 | 4.7 | 7.7 | 8.6 | 9.4 | 11.7 | 10.4 | 9.1 | 8.8 | 3.6 | 5.5 | 2.8 | 4.8 | 6.1 | 7.8 | 8.8 | 12.0 | 11.9 | 13.8 | 1.8 | 13.8 | 7.1 |
| | SE | SE | SE | SE | SSE | SSE | SSW | SSW | SSW | S | SSW | SSW | SSW | SSW | WSW | WSW | W | WSW | SSW | S | S | SSE | SSE | SSE | | | 189(S) |
| Jul 30 | 8.4 | 1.2 | 2.3 | **0.5** | 4.0 | 4.3 | 4.5 | 5.8 | 6.4 | 7.5 | 11.4 | 12.2 | 10.5 | 8.9 | 6.7 | 7.2 | 4.8 | 1.0 | 2.7 | 4.2 | 1.5 | 4.6 | 7.0 | 7.9 | **0.5** | 12.2 | 5.6 |
| | SSE | SSW | WSW | E | SSE | S | SSE | S | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | W | SW | SSW | SW | SSE | SE | SE | SE | | | 193(S) |
| Jul 31 | 4.9 | 3.5 | 4.1 | 7.6 | 7.1 | 6.0 | 6.2 | 3.8 | 9.2 | 10.0 | 9.3 | 10.1 | 11.5 | 10.3 | 9.0 | 6.3 | 6.7 | 10.4 | 8.9 | 12.3 | 14.4 | 14.8 | 13.7 | 5.0 | 3.5 | 14.8 | 8.5 |
| | ESE | SE | SE | ESE | E | ESE | ESE | SE | SSE | S | SE | SE | SSE | S | SE | SSE | SSE | SE | SSE | SE | SE | SE | SW | SW | | | 148(SE) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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) | | | | | |

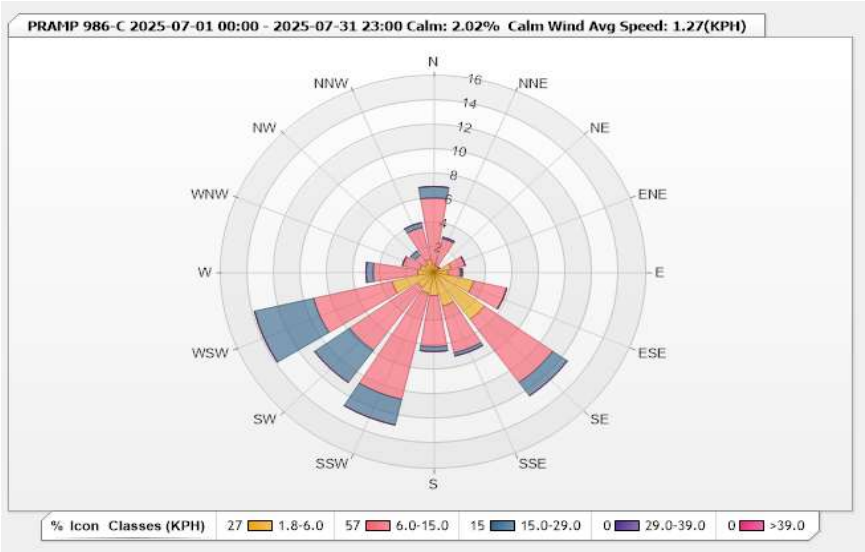
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

**Station: PRAMP 986-C  Monitor: WDS [KPH]  Monthly: 07-2025**

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

Calm (WS<1.8kph): 2.02%  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 | 0.67 | 5.38 | 0.94 | 0 | 0 | 6.99 |
| NNE | 0.54 | 2.28 | 0.13 | 0 | 0 | 2.95 |
| NE | 0.13 | 0.4 | 0 | 0 | 0 | 0.53 |
| ENE | 1.34 | 1.08 | 0 | 0 | 0 | 2.42 |
| E | 1.08 | 0.94 | 0.13 | 0 | 0 | 2.15 |
| ESE | 3.09 | 2.55 | 0 | 0 | 0 | 5.64 |
| SE | 4.7 | 6.32 | 1.34 | 0 | 0 | 12.36 |
| SSE | 2.82 | 3.9 | 0.27 | 0 | 0 | 6.99 |
| S | 1.88 | 4.17 | 0.4 | 0 | 0 | 6.45 |
| SSW | 1.75 | 8.87 | 2.15 | 0 | 0 | 12.77 |
| SW | 1.48 | 6.32 | 3.23 | 0 | 0 | 11.03 |
| WSW | 3.23 | 6.05 | 4.57 | 0 | 0 | 13.85 |
| W | 1.21 | 3.36 | 0.54 | 0 | 0 | 5.11 |
| WNW | 1.08 | 1.34 | 0 | 0 | 0 | 2.42 |
| NW | 0.81 | 0.94 | 0.4 | 0 | 0 | 2.15 |
| NNW | 1.08 | 2.69 | 0.4 | 0 | 0 | 4.17 |
| Summary | 26.89 | 56.59 | 14.5 | 0 | 0 | 97.98 |



# 842-B STATION

## *Peace River Area Monitoring Program*

### *842-B Station - July 2025*

### Summary of Hourly Averages

### SULPHUR DIOXIDE ($SO_2$) in ppb

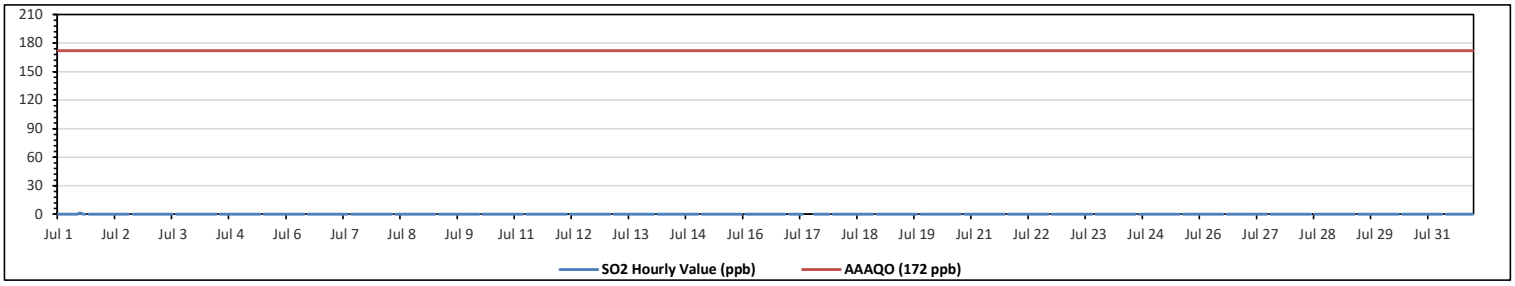
**Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb**

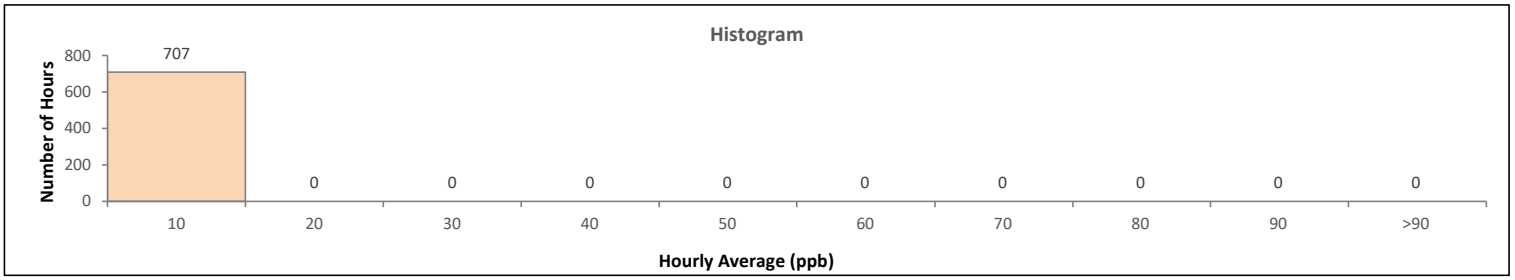
| | | | | | | |
|---|---|---|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | Number of 24-Hour Exceedances: | 0 | 30-Day Exceedence: | 0 | |
| Maximum Hourly Value: | 1 | ppb | on Jul 1 at hr 11 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.1 | ppb | on Jul 1 | Hours of Data: | 707 | |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 0 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.0 | ppb | on Jul 2 | 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 | | | |
| Jul 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **1** | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **1** | **0.1** |
| Jul 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 |
| Jul 3 | 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 |
| Jul 4 | 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 |
| Jul 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 |
| Jul 6 | 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 |
| Jul 7 | 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 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 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 |
| Jul 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 |
| Jul 12 | 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 |
| Jul 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 |
| Jul 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 |
| Jul 15 | 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 |
| Jul 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 |
| Jul 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C | C | C | C | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0.0 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 22 | 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 |
| Jul 23 | 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 |
| Jul 24 | 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 |
| Jul 25 | 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 |
| Jul 26 | 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 |
| Jul 27 | 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 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.



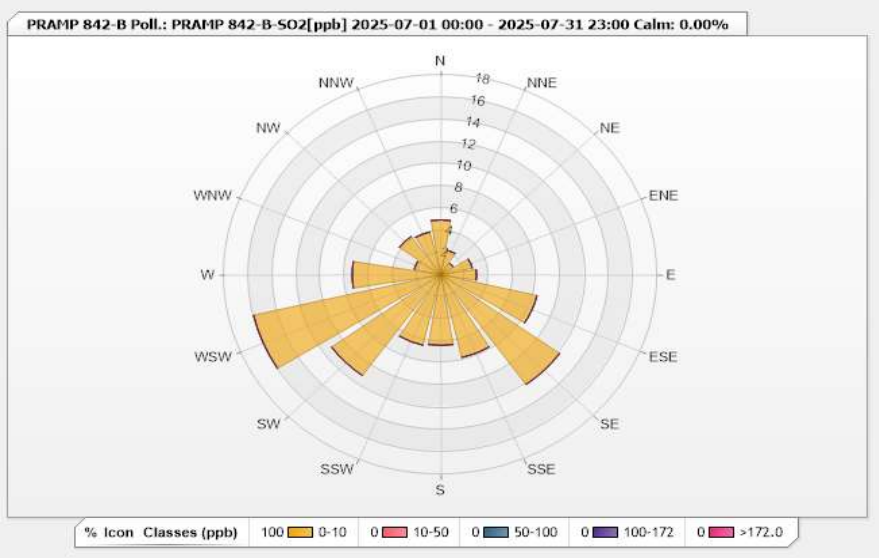



**Station: PRAMP 842-B Poll.: PRAMP 842-B-SO2[ppb]  Monthly: 07-2025**

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 | 4.95 | 0 | 0 | 0 | 0 | 4.95 |
| NNE | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NE | 1.27 | 0 | 0 | 0 | 0 | 1.27 |
| ENE | 2.69 | 0 | 0 | 0 | 0 | 2.69 |
| E | 2.97 | 0 | 0 | 0 | 0 | 2.97 |
| ESE | 8.2 | 0 | 0 | 0 | 0 | 8.2 |
| SE | 12.16 | 0 | 0 | 0 | 0 | 12.16 |
| SSE | 7.64 | 0 | 0 | 0 | 0 | 7.64 |
| S | 6.36 | 0 | 0 | 0 | 0 | 6.36 |
| SSW | 6.51 | 0 | 0 | 0 | 0 | 6.51 |
| SW | 11.17 | 0 | 0 | 0 | 0 | 11.17 |
| WSW | 15.98 | 0 | 0 | 0 | 0 | 15.98 |
| W | 7.36 | 0 | 0 | 0 | 0 | 7.36 |
| WNW | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NW | 4.24 | 0 | 0 | 0 | 0 | 4.24 |
| NNW | 3.96 | 0 | 0 | 0 | 0 | 3.96 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***842-B Station - July 2025***

**Summary of Hourly Averages**

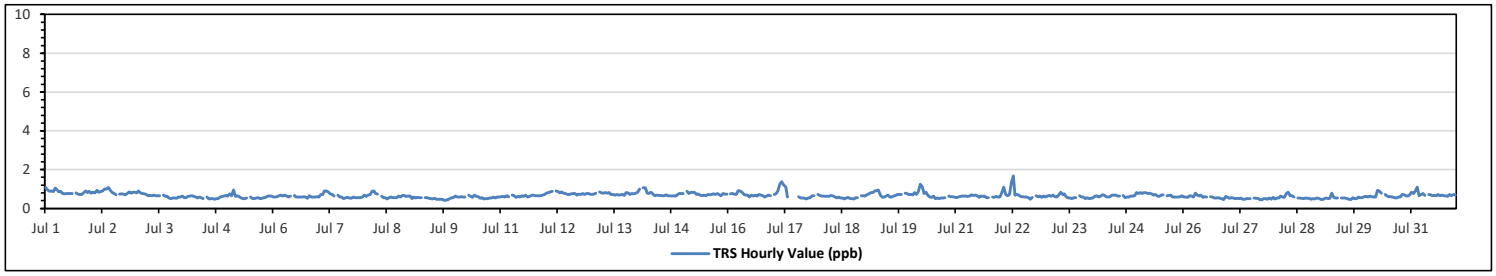
**TOTAL REDUCED SULPHUR (TRS) in ppb**

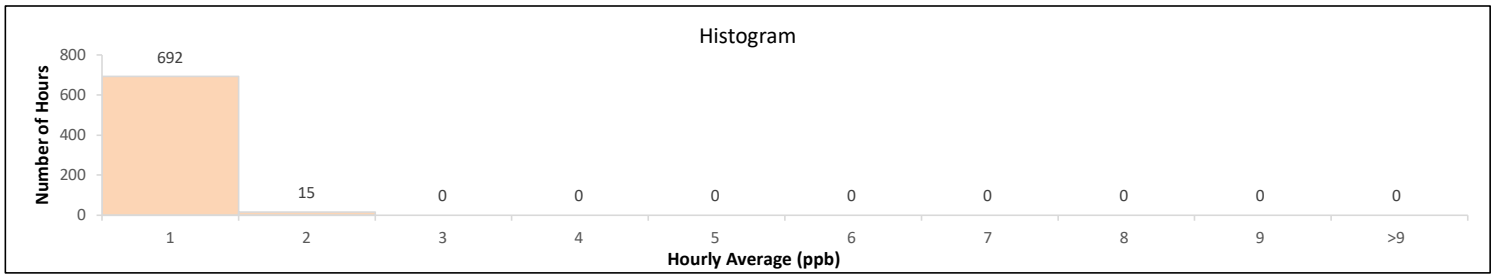
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 1.67 | ppb | on Jul 22 at hr 6 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.85 | ppb | on Jul 1 | Hours of Data: | 707 | |
| Minimum Hourly Value: | 0.42 | ppb | on Jul 9 at hr 19 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.51 | ppb | on Jul 27 | Hours of Calibration: | 37 | |
| Monthly Average: | 0.66 | 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 | | | |
| Jul 1 | 1.08 | 0.95 | 0.88 | 0.91 | 0.87 | 1.05 | 0.96 | 0.86 | 0.88 | 0.78 | 0.75 | 0.76 | 0.77 | 0.78 | 0.77 | S | 0.8 | 0.74 | 0.72 | 0.73 | 0.81 | 0.91 | 0.82 | 0.88 | 0.72 | 1.08 | **0.85** |
| Jul 2 | 0.79 | 0.84 | 0.8 | 0.93 | 0.84 | 0.87 | 0.89 | 0.99 | 1 | 1.08 | 0.94 | 0.81 | 0.76 | 0.7 | S | 0.74 | 0.75 | 0.74 | 0.7 | 0.76 | 0.86 | 0.79 | 0.83 | 0.84 | 0.70 | 1.08 | 0.84 |
| Jul 3 | 0.8 | 0.9 | 0.8 | 0.77 | 0.75 | 0.71 | 0.66 | 0.67 | 0.66 | 0.68 | 0.66 | 0.66 | 0.66 | S | 0.69 | 0.62 | 0.64 | 0.54 | 0.51 | 0.54 | 0.54 | 0.52 | 0.6 | 0.59 | 0.51 | 0.90 | 0.66 |
| Jul 4 | 0.63 | 0.55 | 0.55 | 0.62 | 0.63 | 0.66 | 0.62 | 0.58 | 0.54 | 0.58 | 0.56 | 0.5 | S | 0.58 | 0.49 | 0.51 | 0.51 | 0.47 | 0.5 | 0.51 | 0.59 | 0.62 | 0.63 | 0.67 | 0.47 | 0.67 | 0.57 |
| Jul 5 | 0.63 | 0.75 | 0.66 | 0.96 | 0.62 | 0.66 | 0.61 | 0.54 | 0.51 | 0.5 | 0.53 | S | 0.6 | 0.51 | 0.51 | 0.54 | 0.56 | 0.51 | 0.52 | 0.56 | 0.57 | 0.64 | 0.63 | 0.64 | 0.50 | 0.96 | 0.60 |
| Jul 6 | 0.6 | 0.58 | 0.61 | 0.65 | 0.68 | 0.64 | 0.68 | 0.63 | 0.6 | 0.64 | S | 0.67 | 0.6 | 0.59 | 0.6 | 0.59 | 0.61 | 0.58 | 0.52 | 0.65 | 0.59 | 0.58 | 0.59 | 0.61 | 0.52 | 0.68 | 0.61 |
| Jul 7 | 0.58 | 0.72 | 0.72 | 0.91 | 0.89 | 0.85 | 0.75 | 0.73 | 0.63 | S | 0.68 | 0.59 | 0.6 | 0.51 | 0.54 | 0.57 | 0.54 | 0.52 | 0.59 | 0.55 | 0.55 | 0.55 | 0.55 | 0.59 | 0.51 | 0.91 | 0.64 |
| Jul 8 | 0.68 | 0.62 | 0.69 | 0.73 | 0.88 | 0.91 | 0.76 | 0.74 | S | 0.63 | 0.55 | 0.56 | 0.49 | 0.56 | 0.58 | 0.56 | 0.55 | 0.56 | 0.63 | 0.59 | 0.67 | 0.67 | 0.62 | 0.64 | 0.49 | 0.91 | 0.65 |
| Jul 9 | 0.63 | 0.51 | 0.58 | 0.54 | 0.57 | 0.56 | 0.56 | S | 0.56 | 0.55 | 0.52 | 0.51 | 0.49 | 0.52 | 0.48 | 0.47 | 0.47 | 0.48 | 0.43 | 0.42 | 0.46 | 0.5 | 0.55 | 0.55 | 0.42 | 0.63 | 0.52 |
| Jul 10 | 0.64 | 0.58 | 0.6 | 0.61 | 0.59 | 0.6 | S | 0.68 | 0.62 | 0.57 | 0.68 | 0.62 | 0.61 | 0.52 | 0.55 | 0.49 | 0.51 | 0.51 | 0.53 | 0.54 | 0.58 | 0.54 | 0.58 | 0.6 | 0.49 | 0.68 | 0.58 |
| Jul 11 | 0.61 | 0.62 | 0.59 | 0.65 | 0.61 | S | 0.68 | 0.65 | 0.57 | 0.62 | 0.58 | 0.65 | 0.62 | 0.69 | 0.59 | 0.62 | 0.67 | 0.68 | 0.66 | 0.66 | 0.66 | 0.66 | 0.68 | 0.73 | 0.57 | 0.73 | 0.64 |
| Jul 12 | 0.79 | 0.82 | 0.86 | 0.88 | S | 0.9 | 0.87 | 0.8 | 0.85 | 0.79 | 0.77 | 0.72 | 0.73 | 0.75 | 0.78 | 0.76 | 0.69 | 0.74 | 0.72 | 0.77 | 0.72 | 0.78 | 0.77 | 0.74 | 0.69 | 0.90 | 0.78 |
| Jul 13 | 0.72 | 0.74 | 0.79 | S | 0.85 | 0.8 | 0.79 | 0.82 | 0.79 | 0.81 | 0.71 | 0.72 | 0.69 | 0.72 | 0.69 | 0.7 | 0.71 | 0.67 | 0.81 | 0.8 | 0.73 | 0.76 | 0.75 | 0.79 | 0.67 | 0.85 | 0.75 |
| Jul 14 | 0.83 | 1 | S | 1.07 | 1.06 | 0.79 | 0.77 | 0.83 | 0.75 | 0.66 | 0.69 | 0.67 | 0.67 | 0.66 | 0.65 | 0.7 | 0.66 | 0.66 | 0.64 | 0.65 | 0.63 | 0.72 | 0.78 | 0.77 | 0.63 | 1.07 | 0.75 |
| Jul 15 | 0.77 | S | 0.88 | 0.78 | 0.81 | 0.83 | 0.81 | 0.71 | 0.75 | 0.69 | 0.66 | 0.68 | 0.65 | 0.71 | 0.7 | 0.71 | 0.75 | 0.73 | 0.78 | 0.72 | 0.66 | 0.78 | 0.74 | 0.74 | 0.65 | 0.88 | 0.74 |
| Jul 16 | S | 0.75 | 0.76 | 0.74 | 0.73 | 0.92 | 0.9 | 0.84 | 0.73 | 0.69 | 0.69 | 0.59 | 0.68 | 0.64 | 0.68 | 0.63 | 0.72 | 0.68 | 0.65 | 0.6 | 0.63 | 0.68 | 0.65 | S | 0.59 | 0.92 | 0.71 |
| Jul 17 | 0.73 | 0.76 | 0.9 | 1.24 | 1.38 | 1.21 | 1.1 | 0.58 | C | C | C | C | C | 0.61 | 0.53 | 0.53 | 0.52 | 0.49 | 0.54 | 0.56 | 0.66 | 0.65 | S | 0.71 | 0.49 | 1.38 | 0.76 |
| Jul 18 | 0.67 | 0.63 | 0.63 | 0.62 | 0.64 | 0.62 | 0.67 | 0.64 | 0.6 | 0.53 | 0.6 | 0.54 | 0.53 | 0.49 | 0.53 | 0.57 | 0.5 | 0.51 | 0.49 | 0.56 | 0.55 | S | 0.65 | 0.65 | 0.49 | 0.67 | 0.58 |
| Jul 19 | 0.64 | 0.71 | 0.75 | 0.81 | 0.82 | 0.9 | 0.92 | 0.94 | 0.67 | 0.57 | 0.58 | 0.63 | 0.68 | 0.58 | 0.59 | 0.64 | 0.67 | 0.71 | 0.72 | 0.71 | S | 0.79 | 0.77 | 0.72 | 0.57 | 0.94 | 0.72 |
| Jul 20 | 0.73 | 0.7 | 0.82 | 0.72 | 0.87 | 1.25 | 1.14 | 0.78 | 0.83 | 0.67 | 0.6 | 0.57 | 0.63 | 0.51 | 0.53 | 0.51 | 0.54 | 0.54 | 0.56 | S | 0.64 | 0.61 | 0.61 | 0.58 | 0.51 | 1.25 | 0.69 |
| Jul 21 | 0.56 | 0.58 | 0.62 | 0.64 | 0.63 | 0.64 | 0.62 | 0.63 | 0.7 | 0.67 | 0.69 | 0.65 | 0.57 | 0.63 | 0.62 | 0.63 | 0.55 | 0.55 | S | 0.6 | 0.57 | 0.62 | 0.58 | 0.59 | 0.55 | 0.70 | 0.61 |
| Jul 22 | 0.82 | 1.1 | 0.72 | 0.65 | 0.73 | 1.34 | **1.67** | 0.69 | 0.73 | 0.68 | 0.61 | 0.61 | 0.6 | 0.6 | 0.55 | 0.48 | 0.57 | S | 0.66 | 0.61 | 0.63 | 0.57 | 0.64 | 0.6 | 0.48 | **1.67** | 0.73 |
| Jul 23 | 0.64 | 0.67 | 0.62 | 0.69 | 0.61 | 0.59 | 0.7 | 0.83 | 0.73 | 0.75 | 0.61 | 0.53 | 0.53 | 0.51 | 0.56 | 0.56 | S | 0.65 | 0.59 | 0.58 | 0.51 | 0.55 | 0.51 | 0.52 | 0.51 | 0.83 | 0.61 |
| Jul 24 | 0.54 | 0.62 | 0.65 | 0.6 | 0.63 | 0.7 | 0.68 | 0.61 | 0.58 | 0.61 | 0.69 | 0.69 | 0.69 | 0.64 | 0.64 | S | 0.67 | 0.55 | 0.58 | 0.59 | 0.64 | 0.63 | 0.65 | 0.81 | 0.54 | 0.81 | 0.64 |
| Jul 25 | 0.77 | 0.81 | 0.78 | 0.81 | 0.8 | 0.76 | 0.79 | 0.75 | 0.69 | 0.71 | 0.64 | 0.62 | 0.69 | 0.7 | S | 0.66 | 0.67 | 0.69 | 0.6 | 0.58 | 0.59 | 0.59 | 0.61 | 0.65 | 0.58 | 0.81 | 0.69 |
| Jul 26 | 0.6 | 0.58 | 0.57 | 0.66 | 0.64 | 0.58 | 0.79 | 0.68 | 0.64 | 0.68 | 0.57 | 0.61 | 0.58 | S | 0.61 | 0.59 | 0.53 | 0.54 | 0.55 | 0.52 | 0.51 | 0.46 | 0.62 | 0.57 | 0.46 | 0.79 | 0.59 |
| Jul 27 | 0.52 | 0.55 | 0.54 | 0.51 | 0.52 | 0.5 | 0.54 | 0.47 | 0.48 | 0.5 | 0.5 | 0.51 | S | 0.54 | 0.52 | 0.52 | 0.45 | 0.44 | 0.51 | 0.5 | 0.48 | 0.53 | 0.48 | 0.57 | 0.44 | 0.57 | 0.51 |
| Jul 28 | 0.49 | 0.53 | 0.54 | 0.64 | 0.6 | 0.57 | 0.76 | 0.83 | 0.66 | 0.65 | 0.58 | S | 0.53 | 0.54 | 0.52 | 0.5 | 0.53 | 0.52 | 0.52 | 0.48 | 0.5 | 0.49 | 0.53 | 0.52 | 0.48 | 0.83 | 0.57 |
| Jul 29 | 0.48 | 0.46 | 0.5 | 0.53 | 0.5 | 0.52 | 0.79 | 0.55 | 0.54 | 0.54 | S | 0.54 | 0.54 | 0.53 | 0.51 | 0.48 | 0.46 | 0.56 | 0.51 | 0.51 | 0.58 | 0.55 | 0.56 | 0.61 | 0.46 | 0.79 | 0.54 |
| Jul 30 | 0.62 | 0.59 | 0.64 | 0.61 | 0.58 | 0.59 | 0.93 | 0.9 | 0.79 | S | 0.73 | 0.63 | 0.61 | 0.61 | 0.58 | 0.55 | 0.53 | 0.59 | 0.58 | 0.73 | 0.7 | 0.65 | 0.63 | 0.68 | 0.53 | 0.93 | 0.65 |
| Jul 31 | 0.83 | 0.76 | 0.92 | 1.1 | 0.65 | 0.73 | 0.77 | 0.67 | S | 0.72 | 0.7 | 0.65 | 0.67 | 0.66 | 0.71 | 0.66 | 0.69 | 0.65 | 0.65 | 0.62 | 0.71 | 0.65 | 0.72 | 0.68 | 0.62 | 1.10 | 0.72 |
| Diurnal Maximum | 1.08 | 1.10 | 0.92 | 1.24 | 1.38 | 1.34 | 1.67 | 0.99 | 1.00 | 1.08 | 0.94 | 0.81 | 0.77 | 0.78 | 0.78 | 0.76 | 0.80 | 0.74 | 0.81 | 0.80 | 0.86 | 0.91 | 0.83 | 0.88 | | | |
| Diurnal Average | 0.68 | 0.70 | 0.70 | 0.75 | 0.73 | 0.78 | 0.81 | 0.72 | 0.68 | 0.66 | 0.65 | 0.62 | 0.62 | 0.61 | 0.60 | 0.59 | 0.60 | 0.59 | 0.60 | 0.61 | 0.62 | 0.63 | 0.64 | 0.66 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 - July 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

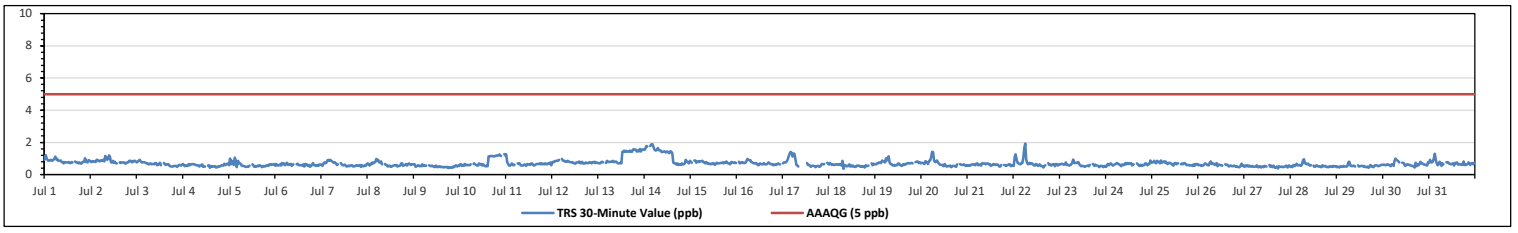
| | | | | | |
|---|---|---|---|---|---|
| Maximum 30-Minute Value: | 1.93 ppb | on Jul 22 at 06:00 | # of Instrument in Service | 1488 |
| Maximum Daily Value: | 1.21 ppb | on Jul 14 | # of Valid Measurements | 1414 |
| Minimum 30-Minute Value: | 0.37 ppb | Jul 18 at 07:30 | # of Missing Measurements: | 2 |
| Minimum Daily Value: | 0.51 ppb | on Jul 27 | # of Calibration: | 72 |
| Monthly Average: | 0.70 ppb | | Operational Uptime: | 99.9 |

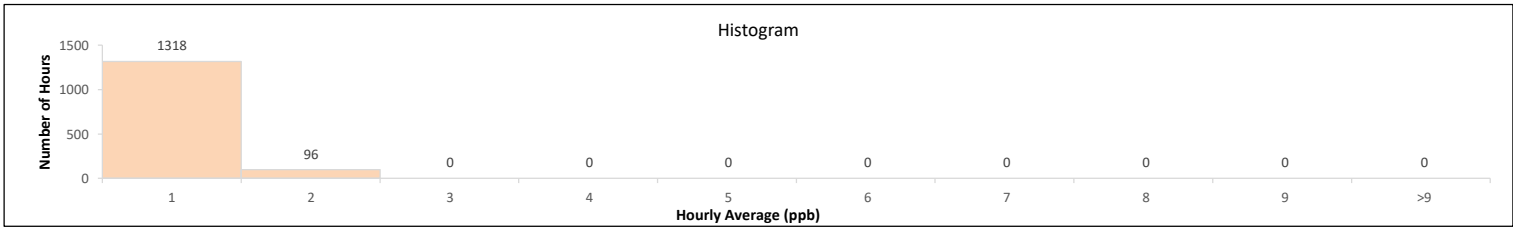
| 30-Minute Period Starting at (MST) | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 | Jul 27 | Jul 28 | Jul 29 | Jul 30 | Jul 31 | Diurnal Maximum | Diurnal Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 0.92 | 0.81 | 0.76 | 0.66 | 0.58 | 0.54 | 0.62 | 0.71 | 0.64 | 0.64 | 1.25 | 0.77 | 0.73 | 1.54 | 0.8 | S | 0.71 | 0.62 | 0.65 | 0.74 | 0.55 | 0.55 | 0.65 | 0.48 | 0.79 | 0.58 | 0.49 | 0.49 | 0.47 | 0.61 | 0.74 | 1.54 | 0.70 |
| 00:30 | 1.23 | 0.78 | 0.83 | 0.59 | 1 | 0.66 | 0.55 | 0.64 | 0.63 | 0.63 | 0.79 | 0.81 | 0.71 | 1.62 | 0.74 | S | 0.76 | 0.72 | 0.63 | 0.72 | 0.57 | 1.09 | 0.64 | 0.59 | 0.75 | 0.61 | 0.56 | 0.5 | 0.5 | 0.62 | 0.92 | 1.62 | 0.75 |
| 01:00 | 1 | 0.84 | 0.89 | 0.53 | 0.64 | 0.59 | 0.69 | 0.57 | 0.49 | 0.54 | 0.66 | 0.79 | 0.71 | 1.78 | S | 0.8 | 0.76 | 0.66 | 0.71 | 0.73 | 0.6 | 1.25 | 0.68 | 0.66 | 0.85 | 0.61 | 0.53 | 0.46 | 0.48 | 0.6 | 0.77 | 1.78 | 0.73 |
| 01:30 | 0.9 | 0.83 | 0.91 | 0.58 | 0.85 | 0.57 | 0.75 | 0.68 | 0.52 | 0.61 | 0.57 | 0.84 | 0.78 | 1.75 | S | 0.71 | 0.77 | 0.6 | 0.71 | 0.67 | 0.56 | 0.95 | 0.66 | 0.58 | 0.77 | 0.54 | 0.58 | 0.6 | 0.44 | 0.58 | 0.76 | 1.75 | 0.72 |
| 02:00 | 0.89 | 0.83 | 0.83 | 0.55 | 0.71 | 0.6 | 0.7 | 0.63 | 0.57 | 0.54 | 0.57 | 0.87 | 0.81 | S | 0.88 | 0.73 | 0.84 | 0.65 | 0.77 | 0.84 | 0.62 | 0.74 | 0.62 | 0.63 | 0.7 | 0.57 | 0.51 | 0.54 | 0.52 | 0.62 | 0.82 | 0.89 | 0.69 |
| 02:30 | 0.87 | 0.78 | 0.77 | 0.54 | 0.61 | 0.63 | 0.74 | 0.75 | 0.59 | 0.66 | 0.61 | 0.85 | 0.77 | S | 0.88 | 0.78 | 0.96 | 0.61 | 0.74 | 0.8 | 0.63 | 0.7 | 0.62 | 0.7 | 0.86 | 0.56 | 0.57 | 0.55 | 0.49 | 0.65 | 1.02 | 1.02 | 0.71 |
| 03:00 | 0.9 | 0.93 | 0.76 | 0.66 | 1.06 | 0.56 | 0.88 | 0.69 | 0.53 | 0.59 | 0.69 | 0.86 | S | 1.79 | 0.74 | 0.75 | 1.15 | 0.61 | 0.73 | 0.78 | 0.62 | 0.66 | 0.76 | 0.63 | 0.82 | 0.62 | 0.51 | 0.68 | 0.51 | 0.61 | 1.3 | 1.79 | 0.78 |
| 03:30 | 0.93 | 0.93 | 0.78 | 0.59 | 0.86 | 0.73 | 0.93 | 0.77 | 0.55 | 0.62 | 0.61 | 0.91 | S | 1.87 | 0.82 | 0.73 | 1.33 | 0.63 | 0.89 | 0.66 | 0.65 | 0.65 | 0.61 | 0.57 | 0.81 | 0.7 | 0.5 | 0.59 | 0.54 | 0.61 | 0.92 | 1.87 | 0.78 |
| 04:00 | 0.85 | 0.85 | 0.76 | 0.64 | 0.47 | 0.64 | 0.86 | 0.78 | 0.52 | 0.58 | 0.59 | S | 0.72 | 1.89 | 0.79 | 0.73 | 1.42 | 0.65 | 0.84 | 0.86 | 0.58 | 0.72 | 0.61 | 0.6 | 0.71 | 0.66 | 0.55 | 0.58 | 0.5 | 0.52 | 0.71 | 1.89 | 0.74 |
| 04:30 | 0.9 | 0.83 | 0.74 | 0.63 | 0.85 | 0.71 | 0.93 | 0.98 | 0.63 | 0.6 | 0.62 | S | 0.85 | 1.74 | 0.84 | 0.74 | 1.35 | 0.64 | 0.81 | 0.89 | 0.68 | 0.73 | 0.61 | 0.65 | 0.89 | 0.62 | 0.5 | 0.61 | 0.5 | 0.64 | 0.59 | 1.74 | 0.78 |
| 05:00 | 0.99 | 0.85 | 0.7 | 0.67 | 0.7 | 0.59 | 0.87 | 0.89 | 0.54 | 0.58 | S | 0.97 | 0.8 | 1.58 | 0.82 | 0.85 | 1.12 | 0.6 | 0.77 | 1.09 | 0.7 | 1.04 | 0.57 | 0.67 | 0.74 | 0.59 | 0.49 | 0.59 | 0.5 | 0.65 | 0.64 | 1.58 | 0.77 |
| 05:30 | 1.12 | 0.9 | 0.71 | 0.65 | 0.7 | 0.68 | 0.83 | 0.93 | 0.59 | 0.63 | S | 0.88 | 0.79 | 1.52 | 0.84 | 0.99 | 1.31 | 0.64 | 1.02 | 1.42 | 0.58 | 1.65 | 0.61 | 0.72 | 0.78 | 0.58 | 0.51 | 0.54 | 0.54 | 0.54 | 0.81 | 1.65 | 0.83 |
| 06:00 | 0.94 | 0.85 | 0.65 | 0.64 | 0.67 | 0.74 | 0.79 | 0.76 | 0.55 | S | 0.69 | 0.84 | 0.8 | 1.51 | 0.85 | 0.91 | 1.28 | 0.67 | 0.88 | 1.4 | 0.61 | 1.93 | 0.64 | 0.71 | 0.82 | 0.75 | 0.5 | 0.63 | 0.78 | 0.86 | 0.72 | 1.93 | 0.85 |
| 06:30 | 0.99 | 0.93 | 0.66 | 0.61 | 0.57 | 0.61 | 0.72 | 0.76 | 0.56 | S | 0.66 | 0.86 | 0.8 | 1.53 | 0.78 | 0.9 | 0.95 | 0.57 | 0.96 | 0.89 | 0.63 | 0.94 | 0.75 | 0.65 | 0.77 | 0.82 | 0.58 | 0.89 | 0.8 | 1.01 | 0.55 | 1.53 | 0.79 |
| 07:00 | 0.86 | 0.83 | 0.71 | 0.59 | 0.54 | 0.63 | 0.75 | 0.83 | S | 0.67 | 0.7 | 0.8 | 0.8 | 1.65 | 0.76 | 0.9 | 0.6 | 0.87 | 1.13 | 0.78 | 0.57 | 0.73 | 0.94 | 0.63 | 0.82 | 0.67 | 0.47 | 0.96 | 0.57 | 0.92 | 0.7 | 1.65 | 0.78 |
| 07:30 | 0.85 | 1.15 | 0.63 | 0.58 | 0.55 | 0.62 | 0.71 | 0.65 | S | 0.69 | 0.59 | 0.8 | 0.85 | 1.52 | 0.69 | 0.79 | 0.57 | 0.37 | 0.75 | 0.79 | 0.69 | 0.65 | 0.73 | 0.58 | 0.69 | 0.69 | 0.47 | 0.69 | 0.54 | 0.88 | 0.64 | 1.52 | 0.71 |
| 08:00 | 0.86 | 1.09 | 0.67 | 0.58 | 0.53 | 0.66 | 0.61 | S | 0.58 | 0.63 | 0.57 | 0.86 | 0.79 | 1.52 | 0.79 | 0.75 | 0.5 | 0.61 | 0.66 | 0.88 | 0.71 | 0.72 | 0.72 | 0.52 | 0.67 | 0.68 | 0.52 | 0.69 | 0.53 | 0.82 | S | 1.52 | 0.71 |
| 08:30 | 0.89 | 0.92 | 0.66 | 0.5 | 0.49 | 0.55 | 0.64 | S | 0.55 | 0.6 | 0.57 | 0.83 | 0.79 | 1.48 | 0.7 | 0.72 | C | 0.59 | 0.67 | 0.79 | 0.68 | 0.73 | 0.74 | 0.64 | 0.72 | 0.6 | 0.44 | 0.64 | 0.55 | 0.76 | S | 1.48 | 0.69 |
| 09:00 | 0.78 | 0.97 | 0.64 | 0.57 | 0.48 | 0.64 | S | 0.66 | 0.52 | 0.57 | 0.59 | 0.78 | 0.83 | 1.4 | 0.72 | 0.69 | C | 0.53 | 0.59 | 0.72 | 0.69 | 0.67 | 0.72 | 0.61 | 0.74 | 0.65 | 0.5 | 0.68 | 0.56 | S | 0.79 | 1.40 | 0.69 |
| 09:30 | 0.77 | 1.19 | 0.72 | 0.58 | 0.51 | 0.65 | S | 0.61 | 0.57 | 0.57 | 0.65 | 0.79 | 0.78 | 1.41 | 0.66 | 0.7 | C | 0.53 | 0.56 | 0.63 | 0.65 | 0.69 | 0.78 | 0.61 | 0.69 | 0.72 | 0.5 | 0.61 | 0.51 | S | 0.74 | 1.41 | 0.69 |
| 10:00 | 0.71 | 1.1 | 0.72 | 0.63 | 0.48 | S | 0.72 | 0.6 | 0.51 | 0.7 | 0.61 | 0.76 | 0.72 | 1.43 | 0.68 | 0.72 | C | 0.57 | 0.61 | 0.61 | 0.68 | 0.63 | 0.63 | 0.73 | 0.68 | 0.53 | 0.46 | 0.57 | S | 0.74 | 0.76 | 1.43 | 0.69 |
| 10:30 | 0.79 | 0.77 | 0.59 | 0.48 | 0.57 | S | 0.65 | 0.5 | 0.53 | 0.65 | 0.55 | 0.78 | 0.7 | 1.44 | 0.65 | 0.67 | C | 0.64 | 0.56 | 0.6 | 0.7 | 0.59 | 0.58 | 0.64 | 0.61 | 0.62 | 0.55 | 0.59 | S | 0.73 | 0.68 | 1.44 | 0.66 |
| 11:00 | 0.77 | 0.76 | 0.66 | 0.51 | S | 0.65 | 0.59 | 0.55 | 0.47 | 0.67 | 0.66 | 0.73 | 0.69 | 1.38 | 0.7 | 0.59 | C | 0.51 | 0.6 | 0.61 | 0.64 | 0.57 | 0.52 | 0.72 | 0.56 | 0.62 | 0.52 | S | 0.58 | 0.71 | 0.67 | 1.38 | 0.65 |
| 11:30 | 0.76 | 0.86 | 0.65 | 0.5 | S | 0.68 | 0.59 | 0.57 | 0.56 | 0.56 | 0.64 | 0.71 | 0.74 | 1.45 | 0.66 | 0.6 | C | 0.58 | 0.61 | 0.53 | 0.66 | 0.66 | 0.54 | 0.67 | 0.69 | 0.59 | 0.51 | S | 0.51 | 0.55 | 0.63 | 1.45 | 0.65 |
| 12:00 | 0.75 | 0.72 | 0.74 | S | 0.64 | 0.61 | 0.62 | 0.48 | 0.51 | 0.64 | 0.64 | 0.68 | 0.71 | 1.43 | 0.7 | 0.71 | C | 0.51 | 0.69 | 0.66 | 0.54 | 0.65 | 0.55 | 0.7 | 0.72 | 0.59 | S | 0.57 | 0.52 | 0.58 | 0.68 | 1.43 | 0.66 |
| 12:30 | 0.79 | 0.81 | 0.58 | S | 0.56 | 0.59 | 0.58 | 0.5 | 0.47 | 0.59 | 0.61 | 0.77 | 1.41 | 1.39 | 0.61 | 0.66 | 0.72 | 0.57 | 0.66 | 0.59 | 0.6 | 0.54 | 0.52 | 0.68 | 0.65 | 0.56 | S | 0.49 | 0.55 | 0.64 | 0.71 | 1.41 | 0.67 |
| 13:00 | 0.72 | 0.71 | S | 0.57 | 0.48 | 0.6 | 0.5 | 0.54 | 0.5 | 0.52 | 0.68 | 0.76 | 1.44 | 1.34 | 0.68 | 0.64 | 0.6 | 0.5 | 0.6 | 0.51 | 0.6 | 0.58 | 0.49 | 0.72 | 0.71 | S | 0.6 | 0.5 | 0.54 | 0.63 | 0.57 | 1.44 | 0.65 |
| 13:30 | 0.72 | 0.69 | S | 0.59 | 0.54 | 0.58 | 0.53 | 0.57 | 0.53 | 0.53 | 0.71 | 0.75 | 1.51 | 1.46 | 0.74 | 0.64 | 0.61 | 0.49 | 0.57 | 0.52 | 0.66 | 0.63 | 0.53 | 0.57 | 0.69 | S | 0.49 | 0.59 | 0.52 | 0.6 | 0.73 | 1.51 | 0.67 |
| 14:00 | 0.78 | S | 0.72 | 0.43 | 0.49 | 0.56 | 0.56 | 0.58 | 0.46 | 0.57 | 0.6 | 0.83 | 1.41 | 1.42 | 0.7 | 0.73 | 0.57 | 0.49 | 0.54 | 0.55 | 0.63 | 0.54 | 0.55 | 0.63 | S | 0.63 | 0.57 | 0.54 | 0.54 | 0.6 | 0.72 | 1.42 | 0.65 |
| 14:30 | 0.76 | S | 0.66 | 0.55 | 0.52 | 0.65 | 0.53 | 0.58 | 0.49 | 0.52 | 0.57 | 0.73 | 1.47 | 1.34 | 0.69 | 0.63 | 0.49 | 0.57 | 0.64 | 0.53 | 0.61 | 0.55 | 0.57 | 0.64 | S | 0.6 | 0.47 | 0.5 | 0.49 | 0.57 | 0.75 | 1.47 | 0.64 |
| 15:00 | S | 0.77 | 0.6 | 0.49 | 0.56 | 0.51 | 0.56 | 0.61 | 0.49 | 1.13 | 0.61 | 0.71 | 1.45 | 0.76 | 0.7 | 0.63 | 0.54 | 0.57 | 0.61 | 0.56 | 0.62 | 0.5 | 0.52 | S | 0.63 | 0.62 | 0.57 | 0.52 | 0.49 | 0.55 | 0.62 | 1.45 | 0.64 |
| 15:30 | S | 0.72 | 0.65 | 0.53 | 0.53 | 0.67 | 0.59 | 0.51 | 0.45 | 1.12 | 0.63 | 0.81 | 1.45 | 0.71 | 0.72 | 0.63 | 0.56 | 0.57 | 0.66 | 0.46 | 0.63 | 0.45 | 0.61 | S | 0.69 | 0.57 | 0.48 | 0.48 | 0.46 | 0.55 | 0.67 | 1.45 | 0.64 |
| 16:00 | 0.82 | 0.75 | 0.64 | 0.51 | 0.58 | 0.58 | 0.58 | 0.55 | 0.48 | 1.15 | 0.66 | 0.7 | 1.42 | 0.7 | 0.73 | 0.69 | 0.54 | 0.51 | 0.65 | 0.54 | 0.59 | 0.54 | S | 0.7 | 0.63 | 0.5 | 0.42 | 0.47 | 0.5 | 0.53 | 0.64 | 1.42 | 0.64 |
| 16:30 | 0.77 | 0.75 | 0.64 | 0.52 | 0.54 | 0.64 | 0.51 | 0.55 | 0.46 | 1.15 | 0.67 | 0.68 | 1.5 | 0.62 | 0.76 | 0.76 | 0.52 | 0.49 | 0.69 | 0.54 | 0.5 | 0.59 | S | 0.65 | 0.71 | 0.56 | 0.47 | 0.59 | 0.42 | 0.45 | 0.62 | 1.50 | 0.64 |
| 17:00 | 0.77 | 0.74 | 0.55 | 0.45 | 0.47 | 0.54 | 0.52 | 0.56 | 0.47 | 1.17 | 0.66 | 0.71 | 1.43 | 0.7 | 0.7 | 0.69 | 0.46 | 0.52 | 0.73 | 0.54 | 0.5 | S | 0.67 | 0.56 | 0.73 | 0.56 | 0.5 | 0.52 | 0.5 | 0.74 | 0.64 | 1.43 | 0.64 |
| 17:30 | 0.71 | 0.75 | 0.53 | 0.49 | 0.55 | 0.61 | 0.52 | 0.69 | 0.48 | 1.12 | 0.69 | 0.76 | 1.41 | 0.61 | 0.76 | 0.67 | 0.52 | 0.5 | 0.7 | 0.53 | 0.6 | S | 0.64 | 0.55 | 0.64 | 0.52 | 0.39 | 0.52 | 0.61 | 0.52 | 0.6 | 1.41 | 0.64 |
| 18:00 | 0.75 | 0.68 | 0.51 | 0.47 | 0.53 | 0.48 | 0.59 | 0.7 | 0.4 | 1.16 | 0.63 | 0.73 | 1.55 | 0.63 | 0.74 | 0.64 | 0.54 | 0.53 | 0.71 | 0.49 | S | 0.72 | 0.55 | 0.62 | 0.58 | 0.53 | 0.53 | 0.55 | 0.5 | 0.63 | 0.83 | 1.55 | 0.65 |
| 18:30 | 0.69 | 0.72 | 0.51 | 0.53 | 0.5 | 0.56 | 0.58 | 0.55 | 0.46 | 1.17 | 0.7 | 0.71 | 1.58 | 0.64 | 0.82 | 0.66 | 0.54 | 0.45 | 0.73 | 0.63 | S | 0.6 | 0.62 | 0.54 | 0.61 | 0.57 | 0.49 | 0.5 | 0.51 | 0.58 | 0.6 | 1.58 | 0.65 |
| 19:00 | 0.68 | 0.75 | 0.52 | 0.5 | 0.57 | 0.58 | 0.54 | 0.58 | 0.41 | 1.19 | 0.65 | 0.74 | 1.55 | 0.61 | 0.74 | 0.59 | 0.48 | 0.59 | 0.72 | S | 0.61 | 0.65 | 0.59 | 0.61 | 0.6 | 0.55 | 0.49 | 0.46 | 0.47 | 0.66 | 0.61 | 1.55 | 0.64 |
| 19:30 | 0.78 | 0.77 | 0.55 | 0.52 | 0.55 | 0.72 | 0.56 | 0.6 | 0.44 | 1.18 | 0.68 | 0.79 | 1.56 | 0.69 | 0.69 | 0.61 | 0.52 | 0.53 | 0.7 | S | 0.59 | 0.57 | 0.57 | 0.58 | 0.56 | 0.49 | 0.51 | 0.49 | 0.55 | 0.81 | 0.62 | 1.56 | 0.66 |
| 20:00 | 0.79 | 0.87 | 0.54 | 0.59 | 0.59 | 0.6 | 0.61 | 0.67 | 0.42 | 1.19 | 0.63 | 0.74 | 1.45 | 0.63 | 0.68 | 0.65 | 0.65 | 0.54 | S | 0.66 | 0.54 | 0.6 | 0.55 | 0.6 | 0.59 | 0.52 | 0.47 | 0.47 | 0.58 | 0.7 | 0.66 | 1.45 | 0.66 |
| 20:30 | 0.82 | 0.84 | 0.54 | 0.59 | 0.54 | 0.59 | 0.49 | 0.57 | 0.51 | 1.26 | 0.71 | 0.71 | 1.51 | 0.64 | 0.63 | 0.61 | 0.66 | 0.56 | S | 0.62 | 0.59 | 0.66 | 0.46 | 0.69 | 0.58 | 0.49 | 0.49 | 0.52 | 0.58 | 0.71 | 0.75 | 1.51 | 0.66 |
| 21:00 | 1.02 | 0.85 | 0.49 | 0.56 | 0.63 | 0.55 | 0.58 | 0.63 | 0.46 | 1.19 | 0.65 | 0.78 | 1.43 | 0.71 | 0.78 | 0.67 | 0.63 | S | 0.79 | 0.6 | 0.6 | 0.62 | 0.55 | 0.69 | 0.54 | 0.46 | 0.5 | 0.5 | 0.57 | 0.64 | 0.7 | 1.43 | 0.68 |
| 21:30 | 0.79 | 0.75 | 0.56 | 0.68 | 0.65 | 0.61 | 0.53 | 0.7 | 0.53 | 1.17 | 0.67 | 0.77 | 1.6 | 0.93 | 0.79 | 0.7 | 0.66 | S | 0.81 | 0.61 | 0.63 | 0.52 | 0.54 | 0.58 | 0.64 | 0.46 | 0.57 | 0.48 | 0.52 | 0.65 | 0.61 | 1.60 | 0.69 |
| 22:00 | 0.87 | 0.81 | 0.6 | 0.58 | 0.61 | 0.55 | 0.53 | 0.64 | 0.58 | K | 0.69 | 0.81 | 1.44 | 0.81 | 0.75 | 0.65 | S | 0.71 | 0.82 | 0.64 | 0.63 | 0.66 | 0.55 | 0.65 | 0.55 | 0.56 | 0.53 | 0.55 | 0.55 | 0.6 | 0.7 | 1.44 | 0.68 |
| 22:30 | 0.76 | 0.86 | 0.6 | 0.67 | 0.64 | 0.62 | 0.58 | 0.6 | 0.51 | K | 0.68 | 0.72 | 1.56 | 0.75 | 0.73 | 0.65 | S | 0.59 | 0.72 | 0.58 | 0.52 | 0.63 | 0.46 | 0.66 | 0.66 | 0.68 | 0.44 | 0.51 | 0.57 | 0.6 | 0.73 | 1.56 | 0.66 |
| 23:00 | 0.9 | 0.86 | 0.56 | 0.66 | 0.62 | 0.59 | 0.55 | 0.64 | 0.57 | 1.29 | 0.75 | 0.75 | 1.55 | 0.69 | 0.75 | S | 0.74 | 0.68 | 0.76 | 0.55 | 0.59 | 0.57 | 0.55 | 0.89 | 0.65 | 0.55 | 0.57 | 0.53 | 0.61 | 0.56 | 0.63 | 1.55 | 0.71 |
| 23:30 | 0.87 | 0.81 | 0.62 | 0.69 | 0.66 | 0.63 | 0.63 | 0.64 | 0.54 | 1.21 | 0.59 | 0.73 | 1.55 | 0.86 | 0.73 | S | 0.68 | 0.63 | 0.69 | 0.61 | 0.58 | 0.64 | 0.5 | 0.74 | 0.66 | 0.59 | 0.56 | 0.52 | 0.62 | 0.79 | 0.74 | 1.55 | 0.71 |
| Minimum | 0.68 | 0.68 | 0.49 | 0.43 | 0.47 | 0.48 | 0.49 | 0.48 | 0.40 | 0.52 | 0.55 | 0.68 | 0.69 | 0.61 | 0.61 | 0.59 | 0.46 | 0.37 | 0.54 | 0.46 | 0.50 | 0.45 | 0.46 | 0.48 | 0.54 | 0.46 | 0.39 | 0.46 | 0.42 | 0.45 | 0.55 | | |
| Maximum | 1.23 | 1.19 | 0.91 | 0.69 | 1.06 | 0.74 | 0.93 | 0.98 | 0.64 | 1.29 | 1.25 | 0.97 | 1.60 | 1.89 | 0.88 | 0.99 | 1.42 | 0.87 | 1.13 | 1.42 | 0.71 | 1.93 | 0.94 | 0.89 | 0.89 | 0.82 | 0.60 | 0.96 | 0.80 | 1.01 | 1.30 | | |
| Average | 0.84 | 0.84 | 0.66 | 0.57 | 0.61 | 0.61 | 0.64 | 0.65 | 0.52 | 0.81 | 0.66 | 0.78 | 1.13 | 1.21 | 0.74 | 0.71 | 0.75 | 0.58 | 0.72 | 0.69 | 0.61 | 0.72 | 0.61 | 0.64 | 0.69 | 0.59 | 0.51 | 0.57 | 0.54 | 0.65 | 0.72 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



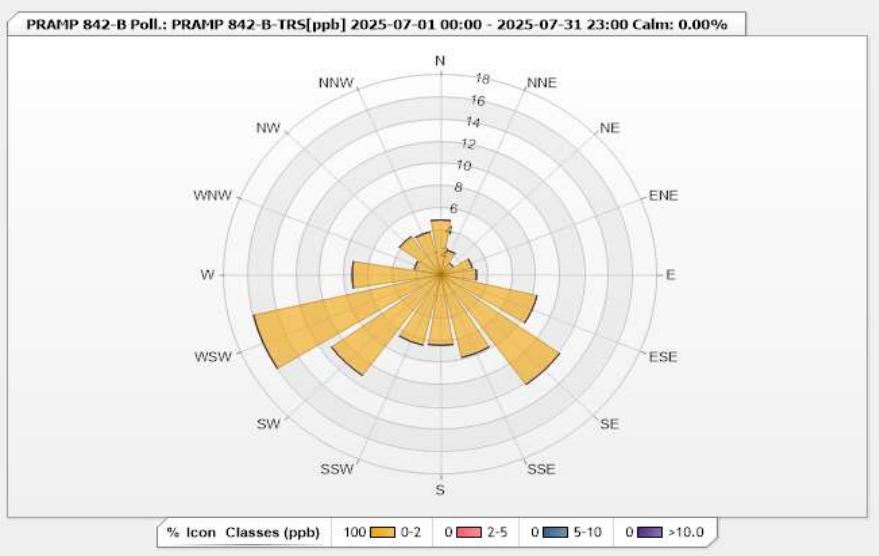



**Station: PRAMP 842-B Poll.: PRAMP 842-B-TRS[ppb]  Monthly: 07-2025**

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 | >10.0 | Total | Total |
|---|---|---|---|---|---|---|
| N | 4.95 | 0 | 0 | 0 | 4.95 | 0 |
| NNE | 2.26 | 0 | 0 | 0 | 2.26 | 0 |
| NE | 1.27 | 0 | 0 | 0 | 1.27 | 0 |
| ENE | 2.69 | 0 | 0 | 0 | 2.69 | 0 |
| E | 2.97 | 0 | 0 | 0 | 2.97 | 0 |
| ESE | 8.2 | 0 | 0 | 0 | 8.2 | 0 |
| SE | 12.16 | 0 | 0 | 0 | 12.16 | 0 |
| SSE | 7.64 | 0 | 0 | 0 | 7.64 | 0 |
| S | 6.36 | 0 | 0 | 0 | 6.36 | 0 |
| SSW | 6.51 | 0 | 0 | 0 | 6.51 | 0 |
| SW | 11.17 | 0 | 0 | 0 | 11.17 | 0 |
| WSW | 15.98 | 0 | 0 | 0 | 15.98 | 0 |
| W | 7.36 | 0 | 0 | 0 | 7.36 | 0 |
| WNW | 2.26 | 0 | 0 | 0 | 2.26 | 0 |
| NW | 4.24 | 0 | 0 | 0 | 4.24 | 0 |
| NNW | 3.96 | 0 | 0 | 0 | 3.96 | 0 |
| Summary | 100 | 0 | 0 | 0 | 100 | 0 |



## *Peace River Area Monitoring Program*

### *842-B Station - July 2025*

### Summary of Hourly Averages

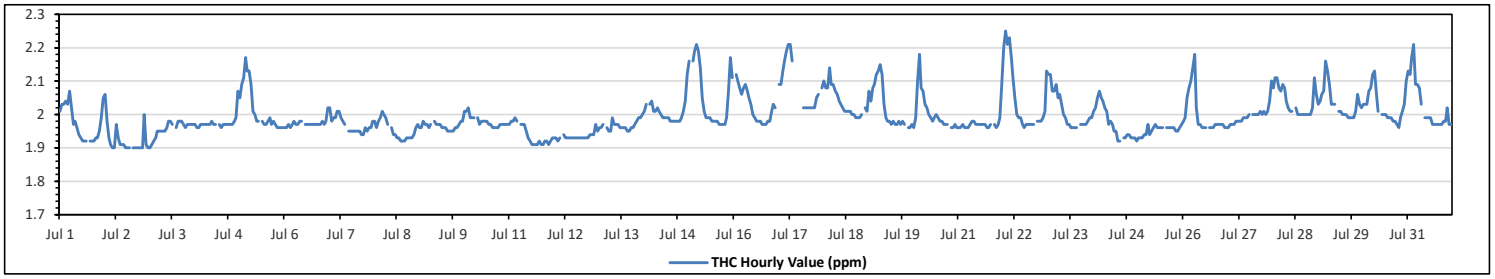
### TOTAL HYDROCARBONS (THC) in ppm

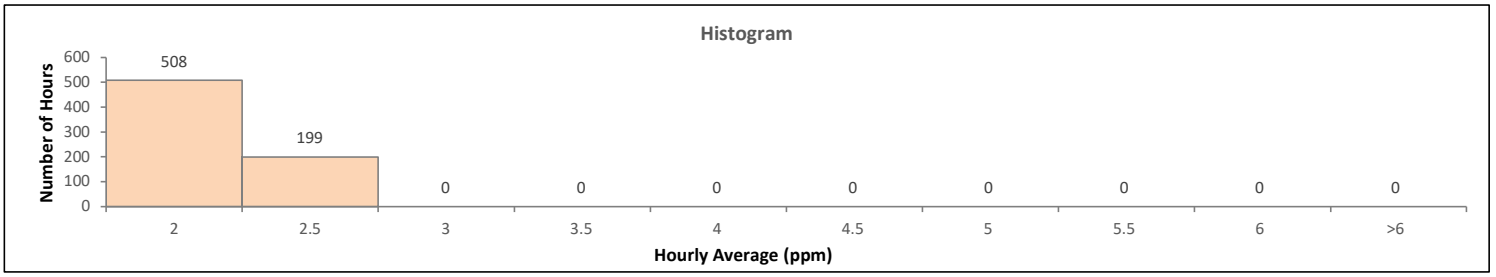
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.25 | ppm | on Jul 22 at hr 1 | Hours in Service: | 744 | |
| Maximum Daily Value: | 2.09 | ppm | on Jul 17 | Hours of Data: | 707 | |
| Minimum Hourly Value: | 1.90 | ppm | on Jul 2 at hr 4 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 1.92 | ppm | on Jul 2 | Hours of Calibration: | 37 | |
| Monthly Average: | 1.99 | 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 | | | |
| Jul 1 | 2.01 | 2.03 | 2.03 | 2.04 | 2.03 | 2.07 | 2.02 | 1.97 | 1.98 | 1.96 | 1.94 | 1.93 | 1.92 | 1.92 | 1.92 | S | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.95 | 1.99 | 2.05 | 1.92 | 2.07 | 1.97 |
| Jul 2 | 2.06 | 1.98 | 1.93 | 1.91 | 1.90 | 1.90 | 1.97 | 1.93 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | S | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 2.00 | 1.91 | 1.90 | 1.90 | 2.06 | 1.92 |
| Jul 3 | 1.90 | 1.91 | 1.92 | 1.93 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.98 | 1.98 | 1.97 | S | 1.96 | 1.98 | 1.98 | 1.98 | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.90 | 1.98 | 1.96 |
| Jul 4 | 1.97 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | S | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | 2.07 | 1.96 | 2.07 | 1.97 |
| Jul 5 | 2.05 | 2.09 | 2.11 | 2.17 | 2.13 | 2.13 | 2.09 | 2.01 | 2.00 | 1.98 | 1.98 | S | 1.98 | 1.97 | 1.97 | 1.98 | 1.99 | 1.97 | 1.98 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.17 | 2.02 |
| Jul 6 | 1.96 | 1.96 | 1.97 | 1.96 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.98 | S | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.97 | 1.98 | 2.02 | 1.96 | 2.02 | 1.97 |
| Jul 7 | 2.02 | 1.98 | 1.99 | 1.99 | 2.01 | 2.01 | 1.99 | 1.98 | 1.97 | S | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.96 | 1.95 | 1.96 | 1.96 | 1.98 | 1.94 | 2.02 | 1.97 |
| Jul 8 | 1.98 | 1.96 | 1.98 | 1.99 | 2.01 | 2.00 | 1.99 | 1.97 | S | 1.96 | 1.94 | 1.94 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.96 | 1.97 | 1.92 | 2.01 | 1.95 |
| Jul 9 | 1.96 | 1.96 | 1.98 | 1.97 | 1.97 | 1.96 | 1.97 | S | 1.98 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.95 | 1.98 | 1.96 |
| Jul 10 | 2.01 | 2.01 | 2.02 | 1.99 | 1.99 | 1.99 | S | 1.99 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 2.02 | 1.98 |
| Jul 11 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | S | 1.97 | 1.97 | 1.97 | 1.95 | 1.93 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 | 1.92 | 1.91 | 1.91 | 1.92 | 1.92 | 1.91 | 1.92 | 1.93 | 1.91 | 1.99 | 1.94 |
| Jul 12 | 1.93 | 1.93 | 1.92 | 1.93 | S | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.97 | 1.95 | 1.92 | 1.97 | 1.93 |
| Jul 13 | 1.96 | 1.96 | 1.97 | S | 1.96 | 1.95 | 1.95 | 1.99 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.96 | 1.97 | 1.98 | 1.99 | 1.99 | 2.00 | 1.95 | 2.00 | 1.97 |
| Jul 14 | 2.01 | 2.03 | S | 2.03 | 2.04 | 2.01 | 2.01 | 2.02 | 2.01 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.04 | 2.12 | 1.98 | 2.12 | 2.01 |
| Jul 15 | 2.16 | S | 2.16 | 2.19 | 2.21 | 2.19 | 2.14 | 2.05 | 2.01 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.99 | 2.07 | 2.17 | 2.11 | 1.97 | 2.21 | 2.05 |
| Jul 16 | S | 2.12 | 2.10 | 2.08 | 2.06 | 2.08 | 2.09 | 2.07 | 2.05 | 2.03 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 2.01 | 2.03 | 2.02 | S | 1.97 | 2.12 | 2.02 |
| Jul 17 | 2.09 | 2.09 | 2.13 | 2.16 | 2.19 | 2.21 | 2.21 | 2.16 | C | C | C | C | C | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.05 | 2.06 | S | 2.08 | 2.02 | 2.21 | **2.09** |
| Jul 18 | 2.10 | 2.08 | 2.08 | 2.14 | 2.09 | 2.09 | 2.07 | 2.06 | 2.04 | 2.03 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | S | 2.02 | 2.01 | 1.99 | 2.14 | 2.04 |
| Jul 19 | 2.07 | 2.04 | 2.08 | 2.09 | 2.12 | 2.13 | 2.15 | 2.12 | 2.03 | 1.99 | 1.98 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.98 | 1.97 | S | 1.96 | 1.96 | 1.97 | 1.96 | 2.15 | 2.02 |
| Jul 20 | 1.96 | 1.99 | 2.10 | 2.18 | 2.08 | 2.07 | 2.03 | 2.02 | 2.00 | 1.99 | 1.98 | 1.99 | 2.00 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | S | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 2.18 | 2.00 |
| Jul 21 | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.97 | S | 1.97 | 1.96 | 1.97 | 1.99 | 2.09 | 1.96 | 2.09 | 1.97 |
| Jul 22 | 2.20 | **2.25** | 2.21 | 2.23 | 2.17 | 2.11 | 2.05 | 2.00 | 1.99 | 1.99 | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.13 | 1.96 | **2.25** | 2.05 |
| Jul 23 | 2.12 | 2.12 | 2.07 | 2.07 | 2.09 | 2.05 | 2.06 | 2.03 | 2.00 | 1.99 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | 1.99 | 1.96 | 2.12 | 2.01 |
| Jul 24 | 2.01 | 2.02 | 2.05 | 2.07 | 2.05 | 2.04 | 2.02 | 2.01 | 1.97 | 1.98 | 1.97 | 1.95 | 1.95 | 1.92 | 1.92 | S | 1.93 | 1.93 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 2.07 | 1.97 |
| Jul 25 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.97 | 1.94 | 1.95 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.97 | 1.93 | 1.97 | 1.95 |
| Jul 26 | 1.98 | 1.99 | 2.05 | 2.08 | 2.10 | 2.14 | 2.18 | 2.02 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | S | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 2.18 | 2.00 |
| Jul 27 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.00 | 2.01 | 2.00 | 2.01 | 2.04 | 2.10 | 1.96 | 2.10 | 2.00 |
| Jul 28 | 2.08 | 2.11 | 2.11 | 2.08 | 2.07 | 2.09 | 2.08 | 2.04 | 2.02 | 2.01 | 2.01 | S | 2.02 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.02 | 2.11 | 2.06 | 2.00 | 2.11 | 2.04 |
| Jul 29 | 2.03 | 2.04 | 2.06 | 2.07 | 2.16 | 2.13 | 2.09 | 2.03 | 2.03 | 2.03 | S | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 2.01 | 2.06 | 2.03 | 2.02 | 1.99 | 2.16 | 2.03 |
| Jul 30 | 2.03 | 2.03 | 2.03 | 2.07 | 2.08 | 2.12 | 2.13 | 2.06 | 2.01 | S | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.98 | 1.97 | 1.96 | 1.99 | 2.01 | 2.03 | 2.10 | 1.96 | 2.13 | 2.02 |
| Jul 31 | 2.13 | 2.12 | 2.17 | 2.21 | 2.09 | 2.09 | 2.08 | 2.03 | S | 1.99 | 1.99 | 1.99 | 1.99 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 2.02 | 1.97 | 1.97 | 1.97 | 2.21 | 2.03 |
| Diurnal Maximum | 2.20 | 2.25 | 2.21 | 2.23 | 2.21 | 2.21 | 2.21 | 2.16 | 2.05 | 2.03 | 2.02 | 2.01 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.05 | 2.07 | 2.17 | 2.13 | | | |
| Diurnal Average | 2.02 | 2.02 | 2.03 | 2.05 | 2.05 | 2.04 | 2.04 | 2.01 | 1.99 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.98 | 1.99 | 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.



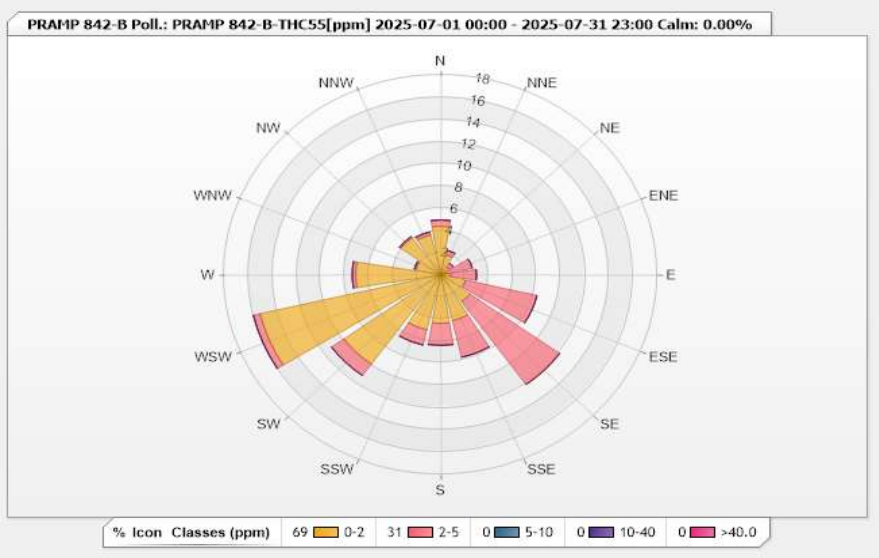



**Station: PRAMP 842-B Poll.: PRAMP 842-B-THC55[ppm] Monthly: 07-2025**

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 | 4.38 | 0.57 | 0 | 0 | 0 | 4.95 |
| NNE | 1.84 | 0.42 | 0 | 0 | 0 | 2.26 |
| NE | 0.85 | 0.42 | 0 | 0 | 0 | 1.27 |
| ENE | 0.42 | 2.26 | 0 | 0 | 0 | 2.68 |
| E | 0.85 | 2.12 | 0 | 0 | 0 | 2.97 |
| ESE | 2.12 | 6.08 | 0 | 0 | 0 | 8.2 |
| SE | 2.97 | 9.19 | 0 | 0 | 0 | 12.16 |
| SSE | 4.24 | 3.39 | 0 | 0 | 0 | 7.63 |
| S | 4.38 | 1.98 | 0 | 0 | 0 | 6.36 |
| SSW | 5.09 | 1.41 | 0 | 0 | 0 | 6.5 |
| SW | 9.9 | 1.27 | 0 | 0 | 0 | 11.17 |
| WSW | 15.42 | 0.57 | 0 | 0 | 0 | 15.99 |
| W | 7.07 | 0.28 | 0 | 0 | 0 | 7.35 |
| WNW | 2.12 | 0.14 | 0 | 0 | 0 | 2.26 |
| NW | 4.1 | 0.14 | 0 | 0 | 0 | 4.24 |
| NNW | 3.68 | 0.28 | 0 | 0 | 0 | 3.96 |
| Summary | 69.43 | 30.52 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***842-B Station - July 2025***

**Summary of Hourly Averages**

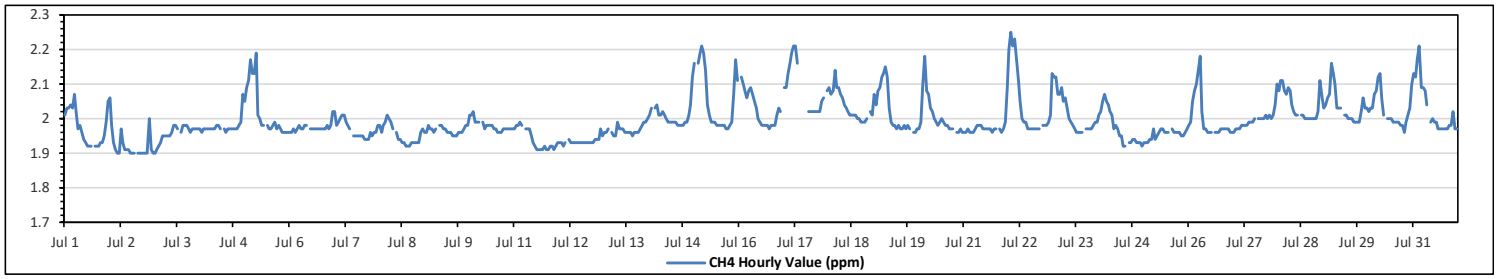
**METHANE (CH4) in ppm**

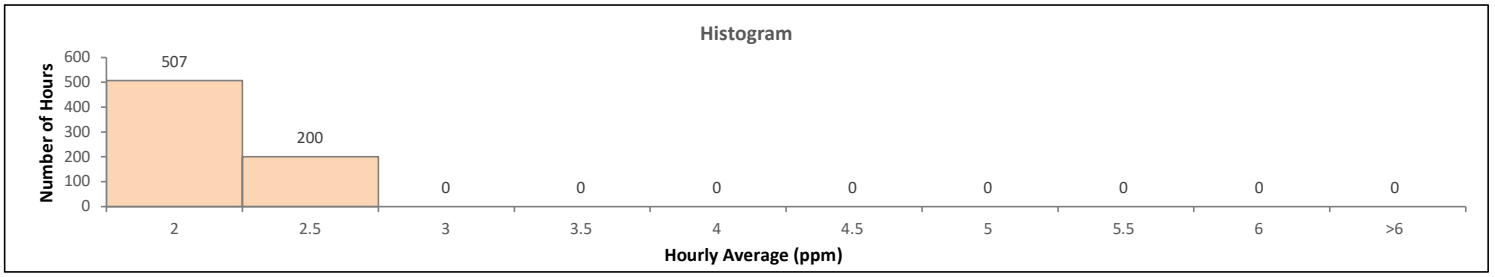
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.25 | ppm | on Jul 22 at hr 1 | Hours in Service: | 744 | |
| Maximum Daily Value: | 2.09 | ppm | on Jul 17 | Hours of Data: | 707 | |
| Minimum Hourly Value: | 1.90 | ppm | on Jul 2 at hr 4 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 1.92 | ppm | on Jul 2 | Hours of Calibration: | 37 | |
| Monthly Average: | 1.99 | 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 | | | |
| Jul 1 | 2.01 | 2.03 | 2.03 | 2.04 | 2.03 | 2.07 | 2.02 | 1.97 | 1.98 | 1.96 | 1.94 | 1.93 | 1.92 | 1.92 | 1.92 | S | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.95 | 1.99 | 2.05 | 1.92 | 2.07 | 1.97 |
| Jul 2 | 2.06 | 1.98 | 1.93 | 1.91 | 1.90 | 1.90 | 1.97 | 1.93 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | S | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 2.00 | 1.91 | 1.90 | 1.90 | 2.06 | 1.92 |
| Jul 3 | 1.90 | 1.91 | 1.92 | 1.93 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.98 | 1.98 | 1.97 | S | 1.96 | 1.98 | 1.98 | 1.98 | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.90 | 1.98 | 1.96 |
| Jul 4 | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.97 | S | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | 2.07 | 1.96 | 2.07 | 1.98 |
| Jul 5 | 2.05 | 2.09 | 2.11 | 2.17 | 2.13 | 2.13 | 2.19 | 2.01 | 2.00 | 1.98 | 1.98 | S | 1.98 | 1.97 | 1.97 | 1.98 | 1.99 | 1.97 | 1.98 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.19 | 2.02 |
| Jul 6 | 1.96 | 1.96 | 1.97 | 1.96 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.98 | S | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.97 | 1.98 | 2.02 | 1.96 | 2.02 | 1.97 |
| Jul 7 | 2.02 | 1.98 | 1.99 | 2.00 | 2.01 | 2.01 | 1.99 | 1.98 | 1.97 | S | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.94 | 1.96 | 1.95 | 1.96 | 1.96 | 1.98 | 1.94 | 2.02 | 1.97 |
| Jul 8 | 1.98 | 1.96 | 1.98 | 1.99 | 2.01 | 2.00 | 1.99 | 1.97 | S | 1.96 | 1.94 | 1.94 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.96 | 1.97 | 1.92 | 2.01 | 1.95 |
| Jul 9 | 1.96 | 1.96 | 1.98 | 1.97 | 1.97 | 1.96 | 1.97 | S | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.95 | 1.98 | 1.97 |
| Jul 10 | 2.01 | 2.01 | 2.02 | 1.99 | 1.99 | 1.99 | S | 1.99 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 2.02 | 1.98 |
| Jul 11 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | S | 1.97 | 1.97 | 1.97 | 1.95 | 1.93 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 | 1.92 | 1.91 | 1.91 | 1.92 | 1.92 | 1.91 | 1.92 | 1.93 | 1.91 | 1.99 | 1.94 |
| Jul 12 | 1.93 | 1.93 | 1.92 | 1.93 | S | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.97 | 1.95 | 1.92 | 1.97 | 1.93 |
| Jul 13 | 1.96 | 1.96 | 1.97 | S | 1.96 | 1.95 | 1.95 | 1.99 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.96 | 1.96 | 1.96 | 1.97 | 1.98 | 1.99 | 1.99 | 2.00 | 1.95 | 2.00 | 1.97 |
| Jul 14 | 2.01 | 2.03 | S | 2.03 | 2.04 | 2.01 | 2.01 | 2.02 | 2.01 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 2.01 | 2.04 | 2.12 | 1.98 | 2.12 | 2.01 |
| Jul 15 | 2.16 | S | 2.16 | 2.19 | 2.21 | 2.19 | 2.14 | 2.04 | 2.01 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.98 | 1.99 | 2.07 | 2.17 | 2.11 | 1.97 | 2.21 | 2.05 |
| Jul 16 | S | 2.12 | 2.10 | 2.08 | 2.06 | 2.08 | 2.09 | 2.07 | 2.05 | 2.03 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 2.01 | 2.03 | 2.02 | S | 1.97 | 2.12 | 2.03 |
| Jul 17 | 2.09 | 2.09 | 2.13 | 2.16 | 2.19 | 2.21 | 2.21 | 2.16 | C | C | C | C | C | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.05 | 2.06 | S | 2.08 | 2.02 | 2.21 | 2.09 |
| Jul 18 | 2.09 | 2.07 | 2.08 | 2.14 | 2.09 | 2.09 | 2.07 | 2.06 | 2.04 | 2.03 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | S | 2.02 | 2.01 | 1.99 | 2.14 | 2.04 |
| Jul 19 | 2.07 | 2.04 | 2.08 | 2.09 | 2.12 | 2.13 | 2.15 | 2.12 | 2.03 | 1.99 | 1.98 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.98 | 1.97 | S | 1.96 | 1.96 | 1.97 | 1.96 | 2.15 | 2.02 |
| Jul 20 | 1.97 | 1.99 | 2.10 | 2.18 | 2.08 | 2.07 | 2.03 | 2.02 | 2.00 | 1.99 | 1.98 | 1.99 | 2.00 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | S | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 2.18 | 2.00 |
| Jul 21 | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.97 | 1.97 | S | 1.97 | 1.96 | 1.97 | 1.99 | 2.09 | 1.96 | 2.09 | 1.97 |
| Jul 22 | 2.20 | 2.25 | 2.21 | 2.23 | 2.17 | 2.11 | 2.05 | 2.00 | 1.99 | 1.99 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | 2.13 | 1.97 | 2.25 | 2.05 |
| Jul 23 | 2.12 | 2.12 | 2.07 | 2.07 | 2.09 | 2.05 | 2.06 | 2.03 | 2.00 | 1.99 | 1.98 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | 1.99 | 1.96 | 2.12 | 2.01 |
| Jul 24 | 2.01 | 2.02 | 2.05 | 2.07 | 2.05 | 2.04 | 2.02 | 2.01 | 1.97 | 1.98 | 1.97 | 1.95 | 1.95 | 1.92 | 1.92 | S | 1.93 | 1.93 | 1.94 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 2.07 | 1.97 |
| Jul 25 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.97 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | S | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.97 | 1.93 | 1.97 | 1.95 |
| Jul 26 | 1.98 | 1.99 | 2.05 | 2.08 | 2.10 | 2.14 | 2.18 | 2.02 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | S | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 2.18 | 2.00 |
| Jul 27 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 2.00 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.00 | 2.01 | 2.00 | 2.01 | 2.04 | 2.10 | 1.96 | 2.10 | 2.00 |
| Jul 28 | 2.08 | 2.11 | 2.11 | 2.08 | 2.07 | 2.09 | 2.08 | 2.04 | 2.02 | 2.01 | 2.01 | S | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.02 | 2.11 | 2.06 | 2.00 | 2.11 | 2.04 |
| Jul 29 | 2.03 | 2.04 | 2.06 | 2.07 | 2.16 | 2.13 | 2.10 | 2.03 | 2.03 | 2.03 | S | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 2.02 | 2.06 | 2.03 | 2.03 | 1.99 | 2.16 | 2.03 |
| Jul 30 | 2.02 | 2.03 | 2.03 | 2.07 | 2.08 | 2.12 | 2.13 | 2.06 | 2.01 | S | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.96 | 1.99 | 2.01 | 2.03 | 2.10 | 1.96 | 2.13 | 2.02 |
| Jul 31 | 2.13 | 2.12 | 2.17 | 2.21 | 2.09 | 2.09 | 2.08 | 2.04 | S | 1.99 | 2.00 | 1.99 | 1.99 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 2.02 | 1.97 | 1.97 | 2.21 | 2.03 |
| Diurnal Maximum | 2.20 | 2.25 | 2.21 | 2.23 | 2.21 | 2.21 | 2.21 | 2.16 | 2.05 | 2.03 | 2.02 | 2.01 | 2.01 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.05 | 2.07 | 2.17 | 2.13 | | | |
| Diurnal Average | 2.02 | 2.02 | 2.03 | 2.05 | 2.05 | 2.04 | 2.04 | 2.01 | 1.99 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | 1.99 | 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.



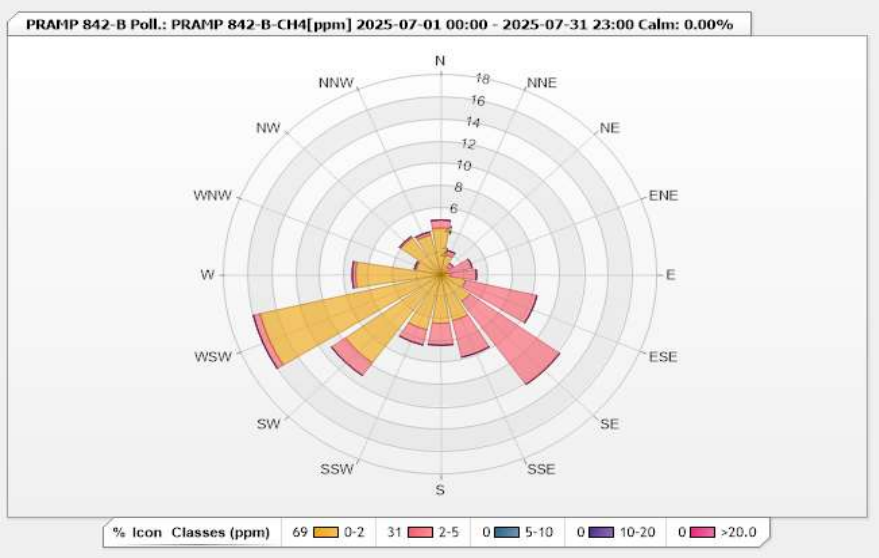



**Station: PRAMP 842-B Poll.: PRAMP 842-B-CH4[ppm]  Monthly: 07-2025**

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 | 4.24 | 0.71 | 0 | 0 | 0 | 4.95 |
| NNE | 1.84 | 0.42 | 0 | 0 | 0 | 2.26 |
| NE | 0.85 | 0.42 | 0 | 0 | 0 | 1.27 |
| ENE | 0.42 | 2.26 | 0 | 0 | 0 | 2.68 |
| E | 0.85 | 2.12 | 0 | 0 | 0 | 2.97 |
| ESE | 2.12 | 6.08 | 0 | 0 | 0 | 8.2 |
| SE | 2.97 | 9.19 | 0 | 0 | 0 | 12.16 |
| SSE | 4.24 | 3.39 | 0 | 0 | 0 | 7.63 |
| S | 4.38 | 1.98 | 0 | 0 | 0 | 6.36 |
| SSW | 5.09 | 1.41 | 0 | 0 | 0 | 6.5 |
| SW | 9.76 | 1.41 | 0 | 0 | 0 | 11.17 |
| WSW | 15.42 | 0.57 | 0 | 0 | 0 | 15.99 |
| W | 7.07 | 0.28 | 0 | 0 | 0 | 7.35 |
| WNW | 2.12 | 0.14 | 0 | 0 | 0 | 2.26 |
| NW | 4.1 | 0.14 | 0 | 0 | 0 | 4.24 |
| NNW | 3.68 | 0.28 | 0 | 0 | 0 | 3.96 |
| Summary | 69.15 | 30.8 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***842-B Station - July 2025***

**Summary of Hourly Averages**

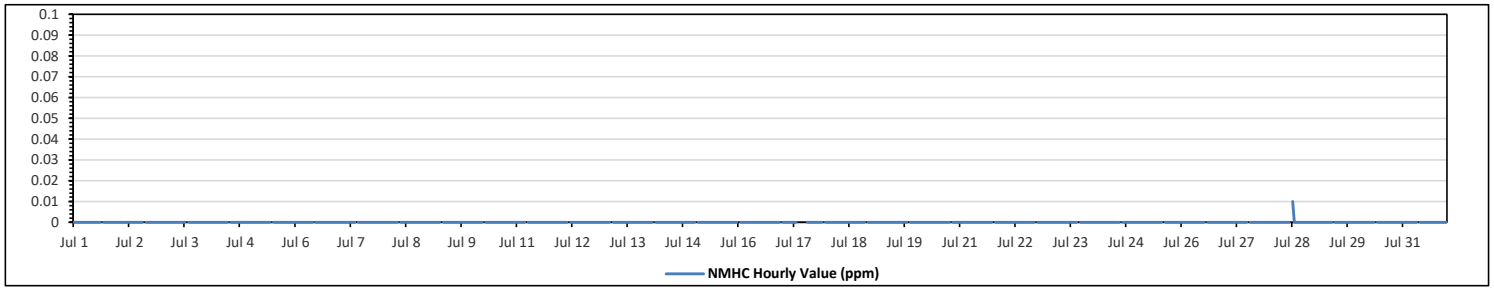
**NON-METHANE HYDROCARBONS (NMHC) in ppm**

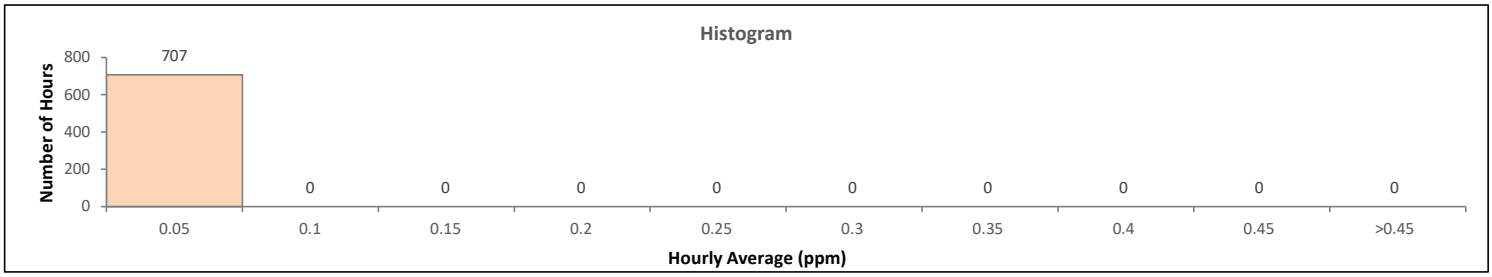
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 0.01 | ppm | on Jul 28 at hr 12 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.00 | ppm | on Jul 28 | Hours of Data: | 707 |
| Minimum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 0.00 | ppm | on Jul 1 | Hours of Calibration: | 37 |
| Monthly Average: | 0.00 | ppm | | 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 11 | 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 17 | 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 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | S | **0.01** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | **0.01** | **0.00** |
| Jul 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 |
| Jul 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 |
| Jul 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 | 0.01 | 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.



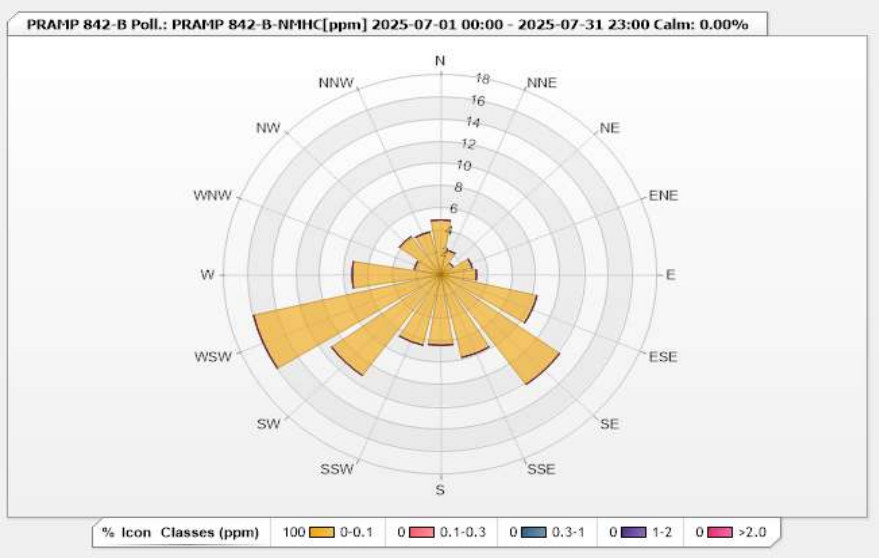



**Station: PRAMP 842-B Poll.: PRAMP 842-B-NMHC[ppm]  Monthly: 07-2025**

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 | 4.95 | 0 | 0 | 0 | 0 | 4.95 |
| NNE | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NE | 1.27 | 0 | 0 | 0 | 0 | 1.27 |
| ENE | 2.69 | 0 | 0 | 0 | 0 | 2.69 |
| E | 2.97 | 0 | 0 | 0 | 0 | 2.97 |
| ESE | 8.2 | 0 | 0 | 0 | 0 | 8.2 |
| SE | 12.16 | 0 | 0 | 0 | 0 | 12.16 |
| SSE | 7.64 | 0 | 0 | 0 | 0 | 7.64 |
| S | 6.36 | 0 | 0 | 0 | 0 | 6.36 |
| SSW | 6.51 | 0 | 0 | 0 | 0 | 6.51 |
| SW | 11.17 | 0 | 0 | 0 | 0 | 11.17 |
| WSW | 15.98 | 0 | 0 | 0 | 0 | 15.98 |
| W | 7.36 | 0 | 0 | 0 | 0 | 7.36 |
| WNW | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NW | 4.24 | 0 | 0 | 0 | 0 | 4.24 |
| NNW | 3.96 | 0 | 0 | 0 | 0 | 3.96 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***842-B Station - July 2025***

**Summary of Hourly Averages**

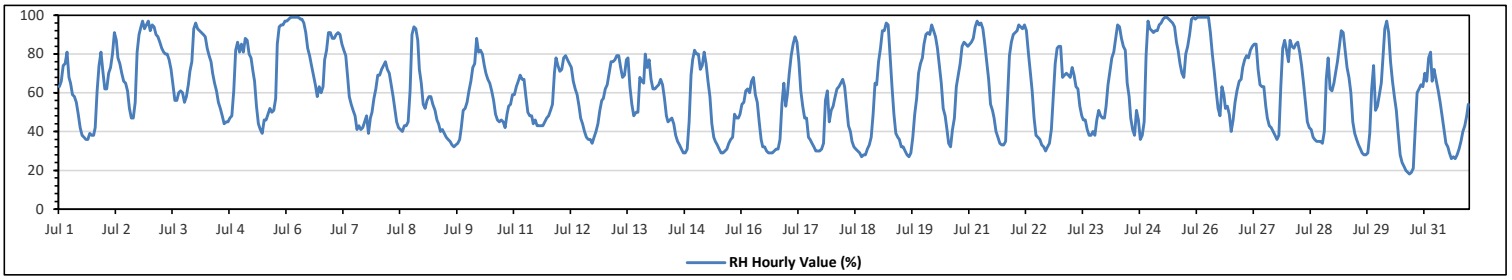
**RELATIVE HUMIDITY (RH) in %**

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 99 | % | on Jul 6 at hr 2 | Hours in Service: | 744 | |
| Maximum Daily Value: | 90.4 | % | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 18 | % | on Jul 30 at hr 16 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 44.5 | % | on Jul 9 | Hours of Calibration: | 0 | |
| Monthly Average: | 61.5 | % | | 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 | | | |
| Jul 1 | 63 | 66 | 74 | 75 | 81 | 68 | 65 | 59 | 58 | 55 | 49 | 42 | 38 | 37 | 36 | 36 | 39 | 38 | 38 | 42 | 61 | 74 | 81 | 71 | 36 | 81 | 56.1 |
| Jul 2 | 62 | 62 | 70 | 73 | 80 | 91 | 87 | 78 | 75 | 70 | 66 | 65 | 61 | 52 | 47 | 47 | 55 | 81 | 90 | 94 | 97 | 93 | 95 | 97 | 47 | 97 | 74.5 |
| Jul 3 | 92 | 95 | 94 | 90 | 89 | 86 | 83 | 81 | 80 | 80 | 77 | 72 | 64 | 56 | 56 | 60 | 61 | 60 | 55 | 58 | 64 | 71 | 76 | 93 | 55 | 95 | 74.7 |
| Jul 4 | 96 | 93 | 92 | 91 | 90 | 89 | 83 | 79 | 76 | 70 | 65 | 61 | 55 | 52 | 48 | 44 | 45 | 45 | 47 | 48 | 61 | 82 | 86 | 81 | 44 | 96 | 70.0 |
| Jul 5 | 85 | 81 | 88 | 87 | 80 | 78 | 71 | 66 | 53 | 44 | 41 | 39 | 46 | 46 | 49 | 52 | 50 | 51 | 57 | 85 | 94 | 95 | 95 | 97 | 39 | 97 | 67.9 |
| Jul 6 | 97 | 98 | **99** | **99** | **99** | **99** | **99** | 98 | 98 | 96 | 91 | 83 | 79 | 74 | 69 | 64 | 58 | 63 | 60 | 63 | 77 | 82 | 91 | 91 | 58 | **99** | 84.5 |
| Jul 7 | 88 | 88 | 90 | 91 | 90 | 85 | 82 | 79 | 68 | 58 | 54 | 51 | 48 | 41 | 43 | 41 | 42 | 45 | 48 | 39 | 47 | 50 | 57 | 62 | 39 | 91 | 62.0 |
| Jul 8 | 69 | 69 | 72 | 74 | 76 | 72 | 70 | 64 | 58 | 51 | 45 | 42 | 41 | 40 | 43 | 43 | 45 | 61 | 90 | 94 | 93 | 87 | 72 | 65 | 40 | 94 | 64.0 |
| Jul 9 | 54 | 52 | 56 | 58 | 58 | 54 | 51 | 46 | 44 | 40 | 41 | 39 | 37 | 36 | 35 | 33 | 32 | 33 | 34 | 36 | 42 | 51 | 52 | 55 | 32 | 58 | **44.5** |
| Jul 10 | 61 | 66 | 73 | 75 | 88 | 81 | 82 | 80 | 74 | 70 | 67 | 65 | 61 | 56 | 49 | 46 | 45 | 46 | 45 | 42 | 49 | 53 | 54 | 59 | 42 | 88 | 62.0 |
| Jul 11 | 59 | 63 | 66 | 69 | 67 | 67 | 58 | 50 | 48 | 48 | 44 | 46 | 43 | 43 | 43 | 43 | 45 | 47 | 48 | 51 | 54 | 70 | 78 | 74 | 43 | 78 | 55.2 |
| Jul 12 | 71 | 72 | 78 | 79 | 77 | 75 | 73 | 66 | 62 | 59 | 53 | 47 | 44 | 40 | 37 | 36 | 36 | 34 | 37 | 40 | 44 | 51 | 56 | 57 | 34 | 79 | 55.2 |
| Jul 13 | 62 | 64 | 70 | 76 | 76 | 77 | 79 | 79 | 73 | 68 | 69 | 77 | 78 | 63 | 54 | 48 | 50 | 50 | 68 | 66 | 65 | 80 | 73 | 77 | 48 | 80 | 68.4 |
| Jul 14 | 67 | 62 | 62 | 63 | 64 | 67 | 64 | 57 | 48 | 45 | 46 | 47 | 44 | 38 | 35 | 33 | 31 | 29 | 29 | 31 | 45 | 69 | 77 | 82 | 29 | 82 | 51.5 |
| Jul 15 | 80 | 80 | 72 | 74 | 81 | 75 | 66 | 58 | 44 | 37 | 35 | 33 | 31 | 29 | 29 | 30 | 31 | 34 | 36 | 37 | 49 | 47 | 47 | 49 | 29 | 81 | 49.3 |
| Jul 16 | 54 | 55 | 61 | 62 | 60 | 66 | 68 | 59 | 55 | 45 | 36 | 32 | 32 | 30 | 29 | 29 | 29 | 30 | 31 | 31 | 36 | 54 | 65 | 53 | 29 | 68 | 45.9 |
| Jul 17 | 59 | 70 | 79 | 85 | 89 | 86 | 76 | 61 | 53 | 47 | 47 | 37 | 36 | 34 | 32 | 30 | 30 | 30 | 30 | 31 | 34 | 56 | 61 | 45 | 30 | 89 | 52.5 |
| Jul 18 | 53 | 57 | 62 | 63 | 65 | 67 | 63 | 53 | 43 | 40 | 35 | 32 | 31 | 30 | 29 | 27 | 28 | 28 | 31 | 33 | 37 | 49 | 65 | 64 | 27 | 67 | 45.2 |
| Jul 19 | 76 | 83 | 92 | 92 | 96 | 95 | 79 | 63 | 49 | 39 | 37 | 36 | 32 | 32 | 30 | 28 | 27 | 29 | 37 | 49 | 57 | 70 | 75 | 78 | 27 | 96 | 57.5 |
| Jul 20 | 85 | 90 | 91 | 90 | 95 | 92 | 89 | 83 | 74 | 65 | 52 | 48 | 42 | 34 | 32 | 41 | 47 | 63 | 69 | 75 | 84 | 86 | 85 | 84 | 32 | 95 | 70.7 |
| Jul 21 | 85 | 86 | 88 | 94 | 97 | 95 | 96 | 93 | 85 | 76 | 67 | 54 | 51 | 47 | 40 | 37 | 34 | 33 | 33 | 35 | 57 | 79 | 86 | 90 | 33 | 97 | 68.3 |
| Jul 22 | 91 | 92 | 95 | 94 | 93 | 95 | 92 | 81 | 71 | 61 | 47 | 38 | 37 | 36 | 33 | 32 | 30 | 32 | 34 | 41 | 58 | 75 | 83 | 84 | 30 | 95 | 63.5 |
| Jul 23 | 84 | 68 | 69 | 70 | 69 | 68 | 73 | 69 | 63 | 62 | 53 | 48 | 46 | 46 | 41 | 38 | 38 | 40 | 38 | 46 | 51 | 48 | 47 | 47 | 38 | 84 | 55.1 |
| Jul 24 | 53 | 64 | 71 | 78 | 81 | 88 | 95 | 94 | 88 | 84 | 82 | 65 | 58 | 47 | 41 | 38 | 51 | 46 | 36 | 38 | 45 | 79 | 97 | 93 | 36 | 97 | 67.2 |
| Jul 25 | 92 | 91 | 92 | 92 | 95 | 96 | 98 | **99** | **99** | 98 | 97 | 96 | 94 | 86 | 82 | 75 | 70 | 68 | 80 | 84 | 90 | 98 | **99** | 98 | 68 | **99** | **90.4** |
| Jul 26 | **99** | **99** | **99** | **99** | **99** | **99** | **99** | 91 | 80 | 71 | 61 | 52 | 48 | 63 | 59 | 52 | 53 | 49 | 40 | 46 | 55 | 61 | 66 | 67 | 40 | **99** | 71.1 |
| Jul 27 | 73 | 77 | 79 | 78 | 82 | 84 | 85 | 85 | 72 | 64 | 63 | 63 | 53 | 47 | 43 | 42 | 40 | 38 | 36 | 38 | 63 | 83 | 87 | 82 | 36 | 87 | 64.9 |
| Jul 28 | 76 | 87 | 84 | 83 | 85 | 86 | 81 | 74 | 65 | 55 | 45 | 42 | 41 | 37 | 36 | 35 | 35 | 35 | 34 | 40 | 67 | 78 | 62 | 61 | 34 | 87 | 59.3 |
| Jul 29 | 65 | 71 | 76 | 84 | 92 | 91 | 82 | 73 | 68 | 60 | 45 | 39 | 36 | 33 | 31 | 29 | 28 | 28 | 29 | 39 | 62 | 74 | 51 | 53 | 28 | 92 | 55.8 |
| Jul 30 | 59 | 65 | 80 | 93 | 97 | 91 | 76 | 66 | 58 | 51 | 39 | 28 | 24 | 22 | 20 | 19 | **18** | 19 | 21 | 41 | 60 | 62 | 64 | 63 | **18** | 97 | 51.5 |
| Jul 31 | 70 | 66 | 78 | 81 | 66 | 72 | 67 | 61 | 55 | 48 | 41 | 34 | 32 | 29 | 26 | 27 | 26 | 28 | 31 | 35 | 40 | 43 | 48 | 54 | 26 | 81 | 48.3 |
| Diurnal Maximum | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 98 | 97 | 96 | 94 | 86 | 82 | 75 | 70 | 81 | 90 | 94 | 97 | 98 | 99 | 98 | | | |
| Diurnal Average | 73.5 | 75.2 | 79.1 | 81.0 | 82.5 | 81.8 | 78.5 | 72.4 | 65.7 | 59.9 | 54.5 | 50.1 | 47.2 | 43.7 | 41.2 | 39.8 | 40.3 | 42.4 | 44.9 | 49.4 | 60.0 | 69.5 | 71.5 | 72.0 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025*

**Summary of Hourly Averages**

**BAROMETRIC PRESSURE (BP) in millibar**

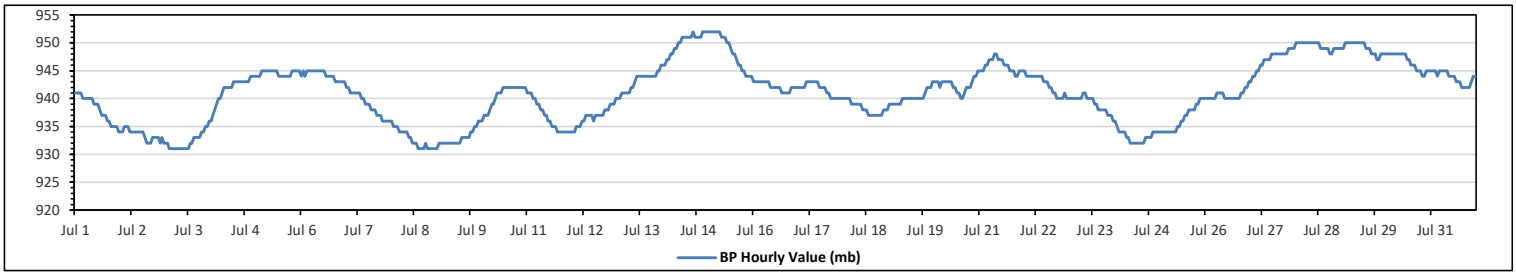
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 952 | mb | on Jul 14 at hr 16 | Hours in Service: | 744 | |
| Maximum Daily Value: | 950 | mb | on Jul 14 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 931 | mb | on Jul 3 at hr 2 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 932 | mb | on Jul 3 | Hours of Calibration: | 0 | |
| Monthly Average: | 941 | 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 |
| Jul 1 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 940 | 939 | 939 | 939 | 938 | 937 | 937 | 937 | 936 | 936 | 935 | 935 | 935 | 935 | 934 | 934 | 941 | 938 |
| Jul 2 | 934 | 934 | 935 | 935 | 935 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 933 | 932 | 932 | 932 | 933 | 933 | 933 | 933 | 932 | 933 | 932 | 932 | 935 | 933 |
| Jul 3 | 932 | 932 | **931** | **931** | **931** | **931** | **931** | **931** | **931** | **931** | **931** | **931** | **931** | 932 | 932 | 933 | 933 | 933 | 933 | 934 | 934 | 935 | 935 | 936 | **931** | 936 | **932** |
| Jul 4 | 936 | 937 | 938 | 939 | 940 | 940 | 941 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 944 | 944 | 944 | 936 | 944 | 942 |
| Jul 5 | 944 | 944 | 944 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 945 | 945 | 945 | 945 | 945 | 944 | 945 | 945 |
| Jul 6 | 944 | 945 | 944 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 945 | 944 |
| Jul 7 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 938 | 937 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 936 | 942 | 939 |
| Jul 8 | 936 | 935 | 935 | 935 | 934 | 934 | 934 | 934 | 934 | 933 | 933 | 932 | 932 | 932 | **931** | **931** | **931** | **931** | 932 | **931** | **931** | **931** | **931** | **931** | **931** | 936 | 933 |
| Jul 9 | **931** | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 933 | 933 | 933 | 933 | 933 | 934 | 934 | 935 | 935 | 936 | 936 | **931** | 936 | 933 |
| Jul 10 | 936 | 937 | 937 | 937 | 938 | 939 | 939 | 940 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 936 | 942 | 941 |
| Jul 11 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 936 | 935 | 935 | 935 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 941 | 937 |
| Jul 12 | 934 | 934 | 935 | 935 | 935 | 936 | 936 | 937 | 937 | 937 | 937 | 936 | 937 | 937 | 937 | 937 | 937 | 938 | 938 | 938 | 939 | 939 | 939 | 940 | 934 | 940 | 937 |
| Jul 13 | 940 | 940 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 943 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 945 | 945 | 946 | 940 | 946 | 943 |
| Jul 14 | 946 | 946 | 947 | 947 | 948 | 948 | 949 | 949 | 950 | 950 | 951 | 951 | 951 | 951 | 951 | 951 | **952** | 951 | 951 | 951 | 951 | **952** | **952** | **952** | 946 | **952** | **950** |
| Jul 15 | **952** | **952** | **952** | **952** | **952** | **952** | **952** | 951 | 951 | 951 | 950 | 950 | 949 | 948 | 948 | 947 | 946 | 946 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | **952** | 949 |
| Jul 16 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | 941 | 943 | 942 |
| Jul 17 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 943 | 942 |
| Jul 18 | 940 | 940 | 940 | 940 | 939 | 939 | 939 | 939 | 939 | 939 | 938 | 938 | 938 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 938 | 938 | 938 | 937 | 940 | 938 |
| Jul 19 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 941 | 942 | 942 | 942 | 943 | 939 | 943 | 940 |
| Jul 20 | 943 | 943 | 943 | 942 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 941 | 941 | 940 | 940 | 941 | 942 | 942 | 942 | 943 | 944 | 944 | 945 | 940 | 945 | 942 |
| Jul 21 | 945 | 945 | 945 | 946 | 946 | 947 | 947 | 947 | 948 | 948 | 947 | 947 | 947 | 946 | 946 | 946 | 945 | 945 | 945 | 944 | 944 | 945 | 945 | 945 | 944 | 948 | 946 |
| Jul 22 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 942 | 942 | 941 | 941 | 940 | 940 | 940 | 940 | 941 | 940 | 940 | 940 | 945 | 942 |
| Jul 23 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | 940 | 940 | 940 | 940 | 939 | 939 | 938 | 938 | 938 | 938 | 938 | 937 | 937 | 937 | 936 | 936 | 941 | 939 |
| Jul 24 | 936 | 935 | 934 | 934 | 934 | 934 | 933 | 933 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 933 | 933 | 933 | 933 | 934 | 934 | 934 | 934 | 932 | 936 | 933 |
| Jul 25 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 935 | 935 | 936 | 936 | 937 | 937 | 938 | 938 | 938 | 938 | 939 | 939 | 940 | 940 | 940 | 934 | 940 | 936 |
| Jul 26 | 940 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | 942 | 942 | 943 | 940 | 943 | 941 |
| Jul 27 | 943 | 944 | 944 | 945 | 945 | 946 | 946 | 947 | 947 | 947 | 947 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 949 | 949 | 949 | 949 | 943 | 949 | 947 |
| Jul 28 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 949 | 949 | 949 | 949 | 949 | 948 | 948 | 949 | 949 | 949 | 949 | 948 | 950 | 949 |
| Jul 29 | 949 | 949 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 949 | 949 | 949 | 948 | 948 | 948 | 947 | 947 | 948 | 948 | 948 | 947 | 950 | 949 |
| Jul 30 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 947 | 947 | 946 | 946 | 946 | 945 | 945 | 945 | 944 | 944 | 945 | 945 | 945 | 944 | 948 | 947 |
| Jul 31 | 945 | 945 | 945 | 944 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 943 | 944 | 944 | 942 | 945 | 944 |
| Diurnal Maximum | 952 | 952 | 952 | 952 | 952 | 952 | 952 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 952 | 951 | 951 | 951 | 951 | 952 | 952 | 952 | | | |
| Diurnal Average | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025*

### Summary of Hourly Averages

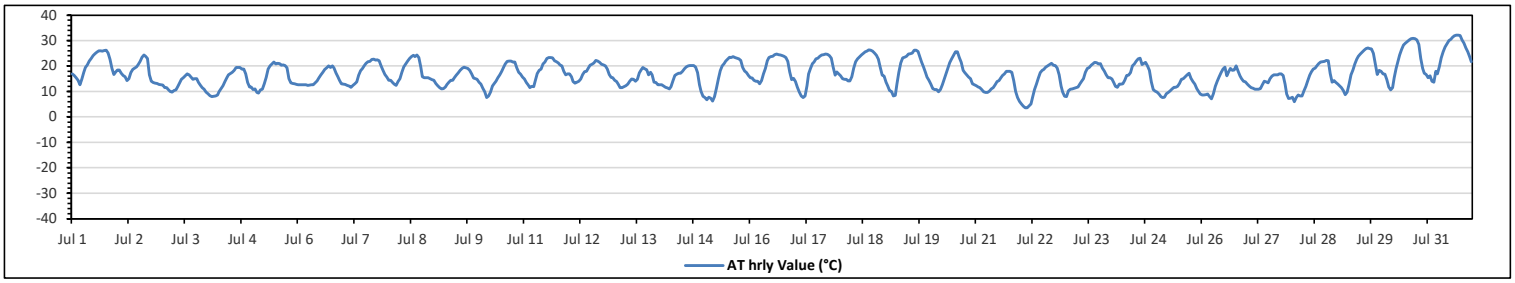
### AMBIENT TEMPERATURE (AT) in Degree Celsius

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 32.1 | °C | on Jul 31 at hr 15 | Hours in Service: | 744 | |
| Maximum Daily Value: | 24.9 | °C | on Jul 31 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 3.6 | °C | on Jul 22 at hr 2 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 11.8 | °C | on Jul 25 | Hours of Calibration: | 0 | |
| Monthly Average: | 16.8 | °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 |
| Jul 1 | 16.9 | 16.3 | 15.5 | 14.4 | 12.7 | 14.9 | 17.5 | 19.5 | 20.5 | 21.9 | 22.9 | 24 | 24.9 | 25.5 | 26 | 26 | 25.9 | 26.1 | 26.3 | 25.2 | 22.6 | 19.1 | 16.7 | 17.5 | 12.7 | 26.3 | 20.8 |
| Jul 2 | 18.5 | 18.5 | 17.2 | 16.3 | 15.8 | 14.3 | 15 | 17.4 | 18.7 | 19.2 | 19.8 | 20.6 | 21.8 | 23.5 | 24.3 | 23.9 | 22.9 | 16.6 | 14 | 13.5 | 13.3 | 13.2 | 12.8 | 12.6 | 12.6 | 24.3 | 17.7 |
| Jul 3 | 12.5 | 11.5 | 11.5 | 10.8 | 10 | 9.8 | 10.4 | 10.6 | 12 | 13.3 | 14.7 | 15.5 | 16.1 | 17 | 16.6 | 15.7 | 14.7 | 15.1 | 15 | 13.7 | 12.5 | 11.5 | 10.9 | 9.7 | 9.7 | 17.0 | 13.0 |
| Jul 4 | 9.2 | 8.4 | 8 | 8.1 | 8.3 | 8.6 | 10 | 11.2 | 12.2 | 13.9 | 15.4 | 16.5 | 17.1 | 17.5 | 18.3 | 19.5 | 19.4 | 19.5 | 18.8 | 18.8 | 16.9 | 13.5 | 11.8 | 11.8 | 8.0 | 19.5 | 13.9 |
| Jul 5 | 10.8 | 11 | 9.6 | 9.3 | 10.6 | 10.9 | 13.1 | 15.6 | 18.8 | 20 | 20.9 | 21.6 | 20.9 | 21.1 | 21 | 20.3 | 20.4 | 20.2 | 19.3 | 15 | 13.4 | 13.2 | 13.1 | 12.8 | 9.3 | 21.6 | 16.0 |
| Jul 6 | 12.7 | 12.6 | 12.6 | 12.6 | 12.6 | 12.4 | 12.5 | 12.7 | 12.7 | 13.4 | 14.2 | 15.5 | 16.5 | 17.5 | 18.7 | 19.3 | 20.1 | 19.5 | 20 | 19.2 | 17.3 | 15.8 | 14.4 | 13.1 | 12.4 | 20.1 | 15.3 |
| Jul 7 | 13 | 12.8 | 12.4 | 12.1 | 11.7 | 12.4 | 13.1 | 13.8 | 16.4 | 18.2 | 19.1 | 20.1 | 21.1 | 21.7 | 21.8 | 22.6 | 22.7 | 22.4 | 22.5 | 22.1 | 20.1 | 18.3 | 16.7 | 15.7 | 11.7 | 22.7 | 17.6 |
| Jul 8 | 14.5 | 14.4 | 13.5 | 12.9 | 12.4 | 13.9 | 15.1 | 17.5 | 19.7 | 20.9 | 21.9 | 23 | 23.7 | 24.2 | 23.8 | 24.3 | 23.4 | 19.7 | 15.8 | 15.4 | 15.5 | 15.4 | 15.1 | 14.6 | 12.4 | 24.3 | 17.9 |
| Jul 9 | 14.4 | 13.2 | 12.2 | 11.5 | 11 | 11.2 | 11.8 | 12.8 | 13.6 | 14.5 | 14.4 | 15.5 | 16.4 | 17.3 | 18.4 | 19.1 | 19.6 | 19.3 | 19 | 18.4 | 16.9 | 15.3 | 15.1 | 14.8 | 11.0 | 19.6 | 15.2 |
| Jul 10 | 13.7 | 12.9 | 11.3 | 9.9 | 7.6 | 8.3 | 9.7 | 12.1 | 13.1 | 14 | 15.5 | 16.5 | 18 | 19.6 | 20.8 | 21.8 | 22 | 21.9 | 21.5 | 21.5 | 19.3 | 17.6 | 16.8 | 15.7 | 7.6 | 22.0 | 15.9 |
| Jul 11 | 14.9 | 13.5 | 12.5 | 11.6 | 12 | 11.9 | 14.3 | 17.1 | 18.4 | 18.8 | 20.8 | 21.6 | 23 | 23.3 | 23.4 | 23.2 | 22.1 | 21.7 | 21.2 | 20.5 | 20 | 17.9 | 16.6 | 16.9 | 11.6 | 23.4 | 18.2 |
| Jul 12 | 17 | 15.8 | 13.9 | 13.3 | 13.7 | 14 | 14.9 | 16.7 | 17.8 | 18 | 19.1 | 20.3 | 20.7 | 21.2 | 22.2 | 21.9 | 21.4 | 20.7 | 20.4 | 20.1 | 18.8 | 16.7 | 15.6 | 15.5 | 13.3 | 22.2 | 17.9 |
| Jul 13 | 14.4 | 13.9 | 12.9 | 11.6 | 11.6 | 11.9 | 12.3 | 13 | 14.1 | 14.9 | 14.7 | 14.1 | 14.8 | 17.3 | 18.6 | 19.4 | 18.9 | 18.6 | 16.6 | 17.6 | 16.5 | 13.7 | 13.5 | 12.7 | 11.6 | 19.4 | 14.9 |
| Jul 14 | 12.7 | 12.6 | 12.1 | 11.7 | 11.4 | 11 | 11.9 | 14.2 | 16.3 | 16.8 | 17.2 | 17.2 | 18 | 18.9 | 19.8 | 20 | 20.2 | 20.2 | 20.2 | 19.6 | 17.4 | 12.7 | 10 | 8.1 | 8.1 | 20.2 | 15.4 |
| Jul 15 | 7.7 | 6.7 | 7.8 | 7.4 | 6.3 | 7.9 | 11.3 | 14.9 | 18.2 | 20 | 21 | 21.9 | 22.7 | 23.5 | 23.4 | 23.8 | 23.3 | 23.1 | 22.8 | 22.2 | 19.5 | 18.1 | 17.4 | 16.3 | 6.3 | 23.8 | 17.0 |
| Jul 16 | 15.4 | 15.3 | 14.4 | 14 | 14.1 | 13.1 | 14.3 | 17 | 19 | 22.1 | 23.3 | 23.8 | 23.9 | 24.5 | 24.7 | 24.5 | 24.4 | 24.1 | 23.9 | 23.4 | 21.8 | 17.7 | 14.6 | 15.2 | 13.1 | 24.7 | 19.5 |
| Jul 17 | 13.9 | 11.7 | 9.7 | 8.3 | 7.6 | 8.2 | 12.2 | 16.9 | 19 | 21 | 21.5 | 22.8 | 23.1 | 23.9 | 24.3 | 24.5 | 24.7 | 24.6 | 24.1 | 23.1 | 19.4 | 16.4 | 17.7 | 16.9 | 7.6 | 24.7 | 18.1 |
| Jul 18 | 16.1 | 15.1 | 14.7 | 14.8 | 14.2 | 14.2 | 15.8 | 19.2 | 21.7 | 22.8 | 23.6 | 24.4 | 25 | 25.6 | 25.9 | 26.4 | 26.3 | 25.8 | 25.2 | 24.2 | 22.7 | 19.4 | 16.4 | 16 | 14.2 | 26.4 | 20.6 |
| Jul 19 | 13.6 | 12.2 | 10.4 | 10 | 8.2 | 8.5 | 13 | 17.5 | 21.2 | 23.2 | 23.5 | 23.9 | 24.8 | 24.9 | 25.2 | 26.3 | 26.2 | 25.7 | 23.9 | 21.5 | 19.8 | 17.5 | 15.7 | 14.4 | 8.2 | 26.3 | 18.8 |
| Jul 20 | 13 | 11.2 | 10.7 | 10.8 | 9.9 | 10.7 | 12.6 | 14.9 | 17.2 | 19.4 | 21.3 | 22.8 | 24.2 | 25.6 | 25.6 | 23.3 | 21.4 | 18.4 | 17.4 | 16.5 | 15.7 | 15.1 | 13.1 | 12.6 | 9.9 | 25.6 | 16.8 |
| Jul 21 | 12.2 | 11.8 | 11.5 | 10.8 | 9.9 | 9.6 | 9.6 | 10.1 | 11 | 11.6 | 12.6 | 13.9 | 14.3 | 15.5 | 16.3 | 16.9 | 17.9 | 18 | 18 | 17.6 | 14.3 | 10 | 7.6 | 6.2 | 6.2 | 18.0 | 12.8 |
| Jul 22 | 5.1 | 4.2 | **3.6** | 3.7 | 4.4 | 5.2 | 7.8 | 10.8 | 13 | 15.3 | 17.4 | 18.4 | 18.7 | 19.6 | 20.1 | 20.6 | 21.1 | 20.3 | 20.2 | 19.2 | 16.5 | 12.1 | 9.7 | 8.1 | **3.6** | 21.1 | 13.1 |
| Jul 23 | 7.9 | 10.3 | 10.9 | 11 | 11.3 | 11.6 | 11.8 | 13.1 | 14.2 | 15.1 | 17.5 | 19 | 19.5 | 20.3 | 20.9 | 21.4 | 21.3 | 20.9 | 21 | 19.2 | 18.1 | 16.6 | 15.5 | 15.5 | 7.9 | 21.4 | 16.0 |
| Jul 24 | 14.9 | 13.4 | 12 | 11.7 | 13 | 13 | 13.1 | 14.4 | 16.3 | 16.4 | 17.4 | 20.1 | 20.9 | 21.9 | 22.8 | 23.1 | 20.6 | 21.1 | 21.4 | 20.1 | 18.4 | 13.8 | 10.8 | 10.2 | 10.2 | 23.1 | 16.7 |
| Jul 25 | 9.7 | 9 | 8 | 7.7 | 7.8 | 9.2 | 9.6 | 10.3 | 11 | 11.7 | 11.7 | 12 | 13.2 | 14.7 | 15.1 | 15.8 | 16.5 | 17.2 | 15.2 | 13.9 | 12.9 | 11.1 | 10.2 | 9 | 7.7 | 17.2 | **11.8** |
| Jul 26 | 8.6 | 8.7 | 8.8 | 9 | 8 | 7.1 | 9.2 | 12 | 14.1 | 15.8 | 17.4 | 18.8 | 19.6 | 16.2 | 17.6 | 19.1 | 18.3 | 18.5 | 20.1 | 18.1 | 16.2 | 15 | 14 | 13.8 | 7.1 | 20.1 | 14.3 |
| Jul 27 | 12.9 | 12.1 | 11.5 | 11.3 | 10.9 | 10.9 | 10.9 | 11.1 | 12.6 | 14 | 13.8 | 13.4 | 15.1 | 16 | 16.5 | 16.5 | 16.6 | 16.9 | 17 | 16.3 | 13 | 9.1 | 7.3 | 7.4 | 7.3 | 17.0 | 13.0 |
| Jul 28 | 7.8 | 6 | 7.7 | 8.6 | 8.3 | 8.3 | 10.3 | 12 | 14.3 | 16.4 | 17.7 | 18.8 | 19.2 | 20.2 | 21 | 21.6 | 21.7 | 21.8 | 22.3 | 22.1 | 17.1 | 13.7 | 14.3 | 13.5 | 6.0 | 22.3 | 15.2 |
| Jul 29 | 13 | 12.1 | 11.6 | 10.4 | 8.8 | 9.7 | 12.9 | 16.5 | 18.5 | 20.9 | 22.7 | 23.9 | 24.7 | 25.4 | 26.2 | 26.8 | 27.1 | 26.8 | 26.7 | 25 | 20.8 | 16.7 | 18.4 | 17.9 | 8.8 | 27.1 | 19.3 |
| Jul 30 | 17 | 16.8 | 14.6 | 11.8 | 10.6 | 11.5 | 15.5 | 19.1 | 21.9 | 24.3 | 26.5 | 28.2 | 29 | 29.6 | 30.3 | 30.7 | 30.8 | 30.7 | 30.3 | 28.5 | 23 | 19 | 17.2 | 16.7 | 10.6 | 30.8 | 22.2 |
| Jul 31 | 15.4 | 16.2 | 14 | 13.7 | 18 | 17 | 19.7 | 23.2 | 25.6 | 27.5 | 28.7 | 30 | 30.6 | 31.3 | 31.9 | **32.1** | **32.1** | 32 | 30.3 | 29.1 | 27.1 | 25.6 | 23.6 | 21.7 | 13.7 | **32.1** | **24.9** |
| Diurnal Maximum | 18.5 | 18.5 | 17.2 | 16.3 | 18.0 | 17.0 | 19.7 | 23.2 | 25.6 | 27.5 | 28.7 | 30.0 | 30.6 | 31.3 | 31.9 | 32.1 | 32.1 | 32.0 | 30.3 | 29.1 | 27.1 | 25.6 | 23.6 | 21.7 | | | |
| Diurnal Average | 12.9 | 12.3 | 11.5 | 11.0 | 10.7 | 11.0 | 12.6 | 14.7 | 16.6 | 17.9 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.3 | 22.1 | 21.5 | 21.0 | 20.0 | 18.0 | 15.5 | 14.3 | 13.6 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 - July 2025***

**Summary of Hourly Averages**

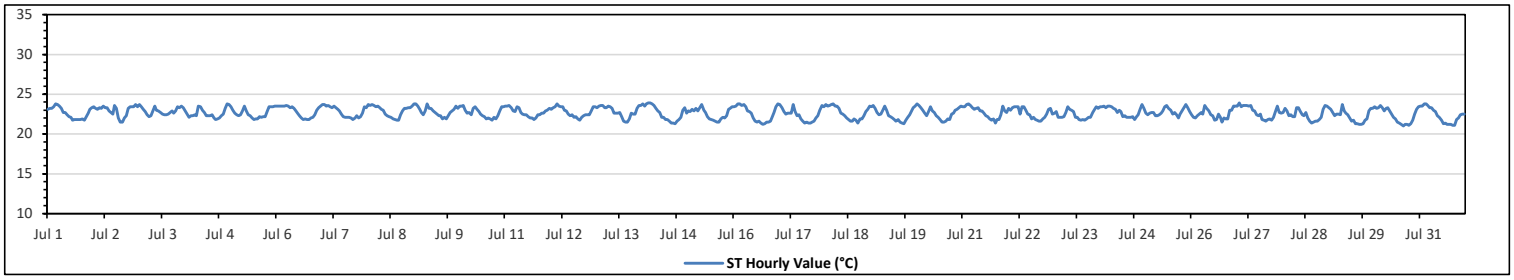
**STATION TEMPERATURE (ST) in Degree Celsius**

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 23.9 | °C | on Jul 14 at hr 3 | Hours in Service: | 744 | |
| Maximum Daily Value: | 23.0 | °C | on Jul 2 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 21.0 | °C | on Jul 30 at hr 15 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 22.3 | °C | on Jul 29 | Hours of Calibration: | 0 | |
| Monthly Average: | 22.6 | °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 | | | |
| Jul 1 | 23.1 | 23.2 | 23.2 | 23.4 | 23.8 | 23.7 | 23.5 | 23.2 | 22.7 | 22.7 | 22.4 | 22.2 | 22.1 | 21.7 | 21.8 | 21.8 | 21.8 | 21.8 | 21.9 | 21.7 | 22.2 | 22.6 | 23.1 | 23.3 | 21.7 | 23.8 | 22.6 |
| Jul 2 | 23.4 | 23.2 | 23.1 | 23.3 | 23.2 | 23.5 | 23.3 | 23.3 | 22.9 | 22.7 | 22.5 | 23.6 | 23.2 | 22.0 | 21.5 | 21.5 | 22.0 | 22.3 | 23.2 | 23.4 | 23.4 | 23.4 | 23.7 | 23.4 | 21.5 | 23.7 | **23.0** |
| Jul 3 | 23.7 | 23.4 | 23.1 | 22.8 | 22.4 | 22.2 | 22.3 | 22.9 | 23.5 | 23.0 | 22.9 | 22.7 | 22.5 | 22.4 | 22.4 | 22.5 | 22.7 | 22.9 | 22.6 | 22.9 | 23.4 | 23.3 | 23.5 | 23.3 | 22.2 | 23.7 | 22.9 |
| Jul 4 | 22.9 | 22.5 | 22.1 | 22.3 | 22.3 | 22.4 | 22.3 | 23.5 | 23.4 | 23.0 | 22.7 | 22.3 | 22.3 | 22.3 | 22.4 | 22.0 | 21.8 | 21.9 | 22.0 | 22.3 | 22.5 | 23.2 | 23.8 | 23.7 | 21.8 | 23.8 | 22.6 |
| Jul 5 | 23.4 | 23.0 | 22.6 | 22.4 | 22.3 | 22.4 | 22.9 | 23.5 | 22.9 | 22.4 | 22.3 | 22.0 | 21.8 | 21.9 | 21.9 | 22.2 | 22.1 | 22.2 | 22.2 | 22.8 | 23.4 | 23.4 | 23.4 | 23.5 | 21.8 | 23.5 | 22.6 |
| Jul 6 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.6 | 23.5 | 23.3 | 23.4 | 23.2 | 22.9 | 22.6 | 22.3 | 22.0 | 21.8 | 21.9 | 21.8 | 21.8 | 22.0 | 22.1 | 22.4 | 23.0 | 23.3 | 23.5 | 21.8 | 23.6 | 22.8 |
| Jul 7 | 23.7 | 23.7 | 23.5 | 23.6 | 23.4 | 23.3 | 23.5 | 23.3 | 23.1 | 22.9 | 22.5 | 22.2 | 22.1 | 22.1 | 22.1 | 22.0 | 21.8 | 22.0 | 22.3 | 22.0 | 22.2 | 22.6 | 23.4 | 23.3 | 21.8 | 23.7 | 22.8 |
| Jul 8 | 23.7 | 23.6 | 23.7 | 23.6 | 23.4 | 23.5 | 23.3 | 23.1 | 23.0 | 22.5 | 22.3 | 22.2 | 22.1 | 21.9 | 21.8 | 21.7 | 21.7 | 22.4 | 22.9 | 23.2 | 23.2 | 23.3 | 23.3 | 23.5 | 21.7 | 23.7 | 22.9 |
| Jul 9 | 23.8 | 23.8 | 23.5 | 23.1 | 22.7 | 22.4 | 22.9 | 23.8 | 23.2 | 23.2 | 22.9 | 22.7 | 22.5 | 22.3 | 22.3 | 21.9 | 22.1 | 21.9 | 22.3 | 22.7 | 22.9 | 23.1 | 23.5 | 23.2 | 21.9 | 23.8 | 22.9 |
| Jul 10 | 23.5 | 23.5 | 23.6 | 23.0 | 22.6 | 22.7 | 22.4 | 23.2 | 23.4 | 23.1 | 22.8 | 22.5 | 22.3 | 22.2 | 21.9 | 22.0 | 21.9 | 21.7 | 22.1 | 21.9 | 22.3 | 22.9 | 23.4 | 23.4 | 21.7 | 23.6 | 22.7 |
| Jul 11 | 23.5 | 23.5 | 23.6 | 23.3 | 22.9 | 22.8 | 23.4 | 23.3 | 22.7 | 22.5 | 22.4 | 22.4 | 22.2 | 22.0 | 22.0 | 21.8 | 22.0 | 22.4 | 22.4 | 22.6 | 22.6 | 22.9 | 23.0 | 23.2 | 21.8 | 23.6 | 22.7 |
| Jul 12 | 23.1 | 23.3 | 23.4 | 23.8 | 23.5 | 23.4 | 23.4 | 23.0 | 22.9 | 22.5 | 22.3 | 22.4 | 22.1 | 22.2 | 21.9 | 21.7 | 22.1 | 22.3 | 22.4 | 22.4 | 22.4 | 22.9 | 23.4 | 23.4 | 21.7 | 23.8 | 22.8 |
| Jul 13 | 23.3 | 23.5 | 23.6 | 23.6 | 23.3 | 23.3 | 23.5 | 23.4 | 23.2 | 22.6 | 22.6 | 22.6 | 22.7 | 22.2 | 21.6 | 21.5 | 21.5 | 21.9 | 22.6 | 22.5 | 22.5 | 23.2 | 23.6 | 23.6 | 21.5 | 23.6 | 22.8 |
| Jul 14 | 23.8 | 23.5 | 23.8 | **23.9** | **23.9** | 23.8 | 23.6 | 23.2 | 22.9 | 22.7 | 22.1 | 22.1 | 21.8 | 21.8 | 21.6 | 21.4 | 21.4 | 21.3 | 21.6 | 21.8 | 22.1 | 23.0 | 23.3 | 22.6 | 21.3 | **23.9** | 22.6 |
| Jul 15 | 22.9 | 22.8 | 23.1 | 22.9 | 23.2 | 22.9 | 23.3 | 23.7 | 23.0 | 22.7 | 22.2 | 21.9 | 21.8 | 21.7 | 21.6 | 21.5 | 21.5 | 21.9 | 22.1 | 22.0 | 22.3 | 23.1 | 23.2 | 23.4 | 21.5 | 23.7 | 22.5 |
| Jul 16 | 23.4 | 23.5 | 23.8 | 23.8 | 23.6 | 23.7 | 23.4 | 22.9 | 22.8 | 22.6 | 22.0 | 21.6 | 21.5 | 21.6 | 21.4 | 21.2 | 21.3 | 21.5 | 21.5 | 21.6 | 22.1 | 22.7 | 23.4 | 23.8 | 21.2 | 23.8 | 22.5 |
| Jul 17 | 23.7 | 23.3 | 22.8 | 22.5 | 22.6 | 22.6 | 22.6 | 23.7 | 22.8 | 22.3 | 22.4 | 21.9 | 21.6 | 21.4 | 21.5 | 21.4 | 21.4 | 21.5 | 21.6 | 22.0 | 22.3 | 23.0 | 23.6 | 23.4 | 21.4 | 23.7 | 22.4 |
| Jul 18 | 23.7 | 23.5 | 23.6 | 23.7 | 23.8 | 23.5 | 23.5 | 23.2 | 22.6 | 22.5 | 22.3 | 22.0 | 21.8 | 21.6 | 21.6 | 21.9 | 21.7 | 21.4 | 21.9 | 21.9 | 22.3 | 22.8 | 23.1 | 23.5 | 21.4 | 23.8 | 22.6 |
| Jul 19 | 23.4 | 23.6 | 23.2 | 22.7 | 22.4 | 22.5 | 23.0 | 23.5 | 23.0 | 22.3 | 22.2 | 22.0 | 21.8 | 21.6 | 21.8 | 21.5 | 21.4 | 21.3 | 21.7 | 22.1 | 22.4 | 22.9 | 23.3 | 23.5 | 21.3 | 23.6 | 22.5 |
| Jul 20 | 23.8 | 23.6 | 23.3 | 23.0 | 22.6 | 22.3 | 22.8 | 23.4 | 22.9 | 22.7 | 22.3 | 22.1 | 21.8 | 21.5 | 21.5 | 21.6 | 21.9 | 21.8 | 22.5 | 22.6 | 23.0 | 23.1 | 23.3 | 23.5 | 21.5 | 23.8 | 22.6 |
| Jul 21 | 23.4 | 23.4 | 23.7 | 23.8 | 23.6 | 23.3 | 23.1 | 23.2 | 23.3 | 22.9 | 22.9 | 22.6 | 22.3 | 22.2 | 21.9 | 21.7 | 21.9 | 21.4 | 21.8 | 21.8 | 22.4 | 23.5 | 22.9 | 22.7 | 21.4 | 23.8 | 22.7 |
| Jul 22 | 23.2 | 23.0 | 23.3 | 23.4 | 23.4 | 23.4 | 22.5 | 23.4 | 23.4 | 23.0 | 22.5 | 22.4 | 21.9 | 22.1 | 21.8 | 21.7 | 21.6 | 21.6 | 21.9 | 22.1 | 22.5 | 23.1 | 23.2 | 22.5 | 21.6 | 23.4 | 22.6 |
| Jul 23 | 22.6 | 22.8 | 22.1 | 22.1 | 22.1 | 22.2 | 22.7 | 23.4 | 23.1 | 23.0 | 22.8 | 22.1 | 22.1 | 21.8 | 21.7 | 21.8 | 21.7 | 21.9 | 22.1 | 22.1 | 22.7 | 23.1 | 23.4 | 23.2 | 21.7 | 23.4 | 22.4 |
| Jul 24 | 23.4 | 23.4 | 23.5 | 23.3 | 23.5 | 23.5 | 23.4 | 23.2 | 23.1 | 22.7 | 23.0 | 22.8 | 22.2 | 22.3 | 22.1 | 22.1 | 22.1 | 22.2 | 21.8 | 22.2 | 22.4 | 23.1 | 23.7 | 23.2 | 21.8 | 23.7 | 22.8 |
| Jul 25 | 22.6 | 22.4 | 22.6 | 22.7 | 22.7 | 22.3 | 22.3 | 22.4 | 22.6 | 22.9 | 23.4 | 23.6 | 23.2 | 23.0 | 22.5 | 22.7 | 22.4 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 | 23.3 | 22.8 | 22.0 | 23.7 | 22.8 |
| Jul 26 | 22.4 | 22.1 | 22.0 | 22.3 | 22.5 | 22.7 | 22.5 | 23.6 | 23.2 | 22.9 | 22.4 | 22.3 | 21.7 | 21.8 | 22.5 | 22.1 | 21.5 | 22.0 | 21.9 | 21.9 | 23.0 | 23.0 | 23.5 | 23.5 | 21.5 | 23.6 | 22.5 |
| Jul 27 | 23.5 | **23.9** | 23.4 | 23.6 | 23.6 | 23.6 | 23.5 | 23.6 | 23.0 | 22.9 | 22.4 | 22.3 | 22.5 | 21.8 | 21.7 | 21.6 | 21.8 | 21.9 | 21.7 | 22.1 | 22.8 | 23.5 | 22.7 | 22.6 | 21.6 | **23.9** | 22.8 |
| Jul 28 | 22.7 | 23.2 | 22.9 | 22.3 | 22.4 | 22.2 | 22.2 | 23.3 | 23.3 | 22.8 | 22.4 | 22.3 | 22.7 | 22.0 | 21.6 | 21.4 | 21.5 | 21.6 | 21.6 | 21.8 | 22.1 | 23.1 | 23.6 | 23.5 | 21.4 | 23.6 | 22.4 |
| Jul 29 | 23.3 | 23.1 | 22.7 | 22.3 | 22.5 | 22.5 | 22.4 | 23.7 | 22.9 | 22.6 | 22.4 | 22.0 | 21.6 | 21.7 | 21.3 | 21.3 | 21.2 | 21.2 | 21.3 | 21.7 | 21.9 | 22.9 | 23.2 | 23.2 | 21.2 | 23.7 | **22.3** |
| Jul 30 | 23.4 | 23.2 | 23.3 | 23.6 | 23.3 | 22.9 | 23.2 | 23.3 | 22.9 | 22.5 | 22.1 | 21.9 | 21.5 | 21.4 | 21.2 | **21.0** | 21.2 | 21.2 | 21.1 | 21.3 | 21.7 | 22.5 | 23.1 | 23.4 | **21.0** | 23.6 | 22.3 |
| Jul 31 | 23.5 | 23.5 | 23.8 | 23.8 | 23.6 | 23.3 | 23.3 | 23.0 | 22.8 | 22.3 | 22.1 | 21.7 | 21.3 | 21.4 | 21.2 | 21.2 | 21.2 | 21.1 | 21.1 | 21.8 | 22.0 | 22.4 | 22.5 | 22.5 | 21.1 | 23.8 | 22.4 |
| Diurnal Maximum | 23.8 | 23.9 | 23.8 | 23.9 | 23.9 | 23.8 | 23.6 | 23.8 | 23.5 | 23.2 | 23.4 | 23.6 | 23.2 | 23.0 | 22.5 | 22.7 | 22.7 | 22.9 | 23.2 | 23.4 | 23.4 | 23.7 | 23.8 | 23.8 | | | |
| Diurnal Average | 23.3 | 23.3 | 23.2 | 23.1 | 23.1 | 23.0 | 23.0 | 23.3 | 23.0 | 22.7 | 22.5 | 22.3 | 22.1 | 21.9 | 21.8 | 21.7 | 21.7 | 21.8 | 22.0 | 22.2 | 22.5 | 23.0 | 23.3 | 23.3 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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*

### *842-B Station - July 2025*

### Summary of Hourly Averages

### PRECIPITATION in mm

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.8 | mm | on Jul 25 at hr 10 | Hours in Service: | 744 | |
| Maximum Daily Value: | 9.6 | mm | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.0 | mm | on Jul 1 at hr 0 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.0 | mm | on Jul 1 | Hours of Calibration: | 0 | |
| Monthly Total: | 28.3 | 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 |
| Jul 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 |
| Jul 2 | 0 | 0 | 0 | 0 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 1.6 | 2.1 | 0 | 0 | 0 | 0.1 | 0.0 | 2.1 | 6.3 |
| Jul 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0.0 | 0.7 | 0.7 |
| Jul 4 | 0.3 | 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 | 0.3 | 0.3 |
| Jul 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 1 | 0.5 | 0 | 0 | 0 | 0.0 | 1.0 | 1.6 |
| Jul 6 | 0 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 0 | 0.0 | 0.6 | 2.0 |
| Jul 7 | 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 | 0.1 | 0.1 |
| Jul 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.8 | 2.6 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.3 | 0.4 |
| Jul 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 |
| Jul 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 |
| Jul 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 21 | 0 | 0 | 0 | 1.1 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.1 | 1.7 |
| Jul 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 |
| Jul 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 |
| Jul 24 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0.1 | 0 | 0.0 | 1.3 | 2.8 |
| Jul 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 1.3 | 2.4 | 1.3 | **2.8** | 0.8 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | **2.8** | **9.6** |
| Jul 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.2 | 0.2 |
| Jul 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 |
| Jul 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 |
| Jul 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Jul 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 |
| Jul 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 | 0.3 | 0.5 | 0.3 | 1.1 | 0.8 | 0.8 | 0.7 | 1.3 | 2.4 | 1.3 | 2.8 | 0.8 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 1.7 | 1.8 | 2.1 | 0.5 | 1.3 | 0.1 | 0.7 | | | |
| Diurnal Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 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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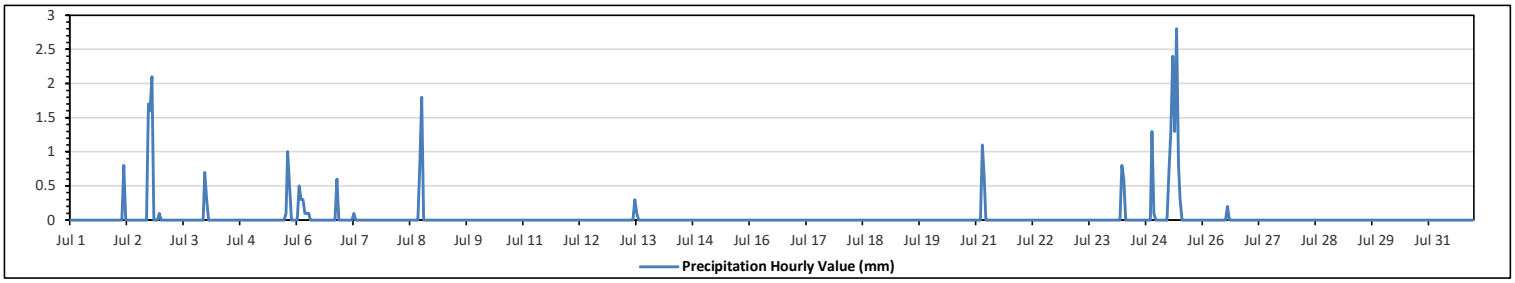


***Peace River Area Monitoring Program***

***842-B Station - July 2025***

**Summary of Hourly Averages**

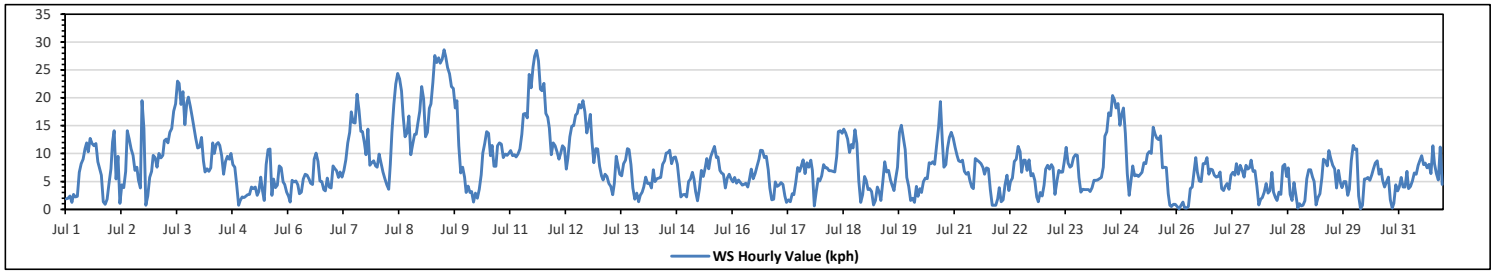
**VECTOR WIND SPEED (VWS) in km/hr**

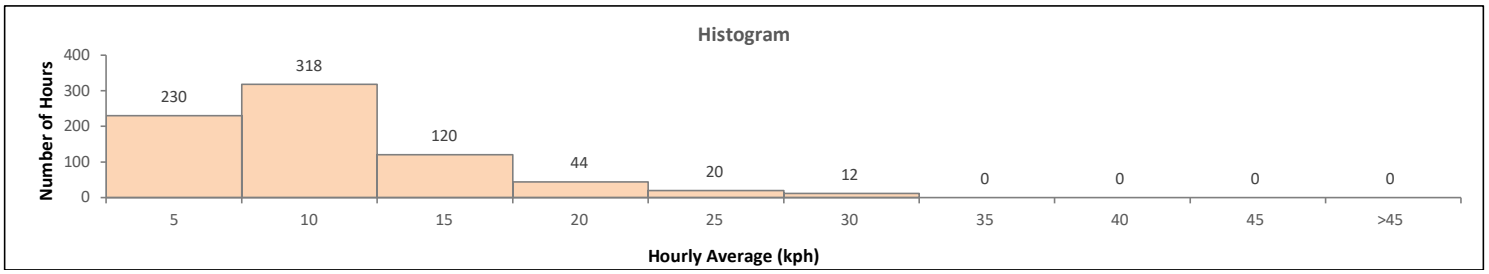
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 28.6 | kph | on Jul 9 at hr 12 | Hours in Service: | 744 | |
| Maximum Daily Value: | 20.0 | kph | on Jul 9 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.1 | kph | on Jul 26 at hr 1 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 3.6 | kph | on Jul 28 | Hours of Calibration: | 0 | |
| Monthly Average: | 4.0 | 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 | | | |
| Jul 1 | 1.9 | 2.0 | 2.4 | 1.2 | 2.7 | 2.2 | 2.3 | 6.6 | 8.2 | 9.0 | 10.9 | 11.9 | 10.3 | 12.7 | 11.8 | 11.4 | 11.8 | 8.5 | 7.4 | 6.1 | 1.4 | 0.9 | 1.8 | 4.7 | 0.9 | 12.7 | 6.3 |
| Jul 2 | 7.3 | 12.1 | 14.1 | 5.4 | 9.5 | 1.1 | 4.4 | 3.9 | 6.8 | 14.1 | 12.6 | 10.8 | 9.7 | 7.0 | 7.6 | 5.2 | 3.8 | 19.5 | 14.5 | 0.7 | 2.4 | 5.7 | 6.8 | 9.7 | 0.7 | 19.5 | 8.1 |
| Jul 3 | 9.3 | 7.6 | 10.0 | 9.2 | 9.7 | 12.3 | 12.6 | 11.9 | 13.8 | 14.5 | 17.6 | 18.9 | 23.0 | 22.6 | 18.8 | 21.1 | 15.2 | 19.1 | 20.1 | 18.5 | 16.5 | 14.8 | 12.7 | 11.0 | 7.6 | 23.0 | 15.0 |
| Jul 4 | 11.2 | 12.9 | 8.7 | 6.7 | 7.3 | 6.8 | 7.4 | 11.9 | 10.0 | 11.6 | 12.0 | 11.5 | 9.6 | 6.3 | 8.6 | 9.5 | 9.0 | 10.0 | 8.0 | 7.6 | 4.3 | 0.7 | 1.6 | 2.2 | 0.7 | 12.9 | 8.1 |
| Jul 5 | 2.1 | 2.3 | 2.6 | 2.7 | 4.0 | 3.7 | 4.0 | 2.5 | 3.2 | 5.8 | 3.2 | 1.6 | 8.0 | 10.7 | 10.8 | 2.5 | 5.4 | 3.9 | 4.3 | 7.8 | 7.4 | 4.9 | 4.5 | 3.1 | 1.6 | 10.8 | 4.6 |
| Jul 6 | 2.3 | 1.3 | 5.2 | 4.9 | 5.1 | 4.4 | 2.8 | 3.1 | 5.4 | 6.3 | 6.1 | 5.4 | 4.7 | 4.5 | 9.0 | 10.1 | 8.6 | 5.1 | 5.0 | 3.5 | 3.3 | 5.6 | 4.0 | 3.8 | 1.3 | 10.1 | 5.0 |
| Jul 7 | 7.8 | 7.3 | 6.9 | 5.7 | 6.7 | 5.8 | 7.0 | 8.9 | 11.9 | 13.8 | 17.5 | 15.6 | 15.5 | 20.6 | 17.9 | 14.0 | 13.9 | 11.9 | 9.8 | 14.4 | 7.9 | 8.4 | 8.7 | 7.8 | 5.7 | 20.6 | 11.1 |
| Jul 8 | 7.6 | 9.9 | 8.3 | 6.7 | 5.5 | 4.4 | 3.6 | 8.1 | 13.8 | 18.8 | 22.5 | 24.4 | 23.4 | 21.2 | 16.8 | 13.0 | 13.7 | 16.7 | 9.8 | 11.7 | 13.5 | 13.5 | 15.4 | 17.6 | 3.6 | 24.4 | 13.3 |
| Jul 9 | 22.0 | 19.8 | 13.0 | 13.8 | 18.1 | 18.9 | 22.8 | 27.6 | 26.3 | 27.2 | 26.2 | 26.9 | **28.6** | 27.4 | 25.4 | 24.3 | 22.0 | 21.7 | 18.2 | 19.5 | 11.4 | 6.5 | 7.6 | 5.8 | 5.8 | **28.6** | **20.0** |
| Jul 10 | 3.0 | 4.2 | 3.0 | 3.2 | 1.3 | 2.9 | 2.0 | 3.6 | 6.2 | 10.1 | 11.8 | 13.9 | 13.6 | 9.6 | 11.5 | 7.7 | 7.7 | 11.4 | 11.9 | 11.7 | 9.3 | 9.9 | 9.7 | 10.0 | 1.3 | 13.9 | 7.9 |
| Jul 11 | 10.5 | 9.6 | 9.8 | 9.4 | 9.9 | 10.8 | 13.5 | 17.1 | 17.2 | 16.4 | 24.2 | 21.8 | 25.5 | 27.5 | 28.5 | 26.6 | 21.6 | 21.3 | 22.6 | 17.2 | 16.5 | 14.6 | 9.8 | 11.9 | 9.4 | 28.5 | 17.2 |
| Jul 12 | 11.4 | 10.3 | 9.0 | 10.2 | 11.4 | 11.0 | 7.2 | 9.2 | 13.0 | 14.9 | 15.0 | 16.9 | 17.2 | 18.8 | 18.2 | 19.5 | 17.5 | 13.7 | 15.0 | 17.0 | 12.2 | 8.4 | 10.9 | 10.8 | 7.2 | 19.5 | 13.3 |
| Jul 13 | 7.7 | 6.0 | 5.3 | 6.3 | 5.9 | 4.6 | 4.1 | 2.6 | 4.6 | 9.5 | 8.0 | 6.3 | 6.0 | 8.2 | 8.8 | 10.9 | 10.7 | 8.0 | 3.8 | 1.8 | 2.9 | 1.4 | 2.5 | 3.1 | 1.4 | 10.9 | 5.8 |
| Jul 14 | 4.0 | 5.8 | 4.6 | 4.7 | 3.8 | 7.1 | 5.0 | 5.5 | 5.6 | 5.7 | 8.1 | 8.7 | 10.1 | 10.2 | 10.6 | 8.2 | 9.3 | 9.4 | 8.1 | 4.8 | 2.2 | 2.6 | 2.7 | 2.2 | 2.2 | 10.6 | 6.2 |
| Jul 15 | 5.0 | 5.4 | 6.6 | 5.4 | 3.2 | 1.5 | 3.7 | 7.0 | 5.9 | 7.4 | 9.1 | 7.3 | 9.4 | 10.4 | 11.3 | 9.3 | 9.4 | 7.0 | 6.5 | 6.3 | 3.8 | 5.6 | 6.3 | 5.4 | 1.5 | 11.3 | 6.6 |
| Jul 16 | 4.9 | 5.7 | 4.7 | 5.3 | 4.8 | 4.3 | 4.5 | 4.7 | 4.0 | 5.3 | 7.2 | 5.5 | 6.4 | 7.7 | 9.0 | 10.6 | 10.5 | 9.3 | 9.5 | 7.1 | 3.8 | 1.7 | 1.8 | 4.9 | 1.7 | 10.6 | 6.0 |
| Jul 17 | 4.1 | 4.3 | 4.8 | 4.5 | 2.4 | 1.2 | 1.7 | 1.4 | 2.8 | 2.6 | 4.8 | 7.5 | 6.8 | 7.7 | 8.9 | 6.4 | 8.4 | 7.6 | 8.8 | 7.0 | 0.6 | 3.2 | 5.5 | 5.1 | 0.6 | 8.9 | 4.9 |
| Jul 18 | 6.0 | 8.0 | 7.4 | 7.4 | 6.9 | 6.9 | 6.8 | 6.7 | 9.5 | 13.9 | 14.1 | 13.6 | 14.4 | 13.7 | 12.6 | 10.2 | 11.6 | 11.0 | 14.3 | 11.8 | 5.1 | 1.2 | 2.6 | 5.9 | 1.2 | 14.4 | 9.2 |
| Jul 19 | 5.2 | 3.5 | 3.7 | 3.2 | 0.8 | 1.6 | 4.0 | 3.1 | 1.6 | 4.9 | 8.5 | 6.7 | 7.0 | 5.3 | 4.3 | 3.4 | 5.4 | 7.6 | 13.8 | 15.1 | 12.9 | 10.7 | 5.7 | 4.1 | 0.8 | 15.1 | 5.9 |
| Jul 20 | 1.6 | 2.0 | 1.2 | 4.1 | 2.3 | 3.7 | 3.0 | 5.0 | 5.6 | 5.5 | 8.4 | 8.2 | 8.5 | 8.1 | 11.4 | 14.5 | 19.3 | 12.3 | 7.6 | 8.0 | 10.9 | 12.9 | 13.8 | 12.8 | 1.2 | 19.3 | 7.9 |
| Jul 21 | 11.1 | 9.7 | 8.7 | 8.5 | 8.8 | 6.8 | 6.3 | 6.6 | 5.2 | 4.0 | 3.7 | 9.1 | 8.8 | 8.5 | 8.2 | 7.5 | 6.3 | 7.4 | 7.3 | 3.5 | 0.7 | 0.7 | 0.7 | 1.9 | 0.7 | 11.1 | 6.3 |
| Jul 22 | 3.9 | 1.4 | 1.7 | 4.4 | 6.1 | 3.4 | 5.0 | 5.6 | 8.6 | 9.0 | 11.3 | 10.4 | 6.6 | 8.8 | 8.8 | 7.0 | 8.9 | 6.0 | 6.4 | 5.2 | 2.2 | 1.4 | 3.0 | 2.4 | 1.4 | 11.3 | 5.7 |
| Jul 23 | 4.3 | 7.2 | 7.9 | 7.2 | 8.0 | 7.5 | 2.7 | 5.0 | 7.0 | 6.6 | 6.7 | 8.5 | 11.1 | 8.3 | 7.6 | 7.8 | 9.3 | 9.8 | 9.7 | 5.7 | 3.1 | 3.6 | 3.5 | 3.5 | 2.7 | 11.1 | 6.7 |
| Jul 24 | 3.5 | 3.2 | 3.9 | 5.2 | 5.2 | 5.3 | 5.5 | 5.7 | 7.6 | 13.1 | 13.9 | 17.3 | 16.8 | 20.4 | 19.6 | 18.2 | 19.0 | 15.1 | 16.9 | 18.2 | 13.6 | 6.4 | 2.5 | 4.8 | 2.5 | 20.4 | 10.9 |
| Jul 25 | 7.8 | 6.0 | 6.2 | 5.9 | 6.3 | 6.6 | 8.4 | 8.2 | 9.9 | 10.4 | 10.0 | 14.7 | 13.5 | 12.8 | 12.5 | 13.2 | 7.4 | 7.6 | 7.5 | 2.8 | 0.7 | 0.5 | 0.9 | 0.9 | 0.5 | 14.7 | 7.5 |
| Jul 26 | 0.5 | **0.1** | 0.7 | 1.3 | 0.3 | 0.2 | 0.5 | 3.7 | 4.0 | 6.9 | 9.3 | 6.7 | 5.1 | 5.0 | 8.2 | 8.2 | 9.3 | 6.3 | 7.2 | 7.1 | 6.1 | 5.8 | 5.9 | 6.7 | **0.1** | 9.3 | 4.8 |
| Jul 27 | 3.7 | 3.4 | 4.1 | 4.6 | 3.6 | 6.1 | 6.6 | 6.1 | 8.2 | 6.3 | 7.9 | 7.0 | 5.8 | 7.9 | 7.2 | 7.4 | 8.8 | 6.8 | 6.9 | 4.2 | 0.8 | 1.8 | 2.1 | 3.1 | 0.8 | 8.8 | 5.4 |
| Jul 28 | 4.6 | 2.9 | 3.4 | 6.6 | 3.1 | 2.1 | 1.6 | 3.1 | 2.7 | 7.7 | 8.1 | 5.9 | 7.4 | 2.7 | 1.6 | 4.8 | 2.5 | 0.2 | 1.0 | 0.6 | 0.7 | 1.5 | 5.5 | 7.1 | 0.2 | 8.1 | **3.6** |
| Jul 29 | 7.1 | 5.8 | 5.0 | 0.8 | 2.1 | 2.8 | 5.6 | 9.0 | 8.7 | 7.8 | 10.5 | 9.1 | 7.9 | 7.3 | 3.8 | 7.0 | 4.8 | 3.9 | 5.0 | 5.0 | 2.5 | 3.6 | 8.7 | 11.5 | 0.8 | 11.5 | 6.1 |
| Jul 30 | 10.7 | 10.8 | 2.4 | **0.1** | 0.7 | 5.4 | 5.5 | 5.7 | 5.2 | 6.2 | 7.2 | 8.3 | 8.7 | 6.3 | 7.2 | 5.2 | 4.0 | 4.9 | 5.8 | 1.7 | 0.2 | 1.1 | 4.4 | 3.3 | **0.1** | 10.8 | 5.0 |
| Jul 31 | 4.0 | 5.7 | 4.0 | 4.0 | 6.8 | 3.7 | 4.1 | 5.1 | 6.5 | 6.3 | 7.9 | 8.7 | 9.6 | 8.0 | 8.3 | 7.4 | 8.1 | 6.4 | 11.4 | 8.2 | 6.4 | 5.3 | 11.2 | 4.5 | 3.7 | 11.4 | 6.7 |
| Diurnal Maximum | 22.0 | 19.8 | 14.1 | 13.8 | 18.1 | 18.9 | 22.8 | 27.6 | 26.3 | 27.2 | 26.2 | 26.9 | 28.6 | 27.5 | 28.5 | 26.6 | 22.0 | 21.7 | 22.6 | 19.5 | 16.5 | 14.8 | 15.4 | 17.6 | | | |
| Diurnal Average | 6.3 | 6.3 | 5.8 | 5.4 | 5.6 | 5.3 | 5.6 | 6.9 | 8.0 | 9.7 | 11.1 | 11.3 | 11.6 | 11.5 | 11.4 | 10.7 | 10.4 | 10.0 | 9.8 | 8.4 | 6.0 | 5.3 | 5.9 | 6.2 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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*

### *842-B Station - July 2025*

### Summary of Hourly Averages

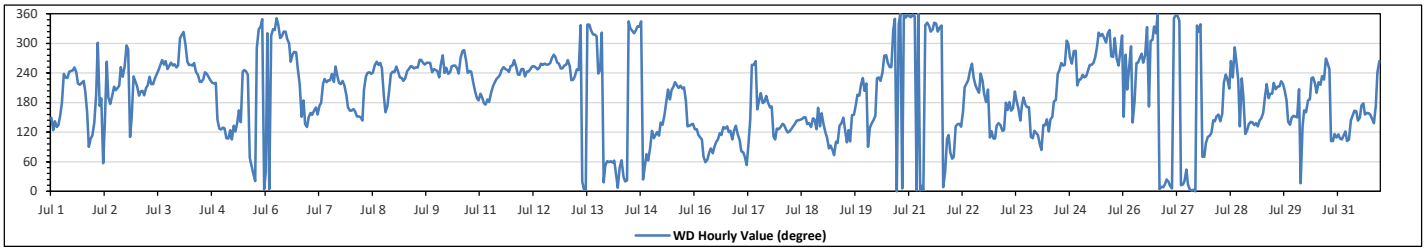
### WIND DIRECTION (VWD) in sector

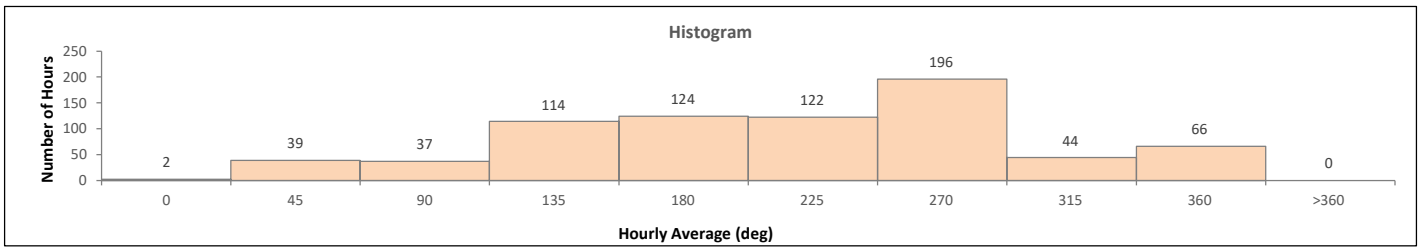
| | | | |
|---|---|---|---|
| Monthly Average: | 230 (SW) | degree | |
| Hours in Service: | 744 | | |
| Hours of Data: | 744 | | |
| Hours of Missing Data: | 0 | | |
| Hours of Calibration: | 0 | | |
| Operational Uptime: | 100.0 | | |

| 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 |
| Jul 1 | SSE | ESE | SE | SE | SE | SSE | S | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | SW | SW | SW | SW | SSW | SSE | E | ESE | ESE | 222 | SW |
| Jul 2 | SE | SSW | WNW | S | S | ENE | SE | W | S | S | S | SSW | SSW | SSW | SSW | WSW | SW | WSW | WNW | WNW | ESE | SSE | SW | SW | 216 | SW |
| Jul 3 | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SW | SW | WSW | WSW | WSW | W | WSW | W | WSW | WSW | W | WSW | WSW | WSW | WSW | 240 | WSW |
| Jul 4 | NW | NW | NW | WNW | W | WSW | WSW | WSW | WSW | WSW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SW | SW | SE | SE | SE | 250 | WSW |
| Jul 5 | SE | SE | ESE | ESE | ESE | ESE | SE | ESE | SE | SSE | SE | WSW | WSW | WSW | SW | ENE | NE | NE | NNE | WNW | NNW | NNW | NNW | N | 226 | SW |
| Jul 6 | NE | NW | N | NW | NNW | NW | N | NNW | NW | NW | NW | NW | NW | WNW | W | W | W | W | WSW | SW | SSE | S | SE | SE | 297 | WNW |
| Jul 7 | SSE | SSE | SSE | SSE | SSE | SSE | S | S | SW | SW | SW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SSW | SSW | SSE | SSE | 210 | SSW |
| Jul 8 | SSE | SSE | SSE | SSE | SSE | SSE | SE | SSW | SW | WSW | WSW | SW | WSW | WSW | W | WSW | WSW | WSW | SSW | SSE | S | SSW | SW | WSW | 225 | SW |
| Jul 9 | WSW | WSW | WSW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | WSW | WSW | W | W | WSW | WSW | WSW | WSW | 250 | WSW |
| Jul 10 | WSW | SW | WSW | W | WSW | WSW | SW | WSW | WSW | WSW | WSW | WSW | WSW | W | WNW | WNW | W | WSW | WSW | WSW | SW | SSW | S | S | 244 | WSW |
| Jul 11 | SSW | S | S | S | S | S | SSW | SSW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | SW | SW | WSW | 234 | SW |
| Jul 12 | WSW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | W | W | WSW | WSW | WSW | WSW | 256 | WSW |
| Jul 13 | WSW | W | WSW | SW | SW | SW | WSW | WSW | NNW | NNE | N | N | NNW | NNW | NW | NW | NW | NW | WSW | WSW | NW | NNE | NE | ENE | 310 | NW |
| Jul 14 | ENE | ENE | ENE | ENE | NNE | N | NE | ENE | NNE | NNE | NNE | NNW | NNW | NW | NW | NW | NNW | NNW | NNW | NNE | NE | ENE | ENE | E | 6 | N |
| Jul 15 | ESE | ESE | ESE | ESE | ESE | SE | SE | SSE | S | SSW | S | SSW | SSW | SW | SSW | SSW | SSW | SSW | SSW | S | SE | SE | SE | SE | 179 | S |
| Jul 16 | SE | SE | ESE | ESE | ESE | ENE | ENE | ENE | ENE | E | ENE | E | E | ESE | ESE | ESE | SE | SE | SE | ESE | ESE | ESE | ESE | SE | 109 | ESE |
| Jul 17 | ESE | ESE | E | ENE | ENE | NE | E | SE | WSW | WSW | W | SSE | S | SSW | S | S | S | S | SSE | S | ESE | ESE | SE | SE | 163 | SSE |
| Jul 18 | SE | SE | SE | SE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | SE | SE | SE | SE | SE | SE | SSE | SE | SSE | 139 | SE |
| Jul 19 | SE | ESE | ESE | E | E | E | ENE | E | E | SE | SE | SSE | SE | E | ESE | E | SSE | SSE | S | SSW | SSW | SW | SW | SSW | 157 | SSE |
| Jul 20 | SW | E | SE | SE | SE | SSE | SW | SW | SW | WSW | W | W | WSW | WSW | WSW | NW | N | N | NNW | N | N | N | N | N | 321 | NW |
| Jul 21 | N | N | N | N | N | N | N | NNE | N | NNW | NNW | NNW | NW | NNW | NNW | NNW | NW | NNW | NNW | N | NE | ESE | ESE | ENE | 348 | NNW |
| Jul 22 | ENE | ENE | SE | SE | SE | SE | SSE | SSW | SW | SW | WSW | WSW | SW | SSW | SSW | SSW | WSW | SW | SSW | S | SSW | ESE | ESE | ESE | 206 | SSW |
| Jul 23 | ESE | SE | SE | SE | ESE | ESE | S | SSE | S | SSE | SSE | SSW | S | SSE | SE | S | S | S | S | S | ESE | ESE | ESE | ESE | 158 | SSE |
| Jul 24 | ESE | E | E | SE | SE | SE | ESE | SE | SSE | S | S | SW | WSW | WSW | WSW | WSW | NW | WNW | W | WSW | WNW | WNW | SSW | SW | 244 | WSW |
| Jul 25 | SW | SW | SW | SW | WSW | WSW | WSW | W | W | WNW | NW | NW | NW | NW | WNW | NW | NW | W | W | NW | W | WSW | W | NW | 287 | WNW |
| Jul 26 | SSE | W | SSW | WSW | WNW | SE | S | WSW | W | W | W | W | W | NNW | S | WNW | NW | NNW | NW | N | N | N | N | NNE | 310 | NW |
| Jul 27 | NNE | NNE | NNE | N | N | N | N | NNW | NNE | NNE | NNE | NE | NNE | N | N | N | N | NNW | NW | NNW | ENE | ENE | E | ESE | 7 | N |
| Jul 28 | ESE | ESE | SE | SE | SSE | SSE | SE | SSE | SW | SW | SW | SSW | W | SW | WNW | WSW | SW | SE | SW | S | ESE | ESE | SE | SE | 188 | S |
| Jul 29 | SE | SE | SE | SE | SE | SE | SSE | SSW | SW | S | SSW | SSW | SW | SSW | SSW | SSW | SW | SW | SSW | S | SE | SE | SSE | SSE | 183 | S |
| Jul 30 | SSE | SSE | SSW | NNE | SE | SSE | SSE | S | S | SW | SW | SW | SSW | SW | SW | SW | SW | W | WSW | WSW | E | E | ESE | ESE | 196 | SSW |
| Jul 31 | ESE | ESE | ESE | ESE | ESE | E | ESE | SE | SSE | SSE | SSE | SE | SSE | S | S | SSE | SSE | SSE | SSE | SE | SE | S | WSW | W | 153 | SSE |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 2025*

### Summary of Hourly Averages

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

**WIND SPEED**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 28.6 | kph | on Jul 9 at hr 12 | Hours in Service: | 744 |
| Maximum Daily Value: | 20.0 | kph | on Jul 9 | Hours of Data: | 744 |
| Minimum Hourly Value: | 0.1 | kph | on Jul 26 at hr 1 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 3.6 | kph | on Jul 28 | Hours of Calibration: | 0 |
| Monthly Average: | 4.0 | kph | | Operational Uptime: | 100.0 |

**WIND DIRECTION**

Monthly Average: 230 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 | | | |
| Jul 1 | 1.9 | 2.0 | 2.4 | 1.2 | 2.7 | 2.2 | 2.3 | 6.6 | 8.2 | 9.0 | 10.9 | 11.9 | 10.3 | 12.7 | 11.8 | 11.4 | 11.8 | 8.5 | 7.4 | 6.1 | 1.4 | 0.9 | 1.8 | 4.7 | 0.9 | 12.7 | 6.3 |
| | SSE | ESE | SE | SE | SE | SSE | S | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | SW | SW | SW | SW | SSW | SSE | E | ESE | ESE | | | 222(SW) |
| Jul 2 | 7.3 | 12.1 | 14.1 | 5.4 | 9.5 | 1.1 | 4.4 | 3.9 | 6.8 | 14.1 | 12.6 | 10.8 | 9.7 | 7.0 | 7.6 | 5.2 | 3.8 | 19.5 | 14.5 | 0.7 | 2.4 | 5.7 | 6.8 | 9.7 | 0.7 | 19.5 | 8.1 |
| | SE | SSW | WNW | S | S | ENE | SE | W | S | S | S | SSW | SSW | SSW | SSW | WSW | SW | WSW | WNW | WNW | ESE | SSE | SW | SW | | | 216(SW) |
| Jul 3 | 9.3 | 7.6 | 10.0 | 9.2 | 9.7 | 12.3 | 12.6 | 11.9 | 13.8 | 14.5 | 17.6 | 18.9 | 23.0 | 22.6 | 18.8 | 21.1 | 15.2 | 19.1 | 20.1 | 18.5 | 16.5 | 14.8 | 12.7 | 11.0 | 7.6 | 23.0 | 15.0 |
| | SSW | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SW | WSW | WSW | WSW | WSW | W | WSW | W | WSW | WSW | W | WSW | WSW | WSW | WSW | | | 240(WSW) |
| Jul 4 | 11.2 | 12.9 | 8.7 | 6.7 | 7.3 | 6.8 | 7.4 | 11.9 | 10.0 | 11.6 | 12.0 | 11.5 | 9.6 | 6.3 | 8.6 | 9.5 | 9.0 | 10.0 | 8.0 | 7.6 | 4.3 | 0.7 | 1.6 | 2.2 | 0.7 | 12.9 | 8.1 |
| | NW | NW | NW | WNW | W | WSW | WSW | WSW | WSW | WSW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SW | SW | SE | SE | SE | | | 250(WSW) |
| Jul 5 | 2.1 | 2.3 | 2.6 | 2.7 | 4.0 | 3.7 | 4.0 | 2.5 | 3.2 | 5.8 | 3.2 | 1.6 | 8.0 | 10.7 | 10.8 | 2.5 | 5.4 | 3.9 | 4.3 | 7.8 | 7.4 | 4.9 | 4.5 | 3.1 | 1.6 | 10.8 | 4.6 |
| | SE | SE | ESE | ESE | ESE | ESE | SE | ESE | SE | SSE | SE | WSW | WSW | WSW | SW | ENE | NE | NE | NNE | WNW | NNW | NNW | NNW | N | | | 226(SW) |
| Jul 6 | 2.3 | 1.3 | 5.2 | 4.9 | 5.1 | 4.4 | 2.8 | 3.1 | 5.4 | 6.3 | 6.1 | 5.4 | 4.7 | 4.5 | 9.0 | 10.1 | 8.6 | 5.1 | 5.0 | 3.5 | 3.3 | 5.6 | 4.0 | 3.8 | 1.3 | 10.1 | 5.0 |
| | NE | NW | N | NW | NNW | NW | N | NNW | NW | NW | NW | NW | NW | WNW | W | W | W | W | WSW | SW | SSE | S | SE | SE | | | 297(WNW) |
| Jul 7 | 7.8 | 7.3 | 6.9 | 5.7 | 6.7 | 5.8 | 7.0 | 8.9 | 11.9 | 13.8 | 17.5 | 15.6 | 15.5 | 20.6 | 17.9 | 14.0 | 13.9 | 11.9 | 9.8 | 14.4 | 7.9 | 8.4 | 8.7 | 7.8 | 5.7 | 20.6 | 11.1 |
| | SSE | SSE | SSE | SSE | SSE | SSE | S | S | SW | SW | SW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SSW | SSW | SSE | SSE | | | 210(SSW) |
| Jul 8 | 7.6 | 9.9 | 8.3 | 6.7 | 5.5 | 4.4 | 3.6 | 8.1 | 13.8 | 18.8 | 22.5 | 24.4 | 23.4 | 21.2 | 16.8 | 13.0 | 13.7 | 16.7 | 9.8 | 11.7 | 13.5 | 13.5 | 15.4 | 17.6 | 3.6 | 24.4 | 13.3 |
| | SSE | SSE | SSE | SSE | SSE | SSE | SE | SSW | SW | WSW | WSW | SW | WSW | WSW | W | WSW | WSW | WSW | SSW | SSE | S | SSW | SW | WSW | | | 225(SW) |
| Jul 9 | 22.0 | 19.8 | 13.0 | 13.8 | 18.1 | 18.9 | 22.8 | 27.6 | 26.3 | 27.2 | 26.2 | 26.9 | **28.6** | 27.4 | 25.4 | 24.3 | 22.0 | 21.7 | 18.2 | 19.5 | 11.4 | 6.5 | 7.6 | 5.8 | 5.8 | **28.6** | **20.0** |
| | WSW | WSW | WSW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | WSW | WSW | W | W | WSW | WSW | WSW | WSW | | | 250(WSW) |
| Jul 10 | 3.0 | 4.2 | 3.0 | 3.2 | 1.3 | 2.9 | 2.0 | 3.6 | 6.2 | 10.1 | 11.8 | 13.9 | 13.6 | 9.6 | 11.5 | 7.7 | 7.7 | 11.4 | 11.9 | 11.7 | 9.3 | 9.9 | 9.7 | 10.0 | 1.3 | 13.9 | 7.9 |
| | WSW | SW | WSW | W | WSW | WSW | SW | WSW | WSW | WSW | WSW | WSW | WSW | W | WNW | WNW | W | WSW | WSW | WSW | SW | SSW | S | S | | | 244(WSW) |
| Jul 11 | 10.5 | 9.6 | 9.8 | 9.4 | 9.9 | 10.8 | 13.5 | 17.1 | 17.2 | 16.4 | 24.2 | 21.8 | 25.5 | 27.5 | 28.5 | 26.6 | 21.6 | 21.3 | 22.6 | 17.2 | 16.5 | 14.6 | 9.8 | 11.9 | 9.4 | 28.5 | 17.2 |
| | SSW | S | S | S | S | S | SSW | SSW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | SW | SW | WSW | | | 234(SW) |
| Jul 12 | 11.4 | 10.3 | 9.0 | 10.2 | 11.4 | 11.0 | 7.2 | 9.2 | 13.0 | 14.9 | 15.0 | 16.9 | 17.2 | 18.8 | 18.2 | 19.5 | 17.5 | 13.7 | 15.0 | 17.0 | 12.2 | 8.4 | 10.9 | 10.8 | 7.2 | 19.5 | 13.3 |
| | WSW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | W | W | WSW | WSW | WSW | WSW | | | 256(WSW) |
| Jul 13 | 7.7 | 6.0 | 5.3 | 6.3 | 5.9 | 4.6 | 4.1 | 2.6 | 4.6 | 9.5 | 8.0 | 6.3 | 6.0 | 8.2 | 8.8 | 10.9 | 10.7 | 8.0 | 3.8 | 1.8 | 2.9 | 1.4 | 2.5 | 3.1 | 1.4 | 10.9 | 5.8 |
| | WSW | W | WSW | SW | SW | SW | WSW | WSW | NNW | NNE | N | N | NNW | NNW | NW | NW | NW | NW | WSW | WSW | NW | NNE | NE | ENE | | | 310(NW) |
| Jul 14 | 4.0 | 5.8 | 4.6 | 4.7 | 3.8 | 7.1 | 5.0 | 5.5 | 5.6 | 5.7 | 8.1 | 8.7 | 10.1 | 10.2 | 10.6 | 8.2 | 9.3 | 9.4 | 8.1 | 4.8 | 2.2 | 2.6 | 2.7 | 2.2 | 2.2 | 10.6 | 6.2 |
| | ENE | ENE | ENE | ENE | NNE | N | NE | ENE | NNE | NNE | NNE | NNW | NNW | NW | NW | NW | NNW | NNW | NNW | NNE | NE | ENE | ENE | E | | | 6(N) |
| Jul 15 | 5.0 | 5.4 | 6.6 | 5.4 | 3.2 | 1.5 | 3.7 | 7.0 | 5.9 | 7.4 | 9.1 | 7.3 | 9.4 | 10.4 | 11.3 | 9.3 | 9.4 | 7.0 | 6.5 | 6.3 | 3.8 | 5.6 | 6.3 | 5.4 | 1.5 | 11.3 | 6.6 |
| | ESE | ESE | ESE | ESE | ESE | SE | SE | SSE | S | SSW | S | SSW | SSW | SW | SSW | SSW | SSW | SSW | SSW | S | SE | SE | SE | SE | | | 179(S) |
| Jul 16 | 4.9 | 5.7 | 4.7 | 5.3 | 4.8 | 4.3 | 4.5 | 4.7 | 4.0 | 5.3 | 7.2 | 5.5 | 6.4 | 7.7 | 9.0 | 10.6 | 10.5 | 9.3 | 9.5 | 7.1 | 3.8 | 1.7 | 1.8 | 4.9 | 1.7 | 10.6 | 6.0 |
| | SE | SE | ESE | ESE | ESE | ENE | ENE | ENE | ENE | E | ENE | E | E | ESE | ESE | ESE | SE | SE | SE | ESE | ESE | ESE | ESE | SE | | | 109(ESE) |
| Jul 17 | 4.1 | 4.3 | 4.8 | 4.5 | 2.4 | 1.2 | 1.7 | 1.4 | 2.8 | 2.6 | 4.8 | 7.5 | 6.8 | 7.7 | 8.9 | 6.4 | 8.4 | 7.6 | 8.8 | 7.0 | 0.6 | 3.2 | 5.5 | 5.1 | 0.6 | 8.9 | 4.9 |
| | ESE | ESE | E | ENE | ENE | NE | E | SE | WSW | WSW | W | SSE | S | SSW | S | S | S | S | SSE | S | ESE | ESE | SE | SE | | | 163(SSE) |
| Jul 18 | 6.0 | 8.0 | 7.4 | 7.4 | 6.9 | 6.9 | 6.8 | 6.7 | 9.5 | 13.9 | 14.1 | 13.6 | 14.4 | 13.7 | 12.6 | 10.2 | 11.6 | 11.0 | 14.3 | 11.8 | 5.1 | 1.2 | 2.6 | 5.9 | 1.2 | 14.4 | 9.2 |
| | SE | SE | SE | SE | ESE | ESE | SE | SE | SE | SE | SE | SE | SE | SSE | SSE | SE | SE | SE | SE | SE | SE | SSE | SE | SSE | | | 139(SE) |
| Jul 19 | 5.2 | 3.5 | 3.7 | 3.2 | 0.8 | 1.6 | 4.0 | 3.1 | 1.6 | 4.9 | 8.5 | 6.7 | 7.0 | 5.3 | 4.3 | 3.4 | 5.4 | 7.6 | 13.8 | 15.1 | 12.9 | 10.7 | 5.7 | 4.1 | 0.8 | 15.1 | 5.9 |
| | SE | ESE | ESE | E | E | E | ENE | E | E | SE | SE | SSE | SE | E | ESE | E | SSE | SSE | S | SSW | SSW | SW | SW | SSW | | | 157(SSE) |
| Jul 20 | 1.6 | 2.0 | 1.2 | 4.1 | 2.3 | 3.7 | 3.0 | 5.0 | 5.6 | 5.5 | 8.4 | 8.2 | 8.5 | 8.1 | 11.4 | 14.5 | 19.3 | 12.3 | 7.6 | 8.0 | 10.9 | 12.9 | 13.8 | 12.8 | 1.2 | 19.3 | 7.9 |
| | SW | E | SE | SE | SE | SSE | SW | SW | SW | WSW | W | W | WSW | WSW | WSW | NW | N | N | NNW | N | N | N | N | N | | | 321(NW) |
| Jul 21 | 11.1 | 9.7 | 8.7 | 8.5 | 8.8 | 6.8 | 6.3 | 6.6 | 5.2 | 4.0 | 3.7 | 9.1 | 8.8 | 8.5 | 8.2 | 7.5 | 6.3 | 7.4 | 7.3 | 3.5 | 0.7 | 0.7 | 0.7 | 1.9 | 0.7 | 11.1 | 6.3 |
| | N | N | N | N | N | N | N | NNE | N | NNW | NNW | NNW | NW | NNW | NNW | NNW | NW | NNW | NNW | N | NE | ESE | ESE | ENE | | | 348(NNW) |
| Jul 22 | 3.9 | 1.4 | 1.7 | 4.4 | 6.1 | 3.4 | 5.0 | 5.6 | 8.6 | 9.0 | 11.3 | 10.4 | 6.6 | 8.8 | 8.8 | 7.0 | 8.9 | 6.0 | 6.4 | 5.2 | 2.2 | 1.4 | 3.0 | 2.4 | 1.4 | 11.3 | 5.7 |
| | ENE | ENE | SE | SE | SE | SE | SSE | SSW | SW | SW | WSW | WSW | SW | SSW | SSW | SSW | WSW | SW | SSW | S | SSW | ESE | ESE | ESE | | | 206(SSW) |
| Jul 23 | 4.3 | 7.2 | 7.9 | 7.2 | 8.0 | 7.5 | 2.7 | 5.0 | 7.0 | 6.6 | 6.7 | 8.5 | 11.1 | 8.3 | 7.6 | 7.8 | 9.3 | 9.8 | 9.7 | 5.7 | 3.1 | 3.6 | 3.5 | 3.5 | 2.7 | 11.1 | 6.7 |
| | ESE | SE | SE | SE | ESE | ESE | S | SSE | S | SSE | SSE | SSW | S | SSE | SE | S | S | S | S | S | ESE | ESE | ESE | ESE | | | 158(SSE) |
| Jul 24 | 3.5 | 3.2 | 3.9 | 5.2 | 5.2 | 5.3 | 5.5 | 5.7 | 7.6 | 13.1 | 13.9 | 17.3 | 16.8 | 20.4 | 19.6 | 18.2 | 19.0 | 15.1 | 16.9 | 18.2 | 13.6 | 6.4 | 2.5 | 4.8 | 2.5 | 20.4 | 10.9 |
| | ESE | E | E | SE | SE | SE | ESE | SE | SSE | S | S | SW | WSW | WSW | WSW | WSW | NW | WNW | W | WSW | WNW | WNW | SSW | SW | | | 244(WSW) |
| Jul 25 | 7.8 | 6.0 | 6.2 | 5.9 | 6.3 | 6.6 | 8.4 | 8.2 | 9.9 | 10.4 | 10.0 | 14.7 | 13.5 | 12.8 | 12.5 | 13.2 | 7.4 | 7.6 | 7.5 | 2.8 | 0.7 | 0.5 | 0.9 | 0.9 | 0.5 | 14.7 | 7.5 |
| | SW | SW | SW | SW | WSW | WSW | WSW | W | W | WNW | NW | NW | NW | NW | WNW | NW | NW | W | W | NW | W | WSW | W | NW | | | 287(WNW) |
| Jul 26 | 0.5 | **0.1** | 0.7 | 1.3 | 0.3 | 0.2 | 0.5 | 3.7 | 4.0 | 6.9 | 9.3 | 6.7 | 5.1 | 5.0 | 8.2 | 8.2 | 9.3 | 6.3 | 7.2 | 7.1 | 6.1 | 5.8 | 5.9 | 6.7 | **0.1** | 9.3 | 4.8 |
| | SSE | W | SSW | WSW | WNW | SE | S | WSW | W | W | W | W | W | NNW | S | WNW | NW | NNW | NW | N | N | N | N | NNE | | | 310(NW) |
| Jul 27 | 3.7 | 3.4 | 4.1 | 4.6 | 3.6 | 6.1 | 6.6 | 6.1 | 8.2 | 6.3 | 7.9 | 7.0 | 5.8 | 7.9 | 7.2 | 7.4 | 8.8 | 6.8 | 6.9 | 4.2 | 0.8 | 1.8 | 2.1 | 3.1 | 0.8 | 8.8 | 5.4 |
| | NNE | NNE | NNE | N | N | N | N | NNW | NNE | NNE | NNE | NE | NNE | N | N | N | N | NNW | NW | NNW | ENE | ENE | E | ESE | | | 7(N) |
| Jul 28 | 4.6 | 2.9 | 3.4 | 6.6 | 3.1 | 2.1 | 1.6 | 3.1 | 2.7 | 7.7 | 8.1 | 5.9 | 7.4 | 2.7 | 1.6 | 4.8 | 2.5 | 0.2 | 1.0 | 0.6 | 0.7 | 1.5 | 5.5 | 7.1 | 0.2 | 8.1 | **3.6** |
| | ESE | ESE | SE | SE | SSE | SSE | SE | SSE | SW | SW | SW | SSW | W | SW | WNW | WSW | SW | SE | SW | S | ESE | ESE | SE | SE | | | 188(S) |
| Jul 29 | 7.1 | 5.8 | 5.0 | 0.8 | 2.1 | 2.8 | 5.6 | 9.0 | 8.7 | 7.8 | 10.5 | 9.1 | 7.9 | 7.3 | 3.8 | 7.0 | 4.8 | 3.9 | 5.0 | 5.0 | 2.5 | 3.6 | 8.7 | 11.5 | 0.8 | 11.5 | 6.1 |
| | SE | SE | SE | SE | SE | SE | SSE | SSW | SW | S | SSW | SSW | SW | SSW | SSW | SSW | SW | SW | SSW | S | SE | SE | SSE | SSE | | | 183(S) |
| Jul 30 | 10.7 | 10.8 | 2.4 | **0.1** | 0.7 | 5.4 | 5.5 | 5.7 | 5.2 | 6.2 | 7.2 | 8.3 | 8.7 | 6.3 | 7.2 | 5.2 | 4.0 | 4.9 | 5.8 | 1.7 | 0.2 | 1.1 | 4.4 | 3.3 | **0.1** | 10.8 | 5.0 |
| | SSE | SSE | SSW | NNE | SE | SSE | SSE | S | S | SW | SW | SW | SSW | SW | SW | SW | SW | W | WSW | WSW | E | E | ESE | ESE | | | 196(SSW) |
| Jul 31 | 4.0 | 5.7 | 4.0 | 4.0 | 6.8 | 3.7 | 4.1 | 5.1 | 6.5 | 6.3 | 7.9 | 8.7 | 9.6 | 8.0 | 8.3 | 7.4 | 8.1 | 6.4 | 11.4 | 8.2 | 6.4 | 5.3 | 11.2 | 4.5 | 3.7 | 11.4 | 6.7 |
| | ESE | ESE | ESE | ESE | ESE | E | ESE | SE | SSE | SSE | SSE | SE | SSE | S | S | SSE | SSE | SSE | SSE | SE | SE | S | WSW | W | | | 153(SSE) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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) | | | | | |

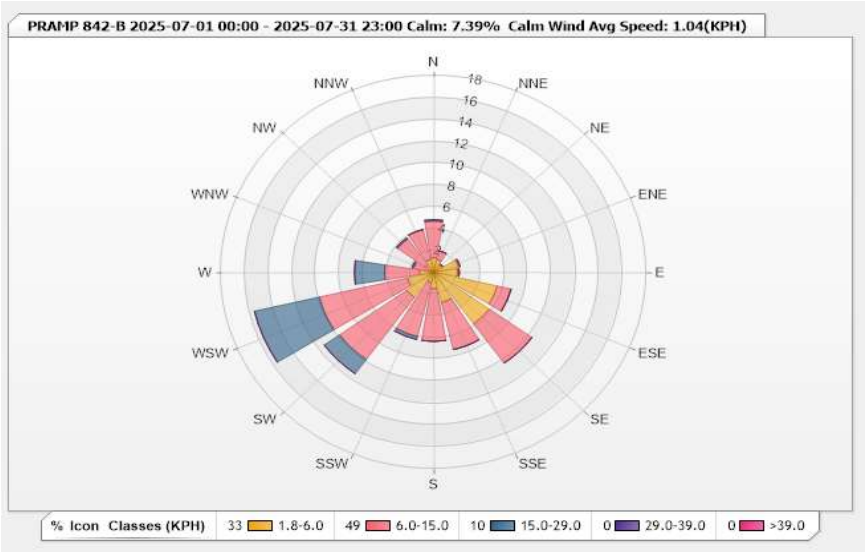
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

**Station: PRAMP 842-B  Monitor: WDS [KPH]  Monthly: 07-2025**

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

Calm (WS<1.8kph): 7.39%  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 | 1.34 | 3.36 | 0.13 | 0 | 0 | 4.83 |
| NNE | 1.21 | 0.81 | 0 | 0 | 0 | 2.02 |
| NE | 0.81 | 0.13 | 0 | 0 | 0 | 0.94 |
| ENE | 2.15 | 0.13 | 0 | 0 | 0 | 2.28 |
| E | 2.02 | 0.13 | 0 | 0 | 0 | 2.15 |
| ESE | 5.51 | 1.21 | 0 | 0 | 0 | 6.72 |
| SE | 5.78 | 4.44 | 0 | 0 | 0 | 10.22 |
| SSE | 2.82 | 4.44 | 0 | 0 | 0 | 7.26 |
| S | 1.48 | 4.84 | 0 | 0 | 0 | 6.32 |
| SSW | 0.94 | 5.11 | 0.27 | 0 | 0 | 6.32 |
| SW | 2.82 | 6.99 | 1.61 | 0 | 0 | 11.42 |
| WSW | 2.28 | 7.66 | 5.65 | 0 | 0 | 15.59 |
| W | 1.21 | 2.96 | 2.55 | 0 | 0 | 6.72 |
| WNW | 0.27 | 1.48 | 0.13 | 0 | 0 | 1.88 |
| NW | 0.81 | 2.96 | 0.13 | 0 | 0 | 3.9 |
| NNW | 1.21 | 2.82 | 0 | 0 | 0 | 4.03 |
| Summary | 32.66 | 49.47 | 10.47 | 0 | 0 | 92.6 |



# RENO -B STATION

## *Peace River Area Monitoring Program*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

### SULPHUR DIOXIDE ($SO_2$) in ppb

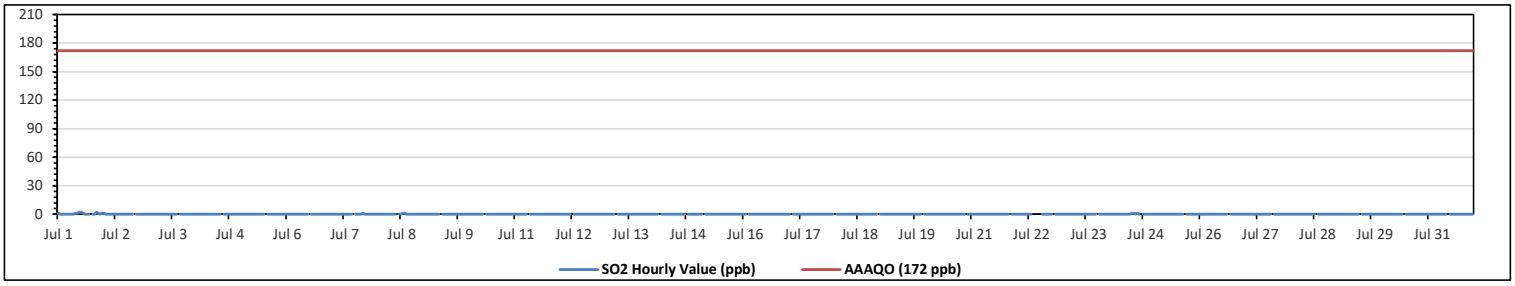
**Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb**

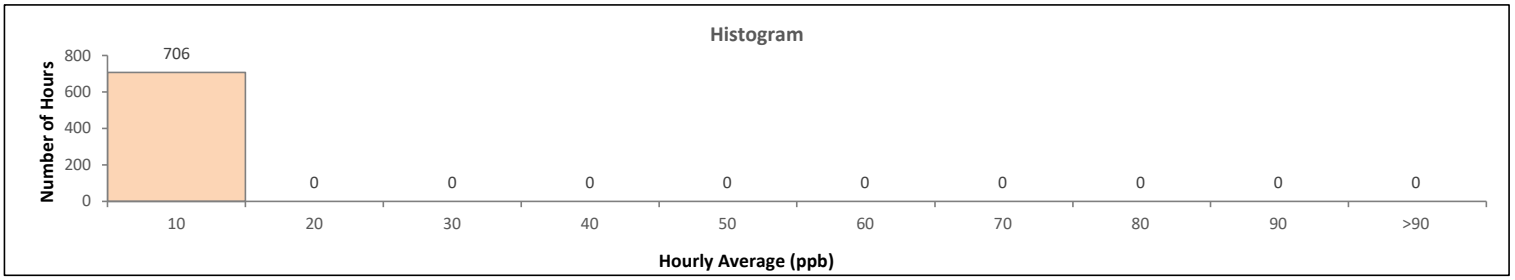
| | | | | | | |
|---|---|---|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | Number of 24-Hour Exceedances: | 0 | 30-Day Exceedence: | 0 | |
| Maximum Hourly Value: | 2 | ppb | on Jul 1 at hr 11 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.5 | ppb | on Jul 1 | Hours of Data: | 706 | |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 1 | Hours of Missing Data: | 1 | |
| Minimum Daily Value: | 0.0 | ppb | on Jul 3 | Hours of Calibration: | 37 | |
| Monthly Average: | 0.0 | ppb | | 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 | | | |
| Jul 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | S | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 2 | 0.5 |
| Jul 2 | 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 | 1 | 0.0 |
| Jul 3 | 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 |
| Jul 4 | 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 |
| Jul 5 | 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 |
| Jul 6 | 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 |
| Jul 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 9 | 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 |
| Jul 10 | 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 |
| Jul 11 | 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 |
| Jul 12 | 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 |
| Jul 13 | 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 |
| Jul 14 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NRM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| Jul 15 | 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 |
| Jul 16 | 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 |
| Jul 17 | 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 |
| Jul 18 | 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 |
| Jul 19 | 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 |
| Jul 20 | 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 |
| Jul 21 | 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 |
| Jul 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C | C | C | C | C | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| Jul 23 | 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 |
| Jul 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 25 | 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 |
| Jul 26 | 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 |
| Jul 27 | 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 |
| Jul 28 | 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 |
| Jul 29 | 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 |
| Jul 30 | 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 |
| Jul 31 | 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 |
| Diurnal Maximum | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| Diurnal Average | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 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.



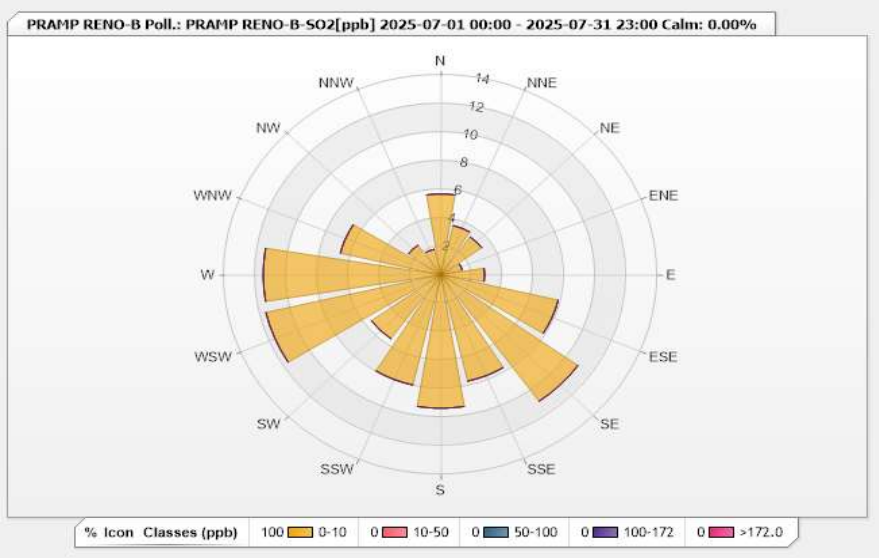



**Station: PRAMP RENO-B Poll.: PRAMP RENO-B-SO2[ppb]  Monthly: 07-2025**

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

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

| Direction | 0-10 | 10-50 | 50-100 | 100-172 | >172.0 | Total |
|---|---|---|---|---|---|---|
| N | 5.67 | 0 | 0 | 0 | 0 | 5.67 |
| NNE | 3.54 | 0 | 0 | 0 | 0 | 3.54 |
| NE | 3.26 | 0 | 0 | 0 | 0 | 3.26 |
| ENE | 1.42 | 0 | 0 | 0 | 0 | 1.42 |
| E | 2.83 | 0 | 0 | 0 | 0 | 2.83 |
| ESE | 7.79 | 0 | 0 | 0 | 0 | 7.79 |
| SE | 10.91 | 0 | 0 | 0 | 0 | 10.91 |
| SSE | 7.65 | 0 | 0 | 0 | 0 | 7.65 |
| S | 9.35 | 0 | 0 | 0 | 0 | 9.35 |
| SSW | 7.93 | 0 | 0 | 0 | 0 | 7.93 |
| SW | 5.52 | 0 | 0 | 0 | 0 | 5.52 |
| WSW | 11.61 | 0 | 0 | 0 | 0 | 11.61 |
| W | 11.47 | 0 | 0 | 0 | 0 | 11.47 |
| WNW | 6.66 | 0 | 0 | 0 | 0 | 6.66 |
| NW | 2.55 | 0 | 0 | 0 | 0 | 2.55 |
| NNW | 1.84 | 0 | 0 | 0 | 0 | 1.84 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***Reno-B Station - July 2025***

**Summary of Hourly Averages**

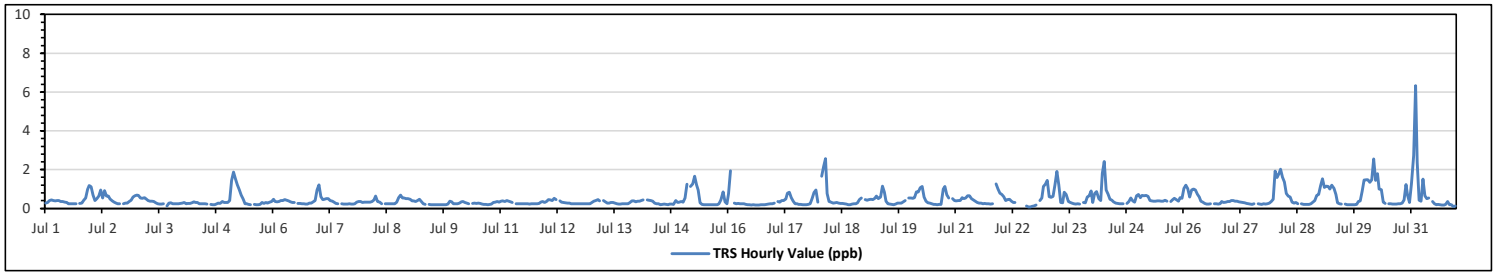
**TOTAL REDUCED SULPHUR (TRS) in ppb**

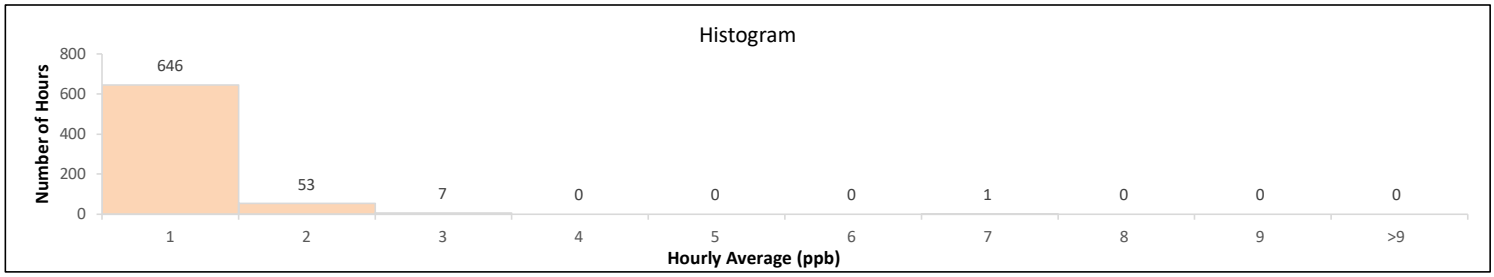
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 6.33 | ppb | on Jul 31 at hr 2 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.84 | ppb | on Jul 31 | Hours of Data: | 707 |
| Minimum Hourly Value: | 0.08 | ppb | on Jul 22 at hr 14 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 0.26 | ppb | on Jul 4 | Hours of Calibration: | 37 |
| Monthly Average: | 0.46 | 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 | | | |
| Jul 1 | 0.27 | 0.3 | 0.4 | 0.44 | 0.41 | 0.39 | 0.4 | 0.41 | 0.36 | 0.35 | 0.32 | 0.31 | 0.25 | 0.25 | 0.24 | 0.25 | 0.24 | S | 0.26 | 0.28 | 0.43 | 0.54 | 0.98 | 1.18 | 0.24 | 1.18 | 0.40 |
| Jul 2 | 1.11 | 0.68 | 0.4 | 0.5 | 0.63 | 0.96 | 0.53 | 0.92 | 0.63 | 0.64 | 0.49 | 0.39 | 0.33 | 0.28 | 0.25 | 0.25 | S | 0.25 | 0.28 | 0.27 | 0.36 | 0.43 | 0.6 | 0.65 | 0.25 | 1.11 | 0.51 |
| Jul 3 | 0.68 | 0.67 | 0.53 | 0.52 | 0.56 | 0.49 | 0.41 | 0.37 | 0.37 | 0.35 | 0.29 | 0.23 | 0.22 | 0.22 | 0.24 | S | 0.13 | 0.28 | 0.29 | 0.25 | 0.23 | 0.25 | 0.25 | 0.26 | 0.13 | 0.68 | 0.35 |
| Jul 4 | 0.27 | 0.3 | 0.25 | 0.26 | 0.26 | 0.29 | 0.34 | 0.3 | 0.31 | 0.25 | 0.23 | 0.23 | 0.23 | 0.22 | S | 0.21 | 0.19 | 0.2 | 0.22 | 0.28 | 0.26 | 0.35 | 0.3 | 0.3 | 0.19 | 0.35 | 0.26 |
| Jul 5 | 0.31 | 0.41 | 1.45 | 1.87 | 1.53 | 1.21 | 0.97 | 0.69 | 0.49 | 0.25 | 0.25 | 0.21 | 0.19 | S | 0.21 | 0.18 | 0.18 | 0.21 | 0.31 | 0.26 | 0.3 | 0.27 | 0.33 | 0.36 | 0.18 | 1.87 | 0.54 |
| Jul 6 | 0.48 | 0.35 | 0.34 | 0.36 | 0.4 | 0.42 | 0.45 | 0.43 | 0.39 | 0.34 | 0.31 | 0.3 | S | 0.26 | 0.26 | 0.24 | 0.23 | 0.22 | 0.22 | 0.27 | 0.28 | 0.34 | 0.4 | 0.96 | 0.22 | 0.96 | 0.36 |
| Jul 7 | 1.22 | 0.61 | 0.46 | 0.48 | 0.5 | 0.5 | 0.41 | 0.37 | 0.32 | 0.26 | 0.23 | S | 0.23 | 0.22 | 0.22 | 0.22 | 0.23 | 0.22 | 0.22 | 0.23 | 0.33 | 0.35 | 0.36 | 0.31 | 0.22 | 1.22 | 0.37 |
| Jul 8 | 0.32 | 0.32 | 0.32 | 0.33 | 0.36 | 0.44 | 0.63 | 0.35 | 0.32 | 0.25 | S | 0.25 | 0.23 | 0.24 | 0.24 | 0.24 | 0.24 | 0.32 | 0.56 | 0.68 | 0.53 | 0.53 | 0.5 | 0.5 | 0.23 | 0.68 | 0.38 |
| Jul 9 | 0.47 | 0.39 | 0.39 | 0.35 | 0.4 | 0.47 | 0.36 | 0.25 | 0.21 | S | 0.21 | 0.19 | 0.18 | 0.18 | 0.18 | 0.19 | 0.18 | 0.19 | 0.19 | 0.18 | 0.22 | 0.37 | 0.34 | 0.24 | 0.18 | 0.47 | 0.28 |
| Jul 10 | 0.23 | 0.23 | 0.28 | 0.34 | 0.36 | 0.3 | 0.27 | 0.24 | S | 0.26 | 0.27 | 0.26 | 0.28 | 0.26 | 0.22 | 0.21 | 0.21 | 0.2 | 0.21 | 0.22 | 0.31 | 0.32 | 0.35 | 0.33 | 0.20 | 0.36 | 0.27 |
| Jul 11 | 0.37 | 0.39 | 0.36 | 0.41 | 0.37 | 0.34 | 0.31 | S | 0.25 | 0.23 | 0.23 | 0.24 | 0.24 | 0.23 | 0.23 | 0.22 | 0.23 | 0.23 | 0.24 | 0.23 | 0.26 | 0.32 | 0.35 | 0.3 | 0.22 | 0.41 | 0.29 |
| Jul 12 | 0.36 | 0.46 | 0.44 | 0.41 | 0.52 | 0.46 | S | 0.39 | 0.33 | 0.31 | 0.29 | 0.28 | 0.27 | 0.25 | 0.25 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | 0.25 | 0.25 | 0.24 | 0.23 | 0.23 | 0.52 | 0.31 |
| Jul 13 | 0.31 | 0.38 | 0.41 | 0.46 | 0.39 | S | 0.42 | 0.34 | 0.28 | 0.27 | 0.3 | 0.3 | 0.27 | 0.25 | 0.22 | 0.22 | 0.23 | 0.23 | 0.23 | 0.24 | 0.3 | 0.39 | 0.39 | 0.34 | 0.22 | 0.46 | 0.31 |
| Jul 14 | 0.38 | 0.38 | 0.4 | 0.44 | S | 0.44 | 0.43 | 0.4 | 0.37 | 0.27 | 0.24 | 0.23 | 0.2 | 0.21 | 0.22 | 0.21 | 0.2 | 0.22 | 0.22 | 0.21 | 0.41 | 0.31 | 0.32 | 0.36 | 0.20 | 0.44 | 0.31 |
| Jul 15 | 0.33 | 0.53 | 1.25 | S | 1.13 | 1.26 | 1.66 | 1.22 | 0.94 | 0.29 | 0.21 | 0.19 | 0.19 | 0.18 | 0.19 | 0.19 | 0.19 | 0.19 | 0.18 | 0.24 | 0.44 | 0.86 | 0.34 | 0.23 | 0.18 | 1.66 | 0.54 |
| Jul 16 | 0.76 | 1.94 | S | 0.27 | 0.24 | 0.26 | 0.25 | 0.23 | 0.24 | 0.21 | 0.19 | 0.18 | 0.17 | 0.18 | 0.17 | 0.17 | 0.17 | 0.18 | 0.18 | 0.2 | 0.21 | 0.22 | 0.23 | 0.24 | 0.17 | 1.94 | 0.31 |
| Jul 17 | 0.28 | S | 0.36 | 0.32 | 0.42 | 0.41 | 0.49 | 0.79 | 0.83 | 0.55 | 0.37 | 0.25 | 0.24 | 0.21 | 0.21 | 0.19 | 0.2 | 0.2 | 0.21 | 0.25 | 0.5 | 0.81 | 0.95 | 0.33 | 0.19 | 0.95 | 0.41 |
| Jul 18 | S | 1.67 | 2.15 | 2.57 | 0.78 | 0.35 | 0.33 | 0.28 | 0.29 | 0.3 | 0.27 | 0.26 | 0.26 | 0.23 | 0.22 | 0.2 | 0.2 | 0.22 | 0.23 | 0.25 | 0.29 | 0.46 | 0.54 | S | 0.20 | 2.57 | 0.56 |
| Jul 19 | 0.45 | 0.43 | 0.45 | 0.47 | 0.45 | 0.52 | 0.63 | 0.51 | 0.59 | 1.15 | 0.84 | 0.37 | 0.24 | 0.22 | 0.21 | 0.2 | 0.22 | 0.27 | 0.27 | 0.28 | 0.34 | 0.4 | S | 0.53 | 0.20 | 1.15 | 0.44 |
| Jul 20 | 0.53 | 0.52 | 0.55 | 0.85 | 0.85 | 1.06 | 1.13 | 0.59 | 0.38 | 0.29 | 0.28 | 0.23 | 0.21 | 0.21 | 0.2 | 0.21 | 0.21 | 1.01 | 1.14 | 0.7 | 0.53 | S | 0.5 | 0.41 | 0.20 | 1.14 | 0.55 |
| Jul 21 | 0.39 | 0.41 | 0.41 | 0.55 | 0.51 | 0.53 | 0.65 | 0.65 | 0.5 | 0.44 | 0.38 | 0.31 | 0.28 | 0.27 | 0.25 | 0.26 | 0.23 | 0.23 | 0.22 | 0.24 | S | 1.26 | 1 | 0.79 | 0.22 | 1.26 | 0.47 |
| Jul 22 | 0.73 | 0.61 | 0.4 | 0.46 | 0.47 | 0.37 | 0.31 | 0.3 | C | C | C | C | C | 0.13 | 0.08 | 0.08 | 0.11 | 0.13 | 0.17 | S | 0.4 | 0.54 | 1.12 | 1.24 | 0.08 | 1.24 | 0.43 |
| Jul 23 | 1.44 | 0.61 | 0.57 | 0.62 | 1.21 | 1.91 | 1.22 | 0.3 | 0.29 | 0.84 | 0.72 | 0.36 | 0.31 | 0.27 | 0.25 | 0.22 | 0.24 | 0.22 | S | 0.3 | 0.29 | 0.6 | 0.66 | 0.89 | 0.22 | 1.91 | 0.62 |
| Jul 24 | 0.31 | 0.77 | 0.87 | 0.51 | 0.42 | 1.81 | 2.43 | 0.96 | 0.74 | 0.47 | 0.43 | 0.34 | 0.27 | 0.26 | 0.24 | 0.24 | 0.23 | S | 0.26 | 0.36 | 0.54 | 0.39 | 0.32 | 0.66 | 0.23 | 2.43 | 0.60 |
| Jul 25 | 0.73 | 0.55 | 0.67 | 0.66 | 0.67 | 0.62 | 0.4 | 0.39 | 0.37 | 0.38 | 0.39 | 0.39 | 0.37 | 0.38 | 0.43 | 0.38 | S | 0.36 | 0.44 | 0.52 | 0.46 | 0.38 | 0.55 | 0.52 | 0.36 | 0.73 | 0.48 |
| Jul 26 | 1.04 | 1.2 | 1.02 | 0.58 | 0.94 | 1 | 0.96 | 0.74 | 0.58 | 0.38 | 0.33 | 0.26 | 0.22 | 0.22 | 0.23 | S | 0.25 | 0.24 | 0.22 | 0.25 | 0.35 | 0.31 | 0.32 | 0.36 | 0.22 | 1.20 | 0.52 |
| Jul 27 | 0.35 | 0.4 | 0.4 | 0.37 | 0.37 | 0.34 | 0.32 | 0.31 | 0.29 | 0.26 | 0.24 | 0.22 | 0.21 | 0.23 | S | 0.25 | 0.22 | 0.21 | 0.23 | 0.22 | 0.25 | 0.28 | 0.35 | 0.47 | 0.21 | 0.47 | 0.30 |
| Jul 28 | 1.92 | 1.59 | 1.8 | 2.03 | 1.61 | 1.36 | 0.76 | 0.64 | 0.58 | 0.32 | 0.28 | 0.3 | 0.23 | S | 0.23 | 0.21 | 0.21 | 0.21 | 0.21 | 0.23 | 0.33 | 0.42 | 0.67 | 0.71 | 0.21 | 2.03 | 0.73 |
| Jul 29 | 1.17 | 1.53 | 1.09 | 1.15 | 1.12 | 1.01 | 1.2 | 1.03 | 0.71 | 0.29 | 0.25 | 0.22 | S | 0.22 | 0.2 | 0.2 | 0.19 | 0.18 | 0.19 | 0.21 | 0.36 | 0.39 | 0.88 | 1.46 | 0.18 | 1.53 | 0.66 |
| Jul 30 | 1.49 | 1.49 | 1.34 | 1.49 | 2.54 | 1.44 | 1.79 | 1 | 0.97 | 0.33 | 0.26 | S | 0.25 | 0.23 | 0.22 | 0.22 | 0.22 | 0.24 | 0.23 | 0.28 | 0.44 | 1.23 | 0.67 | 0.3 | 0.22 | 2.54 | 0.81 |
| Jul 31 | 1.26 | 2.74 | **6.33** | 2.37 | 0.43 | 0.38 | 1.51 | 0.65 | 0.51 | 0.54 | S | 0.35 | 0.25 | 0.2 | 0.21 | 0.2 | 0.17 | 0.17 | 0.21 | 0.35 | 0.2 | 0.18 | 0.09 | 0.13 | 0.09 | **6.33** | **0.84** |
| Diurnal Maximum | 1.92 | 2.74 | 6.33 | 2.57 | 2.54 | 1.91 | 2.43 | 1.22 | 0.97 | 1.15 | 0.84 | 0.39 | 0.37 | 0.38 | 0.43 | 0.38 | 0.25 | 1.01 | 1.14 | 0.70 | 0.54 | 1.26 | 1.12 | 1.46 | | | |
| Diurnal Average | 0.67 | 0.76 | 0.87 | 0.75 | 0.70 | 0.71 | 0.73 | 0.54 | 0.46 | 0.38 | 0.33 | 0.27 | 0.24 | 0.23 | 0.22 | 0.22 | 0.21 | 0.25 | 0.28 | 0.29 | 0.35 | 0.46 | 0.50 | 0.52 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 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:** 2

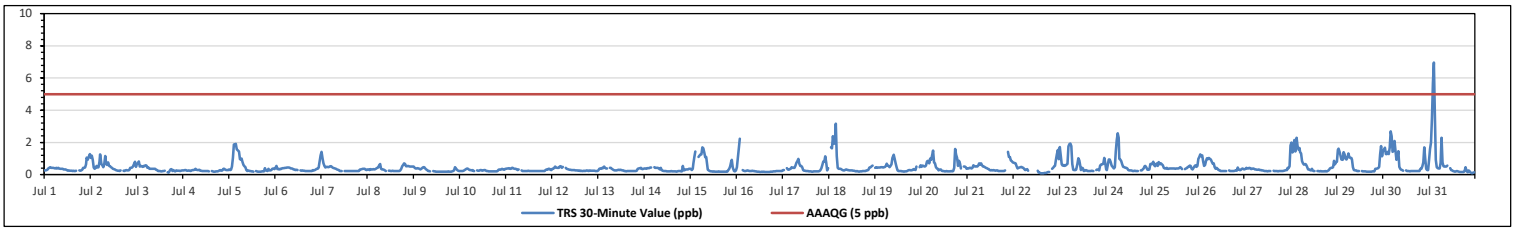
| | | | | | |
|---|---|---|---|---|---|
| Maximum 30-Minute Value: | 6.97 ppb | on Jul 31 at 02:30 | # of Instrument in Service | 1488 | |
| Maximum Daily Value: | 0.84 ppb | on Jul 31 | # of Valid Measurements | 1415 | |
| Minimum 30-Minute Value: | 0.08 ppb | Jul 22 at 14:30 | # of Missing Measurements: | 0 | |
| Minimum Daily Value: | 0.26 ppb | on Jul 4 | # of Calibration: | 73 | |
| Monthly Average: | 0.46 ppb | | Operational Uptime: | 100.0 | |

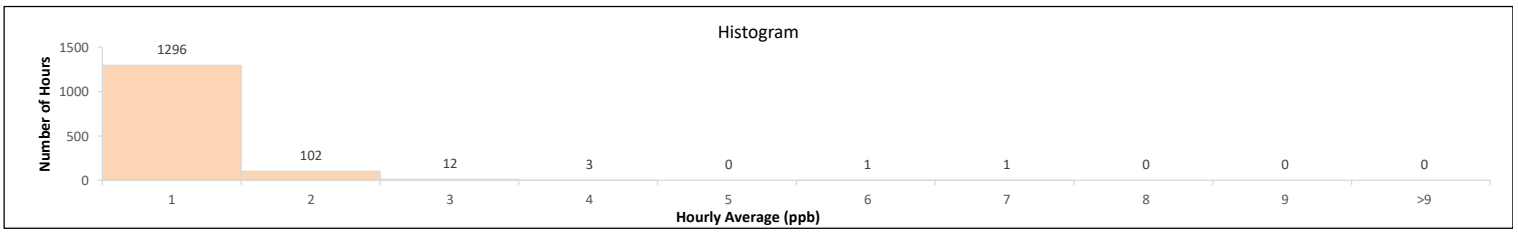
| 30-Minute Period Starting at (MST) | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 | Jul 27 | Jul 28 | Jul 29 | Jul 30 | Jul 31 | Diurnal Maximum | Diurnal Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 0.27 | 1.05 | 0.66 | 0.27 | 0.32 | 0.42 | 1.42 | 0.33 | 0.51 | 0.23 | 0.36 | 0.35 | 0.26 | 0.38 | 0.35 | 0.47 | 0.28 | S | 0.43 | 0.49 | 0.39 | 0.74 | 1.71 | 0.32 | 0.66 | 0.99 | 0.32 | 1.82 | 0.8 | 1.49 | 0.92 | 1.82 | 0.63 |
| 00:30 | 0.27 | 1.18 | 0.71 | 0.27 | 0.3 | 0.54 | 1.02 | 0.32 | 0.43 | 0.23 | 0.38 | 0.37 | 0.36 | 0.38 | 0.3 | 1.06 | 0.28 | S | 0.47 | 0.57 | 0.39 | 0.72 | 1.18 | 0.3 | 0.8 | 1.09 | 0.37 | 2.01 | 1.54 | 1.49 | 1.6 | 2.01 | 0.70 |
| 01:00 | 0.28 | 0.91 | 0.83 | 0.3 | 0.31 | 0.34 | 0.69 | 0.3 | 0.39 | 0.23 | 0.38 | 0.41 | 0.39 | 0.36 | 0.37 | 1.64 | S | 1.7 | 0.42 | 0.54 | 0.42 | 0.7 | 0.65 | 0.6 | 0.58 | 1.26 | 0.41 | 1.39 | 1.62 | 1.68 | 2 | 2.00 | 0.74 |
| 01:30 | 0.32 | 0.45 | 0.51 | 0.29 | 0.51 | 0.35 | 0.54 | 0.34 | 0.38 | 0.23 | 0.4 | 0.5 | 0.37 | 0.4 | 0.69 | 2.24 | S | 1.64 | 0.44 | 0.51 | 0.41 | 0.52 | 0.56 | 0.94 | 0.52 | 1.13 | 0.39 | 1.79 | 1.44 | 1.29 | 3.49 | 3.49 | 0.79 |
| 02:00 | 0.38 | 0.37 | 0.55 | 0.25 | 1.04 | 0.32 | 0.44 | 0.32 | 0.4 | 0.25 | 0.36 | 0.45 | 0.42 | 0.4 | 1.09 | S | 0.4 | 2.39 | 0.44 | 0.52 | 0.39 | 0.39 | 0.61 | 0.95 | 0.66 | 1.21 | 0.39 | 2.15 | 1.2 | 1.28 | 5.69 | 5.69 | 0.86 |
| 02:30 | 0.42 | 0.43 | 0.52 | 0.25 | 1.87 | 0.36 | 0.48 | 0.32 | 0.38 | 0.3 | 0.37 | 0.42 | 0.4 | 0.4 | 1.43 | S | 0.33 | 1.92 | 0.45 | 0.58 | 0.43 | 0.41 | 0.54 | 0.79 | 0.69 | 0.83 | 0.41 | 1.45 | 0.95 | 1.41 | **6.97** | 6.97 | 0.88 |
| 03:00 | 0.46 | 0.55 | 0.49 | 0.27 | 1.83 | 0.34 | 0.49 | 0.34 | 0.37 | 0.33 | 0.41 | 0.41 | 0.5 | 0.45 | S | 0.3 | 0.31 | 1.98 | 0.47 | 0.83 | 0.58 | 0.45 | 0.59 | 0.57 | 0.54 | 0.55 | 0.4 | 2.28 | 0.91 | 1.29 | 3.8 | 3.80 | 0.77 |
| 03:30 | 0.41 | 0.44 | 0.54 | 0.25 | 1.91 | 0.38 | 0.47 | 0.33 | 0.33 | 0.35 | 0.41 | 0.42 | 0.42 | 0.44 | S | 0.25 | 0.34 | 3.17 | 0.47 | 0.86 | 0.52 | 0.47 | 0.65 | 0.46 | 0.78 | 0.6 | 0.34 | 1.78 | 1.4 | 1.68 | 0.93 | 3.17 | 0.73 |
| 04:00 | 0.41 | 0.46 | 0.53 | 0.24 | 1.57 | 0.4 | 0.49 | 0.34 | 0.38 | 0.39 | 0.38 | 0.52 | 0.39 | S | 1.09 | 0.24 | 0.37 | 1.16 | 0.45 | 0.7 | 0.5 | 0.49 | 0.67 | 0.39 | 0.65 | 0.86 | 0.35 | 1.56 | 1.27 | 2.69 | 0.46 | 2.69 | 0.68 |
| 04:30 | 0.42 | 0.81 | 0.59 | 0.27 | 1.49 | 0.4 | 0.52 | 0.38 | 0.41 | 0.33 | 0.36 | 0.52 | 0.39 | S | 1.18 | 0.24 | 0.47 | 0.41 | 0.46 | 1 | 0.53 | 0.45 | 1.76 | 0.46 | 0.7 | 1.02 | 0.39 | 1.67 | 0.97 | 2.39 | 0.4 | 2.39 | 0.71 |
| 05:00 | 0.4 | 1.26 | 0.56 | 0.29 | 1.45 | 0.41 | 0.53 | 0.43 | 0.47 | 0.3 | 0.36 | 0.43 | S | 0.47 | 1.27 | 0.25 | 0.42 | 0.35 | 0.48 | 0.91 | 0.5 | 0.41 | 1.89 | 1.46 | 0.65 | 0.96 | 0.36 | 1.4 | 0.95 | 1.41 | 0.39 | 1.89 | 0.71 |
| 05:30 | 0.38 | 0.67 | 0.43 | 0.3 | 0.96 | 0.42 | 0.46 | 0.44 | 0.47 | 0.3 | 0.33 | 0.48 | S | 0.42 | 1.25 | 0.27 | 0.41 | 0.35 | 0.57 | 1.21 | 0.56 | 0.34 | 1.93 | 2.15 | 0.59 | 1.04 | 0.33 | 1.31 | 1.07 | 1.47 | 0.38 | 2.15 | 0.71 |
| 06:00 | 0.42 | 0.59 | 0.45 | 0.31 | 0.94 | 0.45 | 0.42 | 0.59 | 0.39 | 0.27 | 0.3 | S | 0.43 | 0.42 | 1.69 | 0.25 | 0.42 | 0.35 | 0.68 | 1.5 | 0.69 | 0.3 | 1.78 | 2.58 | 0.42 | 0.98 | 0.33 | 0.84 | 1.33 | 2.09 | 0.73 | 2.58 | 0.76 |
| 06:30 | 0.38 | 0.46 | 0.36 | 0.37 | 1 | 0.44 | 0.4 | 0.67 | 0.33 | 0.28 | 0.33 | S | 0.41 | 0.43 | 1.63 | 0.24 | 0.57 | 0.32 | 0.57 | 0.77 | 0.62 | 0.31 | 0.66 | 2.28 | 0.38 | 0.94 | 0.31 | 0.69 | 1.07 | 1.49 | 2.29 | 2.29 | 0.70 |
| 07:00 | 0.43 | 0.66 | 0.37 | 0.31 | 0.78 | 0.45 | 0.38 | 0.37 | 0.28 | 0.24 | S | 0.41 | 0.36 | 0.42 | 1.38 | 0.23 | 0.74 | 0.29 | 0.55 | 0.7 | 0.7 | 0.34 | 0.31 | 0.99 | 0.38 | 0.8 | 0.31 | 0.62 | 1.04 | 0.91 | 0.77 | 1.38 | 0.55 |
| 07:30 | 0.39 | 1.17 | 0.37 | 0.29 | 0.61 | 0.41 | 0.37 | 0.33 | 0.23 | 0.23 | S | 0.37 | 0.33 | 0.38 | 1.07 | 0.23 | 0.84 | 0.27 | 0.47 | 0.47 | 0.59 | 0.25 | 0.28 | 0.94 | 0.41 | 0.68 | 0.32 | 0.67 | 1.03 | 1.1 | 0.53 | 1.17 | 0.52 |
| 08:00 | 0.37 | 0.66 | 0.37 | 0.3 | 0.52 | 0.39 | 0.33 | 0.32 | 0.22 | S | 0.27 | 0.34 | 0.29 | 0.33 | 1.1 | 0.25 | 0.97 | 0.27 | 0.55 | 0.39 | 0.51 | C | 0.28 | 0.84 | 0.37 | 0.69 | 0.3 | 0.64 | 0.94 | 1.46 | 0.51 | 1.46 | 0.51 |
| 08:30 | 0.35 | 0.6 | 0.36 | 0.31 | 0.46 | 0.39 | 0.31 | 0.31 | 0.21 | S | 0.22 | 0.32 | 0.26 | 0.41 | 0.78 | 0.24 | 0.68 | 0.31 | 0.63 | 0.37 | 0.5 | C | 0.31 | 0.63 | 0.37 | 0.46 | 0.29 | 0.52 | 0.47 | 0.49 | 0.51 | 0.78 | 0.42 |
| 09:00 | 0.35 | 0.75 | 0.35 | 0.25 | 0.28 | 0.36 | 0.28 | 0.26 | S | 0.27 | 0.23 | 0.31 | 0.26 | 0.28 | 0.31 | 0.22 | 0.55 | 0.32 | 1.05 | 0.27 | 0.47 | C | 0.67 | 0.48 | 0.38 | 0.35 | 0.27 | 0.32 | 0.3 | 0.35 | 0.51 | 1.05 | 0.38 |
| 09:30 | 0.35 | 0.54 | 0.35 | 0.25 | 0.22 | 0.32 | 0.23 | 0.24 | S | 0.25 | 0.22 | 0.31 | 0.27 | 0.25 | 0.27 | 0.21 | 0.55 | 0.28 | 1.24 | 0.31 | 0.41 | C | 1.02 | 0.47 | 0.38 | 0.41 | 0.26 | 0.32 | 0.27 | 0.31 | 0.57 | 1.24 | 0.38 |
| 10:00 | 0.33 | 0.53 | 0.31 | 0.24 | 0.26 | 0.33 | 0.24 | S | 0.23 | 0.25 | 0.23 | 0.28 | 0.29 | 0.24 | 0.22 | 0.2 | 0.46 | 0.28 | 0.99 | 0.32 | 0.4 | C | 0.88 | 0.43 | 0.38 | 0.36 | 0.25 | 0.3 | 0.26 | 0.28 | S | 0.99 | 0.35 |
| 10:30 | 0.32 | 0.46 | 0.28 | 0.23 | 0.24 | 0.29 | 0.23 | S | 0.2 | 0.28 | 0.23 | 0.29 | 0.31 | 0.23 | 0.2 | 0.19 | 0.28 | 0.26 | 0.7 | 0.25 | 0.36 | C | 0.55 | 0.42 | 0.39 | 0.3 | 0.23 | 0.26 | 0.23 | 0.25 | S | 0.70 | 0.30 |
| 11:00 | 0.32 | 0.41 | 0.24 | 0.23 | 0.22 | 0.31 | S | 0.25 | 0.2 | 0.28 | 0.23 | 0.28 | 0.3 | 0.24 | 0.2 | 0.18 | 0.25 | 0.26 | 0.47 | 0.23 | 0.34 | C | 0.3 | 0.39 | 0.39 | 0.28 | 0.23 | 0.35 | 0.22 | S | 0.4 | 0.47 | 0.29 |
| 11:30 | 0.3 | 0.37 | 0.22 | 0.23 | 0.2 | 0.29 | S | 0.25 | 0.19 | 0.25 | 0.25 | 0.29 | 0.31 | 0.21 | 0.19 | 0.18 | 0.25 | 0.26 | 0.27 | 0.22 | 0.29 | C | 0.42 | 0.28 | 0.38 | 0.24 | 0.22 | 0.26 | 0.22 | S | 0.29 | 0.42 | 0.26 |
| 12:00 | 0.25 | 0.34 | 0.23 | 0.23 | 0.2 | S | 0.24 | 0.24 | 0.18 | 0.27 | 0.24 | 0.27 | 0.29 | 0.2 | 0.2 | 0.17 | 0.24 | 0.26 | 0.24 | 0.21 | 0.27 | C | 0.4 | 0.27 | 0.35 | 0.23 | 0.2 | 0.24 | S | 0.26 | 0.27 | 0.40 | 0.25 |
| 12:30 | 0.26 | 0.33 | 0.21 | 0.23 | 0.19 | S | 0.23 | 0.23 | 0.19 | 0.28 | 0.23 | 0.26 | 0.26 | 0.21 | 0.19 | 0.17 | 0.23 | 0.25 | 0.23 | 0.21 | 0.28 | 0.25 | 0.22 | 0.27 | 0.38 | 0.22 | 0.23 | 0.22 | S | 0.24 | 0.22 | 0.38 | 0.24 |
| 13:00 | 0.25 | 0.29 | 0.21 | 0.22 | S | 0.27 | 0.22 | 0.25 | 0.18 | 0.28 | 0.23 | 0.26 | 0.26 | 0.2 | 0.19 | 0.18 | 0.22 | 0.25 | 0.22 | 0.22 | 0.27 | 0.13 | 0.25 | 0.26 | 0.38 | 0.22 | 0.23 | S | 0.22 | 0.23 | 0.2 | 0.38 | 0.23 |
| 13:30 | 0.25 | 0.27 | 0.23 | 0.21 | S | 0.25 | 0.23 | 0.23 | 0.19 | 0.25 | 0.23 | 0.25 | 0.24 | 0.21 | 0.18 | 0.17 | 0.21 | 0.22 | 0.22 | 0.2 | 0.28 | 0.12 | 0.29 | 0.25 | 0.38 | 0.22 | 0.24 | S | 0.21 | 0.23 | 0.19 | 0.38 | 0.23 |
| 14:00 | 0.25 | 0.25 | 0.22 | S | 0.22 | 0.27 | 0.22 | 0.24 | 0.18 | 0.22 | 0.23 | 0.26 | 0.22 | 0.23 | 0.19 | 0.18 | 0.21 | 0.21 | 0.21 | 0.21 | 0.26 | 0.09 | 0.27 | 0.24 | 0.4 | 0.23 | S | 0.24 | 0.2 | 0.21 | 0.2 | 0.40 | 0.23 |
| 14:30 | 0.24 | 0.25 | 0.25 | S | 0.2 | 0.25 | 0.22 | 0.24 | 0.18 | 0.22 | 0.22 | 0.23 | 0.21 | 0.21 | 0.2 | 0.17 | 0.2 | 0.22 | 0.2 | 0.2 | 0.25 | **0.08** | 0.23 | 0.24 | 0.46 | 0.22 | S | 0.22 | 0.2 | 0.22 | 0.22 | 0.46 | 0.22 |
| 15:00 | 0.25 | 0.24 | S | 0.22 | 0.19 | 0.25 | 0.22 | 0.24 | 0.19 | 0.2 | 0.22 | 0.25 | 0.22 | 0.21 | 0.19 | 0.16 | 0.19 | 0.2 | 0.19 | 0.21 | 0.26 | **0.08** | 0.22 | 0.25 | 0.42 | S | 0.25 | 0.21 | 0.2 | 0.22 | 0.21 | 0.42 | 0.22 |
| 15:30 | 0.24 | 0.26 | S | 0.2 | 0.18 | 0.24 | 0.22 | 0.24 | 0.18 | 0.21 | 0.22 | 0.22 | 0.22 | 0.2 | 0.18 | 0.17 | 0.19 | 0.19 | 0.2 | 0.22 | 0.26 | **0.08** | 0.22 | 0.24 | 0.34 | S | 0.24 | 0.22 | 0.19 | 0.22 | 0.19 | 0.34 | 0.21 |
| 16:00 | 0.23 | S | 0.15 | 0.18 | 0.18 | 0.23 | 0.22 | 0.23 | 0.18 | 0.21 | 0.23 | 0.23 | 0.24 | 0.21 | 0.19 | 0.17 | 0.21 | 0.21 | 0.2 | 0.21 | 0.24 | 0.1 | 0.23 | 0.24 | S | 0.26 | 0.22 | 0.21 | 0.19 | 0.22 | 0.17 | 0.26 | 0.21 |
| 16:30 | 0.25 | S | 0.12 | 0.19 | 0.18 | 0.23 | 0.23 | 0.24 | 0.19 | 0.21 | 0.22 | 0.25 | 0.23 | 0.19 | 0.19 | 0.17 | 0.2 | 0.2 | 0.24 | 0.22 | 0.22 | 0.11 | 0.25 | 0.23 | S | 0.24 | 0.22 | 0.21 | 0.19 | 0.22 | 0.17 | 0.25 | 0.21 |
| 17:00 | S | 0.25 | 0.24 | 0.2 | 0.2 | 0.23 | 0.22 | 0.27 | 0.19 | 0.2 | 0.23 | 0.23 | 0.23 | 0.21 | 0.19 | 0.17 | 0.2 | 0.21 | 0.26 | 0.42 | 0.23 | 0.11 | 0.22 | S | 0.34 | 0.24 | 0.22 | 0.21 | 0.19 | 0.23 | 0.17 | 0.42 | 0.22 |
| 17:30 | S | 0.24 | 0.32 | 0.21 | 0.21 | 0.22 | 0.22 | 0.37 | 0.19 | 0.2 | 0.24 | 0.25 | 0.23 | 0.22 | 0.19 | 0.18 | 0.2 | 0.22 | 0.29 | 1.61 | 0.22 | 0.15 | 0.22 | S | 0.38 | 0.23 | 0.2 | 0.21 | 0.18 | 0.24 | 0.17 | 1.61 | 0.28 |
| 18:00 | 0.27 | 0.27 | 0.34 | 0.21 | 0.21 | 0.22 | 0.23 | 0.52 | 0.2 | 0.2 | 0.24 | 0.26 | 0.23 | 0.23 | 0.18 | 0.19 | 0.21 | 0.23 | 0.28 | 1.24 | 0.23 | 0.16 | S | 0.26 | 0.4 | 0.23 | 0.24 | 0.22 | 0.18 | 0.24 | 0.17 | 1.24 | 0.28 |
| 18:30 | 0.25 | 0.28 | 0.24 | 0.22 | 0.4 | 0.22 | 0.22 | 0.61 | 0.19 | 0.21 | 0.23 | 0.25 | 0.23 | 0.22 | 0.18 | 0.18 | 0.21 | 0.22 | 0.27 | 1.03 | 0.22 | 0.17 | S | 0.26 | 0.49 | 0.22 | 0.23 | 0.21 | 0.21 | 0.23 | 0.24 | 1.03 | 0.28 |
| 19:00 | 0.26 | 0.26 | 0.28 | 0.26 | 0.27 | 0.24 | 0.22 | 0.69 | 0.18 | 0.21 | 0.23 | 0.24 | 0.24 | 0.21 | 0.19 | 0.2 | 0.23 | 0.24 | 0.28 | 0.55 | 0.22 | S | 0.28 | 0.33 | 0.48 | 0.25 | 0.22 | 0.21 | 0.2 | 0.22 | 0.47 | 0.69 | 0.28 |
| 19:30 | 0.31 | 0.27 | 0.23 | 0.3 | 0.26 | 0.29 | 0.24 | 0.66 | 0.18 | 0.22 | 0.24 | 0.26 | 0.24 | 0.21 | 0.3 | 0.21 | 0.28 | 0.26 | 0.29 | 0.86 | 0.26 | S | 0.33 | 0.39 | 0.56 | 0.26 | 0.23 | 0.25 | 0.21 | 0.35 | 0.23 | 0.86 | 0.31 |
| 20:00 | 0.43 | 0.29 | 0.2 | 0.25 | 0.23 | 0.27 | 0.33 | 0.53 | 0.2 | 0.31 | 0.24 | 0.25 | 0.25 | 0.55 | 0.35 | 0.21 | 0.4 | 0.27 | 0.34 | 0.69 | S | 0.37 | 0.31 | 0.52 | 0.55 | 0.25 | 0.24 | 0.28 | 0.36 | 0.35 | 0.14 | 0.69 | 0.33 |
| 20:30 | 0.43 | 0.43 | 0.26 | 0.27 | 0.37 | 0.29 | 0.33 | 0.53 | 0.24 | 0.32 | 0.28 | 0.25 | 0.35 | 0.26 | 0.52 | 0.22 | 0.6 | 0.31 | 0.33 | 0.38 | S | 0.42 | 0.27 | 0.55 | 0.37 | 0.45 | 0.25 | 0.38 | 0.37 | 0.53 | 0.27 | 0.60 | 0.36 |
| 21:00 | 0.44 | 0.42 | 0.25 | 0.36 | 0.27 | 0.33 | 0.34 | 0.54 | 0.27 | 0.31 | 0.33 | 0.25 | 0.39 | 0.28 | 0.81 | 0.22 | 0.83 | 0.44 | 0.3 | S | 1.42 | 0.53 | 0.57 | 0.47 | 0.33 | 0.32 | 0.27 | 0.42 | 0.38 | 0.76 | 0.22 | 1.42 | 0.44 |
| 21:30 | 0.63 | 0.44 | 0.25 | 0.35 | 0.27 | 0.36 | 0.36 | 0.52 | 0.47 | 0.32 | 0.31 | 0.25 | 0.4 | 0.33 | 0.91 | 0.23 | 0.8 | 0.47 | 0.5 | S | 1.11 | 0.55 | 0.64 | 0.31 | 0.42 | 0.3 | 0.3 | 0.43 | 0.4 | 1.7 | 0.15 | 1.70 | 0.48 |
| 22:00 | 1.06 | 0.52 | 0.25 | 0.31 | 0.29 | 0.36 | 0.36 | 0.51 | 0.39 | 0.37 | 0.35 | 0.25 | 0.42 | 0.32 | 0.45 | 0.22 | 1.14 | 0.52 | S | 0.51 | 1.11 | 0.95 | 0.63 | 0.31 | 0.53 | 0.3 | 0.29 | 0.47 | 0.49 | 0.97 | 0.1 | 1.14 | 0.49 |
| 22:30 | 0.91 | 0.67 | 0.24 | 0.29 | 0.37 | 0.45 | 0.36 | 0.5 | 0.29 | 0.33 | 0.35 | 0.24 | 0.36 | 0.33 | 0.23 | 0.24 | 0.76 | 0.56 | S | 0.5 | 0.88 | 1.29 | 0.68 | 0.33 | 0.58 | 0.34 | 0.42 | 0.86 | 1.26 | 0.37 | 0.09 | 1.29 | 0.50 |
| 23:00 | 1.07 | 0.81 | 0.25 | 0.3 | 0.38 | 0.71 | 0.31 | 0.5 | 0.25 | 0.31 | 0.31 | 0.23 | 0.34 | 0.36 | 0.2 | 0.24 | 0.26 | S | 0.46 | 0.46 | 0.84 | 1.53 | 1.05 | 0.66 | 0.49 | 0.39 | 0.4 | 0.63 | 1.77 | 0.3 | 0.13 | 1.77 | 0.53 |
| 23:30 | 1.28 | 0.49 | 0.27 | 0.3 | 0.34 | 1.21 | 0.3 | 0.5 | 0.24 | 0.36 | 0.29 | 0.23 | 0.35 | 0.35 | 0.26 | 0.24 | 0.4 | S | 0.59 | 0.37 | 0.75 | 0.96 | 0.72 | 0.66 | 0.55 | 0.34 | 0.53 | 0.79 | 1.14 | 0.3 | 0.14 | 1.28 | 0.51 |
| Minimum | 0.23 | 0.24 | 0.12 | 0.18 | 0.18 | 0.22 | 0.22 | 0.23 | 0.18 | 0.20 | 0.22 | 0.22 | 0.21 | 0.19 | 0.18 | 0.16 | 0.19 | 0.19 | 0.19 | 0.20 | 0.22 | **0.08** | 0.22 | 0.23 | 0.33 | 0.22 | 0.20 | 0.21 | 0.18 | 0.21 | 0.09 | | |
| Maximum | 1.28 | 1.26 | 0.83 | 0.37 | 1.91 | 1.21 | 1.42 | 0.69 | 0.51 | 0.39 | 0.41 | 0.52 | 0.50 | 0.55 | 1.69 | 2.24 | 1.14 | 3.17 | 1.24 | 1.61 | 1.42 | 1.53 | 1.93 | 2.58 | 0.80 | 1.26 | 0.53 | 2.28 | 1.77 | 2.69 | **6.97** | | |
| Average | 0.40 | 0.51 | 0.35 | 0.26 | 0.54 | 0.36 | 0.37 | 0.38 | 0.28 | 0.27 | 0.29 | 0.31 | 0.31 | 0.31 | 0.54 | 0.31 | 0.41 | 0.56 | 0.44 | 0.55 | 0.47 | 0.42 | 0.62 | 0.60 | 0.48 | 0.52 | 0.30 | 0.73 | 0.66 | 0.81 | **0.84** | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



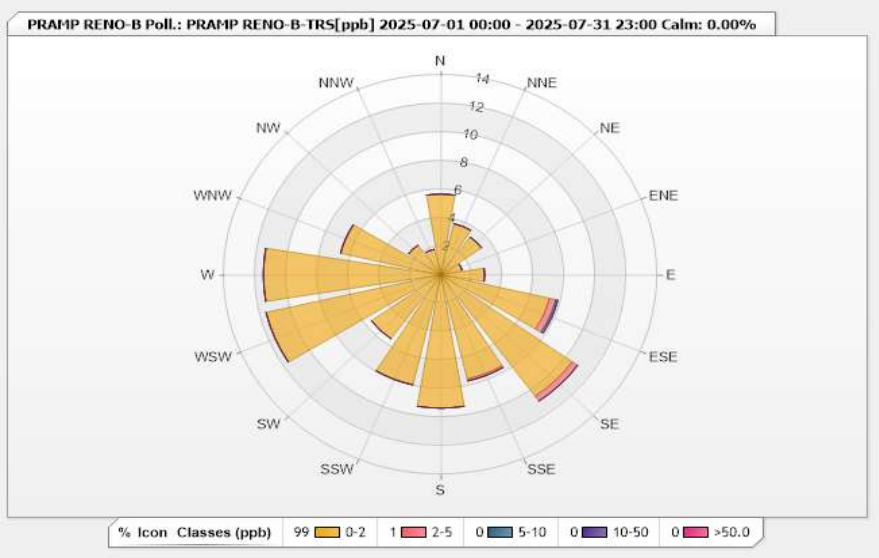



**Station: PRAMP RENO-B Poll.: PRAMP RENO-B-TRS[ppb] Monthly: 07-2025**

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 | 5.66 | 0 | 0 | 0 | 0 | 5.66 |
| NNE | 3.68 | 0 | 0 | 0 | 0 | 3.68 |
| NE | 3.25 | 0 | 0 | 0 | 0 | 3.25 |
| ENE | 1.41 | 0 | 0 | 0 | 0 | 1.41 |
| E | 2.83 | 0 | 0 | 0 | 0 | 2.83 |
| ESE | 7.21 | 0.42 | 0.14 | 0 | 0 | 7.77 |
| SE | 10.47 | 0.42 | 0 | 0 | 0 | 10.89 |
| SSE | 7.5 | 0.14 | 0 | 0 | 0 | 7.64 |
| S | 9.34 | 0 | 0 | 0 | 0 | 9.34 |
| SSW | 7.92 | 0 | 0 | 0 | 0 | 7.92 |
| SW | 5.52 | 0 | 0 | 0 | 0 | 5.52 |
| WSW | 11.6 | 0 | 0 | 0 | 0 | 11.6 |
| W | 11.46 | 0 | 0 | 0 | 0 | 11.46 |
| WNW | 6.65 | 0 | 0 | 0 | 0 | 6.65 |
| NW | 2.55 | 0 | 0 | 0 | 0 | 2.55 |
| NNW | 1.84 | 0 | 0 | 0 | 0 | 1.84 |
| Summary | 98.89 | 0.98 | 0.14 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

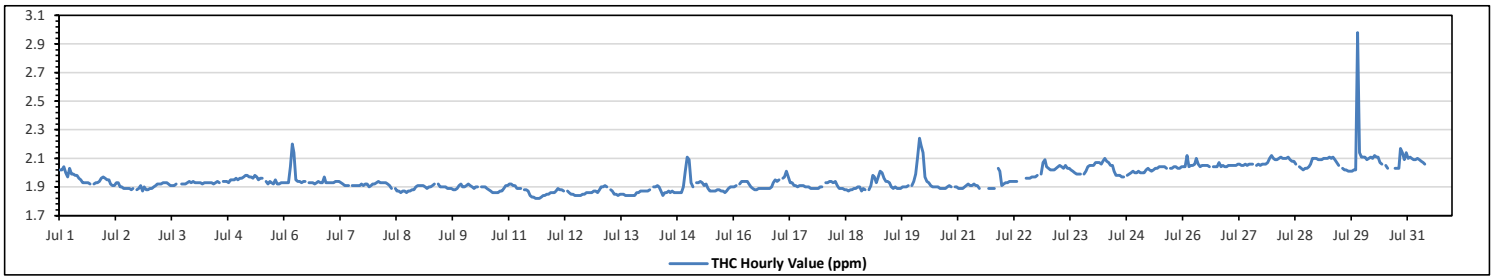
### TOTAL HYDROCARBONS (THC) in ppm

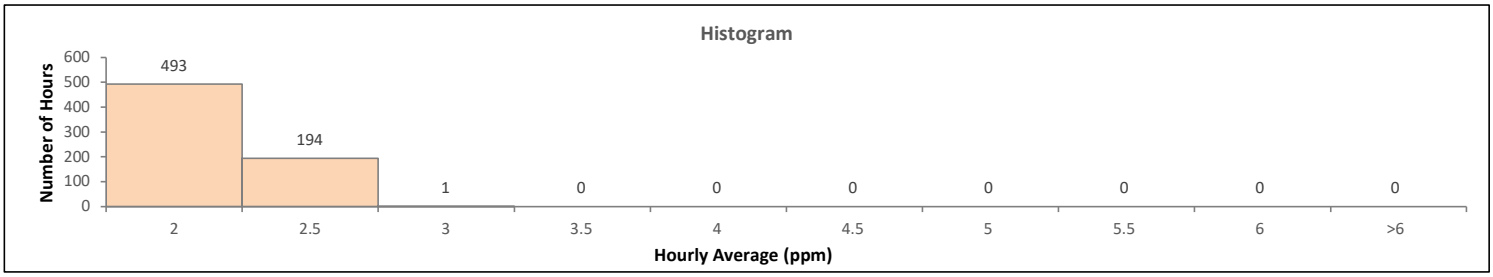
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.98 | ppm | on Jul 29 at hr 21 | Hours in Service: | 744 |
| Maximum Daily Value: | 2.11 | ppm | on Jul 29 | Hours of Data: | 688 |
| Minimum Hourly Value: | 1.82 | ppm | on Jul 11 at hr 14 | Hours of Missing Data: | 20 |
| Minimum Daily Value: | 1.86 | ppm | on Jul 12 | Hours of Calibration: | 36 |
| Monthly Average: | 1.95 | ppm | | Operational Uptime: | 97.3 |

| 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 | | | |
| Jul 1 | 2.02 | 2.02 | 2.04 | 2.00 | 1.97 | 2.03 | 1.99 | 1.99 | 1.98 | 1.98 | 1.96 | 1.95 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | S | 1.92 | 1.93 | 1.93 | 1.94 | 1.96 | 1.97 | 1.92 | 2.04 | 1.97 |
| Jul 2 | 1.96 | 1.95 | 1.95 | 1.92 | 1.91 | 1.91 | 1.93 | 1.93 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.88 | 1.89 | S | 1.88 | 1.89 | 1.91 | 1.87 | 1.90 | 1.88 | 1.88 | 1.87 | 1.96 | 1.90 |
| Jul 3 | 1.89 | 1.89 | 1.90 | 1.91 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.91 | 1.91 | 1.92 | S | X | 1.92 | 1.92 | 1.92 | 1.93 | 1.94 | 1.93 | 1.94 | 1.89 | 1.94 | 1.92 |
| Jul 4 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.93 | 1.94 | 1.93 | S | 1.94 | 1.94 | 1.94 | 1.93 | 1.95 | 1.95 | 1.95 | 1.96 | 1.95 | 1.92 | 1.96 | 1.94 |
| Jul 5 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.98 | 1.97 | 1.95 | 1.96 | 1.96 | S | 1.94 | 1.92 | 1.94 | 1.93 | 1.92 | 1.95 | 1.92 | 1.92 | 1.93 | 1.93 | 1.92 | 1.98 | 1.95 |
| Jul 6 | 1.93 | 1.93 | 1.93 | 2.04 | 2.20 | 2.14 | 1.95 | 1.94 | 1.94 | 1.93 | 1.94 | 1.94 | S | 1.93 | 1.93 | 1.93 | 1.92 | 1.93 | 1.94 | 1.93 | 1.93 | 1.97 | 1.93 | 1.93 | 1.92 | 2.20 | 1.96 |
| Jul 7 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.93 | 1.92 | 1.91 | 1.91 | 1.91 | S | 1.91 | 1.91 | 1.91 | 1.91 | 1.91 | 1.92 | 1.91 | 1.92 | 1.92 | 1.90 | 1.91 | 1.92 | 1.90 | 1.94 | 1.92 |
| Jul 8 | 1.92 | 1.93 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.89 | S | 1.89 | 1.87 | 1.87 | 1.86 | 1.87 | 1.87 | 1.86 | 1.87 | 1.87 | 1.88 | 1.88 | 1.90 | 1.91 | 1.86 | 1.94 | 1.90 |
| Jul 9 | 1.91 | 1.91 | 1.91 | 1.90 | 1.89 | 1.90 | 1.90 | 1.91 | 1.92 | S | 1.92 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.89 | 1.91 | 1.92 | 1.90 | 1.88 | 1.92 | 1.90 |
| Jul 10 | 1.90 | 1.91 | 1.92 | 1.91 | 1.90 | 1.89 | 1.90 | 1.90 | S | 1.90 | 1.90 | 1.90 | 1.89 | 1.88 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.87 | 1.89 | 1.91 | 1.91 | 1.86 | 1.92 | 1.89 |
| Jul 11 | 1.92 | 1.92 | 1.91 | 1.91 | 1.89 | 1.89 | 1.89 | S | 1.88 | 1.88 | 1.87 | 1.84 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.83 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.86 | 1.82 | 1.92 | 1.86 |
| Jul 12 | 1.86 | 1.87 | 1.89 | 1.88 | 1.88 | 1.87 | S | 1.87 | 1.86 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.87 | 1.86 | 1.84 | 1.89 | 1.86 |
| Jul 13 | 1.88 | 1.90 | 1.90 | 1.91 | 1.90 | S | 1.88 | 1.87 | 1.85 | 1.85 | 1.84 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.86 | 1.86 | 1.87 | 1.87 | 1.84 | 1.91 | 1.86 |
| Jul 14 | 1.87 | 1.87 | 1.87 | 1.88 | S | 1.90 | 1.90 | 1.91 | 1.90 | 1.87 | 1.84 | 1.86 | 1.86 | 1.87 | 1.86 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.90 | 2.01 | 2.11 | 1.84 | 2.11 | 1.89 |
| Jul 15 | 2.09 | 1.93 | 1.90 | S | 1.93 | 1.93 | 1.94 | 1.93 | 1.91 | 1.92 | 1.89 | 1.87 | 1.87 | 1.87 | 1.87 | 1.88 | 1.88 | 1.87 | 1.87 | 1.86 | 1.87 | 1.89 | 1.90 | 1.90 | 1.86 | 2.09 | 1.90 |
| Jul 16 | 1.90 | 1.91 | S | 1.92 | 1.94 | 1.94 | 1.94 | 1.94 | 1.92 | 1.90 | 1.89 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.93 | 1.95 | 1.94 | 1.88 | 1.95 | 1.91 |
| Jul 17 | 1.95 | S | 1.96 | 1.97 | 2.01 | 1.97 | 1.93 | 1.93 | 1.91 | 1.91 | 1.90 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.89 | 2.01 | 1.92 |
| Jul 18 | S | 1.93 | 1.93 | 1.94 | 1.94 | 1.93 | 1.94 | 1.91 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.87 | 1.88 | 1.88 | 1.89 | 1.89 | 1.90 | 1.90 | 1.87 | 1.89 | 1.88 | S | 1.87 | 1.94 | 1.90 |
| Jul 19 | 1.88 | 1.91 | 1.98 | 1.97 | 1.93 | 1.97 | 2.01 | 2.00 | 1.96 | 1.94 | 1.94 | 1.93 | 1.90 | 1.89 | 1.90 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.91 | S | 1.91 | 1.88 | 2.01 | 1.93 |
| Jul 20 | 1.94 | 1.99 | 2.11 | 2.24 | 2.19 | 2.14 | 1.97 | 1.94 | 1.93 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.90 | S | 1.90 | 1.90 | 1.89 | 2.24 | 1.96 |
| Jul 21 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.92 | 1.91 | 1.91 | 1.92 | 1.91 | 1.91 | 1.89 | X | X | X | X | 1.89 | 1.89 | 1.89 | 1.89 | S | 2.03 | 2.01 | 1.91 | 1.89 | 2.03 | 1.91 |
| Jul 22 | 1.92 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | C | C | C | C | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | S | 1.99 | 2.07 | 2.09 | 2.04 | 1.92 | 2.09 | 1.97 |
| Jul 23 | 2.03 | 2.02 | 2.02 | 2.02 | 2.03 | 2.04 | 2.05 | 2.04 | 2.03 | 2.05 | 2.03 | 2.03 | 2.02 | 2.01 | 2.00 | 1.99 | 1.99 | 1.99 | S | 1.99 | 2.01 | 2.04 | 2.05 | 2.05 | 1.99 | 2.05 | 2.02 |
| Jul 24 | 2.05 | 2.07 | 2.07 | 2.07 | 2.06 | 2.08 | 2.10 | 2.08 | 2.07 | 2.05 | 2.05 | 2.01 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | S | 1.98 | 1.99 | 2.00 | 2.01 | 2.00 | 2.00 | 1.97 | 2.10 | 2.03 |
| Jul 25 | 2.01 | 2.00 | 2.00 | 2.00 | 2.02 | 2.03 | 2.02 | 2.01 | 2.02 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.03 | S | 2.03 | 2.03 | 2.04 | 2.04 | 2.03 | 2.03 | 2.04 | 2.00 | 2.04 | 2.03 |
| Jul 26 | 2.04 | 2.04 | 2.12 | 2.04 | 2.05 | 2.05 | 2.06 | 2.10 | 2.06 | 2.04 | 2.05 | 2.05 | 2.05 | 2.05 | 2.04 | S | 2.04 | 2.04 | 2.04 | 2.07 | 2.04 | 2.05 | 2.04 | 2.04 | 2.04 | 2.12 | 2.05 |
| Jul 27 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 | 2.06 | 2.06 | 2.05 | 2.05 | 2.06 | 2.05 | 2.06 | 2.06 | 2.06 | S | 2.05 | 2.06 | 2.05 | 2.06 | 2.06 | 2.06 | 2.07 | 2.10 | 2.12 | 2.05 | 2.12 | 2.06 |
| Jul 28 | 2.10 | 2.09 | 2.09 | 2.10 | 2.11 | 2.10 | 2.10 | 2.10 | 2.11 | 2.09 | 2.08 | 2.08 | 2.06 | S | 2.04 | 2.03 | 2.02 | 2.03 | 2.03 | 2.04 | 2.06 | 2.10 | 2.10 | 2.10 | 2.02 | 2.11 | 2.08 |
| Jul 29 | 2.09 | 2.09 | 2.09 | 2.10 | 2.10 | 2.10 | 2.11 | 2.10 | 2.11 | 2.09 | 2.07 | 2.05 | S | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.02 | 2.02 | **2.98** | 2.14 | 2.11 | 2.01 | **2.98** | **2.11** |
| Jul 30 | 2.11 | 2.11 | 2.09 | 2.10 | 2.11 | 2.10 | 2.12 | 2.11 | 2.11 | 2.07 | 2.06 | S | 2.05 | 2.03 | X | 2.03 | X | 2.03 | 2.03 | 2.03 | 2.17 | 2.14 | 2.09 | 2.14 | 2.03 | 2.17 | 2.09 |
| Jul 31 | 2.10 | 2.11 | 2.10 | 2.09 | 2.09 | 2.10 | 2.09 | 2.08 | 2.07 | 2.06 | S | X | X | X | X | X | X | X | X | X | X | X | X | X | 2.06 | 2.11 | NA |
| Diurnal Maximum | 2.11 | 2.11 | 2.12 | 2.24 | 2.20 | 2.14 | 2.12 | 2.11 | 2.11 | 2.09 | 2.08 | 2.08 | 2.06 | 2.06 | 2.04 | 2.05 | 2.06 | 2.05 | 2.06 | 2.07 | 2.17 | 2.98 | 2.14 | 2.14 | | | |
| Diurnal Average | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.99 | 1.98 | 1.97 | 1.96 | 1.96 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.94 | 1.99 | 1.97 | 1.97 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



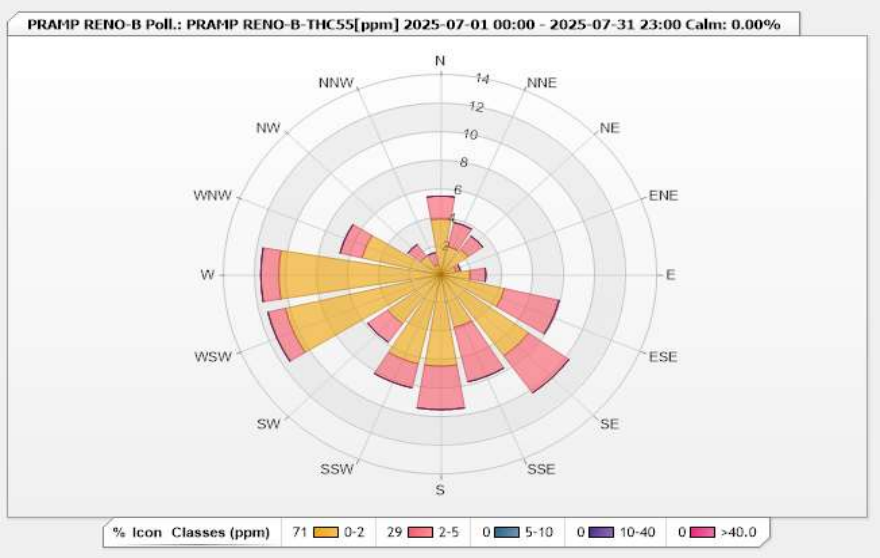



**Station: PRAMP RENO-B Poll.: PRAMP RENO-B-THC55[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 92.47% Calm Avg: 0.00 [ppm]

| Direction | 0-2 | 2-5 | 5-10 | 10-40 | >40.0 | Total |
|---|---|---|---|---|---|---|
| N | 3.92 | 1.6 | 0 | 0 | 0 | 5.52 |
| NNE | 2.03 | 1.74 | 0 | 0 | 0 | 3.77 |
| NE | 2.18 | 1.16 | 0 | 0 | 0 | 3.34 |
| ENE | 1.02 | 0.29 | 0 | 0 | 0 | 1.31 |
| E | 1.89 | 1.02 | 0 | 0 | 0 | 2.91 |
| ESE | 4.22 | 3.63 | 0 | 0 | 0 | 7.85 |
| SE | 6.98 | 3.2 | 0 | 0 | 0 | 10.18 |
| SSE | 3.78 | 3.92 | 0 | 0 | 0 | 7.7 |
| S | 6.4 | 3.05 | 0 | 0 | 0 | 9.45 |
| SSW | 6.4 | 1.74 | 0 | 0 | 0 | 8.14 |
| SW | 4.22 | 1.6 | 0 | 0 | 0 | 5.82 |
| WSW | 10.32 | 1.16 | 0 | 0 | 0 | 11.48 |
| W | 10.47 | 1.16 | 0 | 0 | 0 | 11.63 |
| WNW | 5.23 | 1.45 | 0 | 0 | 0 | 6.68 |
| NW | 1.6 | 1.02 | 0 | 0 | 0 | 2.62 |
| NNW | 0.73 | 0.87 | 0 | 0 | 0 | 1.6 |
| Summary | 71.39 | 28.61 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

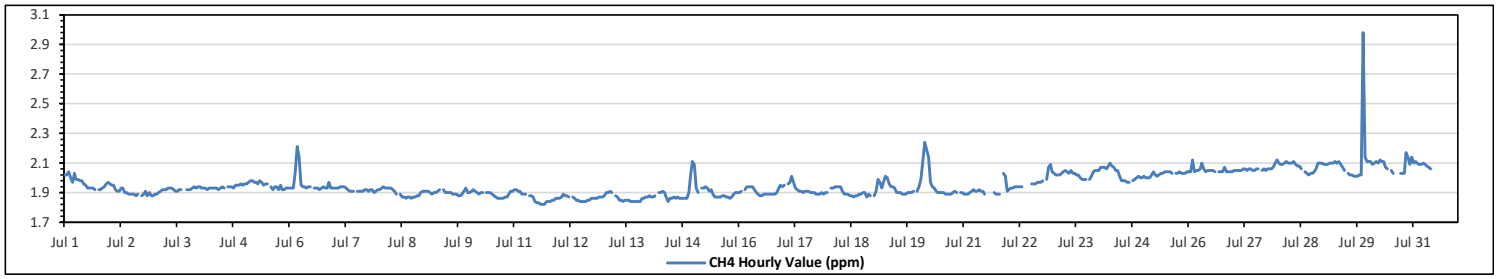
### METHANE (CH4) in ppm

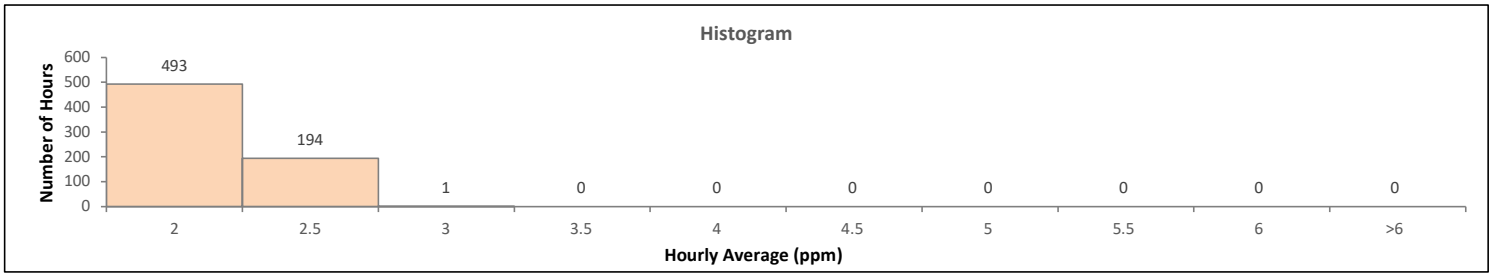
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.98 | ppm | on Jul 29 at hr 21 | Hours in Service: | 744 | |
| Maximum Daily Value: | 2.11 | ppm | on Jul 29 | Hours of Data: | 688 | |
| Minimum Hourly Value: | 1.82 | ppm | on Jul 11 at hr 14 | Hours of Missing Data: | 20 | |
| Minimum Daily Value: | 1.86 | ppm | on Jul 12 | Hours of Calibration: | 36 | |
| Monthly Average: | 1.95 | ppm | | Operational Uptime: | 97.3 | |

| 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 | | | |
| Jul 1 | 2.02 | 2.02 | 2.04 | 2.00 | 1.97 | 2.03 | 1.99 | 1.99 | 1.98 | 1.98 | 1.96 | 1.95 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | S | 1.92 | 1.92 | 1.93 | 1.94 | 1.96 | 1.97 | 1.92 | 2.04 | 1.97 |
| Jul 2 | 1.96 | 1.95 | 1.95 | 1.92 | 1.91 | 1.91 | 1.93 | 1.93 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.88 | 1.89 | S | 1.88 | 1.89 | 1.91 | 1.88 | 1.90 | 1.88 | 1.88 | 1.88 | 1.96 | 1.90 |
| Jul 3 | 1.89 | 1.89 | 1.90 | 1.91 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.91 | 1.92 | 1.92 | S | X | 1.92 | 1.92 | 1.92 | 1.93 | 1.94 | 1.93 | 1.94 | 1.89 | 1.94 | 1.92 |
| Jul 4 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.93 | 1.94 | 1.93 | S | 1.94 | 1.94 | 1.94 | 1.93 | 1.95 | 1.95 | 1.95 | 1.96 | 1.95 | 1.92 | 1.96 | 1.94 |
| Jul 5 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.98 | 1.97 | 1.95 | 1.96 | 1.96 | S | 1.94 | 1.92 | 1.94 | 1.94 | 1.92 | 1.95 | 1.92 | 1.92 | 1.93 | 1.93 | 1.92 | 1.98 | 1.95 |
| Jul 6 | 1.93 | 1.93 | 1.93 | 2.04 | 2.21 | 2.14 | 1.95 | 1.94 | 1.94 | 1.93 | 1.94 | 1.94 | S | 1.93 | 1.93 | 1.93 | 1.92 | 1.93 | 1.94 | 1.93 | 1.93 | 1.97 | 1.93 | 1.93 | 1.92 | 2.21 | 1.96 |
| Jul 7 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.93 | 1.92 | 1.91 | 1.91 | 1.91 | S | 1.91 | 1.91 | 1.91 | 1.91 | 1.92 | 1.92 | 1.91 | 1.92 | 1.92 | 1.90 | 1.91 | 1.92 | 1.90 | 1.94 | 1.92 |
| Jul 8 | 1.92 | 1.93 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.92 | 1.91 | 1.89 | S | 1.89 | 1.87 | 1.87 | 1.86 | 1.87 | 1.87 | 1.86 | 1.87 | 1.87 | 1.88 | 1.88 | 1.90 | 1.91 | 1.86 | 1.94 | 1.90 |
| Jul 9 | 1.91 | 1.91 | 1.91 | 1.90 | 1.89 | 1.90 | 1.90 | 1.91 | 1.92 | S | 1.92 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.89 | 1.91 | 1.93 | 1.90 | 1.88 | 1.93 | 1.90 |
| Jul 10 | 1.90 | 1.91 | 1.92 | 1.91 | 1.90 | 1.89 | 1.90 | 1.90 | S | 1.90 | 1.90 | 1.90 | 1.89 | 1.88 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.87 | 1.89 | 1.91 | 1.91 | 1.86 | 1.92 | 1.89 |
| Jul 11 | 1.92 | 1.92 | 1.91 | 1.91 | 1.89 | 1.89 | 1.89 | S | 1.88 | 1.88 | 1.87 | 1.84 | 1.83 | 1.83 | 1.82 | 1.82 | 1.82 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.86 | 1.82 | 1.92 | 1.86 |
| Jul 12 | 1.86 | 1.87 | 1.89 | 1.88 | 1.88 | 1.87 | S | 1.87 | 1.86 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.85 | 1.85 | 1.86 | 1.86 | 1.86 | 1.86 | 1.87 | 1.87 | 1.87 | 1.84 | 1.89 | 1.86 |
| Jul 13 | 1.88 | 1.90 | 1.90 | 1.91 | 1.90 | S | 1.88 | 1.87 | 1.85 | 1.85 | 1.84 | 1.85 | 1.85 | 1.85 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.86 | 1.86 | 1.87 | 1.87 | 1.84 | 1.91 | 1.86 |
| Jul 14 | 1.88 | 1.87 | 1.87 | 1.88 | S | 1.90 | 1.90 | 1.91 | 1.90 | 1.87 | 1.84 | 1.86 | 1.86 | 1.87 | 1.86 | 1.87 | 1.86 | 1.86 | 1.86 | 1.86 | 1.86 | 1.90 | 2.01 | 2.11 | 1.84 | 2.11 | 1.89 |
| Jul 15 | 2.09 | 1.93 | 1.90 | S | 1.93 | 1.93 | 1.94 | 1.93 | 1.91 | 1.92 | 1.89 | 1.87 | 1.87 | 1.87 | 1.87 | 1.88 | 1.88 | 1.87 | 1.87 | 1.86 | 1.87 | 1.89 | 1.90 | 1.90 | 1.86 | 2.09 | 1.90 |
| Jul 16 | 1.90 | 1.91 | S | 1.92 | 1.94 | 1.94 | 1.94 | 1.94 | 1.92 | 1.90 | 1.89 | 1.88 | 1.88 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.93 | 1.95 | 1.94 | 1.88 | 1.95 | 1.91 |
| Jul 17 | 1.95 | S | 1.96 | 1.97 | 2.01 | 1.97 | 1.93 | 1.92 | 1.91 | 1.91 | 1.90 | 1.91 | 1.91 | 1.91 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.90 | 1.89 | 1.90 | 1.90 | 1.89 | 2.01 | 1.92 |
| Jul 18 | S | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.91 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.87 | 1.88 | 1.88 | 1.89 | 1.89 | 1.90 | 1.90 | 1.87 | 1.89 | 1.88 | S | 1.87 | 1.94 | 1.90 |
| Jul 19 | 1.88 | 1.91 | 1.99 | 1.97 | 1.93 | 1.97 | 2.01 | 2.00 | 1.96 | 1.94 | 1.94 | 1.93 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.91 | S | 1.91 | 1.88 | 2.01 | 1.93 |
| Jul 20 | 1.94 | 1.99 | 2.11 | 2.24 | 2.19 | 2.14 | 1.97 | 1.94 | 1.93 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.90 | S | 1.90 | 1.90 | 1.89 | 2.24 | 1.96 |
| Jul 21 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.92 | 1.91 | 1.91 | 1.92 | 1.91 | 1.91 | 1.89 | X | X | X | X | 1.90 | 1.89 | 1.89 | 1.89 | S | 2.03 | 2.01 | 1.91 | 1.89 | 2.03 | 1.91 |
| Jul 22 | 1.92 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | C | C | C | C | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | S | 1.99 | 2.07 | 2.09 | 2.04 | 1.92 | 2.09 | 1.97 |
| Jul 23 | 2.03 | 2.02 | 2.02 | 2.02 | 2.03 | 2.04 | 2.05 | 2.04 | 2.03 | 2.05 | 2.03 | 2.03 | 2.02 | 2.02 | 2.00 | 1.99 | 1.99 | 1.99 | S | 1.99 | 2.01 | 2.04 | 2.05 | 2.05 | 1.99 | 2.05 | 2.02 |
| Jul 24 | 2.05 | 2.07 | 2.07 | 2.07 | 2.06 | 2.08 | 2.10 | 2.08 | 2.07 | 2.05 | 2.05 | 2.01 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | S | 1.98 | 1.99 | 2.00 | 2.01 | 2.00 | 2.00 | 1.97 | 2.10 | 2.03 |
| Jul 25 | 2.01 | 2.00 | 2.00 | 2.00 | 2.02 | 2.04 | 2.02 | 2.01 | 2.02 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.04 | 2.03 | S | 2.03 | 2.03 | 2.04 | 2.03 | 2.03 | 2.03 | 2.04 | 2.00 | 2.04 | 2.03 |
| Jul 26 | 2.04 | 2.04 | 2.12 | 2.04 | 2.05 | 2.05 | 2.06 | 2.10 | 2.06 | 2.04 | 2.05 | 2.05 | 2.05 | 2.05 | 2.04 | S | 2.04 | 2.04 | 2.04 | 2.07 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.12 | 2.05 |
| Jul 27 | 2.05 | 2.05 | 2.05 | 2.05 | 2.05 | 2.06 | 2.06 | 2.05 | 2.06 | 2.06 | 2.05 | 2.05 | 2.06 | 2.06 | S | 2.05 | 2.06 | 2.05 | 2.06 | 2.06 | 2.06 | 2.07 | 2.10 | 2.12 | 2.05 | 2.12 | 2.06 |
| Jul 28 | 2.10 | 2.09 | 2.09 | 2.10 | 2.11 | 2.10 | 2.10 | 2.10 | 2.11 | 2.09 | 2.08 | 2.08 | 2.06 | S | 2.04 | 2.03 | 2.02 | 2.03 | 2.03 | 2.04 | 2.06 | 2.10 | 2.10 | 2.10 | 2.02 | 2.11 | 2.08 |
| Jul 29 | 2.09 | 2.09 | 2.09 | 2.10 | 2.10 | 2.10 | 2.11 | 2.10 | 2.11 | 2.09 | 2.07 | 2.05 | S | 2.03 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.02 | 2.02 | **2.98** | 2.14 | 2.11 | 2.01 | **2.98** | **2.11** |
| Jul 30 | 2.11 | 2.11 | 2.09 | 2.10 | 2.11 | 2.10 | 2.12 | 2.11 | 2.11 | 2.07 | 2.06 | S | 2.05 | 2.03 | X | 2.03 | X | 2.03 | 2.03 | 2.03 | 2.17 | 2.14 | 2.09 | 2.14 | 2.03 | 2.17 | 2.09 |
| Jul 31 | 2.10 | 2.11 | 2.10 | 2.09 | 2.09 | 2.10 | 2.09 | 2.08 | 2.07 | 2.06 | S | X | X | X | X | X | X | X | X | X | X | X | X | X | 2.06 | 2.11 | NA |
| Diurnal Maximum | 2.11 | 2.11 | 2.12 | 2.24 | 2.21 | 2.14 | 2.12 | 2.11 | 2.11 | 2.09 | 2.08 | 2.08 | 2.06 | 2.06 | 2.04 | 2.05 | 2.06 | 2.05 | 2.06 | 2.07 | 2.17 | 2.98 | 2.14 | 2.14 | | | |
| Diurnal Average | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.99 | 1.98 | 1.97 | 1.96 | 1.96 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.94 | 1.99 | 1.97 | 1.97 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



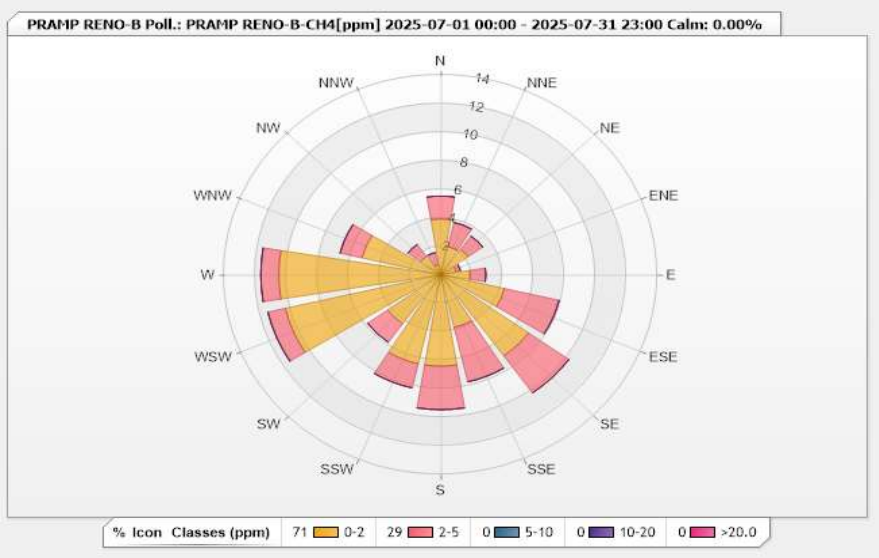



**Station: PRAMP RENO-B Poll.: PRAMP RENO-B-CH4[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 92.47% Calm Avg: 0.00 [ppm]

| Direction | 0-2 | 2-5 | 5-10 | 10-20 | >20.0 | Total |
|---|---|---|---|---|---|---|
| N | 3.92 | 1.6 | 0 | 0 | 0 | 5.52 |
| NNE | 2.03 | 1.74 | 0 | 0 | 0 | 3.77 |
| NE | 2.18 | 1.16 | 0 | 0 | 0 | 3.34 |
| ENE | 1.02 | 0.29 | 0 | 0 | 0 | 1.31 |
| E | 1.89 | 1.02 | 0 | 0 | 0 | 2.91 |
| ESE | 4.22 | 3.63 | 0 | 0 | 0 | 7.85 |
| SE | 6.98 | 3.2 | 0 | 0 | 0 | 10.18 |
| SSE | 3.78 | 3.92 | 0 | 0 | 0 | 7.7 |
| S | 6.4 | 3.05 | 0 | 0 | 0 | 9.45 |
| SSW | 6.4 | 1.74 | 0 | 0 | 0 | 8.14 |
| SW | 4.22 | 1.6 | 0 | 0 | 0 | 5.82 |
| WSW | 10.32 | 1.16 | 0 | 0 | 0 | 11.48 |
| W | 10.47 | 1.16 | 0 | 0 | 0 | 11.63 |
| WNW | 5.23 | 1.45 | 0 | 0 | 0 | 6.68 |
| NW | 1.6 | 1.02 | 0 | 0 | 0 | 2.62 |
| NNW | 0.73 | 0.87 | 0 | 0 | 0 | 1.6 |
| Summary | 71.39 | 28.61 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***Reno-B Station - July 2025***

**Summary of Hourly Averages**

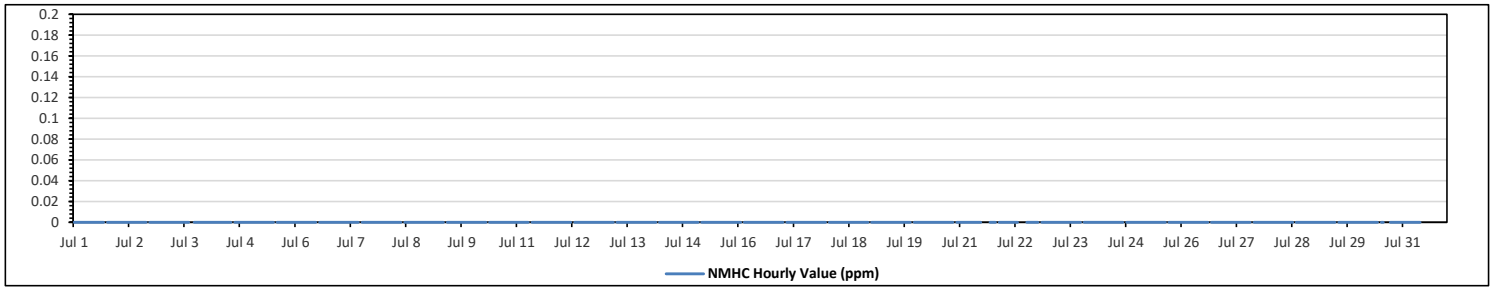
**NON-METHANE HYDROCARBONS (NMHC) in ppm**

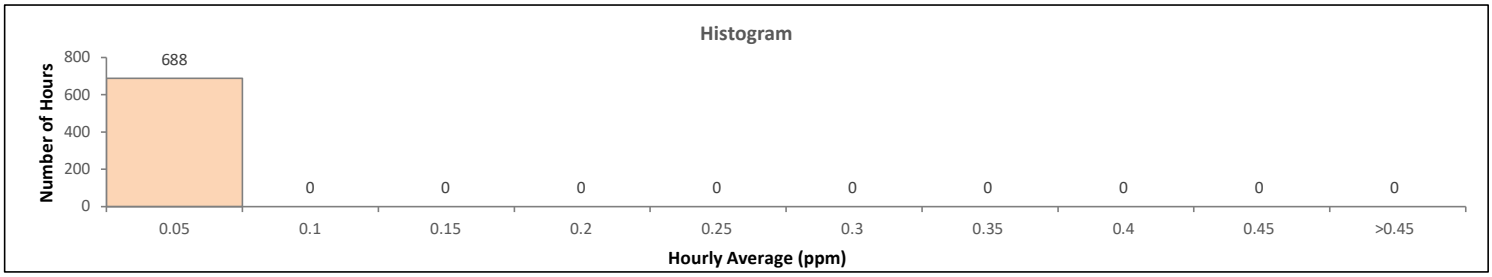
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.00 | ppm | on Jul 1 | Hours of Data: | 688 |
| Minimum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours of Missing Data: | 20 |
| Minimum Daily Value: | 0.00 | ppm | on Jul 1 | Hours of Calibration: | 36 |
| Monthly Average: | 0.00 | ppm | | Operational Uptime: | 97.3 |

| 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 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 0.00 | 0.00 | S | X | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 5 | 0.00 | 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 |
| Jul 6 | 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 |
| Jul 7 | 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 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 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 |
| Jul 11 | 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 |
| Jul 12 | 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 |
| Jul 13 | 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 |
| Jul 14 | 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 |
| Jul 15 | 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 |
| Jul 16 | 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 |
| Jul 17 | 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 |
| Jul 18 | 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 |
| Jul 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 | S | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | X | X | X | X | 0.00 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 22 | 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 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 28 | 0.00 | 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 |
| Jul 29 | 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 |
| Jul 30 | 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 | X | 0.00 | X | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | S | X | X | X | X | X | X | X | X | X | X | X | X | X | 0.00 | 0.00 | NA |
| 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.



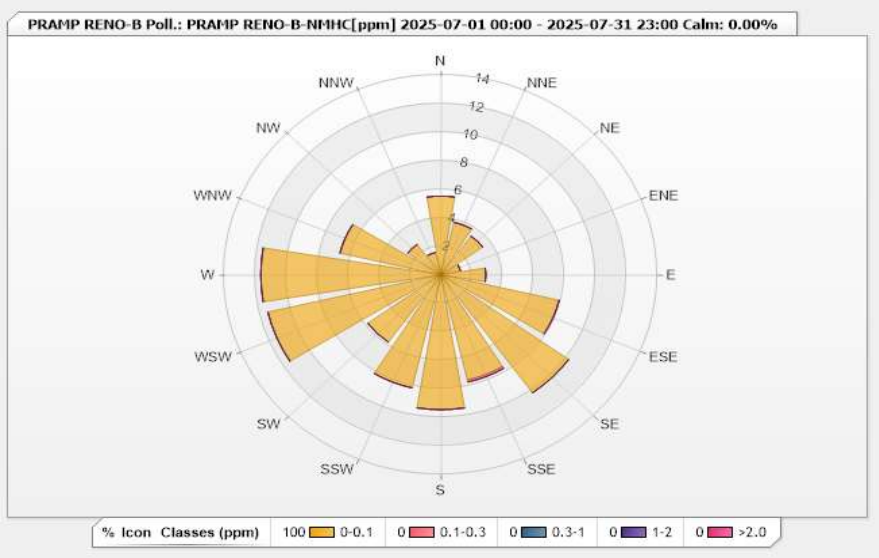



**Station: PRAMP RENO-B Poll.: PRAMP RENO-B-NMHC[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 92.47% Calm Avg: 0.00 [ppm]

| Direction | 0-0.1 | 0.1-0.3 | 0.3-1 | 1-2 | >2.0 | Total |
|---|---|---|---|---|---|---|
| N | 5.52 | 0 | 0 | 0 | 0 | 5.52 |
| NNE | 3.78 | 0 | 0 | 0 | 0 | 3.78 |
| NE | 3.34 | 0 | 0 | 0 | 0 | 3.34 |
| ENE | 1.31 | 0 | 0 | 0 | 0 | 1.31 |
| E | 2.91 | 0 | 0 | 0 | 0 | 2.91 |
| ESE | 7.85 | 0 | 0 | 0 | 0 | 7.85 |
| SE | 10.17 | 0 | 0 | 0 | 0 | 10.17 |
| SSE | 7.7 | 0 | 0 | 0 | 0 | 7.7 |
| S | 9.45 | 0 | 0 | 0 | 0 | 9.45 |
| SSW | 8.14 | 0 | 0 | 0 | 0 | 8.14 |
| SW | 5.81 | 0 | 0 | 0 | 0 | 5.81 |
| WSW | 11.48 | 0 | 0 | 0 | 0 | 11.48 |
| W | 11.63 | 0 | 0 | 0 | 0 | 11.63 |
| WNW | 6.69 | 0 | 0 | 0 | 0 | 6.69 |
| NW | 2.62 | 0 | 0 | 0 | 0 | 2.62 |
| NNW | 1.6 | 0 | 0 | 0 | 0 | 1.6 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

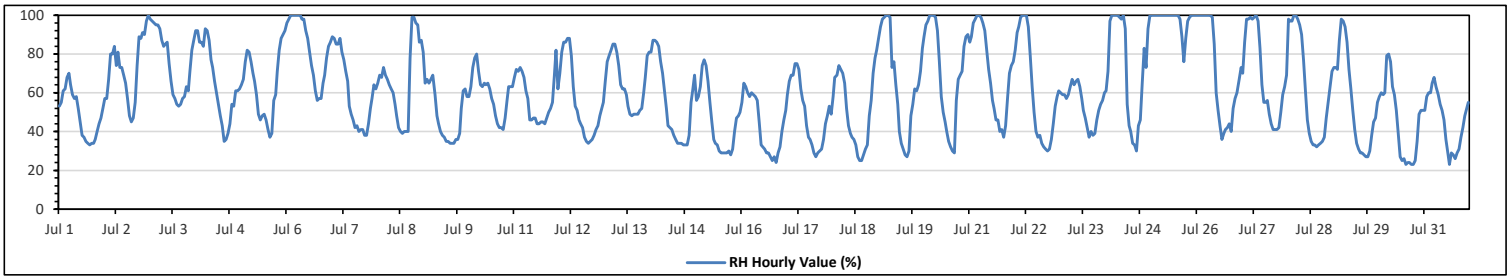
### RELATIVE HUMIDITY (RH) in %

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 100 | % | on Jul 2 at hr 23 | Hours in Service: | 744 |
| Maximum Daily Value: | 97.8 | % | on Jul 25 | Hours of Data: | 744 |
| Minimum Hourly Value: | 23 | % | on Jul 30 at hr 14 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 43.1 | % | on Jul 16 | Hours of Calibration: | 0 |
| Monthly Average: | 61.6 | % | | 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 | | | |
| Jul 1 | 53 | 55 | 61 | 62 | 68 | 70 | 64 | 59 | 57 | 58 | 52 | 45 | 38 | 37 | 35 | 34 | 33 | 34 | 34 | 36 | 40 | 44 | 47 | 52 | 33 | 70 | 48.7 |
| Jul 2 | 57 | 57 | 67 | 80 | 80 | 84 | 74 | 81 | 73 | 73 | 69 | 65 | 57 | 48 | 45 | 47 | 55 | 74 | 89 | 88 | 91 | 90 | 97 | **100** | 45 | **100** | 72.5 |
| Jul 3 | 98 | 97 | 96 | 95 | 95 | 93 | 87 | 84 | 85 | 86 | 75 | 66 | 59 | 57 | 54 | 53 | 54 | 57 | 58 | 63 | 61 | 71 | 82 | 87 | 53 | 98 | 75.5 |
| Jul 4 | 92 | 92 | 86 | 86 | 84 | 93 | 92 | 87 | 77 | 73 | 66 | 60 | 54 | 48 | 43 | 35 | 36 | 39 | 44 | 54 | 53 | 61 | 61 | 62 | 35 | 93 | 65.8 |
| Jul 5 | 64 | 67 | 76 | 82 | 81 | 76 | 70 | 66 | 59 | 49 | 46 | 48 | 49 | 46 | 41 | 37 | 39 | 56 | 59 | 71 | 82 | 88 | 90 | 92 | 37 | 92 | 63.9 |
| Jul 6 | 96 | 98 | **100** | **100** | **100** | **100** | **100** | **100** | 98 | 98 | 92 | 88 | 81 | 74 | 69 | 61 | 56 | 57 | 57 | 65 | 69 | 78 | 84 | 86 | 56 | **100** | 83.6 |
| Jul 7 | 89 | 88 | 85 | 85 | 88 | 81 | 77 | 71 | 66 | 53 | 49 | 46 | 42 | 43 | 40 | 41 | 41 | 38 | 38 | 44 | 52 | 57 | 64 | 62 | 38 | 89 | 60.0 |
| Jul 8 | 65 | 69 | 68 | 73 | 69 | 67 | 64 | 62 | 60 | 54 | 48 | 42 | 40 | 39 | 40 | 40 | 40 | 78 | 99 | 99 | 96 | 95 | 86 | 87 | 39 | 99 | 65.8 |
| Jul 9 | 81 | 65 | 67 | 65 | 67 | 69 | 59 | 48 | 44 | 40 | 38 | 37 | 35 | 35 | 34 | 34 | 34 | 36 | 36 | 39 | 52 | 61 | 62 | 58 | 34 | 81 | 49.8 |
| Jul 10 | 58 | 63 | 73 | 78 | 80 | 71 | 64 | 63 | 65 | 64 | 65 | 62 | 57 | 54 | 48 | 44 | 42 | 42 | 41 | 47 | 56 | 63 | 63 | 63 | 41 | 80 | 59.4 |
| Jul 11 | 68 | 72 | 71 | 73 | 71 | 68 | 61 | 57 | 46 | 46 | 47 | 47 | 44 | 44 | 45 | 45 | 44 | 47 | 50 | 52 | 55 | 69 | 82 | 62 | 44 | 82 | 56.9 |
| Jul 12 | 70 | 81 | 86 | 86 | 88 | 88 | 79 | 63 | 53 | 51 | 46 | 44 | 42 | 37 | 35 | 34 | 35 | 36 | 38 | 41 | 43 | 48 | 52 | 55 | 34 | 88 | 55.5 |
| Jul 13 | 66 | 76 | 79 | 82 | 85 | 85 | 81 | 74 | 64 | 62 | 62 | 59 | 53 | 49 | 48 | 49 | 49 | 49 | 51 | 52 | 60 | 68 | 79 | 81 | 48 | 85 | 65.1 |
| Jul 14 | 81 | 87 | 87 | 86 | 84 | 76 | 70 | 61 | 52 | 43 | 42 | 41 | 38 | 36 | 34 | 34 | 34 | 33 | 33 | 33 | 38 | 55 | 61 | 69 | 33 | 87 | 54.5 |
| Jul 15 | 56 | 58 | 63 | 74 | 77 | 74 | 66 | 55 | 45 | 36 | 34 | 33 | 30 | 29 | 29 | 29 | 29 | 30 | 28 | 31 | 40 | 47 | 48 | 50 | 28 | 77 | 45.5 |
| Jul 16 | 55 | 65 | 63 | 60 | 58 | 60 | 59 | 58 | 56 | 45 | 33 | 32 | 31 | 29 | 29 | 27 | 25 | 27 | 24 | 29 | 32 | 40 | 46 | 51 | 24 | 65 | **43.1** |
| Jul 17 | 59 | 66 | 69 | 69 | 75 | 75 | 72 | 62 | 56 | 53 | 43 | 37 | 36 | 33 | 29 | 27 | 29 | 30 | 31 | 36 | 44 | 48 | 53 | 49 | 27 | 75 | 49.2 |
| Jul 18 | 58 | 68 | 69 | 74 | 72 | 70 | 65 | 52 | 43 | 39 | 37 | 36 | 33 | 27 | 25 | 25 | 28 | 31 | 33 | 48 | 56 | 70 | 78 | 82 | 25 | 82 | 50.8 |
| Jul 19 | 88 | 94 | 98 | 99 | **100** | **100** | 99 | 73 | 76 | 64 | 54 | 40 | 34 | 31 | 28 | 27 | 30 | 48 | 54 | 62 | 61 | 64 | 71 | 83 | 27 | **100** | 65.8 |
| Jul 20 | 89 | 95 | 97 | **100** | **100** | **100** | 99 | 92 | 76 | 58 | 50 | 45 | 40 | 35 | 32 | 30 | 29 | 56 | 67 | 69 | 71 | 84 | 89 | 90 | 29 | **100** | 70.5 |
| Jul 21 | 86 | 89 | 96 | 98 | **100** | **100** | 99 | 96 | 92 | 82 | 72 | 65 | 56 | 52 | 46 | 46 | 40 | 41 | 37 | 43 | 57 | 70 | 74 | 76 | 37 | **100** | 71.4 |
| Jul 22 | 82 | 91 | 94 | 99 | **100** | **100** | **100** | 94 | 79 | 63 | 50 | 40 | 37 | 38 | 34 | 32 | 31 | 30 | 31 | 36 | 44 | 53 | 58 | 61 | 30 | **100** | 61.5 |
| Jul 23 | 60 | 59 | 59 | 57 | 59 | 63 | 67 | 64 | 66 | 67 | 63 | 57 | 51 | 47 | 42 | 37 | 40 | 38 | 39 | 46 | 51 | 54 | 56 | 60 | 37 | 67 | 54.3 |
| Jul 24 | 61 | 71 | 97 | **100** | **100** | **100** | **100** | 99 | 98 | **100** | 93 | 54 | 43 | 40 | 34 | 33 | 30 | 43 | 46 | 65 | 83 | 73 | 93 | **100** | 30 | **100** | 73.2 |
| Jul 25 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | 98 | 89 | 76 | 88 | 97 | 99 | **100** | **100** | **100** | 76 | **100** | **97.8** |
| Jul 26 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | 99 | 85 | 60 | 51 | 43 | 36 | 39 | 41 | 42 | 44 | 40 | 52 | 57 | 60 | 67 | 73 | 36 | **100** | 70.4 |
| Jul 27 | 70 | 86 | 98 | 98 | 99 | 98 | 99 | **100** | 97 | 83 | 64 | 55 | 55 | 56 | 49 | 44 | 41 | 41 | 41 | 42 | 50 | 59 | 63 | 69 | 41 | **100** | 69.0 |
| Jul 28 | 98 | 97 | 97 | **100** | **100** | 98 | 95 | 90 | 77 | 61 | 46 | 39 | 35 | 33 | 33 | 32 | 33 | 34 | 35 | 37 | 47 | 55 | 63 | 71 | 32 | **100** | 62.8 |
| Jul 29 | 73 | 73 | 72 | 87 | 98 | 97 | 94 | 86 | 72 | 62 | 51 | 41 | 34 | 31 | 29 | 29 | 28 | 27 | 27 | 30 | 38 | 45 | 47 | 55 | 27 | 98 | 55.3 |
| Jul 30 | 58 | 60 | 59 | 60 | 79 | 80 | 76 | 63 | 59 | 51 | 39 | 27 | 25 | 26 | **23** | 24 | 24 | **23** | **23** | 25 | 35 | 49 | 51 | 51 | **23** | 80 | 45.4 |
| Jul 31 | 51 | 58 | 60 | 60 | 65 | 68 | 63 | 59 | 54 | 51 | 46 | 36 | 29 | **23** | 29 | 28 | 26 | 29 | 31 | 37 | 42 | 48 | 52 | 55 | **23** | 68 | 45.8 |
| Diurnal Maximum | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 98 | 89 | 78 | 99 | 99 | 99 | 100 | 100 | 100 | | | |
| Diurnal Average | 73.6 | 77.3 | 80.4 | 82.8 | 84.6 | 84.0 | 80.5 | 74.8 | 69.2 | 62.9 | 55.9 | 49.6 | 45.2 | 42.4 | 40.0 | 38.6 | 38.3 | 42.7 | 45.2 | 50.6 | 56.6 | 63.5 | 68.4 | 70.7 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025***

**Summary of Hourly Averages**

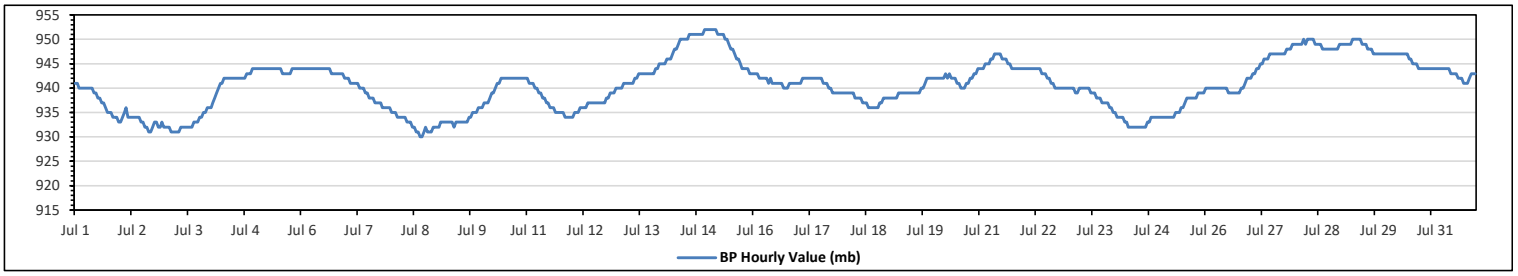
**BAROMETRIC PRESSURE (BP) in millibar**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 952 mb | on Jul 14 at hr 22 | Hours in Service: | 744 | |
| Maximum Daily Value: | 949 mb | on Jul 14 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 930 mb | on Jul 8 at hr 15 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 933 mb | on Jul 8 | Hours of Calibration: | 0 | |
| Monthly Average: | 941 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 |
| Jul 1 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 935 | 935 | 935 | 934 | 934 | 934 | 933 | 933 | 941 | 938 |
| Jul 2 | 933 | 934 | 935 | 936 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 933 | 933 | 932 | 932 | 931 | 931 | 932 | 933 | 933 | 932 | 932 | 933 | 932 | 931 | 936 | 933 |
| Jul 3 | 932 | 932 | 932 | 931 | 931 | 931 | 931 | 931 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 933 | 933 | 933 | 934 | 934 | 935 | 935 | 936 | 936 | 931 | 936 | 933 |
| Jul 4 | 936 | 937 | 938 | 939 | 940 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 944 | 944 | 936 | 944 | 941 |
| Jul 5 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 944 | 944 | 944 | 944 | 944 | 943 | 944 | 944 |
| Jul 6 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 944 | 944 |
| Jul 7 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 938 | 938 | 938 | 937 | 937 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 936 | 942 | 939 |
| Jul 8 | 935 | 935 | 935 | 934 | 934 | 934 | 934 | 934 | 933 | 933 | 933 | 932 | 932 | 931 | 931 | **930** | **930** | 931 | 932 | 931 | 931 | 931 | 932 | 932 | **930** | 935 | **933** |
| Jul 9 | 932 | 932 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 932 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 934 | 934 | 935 | 935 | 935 | 936 | 936 | 932 | 936 | 933 |
| Jul 10 | 936 | 937 | 937 | 937 | 938 | 939 | 939 | 940 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 936 | 942 | 941 |
| Jul 11 | 942 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 936 | 936 | 935 | 935 | 935 | 935 | 935 | 934 | 934 | 934 | 934 | 934 | 942 | 937 |
| Jul 12 | 934 | 935 | 935 | 935 | 936 | 936 | 936 | 936 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 937 | 938 | 938 | 939 | 939 | 939 | 940 | 934 | 940 | 937 |
| Jul 13 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 944 | 944 | 945 | 945 | 940 | 945 | 942 |
| Jul 14 | 945 | 945 | 946 | 946 | 946 | 947 | 948 | 948 | 949 | 950 | 950 | 950 | 950 | 950 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | **952** | **952** | 945 | **952** | **949** |
| Jul 15 | **952** | **952** | **952** | **952** | **952** | 951 | 951 | 951 | 951 | 950 | 950 | 949 | 948 | 948 | 947 | 946 | 946 | 945 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | **952** | 948 |
| Jul 16 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 941 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 941 | 940 | 943 | 941 |
| Jul 17 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 942 | 941 |
| Jul 18 | 939 | 939 | 939 | 939 | 939 | 939 | 938 | 938 | 938 | 938 | 937 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 936 | 937 | 937 | 938 | 938 | 938 | 936 | 939 | 938 |
| Jul 19 | 938 | 938 | 938 | 938 | 938 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 940 | 940 | 941 | 942 | 942 | 942 | 942 | 938 | 942 | 939 |
| Jul 20 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | 942 | 943 | 942 | 942 | 942 | 941 | 941 | 940 | 940 | 940 | 941 | 941 | 942 | 942 | 943 | 943 | 944 | 940 | 944 | 942 |
| Jul 21 | 944 | 944 | 944 | 945 | 945 | 945 | 946 | 946 | 947 | 947 | 947 | 947 | 946 | 946 | 946 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 947 | 945 |
| Jul 22 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 942 | 942 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 944 | 942 |
| Jul 23 | 940 | 940 | 940 | 939 | 939 | 940 | 940 | 940 | 940 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 938 | 937 | 937 | 937 | 937 | 936 | 936 | 935 | 935 | 940 | 939 |
| Jul 24 | 935 | 934 | 934 | 934 | 934 | 933 | 933 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 932 | 933 | 933 | 934 | 934 | 934 | 934 | 934 | 932 | 935 | 933 |
| Jul 25 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 935 | 935 | 935 | 936 | 936 | 937 | 938 | 938 | 938 | 938 | 938 | 938 | 939 | 939 | 939 | 939 | 934 | 939 | 936 |
| Jul 26 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 940 | 940 | 941 | 942 | 942 | 939 | 942 | 940 |
| Jul 27 | 942 | 943 | 943 | 944 | 944 | 945 | 945 | 946 | 946 | 946 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 948 | 948 | 948 | 949 | 949 | 942 | 949 | 946 |
| Jul 28 | 949 | 949 | 949 | 949 | 950 | 949 | 950 | 950 | 950 | 950 | 949 | 949 | 949 | 949 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 948 | 949 | 948 | 950 | 949 |
| Jul 29 | 949 | 949 | 949 | 949 | 949 | 949 | 950 | 950 | 950 | 950 | 950 | 949 | 949 | 949 | 948 | 948 | 948 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 950 | 949 |
| Jul 30 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 946 | 946 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 947 | 946 |
| Jul 31 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 941 | 941 | 941 | 942 | 943 | 943 | 943 | 941 | 944 | 943 |
| Diurnal Maximum | 952 | 952 | 952 | 952 | 952 | 951 | 951 | 951 | 951 | 950 | 950 | 950 | 950 | 950 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 952 | 952 | | | |
| Diurnal Average | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025*

### Summary of Hourly Averages

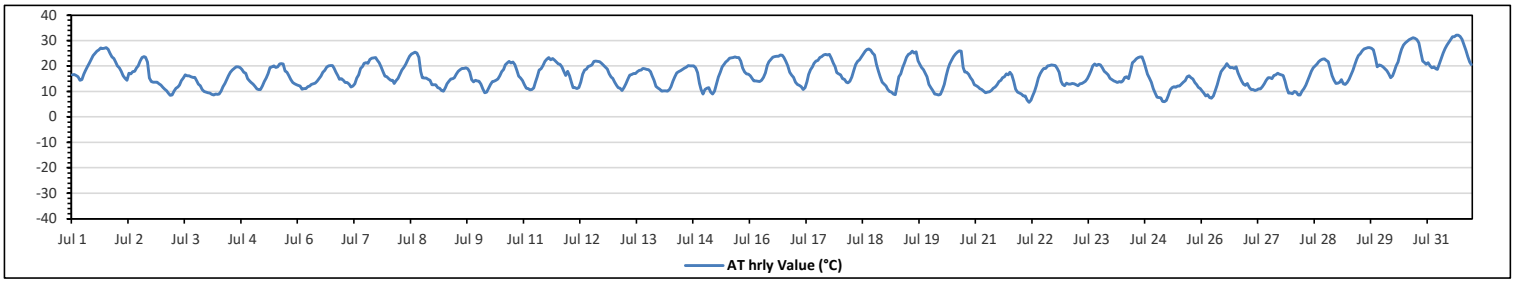
### AMBIENT TEMPERATURE (AT) in Degree Celsius

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 32.2 | °C | on Jul 31 at hr 16 | Hours in Service: | 744 | |
| Maximum Daily Value: | 25.5 | °C | on Jul 31 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 5.8 | °C | on Jul 22 at hr 4 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 11.3 | °C | on Jul 25 | Hours of Calibration: | 0 | |
| Monthly Average: | 16.9 | °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 |
| Jul 1 | 16.6 | 16.7 | 16.3 | 15.8 | 14.5 | 14.6 | 16.8 | 18.2 | 19.7 | 21.1 | 22.6 | 24 | 25 | 25.9 | 26.4 | 27.1 | 26.9 | 27 | 27.2 | 26.6 | 25 | 23.6 | 22.9 | 21.7 | 14.5 | 27.2 | 21.8 |
| Jul 2 | 20 | 19.3 | 17.9 | 16.1 | 15.2 | 14.4 | 17.2 | 16.9 | 17.8 | 17.9 | 19.3 | 20.1 | 22 | 23.4 | 23.7 | 23.5 | 21.6 | 15.3 | 13.9 | 13.7 | 13.7 | 13.6 | 13.1 | 12.5 | 12.5 | 23.7 | 17.6 |
| Jul 3 | 11.7 | 10.9 | 10.3 | 9.3 | 8.5 | 8.7 | 10.1 | 11.3 | 11.8 | 12.5 | 14.3 | 15.3 | 16.5 | 16.2 | 16.2 | 15.9 | 15.6 | 15.6 | 14.2 | 13 | 12.2 | 10.7 | 10 | 9.7 | 8.5 | 16.5 | 12.5 |
| Jul 4 | 9.5 | 9.4 | 8.9 | 8.7 | 9 | 8.9 | 9.1 | 10.1 | 11.9 | 13.2 | 14.7 | 16.2 | 17.5 | 18.5 | 19.1 | 19.7 | 19.8 | 19.5 | 18.7 | 17.6 | 17.2 | 15.1 | 14.2 | 13.5 | 8.7 | 19.8 | 14.2 |
| Jul 5 | 12.9 | 12 | 11 | 10.8 | 10.8 | 12.1 | 13.9 | 15.3 | 17.1 | 19.4 | 19.8 | 20.1 | 19.5 | 19.8 | 20.9 | 21 | 20.8 | 18.1 | 17.5 | 16.1 | 14.6 | 13.5 | 13.1 | 12.7 | 10.8 | 21.0 | 16.0 |
| Jul 6 | 12.4 | 12.1 | 10.9 | 11.2 | 11.2 | 11.9 | 12.1 | 12.8 | 13.1 | 13.3 | 14.1 | 15 | 16 | 17.5 | 18.3 | 19.6 | 20 | 20.2 | 20.2 | 19.2 | 17.6 | 16.1 | 14.8 | 15 | 10.9 | 20.2 | 15.2 |
| Jul 7 | 14.4 | 13.5 | 13.5 | 13 | 11.8 | 12.1 | 13.1 | 15.3 | 16.6 | 19.1 | 19.9 | 21.1 | 21.3 | 21.1 | 22.6 | 23.1 | 23.2 | 23.3 | 22.4 | 21.3 | 19.7 | 17.8 | 16 | 15.8 | 11.8 | 23.3 | 18.0 |
| Jul 8 | 15 | 14.5 | 14.4 | 13.2 | 14.3 | 15.2 | 16.8 | 18.5 | 19.4 | 20.7 | 22.4 | 23.9 | 24.7 | 25.2 | 25.5 | 25.1 | 23.5 | 17.8 | 15.5 | 15.3 | 15.3 | 14.8 | 14.4 | 12.7 | 12.7 | 25.5 | 18.3 |
| Jul 9 | 12.7 | 12.7 | 11.6 | 11.3 | 10.4 | 10.1 | 11.6 | 13.1 | 14.1 | 14.9 | 15 | 15.4 | 16.8 | 17.9 | 18.6 | 19 | 19.1 | 19.3 | 18.9 | 17.7 | 14.6 | 13.8 | 14.4 | 14.2 | 10.1 | 19.3 | 14.9 |
| Jul 10 | 14 | 13 | 11 | 9.5 | 9.7 | 11.3 | 12.8 | 13.9 | 14 | 14.5 | 14.9 | 16.2 | 17.8 | 18.7 | 20.4 | 21.2 | 21.8 | 21.2 | 21.6 | 20.6 | 18.5 | 16 | 15.3 | 14.3 | 9.5 | 21.8 | 15.9 |
| Jul 11 | 12.6 | 11.3 | 11.2 | 10.6 | 10.8 | 11.4 | 13.5 | 15.9 | 18.5 | 18.9 | 20.2 | 21.8 | 22.7 | 23.4 | 22.5 | 23 | 22.4 | 21.5 | 20.9 | 20.7 | 19.7 | 18 | 16.3 | 18 | 10.6 | 23.4 | 17.7 |
| Jul 12 | 16.1 | 13.5 | 11.6 | 11.5 | 11.2 | 11.5 | 13.7 | 16.8 | 18.5 | 18.8 | 19.9 | 20.1 | 20.5 | 21.8 | 21.9 | 21.8 | 21.7 | 21.1 | 20.3 | 19.6 | 18.8 | 16.9 | 15.7 | 15.2 | 11.2 | 21.9 | 17.4 |
| Jul 13 | 13.7 | 12.4 | 11.6 | 11.3 | 10.4 | 11.5 | 13.1 | 14.7 | 16.4 | 16.7 | 17.1 | 17.1 | 17.8 | 18.4 | 18.5 | 19 | 18.9 | 18.7 | 18.6 | 17.8 | 16.2 | 14.5 | 12 | 11.4 | 10.4 | 19.0 | 15.3 |
| Jul 14 | 10.9 | 10.2 | 10.3 | 10.3 | 10.2 | 10.8 | 11.9 | 14.1 | 15.9 | 17.3 | 17.8 | 18.2 | 18.7 | 19.2 | 19.6 | 20.2 | 20 | 20.1 | 20 | 19.3 | 17.4 | 13.2 | 10.8 | 9 | 9.0 | 20.2 | 15.2 |
| Jul 15 | 10.7 | 11.3 | 11.5 | 9.8 | 9.1 | 10.1 | 13 | 15.7 | 17.6 | 19.8 | 20.7 | 21.6 | 22.3 | 23.1 | 23.2 | 23.4 | 23.6 | 23.3 | 23.4 | 21.9 | 19.2 | 17.7 | 17 | 16.8 | 9.1 | 23.6 | 17.7 |
| Jul 16 | 16.1 | 15 | 14.2 | 14.2 | 14.1 | 13.9 | 14.4 | 15.6 | 17.3 | 20.3 | 21.7 | 22.6 | 23.5 | 23.7 | 23.9 | 23.9 | 24.4 | 24.2 | 23.4 | 21.8 | 20 | 17.5 | 16.4 | 15.6 | 13.9 | 24.4 | 19.1 |
| Jul 17 | 13.6 | 12.8 | 12.4 | 11.9 | 10.8 | 11.6 | 13.9 | 16.7 | 18.6 | 19.8 | 21.1 | 21.9 | 22.3 | 23.4 | 23.8 | 24.4 | 24.6 | 24.4 | 24.6 | 23.1 | 21.2 | 19.7 | 17.4 | 16.9 | 10.8 | 24.6 | 18.8 |
| Jul 18 | 16.6 | 15.1 | 14.8 | 13.7 | 13.4 | 14.1 | 15.7 | 18.2 | 20.6 | 21.8 | 22.5 | 23.6 | 24.8 | 25.9 | 26.5 | 26.7 | 26.2 | 25.2 | 24.3 | 20.7 | 18.1 | 15.7 | 13.7 | 12.9 | 12.9 | 26.7 | 19.6 |
| Jul 19 | 12.1 | 10.9 | 10 | 9.8 | 9.1 | 8.8 | 11.9 | 15.8 | 16.9 | 19.4 | 21.3 | 23.5 | 24.6 | 25 | 25.8 | 25.2 | 25.6 | 22.1 | 20.8 | 19.5 | 18.6 | 17.1 | 15.9 | 12.8 | 8.8 | 25.8 | 17.6 |
| Jul 20 | 11.5 | 10.5 | 9 | 8.9 | 8.6 | 8.9 | 10.6 | 12.8 | 16.1 | 19.1 | 20.9 | 22.4 | 23.7 | 24.7 | 25.5 | 26 | 25.9 | 19.5 | 17.7 | 17.5 | 16.8 | 15.4 | 14.4 | 12.7 | 8.6 | 26.0 | 16.6 |
| Jul 21 | 12.3 | 11.8 | 11.1 | 10.8 | 10.1 | 9.5 | 9.8 | 9.9 | 10.4 | 11.3 | 11.8 | 12.6 | 13.9 | 14.4 | 15.4 | 15.9 | 16.9 | 16.5 | 17.6 | 16.6 | 14.1 | 10.9 | 9.8 | 9.4 | 9.4 | 17.6 | 12.6 |
| Jul 22 | 9 | 8.2 | 8.3 | 6.6 | **5.8** | 6.6 | 8.2 | 10 | 12.4 | 15.3 | 17.1 | 18.3 | 19 | 19.1 | 20 | 20.2 | 20.5 | 20.3 | 20.2 | 19 | 17.5 | 14.1 | 12.8 | 12.3 | **5.8** | 20.5 | 14.2 |
| Jul 23 | 13.3 | 13 | 13 | 13.2 | 13.1 | 12.6 | 12.3 | 13.1 | 13.2 | 13.5 | 14.1 | 15.1 | 16.6 | 18.4 | 20 | 20.9 | 20.2 | 20.7 | 20.5 | 19.3 | 18 | 17.3 | 16.5 | 15.2 | 12.3 | 20.9 | 16.0 |
| Jul 24 | 14.6 | 14.2 | 13.9 | 13.5 | 13.9 | 13.6 | 14.2 | 15.6 | 15.8 | 15.1 | 17.9 | 21.3 | 21.9 | 22.8 | 23.4 | 23.6 | 23.6 | 21.6 | 19.5 | 16.8 | 15.3 | 13.7 | 11.1 | 9.4 | 9.4 | 23.6 | 16.9 |
| Jul 25 | 7.8 | 7.7 | 7.5 | 6.1 | 6 | 6.5 | 8.4 | 10.6 | 11.5 | 11.9 | 11.7 | 12.1 | 12.1 | 13 | 13.7 | 14.3 | 15.8 | 16.2 | 15.4 | 14.9 | 13.5 | 12.7 | 11.7 | 11.1 | 6.0 | 16.2 | **11.3** |
| Jul 26 | 10.2 | 9.3 | 8.3 | 8.8 | 7.7 | 7.4 | 8.2 | 10.5 | 12.6 | 15.5 | 17.8 | 18.8 | 19.8 | 21 | 20 | 19.3 | 19.4 | 19.1 | 19.7 | 17.3 | 15.6 | 14.2 | 13 | 12.4 | 7.4 | 21.0 | 14.4 |
| Jul 27 | 13.2 | 11.7 | 10.8 | 10.7 | 10.5 | 10.6 | 11 | 11 | 11.9 | 13.1 | 14.4 | 15.5 | 15.4 | 15.1 | 16.3 | 16.5 | 17.2 | 16.8 | 16.5 | 16.3 | 14.1 | 11.5 | 9.4 | 9.3 | 9.3 | 17.2 | 13.3 |
| Jul 28 | 9.2 | 10 | 9.8 | 8.6 | 8.7 | 10.2 | 11.1 | 12.5 | 14.4 | 16.3 | 18 | 19.3 | 20 | 20.9 | 21.7 | 22.4 | 22.7 | 22.8 | 22.2 | 21.7 | 18.9 | 16.1 | 14.4 | 13.2 | 8.6 | 22.8 | 16.0 |
| Jul 29 | 13.3 | 13.6 | 14.6 | 13.1 | 12.8 | 13.5 | 14.8 | 16.6 | 18.3 | 20.6 | 22.7 | 24.1 | 24.9 | 26 | 26.7 | 27 | 27.3 | 27.3 | 27 | 26.4 | 23.3 | 19.7 | 20.4 | 20.2 | 12.8 | 27.3 | 20.6 |
| Jul 30 | 19.8 | 18.9 | 18.2 | 17 | 15.5 | 16.1 | 17.8 | 20.1 | 21.6 | 24.1 | 26.6 | 28.2 | 29.2 | 29.8 | 30.4 | 30.7 | 31.1 | 30.9 | 30.4 | 29.2 | 25.5 | 21.9 | 21.4 | 20.7 | 15.5 | 31.1 | 24.0 |
| Jul 31 | 21.3 | 20 | 19.3 | 19.7 | 18.9 | 18.7 | 20.8 | 23 | 25.1 | 26.8 | 28.2 | 29.4 | 30.5 | 31.5 | 31.6 | 32.1 | **32.2** | 31.7 | 30.6 | 28.4 | 26.3 | 23.8 | 21.5 | 20.6 | 18.7 | **32.2** | **25.5** |
| Diurnal Maximum | 21.3 | 20.0 | 19.3 | 19.7 | 18.9 | 18.7 | 20.8 | 23.0 | 25.1 | 26.8 | 28.2 | 29.4 | 30.5 | 31.5 | 31.6 | 32.1 | 32.2 | 31.7 | 30.6 | 29.2 | 26.3 | 23.8 | 22.9 | 21.7 | | | |
| Diurnal Average | 13.5 | 12.8 | 12.2 | 11.6 | 11.2 | 11.5 | 13.0 | 14.7 | 16.1 | 17.5 | 18.7 | 19.8 | 20.7 | 21.4 | 22.0 | 22.3 | 22.3 | 21.3 | 20.8 | 19.6 | 18.0 | 16.0 | 14.8 | 14.1 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **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 - July 2025*

### Summary of Hourly Averages

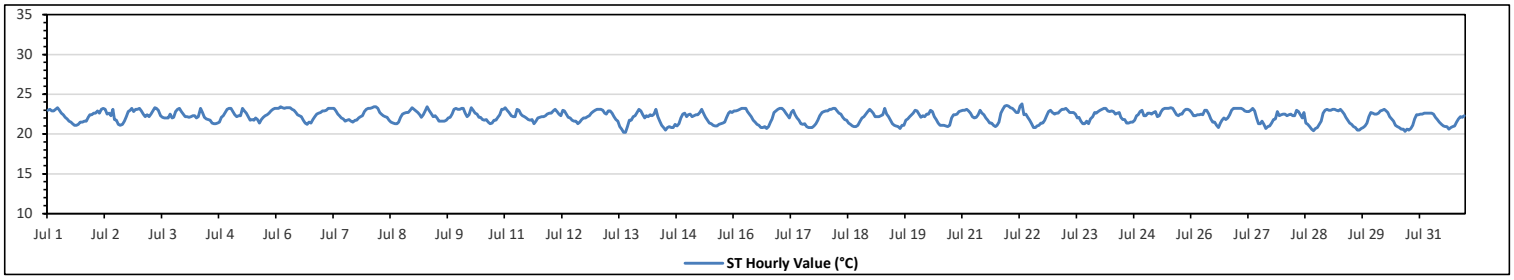
### STATION TEMPERATURE (ST) in Degree Celsius

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 23.8 | °C | on Jul 22 at hr 7 | Hours in Service: | 744 | |
| Maximum Daily Value: | 22.8 | °C | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 20.2 | °C | on Jul 13 at hr 14 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 21.7 | °C | on Jul 14 | 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 |
| Jul 1 | 23.0 | 23.1 | 22.9 | 22.9 | 23.1 | 23.3 | 23.0 | 22.6 | 22.4 | 22.1 | 21.9 | 21.6 | 21.5 | 21.3 | 21.1 | 21.1 | 21.2 | 21.5 | 21.5 | 21.6 | 21.6 | 22.1 | 22.4 | 22.4 | 21.1 | 23.3 | 22.1 |
| Jul 2 | 22.6 | 22.6 | 22.9 | 22.6 | 23.1 | 23.2 | 23.1 | 22.5 | 22.6 | 22.3 | 23.1 | 21.8 | 21.7 | 21.2 | 21.1 | 21.2 | 21.6 | 22.2 | 22.8 | 23.0 | 23.2 | 22.8 | 23.1 | 23.1 | 21.1 | 23.2 | 22.5 |
| Jul 3 | 23.2 | 22.9 | 22.5 | 22.2 | 22.4 | 22.2 | 22.5 | 22.9 | 23.3 | 23.2 | 23.0 | 22.3 | 22.1 | 22.0 | 22.0 | 22.0 | 22.5 | 22.0 | 22.1 | 22.8 | 23.1 | 23.2 | 22.8 | 22.5 | 22.0 | 23.3 | 22.6 |
| Jul 4 | 22.2 | 22.2 | 22.1 | 22.2 | 22.3 | 22.3 | 22.0 | 22.2 | 23.2 | 22.7 | 22.1 | 21.9 | 21.8 | 21.7 | 21.4 | 21.3 | 21.3 | 21.4 | 21.5 | 22.1 | 22.3 | 22.7 | 23.1 | 23.2 | 21.3 | 23.2 | 22.1 |
| Jul 5 | 23.2 | 22.8 | 22.4 | 22.2 | 22.3 | 22.3 | 23.2 | 22.9 | 22.6 | 22.2 | 21.7 | 21.8 | 21.7 | 22.0 | 21.8 | 21.4 | 21.8 | 22.1 | 22.3 | 22.4 | 22.6 | 22.9 | 23.1 | 23.2 | 21.4 | 23.2 | 22.4 |
| Jul 6 | 23.2 | 23.2 | 23.4 | 23.3 | 23.2 | 23.3 | 23.3 | 23.3 | 23.1 | 23.0 | 22.7 | 22.4 | 22.3 | 22.2 | 21.7 | 21.4 | 21.2 | 21.5 | 21.4 | 21.8 | 22.2 | 22.5 | 22.6 | 22.7 | 21.2 | 23.4 | 22.5 |
| Jul 7 | 22.9 | 22.9 | 23.0 | 23.2 | 23.2 | 23.2 | 23.2 | 22.9 | 22.5 | 22.3 | 22.0 | 21.9 | 21.6 | 21.7 | 21.8 | 21.6 | 21.5 | 21.7 | 21.7 | 22.0 | 22.2 | 22.3 | 22.8 | 23.1 | 21.5 | 23.2 | 22.4 |
| Jul 8 | 23.2 | 23.2 | 23.3 | 23.4 | 23.4 | 23.2 | 22.7 | 22.5 | 22.3 | 22.2 | 22.1 | 21.7 | 21.5 | 21.4 | 21.3 | 21.3 | 21.5 | 22.1 | 22.5 | 22.6 | 22.7 | 22.7 | 23.0 | 23.3 | 21.3 | 23.4 | 22.5 |
| Jul 9 | 23.1 | 22.9 | 22.7 | 22.4 | 22.1 | 22.4 | 22.9 | 23.4 | 23.0 | 22.6 | 22.2 | 22.3 | 22.0 | 21.6 | 21.6 | 21.6 | 21.6 | 21.7 | 22.0 | 22.1 | 22.5 | 23.1 | 23.2 | 23.1 | 21.6 | 23.4 | 22.4 |
| Jul 10 | 23.1 | 23.2 | 23.2 | 22.6 | 22.2 | 22.4 | 23.3 | 23.0 | 22.6 | 22.5 | 22.1 | 22.1 | 21.8 | 21.7 | 21.8 | 21.5 | 21.3 | 21.4 | 21.7 | 21.7 | 22.1 | 22.4 | 23.1 | 23.1 | 21.3 | 23.3 | 22.3 |
| Jul 11 | 23.3 | 23.0 | 22.7 | 22.3 | 22.2 | 22.2 | 23.1 | 23.0 | 22.5 | 22.3 | 22.2 | 22.0 | 21.8 | 21.7 | 21.8 | 21.3 | 21.6 | 22.0 | 22.1 | 22.2 | 22.2 | 22.3 | 22.5 | 22.6 | 21.3 | 23.3 | 22.3 |
| Jul 12 | 22.6 | 22.9 | 23.1 | 22.8 | 22.5 | 22.3 | 23.0 | 22.9 | 22.5 | 22.1 | 22.0 | 21.7 | 21.6 | 21.6 | 21.3 | 21.5 | 21.8 | 22.0 | 22.0 | 22.2 | 22.3 | 22.6 | 22.8 | 23.0 | 21.3 | 23.1 | 22.3 |
| Jul 13 | 23.1 | 23.1 | 23.1 | 23.0 | 22.6 | 22.5 | 22.9 | 22.9 | 22.6 | 22.2 | 21.8 | 21.6 | 20.9 | 20.6 | **20.2** | **20.2** | 20.9 | 21.7 | 21.7 | 22.2 | 22.3 | 22.7 | 23.1 | 22.9 | **20.2** | 23.1 | 22.1 |
| Jul 14 | 22.4 | 22.0 | 22.3 | 22.2 | 22.4 | 22.3 | 22.5 | 23.1 | 22.2 | 21.6 | 21.1 | 20.8 | 20.5 | 20.8 | 20.9 | 20.8 | 20.8 | 21.2 | 21.0 | 21.3 | 22.0 | 22.5 | 22.6 | 22.2 | 20.5 | 23.1 | **21.7** |
| Jul 15 | 22.4 | 22.5 | 22.2 | 22.3 | 22.4 | 22.4 | 22.7 | 23.1 | 22.5 | 22.1 | 21.7 | 21.4 | 21.3 | 21.1 | 21.0 | 21.0 | 21.2 | 21.3 | 21.4 | 21.5 | 22.1 | 22.6 | 22.8 | 22.7 | 21.0 | 23.1 | 22.0 |
| Jul 16 | 22.9 | 22.9 | 23.0 | 23.1 | 23.2 | 23.2 | 23.2 | 22.8 | 22.5 | 22.2 | 21.7 | 21.5 | 21.2 | 21.1 | 20.8 | 20.8 | 20.9 | 20.7 | 20.9 | 21.5 | 21.9 | 22.7 | 22.9 | 23.1 | 20.7 | 23.2 | 22.1 |
| Jul 17 | 23.2 | 23.2 | 23.0 | 22.6 | 22.3 | 22.0 | 22.7 | 23.0 | 22.4 | 22.0 | 21.7 | 21.3 | 21.2 | 21.3 | 20.9 | 20.8 | 20.8 | 20.8 | 21.0 | 21.3 | 21.7 | 22.3 | 22.7 | 22.8 | 20.8 | 23.2 | 22.0 |
| Jul 18 | 22.9 | 22.9 | 23.1 | 23.1 | 23.2 | 23.2 | 22.9 | 22.6 | 22.5 | 22.1 | 21.8 | 21.7 | 21.4 | 21.2 | 21.0 | 20.9 | 20.9 | 21.1 | 21.6 | 22.0 | 22.2 | 22.5 | 22.8 | 23.1 | 20.9 | 23.2 | 22.2 |
| Jul 19 | 22.9 | 22.6 | 22.2 | 22.2 | 22.2 | 22.3 | 22.4 | 23.2 | 22.5 | 22.2 | 21.7 | 21.3 | 21.1 | 21.0 | 20.9 | 20.7 | 21.1 | 21.1 | 21.7 | 21.9 | 22.2 | 22.4 | 22.6 | 23.0 | 20.7 | 23.2 | 22.0 |
| Jul 20 | 22.9 | 22.5 | 22.1 | 22.3 | 22.2 | 22.5 | 22.5 | 23.0 | 22.8 | 22.2 | 21.8 | 21.4 | 21.1 | 21.1 | 21.1 | 21.0 | 20.9 | 21.1 | 22.0 | 22.4 | 22.4 | 22.5 | 22.8 | 22.9 | 20.9 | 23.0 | 22.1 |
| Jul 21 | 23.0 | 23.0 | 23.1 | 22.9 | 22.6 | 22.2 | 22.0 | 22.1 | 22.4 | 23.0 | 22.6 | 22.4 | 22.0 | 21.7 | 21.4 | 21.4 | 21.1 | 20.9 | 21.1 | 21.5 | 22.6 | 23.1 | 23.5 | 23.6 | 20.9 | 23.6 | 22.3 |
| Jul 22 | 23.5 | 23.3 | 23.2 | 23.0 | 22.7 | 22.7 | 23.5 | **23.8** | 22.4 | 22.5 | 22.1 | 21.7 | 21.3 | 20.8 | 20.8 | 21.0 | 21.1 | 21.4 | 21.4 | 21.7 | 22.3 | 22.8 | 23.0 | 22.7 | 20.8 | **23.8** | 22.3 |
| Jul 23 | 22.5 | 22.6 | 22.6 | 22.9 | 23.1 | 23.1 | 23.2 | 23.0 | 22.7 | 22.7 | 22.7 | 22.5 | 22.0 | 22.1 | 21.6 | 21.3 | 21.3 | 21.6 | 21.3 | 21.9 | 22.2 | 22.7 | 22.6 | 22.8 | 21.3 | 23.2 | 22.4 |
| Jul 24 | 23.0 | 23.1 | 23.2 | 23.2 | 22.9 | 22.8 | 22.9 | 22.8 | 22.5 | 22.6 | 22.7 | 22.1 | 21.8 | 21.8 | 21.4 | 21.4 | 21.5 | 21.5 | 21.7 | 22.3 | 22.4 | 22.8 | 23.0 | 22.3 | 21.4 | 23.2 | 22.4 |
| Jul 25 | 22.3 | 22.6 | 22.6 | 22.5 | 22.7 | 22.8 | 22.2 | 22.3 | 22.8 | 23.1 | 23.2 | 23.2 | 23.2 | 23.3 | 23.2 | 22.8 | 22.4 | 22.3 | 22.5 | 22.5 | 22.9 | 23.1 | 23.1 | 23.0 | 22.2 | 23.3 | **22.8** |
| Jul 26 | 22.7 | 22.3 | 22.3 | 22.4 | 22.4 | 22.5 | 22.4 | 23.0 | 23.0 | 22.5 | 21.9 | 21.5 | 21.5 | 21.1 | 20.8 | 21.4 | 21.7 | 22.0 | 21.8 | 22.0 | 22.4 | 23.0 | 23.2 | 23.2 | 20.8 | 23.2 | 22.2 |
| Jul 27 | 23.2 | 23.2 | 23.2 | 23.1 | 22.9 | 22.8 | 22.8 | 23.0 | 23.2 | 22.9 | 22.0 | 21.3 | 21.3 | 21.6 | 21.2 | 20.7 | 20.9 | 21.0 | 21.4 | 21.8 | 21.9 | 22.8 | 22.3 | 22.4 | 20.7 | 23.2 | 22.2 |
| Jul 28 | 22.5 | 22.5 | 22.3 | 22.4 | 22.5 | 22.3 | 22.3 | 23.0 | 22.8 | 22.4 | 22.0 | 22.7 | 21.4 | 21.2 | 20.9 | 20.6 | 20.4 | 20.7 | 20.8 | 21.2 | 21.6 | 22.6 | 23.0 | 23.1 | 20.4 | 23.1 | 22.0 |
| Jul 29 | 23.0 | 23.0 | 23.1 | 23.1 | 23.0 | 22.9 | 23.1 | 22.8 | 22.5 | 22.1 | 21.7 | 21.4 | 21.2 | 20.9 | 20.8 | 20.5 | 20.5 | 20.7 | 20.8 | 21.0 | 21.4 | 22.2 | 22.7 | 22.6 | 20.5 | 23.1 | 22.0 |
| Jul 30 | 22.5 | 22.5 | 22.6 | 22.9 | 23.0 | 23.1 | 22.9 | 22.7 | 22.2 | 21.9 | 21.6 | 21.1 | 20.9 | 20.8 | 20.6 | 20.6 | 20.3 | 20.6 | 20.5 | 20.7 | 21.1 | 21.9 | 22.4 | 22.4 | 20.3 | 23.1 | 21.7 |
| Jul 31 | 22.5 | 22.5 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.5 | 22.1 | 21.8 | 21.5 | 21.2 | 21.0 | 20.9 | 20.9 | 20.6 | 20.8 | 20.9 | 21.0 | 21.5 | 21.9 | 22.2 | 22.1 | 22.3 | 20.6 | 22.6 | 21.8 |
| Diurnal Maximum | 23.5 | 23.3 | 23.4 | 23.4 | 23.4 | 23.3 | 23.5 | 23.8 | 23.3 | 23.2 | 23.2 | 23.2 | 23.2 | 23.3 | 23.2 | 22.8 | 22.5 | 22.3 | 22.8 | 23.0 | 23.2 | 23.2 | 23.5 | 23.6 | | | |
| Diurnal Average | 22.9 | 22.8 | 22.8 | 22.7 | 22.7 | 22.7 | 22.8 | 22.9 | 22.6 | 22.4 | 22.1 | 21.8 | 21.5 | 21.4 | 21.3 | 21.2 | 21.2 | 21.4 | 21.6 | 21.9 | 22.2 | 22.6 | 22.8 | 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*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

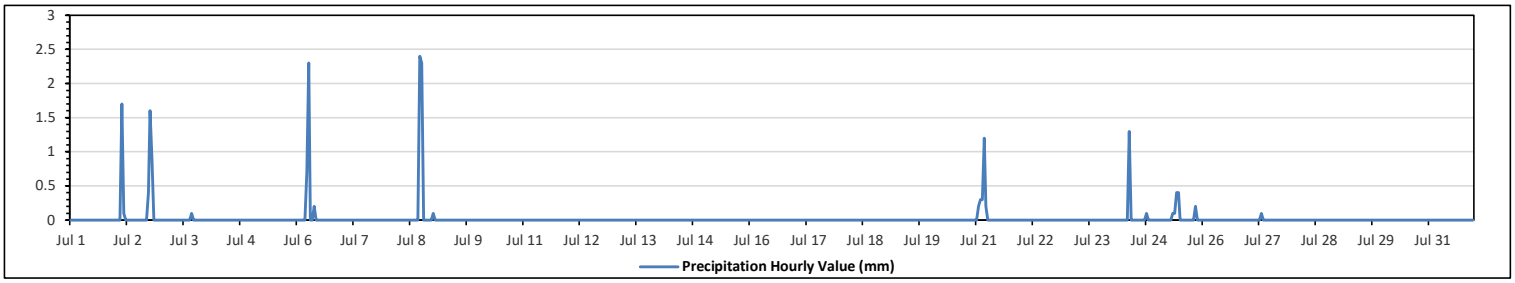
### PRECIPITATION in mm

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.4 | mm | on Jul 8 at hr 17 | Hours in Service: | 744 | |
| Maximum Daily Value: | 4.7 | mm | on Jul 2 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.0 | mm | on Jul 1 at hr 0 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.0 | mm | on Jul 1 | Hours of Calibration: | 0 | |
| Monthly Total: | 17.7 | mm | | Operational Uptime: | 100.0 | |

| Day | Hourly Period Starting at (MST) | | | | | | | | | | | | | | | | | | | | | | Daily Minimum | Daily Maximum | Daily Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | |
| Jul 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 |
| Jul 2 | 0 | 0 | 0 | 1.7 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 1.6 | 0.9 | 0 | 0 | 0 | 0 | 0.0 | 1.7 | **4.7** |
| Jul 3 | 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 | 0.1 | 0.1 |
| Jul 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 |
| Jul 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 |
| Jul 6 | 0 | 0 | 0 | 0 | 0 | 0.7 | 2.3 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 2.3 | 3.2 |
| Jul 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 |
| Jul 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **2.4** | 2.3 | 0 | 0 | 0 | 0 | 0 | 0.0 | **2.4** | **4.7** |
| Jul 9 | 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 | 0.1 | 0.1 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 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 |
| Jul 21 | 0 | 0.2 | 0.3 | 0.3 | 1.2 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.2 | 2.2 |
| Jul 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 |
| Jul 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 |
| Jul 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1.3 | 1.4 |
| Jul 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.4 | 0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0.0 | 0.4 | 1.2 |
| Jul 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 |
| Jul 27 | 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 | 0.1 | 0.1 |
| Jul 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 |
| Jul 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Jul 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 |
| Jul 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 | 0.2 | 0.3 | 1.7 | 1.2 | 0.7 | 2.3 | 0.1 | 0.1 | 1.3 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.4 | 2.3 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 | | | |
| Diurnal Average | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 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*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

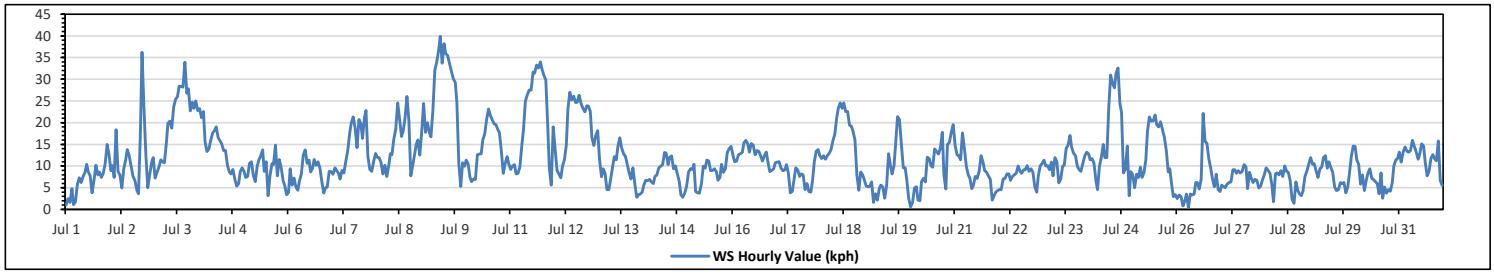
### VECTOR WIND SPEED (VWS) in km/hr

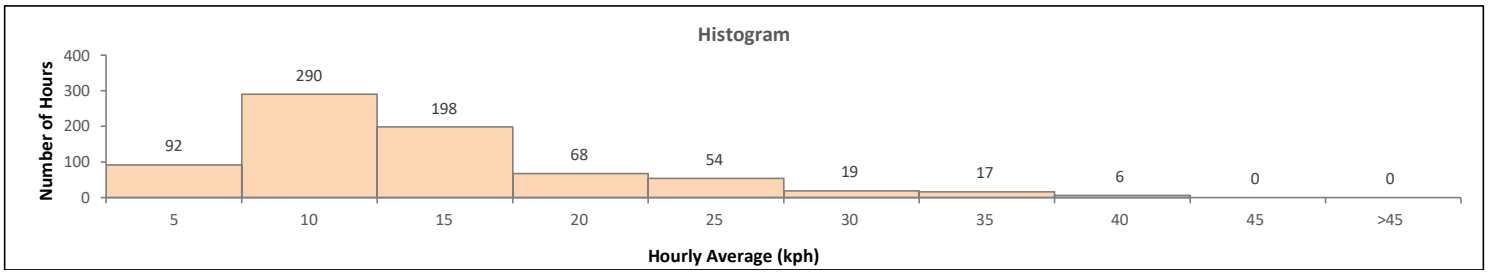
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 39.9 | kph | on Jul 9 at hr 10 | Hours in Service: | 744 | |
| Maximum Daily Value: | 25.4 | kph | on Jul 9 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.4 | kph | on Jul 26 at hr 6 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 6.4 | kph | on Jul 26 | Hours of Calibration: | 0 | |
| Monthly Average: | 4.1 | 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 | | | |
| Jul 1 | 1.0 | 2.5 | 1.6 | 4.8 | 1.1 | 1.7 | 5.7 | 7.3 | 6.2 | 7.6 | 8.5 | 10.4 | 8.7 | 7.7 | 3.8 | 6.7 | 10.2 | 8.0 | 8.6 | 7.4 | 8.3 | 10.6 | 15.0 | 12.6 | 1.0 | 15.0 | 6.9 |
| Jul 2 | 8.9 | 10.1 | 7.4 | 18.3 | 8.8 | 8.0 | 4.9 | 9.3 | 11.4 | 13.8 | 12.4 | 9.9 | 7.6 | 6.6 | 4.4 | 3.6 | 17.8 | 36.2 | 23.6 | 12.7 | 5.0 | 7.9 | 10.7 | 11.9 | 3.6 | 36.2 | 11.3 |
| Jul 3 | 7.2 | 8.5 | 9.8 | 11.4 | 10.9 | 10.7 | 15.2 | 19.8 | 20.3 | 18.7 | 23.6 | 25.4 | 26.0 | 28.4 | 28.4 | 28.2 | 33.9 | 26.8 | 27.8 | 22.7 | 24.7 | 23.3 | 25.0 | 22.8 | 7.2 | 33.9 | 20.8 |
| Jul 4 | 23.2 | 21.1 | 22.6 | 15.6 | 13.3 | 13.9 | 16.0 | 17.6 | 18.1 | 19.0 | 16.5 | 15.9 | 15.1 | 13.5 | 13.6 | 10.2 | 8.6 | 8.2 | 9.2 | 7.0 | 5.4 | 6.0 | 8.7 | 9.6 | 5.4 | 23.2 | 13.7 |
| Jul 5 | 8.7 | 7.4 | 7.6 | 10.6 | 11.0 | 7.8 | 6.4 | 9.9 | 11.3 | 12.3 | 13.7 | 8.8 | 11.0 | 3.2 | 7.7 | 10.5 | 10.3 | 14.8 | 7.7 | 11.5 | 9.6 | 6.6 | 5.5 | 3.4 | 3.2 | 14.8 | 9.1 |
| Jul 6 | 3.9 | 9.3 | 5.6 | 7.2 | 5.1 | 4.4 | 6.5 | 8.2 | 12.5 | 13.7 | 10.6 | 11.3 | 8.6 | 9.5 | 11.5 | 10.2 | 11.0 | 9.5 | 6.4 | 3.7 | 4.9 | 5.1 | 8.8 | 8.7 | 3.7 | 13.7 | 8.2 |
| Jul 7 | 8.1 | 9.6 | 9.0 | 8.3 | 7.0 | 9.0 | 8.4 | 11.1 | 13.5 | 17.5 | 19.9 | 21.3 | 18.8 | 14.2 | 20.7 | 19.7 | 16.4 | 21.0 | 22.8 | 12.2 | 9.2 | 8.8 | 11.1 | 12.9 | 7.0 | 22.8 | 13.8 |
| Jul 8 | 12.0 | 11.9 | 10.7 | 8.2 | 10.2 | 7.6 | 10.0 | 12.8 | 12.6 | 16.2 | 18.5 | 24.5 | 20.8 | 16.8 | 18.0 | 21.0 | 26.0 | 20.6 | 7.7 | 10.1 | 12.7 | 14.9 | 16.0 | 12.5 | 7.6 | 26.0 | 14.7 |
| Jul 9 | 17.7 | 24.4 | 17.8 | 20.0 | 17.8 | 16.7 | 22.8 | 32.0 | 34.0 | 36.7 | **39.9** | 33.7 | 38.2 | 35.9 | 35.5 | 33.6 | 31.8 | 30.1 | 29.3 | 24.6 | 10.6 | 5.3 | 10.8 | 9.9 | 5.3 | **39.9** | **25.4** |
| Jul 10 | 11.3 | 10.5 | 7.4 | 6.4 | 7.0 | 6.9 | 12.6 | 12.7 | 12.8 | 16.0 | 17.4 | 20.7 | 23.1 | 21.6 | 20.7 | 19.7 | 19.5 | 18.6 | 17.6 | 13.4 | 8.3 | 10.6 | 12.1 | 10.5 | 6.4 | 23.1 | 14.1 |
| Jul 11 | 9.2 | 10.0 | 10.3 | 8.2 | 8.3 | 9.8 | 14.8 | 18.2 | 24.9 | 26.4 | 27.5 | 27.5 | 31.6 | 31.4 | 33.3 | 32.6 | 34.0 | 32.3 | 30.9 | 29.8 | 19.0 | 9.4 | 5.6 | 19.0 | 5.6 | 34.0 | 21.0 |
| Jul 12 | 13.9 | 9.0 | 8.1 | 7.3 | 9.9 | 11.4 | 14.8 | 23.1 | 27.0 | 25.2 | 26.1 | 24.6 | 24.7 | 26.3 | 24.4 | 23.3 | 22.5 | 23.9 | 23.8 | 22.6 | 16.5 | 14.7 | 17.0 | 18.1 | 7.3 | 27.0 | 19.1 |
| Jul 13 | 11.3 | 7.5 | 9.4 | 8.3 | 4.6 | 4.6 | 7.1 | 10.0 | 12.1 | 11.4 | 14.4 | 16.5 | 14.1 | 12.8 | 12.2 | 10.2 | 8.5 | 7.0 | 9.6 | 6.0 | 2.8 | 3.4 | 3.5 | 4.0 | 2.8 | 16.5 | 8.8 |
| Jul 14 | 5.5 | 6.7 | 6.6 | 6.9 | 6.3 | 6.0 | 7.6 | 8.0 | 9.6 | 9.9 | 10.3 | 13.1 | 13.0 | 10.3 | 12.0 | 12.3 | 9.3 | 10.0 | 8.2 | 6.4 | 3.4 | 2.8 | 3.7 | 5.4 | 2.8 | 13.1 | 8.1 |
| Jul 15 | 8.6 | 9.3 | 9.2 | 10.4 | 4.1 | 3.8 | 3.7 | 5.8 | 9.9 | 9.5 | 11.3 | 11.2 | 8.9 | 9.0 | 9.3 | 8.7 | 6.7 | 7.4 | 10.4 | 8.5 | 9.3 | 13.1 | 14.0 | 14.5 | 3.7 | 14.5 | 9.0 |
| Jul 16 | 12.4 | 11.0 | 11.1 | 12.6 | 12.8 | 13.1 | 15.3 | 15.9 | 15.1 | 13.2 | 15.2 | 14.8 | 12.6 | 13.6 | 13.3 | 12.4 | 11.1 | 12.4 | 13.2 | 10.5 | 8.7 | 9.0 | 9.3 | 10.8 | 8.7 | 15.9 | 12.5 |
| Jul 17 | 10.9 | 11.0 | 9.5 | 8.9 | 9.1 | 10.3 | 8.3 | 3.8 | 4.1 | 6.5 | 9.6 | 9.1 | 7.6 | 8.2 | 8.0 | 4.6 | 5.9 | 4.1 | 4.0 | 6.3 | 11.0 | 13.4 | 13.8 | 12.4 | 3.8 | 13.8 | 8.4 |
| Jul 18 | 11.7 | 12.4 | 11.6 | 12.3 | 12.9 | 13.7 | 15.8 | 17.3 | 21.1 | 23.3 | 24.5 | 23.3 | 24.5 | 22.6 | 22.6 | 19.4 | 19.2 | 18.0 | 16.0 | 7.9 | 4.4 | 8.6 | 7.9 | 6.6 | 4.4 | 24.5 | 15.7 |
| Jul 19 | 5.4 | 5.2 | 5.3 | 6.3 | 1.6 | 3.6 | 2.1 | 4.8 | 5.6 | 5.1 | 2.6 | 5.5 | 12.8 | 10.1 | 8.2 | 10.0 | 14.9 | 21.4 | 20.7 | 15.1 | 9.6 | 9.6 | 6.8 | 2.5 | 1.6 | 21.4 | 8.1 |
| Jul 20 | 0.6 | 1.6 | 4.9 | 5.2 | 2.1 | 2.0 | 6.4 | 7.1 | 6.3 | 12.0 | 11.7 | 10.0 | 9.7 | 13.9 | 13.3 | 12.7 | 14.1 | 17.7 | 7.9 | 4.7 | 15.0 | 15.4 | 17.8 | 19.5 | 0.6 | 19.5 | 9.7 |
| Jul 21 | 14.7 | 12.6 | 12.4 | 11.4 | 17.6 | 14.0 | 9.9 | 7.9 | 7.2 | 4.8 | 5.5 | 7.6 | 7.1 | 8.8 | 12.4 | 11.0 | 9.0 | 8.5 | 7.7 | 6.9 | 2.1 | 3.2 | 4.0 | 4.3 | 2.1 | 17.6 | 8.8 |
| Jul 22 | 4.6 | 4.6 | 7.0 | 7.1 | 8.2 | 8.2 | 6.7 | 7.6 | 7.9 | 8.3 | 10.0 | 8.8 | 8.3 | 9.1 | 9.1 | 10.1 | 8.8 | 9.4 | 8.6 | 5.2 | 4.0 | 7.7 | 10.0 | 10.6 | 4.0 | 10.6 | 7.9 |
| Jul 23 | 11.3 | 10.0 | 10.1 | 9.1 | 10.9 | 7.7 | 11.9 | 11.0 | 6.1 | 7.0 | 9.9 | 10.2 | 14.0 | 14.8 | 17.0 | 14.4 | 13.0 | 12.4 | 9.9 | 9.2 | 8.8 | 10.5 | 12.3 | 13.2 | 6.1 | 17.0 | 11.0 |
| Jul 24 | 12.8 | 11.4 | 11.7 | 10.6 | 6.6 | 4.5 | 9.9 | 12.0 | 14.9 | 11.9 | 11.9 | 23.3 | 31.0 | 29.0 | 28.0 | 31.4 | 32.6 | 24.4 | 22.3 | 8.4 | 9.2 | 14.6 | 3.1 | 8.7 | 3.1 | 32.6 | 16.0 |
| Jul 25 | 7.9 | 5.0 | 8.1 | 7.4 | 9.7 | 7.4 | 8.4 | 11.4 | 17.9 | 21.3 | 20.3 | 20.4 | 21.7 | 19.5 | 19.0 | 20.2 | 18.3 | 16.6 | 13.6 | 8.6 | 9.3 | 6.1 | 2.9 | 3.4 | 2.9 | 21.7 | 12.7 |
| Jul 26 | 2.5 | 3.3 | 2.9 | 0.8 | 1.8 | 3.5 | **0.4** | 3.5 | 3.3 | 3.5 | 6.2 | 6.2 | 4.7 | 7.0 | 22.1 | 15.7 | 15.2 | 11.6 | 9.8 | 7.1 | 5.2 | 8.1 | 4.6 | 4.1 | **0.4** | 22.1 | **6.4** |
| Jul 27 | 5.6 | 5.2 | 5.0 | 5.8 | 6.2 | 6.3 | 9.1 | 9.1 | 8.3 | 8.9 | 8.4 | 8.8 | 10.3 | 9.8 | 4.8 | 8.5 | 7.3 | 6.2 | 6.9 | 6.7 | 4.9 | 5.4 | 6.7 | 8.0 | 4.8 | 10.3 | 7.2 |
| Jul 28 | 9.6 | 9.0 | 8.3 | 5.6 | 1.7 | 8.2 | 8.4 | 7.9 | 8.9 | 7.6 | 10.0 | 8.8 | 8.5 | 6.7 | 2.3 | 1.4 | 6.3 | 4.3 | 3.6 | 3.1 | 4.2 | 7.5 | 8.8 | 10.4 | 1.4 | 10.4 | 6.7 |
| Jul 29 | 11.9 | 10.4 | 10.5 | 8.9 | 7.4 | 9.4 | 9.8 | 11.9 | 12.4 | 9.5 | 11.0 | 9.7 | 8.5 | 5.1 | 4.3 | 4.6 | 6.2 | 6.0 | 6.2 | 3.8 | 5.1 | 8.1 | 12.2 | 14.6 | 3.8 | 14.6 | 8.6 |
| Jul 30 | 14.5 | 11.5 | 10.4 | 5.8 | 8.0 | 4.3 | 6.8 | 8.3 | 9.4 | 7.1 | 6.9 | 6.4 | 5.9 | 3.6 | 8.4 | 2.6 | 5.1 | 3.7 | 4.6 | 4.2 | 6.1 | 10.0 | 11.3 | 11.8 | 2.6 | 14.5 | 7.4 |
| Jul 31 | 13.2 | 10.9 | 13.2 | 14.4 | 13.4 | 13.2 | 13.5 | 15.9 | 14.5 | 13.2 | 11.6 | 12.8 | 15.1 | 14.6 | 10.9 | 7.7 | 8.8 | 11.8 | 12.6 | 11.7 | 11.2 | 15.8 | 6.7 | 5.5 | 5.5 | 15.9 | 12.2 |
| Diurnal Maximum | 23.2 | 24.4 | 22.6 | 20.0 | 17.8 | 16.7 | 22.8 | 32.0 | 34.0 | 36.7 | 39.9 | 33.7 | 38.2 | 35.9 | 35.5 | 33.6 | 34.0 | 36.2 | 30.9 | 29.8 | 24.7 | 23.3 | 25.0 | 22.8 | | | |
| Diurnal Average | 9.7 | 9.4 | 9.2 | 9.2 | 8.2 | 8.1 | 9.7 | 11.7 | 12.9 | 13.5 | 14.4 | 14.9 | 15.2 | 14.3 | 14.8 | 14.1 | 14.9 | 14.9 | 13.3 | 10.3 | 8.7 | 9.5 | 9.9 | 10.4 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



## *Peace River Area Monitoring Program*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

### WIND DIRECTION (VWD) in sector

| | | | |
|---|---|---|---|
| Monthly Average: | 233 (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 |
| Jul 1 | S | SW | W | S | SSE | E | SSW | SSW | SW | SW | WSW | SW | SW | SW | SW | WSW | S | SSW | S | S | SSE | SSE | SE | SSE | 196 | SSW |
| Jul 2 | SE | W | WNW | W | N | ENE | E | SW | S | S | SSW | SW | SW | WSW | W | NW | W | NW | NW | NNW | NE | SE | SSW | SSW | 264 | W |
| Jul 3 | SSW | S | S | SSW | SSW | SSW | SW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | WNW | WNW | W | W | W | W | 261 | W |
| Jul 4 | W | WNW | NW | NW | WNW | W | W | W | W | WSW | W | WSW | WSW | WSW | WSW | WSW | WSW | SW | SSW | SW | S | SSE | SSE | SSE | 264 | W |
| Jul 5 | SE | SE | SE | ESE | ESE | SE | SE | SE | SE | SE | SSE | S | S | SSE | E | SE | SE | S | SSE | NW | N | NE | NE | NE | 136 | SE |
| Jul 6 | NE | WNW | WNW | NNW | NNW | NW | WNW | WNW | WNW | NW | NW | WNW | NW | WNW | WNW | W | W | WNW | WSW | SW | WSW | E | SE | SSE | 294 | WNW |
| Jul 7 | SSE | S | SSW | SSW | S | S | S | SSW | SW | WSW | WSW | WSW | WSW | W | WSW | WSW | SW | WSW | WSW | WSW | SW | SSW | S | S | 230 | SW |
| Jul 8 | S | S | S | SSE | SSE | S | S | SW | WSW | WSW | SW | WSW | WSW | WSW | WSW | WSW | W | W | SSW | SSE | S | SSW | WSW | WSW | 229 | SW |
| Jul 9 | WSW | WSW | WSW | WSW | SW | SW | SW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | WNW | WNW | WNW | WSW | WSW | W | 262 | W |
| Jul 10 | W | W | W | WSW | W | W | WNW | W | WNW | W | W | W | WNW | W | WNW | W | W | W | WSW | WSW | SSW | S | S | S | 269 | W |
| Jul 11 | S | S | S | S | S | S | S | SSW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | SW | WSW | W | W | 242 | WSW |
| Jul 12 | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | W | W | WNW | WNW | WNW | WNW | WNW | W | W | 276 | W |
| Jul 13 | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WNW | NNW | N | N | NNE | N | N | N | N | NNE | N | NNE | NNE | NE | NE | NE | 335 | NNW |
| Jul 14 | NE | ENE | ENE | NE | NE | NNE | NNE | NE | NE | NNE | NNE | N | N | N | N | N | N | NNE | NNE | NE | NE | E | E | ESE | 26 | NNE |
| Jul 15 | ESE | SE | SE | ESE | SE | ESE | SE | SSE | SSE | SSE | S | SSW | SSW | SSW | SSW | SSW | S | SSE | SSE | SE | ESE | ESE | ESE | ESE | 153 | SSE |
| Jul 16 | SE | SE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | E | ENE | ENE | ENE | ENE | E | E | E | E | E | E | E | 102 | E |
| Jul 17 | ESE | ESE | ESE | ESE | E | ESE | ESE | SE | SSE | S | S | SSE | S | S | S | SSW | SSW | SE | S | SE | SE | SE | ESE | SE | 141 | SE |
| Jul 18 | SE | SE | SE | ESE | ESE | ESE | ESE | ESE | SE | SE | SE | SE | ESE | SE | SE | SE | SE | SE | SE | WSW | W | SW | SW | SSW | 133 | SE |
| Jul 19 | S | SSE | SSE | SSE | S | E | E | SE | SW | SSW | WSW | SE | SE | SE | ESE | E | SSE | SSW | SSW | SSW | S | SSW | SW | WNW | 176 | S |
| Jul 20 | SSW | ESE | E | ESE | WSW | W | SW | SW | W | W | W | WNW | W | WSW | WSW | W | NW | N | NNE | NNE | N | N | N | N | 318 | NW |
| Jul 21 | N | N | N | N | N | N | N | NNE | NNE | NE | N | NNW | NNW | NNW | N | NNW | NNW | NNW | NW | W | S | SE | S | S | 353 | N |
| Jul 22 | S | SSW | SSW | S | S | S | SSW | SW | WSW | WSW | WSW | SW | SSW | SW | SW | SSW | S | S | S | S | SE | ESE | ESE | ESE | 195 | SSW |
| Jul 23 | SE | SSE | SSE | SE | SE | S | SSE | SSE | S | SE | SSE | SE | ESE | SSE | SE | SSE | SSE | SE | SE | SE | ESE | SE | SE | ESE | 144 | SE |
| Jul 24 | ESE | SE | SSE | SSE | SE | E | ESE | SSE | S | S | SSW | WSW | W | W | W | W | W | NW | WNW | SW | WSW | NW | W | SW | 245 | WSW |
| Jul 25 | WSW | WSW | SSW | SSW | SSW | SSW | WSW | W | W | WNW | WNW | WNW | WNW | WNW | WNW | WNW | NW | WNW | WNW | W | NW | N | N | WSW | 287 | WNW |
| Jul 26 | SW | SW | NNW | NW | SSW | SSW | WNW | SW | SW | W | WSW | NNW | NW | NW | N | NNW | N | N | NNW | NNW | N | N | NNE | NE | 337 | NNW |
| Jul 27 | NNE | NNE | NE | NNE | NNE | NNE | NNE | N | NE | NE | N | N | NNE | NE | NNE | NNE | N | NNE | NNE | NE | NE | NE | ENE | ESE | 28 | NNE |
| Jul 28 | SE | SE | SE | SE | S | SSE | SSE | S | SSW | S | S | SSE | SSE | SSE | SSW | S | W | W | NNE | ENE | E | SE | ESE | ESE | 155 | SSE |
| Jul 29 | ESE | SE | SSE | SE | SSE | SSE | SSE | SSE | S | S | S | S | SW | WSW | W | SW | SW | SW | SW | SSW | SE | SE | SE | SE | 168 | SSE |
| Jul 30 | SE | SSE | SSE | SSE | SSE | SSE | SSE | S | SSW | S | S | SSW | S | SSW | WSW | SW | SW | WSW | ESE | ESE | ESE | ESE | ESE | ESE | 163 | SSE |
| Jul 31 | SE | ESE | ESE | SE | ESE | ESE | SE | SE | SE | SE | SE | SE | ESE | SE | SE | SE | SSE | SE | SE | SE | SE | WSW | WNW | ENE | 137 | SE |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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) | | | |

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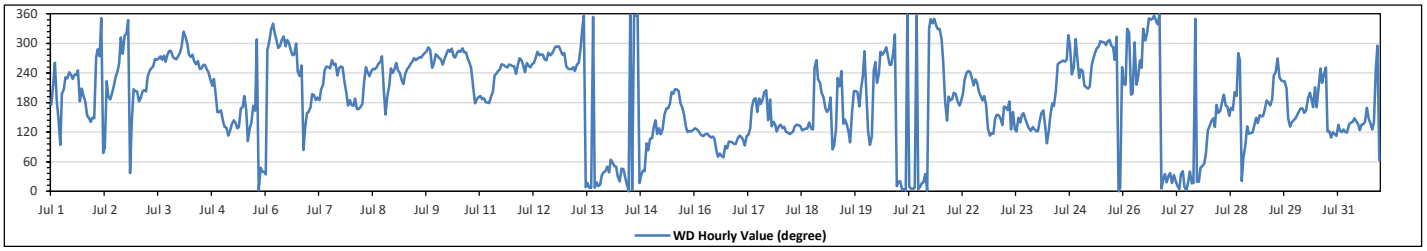
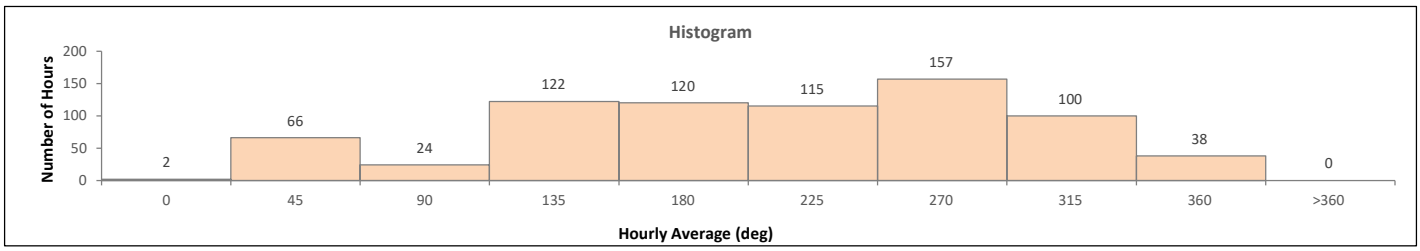
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.



## *Peace River Area Monitoring Program*

### *Reno-B Station - July 2025*

### Summary of Hourly Averages

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

**WIND SPEED**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 39.9 | kph | on Jul 9 at hr 10 | Hours in Service: | 744 |
| Maximum Daily Value: | 25.4 | kph | on Jul 9 | Hours of Data: | 744 |
| Minimum Hourly Value: | 0.4 | kph | on Jul 26 at hr 6 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 6.4 | kph | on Jul 26 | Hours of Calibration: | 0 |
| Monthly Average: | 4.1 | kph | | Operational Uptime: | 100.0 |

**WIND DIRECTION**

Monthly Average: 233 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 | | | |
| Jul 1 | 1.0 | 2.5 | 1.6 | 4.8 | 1.1 | 1.7 | 5.7 | 7.3 | 6.2 | 7.6 | 8.5 | 10.4 | 8.7 | 7.7 | 3.8 | 6.7 | 10.2 | 8.0 | 8.6 | 7.4 | 8.3 | 10.6 | 15.0 | 12.6 | 1.0 | 15.0 | 6.9 |
| | S | SW | W | S | SSE | E | SSW | SSW | SW | SW | WSW | SW | SW | SW | SW | WSW | S | SSW | S | S | SSE | SSE | SE | SSE | | | 196(SSW) |
| Jul 2 | 8.9 | 10.1 | 7.4 | 18.3 | 8.8 | 8.0 | 4.9 | 9.3 | 11.4 | 13.8 | 12.4 | 9.9 | 7.6 | 6.6 | 4.4 | 3.6 | 17.8 | 36.2 | 23.6 | 12.7 | 5.0 | 7.9 | 10.7 | 11.9 | 3.6 | 36.2 | 11.3 |
| | SE | W | WNW | W | N | ENE | E | SW | S | S | SSW | SW | SW | WSW | W | NW | W | NW | NW | NNW | NE | SE | SSW | SSW | | | 264(W) |
| Jul 3 | 7.2 | 8.5 | 9.8 | 11.4 | 10.9 | 10.7 | 15.2 | 19.8 | 20.3 | 18.7 | 23.6 | 25.4 | 26.0 | 28.4 | 28.4 | 28.2 | 33.9 | 26.8 | 27.8 | 22.7 | 24.7 | 23.3 | 25.0 | 22.8 | 7.2 | 33.9 | 20.8 |
| | SSW | S | S | SSW | SSW | SSW | SW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | WNW | WNW | W | W | W | W | | | 261(W) |
| Jul 4 | 23.2 | 21.1 | 22.6 | 15.6 | 13.3 | 13.9 | 16.0 | 17.6 | 18.1 | 19.0 | 16.5 | 15.9 | 15.1 | 13.5 | 13.6 | 10.2 | 8.6 | 8.2 | 9.2 | 7.0 | 5.4 | 6.0 | 8.7 | 9.6 | 5.4 | 23.2 | 13.7 |
| | W | WNW | NW | NW | WNW | W | W | W | W | WSW | W | WSW | WSW | WSW | WSW | WSW | WSW | SW | SSW | SW | S | SSE | SSE | SSE | | | 264(W) |
| Jul 5 | 8.7 | 7.4 | 7.6 | 10.6 | 11.0 | 7.8 | 6.4 | 9.9 | 11.3 | 12.3 | 13.7 | 8.8 | 11.0 | 3.2 | 7.7 | 10.5 | 10.3 | 14.8 | 7.7 | 11.5 | 9.6 | 6.6 | 5.5 | 3.4 | 3.2 | 14.8 | 9.1 |
| | SE | SE | SE | ESE | ESE | SE | SE | SE | SE | SE | SSE | S | S | SSE | E | SE | SE | S | SSE | NW | N | NE | NE | NE | | | 136(SE) |
| Jul 6 | 3.9 | 9.3 | 5.6 | 7.2 | 5.1 | 4.4 | 6.5 | 8.2 | 12.5 | 13.7 | 10.6 | 11.3 | 8.6 | 9.5 | 11.5 | 10.2 | 11.0 | 9.5 | 6.4 | 3.7 | 4.9 | 5.1 | 8.8 | 8.7 | 3.7 | 13.7 | 8.2 |
| | NE | WNW | WNW | NNW | NNW | NW | WNW | WNW | WNW | NW | NW | WNW | NW | WNW | WNW | W | W | WNW | WSW | SW | WSW | E | SE | SSE | | | 294(WNW) |
| Jul 7 | 8.1 | 9.6 | 9.0 | 8.3 | 7.0 | 9.0 | 8.4 | 11.1 | 13.5 | 17.5 | 19.9 | 21.3 | 18.8 | 14.2 | 20.7 | 19.7 | 16.4 | 21.0 | 22.8 | 12.2 | 9.2 | 8.8 | 11.1 | 12.9 | 7.0 | 22.8 | 13.8 |
| | SSE | S | SSW | SSW | S | S | S | SSW | SW | WSW | WSW | WSW | WSW | W | WSW | WSW | SW | WSW | WSW | WSW | SW | SSW | S | S | | | 230(SW) |
| Jul 8 | 12.0 | 11.9 | 10.7 | 8.2 | 10.2 | 7.6 | 10.0 | 12.8 | 12.6 | 16.2 | 18.5 | 24.5 | 20.8 | 16.8 | 18.0 | 21.0 | 26.0 | 20.6 | 7.7 | 10.1 | 12.7 | 14.9 | 16.0 | 12.5 | 7.6 | 26.0 | 14.7 |
| | S | S | S | SSE | SSE | S | S | SW | WSW | WSW | SW | WSW | WSW | WSW | WSW | WSW | W | W | SSW | SSE | S | SSW | WSW | WSW | | | 229(SW) |
| Jul 9 | 17.7 | 24.4 | 17.8 | 20.0 | 17.8 | 16.7 | 22.8 | 32.0 | 34.0 | 36.7 | **39.9** | 33.7 | 38.2 | 35.9 | 35.5 | 33.6 | 31.8 | 30.1 | 29.3 | 24.6 | 10.6 | 5.3 | 10.8 | 9.9 | 5.3 | **39.9** | **25.4** |
| | WSW | WSW | WSW | WSW | SW | SW | SW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | WNW | WNW | WNW | WSW | WSW | W | | | 262(W) |
| Jul 10 | 11.3 | 10.5 | 7.4 | 6.4 | 7.0 | 6.9 | 12.6 | 12.7 | 12.8 | 16.0 | 17.4 | 20.7 | 23.1 | 21.6 | 20.7 | 19.7 | 19.5 | 18.6 | 17.6 | 13.4 | 8.3 | 10.6 | 12.1 | 10.5 | 6.4 | 23.1 | 14.1 |
| | W | W | W | WSW | W | W | WNW | W | WNW | W | W | W | WNW | W | WNW | W | W | W | WSW | WSW | SSW | S | S | S | | | 269(W) |
| Jul 11 | 9.2 | 10.0 | 10.3 | 8.2 | 8.3 | 9.8 | 14.8 | 18.2 | 24.9 | 26.4 | 27.5 | 27.5 | 31.6 | 31.4 | 33.3 | 32.6 | 34.0 | 32.3 | 30.9 | 29.8 | 19.0 | 9.4 | 5.6 | 19.0 | 5.6 | 34.0 | 21.0 |
| | S | S | S | S | S | S | S | SSW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | SW | WSW | W | W | | | 242(WSW) |
| Jul 12 | 13.9 | 9.0 | 8.1 | 7.3 | 9.9 | 11.4 | 14.8 | 23.1 | 27.0 | 25.2 | 26.1 | 24.6 | 24.7 | 26.3 | 24.4 | 23.3 | 22.5 | 23.9 | 23.8 | 22.6 | 16.5 | 14.7 | 17.0 | 18.1 | 7.3 | 27.0 | 19.1 |
| | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | W | W | WNW | WNW | WNW | WNW | WNW | W | W | | | 276(W) |
| Jul 13 | 11.3 | 7.5 | 9.4 | 8.3 | 4.6 | 4.6 | 7.1 | 10.0 | 12.1 | 11.4 | 14.4 | 16.5 | 14.1 | 12.8 | 12.2 | 10.2 | 8.5 | 7.0 | 9.6 | 6.0 | 2.8 | 3.4 | 3.5 | 4.0 | 2.8 | 16.5 | 8.8 |
| | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WNW | NNW | N | N | NNE | N | N | N | N | NNE | N | NNE | NNE | NE | NE | NE | | | 335(NNW) |
| Jul 14 | 5.5 | 6.7 | 6.6 | 6.9 | 6.3 | 6.0 | 7.6 | 8.0 | 9.6 | 9.9 | 10.3 | 13.1 | 13.0 | 10.3 | 12.0 | 12.3 | 9.3 | 10.0 | 8.2 | 6.4 | 3.4 | 2.8 | 3.7 | 5.4 | 2.8 | 13.1 | 8.1 |
| | NE | ENE | ENE | NE | NE | NNE | NNE | NE | NE | NNE | NNE | N | N | N | N | N | N | NNE | NNE | NE | NE | E | E | ESE | | | 26(NNE) |
| Jul 15 | 8.6 | 9.3 | 9.2 | 10.4 | 4.1 | 3.8 | 3.7 | 5.8 | 9.9 | 9.5 | 11.3 | 11.2 | 8.9 | 9.0 | 9.3 | 8.7 | 6.7 | 7.4 | 10.4 | 8.5 | 9.3 | 13.1 | 14.0 | 14.5 | 3.7 | 14.5 | 9.0 |
| | ESE | SE | SE | ESE | SE | ESE | SE | SSE | SSE | SSE | S | SSW | SSW | SSW | SSW | SSW | S | SSE | SSE | SE | ESE | ESE | ESE | ESE | | | 153(SSE) |
| Jul 16 | 12.4 | 11.0 | 11.1 | 12.6 | 12.8 | 13.1 | 15.3 | 15.9 | 15.1 | 13.2 | 15.2 | 14.8 | 12.6 | 13.6 | 13.3 | 12.4 | 11.1 | 12.4 | 13.2 | 10.5 | 8.7 | 9.0 | 9.3 | 10.8 | 8.7 | 15.9 | 12.5 |
| | SE | SE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | ESE | E | ENE | ENE | ENE | ENE | E | E | E | E | E | E | E | | | 102(E) |
| Jul 17 | 10.9 | 11.0 | 9.5 | 8.9 | 9.1 | 10.3 | 8.3 | 3.8 | 4.1 | 6.5 | 9.6 | 9.1 | 7.6 | 8.2 | 8.0 | 4.6 | 5.9 | 4.1 | 4.0 | 6.3 | 11.0 | 13.4 | 13.8 | 12.4 | 3.8 | 13.8 | 8.4 |
| | ESE | ESE | ESE | ESE | E | ESE | ESE | SE | SSE | S | S | SSE | S | S | S | SSW | SSW | SE | S | SE | SE | SE | ESE | SE | | | 141(SE) |
| Jul 18 | 11.7 | 12.4 | 11.6 | 12.3 | 12.9 | 13.7 | 15.8 | 17.3 | 21.1 | 23.3 | 24.5 | 23.3 | 24.5 | 22.6 | 22.6 | 19.4 | 19.2 | 18.0 | 16.0 | 7.9 | 4.4 | 8.6 | 7.9 | 6.6 | 4.4 | 24.5 | 15.7 |
| | SE | SE | SE | ESE | ESE | ESE | ESE | ESE | SE | SE | SE | SE | ESE | SE | SE | SE | SE | SE | SE | WSW | W | SW | SW | SSW | | | 133(SE) |
| Jul 19 | 5.4 | 5.2 | 5.3 | 6.3 | 1.6 | 3.6 | 2.1 | 4.8 | 5.6 | 5.1 | 2.6 | 5.5 | 12.8 | 10.1 | 8.2 | 10.0 | 14.9 | 21.4 | 20.7 | 15.1 | 9.6 | 9.6 | 6.8 | 2.5 | 1.6 | 21.4 | 8.1 |
| | S | SSE | SSE | SSE | S | E | E | SE | SW | SSW | WSW | SE | SE | SE | ESE | E | SSE | SSW | SSW | SSW | S | SSW | SW | WNW | | | 176(S) |
| Jul 20 | 0.6 | 1.6 | 4.9 | 5.2 | 2.1 | 2.0 | 6.4 | 7.1 | 6.3 | 12.0 | 11.7 | 10.0 | 9.7 | 13.9 | 13.3 | 12.7 | 14.1 | 17.7 | 7.9 | 4.7 | 15.0 | 15.4 | 17.8 | 19.5 | 0.6 | 19.5 | 9.7 |
| | SSW | ESE | E | ESE | WSW | W | SW | SW | W | W | W | WNW | W | WSW | WSW | W | NW | N | NNE | NNE | N | N | N | N | | | 318(NW) |
| Jul 21 | 14.7 | 12.6 | 12.4 | 11.4 | 17.6 | 14.0 | 9.9 | 7.9 | 7.2 | 4.8 | 5.5 | 7.6 | 7.1 | 8.8 | 12.4 | 11.0 | 9.0 | 8.5 | 7.7 | 6.9 | 2.1 | 3.2 | 4.0 | 4.3 | 2.1 | 17.6 | 8.8 |
| | N | N | N | N | N | N | N | NNE | NNE | NE | N | NNW | NNW | NNW | N | NNW | NNW | NNW | NW | W | S | SE | S | S | | | 353(N) |
| Jul 22 | 4.6 | 4.6 | 7.0 | 7.1 | 8.2 | 8.2 | 6.7 | 7.6 | 7.9 | 8.3 | 10.0 | 8.8 | 8.3 | 9.1 | 9.1 | 10.1 | 8.8 | 9.4 | 8.6 | 5.2 | 4.0 | 7.7 | 10.0 | 10.6 | 4.0 | 10.6 | 7.9 |
| | S | SSW | SSW | S | S | S | SSW | SW | WSW | WSW | WSW | SW | SSW | SW | SW | SSW | S | S | S | S | SE | ESE | ESE | ESE | | | 195(SSW) |
| Jul 23 | 11.3 | 10.0 | 10.1 | 9.1 | 10.9 | 7.7 | 11.9 | 11.0 | 6.1 | 7.0 | 9.9 | 10.2 | 14.0 | 14.8 | 17.0 | 14.4 | 13.0 | 12.4 | 9.9 | 9.2 | 8.8 | 10.5 | 12.3 | 13.2 | 6.1 | 17.0 | 11.0 |
| | SE | SSE | SSE | SE | SE | S | SSE | SSE | S | SE | SSE | SE | ESE | SSE | SE | SSE | SSE | SE | SE | SE | ESE | SE | SE | ESE | | | 144(SE) |
| Jul 24 | 12.8 | 11.4 | 11.7 | 10.6 | 6.6 | 4.5 | 9.9 | 12.0 | 14.9 | 11.9 | 11.9 | 23.3 | 31.0 | 29.0 | 28.0 | 31.4 | 32.6 | 24.4 | 22.3 | 8.4 | 9.2 | 14.6 | 3.1 | 8.7 | 3.1 | 32.6 | 16.0 |
| | ESE | SE | SSE | SSE | SE | E | ESE | SSE | S | S | SSW | WSW | W | W | W | W | W | NW | WNW | SW | WSW | NW | W | SW | | | 245(WSW) |
| Jul 25 | 7.9 | 5.0 | 8.1 | 7.4 | 9.7 | 7.4 | 8.4 | 11.4 | 17.9 | 21.3 | 20.3 | 20.4 | 21.7 | 19.5 | 19.0 | 20.2 | 18.3 | 16.6 | 13.6 | 8.6 | 9.3 | 6.1 | 2.9 | 3.4 | 2.9 | 21.7 | 12.7 |
| | WSW | WSW | SSW | SSW | SSW | SSW | WSW | W | W | WNW | WNW | WNW | WNW | WNW | WNW | WNW | NW | WNW | WNW | W | NW | N | N | WSW | | | 287(WNW) |
| Jul 26 | 2.5 | 3.3 | 2.9 | 0.8 | 1.8 | 3.5 | **0.4** | 3.5 | 3.3 | 3.5 | 6.2 | 6.2 | 4.7 | 7.0 | 22.1 | 15.7 | 15.2 | 11.6 | 9.8 | 7.1 | 5.2 | 8.1 | 4.6 | 4.1 | **0.4** | 22.1 | **6.4** |
| | SW | SW | NNW | NW | SSW | SSW | WNW | SW | SW | W | WSW | NNW | NW | NW | N | NNW | N | N | NNW | NNW | N | N | NNE | NE | | | 337(NNW) |
| Jul 27 | 5.6 | 5.2 | 5.0 | 5.8 | 6.2 | 6.3 | 9.1 | 9.1 | 8.3 | 8.9 | 8.4 | 8.8 | 10.3 | 9.8 | 4.8 | 8.5 | 7.3 | 6.2 | 6.9 | 6.7 | 4.9 | 5.4 | 6.7 | 8.0 | 4.8 | 10.3 | 7.2 |
| | NNE | NNE | NE | NNE | NNE | NNE | NNE | N | NE | NE | N | N | NNE | NE | NNE | NNE | N | NNE | NNE | NE | NE | NE | ENE | ESE | | | 28(NNE) |
| Jul 28 | 9.6 | 9.0 | 8.3 | 5.6 | 1.7 | 8.2 | 8.4 | 7.9 | 8.9 | 7.6 | 10.0 | 8.8 | 8.5 | 6.7 | 2.3 | 1.4 | 6.3 | 4.3 | 3.6 | 3.1 | 4.2 | 7.5 | 8.8 | 10.4 | 1.4 | 10.4 | 6.7 |
| | SE | SE | SE | SE | S | SSE | SSE | S | SSW | S | S | SSE | SSE | SSE | SSW | S | W | W | NNE | ENE | E | SE | ESE | ESE | | | 155(SSE) |
| Jul 29 | 11.9 | 10.4 | 10.5 | 8.9 | 7.4 | 9.4 | 9.8 | 11.9 | 12.4 | 9.5 | 11.0 | 9.7 | 8.5 | 5.1 | 4.3 | 4.6 | 6.2 | 6.0 | 6.2 | 3.8 | 5.1 | 8.1 | 12.2 | 14.6 | 3.8 | 14.6 | 8.6 |
| | ESE | SE | SSE | SE | SSE | SSE | SSE | SSE | S | S | S | S | SW | WSW | W | SW | SW | SW | SW | SSW | SE | SE | SE | SE | | | 168(SSE) |
| Jul 30 | 14.5 | 11.5 | 10.4 | 5.8 | 8.0 | 4.3 | 6.8 | 8.3 | 9.4 | 7.1 | 6.9 | 6.4 | 5.9 | 3.6 | 8.4 | 2.6 | 5.1 | 3.7 | 4.6 | 4.2 | 6.1 | 10.0 | 11.3 | 11.8 | 2.6 | 14.5 | 7.4 |
| | SE | SSE | SSE | SSE | SSE | SSE | SSE | S | SSW | S | S | SSW | S | SSW | WSW | SW | SW | WSW | ESE | ESE | ESE | ESE | ESE | ESE | | | 163(SSE) |
| Jul 31 | 13.2 | 10.9 | 13.2 | 14.4 | 13.4 | 13.2 | 13.5 | 15.9 | 14.5 | 13.2 | 11.6 | 12.8 | 15.1 | 14.6 | 10.9 | 7.7 | 8.8 | 11.8 | 12.6 | 11.7 | 11.2 | 15.8 | 6.7 | 5.5 | 5.5 | 15.9 | 12.2 |
| | SE | ESE | ESE | SE | ESE | ESE | SE | SE | SE | SE | SE | SE | ESE | SE | SE | SE | SSE | SE | SE | SE | SE | WSW | WNW | ENE | | | 137(SE) |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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) | | | |

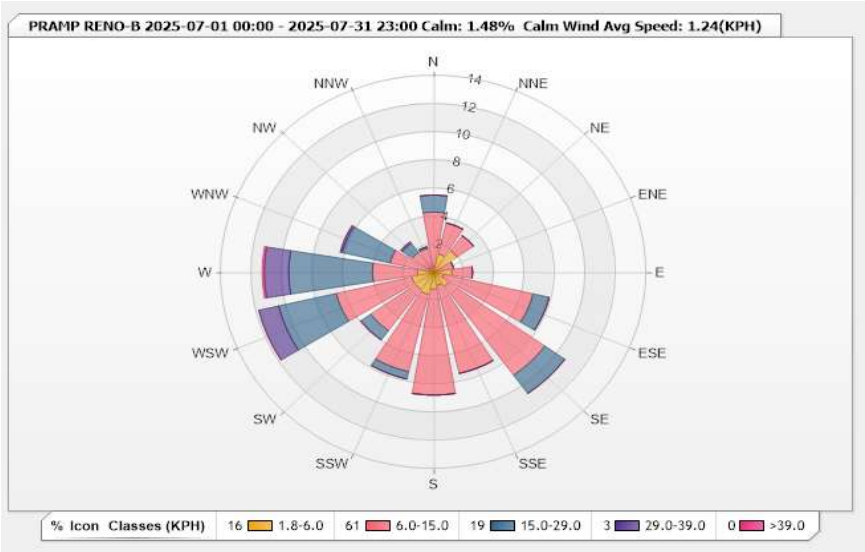
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

**Station: PRAMP RENO-B  Monitor: WDS [KPH]  Monthly: 07-2025**

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

Calm (WS<1.8kph): 1.48%  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 | 0.4 | 3.9 | 1.21 | 0 | 0 | 5.51 |
| NNE | 1.34 | 2.28 | 0 | 0 | 0 | 3.62 |
| NE | 1.88 | 1.34 | 0 | 0 | 0 | 3.22 |
| ENE | 0.27 | 1.08 | 0 | 0 | 0 | 1.35 |
| E | 1.21 | 1.34 | 0 | 0 | 0 | 2.55 |
| ESE | 0.67 | 6.05 | 1.08 | 0 | 0 | 7.8 |
| SE | 1.21 | 7.8 | 1.61 | 0 | 0 | 10.62 |
| SSE | 0.94 | 6.45 | 0 | 0 | 0 | 7.39 |
| S | 1.21 | 7.53 | 0 | 0 | 0 | 8.74 |
| SSW | 1.61 | 5.65 | 0.54 | 0 | 0 | 7.8 |
| SW | 1.48 | 3.63 | 0.81 | 0 | 0 | 5.92 |
| WSW | 1.48 | 5.11 | 3.9 | 1.34 | 0 | 11.83 |
| W | 1.08 | 2.96 | 5.51 | 1.61 | 0.13 | 11.29 |
| WNW | 0.27 | 2.69 | 3.23 | 0.13 | 0 | 6.32 |
| NW | 0.4 | 1.34 | 0.81 | 0.13 | 0 | 2.68 |
| NNW | 0.27 | 1.48 | 0.13 | 0 | 0 | 1.88 |
| Summary | 15.72 | 60.63 | 18.83 | 3.21 | 0.13 | 98.52 |



# PRC STATION

*Peace River Area Monitoring Program*

*Peace River Complex (PRC) Station - July 2025*

**Summary of Hourly Averages**

**SULPHUR DIOXIDE ($SO_2$) in ppb**

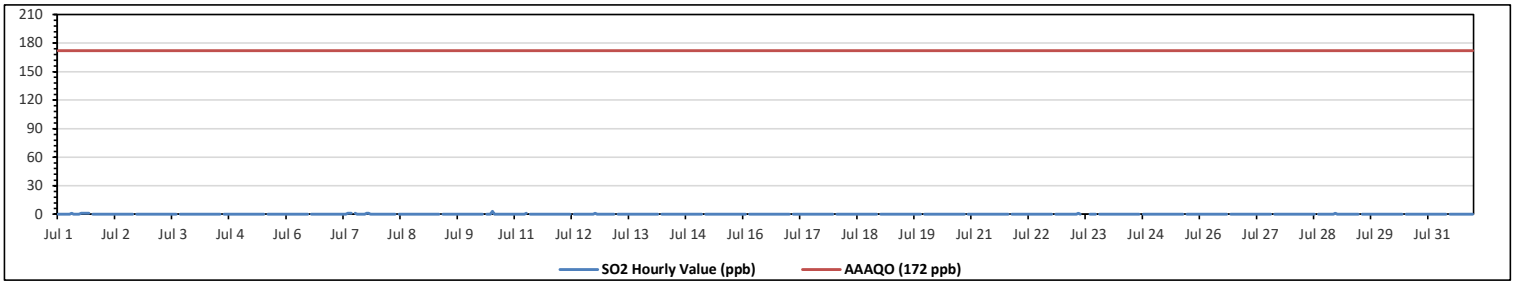
**Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb**

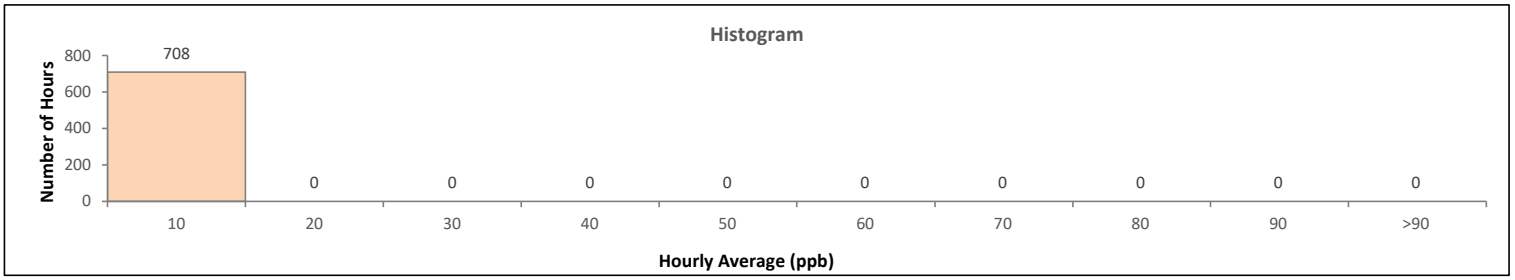
| | | | | | | |
|---|---|---|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | Number of 24-Hour Exceedances: | 0 | 30-Day Exceedence: | 0 | |
| Maximum Hourly Value: | 3 | ppb | on Jul 10 at hr 12 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.3 | ppb | on Jul 1 | Hours of Data: | 708 | |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 0 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 0.0 | ppb | on Jul 2 | Hours of Calibration: | 36 | |
| 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 | | | |
| Jul 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | **0.3** |
| Jul 2 | 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 |
| Jul 3 | 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 |
| Jul 4 | 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 |
| Jul 5 | 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 |
| Jul 6 | 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 |
| Jul 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | S | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | **0.3** |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.1 |
| Jul 11 | 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 |
| Jul 12 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 13 | 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 |
| Jul 14 | 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 |
| Jul 15 | 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 |
| Jul 16 | 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 |
| Jul 17 | 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 |
| Jul 18 | 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 |
| Jul 19 | 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 |
| Jul 20 | 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 |
| Jul 21 | 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 |
| Jul 22 | 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 |
| Jul 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | C | C | C | C | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 24 | 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 |
| Jul 25 | 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 |
| Jul 26 | 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 |
| Jul 27 | 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 |
| Jul 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0.0 |
| Jul 29 | 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 |
| Jul 30 | 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 |
| Jul 31 | 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 |
| Diurnal Maximum | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 3 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | | | |
| Diurnal Average | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 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.



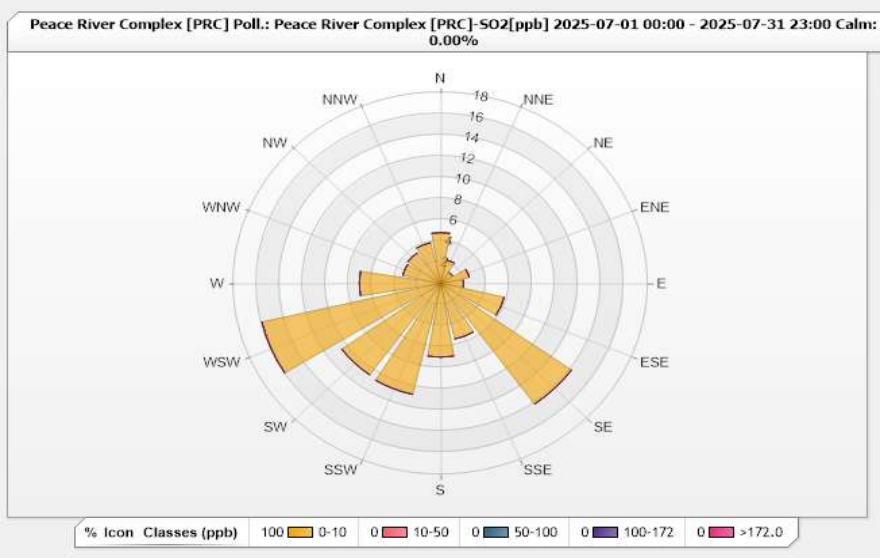



**Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-SO2[ppb] Monthly: 07-2025**

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 | 4.8 | 0 | 0 | 0 | 0 | 4.8 |
| NNE | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NE | 1.27 | 0 | 0 | 0 | 0 | 1.27 |
| ENE | 2.54 | 0 | 0 | 0 | 0 | 2.54 |
| E | 1.98 | 0 | 0 | 0 | 0 | 1.98 |
| ESE | 5.65 | 0 | 0 | 0 | 0 | 5.65 |
| SE | 13.98 | 0 | 0 | 0 | 0 | 13.98 |
| SSE | 5.37 | 0 | 0 | 0 | 0 | 5.37 |
| S | 6.92 | 0 | 0 | 0 | 0 | 6.92 |
| SSW | 10.73 | 0 | 0 | 0 | 0 | 10.73 |
| SW | 10.59 | 0 | 0 | 0 | 0 | 10.59 |
| WSW | 15.96 | 0 | 0 | 0 | 0 | 15.96 |
| W | 7.06 | 0 | 0 | 0 | 0 | 7.06 |
| WNW | 3.39 | 0 | 0 | 0 | 0 | 3.39 |
| NW | 3.53 | 0 | 0 | 0 | 0 | 3.53 |
| NNW | 3.95 | 0 | 0 | 0 | 0 | 3.95 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*Peace River Complex (PRC) Station - July 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**

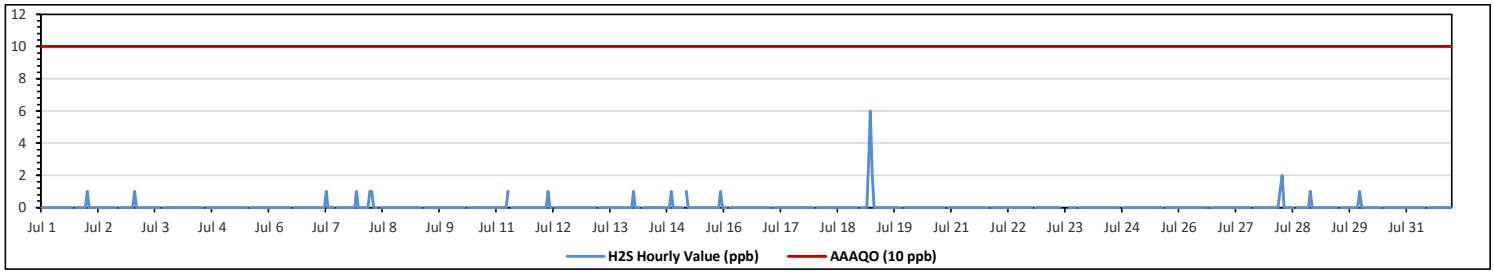
| | | | | | |
|---|---|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | | Number of 24-Hour Exceedances: | 0 | |
| Maximum Hourly Value: | 6 | ppb | on Jul 19 at hr 5 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.0 | ppb | on Jul 1 | Hours of Data: | 708 |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 0 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 0.0 | ppb | on Jul 1 | Hours of Calibration: | 36 |
| Monthly Average: | 0.0 | ppb | | Operational Uptime: | 100.0 |

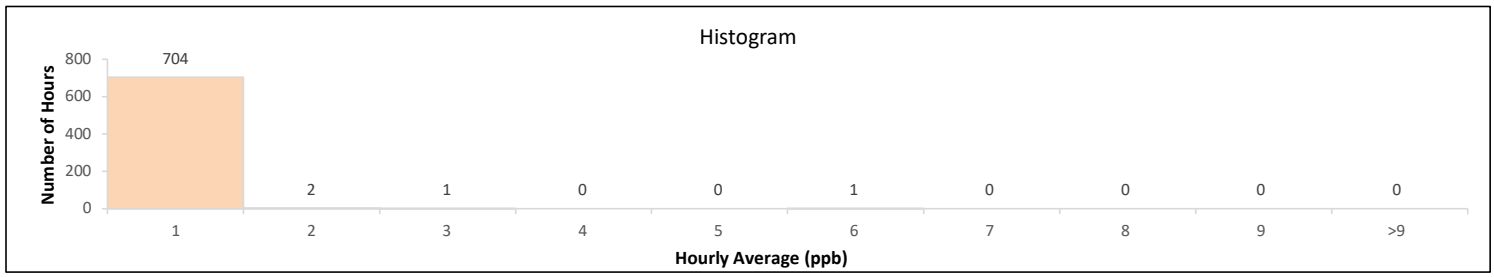
| Day | Hourly Period Starting at (MST) | | | | | | | | | | | | | | | | | | | | | | | Daily Minimum | Daily Maximum | Daily Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12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



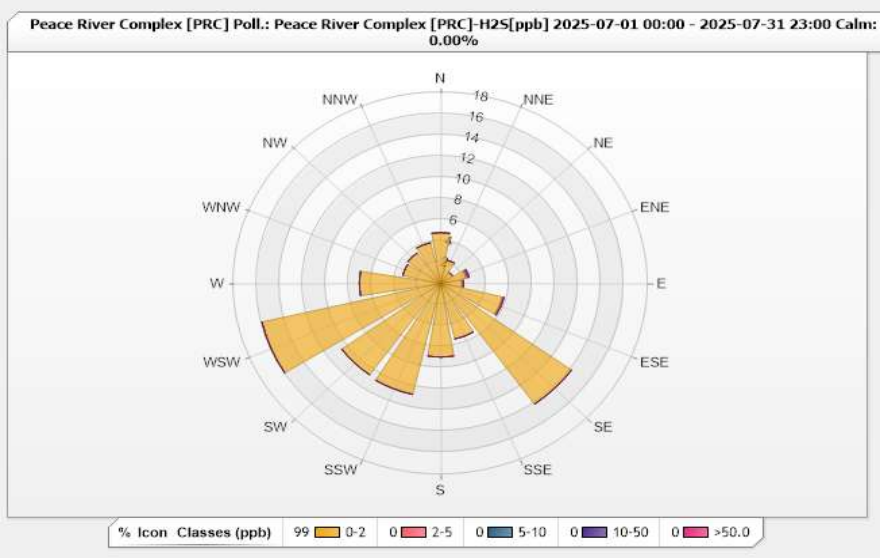



**Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-H2S[ppb] Monthly: 07-2025**

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 | 4.8 | 0 | 0 | 0 | 0 | 4.8 |
| NNE | 2.26 | 0 | 0 | 0 | 0 | 2.26 |
| NE | 1.27 | 0 | 0 | 0 | 0 | 1.27 |
| ENE | 2.26 | 0.14 | 0.14 | 0 | 0 | 2.54 |
| E | 1.84 | 0.14 | 0 | 0 | 0 | 1.98 |
| ESE | 5.51 | 0.14 | 0 | 0 | 0 | 5.65 |
| SE | 13.98 | 0 | 0 | 0 | 0 | 13.98 |
| SSE | 5.37 | 0 | 0 | 0 | 0 | 5.37 |
| S | 6.92 | 0 | 0 | 0 | 0 | 6.92 |
| SSW | 10.73 | 0 | 0 | 0 | 0 | 10.73 |
| SW | 10.59 | 0 | 0 | 0 | 0 | 10.59 |
| WSW | 15.96 | 0 | 0 | 0 | 0 | 15.96 |
| W | 7.06 | 0 | 0 | 0 | 0 | 7.06 |
| WNW | 3.39 | 0 | 0 | 0 | 0 | 3.39 |
| NW | 3.53 | 0 | 0 | 0 | 0 | 3.53 |
| NNW | 3.95 | 0 | 0 | 0 | 0 | 3.95 |
| Summary | 99.42 | 0.42 | 0.14 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***Peace River Complex (PRC) Station - July 2025***

**Summary of Hourly Averages**

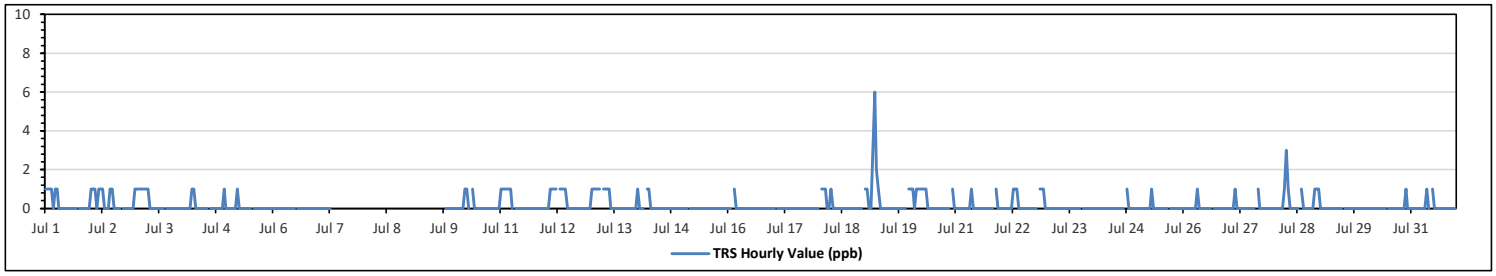
**TOTAL REDUCED SULPHUR (TRS) in ppb**

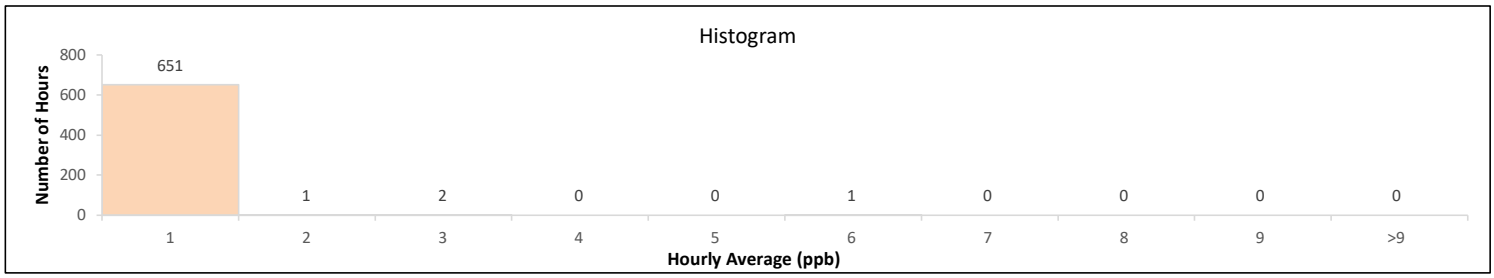
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 6 | ppb | on Jul 19 at hr 5 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.7 | ppb | on Jul 19 | Hours of Data: | 655 |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 4 | Hours of Missing Data: | 57 |
| Minimum Daily Value: | 0.0 | ppb | on Jul 6 | Hours of Calibration: | 32 |
| Monthly Average: | 0.2 | ppb | | Operational Uptime: | 92.3 |

| 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 | | | |
| Jul 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| Jul 2 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0.4 |
| Jul 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| Jul 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.1 |
| Jul 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 6 | 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 |
| Jul 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 0 | 0 | NA |
| Jul 8 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - |
| Jul 9 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | C | C | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| Jul 10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 11 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| Jul 12 | 0 | 0 | 1 | 1 | 1 | 1 | S | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| Jul 13 | 1 | 1 | 1 | 1 | 1 | S | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.4 |
| Jul 14 | 1 | 0 | 0 | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 15 | 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 |
| Jul 16 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 17 | 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 |
| Jul 18 | S | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 1 | 0.2 |
| Jul 19 | 1 | 1 | 0 | 0 | 3 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 6 | 0.7 |
| Jul 20 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 1 | 0.4 |
| Jul 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 22 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 1 | 0 | 0 | 1 | 0.3 |
| Jul 23 | 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 |
| Jul 24 | 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 |
| Jul 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 27 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 28 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 | 0.4 |
| Jul 29 | 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 |
| Jul 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Diurnal Maximum | 1 | 1 | 1 | 1 | 3 | 6 | 3 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | | | |
| Diurnal Average | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.5 | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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.



*Peace River Area Monitoring Program*

*Peace River Complex (PRC) Station - July 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:** 1

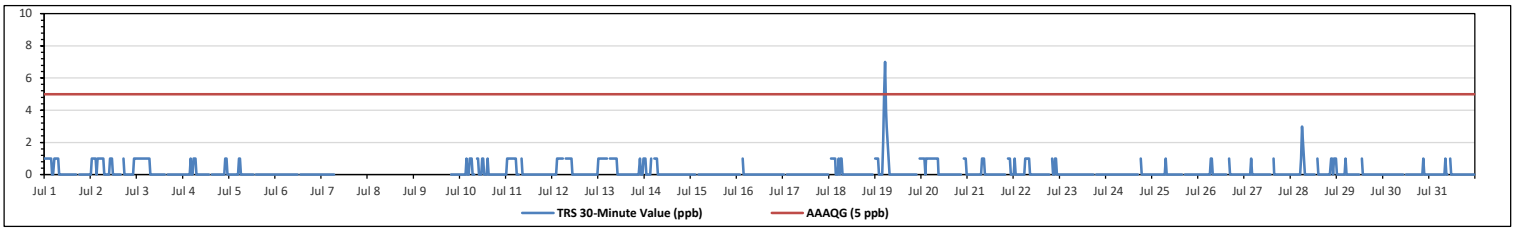
| | | | | | |
|---|---|---|---|---|---|
| Maximum 30-Minute Value: | 7 | ppb | on Jul 19 at 05:00 | # of Instrument in Service | 1488 |
| Maximum Daily Value: | 1.0 | ppb | on Jul 19 | # of Valid Measurements | 1309 |
| Minimum 30-Minute Value: | 0 | ppb | Jul 1 at 04:00 | # of Missing Measurements: | 114 |
| Minimum Daily Value: | 0.0 | ppb | on Jul 1 | # of Calibration: | 65 |
| Monthly Average: | 0.2 | ppb | | Operational Uptime: | 92.3 |

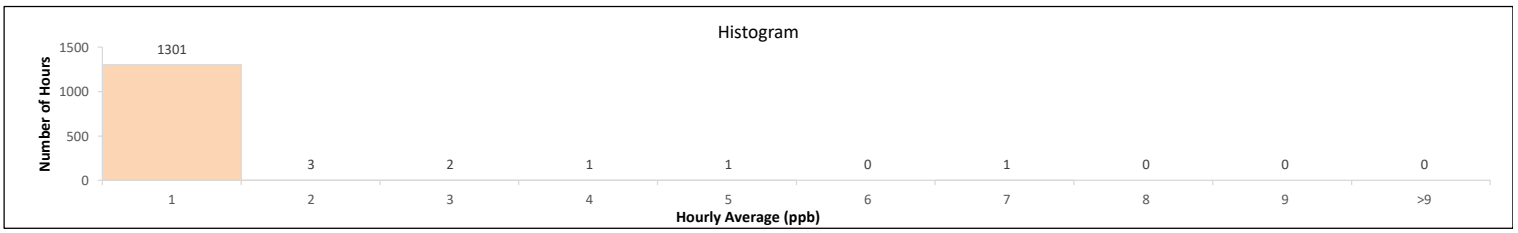
| 30-Minute Period Starting at (MST) | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 | Jul 27 | Jul 28 | Jul 29 | Jul 30 | Jul 31 | Diurnal Maximum | Diurnal Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| 00:30 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | S | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| 01:00 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 0 | 1 | 0 | 0 | 0 | S | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| 01:30 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 0 | 1 | 0 | 0 | 0 | S | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| 02:00 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 0 | 1 | 0 | 0 | S | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| 02:30 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 1 | 1 | 0 | 0 | S | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| 03:00 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 1 | 1 | 0 | S | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.3 |
| 03:30 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 1 | 1 | 1 | 1 | 1 | S | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.4 |
| 04:00 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | X | X | 0 | 1 | 1 | 1 | S | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.3 |
| 04:30 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 1 | 1 | 1 | S | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0.4 |
| 05:00 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | X | X | 1 | 1 | 1 | S | 1 | 0 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0.6 |
| 05:30 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | X | X | 1 | 0 | 1 | S | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0.5 |
| 06:00 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | X | X | 1 | 0 | S | 1 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0.6 |
| 06:30 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | X | X | 0 | 0 | S | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0.5 |
| 07:00 | 1 | 0 | 0 | 0 | 0 | 0 | X | X | X | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0.3 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | S | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| 08:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | S | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0.2 |
| 09:00 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| 09:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| 10:00 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | X | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0.1 |
| 10:30 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0.0 |
| 11:00 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 0.1 |
| 11:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | X | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 1 | 0.0 |
| 12:00 | 0 | 0 | 0 | 0 | 0 | S | X | X | X | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 1 | 0.0 |
| 12:30 | 0 | 0 | 0 | 0 | 0 | S | X | X | X | 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 |
| 13:00 | 0 | 0 | 0 | 0 | S | 0 | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 1 | 0.0 |
| 13:30 | 0 | 0 | 0 | 0 | S | 0 | X | X | X | 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 |
| 14:00 | 0 | 0 | 0 | S | 0 | 0 | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 1 | 0.0 |
| 14:30 | 0 | 0 | 0 | S | 0 | 0 | X | X | X | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 1 | 0.0 |
| 15:00 | 0 | 0 | S | 0 | 0 | 0 | X | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| 15:30 | 0 | 0 | S | 0 | 0 | 0 | X | X | X | 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 |
| 16:00 | 0 | S | 0 | 0 | 0 | 0 | X | X | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| 16:30 | 0 | S | 0 | 0 | 0 | 0 | X | X | C | 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 |
| 17:00 | S | 1 | 0 | 0 | 0 | 0 | X | X | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| 17:30 | S | 0 | 0 | 0 | 0 | 0 | X | X | C | 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 |
| 18:00 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| 18:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | C | 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 |
| 19:00 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | C | 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 |
| 19:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | 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 |
| 20:00 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| 20:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | 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 |
| 21:00 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0.1 |
| 21:30 | 0 | 0 | 0 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.1 |
| 22:00 | 0 | 0 | 0 | 1 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| 22:30 | 0 | 1 | 0 | 1 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.1 |
| 23:00 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.1 |
| 23:30 | 0 | 1 | 0 | 0 | 0 | 0 | X | X | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.1 |
| 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 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 7 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | | |
| 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 | 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 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



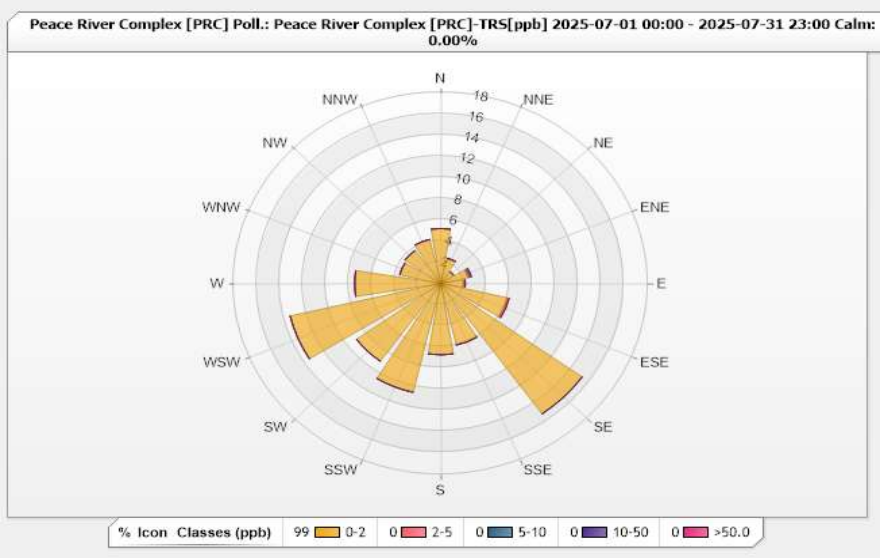



**Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-TRS[ppb] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 88.04% Calm Avg: 0.00 [ppb]

| Direction | 0-2 | 2-5 | 5-10 | 10-50 | >50.0 | Total |
|---|---|---|---|---|---|---|
| N | 5.19 | 0 | 0 | 0 | 0 | 5.19 |
| NNE | 2.44 | 0 | 0 | 0 | 0 | 2.44 |
| NE | 1.37 | 0 | 0 | 0 | 0 | 1.37 |
| ENE | 2.44 | 0.15 | 0.15 | 0 | 0 | 2.74 |
| E | 1.98 | 0.15 | 0 | 0 | 0 | 2.13 |
| ESE | 5.95 | 0.15 | 0 | 0 | 0 | 6.1 |
| SE | 15.11 | 0 | 0 | 0 | 0 | 15.11 |
| SSE | 5.95 | 0 | 0 | 0 | 0 | 5.95 |
| S | 6.72 | 0 | 0 | 0 | 0 | 6.72 |
| SSW | 10.53 | 0 | 0 | 0 | 0 | 10.53 |
| SW | 9.01 | 0 | 0 | 0 | 0 | 9.01 |
| WSW | 13.44 | 0 | 0 | 0 | 0 | 13.44 |
| W | 7.48 | 0 | 0 | 0 | 0 | 7.48 |
| WNW | 3.66 | 0 | 0 | 0 | 0 | 3.66 |
| NW | 3.82 | 0 | 0 | 0 | 0 | 3.82 |
| NNW | 4.27 | 0 | 0 | 0 | 0 | 4.27 |
| Summary | 99.36 | 0.45 | 0.15 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

### *Peace River Complex (PRC) Station - July 2025*

### Summary of Hourly Averages

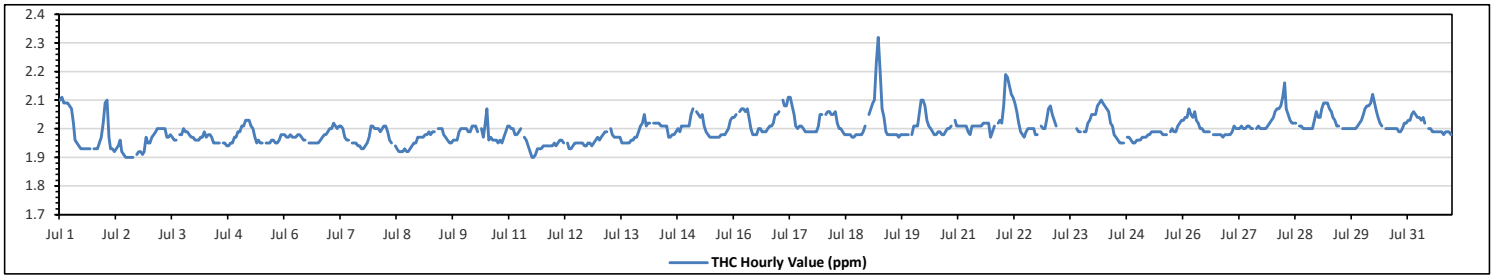
### TOTAL HYDROCARBONS (THC) in ppm

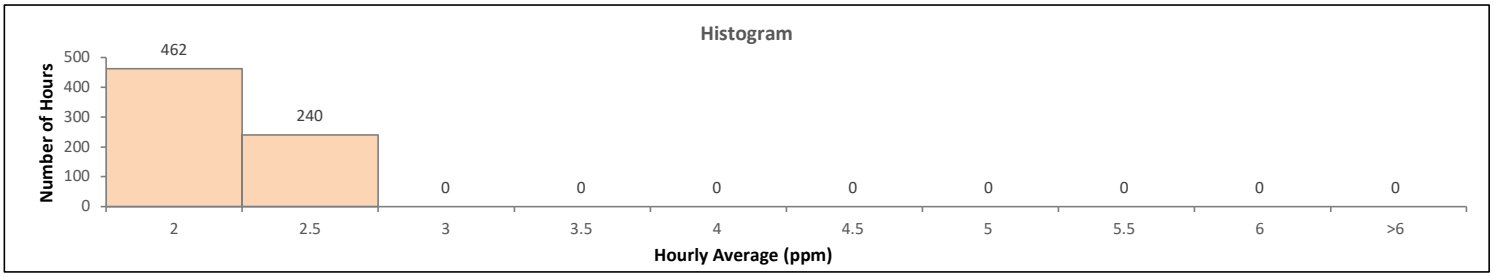
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.32 | ppm | on Jul 19 at hr 5 | Hours in Service: | 744 | |
| Maximum Daily Value: | 2.04 | ppm | on Jul 22 | Hours of Data: | 702 | |
| Minimum Hourly Value: | 1.90 | ppm | on Jul 2 at hr 11 | Hours of Missing Data: | 5 | |
| Minimum Daily Value: | 1.94 | ppm | on Jul 2 | Hours of Calibration: | 37 | |
| Monthly Average: | 2.00 | ppm | | 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 | | | |
| Jul 1 | 2.10 | 2.11 | 2.09 | 2.09 | 2.09 | 2.08 | 2.07 | 2.02 | 1.96 | 1.95 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | S | 1.93 | 1.93 | 1.93 | 1.95 | 1.97 | 2.02 | 1.93 | 2.11 | 1.99 |
| Jul 2 | 2.09 | 2.10 | 1.97 | 1.93 | 1.93 | 1.92 | 1.93 | 1.94 | 1.96 | 1.92 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | S | 1.91 | 1.92 | 1.92 | 1.91 | 1.92 | 1.97 | 1.95 | 1.90 | 2.10 | 1.94 |
| Jul 3 | 1.95 | 1.97 | 1.98 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.97 | 1.97 | 1.98 | 1.97 | 1.96 | 1.96 | S | 1.98 | 1.98 | 2.00 | 1.99 | 1.99 | 1.98 | 1.97 | 1.97 | 1.95 | 2.00 | 1.98 |
| Jul 4 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.99 | 1.97 | 1.98 | 1.98 | 1.97 | 1.95 | 1.95 | 1.95 | 1.95 | S | 1.95 | 1.95 | 1.94 | 1.94 | 1.95 | 1.95 | 1.97 | 1.97 | 1.99 | 1.94 | 1.99 | 1.96 |
| Jul 5 | 1.99 | 2.01 | 2.01 | 2.03 | 2.03 | 2.03 | 2.01 | 2.00 | 1.97 | 1.95 | 1.96 | 1.95 | 1.95 | S | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.98 | 1.98 | 1.95 | 2.03 | 1.98 |
| Jul 6 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.97 | 1.96 | 1.96 | S | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.97 | 1.98 | 1.98 | 1.99 | 1.95 | 1.99 | 1.97 |
| Jul 7 | 2.00 | 2.00 | 2.02 | 2.01 | 2.00 | 2.01 | 2.01 | 2.00 | 1.97 | 1.96 | 1.96 | S | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.93 | 1.94 | 1.95 | 1.97 | 2.01 | 2.01 | 1.93 | 2.02 | 1.97 |
| Jul 8 | 2.00 | 2.00 | 2.00 | 1.99 | 2.00 | 2.01 | 2.01 | 1.99 | 1.96 | 1.95 | S | 1.94 | 1.93 | 1.92 | 1.92 | 1.92 | 1.93 | 1.92 | 1.92 | 1.93 | 1.94 | 1.95 | 1.95 | 1.97 | 1.92 | 2.01 | 1.96 |
| Jul 9 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | 1.99 | 1.99 | S | 2.00 | 2.00 | 2.00 | 1.98 | 1.97 | 1.96 | 1.95 | 1.95 | 1.96 | 1.96 | 1.96 | 1.99 | 2.00 | 2.00 | 1.95 | 2.00 | 1.98 |
| Jul 10 | 2.00 | 2.00 | 1.99 | 1.99 | 2.01 | 2.01 | 2.01 | 1.99 | S | 2.00 | 1.97 | 2.02 | 2.07 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.96 | 1.95 | 1.97 | 1.99 | 2.01 | 1.95 | 2.07 | 1.99 |
| Jul 11 | 2.01 | 2.00 | 2.00 | 1.98 | 1.98 | 1.99 | 2.00 | S | 1.97 | 1.96 | 1.94 | 1.92 | 1.90 | 1.90 | 1.91 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.90 | 2.01 | 1.95 |
| Jul 12 | 1.95 | 1.94 | 1.95 | 1.96 | 1.96 | 1.95 | S | 1.95 | 1.93 | 1.93 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.95 | 1.95 | 1.94 | 1.95 | 1.96 | 1.97 | 1.93 | 1.97 | 1.95 |
| Jul 13 | 1.96 | 1.97 | 1.98 | 1.99 | 1.99 | S | 2.00 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.97 | 1.97 | 1.99 | 2.01 | 2.02 | 1.95 | 2.02 | 1.97 |
| Jul 14 | 2.05 | 2.01 | 2.02 | 2.02 | S | 2.02 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 2.00 | 1.99 | 2.01 | 2.01 | 2.01 | 2.01 | 1.97 | 2.05 | 2.01 |
| Jul 15 | 2.01 | 2.05 | 2.07 | S | 2.06 | 2.05 | 2.04 | 2.05 | 2.01 | 1.99 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.99 | 2.00 | 2.03 | 2.04 | 1.97 | 2.07 | 2.01 |
| Jul 16 | 2.04 | 2.05 | S | 2.06 | 2.07 | 2.07 | 2.06 | 2.07 | 2.04 | 2.00 | 1.98 | 1.98 | 1.98 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | 2.01 | 2.01 | 2.02 | 2.05 | 2.05 | 1.98 | 2.07 | 2.02 |
| Jul 17 | 2.06 | S | 2.10 | 2.08 | 2.08 | 2.11 | 2.11 | 2.08 | 2.05 | 2.01 | 2.00 | 2.01 | 2.01 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.01 | 2.05 | 2.05 | 1.99 | 2.11 | 2.03 |
| Jul 18 | S | 2.05 | 2.06 | 2.06 | 2.05 | 2.05 | 2.06 | 2.02 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | S | 1.97 | 2.06 | 2.01 |
| Jul 19 | 2.05 | 2.07 | 2.09 | 2.10 | 2.23 | 2.32 | 2.20 | 2.07 | 2.04 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | S | 1.98 | 1.97 | 2.32 | 2.04 |
| Jul 20 | 2.01 | 2.01 | 2.01 | 2.06 | 2.10 | 2.10 | 2.08 | 2.03 | 2.01 | 2.00 | 1.99 | 1.98 | 1.98 | 1.99 | 1.99 | 1.98 | 1.98 | 1.99 | 2.00 | 2.00 | 2.01 | S | 2.03 | 2.01 | 1.98 | 2.10 | 2.01 |
| Jul 21 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 1.99 | 1.98 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.02 | 2.02 | 2.02 | 2.02 | 1.97 | 1.99 | 2.01 | S | 2.02 | 2.03 | 2.02 | 1.97 | 2.03 | 2.01 |
| Jul 22 | 2.08 | 2.19 | 2.18 | 2.15 | 2.12 | 2.11 | 2.09 | 2.06 | 2.02 | 1.99 | 1.98 | 1.97 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 1.98 | 1.98 | S | 2.01 | 2.00 | 2.00 | 2.03 | 1.97 | 2.19 | 2.04 |
| Jul 23 | 2.07 | 2.08 | 2.05 | 2.03 | 2.01 | X | X | X | X | X | C | C | C | C | C | 2.00 | 1.99 | 1.99 | S | 1.99 | 1.99 | 2.02 | 2.03 | 2.05 | 1.99 | 2.08 | NA |
| Jul 24 | 2.05 | 2.05 | 2.08 | 2.09 | 2.10 | 2.09 | 2.08 | 2.07 | 2.06 | 2.02 | 2.01 | 1.98 | 1.97 | 1.96 | 1.95 | 1.95 | 1.95 | S | 1.97 | 1.97 | 1.96 | 1.95 | 1.95 | 1.96 | 1.95 | 2.10 | 2.01 |
| Jul 25 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | S | 1.99 | 2.00 | 1.99 | 1.99 | 2.01 | 2.02 | 2.03 | 1.96 | 2.03 | 1.99 |
| Jul 26 | 2.03 | 2.04 | 2.04 | 2.07 | 2.05 | 2.04 | 2.06 | 2.03 | 2.02 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | 1.97 | 2.07 | 2.01 |
| Jul 27 | 1.98 | 1.98 | 1.99 | 2.01 | 2.00 | 2.00 | 2.00 | 2.01 | 2.00 | 2.00 | 2.01 | 2.01 | 2.00 | 2.00 | S | 2.00 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.02 | 2.03 | 1.98 | 2.03 | 2.00 |
| Jul 28 | 2.04 | 2.06 | 2.07 | 2.07 | 2.08 | 2.11 | 2.16 | 2.07 | 2.05 | 2.03 | 2.02 | 2.02 | 2.02 | S | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.03 | 2.06 | 2.00 | 2.16 | 2.04 |
| Jul 29 | 2.04 | 2.04 | 2.07 | 2.09 | 2.09 | 2.09 | 2.07 | 2.06 | 2.04 | 2.03 | 2.01 | 2.01 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.02 | 2.03 | 2.00 | 2.09 | 2.03 |
| Jul 30 | 2.05 | 2.07 | 2.08 | 2.08 | 2.09 | 2.12 | 2.09 | 2.06 | 2.04 | 2.02 | 2.01 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.02 | 2.02 | 1.99 | 2.12 | 2.03 |
| Jul 31 | 2.03 | 2.03 | 2.05 | 2.06 | 2.05 | 2.04 | 2.04 | 2.03 | 2.04 | 2.02 | S | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 2.06 | 2.01 |
| Diurnal Maximum | 2.10 | 2.19 | 2.18 | 2.15 | 2.23 | 2.32 | 2.20 | 2.08 | 2.06 | 2.03 | 2.02 | 2.02 | 2.07 | 2.02 | 2.02 | 2.02 | 2.02 | 2.00 | 2.00 | 2.01 | 2.01 | 2.02 | 2.05 | 2.06 | | | |
| Diurnal Average | 2.02 | 2.03 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.02 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 2.00 | 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.



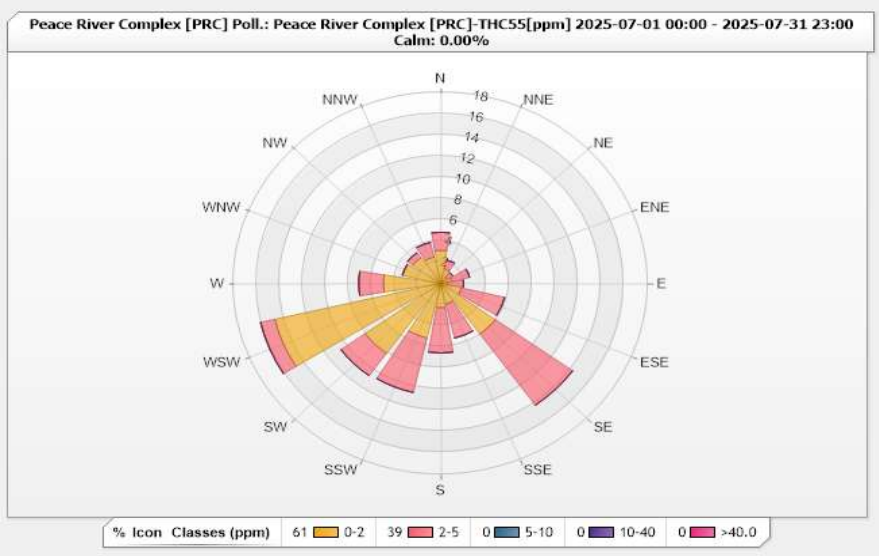



**Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-THC55[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 94.35% Calm Avg: 0.00 [ppm]

| Direction | 0-2 | 2-5 | 5-10 | 10-40 | >40.0 | Total |
|---|---|---|---|---|---|---|
| N | 3.13 | 1.71 | 0 | 0 | 0 | 4.84 |
| NNE | 1.42 | 0.85 | 0 | 0 | 0 | 2.27 |
| NE | 0.71 | 0.57 | 0 | 0 | 0 | 1.28 |
| ENE | 1 | 1.57 | 0 | 0 | 0 | 2.57 |
| E | 0.57 | 1.42 | 0 | 0 | 0 | 1.99 |
| ESE | 1.85 | 3.85 | 0 | 0 | 0 | 5.7 |
| SE | 5.84 | 8.26 | 0 | 0 | 0 | 14.1 |
| SSE | 1.99 | 3.28 | 0 | 0 | 0 | 5.27 |
| S | 2.28 | 4.27 | 0 | 0 | 0 | 6.55 |
| SSW | 5.27 | 5.27 | 0 | 0 | 0 | 10.54 |
| SW | 8.12 | 2.56 | 0 | 0 | 0 | 10.68 |
| WSW | 14.81 | 1.28 | 0 | 0 | 0 | 16.09 |
| W | 4.99 | 2.14 | 0 | 0 | 0 | 7.13 |
| WNW | 3.42 | 0 | 0 | 0 | 0 | 3.42 |
| NW | 2.99 | 0.57 | 0 | 0 | 0 | 3.56 |
| NNW | 2.56 | 1.42 | 0 | 0 | 0 | 3.98 |
| Summary | 60.95 | 39.02 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

## *Peace River Complex (PRC) Station - July 2025*

### Summary of Hourly Averages

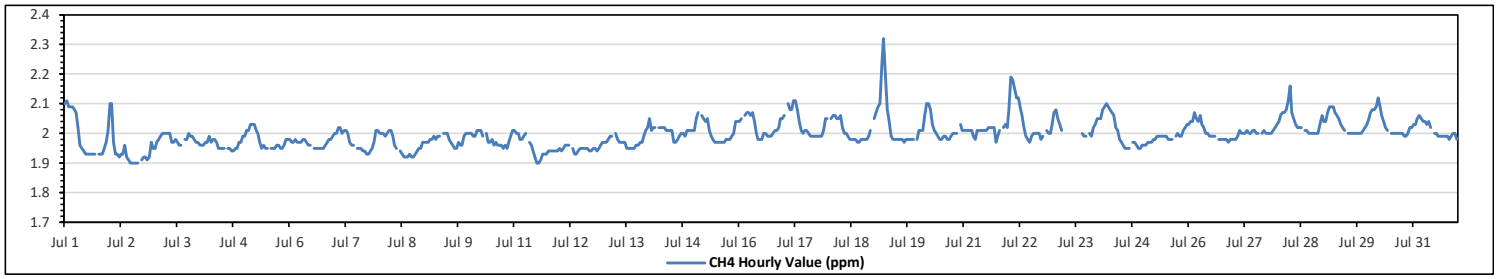
### METHANE (CH4) in ppm

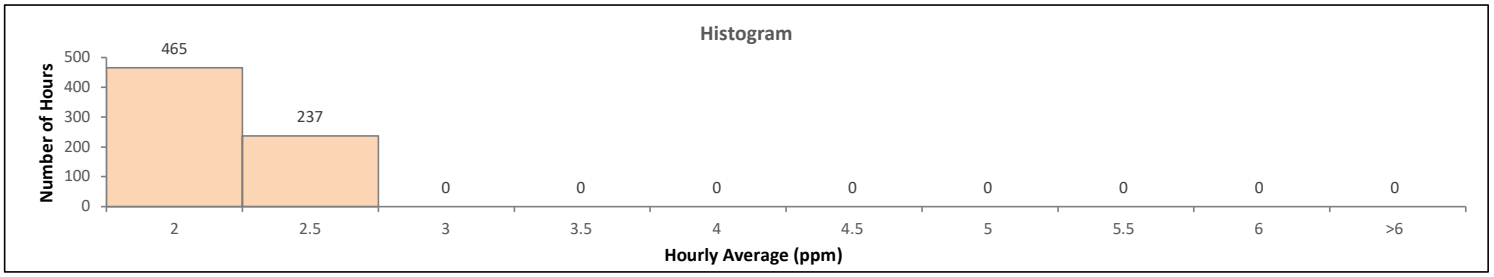
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.32 | ppm | on Jul 19 at hr 5 | Hours in Service: | 744 |
| Maximum Daily Value: | 2.04 | ppm | on Jul 22 | Hours of Data: | 702 |
| Minimum Hourly Value: | 1.90 | ppm | on Jul 2 at hr 11 | Hours of Missing Data: | 5 |
| Minimum Daily Value: | 1.94 | ppm | on Jul 2 | Hours of Calibration: | 37 |
| Monthly Average: | 2.00 | ppm | | 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 | | | |
| Jul 1 | 2.10 | 2.11 | 2.09 | 2.09 | 2.09 | 2.08 | 2.07 | 2.02 | 1.96 | 1.95 | 1.94 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | S | 1.93 | 1.93 | 1.93 | 1.95 | 1.97 | 2.01 | 1.93 | 2.11 | 1.99 |
| Jul 2 | 2.10 | 2.10 | 1.97 | 1.93 | 1.93 | 1.92 | 1.93 | 1.93 | 1.96 | 1.92 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | S | 1.91 | 1.92 | 1.92 | 1.91 | 1.92 | 1.97 | 1.95 | 1.90 | 2.10 | 1.94 |
| Jul 3 | 1.95 | 1.97 | 1.98 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.97 | 1.97 | 1.98 | 1.97 | 1.96 | 1.96 | S | 1.98 | 1.98 | 2.00 | 1.99 | 1.99 | 1.98 | 1.97 | 1.97 | 1.95 | 2.00 | 1.98 |
| Jul 4 | 1.96 | 1.96 | 1.96 | 1.97 | 1.97 | 1.99 | 1.97 | 1.98 | 1.98 | 1.97 | 1.95 | 1.95 | 1.95 | 1.95 | S | 1.95 | 1.95 | 1.94 | 1.94 | 1.95 | 1.95 | 1.97 | 1.97 | 1.99 | 1.94 | 1.99 | 1.96 |
| Jul 5 | 1.99 | 2.01 | 2.01 | 2.03 | 2.03 | 2.03 | 2.01 | 2.00 | 1.97 | 1.95 | 1.96 | 1.95 | 1.95 | S | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.95 | 1.95 | 1.96 | 1.98 | 1.98 | 1.95 | 2.03 | 1.98 |
| Jul 6 | 1.98 | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.97 | 1.96 | 1.96 | S | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.97 | 1.98 | 1.98 | 1.99 | 1.95 | 1.99 | 1.97 |
| Jul 7 | 2.00 | 2.00 | 2.02 | 2.02 | 2.00 | 2.01 | 2.01 | 2.00 | 1.97 | 1.96 | 1.96 | S | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.93 | 1.94 | 1.95 | 1.97 | 2.01 | 2.01 | 1.93 | 2.02 | 1.97 |
| Jul 8 | 2.00 | 2.00 | 2.00 | 1.99 | 2.00 | 2.01 | 2.01 | 1.99 | 1.96 | 1.95 | S | 1.94 | 1.93 | 1.92 | 1.92 | 1.92 | 1.93 | 1.92 | 1.92 | 1.93 | 1.94 | 1.95 | 1.95 | 1.97 | 1.92 | 2.01 | 1.96 |
| Jul 9 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 | 1.99 | 1.99 | S | 2.00 | 2.00 | 2.00 | 1.98 | 1.97 | 1.96 | 1.95 | 1.95 | 1.97 | 1.96 | 1.96 | 1.99 | 2.00 | 2.00 | 1.95 | 2.00 | 1.98 |
| Jul 10 | 2.00 | 2.00 | 1.99 | 1.99 | 2.01 | 2.01 | 2.01 | 1.99 | S | 2.00 | 1.97 | 1.97 | 1.98 | 1.96 | 1.97 | 1.96 | 1.96 | 1.96 | 1.95 | 1.96 | 1.95 | 1.97 | 1.99 | 2.01 | 1.95 | 2.01 | 1.98 |
| Jul 11 | 2.01 | 2.00 | 2.00 | 1.98 | 1.98 | 1.99 | 2.00 | S | 1.97 | 1.96 | 1.94 | 1.92 | 1.90 | 1.90 | 1.91 | 1.93 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.90 | 2.01 | 1.95 |
| Jul 12 | 1.95 | 1.94 | 1.95 | 1.96 | 1.96 | 1.96 | S | 1.95 | 1.93 | 1.93 | 1.94 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.94 | 1.94 | 1.95 | 1.95 | 1.94 | 1.95 | 1.96 | 1.97 | 1.93 | 1.97 | 1.95 |
| Jul 13 | 1.97 | 1.97 | 1.98 | 1.99 | 1.99 | S | 2.00 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.96 | 1.97 | 1.97 | 1.99 | 2.01 | 2.02 | 1.95 | 2.02 | 1.97 |
| Jul 14 | 2.05 | 2.01 | 2.02 | 2.02 | S | 2.02 | 2.02 | 2.02 | 2.02 | 2.01 | 2.01 | 2.01 | 2.01 | 1.97 | 1.97 | 1.98 | 1.99 | 2.00 | 2.00 | 1.99 | 2.01 | 2.01 | 2.01 | 2.01 | 1.97 | 2.05 | 2.01 |
| Jul 15 | 2.01 | 2.05 | 2.07 | S | 2.06 | 2.05 | 2.04 | 2.05 | 2.01 | 1.99 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.99 | 2.00 | 2.04 | 2.04 | 1.97 | 2.07 | 2.01 |
| Jul 16 | 2.04 | 2.05 | S | 2.06 | 2.07 | 2.07 | 2.06 | 2.07 | 2.04 | 2.00 | 1.98 | 1.98 | 1.98 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | 2.01 | 2.01 | 2.02 | 2.05 | 2.05 | 1.98 | 2.07 | 2.02 |
| Jul 17 | 2.06 | S | 2.10 | 2.08 | 2.08 | 2.11 | 2.11 | 2.08 | 2.04 | 2.01 | 2.00 | 2.01 | 2.01 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.01 | 2.05 | 2.05 | 1.99 | 2.11 | 2.03 |
| Jul 18 | S | 2.05 | 2.06 | 2.06 | 2.05 | 2.05 | 2.06 | 2.02 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.99 | 2.01 | S | 1.97 | 2.06 | 2.01 |
| Jul 19 | 2.05 | 2.07 | 2.09 | 2.10 | 2.23 | 2.32 | 2.20 | 2.08 | 2.04 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | S | 1.98 | 1.97 | 2.32 | 2.04 |
| Jul 20 | 2.01 | 2.01 | 2.01 | 2.06 | 2.10 | 2.10 | 2.08 | 2.03 | 2.01 | 2.00 | 1.99 | 1.98 | 1.98 | 1.99 | 1.99 | 1.98 | 1.98 | 1.99 | 2.00 | 2.00 | 2.00 | S | 2.03 | 2.01 | 1.98 | 2.10 | 2.01 |
| Jul 21 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 1.99 | 1.98 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.02 | 2.02 | 2.02 | 2.02 | 1.97 | 1.99 | 2.01 | S | 2.02 | 2.03 | 2.02 | 1.97 | 2.03 | 2.01 |
| Jul 22 | 2.08 | 2.19 | 2.18 | 2.15 | 2.12 | 2.12 | 2.09 | 2.06 | 2.02 | 1.99 | 1.98 | 1.97 | 1.99 | 2.00 | 2.00 | 2.00 | 2.00 | 1.98 | 1.99 | S | 2.01 | 2.00 | 2.00 | 2.03 | 1.97 | 2.19 | 2.04 |
| Jul 23 | 2.07 | 2.08 | 2.05 | 2.03 | 2.01 | X | X | X | X | X | C | C | C | C | C | 2.00 | 1.99 | 1.99 | S | 2.00 | 1.99 | 2.02 | 2.03 | 2.05 | 1.99 | 2.08 | NA |
| Jul 24 | 2.05 | 2.05 | 2.08 | 2.09 | 2.10 | 2.09 | 2.08 | 2.07 | 2.06 | 2.02 | 2.01 | 1.98 | 1.97 | 1.96 | 1.95 | 1.95 | 1.95 | S | 1.97 | 1.97 | 1.96 | 1.95 | 1.95 | 1.96 | 1.95 | 2.10 | 2.01 |
| Jul 25 | 1.96 | 1.96 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | S | 1.99 | 2.00 | 1.99 | 1.99 | 2.01 | 2.02 | 2.03 | 1.96 | 2.03 | 1.99 |
| Jul 26 | 2.03 | 2.04 | 2.04 | 2.07 | 2.05 | 2.04 | 2.06 | 2.03 | 2.02 | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | S | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.98 | 1.97 | 2.07 | 2.01 |
| Jul 27 | 1.98 | 1.98 | 1.99 | 2.01 | 2.00 | 2.00 | 2.00 | 2.01 | 2.00 | 2.00 | 2.01 | 2.01 | 2.00 | 2.00 | S | 2.00 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.02 | 2.03 | 1.98 | 2.03 | 2.00 |
| Jul 28 | 2.04 | 2.06 | 2.07 | 2.07 | 2.08 | 2.11 | 2.16 | 2.07 | 2.05 | 2.03 | 2.02 | 2.02 | 2.02 | S | 2.01 | 2.01 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.03 | 2.06 | 2.00 | 2.16 | 2.04 |
| Jul 29 | 2.04 | 2.04 | 2.07 | 2.09 | 2.09 | 2.09 | 2.07 | 2.06 | 2.05 | 2.03 | 2.02 | 2.01 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.01 | 2.02 | 2.03 | 2.00 | 2.09 | 2.03 |
| Jul 30 | 2.05 | 2.07 | 2.08 | 2.08 | 2.09 | 2.12 | 2.09 | 2.06 | 2.04 | 2.02 | 2.01 | S | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 2.00 | 2.02 | 2.02 | 1.99 | 2.12 | 2.03 |
| Jul 31 | 2.03 | 2.03 | 2.05 | 2.06 | 2.05 | 2.04 | 2.04 | 2.03 | 2.04 | 2.02 | S | 2.00 | 2.00 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.99 | 2.00 | 2.00 | 1.98 | 1.98 | 2.06 | 2.01 |
| Diurnal Maximum | 2.10 | 2.19 | 2.18 | 2.15 | 2.23 | 2.32 | 2.20 | 2.08 | 2.06 | 2.03 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.00 | 2.00 | 2.01 | 2.01 | 2.02 | 2.05 | 2.06 | | | |
| Diurnal Average | 2.02 | 2.03 | 2.03 | 2.03 | 2.04 | 2.04 | 2.04 | 2.02 | 2.00 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 2.00 | 2.00 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



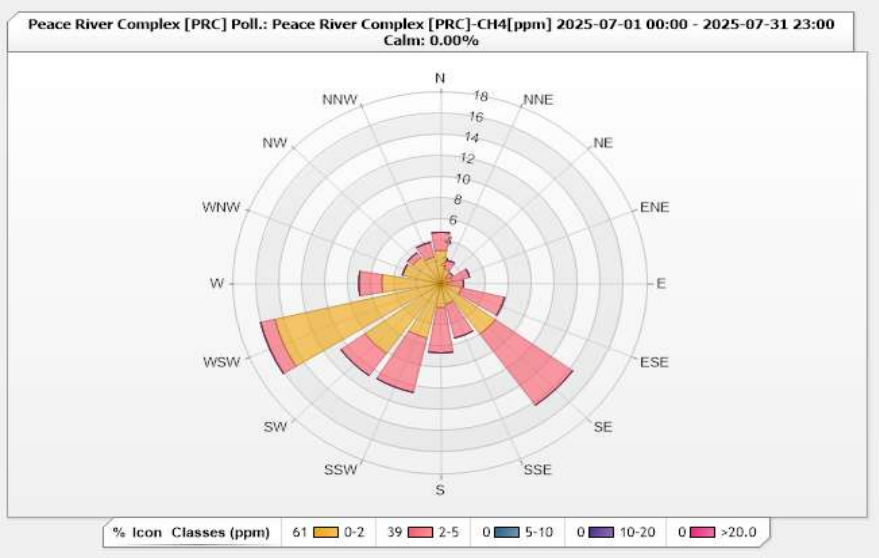



**Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-CH4[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 94.35% Calm Avg: 0.00 [ppm]

| Direction | 0-2 | 2-5 | 5-10 | 10-20 | >20.0 | Total |
|---|---|---|---|---|---|---|
| N | 3.13 | 1.71 | 0 | 0 | 0 | 4.84 |
| NNE | 1.42 | 0.85 | 0 | 0 | 0 | 2.27 |
| NE | 0.71 | 0.57 | 0 | 0 | 0 | 1.28 |
| ENE | 1 | 1.57 | 0 | 0 | 0 | 2.57 |
| E | 0.57 | 1.42 | 0 | 0 | 0 | 1.99 |
| ESE | 1.85 | 3.85 | 0 | 0 | 0 | 5.7 |
| SE | 5.84 | 8.26 | 0 | 0 | 0 | 14.1 |
| SSE | 1.99 | 3.28 | 0 | 0 | 0 | 5.27 |
| S | 2.28 | 4.27 | 0 | 0 | 0 | 6.55 |
| SSW | 5.27 | 5.27 | 0 | 0 | 0 | 10.54 |
| SW | 8.12 | 2.56 | 0 | 0 | 0 | 10.68 |
| WSW | 14.81 | 1.28 | 0 | 0 | 0 | 16.09 |
| W | 5.13 | 1.99 | 0 | 0 | 0 | 7.12 |
| WNW | 3.42 | 0 | 0 | 0 | 0 | 3.42 |
| NW | 2.99 | 0.57 | 0 | 0 | 0 | 3.56 |
| NNW | 2.56 | 1.42 | 0 | 0 | 0 | 3.98 |
| Summary | 61.09 | 38.87 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*Peace River Complex (PRC) Station - July 2025*

**Summary of Hourly Averages**

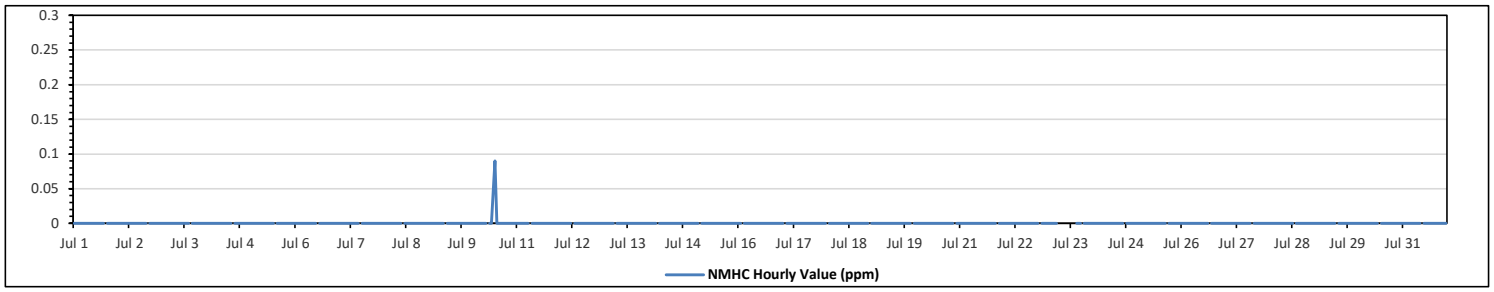
**NON-METHANE HYDROCARBONS (NMHC) in ppm**

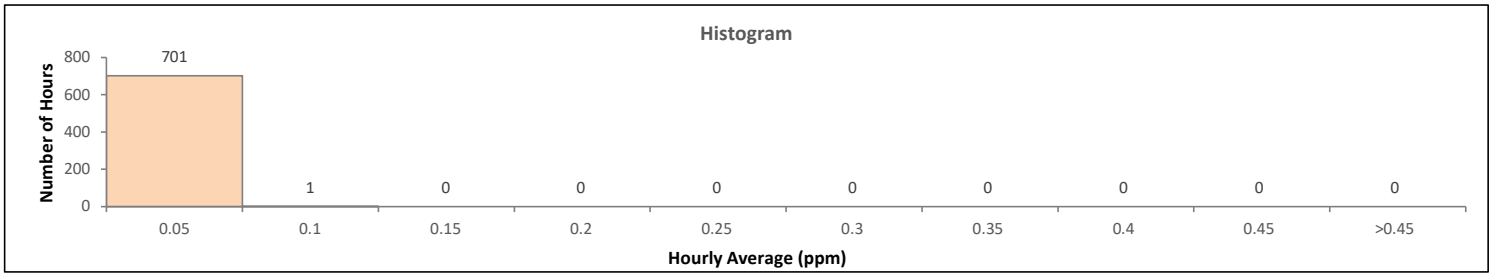
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 0.09 | ppm | on Jul 10 at hr 12 | Hours in Service: | 744 |
| Maximum Daily Value: | 0.01 | ppm | on Jul 10 | Hours of Data: | 702 |
| Minimum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours of Missing Data: | 5 |
| Minimum Daily Value: | 0.00 | ppm | on Jul 1 | Hours of Calibration: | 37 |
| Monthly Average: | 0.00 | ppm | | 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 | | | |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 5 | 0.00 | 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 |
| Jul 6 | 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 |
| Jul 7 | 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 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.05 | **0.09** | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | **0.09** | **0.01** |
| Jul 11 | 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 |
| Jul 12 | 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 |
| Jul 13 | 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 |
| Jul 14 | 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 |
| Jul 15 | 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 |
| Jul 16 | 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 |
| Jul 17 | 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 |
| Jul 18 | 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 |
| Jul 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 | S | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | X | X | X | X | X | C | C | C | C | C | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NA |
| Jul 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 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 28 | 0.00 | 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 |
| Jul 29 | 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 |
| Jul 30 | 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 |
| Jul 31 | 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 |
| Diurnal Maximum | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 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.



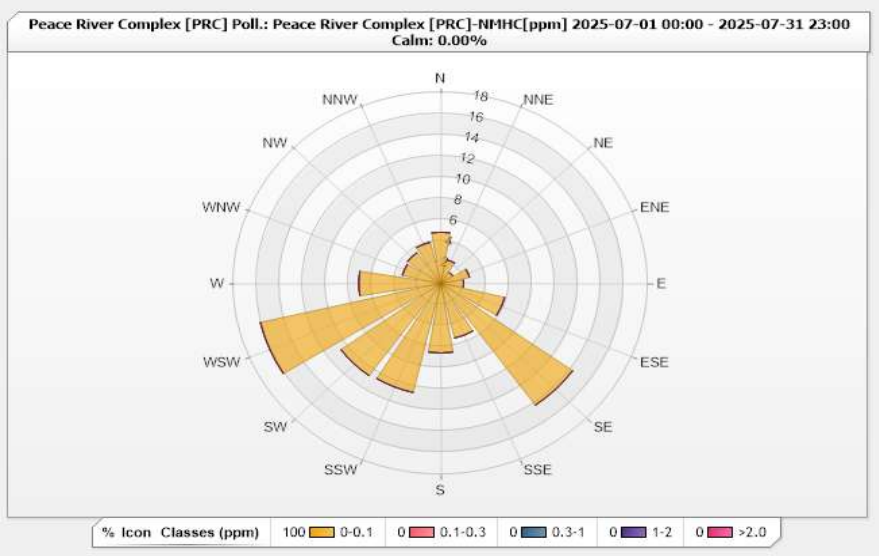



**Station: Peace River Complex [PRC] Poll.: Peace River Complex [PRC]-NMHC[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 94.35% Calm Avg: 0.00 [ppm]

| Direction | 0-0.1 | 0.1-0.3 | 0.3-1 | 1-2 | >2.0 | Total |
|---|---|---|---|---|---|---|
| N | 4.84 | 0 | 0 | 0 | 0 | 4.84 |
| NNE | 2.28 | 0 | 0 | 0 | 0 | 2.28 |
| NE | 1.28 | 0 | 0 | 0 | 0 | 1.28 |
| ENE | 2.56 | 0 | 0 | 0 | 0 | 2.56 |
| E | 1.99 | 0 | 0 | 0 | 0 | 1.99 |
| ESE | 5.7 | 0 | 0 | 0 | 0 | 5.7 |
| SE | 14.1 | 0 | 0 | 0 | 0 | 14.1 |
| SSE | 5.27 | 0 | 0 | 0 | 0 | 5.27 |
| S | 6.55 | 0 | 0 | 0 | 0 | 6.55 |
| SSW | 10.54 | 0 | 0 | 0 | 0 | 10.54 |
| SW | 10.68 | 0 | 0 | 0 | 0 | 10.68 |
| WSW | 16.1 | 0 | 0 | 0 | 0 | 16.1 |
| W | 7.12 | 0 | 0 | 0 | 0 | 7.12 |
| WNW | 3.42 | 0 | 0 | 0 | 0 | 3.42 |
| NW | 3.56 | 0 | 0 | 0 | 0 | 3.56 |
| NNW | 3.99 | 0 | 0 | 0 | 0 | 3.99 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



## *Peace River Area Monitoring Program*

## *Peace River Complex (PRC) Station - July 2025*

### Summary of Hourly Averages

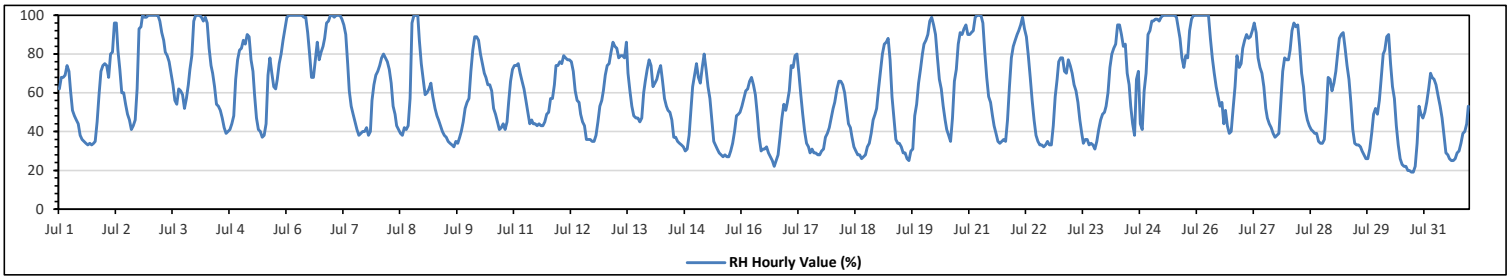
### RELATIVE HUMIDITY (RH) in %

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 100 | % | on Jul 2 at hr 20 | Hours in Service: | 744 | |
| Maximum Daily Value: | 94.4 | % | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 19 | % | on Jul 30 at hr 17 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 43.5 | % | on Jul 16 | Hours of Calibration: | 0 | |
| Monthly Average: | 61.2 | % | | 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 | | | |
| Jul 1 | 62 | 68 | 68 | 69 | 74 | 71 | 61 | 51 | 48 | 46 | 44 | 38 | 36 | 35 | 34 | 33 | 34 | 33 | 34 | 35 | 45 | 59 | 71 | 74 | 33 | 74 | 51.0 |
| Jul 2 | 75 | 74 | 68 | 80 | 81 | 96 | 96 | 82 | 72 | 60 | 60 | 54 | 49 | 46 | 41 | 43 | 46 | 62 | 93 | 94 | **100** | 99 | 99 | **100** | 41 | **100** | 73.8 |
| Jul 3 | **100** | **100** | **100** | **100** | **100** | 97 | 91 | 87 | 81 | 79 | 76 | 70 | 64 | 56 | 54 | 62 | 61 | 59 | 52 | 57 | 64 | 72 | 79 | 97 | 52 | **100** | 77.4 |
| Jul 4 | **100** | **100** | **100** | 99 | 97 | 99 | 96 | 83 | 74 | 70 | 63 | 54 | 53 | 51 | 47 | 42 | 39 | 40 | 41 | 44 | 48 | 67 | 77 | 82 | 39 | **100** | 69.4 |
| Jul 5 | 83 | 87 | 85 | 90 | 89 | 77 | 71 | 59 | 47 | 41 | 40 | 37 | 38 | 44 | 69 | 78 | 70 | 63 | 62 | 67 | 75 | 80 | 87 | 93 | 37 | 93 | 68.0 |
| Jul 6 | 99 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | **100** | 99 | 99 | 91 | 80 | 68 | 68 | 77 | 86 | 77 | 81 | 84 | 88 | 96 | 97 | **100** | 68 | **100** | 91.3 |
| Jul 7 | **100** | 99 | **100** | **100** | **100** | 98 | 95 | 90 | 75 | 61 | 53 | 49 | 45 | 41 | 38 | 39 | 40 | 40 | 42 | 38 | 40 | 56 | 64 | 69 | 38 | **100** | 65.5 |
| Jul 8 | 71 | 74 | 78 | 80 | 78 | 76 | 72 | 65 | 53 | 49 | 43 | 41 | 39 | 38 | 42 | 41 | 43 | 57 | 96 | **100** | **100** | **100** | 87 | 75 | 38 | **100** | 66.6 |
| Jul 9 | 67 | 59 | 60 | 62 | 65 | 58 | 52 | 48 | 46 | 43 | 40 | 38 | 37 | 35 | 34 | 33 | 32 | 35 | 34 | 37 | 40 | 45 | 52 | 55 | 32 | 67 | 46.1 |
| Jul 10 | 57 | 71 | 82 | 89 | 89 | 87 | 80 | 75 | 70 | 68 | 64 | 64 | 61 | 52 | 49 | 45 | 41 | 42 | 44 | 41 | 45 | 55 | 66 | 72 | 41 | 89 | 62.9 |
| Jul 11 | 74 | 74 | 75 | 70 | 66 | 62 | 56 | 50 | 44 | 46 | 44 | 44 | 43 | 44 | 43 | 43 | 45 | 49 | 50 | 57 | 57 | 64 | 74 | 74 | 43 | 75 | 56.2 |
| Jul 12 | 76 | 75 | 79 | 78 | 77 | 77 | 76 | 71 | 61 | 56 | 55 | 49 | 45 | 43 | 36 | 36 | 36 | 35 | 35 | 38 | 45 | 53 | 56 | 61 | 35 | 79 | 56.2 |
| Jul 13 | 69 | 74 | 75 | 81 | 86 | 84 | 83 | 78 | 79 | 79 | 78 | 86 | 70 | 61 | 53 | 48 | 47 | 47 | 45 | 47 | 60 | 66 | 72 | 77 | 45 | 86 | 68.5 |
| Jul 14 | 74 | 63 | 65 | 67 | 71 | 74 | 66 | 57 | 53 | 51 | 50 | 46 | 37 | 37 | 35 | 34 | 33 | 32 | 30 | 31 | 38 | 52 | 63 | 69 | 30 | 74 | 51.2 |
| Jul 15 | 75 | 68 | 65 | 73 | 80 | 72 | 63 | 57 | 46 | 35 | 33 | 31 | 29 | 28 | 27 | 28 | 27 | 27 | 30 | 34 | 40 | 48 | 49 | 50 | 27 | 80 | 46.5 |
| Jul 16 | 53 | 57 | 61 | 62 | 66 | 68 | 64 | 59 | 49 | 37 | 30 | 31 | 31 | 32 | 29 | 27 | 25 | 22 | 25 | 28 | 37 | 47 | 54 | 51 | 22 | 68 | **43.5** |
| Jul 17 | 55 | 61 | 74 | 73 | 79 | 80 | 70 | 59 | 49 | 40 | 34 | 32 | 29 | 31 | 29 | 29 | 28 | 28 | 30 | 31 | 37 | 39 | 42 | 47 | 28 | 80 | 46.1 |
| Jul 18 | 52 | 55 | 62 | 66 | 66 | 64 | 60 | 52 | 44 | 42 | 37 | 32 | 30 | 28 | 28 | 26 | 27 | 28 | 32 | 34 | 39 | 46 | 49 | 52 | 26 | 66 | 43.8 |
| Jul 19 | 62 | 71 | 80 | 85 | 86 | 88 | 77 | 58 | 47 | 36 | 34 | 34 | 32 | 29 | 29 | 26 | 25 | 30 | 31 | 48 | 54 | 65 | 72 | 80 | 25 | 88 | 53.3 |
| Jul 20 | 85 | 87 | 90 | 97 | 99 | 95 | 90 | 78 | 67 | 62 | 53 | 46 | 41 | 38 | 35 | 47 | 66 | 72 | 85 | 91 | 90 | 93 | 95 | 90 | 35 | 99 | 74.7 |
| Jul 21 | 90 | 91 | 92 | 99 | **100** | **100** | **100** | 96 | 81 | 68 | 58 | 55 | 48 | 43 | 39 | 35 | 34 | 35 | 36 | 35 | 46 | 63 | 78 | 84 | 34 | **100** | 66.9 |
| Jul 22 | 87 | 90 | 92 | 95 | 99 | 93 | 89 | 79 | 68 | 56 | 46 | 38 | 35 | 33 | 33 | 32 | 33 | 35 | 33 | 33 | 43 | 58 | 67 | 76 | 32 | 99 | 60.1 |
| Jul 23 | 78 | 78 | 71 | 70 | 77 | 74 | 70 | 64 | 61 | 55 | 46 | 39 | 34 | 36 | 36 | 33 | 34 | 33 | 31 | 35 | 41 | 46 | 49 | 50 | 31 | 78 | 51.7 |
| Jul 24 | 53 | 60 | 73 | 80 | 83 | 85 | 95 | 95 | 90 | 84 | 85 | 70 | 64 | 53 | 44 | 38 | 67 | 71 | 44 | 41 | 61 | 70 | 90 | 92 | 38 | 95 | 70.3 |
| Jul 25 | 97 | 97 | 98 | 98 | 97 | 99 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | 99 | 94 | 88 | 78 | 73 | 79 | 78 | 92 | 98 | **100** | **100** | 73 | **100** | **94.4** |
| Jul 26 | **100** | **100** | **100** | **100** | **100** | **100** | **100** | 88 | 78 | 70 | 63 | 58 | 53 | 55 | 44 | 51 | 43 | 39 | 40 | 52 | 63 | 79 | 73 | 75 | 39 | **100** | 71.8 |
| Jul 27 | 83 | 87 | 90 | 88 | 89 | 92 | 96 | 91 | 78 | 73 | 70 | 63 | 52 | 47 | 44 | 42 | 39 | 37 | 38 | 39 | 55 | 71 | 78 | 77 | 37 | 96 | 67.5 |
| Jul 28 | 77 | 82 | 92 | 96 | 94 | 95 | 84 | 70 | 63 | 51 | 46 | 43 | 41 | 40 | 39 | 39 | 35 | 34 | 34 | 36 | 50 | 68 | 67 | 61 | 34 | 96 | 59.9 |
| Jul 29 | 65 | 71 | 79 | 88 | 90 | 91 | 83 | 74 | 67 | 55 | 41 | 34 | 33 | 33 | 32 | 30 | 28 | 26 | 26 | 31 | 39 | 49 | 52 | 49 | 26 | 91 | 52.8 |
| Jul 30 | 56 | 68 | 80 | 82 | 89 | 90 | 75 | 63 | 57 | 43 | 33 | 26 | 23 | 22 | 22 | 20 | 20 | **19** | **19** | 22 | 34 | 53 | 49 | 47 | **19** | 90 | 46.3 |
| Jul 31 | 50 | 55 | 62 | 70 | 68 | 67 | 64 | 58 | 53 | 47 | 38 | 29 | 28 | 26 | 25 | 25 | 26 | 29 | 30 | 34 | 39 | 40 | 44 | 53 | 25 | 70 | 44.2 |
| Diurnal Maximum | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99 | 94 | 88 | 86 | 77 | 96 | 100 | 100 | 100 | 100 | 100 | | | |
| Diurnal Average | 75.0 | 77.3 | 80.5 | 83.5 | 85.0 | 84.2 | 79.8 | 72.2 | 64.5 | 58.1 | 53.4 | 49.1 | 45.2 | 42.7 | 41.0 | 41.0 | 41.5 | 42.2 | 44.6 | 47.5 | 55.0 | 64.4 | 69.4 | 72.0 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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***

***Peace River Complex (PRC) Station - July 2025***

**Summary of Hourly Averages**

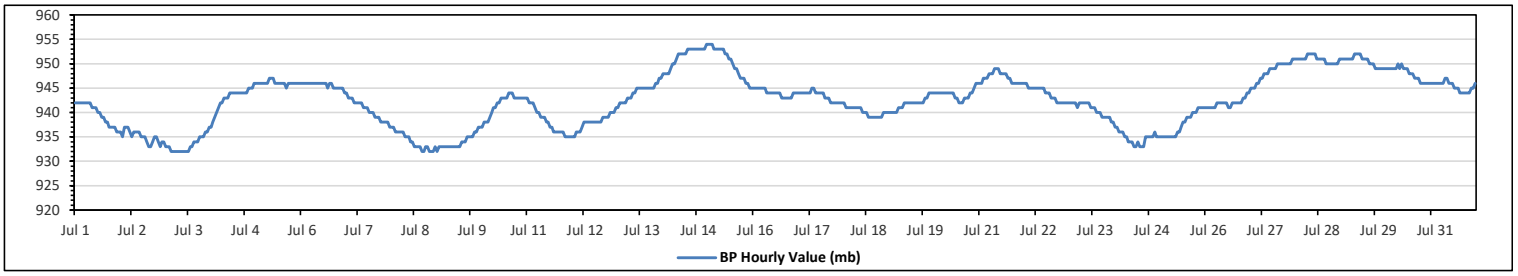
**BAROMETRIC PRESSURE (BP) in millibar**

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 954 | mb | on Jul 14 at hr 23 | Hours in Service: | 744 | |
| Maximum Daily Value: | 952 | mb | on Jul 14 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 932 | mb | on Jul 3 at hr 3 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 933 | mb | on Jul 3 | Hours of Calibration: | 0 | |
| Monthly Average: | 942 | 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 |
| Jul 1 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 938 | 938 | 937 | 937 | 937 | 937 | 936 | 936 | 936 | 942 | 940 |
| Jul 2 | 936 | 935 | 937 | 937 | 937 | 936 | 935 | 936 | 936 | 936 | 936 | 935 | 935 | 935 | 934 | 933 | 933 | 934 | 935 | 935 | 934 | 933 | 934 | 934 | 933 | 937 | 935 |
| Jul 3 | 933 | 933 | 933 | **932** | **932** | **932** | **932** | **932** | **932** | **932** | **932** | **932** | **932** | 933 | 933 | 934 | 934 | 934 | 935 | 935 | 935 | 936 | 936 | 937 | **932** | 937 | **933** |
| Jul 4 | 937 | 938 | 939 | 940 | 941 | 942 | 942 | 943 | 943 | 943 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 945 | 945 | 945 | 946 | 937 | 946 | 943 |
| Jul 5 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 947 | 947 | 947 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 947 | 946 |
| Jul 6 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 946 | 946 | 945 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 946 | 946 |
| Jul 7 | 944 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 938 | 938 | 938 | 937 | 937 | 944 | 940 |
| Jul 8 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 935 | 935 | 935 | 934 | 934 | 933 | 933 | 933 | 933 | **932** | **932** | 933 | 933 | **932** | **932** | **932** | 933 | **932** | 937 | 934 |
| Jul 9 | **932** | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 933 | 934 | 934 | 934 | 935 | 935 | 935 | 935 | 936 | 936 | 937 | 937 | **932** | 937 | 934 |
| Jul 10 | 937 | 938 | 938 | 938 | 939 | 940 | 941 | 941 | 942 | 942 | 943 | 943 | 943 | 943 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 937 | 944 | 942 |
| Jul 11 | 943 | 942 | 942 | 942 | 941 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 936 | 935 | 935 | 935 | 935 | 935 | 943 | 938 |
| Jul 12 | 935 | 935 | 936 | 936 | 936 | 937 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 939 | 939 | 939 | 939 | 940 | 940 | 940 | 941 | 935 | 941 | 938 |
| Jul 13 | 941 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 944 | 944 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 946 | 946 | 947 | 947 | 941 | 947 | 944 |
| Jul 14 | 948 | 948 | 948 | 948 | 949 | 950 | 950 | 951 | 952 | 952 | 952 | 952 | 952 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | **954** | 948 | **954** | **952** |
| Jul 15 | **954** | **954** | **954** | 953 | 953 | 953 | 953 | 953 | 953 | 952 | 952 | 951 | 951 | 950 | 949 | 949 | 948 | 947 | 947 | 947 | 946 | 946 | 945 | 945 | 945 | **954** | 950 |
| Jul 16 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 943 | 944 | 944 | 944 | 943 | 945 | 944 |
| Jul 17 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 945 | 943 |
| Jul 18 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 939 | 940 | 940 | 940 | 939 | 942 | 940 |
| Jul 19 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 944 | 944 | 944 | 940 | 944 | 942 |
| Jul 20 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 942 | 942 | 942 | 943 | 943 | 943 | 944 | 944 | 945 | 946 | 946 | 942 | 946 | 944 |
| Jul 21 | 946 | 946 | 947 | 947 | 947 | 948 | 948 | 948 | 949 | 949 | 949 | 948 | 948 | 948 | 948 | 947 | 947 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 949 | 947 |
| Jul 22 | 946 | 946 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 946 | 944 |
| Jul 23 | 942 | 942 | 942 | 942 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 939 | 939 | 939 | 938 | 938 | 938 | 942 | 941 |
| Jul 24 | 937 | 937 | 936 | 936 | 936 | 935 | 935 | 934 | 934 | 934 | 933 | 933 | 934 | 933 | 933 | 933 | 935 | 935 | 935 | 935 | 935 | 936 | 935 | 935 | 933 | 937 | 935 |
| Jul 25 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 935 | 936 | 936 | 937 | 938 | 938 | 939 | 939 | 939 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 935 | 941 | 938 |
| Jul 26 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 944 | 944 | 941 | 944 | 942 |
| Jul 27 | 945 | 945 | 945 | 946 | 946 | 947 | 947 | 948 | 948 | 948 | 949 | 949 | 949 | 949 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 951 | 951 | 945 | 951 | 948 |
| Jul 28 | 951 | 951 | 951 | 951 | 951 | 951 | 952 | 952 | 952 | 952 | 952 | 951 | 951 | 951 | 951 | 951 | 950 | 950 | 950 | 950 | 950 | 950 | 950 | 951 | 950 | 952 | 951 |
| Jul 29 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 952 | 952 | 952 | 952 | 951 | 951 | 951 | 951 | 950 | 950 | 950 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 952 | 951 |
| Jul 30 | 949 | 949 | 949 | 949 | 949 | 949 | 950 | 949 | 950 | 949 | 949 | 949 | 948 | 948 | 948 | 947 | 947 | 947 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 950 | 948 |
| Jul 31 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 947 | 947 | 946 | 946 | 946 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 945 | 945 | 946 | 944 | 947 | 945 |
| Diurnal Maximum | 954 | 954 | 954 | 953 | 953 | 953 | 953 | 953 | 953 | 952 | 952 | 952 | 952 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 953 | 954 | | | |
| Diurnal Average | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025***

**Summary of Hourly Averages**

**AMBIENT TEMPERATURE (AT) in Degree Celsius**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 32.7 | °C | on Jul 31 at hr 14 | Hours in Service: | 744 |
| Maximum Daily Value: | 25.9 | °C | on Jul 31 | Hours of Data: | 744 |
| Minimum Hourly Value: | 2.8 | °C | on Jul 22 at hr 4 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 11.8 | °C | on Jul 25 | Hours of Calibration: | 0 |
| Monthly Average: | 16.8 | °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 |
| Jul 1 | 16.1 | 15.5 | 15.3 | 14.6 | 12.8 | 14.6 | 17.6 | 20.4 | 22.1 | 23 | 23.6 | 24.6 | 25.4 | 26.1 | 26.5 | 26.7 | 26.7 | 26.8 | 27 | 26.5 | 23.9 | 20.3 | 17.5 | 15.9 | 12.8 | 27.0 | 21.2 |
| Jul 2 | 15.7 | 16.5 | 17.6 | 15.5 | 15.5 | 14.2 | 14.8 | 17.4 | 19.4 | 21.1 | 21 | 22.2 | 23 | 24.2 | 25.1 | 25 | 23.8 | 20.1 | 14.1 | 13.9 | 13.2 | 13 | 12.6 | 12.4 | 12.4 | 25.1 | 18.0 |
| Jul 3 | 11.6 | 10.3 | 10.3 | 9.2 | 9.1 | 9.8 | 10.3 | 10.8 | 12.6 | 13.9 | 15.3 | 16.6 | 16.9 | 17.7 | 17.3 | 15.7 | 15.3 | 15.3 | 15.7 | 14.1 | 12.7 | 11.6 | 10.7 | 9.3 | 9.1 | 17.7 | 13.0 |
| Jul 4 | 8.8 | 8.1 | 7.5 | 7.6 | 7.9 | 7.9 | 8.6 | 11 | 12.8 | 14.1 | 15.9 | 17.5 | 17.4 | 17.7 | 18.2 | 19 | 19.9 | 20.2 | 20.1 | 19.1 | 17.6 | 13.9 | 11 | 10.1 | 7.5 | 20.2 | 13.8 |
| Jul 5 | 9.5 | 8.9 | 9.5 | 8.4 | 8.8 | 11.9 | 13.6 | 16.7 | 19.1 | 20.2 | 21.2 | 21.9 | 21.5 | 21.1 | 18 | 16.7 | 18.3 | 18.6 | 18.4 | 17.5 | 15.6 | 14.7 | 13.8 | 13.2 | 8.4 | 21.9 | 15.7 |
| Jul 6 | 12.4 | 12 | 12.1 | 11.9 | 11.9 | 12.1 | 12.2 | 12.7 | 13.7 | 14.3 | 14.1 | 14.8 | 16.6 | 18.1 | 18.9 | 17.5 | 17.1 | 17.9 | 17.9 | 17.6 | 16.3 | 14.8 | 14.4 | 13.6 | 11.9 | 18.9 | 14.8 |
| Jul 7 | 12.3 | 12.5 | 11.5 | 10.9 | 11.1 | 11.8 | 12.6 | 13.4 | 15.9 | 18.2 | 19.7 | 20.3 | 21.4 | 21.9 | 22.8 | 22.8 | 23 | 23.1 | 23 | 23 | 21.1 | 17.5 | 15.3 | 14.3 | 10.9 | 23.1 | 17.5 |
| Jul 8 | 14.4 | 13.7 | 12.7 | 12.2 | 12.6 | 13.9 | 15.5 | 17.3 | 20.5 | 21.5 | 22.4 | 23.8 | 24.4 | 24.9 | 24.2 | 24.8 | 24.1 | 20.7 | 15.6 | 14.9 | 14.9 | 14.5 | 14.2 | 13.8 | 12.2 | 24.9 | 18.0 |
| Jul 9 | 13.5 | 12.6 | 11.7 | 10.9 | 10.1 | 11 | 12 | 12.8 | 13.7 | 14.2 | 14.8 | 15.6 | 16.6 | 17.6 | 18.7 | 19.2 | 19.8 | 19.1 | 19.1 | 18.6 | 17.4 | 16.2 | 14.3 | 14.1 | 10.1 | 19.8 | 15.2 |
| Jul 10 | 13.8 | 10.8 | 7.9 | 7 | 6.7 | 7 | 9.9 | 12.1 | 13.9 | 14.9 | 16.6 | 17 | 18.1 | 20 | 20.8 | 21.8 | 22.6 | 22.4 | 21.9 | 21.9 | 20.1 | 17.4 | 14.5 | 13.1 | 6.7 | 22.6 | 15.5 |
| Jul 11 | 12.5 | 11.8 | 11.2 | 12.1 | 12.6 | 13.4 | 14.9 | 16.9 | 19 | 19 | 20.6 | 22.1 | 23 | 23.1 | 23.6 | 23.5 | 22.3 | 21.5 | 21.3 | 19.8 | 19.6 | 18.5 | 17.2 | 17.2 | 11.2 | 23.6 | 18.2 |
| Jul 12 | 16.7 | 16.2 | 14.6 | 14 | 14.1 | 14.3 | 14.9 | 15.8 | 17.9 | 19 | 19 | 19.9 | 20.3 | 20.7 | 22.2 | 21.9 | 21.5 | 21.2 | 21.5 | 20.5 | 18.7 | 16.5 | 15.6 | 14.8 | 14.0 | 22.2 | 18.0 |
| Jul 13 | 13.4 | 12.4 | 11.9 | 10.8 | 9.9 | 10.6 | 11.7 | 12.9 | 13.4 | 13.6 | 13.7 | 13.4 | 16.1 | 17.1 | 18.3 | 19.1 | 19.1 | 19.1 | 19.4 | 19 | 16 | 14.2 | 12.5 | 11.5 | 9.9 | 19.4 | 14.5 |
| Jul 14 | 11.4 | 11.9 | 11.4 | 11.1 | 10.6 | 10.1 | 12.2 | 14.2 | 15.4 | 16.1 | 16.5 | 17.1 | 18.4 | 18.9 | 19.2 | 19.8 | 19.8 | 20 | 20.2 | 19.6 | 17.3 | 13 | 10.3 | 8.2 | 8.2 | 20.2 | 15.1 |
| Jul 15 | 6.7 | 9.1 | 10.1 | 8.4 | 7 | 9.2 | 12.8 | 15.4 | 18.1 | 20.2 | 21.2 | 22 | 22.5 | 23.5 | 24 | 24 | 23.9 | 23.9 | 22.9 | 22.2 | 20.3 | 17.8 | 17.1 | 16.6 | 6.7 | 24.0 | 17.5 |
| Jul 16 | 15.8 | 14.9 | 14.3 | 13.9 | 13 | 13.4 | 14.7 | 16.7 | 19.8 | 22.3 | 23.2 | 23.8 | 24.4 | 24.4 | 25.2 | 25.1 | 25.5 | 25.5 | 24.8 | 23.8 | 21.3 | 18 | 16.1 | 15.7 | 13.0 | 25.5 | 19.8 |
| Jul 17 | 14.4 | 12.9 | 10.9 | 10.7 | 9.3 | 9.4 | 14.1 | 17 | 19.9 | 21.5 | 22.5 | 23 | 23.8 | 23.8 | 24.5 | 24.5 | 25 | 25 | 24.3 | 23.8 | 21.1 | 18.7 | 17.4 | 16.6 | 9.3 | 25.0 | 18.9 |
| Jul 18 | 15.5 | 15.5 | 14.5 | 14 | 14.1 | 14.8 | 16.1 | 19 | 21.5 | 22.5 | 23.9 | 24.9 | 25.4 | 26.1 | 26.2 | 27 | 26.5 | 26.2 | 25.6 | 24.9 | 23 | 20.2 | 18.7 | 17.6 | 14.0 | 27.0 | 21.0 |
| Jul 19 | 15.2 | 12.3 | 10.3 | 9 | 8.8 | 9.1 | 13.1 | 18.8 | 21.4 | 23.3 | 24.4 | 24.7 | 24.9 | 26 | 26.1 | 26.6 | 26.8 | 25.7 | 25 | 22.5 | 20.7 | 18.3 | 16.5 | 14.3 | 8.8 | 26.8 | 19.3 |
| Jul 20 | 12.3 | 12.2 | 11.7 | 10.2 | 9.8 | 10.8 | 13.1 | 15.9 | 18.4 | 20.2 | 22.1 | 23.6 | 24.4 | 25 | 25.6 | 22.6 | 18.4 | 17.2 | 15.5 | 14.9 | 14.9 | 14.5 | 12.9 | 12.3 | 9.8 | 25.6 | 16.6 |
| Jul 21 | 11.9 | 11.6 | 11.4 | 10.6 | 9.7 | 9.3 | 9.2 | 10.1 | 11.4 | 12.3 | 12.9 | 13.7 | 14.8 | 15.7 | 16.7 | 17.2 | 17.7 | 17.8 | 17.2 | 17.3 | 14.6 | 10.3 | 7.2 | 5.4 | 5.4 | 17.8 | 12.8 |
| Jul 22 | 4.6 | 3.6 | 4 | 3.3 | **2.8** | 4.3 | 8 | 11.4 | 14.1 | 16.3 | 17.6 | 18.7 | 19.2 | 20.1 | 20.2 | 20.5 | 20 | 19.8 | 20.3 | 19.9 | 17.2 | 12.6 | 9.4 | 7.8 | **2.8** | 20.5 | 13.2 |
| Jul 23 | 7.3 | 7.8 | 10.8 | 11.6 | 9.9 | 10.5 | 12.6 | 14.1 | 14.7 | 16.5 | 18.6 | 20.2 | 21.1 | 21.5 | 21.6 | 22.4 | 21.8 | 21.5 | 21.2 | 20 | 18 | 15.6 | 14.6 | 15.1 | 7.3 | 22.4 | 16.2 |
| Jul 24 | 15 | 14 | 12.4 | 11.3 | 11.8 | 12.9 | 13 | 13.8 | 15.4 | 17 | 17.2 | 19.5 | 20.1 | 21.8 | 22.6 | 23.6 | 18.7 | 19.1 | 20.4 | 19.8 | 17.2 | 15 | 12 | 10.8 | 10.8 | 23.6 | 16.4 |
| Jul 25 | 9.9 | 9.5 | 8.9 | 8.6 | 9.5 | 9.4 | 9.8 | 10.8 | 11.2 | 11.4 | 11.4 | 11.6 | 12.4 | 13.2 | 13.9 | 14.5 | 15.7 | 16.7 | 15.8 | 14.6 | 12.9 | 11.3 | 10.2 | 9.8 | 8.6 | 16.7 | **11.8** |
| Jul 26 | 8.5 | 7.8 | 7.3 | 8 | 6.7 | 5.7 | 9.5 | 12.4 | 14.6 | 16.2 | 17.6 | 18.2 | 18.9 | 17.6 | 18.5 | 19 | 20 | 20.2 | 19.6 | 17.4 | 15.5 | 13.2 | 13.4 | 12.9 | 5.7 | 20.2 | 14.1 |
| Jul 27 | 11.7 | 10.8 | 10.1 | 10.3 | 10.4 | 10.2 | 10.2 | 10.8 | 12.5 | 13 | 12.3 | 13.4 | 14.9 | 15.5 | 15.8 | 16.3 | 16.5 | 17 | 16.7 | 16.3 | 13 | 9.2 | 7.4 | 8.2 | 7.4 | 17.0 | 12.6 |
| Jul 28 | 8.7 | 7.9 | 6.1 | 4.9 | 6.4 | 6.5 | 9.3 | 12.5 | 14.5 | 16.5 | 17.3 | 18.6 | 19 | 19.4 | 19.8 | 20.4 | 21.7 | 21.9 | 21.9 | 21.7 | 17.9 | 13.7 | 13.1 | 14.1 | 4.9 | 21.9 | 14.7 |
| Jul 29 | 13.2 | 12.3 | 11.1 | 9.5 | 9.6 | 10.5 | 13.8 | 16.9 | 19.2 | 21.5 | 23.1 | 24.1 | 24.6 | 25.6 | 26.1 | 26.6 | 27 | 27.4 | 27.2 | 25.9 | 22.8 | 19.4 | 18 | 18.8 | 9.5 | 27.4 | 19.8 |
| Jul 30 | 17.9 | 15.4 | 12.9 | 11.6 | 10.2 | 11 | 15.1 | 19.4 | 22.4 | 25.3 | 27.2 | 28.6 | 29.2 | 30 | 30.6 | 31 | 31 | 31.1 | 31 | 29.9 | 25.2 | 20.4 | 19.8 | 20.4 | 10.2 | 31.1 | 22.8 |
| Jul 31 | 20.2 | 19.3 | 17.6 | 16.2 | 17.5 | 18.7 | 21.2 | 23.6 | 25.4 | 27.6 | 29.3 | 30.5 | 31.2 | 32 | **32.7** | 32.3 | 32.5 | 31.5 | 31 | 29.6 | 27.6 | 26.2 | 24.9 | 22.4 | 16.2 | **32.7** | **25.9** |
| Diurnal Maximum | 20.2 | 19.3 | 17.6 | 16.2 | 17.5 | 18.7 | 21.2 | 23.6 | 25.4 | 27.6 | 29.3 | 30.5 | 31.2 | 32.0 | 32.7 | 32.3 | 32.5 | 31.5 | 31.0 | 29.9 | 27.6 | 26.2 | 24.9 | 22.4 | | | |
| Diurnal Average | 12.6 | 11.9 | 11.3 | 10.6 | 10.3 | 10.9 | 12.8 | 14.9 | 16.9 | 18.3 | 19.2 | 20.2 | 21.0 | 21.6 | 22.1 | 22.2 | 22.0 | 21.7 | 21.1 | 20.3 | 18.3 | 15.8 | 14.3 | 13.6 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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.
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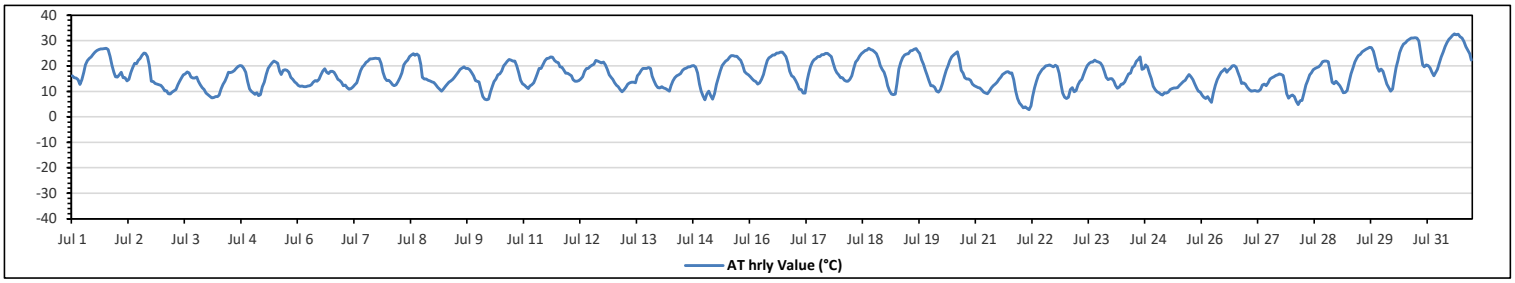


## *Peace River Area Monitoring Program*

## *Peace River Complex (PRC) Station - July 2025*

## Summary of Hourly Averages

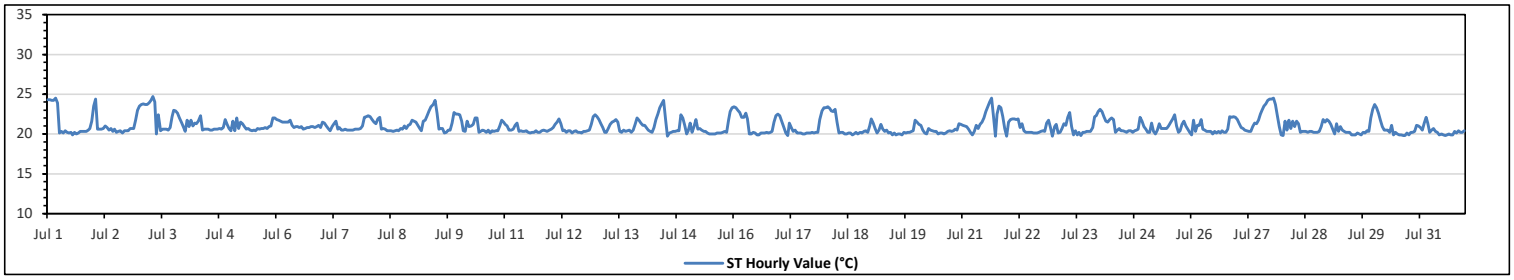
## STATION TEMPERATURE (ST) in Degree Celsius

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 24.7 | °C | on Jul 3 at hr 7 | Hours in Service: | 744 | |
| Maximum Daily Value: | 22.3 | °C | on Jul 3 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 19.7 | °C | on Jul 14 at hr 13 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 20.4 | °C | on Jul 31 | Hours of Calibration: | 0 | |
| Monthly Average: | 21.0 | °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 |
| Jul 1 | 24.3 | 24.3 | 24.2 | 24.2 | 24.5 | 23.9 | 20.1 | 20.3 | 20.1 | 20.4 | 20.2 | 20.1 | 20.2 | 19.9 | 20.2 | 20.0 | 20.1 | 20.3 | 20.3 | 20.3 | 20.3 | 20.5 | 20.7 | 21.6 | 19.9 | 24.5 | 21.3 |
| Jul 2 | 23.5 | 24.4 | 20.6 | 20.6 | 20.6 | 20.7 | 21.0 | 20.8 | 20.5 | 20.7 | 20.3 | 20.6 | 20.2 | 20.3 | 20.4 | 20.1 | 20.4 | 20.4 | 20.4 | 20.7 | 20.7 | 20.7 | 21.7 | 23.0 | 20.1 | 24.4 | 21.0 |
| Jul 3 | 23.5 | 23.7 | 23.8 | 23.7 | 23.7 | 23.9 | 24.2 | **24.7** | 24.0 | 20.0 | 22.4 | 20.4 | 20.6 | 20.6 | 20.6 | 20.5 | 20.8 | 22.2 | 23.0 | 22.9 | 22.6 | 22.0 | 21.5 | 20.9 | 20.0 | **24.7** | **22.3** |
| Jul 4 | 20.3 | 21.7 | 20.9 | 21.7 | 21.0 | 21.4 | 21.3 | 21.6 | 22.3 | 20.5 | 20.6 | 20.6 | 20.6 | 20.5 | 20.5 | 20.6 | 20.6 | 20.6 | 20.7 | 20.6 | 20.8 | 21.8 | 21.2 | 20.7 | 20.3 | 22.3 | 21.0 |
| Jul 5 | 20.4 | 21.6 | 20.4 | 22.0 | 20.7 | 21.5 | 21.3 | 20.9 | 20.6 | 20.7 | 20.5 | 20.4 | 20.5 | 20.4 | 20.7 | 20.6 | 20.7 | 20.7 | 20.8 | 20.7 | 20.9 | 21.0 | 22.0 | 22.0 | 20.4 | 22.0 | 20.9 |
| Jul 6 | 21.8 | 21.7 | 21.6 | 21.5 | 21.5 | 21.5 | 21.5 | 21.7 | 21.1 | 20.8 | 20.9 | 20.9 | 20.8 | 20.9 | 20.6 | 20.7 | 20.8 | 20.8 | 20.9 | 20.9 | 20.8 | 20.9 | 21.1 | 20.8 | 20.6 | 21.8 | 21.1 |
| Jul 7 | 21.5 | 21.4 | 21.0 | 20.7 | 20.4 | 20.9 | 21.3 | 21.6 | 20.6 | 20.8 | 20.5 | 20.5 | 20.6 | 20.5 | 20.5 | 20.5 | 20.5 | 20.6 | 20.6 | 20.6 | 20.7 | 21.0 | 22.1 | 22.2 | 20.4 | 22.2 | 20.9 |
| Jul 8 | 22.3 | 22.2 | 21.8 | 21.5 | 21.3 | 21.9 | 22.1 | 20.6 | 20.7 | 20.6 | 20.4 | 20.4 | 20.4 | 20.3 | 20.4 | 20.5 | 20.4 | 20.7 | 20.6 | 21.0 | 20.7 | 21.1 | 21.2 | 21.7 | 20.3 | 22.3 | 21.0 |
| Jul 9 | 21.6 | 21.5 | 21.1 | 20.7 | 20.4 | 21.6 | 21.7 | 22.3 | 22.9 | 23.4 | 23.7 | 24.2 | 22.6 | 20.6 | 20.7 | 20.7 | 20.1 | 20.2 | 20.5 | 20.5 | 21.4 | 22.7 | 22.5 | 22.5 | 20.1 | 24.2 | 21.7 |
| Jul 10 | 22.4 | 21.6 | 20.4 | 20.3 | 21.6 | 20.9 | 21.0 | 21.2 | 22.0 | 22.0 | 20.2 | 20.3 | 20.5 | 20.4 | 20.2 | 20.5 | 20.1 | 20.4 | 20.3 | 20.4 | 20.4 | 21.0 | 21.7 | 21.5 | 20.1 | 22.4 | 20.9 |
| Jul 11 | 21.2 | 21.0 | 20.5 | 20.5 | 20.6 | 21.1 | 21.4 | 20.3 | 20.4 | 20.3 | 20.3 | 20.4 | 20.2 | 20.1 | 20.2 | 20.2 | 20.4 | 20.2 | 20.2 | 20.4 | 20.5 | 20.4 | 20.3 | 20.5 | 20.1 | 21.4 | 20.5 |
| Jul 12 | 20.6 | 20.8 | 21.2 | 21.5 | 21.9 | 21.3 | 20.4 | 20.5 | 20.2 | 20.4 | 20.4 | 20.1 | 20.3 | 20.4 | 20.2 | 20.2 | 20.1 | 20.3 | 20.3 | 20.4 | 20.5 | 21.2 | 22.2 | 22.4 | 20.1 | 22.4 | 20.7 |
| Jul 13 | 22.2 | 21.8 | 21.3 | 20.8 | 20.2 | 20.2 | 20.7 | 21.2 | 21.5 | 21.6 | 21.8 | 21.5 | 20.3 | 20.2 | 20.5 | 20.3 | 20.4 | 20.5 | 20.2 | 20.5 | 21.2 | 22.0 | 21.7 | 21.4 | 20.2 | 22.2 | 21.0 |
| Jul 14 | 21.1 | 21.1 | 20.8 | 20.5 | 20.3 | 20.2 | 20.8 | 21.8 | 22.5 | 23.3 | 23.8 | 24.2 | 21.9 | **19.7** | 20.1 | 20.2 | 20.3 | 20.3 | 20.4 | 20.4 | 22.4 | 22.0 | 21.1 | 20.0 | **19.7** | 24.2 | 21.2 |
| Jul 15 | 20.4 | 21.4 | 20.2 | 20.9 | 21.8 | 20.6 | 20.7 | 20.5 | 20.3 | 20.3 | 20.1 | 20.0 | 20.0 | 20.0 | 20.0 | 20.1 | 20.1 | 20.1 | 20.2 | 20.3 | 20.2 | 21.7 | 22.8 | 23.3 | 20.0 | 23.3 | 20.7 |
| Jul 16 | 23.4 | 23.3 | 23.0 | 22.7 | 22.1 | 22.1 | 22.6 | 21.9 | 20.0 | 20.0 | 20.2 | 20.1 | 19.9 | 19.9 | 20.1 | 20.1 | 20.1 | 20.2 | 20.1 | 20.2 | 20.3 | 21.5 | 22.3 | 22.5 | 19.9 | 23.4 | 21.2 |
| Jul 17 | 22.3 | 21.5 | 20.8 | 20.1 | 19.8 | 21.4 | 20.8 | 20.3 | 20.5 | 20.1 | 20.1 | 20.1 | 20.0 | 20.0 | 20.1 | 20.1 | 20.1 | 20.2 | 20.1 | 20.2 | 20.2 | 21.8 | 22.9 | 23.3 | 19.8 | 23.3 | 20.7 |
| Jul 18 | 23.3 | 23.4 | 23.2 | 22.9 | 22.8 | 23.1 | 21.5 | 20.1 | 20.2 | 20.2 | 20.0 | 20.0 | 20.1 | 20.1 | 19.9 | 20.0 | 20.2 | 20.0 | 20.2 | 20.1 | 20.3 | 20.4 | 20.2 | 21.0 | 19.9 | 23.4 | 21.0 |
| Jul 19 | 21.9 | 21.4 | 20.7 | 20.1 | 20.5 | 21.2 | 20.6 | 20.3 | 20.5 | 20.1 | 20.2 | 19.9 | 20.1 | 19.9 | 20.0 | 20.0 | 19.9 | 20.2 | 20.1 | 20.2 | 20.2 | 20.3 | 20.4 | 21.7 | 19.9 | 21.9 | 20.4 |
| Jul 20 | 21.5 | 21.2 | 21.1 | 20.5 | 20.1 | 20.0 | 20.7 | 20.5 | 20.4 | 20.3 | 20.3 | 20.0 | 20.1 | 20.1 | 20.0 | 20.1 | 20.3 | 20.4 | 20.3 | 20.4 | 20.6 | 20.5 | 21.3 | 21.2 | 20.0 | 21.5 | 20.5 |
| Jul 21 | 21.1 | 21.0 | 20.9 | 20.6 | 20.2 | 19.9 | 20.3 | 21.1 | 20.7 | 21.2 | 21.5 | 22.0 | 22.8 | 23.4 | 24.0 | 24.5 | 22.2 | **19.7** | 22.5 | 23.5 | 23.3 | 22.2 | 20.7 | **19.7** | **19.7** | 24.5 | 21.6 |
| Jul 22 | 21.5 | 21.8 | 21.9 | 21.9 | 21.8 | 21.9 | 20.8 | 21.3 | 20.4 | 20.2 | 20.2 | 20.2 | 20.2 | 20.1 | 20.1 | 20.1 | 20.2 | 20.3 | 20.4 | 20.3 | 21.4 | 21.7 | 20.8 | **19.7** | **19.7** | 21.9 | 20.8 |
| Jul 23 | 20.9 | 21.2 | 20.1 | 20.2 | 20.7 | 21.3 | 21.1 | 22.1 | 22.7 | 20.9 | 19.9 | 20.4 | 19.9 | 20.2 | 19.8 | 20.2 | 20.2 | 20.3 | 20.3 | 20.3 | 20.8 | 22.2 | 22.3 | 22.8 | 19.8 | 22.8 | 20.9 |
| Jul 24 | 23.1 | 22.8 | 22.2 | 21.6 | 21.5 | 21.8 | 22.0 | 21.8 | 20.2 | 20.5 | 20.7 | 20.4 | 20.4 | 20.3 | 20.2 | 20.4 | 20.4 | 20.2 | 20.4 | 20.5 | 20.6 | 22.1 | 21.6 | 20.9 | 20.2 | 23.1 | 21.1 |
| Jul 25 | 20.6 | 20.2 | 20.2 | 21.4 | 20.3 | 20.0 | 20.5 | 21.3 | 20.7 | 20.7 | 20.7 | 20.7 | 21.0 | 21.5 | 21.9 | 22.4 | 21.0 | 20.2 | 20.4 | 21.2 | 21.6 | 21.0 | 20.6 | 20.2 | 20.0 | 22.4 | 20.8 |
| Jul 26 | 19.9 | 21.7 | 20.3 | 21.1 | 21.1 | 21.8 | 20.6 | 20.5 | 20.3 | 20.3 | 20.3 | 20.0 | 20.3 | 20.1 | 20.3 | 20.1 | 20.4 | 20.2 | 20.2 | 20.6 | 22.2 | 22.1 | 22.2 | 22.1 | 19.9 | 22.2 | 20.8 |
| Jul 27 | 21.8 | 21.3 | 20.8 | 20.7 | 20.5 | 20.4 | 20.3 | 20.3 | 20.9 | 21.4 | 21.3 | 21.7 | 22.5 | 23.0 | 23.5 | 23.8 | 24.2 | 24.4 | 24.4 | 24.5 | 23.7 | 22.3 | 20.9 | 19.9 | 19.9 | 24.5 | 22.0 |
| Jul 28 | 19.8 | 21.6 | 20.5 | 21.7 | 20.7 | 21.6 | 20.9 | 21.6 | 21.3 | 20.2 | 20.3 | 20.3 | 20.3 | 20.2 | 20.3 | 20.3 | 20.2 | 20.2 | 20.2 | 20.3 | 20.9 | 21.8 | 21.5 | 21.8 | 19.8 | 21.8 | 20.8 |
| Jul 29 | 21.6 | 21.2 | 20.6 | 20.0 | 21.3 | 20.3 | 20.9 | 20.5 | 20.3 | 20.2 | 20.2 | 20.2 | 19.9 | 19.9 | 19.9 | 20.1 | 20.0 | 19.9 | 20.2 | 20.1 | 20.4 | 20.3 | 22.0 | 23.1 | 19.9 | 23.1 | 20.5 |
| Jul 30 | 23.7 | 23.3 | 22.6 | 21.7 | 20.9 | 20.5 | 20.5 | 20.5 | 20.2 | 21.1 | 19.9 | 20.2 | 20.0 | 19.9 | 19.9 | 19.8 | 19.8 | 20.1 | 19.9 | 20.2 | 20.2 | 20.3 | 21.1 | 21.0 | 19.8 | 23.7 | 20.7 |
| Jul 31 | 20.8 | 20.5 | 21.4 | 22.1 | 21.4 | 20.2 | 20.5 | 20.7 | 20.3 | 20.2 | 19.9 | 20.0 | 19.9 | 19.8 | 19.9 | 20.0 | 19.9 | 19.9 | 20.3 | 20.1 | 20.4 | 20.2 | 20.2 | 20.4 | 19.8 | 22.1 | **20.4** |
| Diurnal Maximum | 24.3 | 24.4 | 24.2 | 24.2 | 24.5 | 23.9 | 24.2 | 24.7 | 24.0 | 23.4 | 23.8 | 24.2 | 22.8 | 23.4 | 24.0 | 24.5 | 24.2 | 24.4 | 24.4 | 24.5 | 23.7 | 22.7 | 22.9 | 23.3 | | | |
| Diurnal Average | 21.8 | 21.9 | 21.3 | 21.3 | 21.2 | 21.3 | 21.1 | 21.1 | 20.9 | 20.8 | 20.7 | 20.7 | 20.6 | 20.4 | 20.5 | 20.6 | 20.5 | 20.5 | 20.6 | 20.8 | 21.0 | 21.3 | 21.4 | 21.5 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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*

### *Peace River Complex (PRC) Station - July 2025*

### Summary of Hourly Averages

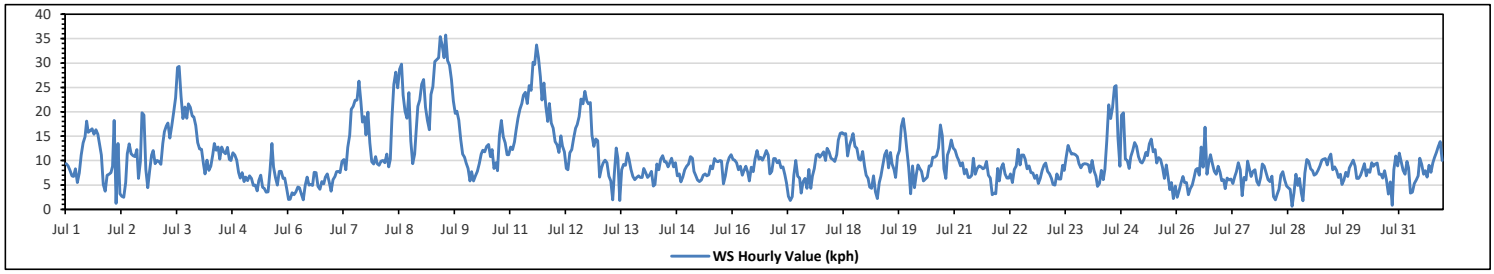
### VECTOR WIND SPEED (VWS) in km/hr

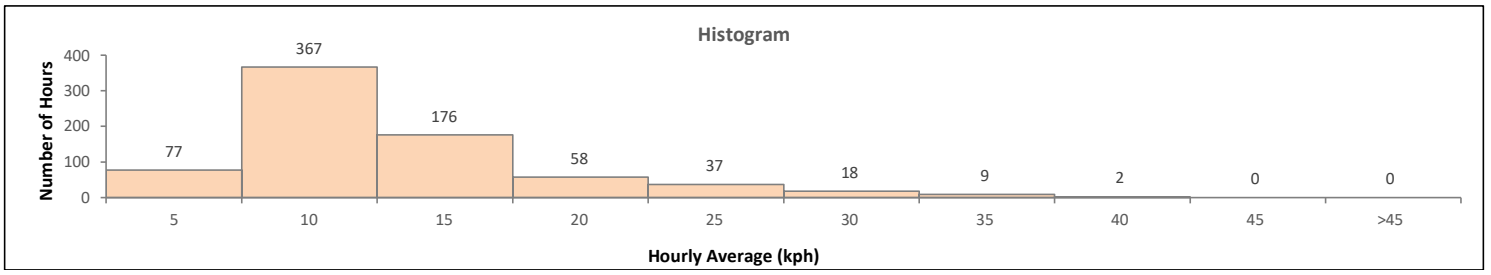
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 35.7 | kph | on Jul 9 at hr 13 | Hours in Service: | 744 | |
| Maximum Daily Value: | 24.5 | kph | on Jul 9 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.6 | kph | on Jul 28 at hr 14 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 4.7 | kph | on Jul 6 | Hours of Calibration: | 0 | |
| Monthly Average: | 5.1 | 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 |
| Jul 1 | 9.4 | 8.9 | 8.0 | 6.9 | 6.7 | 8.3 | 5.5 | 7.4 | 11.1 | 13.6 | 14.9 | 18.1 | 15.8 | 16.1 | 16.5 | 15.4 | 16.3 | 15.4 | 13.5 | 11.1 | 5.1 | 3.7 | 7.0 | 7.2 | 3.7 | 18.1 | 10.9 |
| Jul 2 | 7.5 | 8.8 | 18.2 | 1.2 | 13.5 | 3.2 | 2.7 | 2.5 | 5.5 | 11.4 | 13.4 | 11.4 | 11.0 | 10.8 | 12.2 | 6.3 | 9.8 | 19.8 | 19.3 | 8.2 | 4.4 | 8.0 | 11.1 | 12.0 | 1.2 | 19.8 | 9.7 |
| Jul 3 | 9.4 | 10.0 | 9.8 | 9.2 | 13.5 | 15.9 | 17.1 | 17.7 | 14.6 | 17.1 | 19.9 | 22.9 | 29.1 | 29.3 | 23.2 | 18.6 | 21.0 | 18.7 | 21.6 | 20.9 | 19.1 | 18.9 | 17.2 | 13.7 | 9.2 | 29.3 | 17.9 |
| Jul 4 | 12.4 | 12.3 | 9.4 | 7.3 | 10.1 | 8.0 | 8.8 | 11.1 | 13.5 | 12.1 | 12.8 | 10.3 | 12.8 | 11.8 | 11.4 | 12.7 | 10.2 | 10.0 | 11.6 | 11.1 | 10.1 | 7.5 | 6.4 | 7.5 | 6.4 | 13.5 | 10.5 |
| Jul 5 | 5.7 | 6.6 | 5.9 | 6.9 | 6.3 | 4.9 | 5.0 | 3.8 | 5.9 | 7.0 | 4.5 | 4.3 | 3.5 | 3.6 | 7.9 | 13.5 | 8.7 | 6.5 | 5.0 | 7.8 | 7.8 | 6.3 | 6.4 | 4.3 | 3.5 | 13.5 | 6.2 |
| Jul 6 | 2.0 | 2.1 | 3.4 | 3.0 | 3.6 | 4.6 | 4.4 | 3.1 | 1.9 | 4.9 | 6.6 | 5.0 | 5.1 | 4.9 | 7.6 | 7.5 | 4.7 | 4.1 | 5.7 | 5.2 | 6.6 | 7.3 | 5.6 | 3.7 | 1.9 | 7.6 | **4.7** |
| Jul 7 | 6.1 | 6.7 | 7.7 | 7.8 | 7.5 | 9.8 | 10.2 | 8.1 | 12.7 | 15.2 | 20.5 | 21.1 | 22.3 | 22.4 | 26.3 | 22.1 | 17.9 | 19.0 | 15.3 | 19.9 | 13.6 | 9.7 | 9.3 | 10.8 | 6.1 | 26.3 | 14.3 |
| Jul 8 | 9.4 | 9.0 | 9.9 | 10.0 | 9.6 | 11.3 | 8.7 | 10.3 | 18.6 | 25.6 | 28.1 | 24.9 | 28.7 | 29.8 | 23.4 | 20.1 | 18.7 | 23.9 | 14.0 | 9.4 | 11.3 | 16.3 | 21.1 | 22.4 | 8.7 | 29.8 | 17.3 |
| Jul 9 | 25.6 | 26.6 | 20.9 | 18.2 | 16.3 | 23.5 | 25.2 | 30.3 | 30.7 | 31.1 | 35.4 | 33.6 | 31.1 | **35.7** | 30.5 | 29.6 | 26.6 | 22.2 | 19.7 | 20.1 | 18.3 | 14.3 | 11.3 | 10.7 | 10.7 | **35.7** | **24.5** |
| Jul 10 | 9.5 | 8.4 | 5.8 | 7.7 | 5.8 | 6.9 | 7.8 | 9.4 | 11.3 | 12.1 | 11.8 | 12.9 | 13.3 | 10.8 | 12.2 | 8.4 | 9.6 | 7.9 | 15.2 | 18.2 | 14.9 | 13.6 | 11.2 | 11.2 | 5.8 | 18.2 | 10.7 |
| Jul 11 | 12.8 | 12.2 | 13.8 | 16.2 | 18.7 | 20.5 | 21.7 | 23.4 | 24.0 | 21.7 | 25.4 | 24.4 | 30.1 | 29.7 | 33.7 | 31.1 | 27.1 | 22.4 | 25.9 | 21.1 | 18.0 | 21.7 | 17.7 | 16.6 | 12.2 | 33.7 | 22.1 |
| Jul 12 | 13.9 | 13.2 | 11.7 | 15.1 | 13.0 | 11.8 | 8.4 | 8.1 | 11.6 | 12.2 | 14.6 | 16.6 | 17.4 | 19.0 | 22.6 | 21.6 | 24.2 | 22.2 | 21.6 | 21.9 | 15.3 | 12.9 | 14.4 | 14.1 | 8.1 | 24.2 | 15.7 |
| Jul 13 | 6.6 | 8.5 | 9.5 | 10.1 | 9.6 | 6.8 | 5.8 | 1.9 | 7.3 | 12.6 | 10.5 | 1.8 | 8.1 | 9.2 | 9.0 | 11.5 | 10.3 | 8.2 | 6.7 | 6.1 | 6.5 | 6.9 | 6.5 | 6.5 | 1.8 | 12.6 | 7.8 |
| Jul 14 | 8.4 | 7.5 | 6.5 | 7.0 | 7.8 | 4.8 | 5.1 | 9.3 | 8.1 | 10.3 | 11.0 | 9.7 | 9.7 | 8.7 | 9.5 | 10.5 | 8.7 | 9.6 | 6.9 | 7.3 | 5.6 | 6.6 | 8.1 | 8.8 | 4.8 | 11.0 | 8.1 |
| Jul 15 | 9.3 | 10.8 | 10.5 | 7.8 | 7.0 | 6.0 | 5.7 | 6.0 | 7.0 | 7.3 | 6.9 | 7.1 | 8.9 | 8.3 | 10.4 | 9.9 | 9.7 | 10.0 | 9.9 | 5.2 | 6.9 | 9.4 | 10.6 | 11.2 | 5.2 | 11.2 | 8.4 |
| Jul 16 | 10.2 | 10.1 | 9.6 | 8.1 | 8.8 | 7.0 | 7.9 | 8.8 | 7.6 | 5.8 | 8.6 | 7.7 | 10.4 | 12.0 | 10.3 | 10.7 | 10.1 | 10.9 | 12.0 | 11.1 | 7.3 | 7.8 | 10.4 | 10.4 | 5.8 | 12.0 | 9.3 |
| Jul 17 | 9.6 | 10.0 | 8.5 | 8.7 | 7.1 | 5.4 | 2.7 | 1.8 | 2.6 | 7.0 | 10.0 | 6.8 | 6.4 | 3.3 | 5.7 | 6.3 | 4.3 | 8.2 | 4.3 | 6.8 | 8.4 | 11.1 | 11.3 | 10.7 | 1.8 | 11.3 | 7.0 |
| Jul 18 | 11.2 | 11.8 | 10.0 | 12.5 | 11.8 | 10.5 | 10.2 | 9.8 | 11.2 | 14.2 | 15.6 | 15.7 | 15.4 | 15.5 | 10.9 | 13.1 | 14.3 | 15.5 | 12.9 | 12.5 | 10.3 | 10.1 | 11.9 | 8.8 | 8.8 | 15.7 | 12.3 |
| Jul 19 | 7.0 | 6.3 | 4.6 | 4.3 | 6.9 | 3.6 | 2.2 | 5.5 | 6.8 | 9.0 | 11.2 | 12.0 | 8.5 | 11.7 | 9.3 | 8.2 | 6.5 | 10.9 | 12.0 | 17.0 | 18.6 | 15.6 | 12.3 | 8.5 | 2.2 | 18.6 | 9.1 |
| Jul 20 | 3.2 | 8.9 | 4.4 | 7.3 | 9.1 | 8.3 | 7.8 | 5.8 | 6.2 | 6.6 | 8.9 | 8.9 | 10.7 | 10.7 | 11.0 | 12.6 | 17.3 | 15.1 | 8.3 | 6.3 | 11.1 | 12.2 | 14.2 | 12.6 | 3.2 | 17.3 | 9.5 |
| Jul 21 | 12.1 | 10.8 | 10.1 | 8.9 | 9.6 | 7.3 | 8.2 | 6.5 | 6.5 | 7.0 | 10.5 | 7.2 | 8.4 | 8.9 | 8.7 | 8.3 | 8.5 | 9.8 | 7.0 | 6.4 | 3.0 | 3.3 | 3.2 | 8.4 | 3.0 | 12.1 | 7.9 |
| Jul 22 | 5.8 | 8.5 | 9.4 | 7.3 | 6.4 | 6.4 | 7.3 | 5.5 | 8.2 | 8.9 | 12.3 | 9.1 | 11.1 | 11.1 | 10.3 | 8.3 | 8.9 | 7.5 | 7.4 | 6.3 | 7.0 | 5.3 | 6.3 | 8.0 | 5.3 | 12.3 | 8.0 |
| Jul 23 | 9.1 | 9.5 | 7.8 | 7.3 | 6.3 | 5.1 | 5.0 | 7.3 | 6.2 | 6.2 | 9.0 | 8.0 | 10.7 | 13.1 | 12.0 | 11.3 | 11.4 | 11.2 | 10.8 | 9.4 | 8.5 | 9.2 | 9.4 | 9.3 | 5.0 | 13.1 | 8.9 |
| Jul 24 | 9.1 | 7.6 | 10.0 | 7.9 | 6.8 | 4.7 | 5.3 | 8.0 | 6.1 | 8.2 | 14.1 | 21.4 | 18.6 | 20.9 | 25.1 | 25.4 | 14.6 | 8.8 | 19.3 | 19.8 | 10.3 | 10.0 | 8.4 | 10.8 | 4.7 | 25.4 | 12.6 |
| Jul 25 | 12.0 | 13.7 | 12.9 | 10.8 | 9.7 | 9.5 | 10.2 | 11.7 | 11.0 | 13.4 | 14.4 | 11.8 | 12.2 | 9.5 | 10.6 | 10.2 | 8.6 | 6.3 | 9.1 | 6.4 | 4.0 | 5.5 | 2.2 | 4.8 | 2.2 | 14.4 | 9.6 |
| Jul 26 | 2.5 | 3.9 | 5.4 | 6.7 | 5.5 | 5.5 | 3.0 | 4.2 | 5.0 | 6.6 | 8.1 | 8.4 | 7.0 | 12.8 | 8.6 | 16.8 | 7.2 | 9.7 | 11.2 | 9.4 | 7.8 | 7.2 | 8.8 | 7.6 | 2.5 | 16.8 | 7.5 |
| Jul 27 | 5.9 | 6.1 | 4.2 | 6.4 | 6.0 | 6.2 | 5.3 | 6.7 | 7.7 | 9.6 | 8.1 | 2.8 | 6.5 | 6.0 | 9.9 | 8.2 | 6.7 | 7.8 | 8.1 | 5.7 | 5.0 | 6.6 | 9.3 | 8.8 | 2.8 | 9.9 | 6.8 |
| Jul 28 | 7.4 | 6.1 | 5.7 | 6.8 | 2.6 | 1.9 | 3.0 | 4.1 | 7.0 | 7.7 | 6.0 | 4.8 | 4.4 | 4.1 | **0.6** | 3.4 | 7.2 | 4.9 | 6.3 | 3.3 | 1.7 | 7.4 | 10.2 | 9.8 | **0.6** | 10.2 | 5.3 |
| Jul 29 | 8.3 | 7.9 | 7.0 | 7.3 | 8.0 | 8.9 | 10.1 | 10.3 | 10.4 | 9.1 | 10.5 | 11.3 | 8.1 | 8.7 | 8.0 | 6.5 | 7.2 | 5.1 | 6.0 | 7.6 | 6.7 | 8.5 | 9.3 | 10.1 | 5.1 | 11.3 | 8.4 |
| Jul 30 | 8.8 | 6.3 | 6.3 | 7.0 | 8.1 | 9.4 | 6.9 | 8.1 | 7.6 | 9.6 | 8.8 | 9.3 | 9.5 | 7.2 | 7.2 | 6.4 | 7.9 | 6.0 | 3.1 | 5.6 | 0.8 | 8.1 | 10.9 | 8.9 | 0.8 | 10.9 | 7.4 |
| Jul 31 | 11.5 | 9.7 | 8.0 | 7.2 | 9.8 | 8.5 | 3.3 | 3.5 | 5.3 | 6.0 | 6.9 | 10.5 | 9.2 | 7.2 | 7.9 | 6.6 | 9.0 | 7.6 | 9.6 | 10.6 | 11.7 | 12.9 | 13.9 | 10.0 | 3.3 | 13.9 | 8.6 |
| Diurnal Maximum | 25.6 | 26.6 | 20.9 | 18.2 | 18.7 | 23.5 | 25.2 | 30.3 | 30.7 | 31.1 | 35.4 | 33.6 | 31.1 | 35.7 | 33.7 | 31.1 | 27.1 | 23.9 | 25.9 | 21.9 | 19.1 | 21.7 | 21.1 | 22.4 | | | |
| Diurnal Average | 9.1 | 9.3 | 8.9 | 8.4 | 8.8 | 8.2 | 7.8 | 8.4 | 9.7 | 11.3 | 12.9 | 12.3 | 13.0 | 13.3 | 13.3 | 12.9 | 12.0 | 11.8 | 11.6 | 10.9 | 9.2 | 9.8 | 10.2 | 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.



## *Peace River Area Monitoring Program*

### *Peace River Complex (PRC) Station - July 2025*

### Summary of Hourly Averages

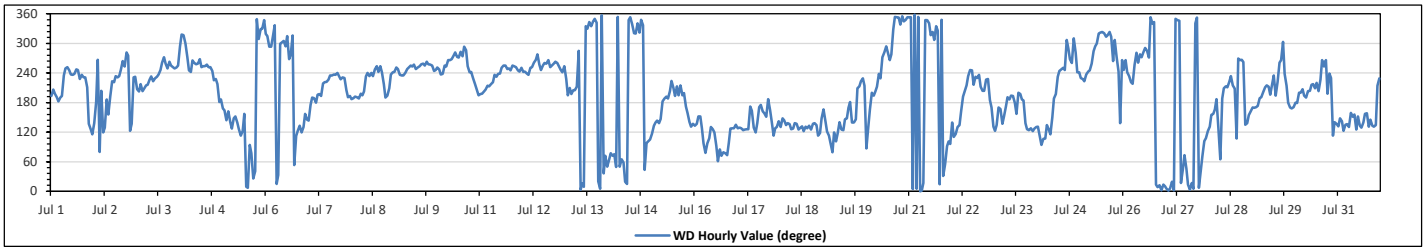
### WIND DIRECTION (VWD) in sector

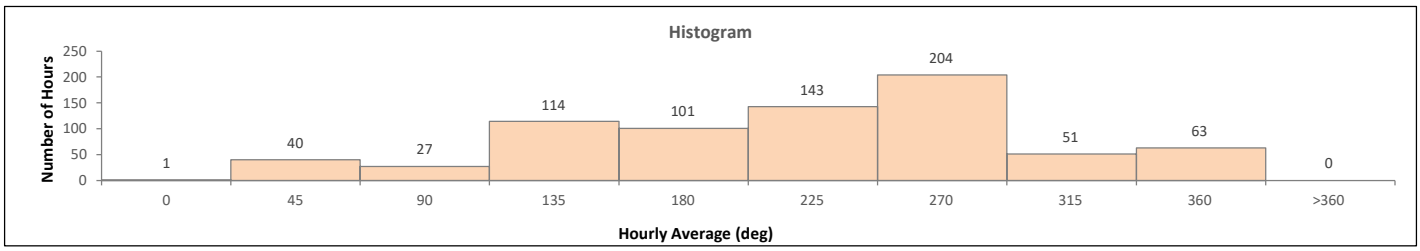
| | | | |
|---|---|---|---|
| Monthly Average: | 226 (SW) | degree | |
| Hours in Service: | 744 | | |
| Hours of Data: | 744 | | |
| Hours of Missing Data: | 0 | | |
| Hours of Calibration: | 0 | | |
| Operational Uptime: | 100.0 | | |

| 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 |
| Jul 1 | S | SSW | SSW | S | S | S | S | SW | WSW | WSW | WSW | SW | SW | SW | WSW | WSW | SW | SW | SW | SW | SSW | SE | SE | ESE | 225 | SW |
| Jul 2 | SE | S | W | E | SSW | ESE | SE | S | SSE | S | SW | SW | SW | SW | SW | WSW | W | WSW | W | W | ESE | SE | SW | SW | 228 | SW |
| Jul 3 | SSW | SSW | SW | SSW | SSW | SSW | SW | SW | SW | SW | SW | SW | SW | WSW | W | W | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | 240 | WSW |
| Jul 4 | WNW | NW | NW | WNW | W | WSW | WSW | W | W | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | WSW | WSW | SW | SW | SW | S | S | 257 | WSW |
| Jul 5 | SSE | SSE | SE | SSE | SE | SE | SE | SSE | SE | SE | ESE | ESE | SSE | N | N | E | ENE | NNE | NE | NNW | NW | NNW | NNW | NNW | 95 | E |
| Jul 6 | NW | NW | WNW | WNW | NW | NNW | NNE | NNE | WNW | WNW | WNW | WNW | NW | W | W | NW | NE | ESE | ESE | SE | ESE | SE | SSE | SE | 318 | NW |
| Jul 7 | SE | S | S | S | S | SSW | SSW | S | SW | SW | SW | SW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SSW | S | S | 220 | SW |
| Jul 8 | S | S | S | S | S | SSW | SSW | SSW | SW | WSW | SW | WSW | SW | WSW | WSW | WSW | WSW | WSW | SW | S | SSW | SSW | SW | WSW | 228 | SW |
| Jul 9 | WSW | WSW | WSW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | 251 | WSW |
| Jul 10 | WSW | WSW | SW | SW | WSW | WSW | W | W | W | W | W | W | W | W | W | WNW | WNW | WSW | WSW | WSW | SW | SW | SSW | SSW | 254 | WSW |
| Jul 11 | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | 238 | SW |
| Jul 12 | WSW | WSW | WSW | SW | WSW | WSW | W | W | W | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | 254 | WSW |
| Jul 13 | SW | SSW | SSW | SSW | SSW | SSW | SSW | WNW | N | NNE | N | NNW | NNW | NNW | NNW | NNW | N | NNW | NNE | N | N | NE | ENE | NE | 341 | NNW |
| Jul 14 | ENE | ENE | ENE | ENE | NE | N | NE | ENE | ENE | NNE | NNE | NNW | N | NNW | NW | NW | NNW | NW | NNW | NNW | NE | E | E | ESE | 23 | NNE |
| Jul 15 | ESE | SE | SE | SE | SE | SE | S | S | S | S | SSW | SW | SSW | S | SSW | SSW | SSW | SSW | SSW | S | SSE | SE | SE | SE | 172 | S |
| Jul 16 | SE | SE | SSE | SSE | SE | E | ENE | E | ESE | SE | SE | ESE | E | ENE | E | ENE | ENE | ENE | ENE | E | SE | SE | SE | SE | 107 | ESE |
| Jul 17 | SE | SE | SE | ESE | SE | SE | SE | S | SSE | SE | ESE | SE | S | S | SSE | SSE | SSE | S | SSE | SE | ESE | SE | SE | SE | 138 | SE |
| Jul 18 | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | ESE | SE | SE | SE | SE | SE | SE | SE | ESE | ESE | SE | 132 | SE |
| Jul 19 | SSE | SE | ESE | ESE | E | ENE | ESE | E | ESE | SE | SE | ESE | SE | SE | SSE | S | SE | SE | SE | SSW | SSW | SW | SW | SSW | 162 | SSE |
| Jul 20 | E | ESE | SSE | SSW | SSW | SSW | SSW | SW | SW | W | W | WNW | W | W | W | NNW | N | N | N | NNW | N | NNW | NNW | N | 308 | NW |
| Jul 21 | N | N | N | N | N | N | N | N | NNE | NNW | NNW | NNW | NW | NW | NW | NNW | NW | NNE | NNW | NNE | NE | E | E | E | 356 | N |
| Jul 22 | SE | ESE | ESE | SE | SE | SSE | S | SSW | SSW | SW | WSW | WSW | SW | SW | SW | SW | SSW | SSW | SSW | SW | SW | S | SSE | SE | 199 | SSW |
| Jul 23 | ESE | SE | SSE | SSE | SE | SSE | S | S | S | SSW | S | S | SSE | SSW | SSW | S | S | SE | SE | ESE | SE | ESE | SE | SE | 159 | SSE |
| Jul 24 | SE | ESE | E | ESE | ESE | SE | SE | ESE | SSE | S | SSW | SW | WSW | WSW | WSW | WSW | NW | WNW | W | WSW | NW | W | WSW | WSW | 237 | SW |
| Jul 25 | SW | SW | SW | SW | WSW | WSW | WSW | WNW | WNW | WNW | NW | NW | NW | NW | NW | NW | NW | NW | W | NW | W | WSW | SE | W | 281 | W |
| Jul 26 | WSW | W | WSW | SW | SW | SW | WSW | W | W | W | W | W | WNW | WNW | W | N | NNW | NNW | NNE | N | NNE | N | NNE | N | 312 | NW |
| Jul 27 | N | N | N | NNE | N | N | NNW | NNW | NNE | NE | ENE | NE | NNE | N | NNE | N | NNW | N | N | NE | ENE | E | ESE | ESE | 25 | NNE |
| Jul 28 | SE | SSE | SSE | SSE | S | SE | ENE | S | SSW | SSW | SSW | SW | SW | SSW | SSW | ESE | W | W | W | W | SE | SE | SSE | SSE | 186 | S |
| Jul 29 | SSE | SSE | S | S | S | S | SSW | SSW | SSW | SSW | SSW | SW | SW | SSW | SW | W | W | WNW | SW | SSW | S | SSE | SSE | S | 201 | SSW |
| Jul 30 | S | S | SSW | SSW | SSW | SSW | S | SSW | SSW | SW | SW | SSW | SW | SSW | SW | W | WSW | W | SSW | WSW | SW | ESE | SE | SE | 202 | SSW |
| Jul 31 | SE | SE | SE | ESE | SE | SE | SE | SSE | SSE | SSE | SE | SSE | SE | SE | SE | SSE | SSE | SE | SE | SE | SE | SE | SSW | SW | 147 | SE |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 2025*

### Summary of Hourly Averages

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

**WIND SPEED**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 35.7 | kph | on Jul 9 at hr 13 | Hours in Service: | 744 |
| Maximum Daily Value: | 24.5 | kph | on Jul 9 | Hours of Data: | 744 |
| Minimum Hourly Value: | 0.6 | kph | on Jul 28 at hr 14 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 4.7 | kph | on Jul 6 | Hours of Calibration: | 0 |
| Monthly Average: | 5.1 | kph | | Operational Uptime: | 100.0 |

**WIND DIRECTION**

Monthly Average: 226 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 | | | |
| Jul 1 | 9.4 | 8.9 | 8.0 | 6.9 | 6.7 | 8.3 | 5.5 | 7.4 | 11.1 | 13.6 | 14.9 | 18.1 | 15.8 | 16.1 | 16.5 | 15.4 | 16.3 | 15.4 | 13.5 | 11.1 | 5.1 | 3.7 | 7.0 | 7.2 | 3.7 | 18.1 | 10.9 |
| | S | SSW | SSW | S | S | S | S | SW | WSW | WSW | WSW | SW | SW | SW | WSW | WSW | SW | SW | SW | SW | SSW | SE | SE | ESE | | | 225(SW) |
| Jul 2 | 7.5 | 8.8 | 18.2 | 1.2 | 13.5 | 3.2 | 2.7 | 2.5 | 5.5 | 11.4 | 13.4 | 11.4 | 11.0 | 10.8 | 12.2 | 6.3 | 9.8 | 19.8 | 19.3 | 8.2 | 4.4 | 8.0 | 11.1 | 12.0 | 1.2 | 19.8 | 9.7 |
| | SE | S | W | E | SSW | ESE | SE | S | SSE | S | SW | SW | SW | SW | SW | WSW | W | WSW | W | W | ESE | SE | SW | SW | | | 228(SW) |
| Jul 3 | 9.4 | 10.0 | 9.8 | 9.2 | 13.5 | 15.9 | 17.1 | 17.7 | 14.6 | 17.1 | 19.9 | 22.9 | 29.1 | 29.3 | 23.2 | 18.6 | 21.0 | 18.7 | 21.6 | 20.9 | 19.1 | 18.9 | 17.2 | 13.7 | 9.2 | 29.3 | 17.9 |
| | SSW | SSW | SW | SSW | SSW | SSW | SW | SW | SW | SW | SW | SW | SW | WSW | W | W | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | | | 240(WSW) |
| Jul 4 | 12.4 | 12.3 | 9.4 | 7.3 | 10.1 | 8.0 | 8.8 | 11.1 | 13.5 | 12.1 | 12.8 | 10.3 | 12.8 | 11.8 | 11.4 | 12.7 | 10.2 | 10.0 | 11.6 | 11.1 | 10.1 | 7.5 | 6.4 | 7.5 | 6.4 | 13.5 | 10.5 |
| | WNW | NW | NW | WNW | W | WSW | WSW | W | W | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | WSW | WSW | SW | SW | SW | S | S | | | 257(WSW) |
| Jul 5 | 5.7 | 6.6 | 5.9 | 6.9 | 6.3 | 4.9 | 5.0 | 3.8 | 5.9 | 7.0 | 4.5 | 4.3 | 3.5 | 3.6 | 7.9 | 13.5 | 8.7 | 6.5 | 5.0 | 7.8 | 7.8 | 6.3 | 6.4 | 4.3 | 3.5 | 13.5 | 6.2 |
| | SSE | SSE | SE | SSE | SE | SE | SE | SSE | SE | SE | ESE | ESE | SSE | N | N | E | ENE | NNE | NE | NNW | NW | NNW | NNW | NNW | | | 95(E) |
| Jul 6 | 2.0 | 2.1 | 3.4 | 3.0 | 3.6 | 4.6 | 4.4 | 3.1 | 1.9 | 4.9 | 6.6 | 5.0 | 5.1 | 4.9 | 7.6 | 7.5 | 4.7 | 4.1 | 5.7 | 5.2 | 6.6 | 7.3 | 5.6 | 3.7 | 1.9 | 7.6 | **4.7** |
| | NW | NW | WNW | WNW | NW | NNW | NNE | NNE | WNW | WNW | WNW | WNW | NW | W | W | NW | NE | ESE | ESE | SE | ESE | SE | SSE | SE | | | 318(NW) |
| Jul 7 | 6.1 | 6.7 | 7.7 | 7.8 | 7.5 | 9.8 | 10.2 | 8.1 | 12.7 | 15.2 | 20.5 | 21.1 | 22.3 | 22.4 | 26.3 | 22.1 | 17.9 | 19.0 | 15.3 | 19.9 | 13.6 | 9.7 | 9.3 | 10.8 | 6.1 | 26.3 | 14.3 |
| | SE | S | S | S | S | SSW | SSW | S | SW | SW | SW | SW | SW | SW | SW | SW | WSW | SW | SW | SW | SW | SSW | S | S | | | 220(SW) |
| Jul 8 | 9.4 | 9.0 | 9.9 | 10.0 | 9.6 | 11.3 | 8.7 | 10.3 | 18.6 | 25.6 | 28.1 | 24.9 | 28.7 | 29.8 | 23.4 | 20.1 | 18.7 | 23.9 | 14.0 | 9.4 | 11.3 | 16.3 | 21.1 | 22.4 | 8.7 | 29.8 | 17.3 |
| | S | S | S | S | S | SSW | SSW | SSW | SW | WSW | SW | WSW | SW | WSW | WSW | WSW | WSW | WSW | SW | S | SSW | SSW | SW | WSW | | | 228(SW) |
| Jul 9 | 25.6 | 26.6 | 20.9 | 18.2 | 16.3 | 23.5 | 25.2 | 30.3 | 30.7 | 31.1 | 35.4 | 33.6 | 31.1 | **35.7** | 30.5 | 29.6 | 26.6 | 22.2 | 19.7 | 20.1 | 18.3 | 14.3 | 11.3 | 10.7 | 10.7 | **35.7** | **24.5** |
| | WSW | WSW | WSW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | | | 251(WSW) |
| Jul 10 | 9.5 | 8.4 | 5.8 | 7.7 | 5.8 | 6.9 | 7.8 | 9.4 | 11.3 | 12.1 | 11.8 | 12.9 | 13.3 | 10.8 | 12.2 | 8.4 | 9.6 | 7.9 | 15.2 | 18.2 | 14.9 | 13.6 | 11.2 | 11.2 | 5.8 | 18.2 | 10.7 |
| | WSW | WSW | SW | SW | WSW | WSW | W | W | W | W | W | W | W | W | W | WNW | WNW | WSW | WSW | WSW | SW | SW | SSW | SSW | | | 254(WSW) |
| Jul 11 | 12.8 | 12.2 | 13.8 | 16.2 | 18.7 | 20.5 | 21.7 | 23.4 | 24.0 | 21.7 | 25.4 | 24.4 | 30.1 | 29.7 | 33.7 | 31.1 | 27.1 | 22.4 | 25.9 | 21.1 | 18.0 | 21.7 | 17.7 | 16.6 | 12.2 | 33.7 | 22.1 |
| | SSW | SSW | SSW | SSW | SSW | SSW | SW | SW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | | | 238(SW) |
| Jul 12 | 13.9 | 13.2 | 11.7 | 15.1 | 13.0 | 11.8 | 8.4 | 8.1 | 11.6 | 12.2 | 14.6 | 16.6 | 17.4 | 19.0 | 22.6 | 21.6 | 24.2 | 22.2 | 21.6 | 21.9 | 15.3 | 12.9 | 14.4 | 14.1 | 8.1 | 24.2 | 15.7 |
| | WSW | WSW | WSW | SW | WSW | WSW | W | W | W | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | | | 254(WSW) |
| Jul 13 | 6.6 | 8.5 | 9.5 | 10.1 | 9.6 | 6.8 | 5.8 | 1.9 | 7.3 | 12.6 | 10.5 | 1.8 | 8.1 | 9.2 | 9.0 | 11.5 | 10.3 | 8.2 | 6.7 | 6.1 | 6.5 | 6.9 | 6.5 | 6.5 | 1.8 | 12.6 | 7.8 |
| | SW | SSW | SSW | SSW | SSW | SSW | SSW | WNW | N | NNE | N | NNW | NNW | NNW | NNW | NNW | N | NNW | NNE | N | N | NE | ENE | NE | | | 341(NNW) |
| Jul 14 | 8.4 | 7.5 | 6.5 | 7.0 | 7.8 | 4.8 | 5.1 | 9.3 | 8.1 | 10.3 | 11.0 | 9.7 | 9.7 | 8.7 | 9.5 | 10.5 | 8.7 | 9.6 | 6.9 | 7.3 | 5.6 | 6.6 | 8.1 | 8.8 | 4.8 | 11.0 | 8.1 |
| | ENE | ENE | ENE | ENE | NE | N | NE | ENE | ENE | NNE | NNE | NNW | N | NNW | NW | NW | NNW | NW | NNW | NNW | NE | E | E | ESE | | | 23(NNE) |
| Jul 15 | 9.3 | 10.8 | 10.5 | 7.8 | 7.0 | 6.0 | 5.7 | 6.0 | 7.0 | 7.3 | 6.9 | 7.1 | 8.9 | 8.3 | 10.4 | 9.9 | 9.7 | 10.0 | 9.9 | 5.2 | 6.9 | 9.4 | 10.6 | 11.2 | 5.2 | 11.2 | 8.4 |
| | ESE | SE | SE | SE | SE | SE | S | S | S | S | SSW | SW | SSW | S | SSW | SSW | SSW | SSW | SSW | S | SSE | SE | SE | SE | | | 172(S) |
| Jul 16 | 10.2 | 10.1 | 9.6 | 8.1 | 8.8 | 7.0 | 7.9 | 8.8 | 7.6 | 5.8 | 8.6 | 7.7 | 10.4 | 12.0 | 10.3 | 10.7 | 10.1 | 10.9 | 12.0 | 11.1 | 7.3 | 7.8 | 10.4 | 10.4 | 5.8 | 12.0 | 9.3 |
| | SE | SE | SSE | SSE | SE | E | ENE | E | ESE | SE | SE | ESE | E | ENE | E | ENE | ENE | ENE | ENE | E | SE | SE | SE | SE | | | 107(ESE) |
| Jul 17 | 9.6 | 10.0 | 8.5 | 8.7 | 7.1 | 5.4 | 2.7 | 1.8 | 2.6 | 7.0 | 10.0 | 6.8 | 6.4 | 3.3 | 5.7 | 6.3 | 4.3 | 8.2 | 4.3 | 6.8 | 8.4 | 11.1 | 11.3 | 10.7 | 1.8 | 11.3 | 7.0 |
| | SE | SE | SE | ESE | SE | SE | SE | S | SSE | SE | ESE | SE | S | S | SSE | SSE | SSE | S | SSE | SE | ESE | SE | SE | SE | | | 138(SE) |
| Jul 18 | 11.2 | 11.8 | 10.0 | 12.5 | 11.8 | 10.5 | 10.2 | 9.8 | 11.2 | 14.2 | 15.6 | 15.7 | 15.4 | 15.5 | 10.9 | 13.1 | 14.3 | 15.5 | 12.9 | 12.5 | 10.3 | 10.1 | 11.9 | 8.8 | 8.8 | 15.7 | 12.3 |
| | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | SE | ESE | SE | SE | SE | SE | SE | SE | SE | ESE | ESE | SE | | | 132(SE) |
| Jul 19 | 7.0 | 6.3 | 4.6 | 4.3 | 6.9 | 3.6 | 2.2 | 5.5 | 6.8 | 9.0 | 11.2 | 12.0 | 8.5 | 11.7 | 9.3 | 8.2 | 6.5 | 10.9 | 12.0 | 17.0 | 18.6 | 15.6 | 12.3 | 8.5 | 2.2 | 18.6 | 9.1 |
| | SSE | SE | ESE | ESE | E | ENE | ESE | E | ESE | SE | SE | ESE | SE | SE | SSE | S | SE | SE | SE | SSW | SSW | SW | SW | SSW | | | 162(SSE) |
| Jul 20 | 3.2 | 8.9 | 4.4 | 7.3 | 9.1 | 8.3 | 7.8 | 5.8 | 6.2 | 6.6 | 8.9 | 8.9 | 10.7 | 10.7 | 11.0 | 12.6 | 17.3 | 15.1 | 8.3 | 6.3 | 11.1 | 12.2 | 14.2 | 12.6 | 3.2 | 17.3 | 9.5 |
| | E | ESE | SSE | SSW | SSW | SSW | SSW | SW | SW | W | W | WNW | W | W | W | NNW | N | N | N | NNW | N | NNW | NNW | N | | | 308(NW) |
| Jul 21 | 12.1 | 10.8 | 10.1 | 8.9 | 9.6 | 7.3 | 8.2 | 6.5 | 6.5 | 7.0 | 10.5 | 7.2 | 8.4 | 8.9 | 8.7 | 8.3 | 8.5 | 9.8 | 7.0 | 6.4 | 3.0 | 3.3 | 3.2 | 8.4 | 3.0 | 12.1 | 7.9 |
| | N | N | N | N | N | N | N | N | NNE | NNW | NNW | NNW | NW | NW | NW | NNW | NW | NNE | NNW | NNE | NE | E | E | E | | | 356(N) |
| Jul 22 | 5.8 | 8.5 | 9.4 | 7.3 | 6.4 | 6.4 | 7.3 | 5.5 | 8.2 | 8.9 | 12.3 | 9.1 | 11.1 | 11.1 | 10.3 | 8.3 | 8.9 | 7.5 | 7.4 | 6.3 | 7.0 | 5.3 | 6.3 | 8.0 | 5.3 | 12.3 | 8.0 |
| | SE | ESE | ESE | SE | SE | SSE | S | SSW | SSW | SW | WSW | WSW | SW | SW | SW | SW | SSW | SSW | SSW | SW | SW | S | SSE | SE | | | 199(SSW) |
| Jul 23 | 9.1 | 9.5 | 7.8 | 7.3 | 6.3 | 5.1 | 5.0 | 7.3 | 6.2 | 6.2 | 9.0 | 8.0 | 10.7 | 13.1 | 12.0 | 11.3 | 11.4 | 11.2 | 10.8 | 9.4 | 8.5 | 9.2 | 9.4 | 9.3 | 5.0 | 13.1 | 8.9 |
| | ESE | SE | SSE | SSE | SE | SSE | S | S | S | SSW | S | S | SSE | SSW | SSW | S | S | SE | SE | ESE | SE | ESE | SE | SE | | | 159(SSE) |
| Jul 24 | 9.1 | 7.6 | 10.0 | 7.9 | 6.8 | 4.7 | 5.3 | 8.0 | 6.1 | 8.2 | 14.1 | 21.4 | 18.6 | 20.9 | 25.1 | 25.4 | 14.6 | 8.8 | 19.3 | 19.8 | 10.3 | 10.0 | 8.4 | 10.8 | 4.7 | 25.4 | 12.6 |
| | SE | ESE | E | ESE | ESE | SE | SE | ESE | SSE | S | SSW | SW | WSW | WSW | WSW | WSW | NW | WNW | W | WSW | NW | W | WSW | WSW | | | 237(SW) |
| Jul 25 | 12.0 | 13.7 | 12.9 | 10.8 | 9.7 | 9.5 | 10.2 | 11.7 | 11.0 | 13.4 | 14.4 | 11.8 | 12.2 | 9.5 | 10.6 | 10.2 | 8.6 | 6.3 | 9.1 | 6.4 | 4.0 | 5.5 | 2.2 | 4.8 | 2.2 | 14.4 | 9.6 |
| | SW | SW | SW | SW | WSW | WSW | WSW | WNW | WNW | WNW | NW | NW | NW | NW | NW | NW | NW | NW | W | NW | W | WSW | SE | W | | | 281(W) |
| Jul 26 | 2.5 | 3.9 | 5.4 | 6.7 | 5.5 | 5.5 | 3.0 | 4.2 | 5.0 | 6.6 | 8.1 | 8.4 | 7.0 | 12.8 | 8.6 | 16.8 | 7.2 | 9.7 | 11.2 | 9.4 | 7.8 | 7.2 | 8.8 | 7.6 | 2.5 | 16.8 | 7.5 |
| | WSW | W | WSW | SW | SW | SW | WSW | W | W | W | W | W | WNW | WNW | W | N | NNW | NNW | NNE | N | NNE | N | NNE | N | | | 312(NW) |
| Jul 27 | 5.9 | 6.1 | 4.2 | 6.4 | 6.0 | 6.2 | 5.3 | 6.7 | 7.7 | 9.6 | 8.1 | 2.8 | 6.5 | 6.0 | 9.9 | 8.2 | 6.7 | 7.8 | 8.1 | 5.7 | 5.0 | 6.6 | 9.3 | 8.8 | 2.8 | 9.9 | 6.8 |
| | N | N | N | NNE | N | N | NNW | NNW | NNE | NE | ENE | NE | NNE | N | NNE | N | NNW | N | N | NE | ENE | E | ESE | ESE | | | 25(NNE) |
| Jul 28 | 7.4 | 6.1 | 5.7 | 6.8 | 2.6 | 1.9 | 3.0 | 4.1 | 7.0 | 7.7 | 6.0 | 4.8 | 4.4 | 4.1 | **0.6** | 3.4 | 7.2 | 4.9 | 6.3 | 3.3 | 1.7 | 7.4 | 10.2 | 9.8 | **0.6** | 10.2 | 5.3 |
| | SE | SSE | SSE | SSE | S | SE | ENE | S | SSW | SSW | SSW | SW | SW | SSW | SSW | ESE | W | W | W | W | SE | SE | SSE | SSE | | | 186(S) |
| Jul 29 | 8.3 | 7.9 | 7.0 | 7.3 | 8.0 | 8.9 | 10.1 | 10.3 | 10.4 | 9.1 | 10.5 | 11.3 | 8.1 | 8.7 | 8.0 | 6.5 | 7.2 | 5.1 | 6.0 | 7.6 | 6.7 | 8.5 | 9.3 | 10.1 | 5.1 | 11.3 | 8.4 |
| | SSE | SSE | S | S | S | S | SSW | SSW | SSW | SSW | SW | SW | SSW | SSW | SW | W | W | WNW | SW | SSW | S | SSE | SSE | S | | | 201(SSW) |
| Jul 30 | 8.8 | 6.3 | 6.3 | 7.0 | 8.1 | 9.4 | 6.9 | 8.1 | 7.6 | 9.6 | 8.8 | 9.3 | 9.5 | 7.2 | 7.2 | 6.4 | 7.9 | 6.0 | 3.1 | 5.6 | 0.8 | 8.1 | 10.9 | 8.9 | 0.8 | 10.9 | 7.4 |
| | S | S | SSW | SSW | SSW | SSW | S | SSW | SSW | SW | SW | SSW | SW | SSW | SW | W | WSW | W | SSW | WSW | SW | ESE | SE | SE | | | 202(SSW) |
| Jul 31 | 11.5 | 9.7 | 8.0 | 7.2 | 9.8 | 8.5 | 3.3 | 3.5 | 5.3 | 6.0 | 6.9 | 10.5 | 9.2 | 7.2 | 7.9 | 6.6 | 9.0 | 7.6 | 9.6 | 10.6 | 11.7 | 12.9 | 13.9 | 10.0 | 3.3 | 13.9 | 8.6 |
| | SE | SE | SE | ESE | SE | SE | SE | SSE | SSE | SSE | SE | SSE | SE | SE | SE | SSE | SSE | SE | SE | SE | SE | SE | SSW | SW | | | 147(SE) |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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) | | | |

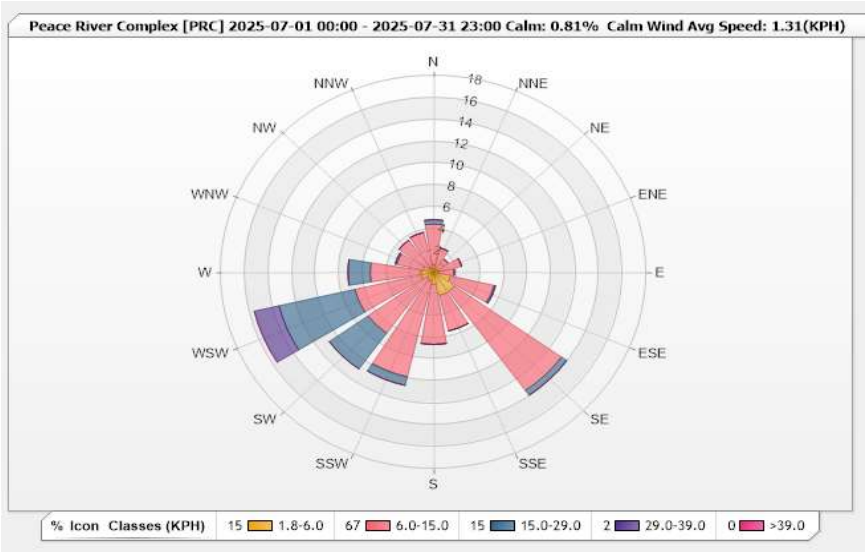
Daily Average is shown "-" if minimum data completeness criteria of 75% or 18 hours per day is not met.
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

**Station: Peace River Complex [PRC]  Monitor: WDS [KPH]  Monthly: 07-2025**

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

Calm (WS<1.8kph): 0.81%  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 | 0.67 | 3.76 | 0.4 | 0 | 0 | 4.83 |
| NNE | 0.27 | 2.02 | 0 | 0 | 0 | 2.29 |
| NE | 0.94 | 0.54 | 0 | 0 | 0 | 1.48 |
| ENE | 0.4 | 2.02 | 0 | 0 | 0 | 2.42 |
| E | 0.4 | 1.34 | 0 | 0 | 0 | 1.74 |
| ESE | 1.48 | 3.76 | 0.13 | 0 | 0 | 5.37 |
| SE | 2.15 | 11.16 | 0.54 | 0 | 0 | 13.85 |
| SSE | 2.15 | 3.36 | 0 | 0 | 0 | 5.51 |
| S | 1.08 | 5.51 | 0 | 0 | 0 | 6.59 |
| SSW | 0.81 | 9.01 | 0.81 | 0 | 0 | 10.63 |
| SW | 0.67 | 6.18 | 4.03 | 0 | 0 | 10.88 |
| WSW | 1.08 | 5.78 | 6.59 | 2.15 | 0 | 15.6 |
| W | 1.08 | 4.3 | 1.88 | 0 | 0 | 7.26 |
| WNW | 0.94 | 2.28 | 0.13 | 0 | 0 | 3.35 |
| NW | 0.54 | 3.09 | 0 | 0 | 0 | 3.63 |
| NNW | 0.4 | 3.36 | 0 | 0 | 0 | 3.76 |
| Summary | 15.06 | 67.47 | 14.51 | 2.15 | 0 | 99.19 |



# AQHI GRIMSHAW STATION

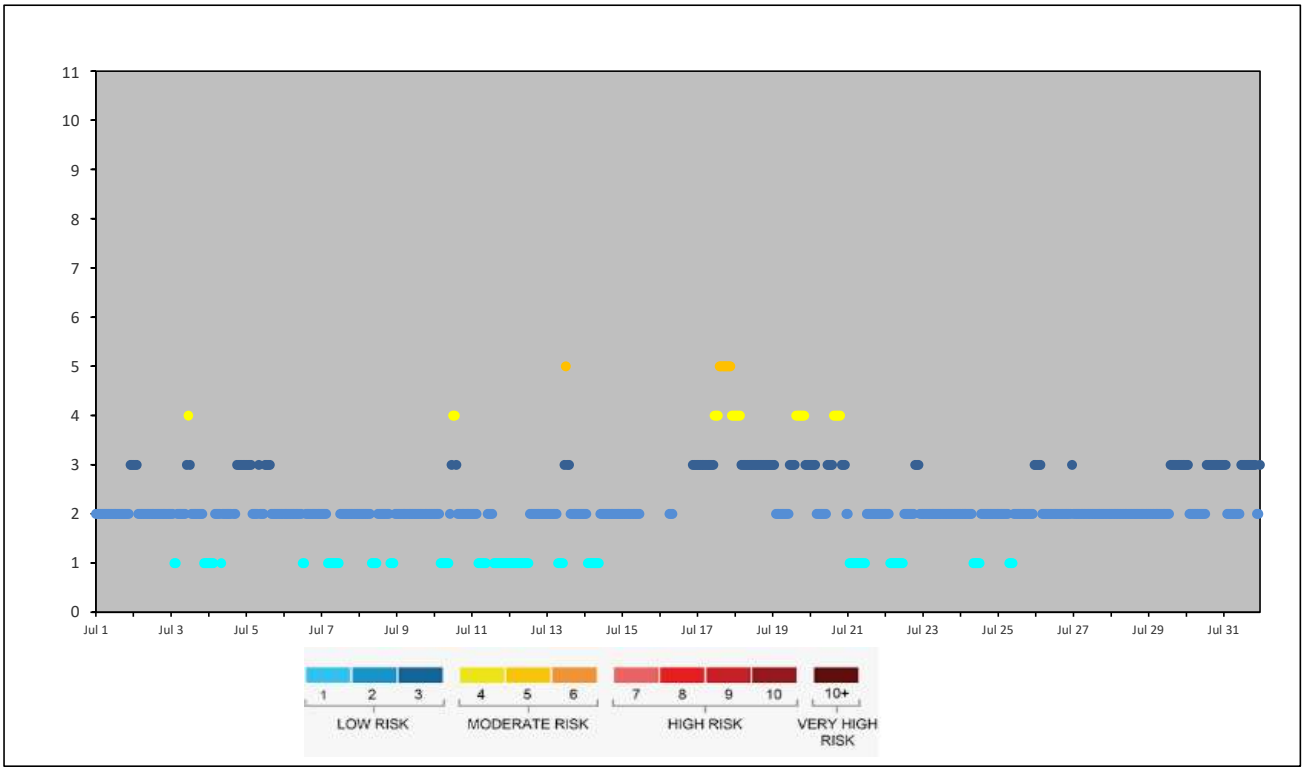
## *LAKELAND INDUSTRY & COMMUNITY ASSOCIATION*

### *AQHI - Grimshaw Station - July 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 |
| Jul 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| Jul 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 3 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| Jul 4 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | NA | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Jul 5 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 7 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 |
| Jul 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 10 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 11 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Jul 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 13 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 3 | 5 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 14 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 15 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Jul 16 | NA | NA | NA | NA | NA | NA | 2 | 2 | 2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3 | 3 | 3 |
| Jul 17 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 |
| Jul 18 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Jul 19 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| Jul 20 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 2 |
| Jul 21 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 22 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 |
| Jul 23 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 24 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 25 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Jul 26 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Jul 27 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 28 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Jul 29 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Jul 30 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Jul 31 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 |

**Note:** **NA: Note Available**



*Peace River Area Monitoring Program*

*AQHI - Grimshaw Station - July 2025*

**Summary of Hourly Averages**

**SULPHUR DIOXIDE ($SO_2$) in ppb**

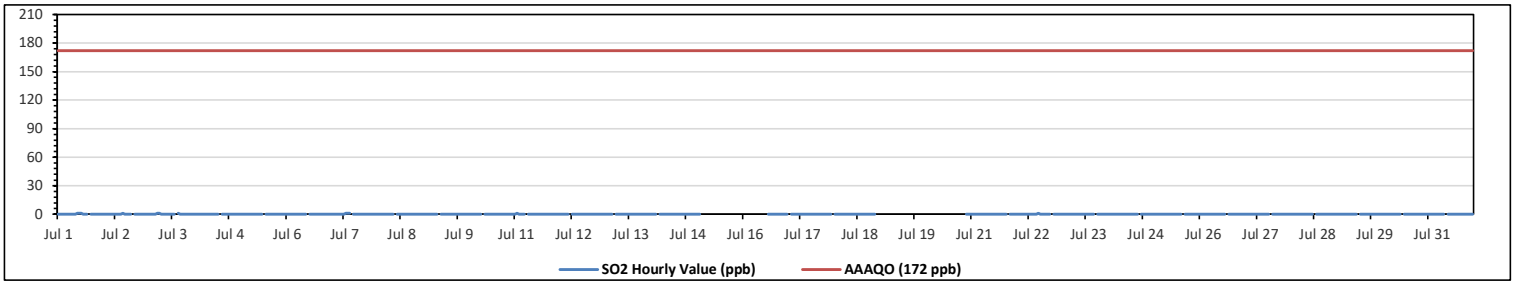
**Alberta Ambient Air Quality Objectives (AAAQO): 1-Hour 172 ppb, 24-Hour 48 ppb, 30-Day 11 ppb**

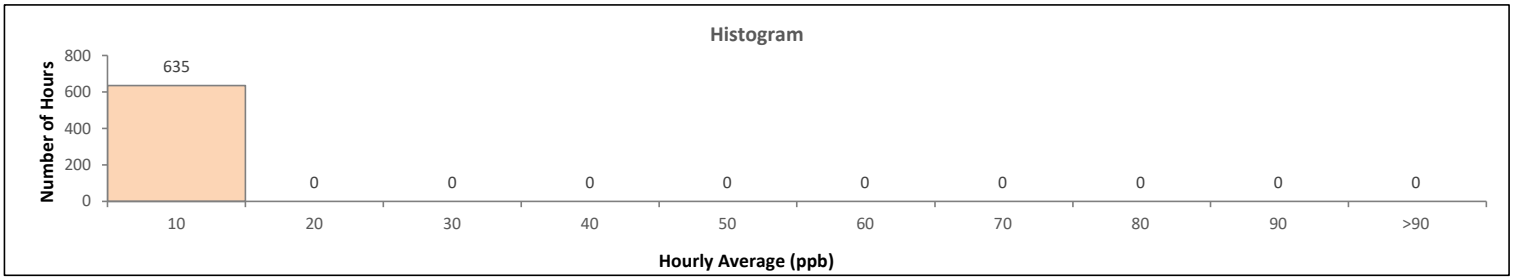
| | | | | | | |
|---|---|---|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | Number of 24-Hour Exceedances: | 0 | 30-Day Exceedence: | 0 | |
| Maximum Hourly Value: | 1 | ppb | on Jul 1 at hr 10 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.1 | ppb | on Jul 1 | Hours of Data: | 635 | |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 0 | Hours of Missing Data: | 74 | |
| Minimum Daily Value: | 0.0 | ppb | on Jul 4 | Hours of Calibration: | 35 | |
| Monthly Average: | 0.0 | ppb | | Operational Uptime: | 90.1 | |

| 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 | | | |
| Jul 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 4 | 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 |
| Jul 5 | 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 |
| Jul 6 | 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 |
| Jul 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 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 |
| Jul 11 | 0 | 1 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 12 | 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 |
| Jul 13 | 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 |
| Jul 14 | 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 |
| Jul 15 | 0 | 0 | S | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 0 | 0 | NA |
| Jul 16 | X | X | X | X | X | X | X | X | C | C | C | C | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| Jul 17 | 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 |
| Jul 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | X | 0 | 0 | 0.0 |
| Jul 19 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - |
| Jul 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | S | 0 | 0 | 0 | 0 | 0 | NA |
| Jul 21 | 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 |
| Jul 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 23 | 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 |
| Jul 24 | 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 |
| Jul 25 | 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 |
| Jul 26 | 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 |
| Jul 27 | 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 |
| Jul 28 | 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 |
| Jul 29 | 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 |
| Jul 30 | 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 |
| Jul 31 | 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 |
| Diurnal Maximum | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 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 | 0.1 | 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 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



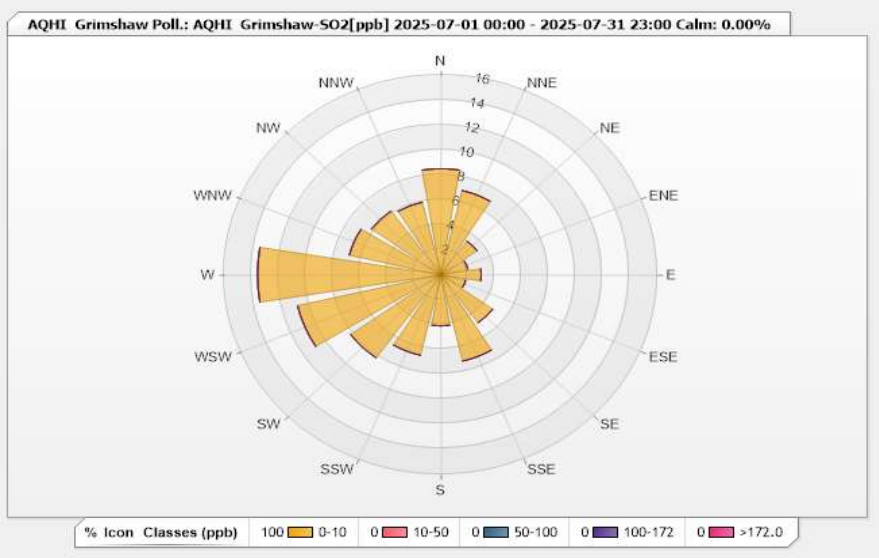



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-SO2[ppb] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 85.35% Calm Avg: 0.00 [ppb]

| Direction | 0-10 | 10-50 | 50-100 | 100-172 | >172.0 | Total |
|---|---|---|---|---|---|---|
| N | 8.5 | 0 | 0 | 0 | 0 | 8.5 |
| NNE | 6.93 | 0 | 0 | 0 | 0 | 6.93 |
| NE | 3.31 | 0 | 0 | 0 | 0 | 3.31 |
| ENE | 2.05 | 0 | 0 | 0 | 0 | 2.05 |
| E | 2.99 | 0 | 0 | 0 | 0 | 2.99 |
| ESE | 1.89 | 0 | 0 | 0 | 0 | 1.89 |
| SE | 4.72 | 0 | 0 | 0 | 0 | 4.72 |
| SSE | 7.09 | 0 | 0 | 0 | 0 | 7.09 |
| S | 4.09 | 0 | 0 | 0 | 0 | 4.09 |
| SSW | 6.61 | 0 | 0 | 0 | 0 | 6.61 |
| SW | 8.19 | 0 | 0 | 0 | 0 | 8.19 |
| WSW | 10.87 | 0 | 0 | 0 | 0 | 10.87 |
| W | 13.54 | 0 | 0 | 0 | 0 | 13.54 |
| WNW | 6.93 | 0 | 0 | 0 | 0 | 6.93 |
| NW | 6.3 | 0 | 0 | 0 | 0 | 6.3 |
| NNW | 5.98 | 0 | 0 | 0 | 0 | 5.98 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***AQHI - Grimshaw Station - July 2025***

**Summary of Hourly Averages**

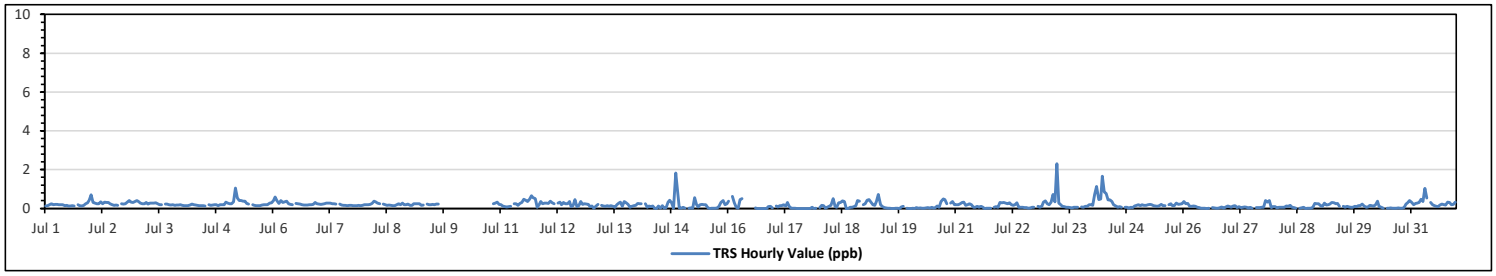
**TOTAL REDUCED SULPHUR (TRS) in ppb**

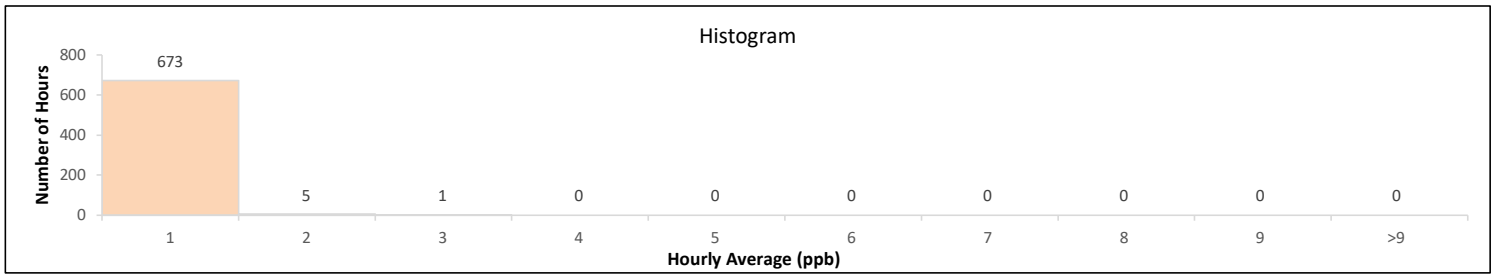
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.30 | ppb | on Jul 23 at hr 5 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.37 | ppb | on Jul 24 | Hours of Data: | 679 | |
| Minimum Hourly Value: | 0.00 | ppb | on Jul 14 at hr 10 | Hours of Missing Data: | 28 | |
| Minimum Daily Value: | 0.06 | ppb | on Jul 17 | Hours of Calibration: | 37 | |
| Monthly Average: | 0.19 | ppb | | Operational Uptime: | 96.2 | |

| 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 | | | |
| Jul 1 | 0.13 | 0.14 | 0.19 | 0.23 | 0.19 | 0.21 | 0.21 | 0.20 | 0.20 | 0.18 | 0.15 | 0.16 | 0.12 | 0.13 | 0.14 | 0.13 | S | 0.20 | 0.14 | 0.13 | 0.16 | 0.23 | 0.29 | 0.43 | 0.12 | 0.43 | 0.19 |
| Jul 2 | 0.70 | 0.31 | 0.28 | 0.24 | 0.25 | 0.34 | 0.24 | 0.32 | 0.30 | 0.30 | 0.25 | 0.20 | 0.16 | 0.17 | 0.16 | S | 0.24 | 0.22 | 0.24 | 0.33 | 0.41 | 0.33 | 0.31 | 0.35 | 0.16 | 0.70 | 0.29 |
| Jul 3 | 0.40 | 0.36 | 0.27 | 0.25 | 0.25 | 0.31 | 0.22 | 0.28 | 0.27 | 0.28 | 0.29 | 0.23 | 0.19 | 0.18 | S | 0.22 | 0.22 | 0.19 | 0.17 | 0.18 | 0.16 | 0.17 | 0.17 | 0.18 | 0.16 | 0.40 | 0.24 |
| Jul 4 | 0.16 | 0.14 | 0.14 | 0.15 | 0.17 | 0.22 | 0.19 | 0.17 | 0.16 | 0.15 | 0.15 | 0.14 | 0.13 | S | 0.19 | 0.16 | 0.17 | 0.18 | 0.18 | 0.15 | 0.18 | 0.19 | 0.18 | 0.33 | 0.13 | 0.33 | 0.17 |
| Jul 5 | 0.28 | 0.25 | 0.24 | 0.34 | 1.05 | 0.53 | 0.42 | 0.41 | 0.37 | 0.37 | 0.26 | 0.22 | S | 0.20 | 0.16 | 0.14 | 0.15 | 0.14 | 0.17 | 0.18 | 0.19 | 0.19 | 0.27 | 0.29 | 0.14 | 1.05 | 0.30 |
| Jul 6 | 0.40 | 0.60 | 0.39 | 0.26 | 0.41 | 0.31 | 0.34 | 0.37 | 0.24 | 0.21 | 0.19 | S | 0.26 | 0.24 | 0.22 | 0.20 | 0.17 | 0.17 | 0.17 | 0.19 | 0.20 | 0.21 | 0.30 | 0.25 | 0.17 | 0.60 | 0.27 |
| Jul 7 | 0.22 | 0.21 | 0.22 | 0.23 | 0.27 | 0.28 | 0.28 | 0.24 | 0.24 | 0.22 | S | 0.22 | 0.17 | 0.16 | 0.16 | 0.15 | 0.16 | 0.16 | 0.15 | 0.14 | 0.15 | 0.16 | 0.14 | 0.16 | 0.14 | 0.28 | 0.20 |
| Jul 8 | 0.18 | 0.18 | 0.19 | 0.21 | 0.26 | 0.37 | 0.34 | 0.28 | 0.23 | S | 0.22 | 0.18 | 0.16 | 0.17 | 0.16 | 0.15 | 0.15 | 0.19 | 0.23 | 0.20 | 0.28 | 0.18 | 0.19 | 0.22 | 0.15 | 0.37 | 0.21 |
| Jul 9 | 0.16 | 0.16 | 0.24 | 0.23 | 0.25 | 0.23 | 0.16 | 0.17 | S | 0.22 | 0.20 | 0.19 | 0.21 | 0.20 | 0.22 | 0.22 | X | X | X | X | X | X | X | X | 0.16 | 0.25 | NA |
| Jul 10 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | C | C | C | C | C | C | 0.24 | 0.28 | 0.33 | 0.21 | 0.21 | 0.33 | NA |
| Jul 11 | 0.20 | 0.12 | 0.09 | 0.08 | 0.09 | 0.11 | S | 0.23 | 0.23 | 0.16 | 0.26 | 0.31 | 0.48 | 0.43 | 0.36 | 0.48 | 0.66 | 0.56 | 0.50 | 0.06 | 0.19 | 0.35 | 0.23 | 0.28 | 0.06 | 0.66 | 0.28 |
| Jul 12 | 0.28 | 0.26 | 0.38 | 0.29 | 0.24 | S | 0.27 | 0.32 | 0.20 | 0.31 | 0.25 | 0.25 | 0.35 | 0.09 | 0.15 | 0.46 | 0.09 | 0.14 | 0.36 | 0.21 | 0.23 | 0.22 | 0.21 | 0.09 | 0.09 | 0.46 | 0.25 |
| Jul 13 | 0.13 | 0.02 | 0.10 | 0.21 | S | 0.16 | 0.13 | 0.10 | 0.15 | 0.11 | 0.14 | 0.10 | 0.06 | 0.18 | 0.27 | 0.32 | 0.10 | 0.35 | 0.29 | 0.21 | 0.05 | 0.11 | 0.14 | 0.16 | 0.02 | 0.35 | 0.16 |
| Jul 14 | 0.26 | 0.24 | 0.24 | S | 0.23 | 0.07 | 0.13 | 0.09 | 0.12 | 0.01 | 0.00 | 0.13 | 0.02 | 0.15 | 0.01 | 0.04 | 0.32 | 0.43 | 0.29 | 0.02 | 1.82 | 0.83 | 0.03 | 0.01 | 0.00 | 1.82 | 0.24 |
| Jul 15 | 0.05 | 0.02 | S | 0.01 | 0.03 | 0.02 | 0.55 | 0.20 | 0.08 | 0.19 | 0.21 | 0.19 | 0.18 | 0.04 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.11 | 0.31 | 0.42 | 0.18 | 0.24 | 0.00 | 0.55 | 0.13 |
| Jul 16 | 0.37 | S | 0.62 | 0.29 | 0.05 | 0.01 | 0.46 | 0.51 | NRM | NRM | NRM | NRM | NRM | NRM | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.11 | 0.03 | 0.00 | 0.62 | NA |
| Jul 17 | S | 0.12 | 0.08 | 0.15 | 0.15 | 0.19 | 0.13 | 0.30 | 0.09 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.01 | S | 0.00 | 0.30 | 0.06 |
| Jul 18 | 0.04 | 0.16 | 0.14 | 0.02 | 0.05 | 0.10 | 0.16 | 0.50 | 0.09 | 0.06 | 0.29 | 0.30 | 0.39 | 0.35 | 0.00 | 0.00 | 0.07 | 0.05 | 0.09 | 0.14 | 0.40 | 0.38 | S | 0.18 | 0.00 | 0.50 | 0.17 |
| Jul 19 | 0.23 | 0.43 | 0.46 | 0.32 | 0.19 | 0.16 | 0.35 | 0.73 | 0.19 | 0.09 | 0.04 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.08 | 0.11 | S | 0.01 | 0.00 | 0.00 | 0.73 | 0.15 |
| Jul 20 | 0.00 | 0.01 | 0.00 | 0.04 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.04 | 0.02 | 0.06 | 0.02 | 0.04 | 0.12 | 0.05 | 0.35 | 0.49 | 0.45 | 0.23 | S | 0.27 | 0.36 | 0.19 | 0.00 | 0.49 | 0.12 |
| Jul 21 | 0.20 | 0.20 | 0.23 | 0.30 | 0.33 | 0.16 | 0.19 | 0.23 | 0.20 | 0.06 | 0.07 | 0.11 | 0.07 | 0.11 | 0.05 | 0.00 | 0.01 | 0.01 | 0.02 | S | 0.06 | 0.09 | 0.07 | 0.31 | 0.00 | 0.33 | 0.13 |
| Jul 22 | 0.29 | 0.31 | 0.27 | 0.25 | 0.29 | 0.20 | 0.16 | 0.19 | 0.29 | 0.06 | 0.05 | 0.05 | 0.04 | 0.04 | 0.02 | 0.03 | 0.07 | 0.06 | S | 0.10 | 0.07 | 0.11 | 0.33 | 0.39 | 0.02 | 0.39 | 0.16 |
| Jul 23 | 0.24 | 0.19 | 0.33 | 0.72 | 0.34 | **2.30** | 0.28 | 0.19 | 0.09 | 0.09 | 0.06 | 0.05 | 0.04 | 0.03 | 0.07 | 0.05 | 0.07 | S | 0.08 | 0.05 | 0.10 | 0.10 | 0.18 | 0.19 | 0.03 | **2.30** | 0.25 |
| Jul 24 | 0.16 | 0.72 | 1.14 | 0.46 | 0.49 | 1.67 | 0.85 | 0.78 | 0.44 | 0.44 | 0.35 | 0.19 | 0.12 | 0.06 | 0.09 | 0.05 | S | 0.07 | 0.05 | 0.02 | 0.07 | 0.04 | 0.12 | 0.16 | 0.02 | 1.67 | **0.37** |
| Jul 25 | 0.20 | 0.14 | 0.19 | 0.16 | 0.16 | 0.19 | 0.21 | 0.19 | 0.14 | 0.12 | 0.11 | 0.14 | 0.21 | 0.15 | 0.15 | S | 0.18 | 0.23 | 0.15 | 0.15 | 0.27 | 0.21 | 0.22 | 0.25 | 0.11 | 0.27 | 0.18 |
| Jul 26 | 0.36 | 0.23 | 0.26 | 0.10 | 0.11 | 0.13 | 0.11 | 0.07 | 0.04 | 0.01 | 0.01 | 0.02 | 0.00 | 0.01 | S | 0.04 | 0.03 | 0.02 | 0.01 | 0.04 | 0.08 | 0.01 | 0.08 | 0.13 | 0.00 | 0.36 | 0.08 |
| Jul 27 | 0.09 | 0.07 | 0.12 | 0.14 | 0.04 | 0.09 | 0.04 | 0.05 | 0.08 | 0.05 | 0.02 | 0.05 | 0.02 | S | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.40 | 0.33 | 0.42 | 0.04 | 0.09 | 0.02 | 0.42 | 0.10 |
| Jul 28 | 0.09 | 0.03 | 0.05 | 0.06 | 0.07 | 0.05 | 0.13 | 0.11 | 0.16 | 0.07 | 0.04 | 0.01 | S | 0.02 | 0.03 | 0.05 | 0.00 | 0.02 | 0.02 | 0.01 | 0.07 | 0.26 | 0.23 | 0.25 | 0.00 | 0.26 | 0.08 |
| Jul 29 | 0.14 | 0.10 | 0.27 | 0.17 | 0.20 | 0.22 | 0.30 | 0.29 | 0.24 | 0.26 | 0.10 | S | 0.10 | 0.07 | 0.11 | 0.08 | 0.06 | 0.06 | 0.10 | 0.09 | 0.14 | 0.14 | 0.22 | 0.13 | 0.06 | 0.30 | 0.16 |
| Jul 30 | 0.07 | 0.08 | 0.16 | 0.14 | 0.10 | 0.19 | 0.37 | 0.09 | 0.06 | 0.02 | S | 0.02 | 0.01 | 0.03 | 0.01 | 0.02 | 0.01 | 0.03 | 0.02 | 0.01 | 0.04 | 0.22 | 0.29 | 0.40 | 0.01 | 0.40 | 0.10 |
| Jul 31 | 0.32 | 0.20 | 0.26 | 0.28 | 0.31 | 0.47 | 0.36 | 1.04 | 0.53 | S | 0.30 | 0.19 | 0.14 | 0.11 | 0.09 | 0.17 | 0.22 | 0.18 | 0.17 | 0.32 | 0.31 | 0.18 | 0.21 | 0.32 | 0.09 | 1.04 | 0.29 |
| Diurnal Maximum | 0.70 | 0.72 | 1.14 | 0.72 | 1.05 | 2.30 | 0.85 | 1.04 | 0.53 | 0.44 | 0.35 | 0.31 | 0.48 | 0.43 | 0.36 | 0.48 | 0.66 | 0.56 | 0.50 | 0.40 | 1.82 | 0.83 | 0.36 | 0.43 | | | |
| Diurnal Average | 0.22 | 0.21 | 0.26 | 0.22 | 0.23 | 0.32 | 0.26 | 0.29 | 0.20 | 0.15 | 0.15 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 | 0.13 | 0.15 | 0.15 | 0.13 | 0.23 | 0.22 | 0.19 | 0.21 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 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

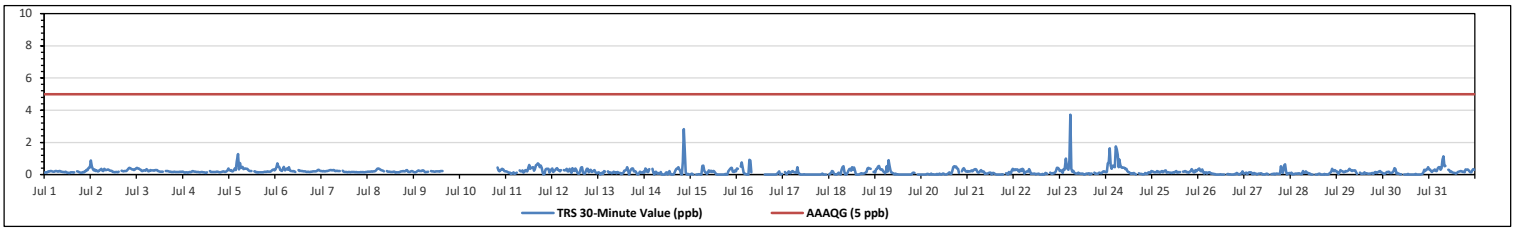
| | | | | | |
|---|---|---|---|---|---|
| Maximum 30-Minute Value: | 3.72 ppb | on Jul 23 at 05:30 | # of Instrument in Service | 1488 |
| Maximum Daily Value: | 0.37 ppb | on Jul 24 | # of Valid Measurements | 1357 |
| Minimum 30-Minute Value: | 0.00 ppb | Jul 13 at 01:00 | # of Missing Measurements: | 58 |
| Minimum Daily Value: | 0.06 ppb | on Jul 17 | # of Calibration: | 73 |
| Monthly Average: | 0.19 ppb | | Operational Uptime: | 96.1 |

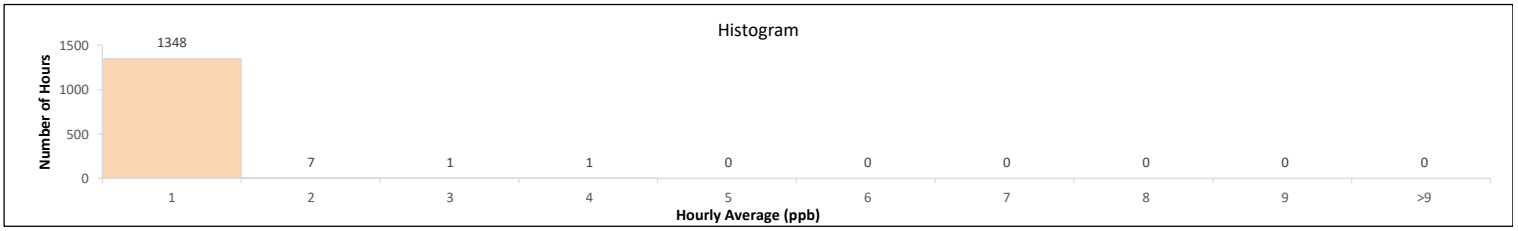
| 30-Minute Period Starting at (MST) | Jul 1 | Jul 2 | Jul 3 | Jul 4 | Jul 5 | Jul 6 | Jul 7 | Jul 8 | Jul 9 | Jul 10 | Jul 11 | Jul 12 | Jul 13 | Jul 14 | Jul 15 | Jul 16 | Jul 17 | Jul 18 | Jul 19 | Jul 20 | Jul 21 | Jul 22 | Jul 23 | Jul 24 | Jul 25 | Jul 26 | Jul 27 | Jul 28 | Jul 29 | Jul 30 | Jul 31 | Diurnal Maximum | Diurnal Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 | 0.13 | 0.88 | 0.41 | 0.18 | 0.30 | 0.33 | 0.23 | 0.18 | 0.17 | X | 0.21 | 0.39 | 0.14 | 0.13 | 0.03 | 0.39 | S | 0.02 | 0.12 | 0.00 | 0.22 | 0.27 | 0.24 | 0.15 | 0.20 | 0.34 | 0.08 | 0.06 | 0.20 | 0.09 | 0.33 | 0.88 | 0.22 |
| 00:30 | 0.14 | 0.52 | 0.39 | 0.14 | 0.26 | 0.47 | 0.21 | 0.18 | 0.15 | X | 0.19 | 0.17 | 0.12 | 0.39 | 0.06 | 0.35 | S | 0.06 | 0.34 | 0.00 | 0.18 | 0.32 | 0.23 | 0.17 | 0.19 | 0.39 | 0.10 | 0.12 | 0.09 | 0.04 | 0.32 | 0.52 | 0.22 |
| 01:00 | 0.13 | 0.36 | 0.39 | 0.13 | 0.29 | 0.70 | 0.23 | 0.19 | 0.14 | X | 0.14 | 0.22 | 0.00 | 0.32 | 0.01 | S | 0.16 | 0.09 | 0.35 | 0.00 | 0.21 | 0.28 | 0.27 | 0.69 | 0.14 | 0.25 | 0.12 | 0.02 | 0.05 | 0.06 | 0.24 | 0.70 | 0.21 |
| 01:30 | 0.16 | 0.26 | 0.33 | 0.15 | 0.21 | 0.51 | 0.20 | 0.18 | 0.18 | X | 0.10 | 0.30 | 0.04 | 0.16 | 0.02 | S | 0.07 | 0.22 | 0.51 | 0.02 | 0.20 | 0.33 | 0.11 | 0.75 | 0.14 | 0.21 | 0.03 | 0.04 | 0.15 | 0.10 | 0.16 | 0.75 | 0.20 |
| 02:00 | 0.20 | 0.32 | 0.31 | 0.14 | 0.21 | 0.47 | 0.21 | 0.20 | 0.22 | X | 0.13 | 0.36 | 0.13 | 0.16 | S | 0.51 | 0.03 | 0.21 | 0.55 | 0.00 | 0.26 | 0.32 | 0.34 | 1.64 | 0.15 | 0.32 | 0.10 | 0.03 | 0.30 | 0.16 | 0.25 | 1.64 | 0.28 |
| 02:30 | 0.18 | 0.23 | 0.23 | 0.13 | 0.28 | 0.30 | 0.22 | 0.19 | 0.26 | X | 0.05 | 0.40 | 0.05 | 0.34 | S | 0.76 | 0.13 | 0.07 | 0.36 | 0.01 | 0.21 | 0.20 | 0.31 | 0.56 | 0.23 | 0.19 | 0.15 | 0.07 | 0.24 | 0.16 | 0.27 | 0.76 | 0.23 |
| 03:00 | 0.22 | 0.27 | 0.22 | 0.14 | 0.39 | 0.28 | 0.22 | 0.21 | 0.23 | X | 0.07 | 0.30 | 0.22 | S | 0.02 | 0.45 | 0.20 | 0.00 | 0.31 | 0.04 | 0.27 | 0.18 | 1.00 | 0.35 | 0.14 | 0.07 | 0.14 | 0.08 | 0.20 | 0.19 | 0.32 | 1.00 | 0.23 |
| 03:30 | 0.24 | 0.21 | 0.27 | 0.16 | 0.30 | 0.23 | 0.25 | 0.21 | 0.24 | X | 0.09 | 0.28 | 0.19 | S | 0.00 | 0.13 | 0.10 | 0.03 | 0.33 | 0.05 | 0.33 | 0.32 | 0.44 | 0.57 | 0.18 | 0.13 | 0.15 | 0.04 | 0.14 | 0.10 | 0.24 | 0.57 | 0.21 |
| 04:00 | 0.20 | 0.21 | 0.26 | 0.15 | 0.82 | 0.34 | 0.26 | 0.23 | 0.23 | X | 0.14 | 0.20 | S | 0.35 | 0.03 | 0.04 | 0.11 | 0.02 | 0.20 | 0.02 | 0.34 | 0.22 | 0.37 | 0.52 | 0.13 | 0.14 | 0.04 | 0.09 | 0.16 | 0.10 | 0.24 | 0.82 | 0.21 |
| 04:30 | 0.18 | 0.28 | 0.25 | 0.19 | 1.28 | 0.49 | 0.28 | 0.28 | 0.26 | X | 0.04 | 0.28 | S | 0.12 | 0.03 | 0.05 | 0.18 | 0.08 | 0.17 | 0.02 | 0.32 | 0.36 | 0.31 | 0.46 | 0.18 | 0.08 | 0.03 | 0.05 | 0.24 | 0.11 | 0.38 | 1.28 | 0.24 |
| 05:00 | 0.18 | 0.30 | 0.34 | 0.23 | 0.33 | 0.27 | 0.30 | 0.35 | 0.26 | X | 0.09 | S | 0.21 | 0.02 | 0.01 | 0.00 | 0.22 | 0.13 | 0.09 | 0.06 | 0.19 | 0.32 | 0.89 | 1.76 | 0.24 | 0.12 | 0.10 | 0.07 | 0.20 | 0.15 | 0.46 | 1.76 | 0.27 |
| 05:30 | 0.24 | 0.37 | 0.28 | 0.21 | 0.72 | 0.34 | 0.27 | 0.38 | 0.20 | X | 0.13 | S | 0.10 | 0.13 | 0.02 | 0.01 | 0.16 | 0.07 | 0.23 | 0.01 | 0.13 | 0.08 | 3.72 | 1.58 | 0.15 | 0.14 | 0.07 | 0.03 | 0.23 | 0.24 | 0.47 | 3.72 | 0.37 |
| 06:00 | 0.22 | 0.25 | 0.21 | 0.19 | 0.41 | 0.38 | 0.29 | 0.35 | 0.15 | X | S | 0.28 | 0.14 | 0.18 | 0.54 | 0.00 | 0.14 | 0.02 | 0.52 | 0.03 | 0.14 | 0.13 | 0.37 | 1.24 | 0.18 | 0.14 | 0.07 | 0.04 | 0.26 | 0.40 | 0.31 | 1.24 | 0.26 |
| 06:30 | 0.20 | 0.22 | 0.23 | 0.19 | 0.42 | 0.31 | 0.28 | 0.32 | 0.17 | X | S | 0.26 | 0.12 | 0.08 | 0.57 | 0.92 | 0.13 | 0.31 | 0.19 | 0.00 | 0.23 | 0.18 | 0.19 | 0.47 | 0.25 | 0.08 | 0.02 | 0.22 | 0.35 | 0.34 | 0.40 | 0.92 | 0.26 |
| 07:00 | 0.19 | 0.35 | 0.29 | 0.16 | 0.49 | 0.47 | 0.24 | 0.29 | 0.17 | X | 0.26 | 0.28 | 0.09 | 0.10 | 0.25 | 0.88 | 0.12 | 0.47 | 0.90 | 0.02 | 0.29 | 0.20 | 0.25 | 0.95 | 0.26 | 0.08 | 0.04 | 0.10 | 0.30 | 0.08 | 0.94 | 0.95 | 0.32 |
| 07:30 | 0.22 | 0.29 | 0.26 | 0.17 | 0.34 | 0.27 | 0.24 | 0.27 | 0.18 | X | 0.21 | 0.36 | 0.12 | 0.08 | 0.15 | 0.14 | 0.47 | 0.53 | 0.55 | 0.02 | 0.18 | 0.18 | 0.12 | 0.60 | 0.13 | 0.06 | 0.06 | 0.12 | 0.28 | 0.11 | 1.14 | 1.14 | 0.26 |
| 08:00 | 0.22 | 0.29 | 0.26 | 0.16 | 0.36 | 0.24 | 0.25 | 0.25 | S | X | 0.20 | 0.20 | 0.18 | 0.07 | 0.12 | NRM | 0.12 | 0.16 | 0.25 | 0.04 | 0.20 | 0.34 | 0.09 | 0.46 | 0.15 | 0.03 | 0.07 | 0.20 | 0.24 | 0.06 | 0.52 | 0.52 | 0.20 |
| 08:30 | 0.18 | 0.31 | 0.27 | 0.15 | 0.38 | 0.24 | 0.23 | 0.21 | S | X | 0.26 | 0.20 | 0.12 | 0.16 | 0.05 | NRM | 0.06 | 0.02 | 0.12 | 0.02 | 0.19 | 0.24 | 0.08 | 0.42 | 0.14 | 0.05 | 0.09 | 0.13 | 0.25 | 0.05 | 0.54 | 0.54 | 0.18 |
| 09:00 | 0.19 | 0.32 | 0.25 | 0.14 | 0.37 | 0.21 | 0.22 | S | 0.23 | X | 0.13 | 0.37 | 0.14 | 0.01 | 0.11 | NRM | 0.02 | 0.01 | 0.10 | 0.01 | 0.05 | 0.05 | 0.06 | 0.44 | 0.13 | 0.01 | 0.08 | 0.10 | 0.26 | 0.01 | S | 0.44 | 0.15 |
| 09:30 | 0.17 | 0.29 | 0.30 | 0.16 | 0.37 | 0.22 | 0.22 | S | 0.20 | X | 0.19 | 0.24 | 0.09 | 0.00 | 0.27 | NRM | 0.02 | 0.12 | 0.07 | 0.06 | 0.07 | 0.07 | 0.12 | 0.43 | 0.12 | 0.02 | 0.02 | 0.05 | 0.27 | 0.03 | S | 0.43 | 0.16 |
| 10:00 | 0.16 | 0.25 | 0.29 | 0.16 | 0.29 | 0.21 | S | 0.24 | 0.21 | X | 0.28 | 0.10 | 0.16 | 0.00 | 0.18 | NRM | 0.01 | 0.24 | 0.02 | 0.02 | 0.08 | 0.05 | 0.06 | 0.34 | 0.10 | 0.02 | 0.03 | 0.08 | 0.15 | S | 0.31 | 0.34 | 0.15 |
| 10:30 | 0.14 | 0.25 | 0.30 | 0.15 | 0.23 | 0.17 | S | 0.19 | 0.18 | X | 0.24 | 0.40 | 0.13 | 0.00 | 0.25 | NRM | 0.02 | 0.34 | 0.06 | 0.01 | 0.06 | 0.06 | 0.06 | 0.37 | 0.13 | 0.00 | 0.02 | 0.01 | 0.05 | S | 0.29 | 0.40 | 0.15 |
| 11:00 | 0.18 | 0.24 | 0.24 | 0.15 | 0.22 | S | 0.25 | 0.18 | 0.18 | X | 0.20 | 0.27 | 0.10 | 0.12 | 0.16 | NRM | 0.03 | 0.35 | 0.02 | 0.06 | 0.11 | 0.08 | 0.04 | 0.22 | 0.15 | 0.01 | 0.03 | 0.02 | S | 0.02 | 0.16 | 0.35 | 0.14 |
| 11:30 | 0.13 | 0.17 | 0.21 | 0.13 | 0.22 | S | 0.19 | 0.18 | 0.20 | X | 0.43 | 0.22 | 0.10 | 0.14 | 0.22 | NRM | 0.00 | 0.25 | 0.03 | 0.06 | 0.12 | 0.01 | 0.06 | 0.16 | 0.12 | 0.03 | 0.07 | 0.01 | S | 0.02 | 0.21 | 0.43 | 0.14 |
| 12:00 | 0.13 | 0.17 | 0.19 | 0.11 | S | 0.28 | 0.17 | 0.17 | 0.20 | X | 0.60 | 0.39 | 0.03 | 0.00 | 0.22 | NRM | 0.01 | 0.46 | 0.01 | 0.02 | 0.13 | 0.04 | 0.06 | 0.15 | 0.18 | 0.00 | 0.04 | S | 0.12 | 0.00 | 0.15 | 0.60 | 0.15 |
| 12:30 | 0.11 | 0.15 | 0.18 | 0.14 | S | 0.24 | 0.16 | 0.16 | 0.21 | X | 0.35 | 0.31 | 0.08 | 0.04 | 0.14 | NRM | 0.00 | 0.31 | 0.02 | 0.02 | 0.01 | 0.04 | 0.02 | 0.09 | 0.24 | 0.01 | 0.00 | S | 0.08 | 0.02 | 0.12 | 0.35 | 0.12 |
| 13:00 | 0.11 | 0.16 | 0.18 | S | 0.21 | 0.25 | 0.16 | 0.17 | 0.21 | X | 0.41 | 0.13 | 0.11 | 0.22 | 0.08 | NRM | 0.00 | 0.45 | 0.02 | 0.02 | 0.11 | 0.06 | 0.02 | 0.04 | 0.12 | 0.00 | S | 0.02 | 0.05 | 0.05 | 0.11 | 0.45 | 0.13 |
| 13:30 | 0.14 | 0.17 | 0.18 | S | 0.20 | 0.23 | 0.15 | 0.18 | 0.19 | X | 0.45 | 0.06 | 0.25 | 0.08 | 0.00 | NRM | 0.00 | 0.25 | 0.00 | 0.05 | 0.11 | 0.02 | 0.04 | 0.09 | 0.17 | 0.02 | S | 0.01 | 0.08 | 0.00 | 0.11 | 0.45 | 0.12 |
| 14:00 | 0.14 | 0.15 | S | 0.22 | 0.15 | 0.22 | 0.16 | 0.19 | 0.22 | C | 0.47 | 0.08 | 0.27 | 0.00 | 0.00 | NRM | 0.00 | 0.00 | 0.00 | 0.09 | 0.08 | 0.02 | 0.08 | 0.07 | 0.14 | S | 0.03 | 0.01 | 0.08 | 0.00 | 0.08 | 0.47 | 0.11 |
| 14:30 | 0.15 | 0.18 | S | 0.17 | 0.17 | 0.21 | 0.16 | 0.13 | 0.23 | C | 0.25 | 0.22 | 0.28 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.03 | 0.02 | 0.06 | 0.10 | 0.16 | S | 0.04 | 0.05 | 0.14 | 0.02 | 0.10 | 0.28 | 0.11 |
| 15:00 | 0.12 | S | 0.22 | 0.16 | 0.13 | 0.20 | 0.14 | 0.14 | 0.23 | C | 0.37 | 0.45 | 0.46 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.04 | 0.09 | 0.08 | S | 0.03 | 0.03 | 0.08 | 0.06 | 0.02 | 0.16 | 0.46 | 0.12 |
| 15:30 | 0.14 | S | 0.22 | 0.16 | 0.14 | 0.20 | 0.16 | 0.15 | X | C | 0.59 | 0.47 | 0.18 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.05 | 0.00 | 0.01 | 0.01 | 0.02 | S | 0.04 | 0.06 | 0.02 | 0.09 | 0.02 | 0.18 | 0.59 | 0.11 |
| 16:00 | S | 0.25 | 0.23 | 0.17 | 0.15 | 0.18 | 0.16 | 0.15 | X | C | 0.62 | 0.13 | 0.00 | 0.27 | 0.02 | 0.00 | 0.00 | 0.04 | 0.02 | 0.24 | 0.00 | 0.02 | 0.07 | S | 0.18 | 0.02 | 0.02 | 0.00 | 0.07 | 0.01 | 0.21 | 0.62 | 0.12 |
| 16:30 | S | 0.23 | 0.21 | 0.17 | 0.15 | 0.16 | 0.16 | 0.15 | X | C | 0.71 | 0.06 | 0.20 | 0.37 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.46 | 0.02 | 0.11 | 0.07 | S | 0.18 | 0.03 | 0.06 | 0.00 | 0.05 | 0.01 | 0.22 | 0.71 | 0.14 |
| 17:00 | 0.20 | 0.21 | 0.19 | 0.17 | 0.14 | 0.18 | 0.17 | 0.18 | X | C | 0.65 | 0.06 | 0.32 | 0.38 | 0.01 | 0.00 | 0.00 | 0.05 | 0.00 | 0.52 | 0.01 | 0.09 | S | 0.09 | 0.24 | 0.02 | 0.06 | 0.00 | 0.06 | 0.04 | 0.20 | 0.65 | 0.15 |
| 17:30 | 0.19 | 0.22 | 0.19 | 0.18 | 0.14 | 0.17 | 0.15 | 0.20 | X | C | 0.47 | 0.22 | 0.39 | 0.47 | 0.02 | 0.00 | 0.00 | 0.06 | 0.02 | 0.46 | 0.00 | 0.04 | S | 0.04 | 0.21 | 0.01 | 0.04 | 0.04 | 0.07 | 0.02 | 0.17 | 0.47 | 0.15 |
| 18:00 | 0.15 | 0.24 | 0.17 | 0.19 | 0.17 | 0.17 | 0.16 | 0.21 | X | C | 0.57 | 0.35 | 0.38 | 0.33 | 0.05 | 0.00 | 0.00 | 0.08 | 0.00 | 0.51 | 0.03 | S | 0.12 | 0.05 | 0.14 | 0.02 | 0.05 | 0.00 | 0.09 | 0.01 | 0.19 | 0.57 | 0.16 |
| 18:30 | 0.13 | 0.24 | 0.16 | 0.17 | 0.18 | 0.18 | 0.14 | 0.24 | X | C | 0.43 | 0.36 | 0.20 | 0.25 | 0.01 | 0.00 | 0.00 | 0.09 | 0.01 | 0.39 | 0.01 | S | 0.04 | 0.05 | 0.17 | 0.01 | 0.04 | 0.03 | 0.11 | 0.02 | 0.15 | 0.43 | 0.14 |
| 19:00 | 0.13 | 0.30 | 0.17 | 0.15 | 0.17 | 0.18 | 0.14 | 0.21 | X | C | 0.12 | 0.14 | 0.24 | 0.04 | 0.02 | 0.00 | 0.00 | 0.12 | 0.05 | 0.37 | S | 0.12 | 0.06 | 0.01 | 0.12 | 0.04 | 0.52 | 0.00 | 0.05 | 0.01 | 0.33 | 0.52 | 0.14 |
| 19:30 | 0.13 | 0.36 | 0.18 | 0.15 | 0.19 | 0.20 | 0.14 | 0.20 | X | 0.45 | 0.01 | 0.27 | 0.18 | 0.00 | 0.20 | 0.00 | 0.00 | 0.17 | 0.11 | 0.10 | S | 0.07 | 0.05 | 0.03 | 0.19 | 0.03 | 0.28 | 0.02 | 0.13 | 0.01 | 0.31 | 0.45 | 0.14 |
| 20:00 | 0.16 | 0.41 | 0.16 | 0.16 | 0.20 | 0.20 | 0.14 | 0.26 | X | 0.26 | 0.06 | 0.31 | 0.08 | 0.81 | 0.28 | 0.00 | 0.03 | 0.38 | 0.12 | S | 0.09 | 0.05 | 0.08 | 0.03 | 0.20 | 0.10 | 0.10 | 0.04 | 0.16 | 0.03 | 0.32 | 0.81 | 0.18 |
| 20:30 | 0.15 | 0.40 | 0.16 | 0.19 | 0.18 | 0.20 | 0.16 | 0.30 | X | 0.21 | 0.32 | 0.16 | 0.01 | 2.83 | 0.35 | 0.00 | 0.06 | 0.42 | 0.10 | S | 0.04 | 0.10 | 0.12 | 0.11 | 0.34 | 0.07 | 0.56 | 0.10 | 0.11 | 0.04 | 0.30 | 2.83 | 0.28 |
| 21:00 | 0.22 | 0.35 | 0.17 | 0.20 | 0.19 | 0.20 | 0.15 | 0.19 | X | 0.28 | 0.35 | 0.18 | 0.05 | 1.52 | 0.42 | 0.06 | 0.00 | 0.39 | S | 0.20 | 0.01 | 0.09 | 0.11 | 0.04 | 0.27 | 0.02 | 0.64 | 0.17 | 0.12 | 0.13 | 0.21 | 1.52 | 0.24 |
| 21:30 | 0.24 | 0.32 | 0.17 | 0.18 | 0.19 | 0.23 | 0.16 | 0.16 | X | 0.28 | 0.36 | 0.25 | 0.18 | 0.13 | 0.42 | 0.12 | 0.00 | 0.37 | S | 0.34 | 0.17 | 0.12 | 0.09 | 0.04 | 0.14 | 0.01 | 0.20 | 0.35 | 0.16 | 0.31 | 0.14 | 0.42 | 0.20 |
| 22:00 | 0.31 | 0.33 | 0.17 | 0.17 | 0.23 | 0.29 | 0.15 | 0.16 | X | 0.35 | 0.35 | 0.29 | 0.14 | 0.02 | 0.19 | 0.20 | 0.00 | S | 0.00 | 0.40 | 0.09 | 0.24 | 0.15 | 0.14 | 0.15 | 0.06 | 0.02 | 0.26 | 0.21 | 0.24 | 0.15 | 0.40 | 0.19 |
| 22:30 | 0.28 | 0.29 | 0.18 | 0.20 | 0.30 | 0.31 | 0.14 | 0.21 | X | 0.32 | 0.12 | 0.14 | 0.13 | 0.04 | 0.17 | 0.01 | 0.01 | S | 0.02 | 0.31 | 0.06 | 0.41 | 0.21 | 0.11 | 0.30 | 0.09 | 0.05 | 0.20 | 0.24 | 0.33 | 0.26 | 0.41 | 0.19 |
| 23:00 | 0.41 | 0.33 | 0.17 | 0.26 | 0.33 | 0.26 | 0.16 | 0.22 | X | 0.22 | 0.23 | 0.10 | 0.13 | 0.01 | 0.27 | 0.03 | S | 0.17 | 0.00 | 0.20 | 0.26 | 0.43 | 0.21 | 0.10 | 0.20 | 0.20 | 0.09 | 0.30 | 0.14 | 0.33 | 0.34 | 0.43 | 0.21 |
| 23:30 | 0.44 | 0.38 | 0.19 | 0.39 | 0.26 | 0.24 | 0.16 | 0.21 | X | 0.21 | 0.33 | 0.09 | 0.18 | 0.02 | 0.21 | 0.04 | S | 0.18 | 0.00 | 0.18 | 0.36 | 0.36 | 0.16 | 0.22 | 0.30 | 0.06 | 0.10 | 0.21 | 0.12 | 0.47 | 0.31 | 0.47 | 0.22 |
| Minimum | 0.11 | 0.15 | 0.16 | 0.11 | 0.13 | 0.16 | 0.14 | 0.13 | 0.14 | 0.21 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.10 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.08 | | |
| Maximum | 0.44 | 0.88 | 0.41 | 0.39 | 1.28 | 0.70 | 0.30 | 0.38 | 0.26 | 0.45 | 0.71 | 0.47 | 0.46 | 2.83 | 0.57 | 0.92 | 0.47 | 0.53 | 0.90 | 0.52 | 0.36 | 0.43 | 3.72 | 1.76 | 0.34 | 0.39 | 0.64 | 0.35 | 0.35 | 0.47 | 1.14 | | |
| Average | 0.19 | 0.29 | 0.24 | 0.17 | 0.30 | 0.27 | 0.20 | 0.21 | 0.20 | 0.29 | 0.28 | 0.25 | 0.16 | 0.24 | 0.13 | 0.15 | 0.06 | 0.17 | 0.15 | 0.12 | 0.13 | 0.16 | 0.25 | 0.37 | 0.18 | 0.08 | 0.10 | 0.08 | 0.16 | 0.10 | 0.29 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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.



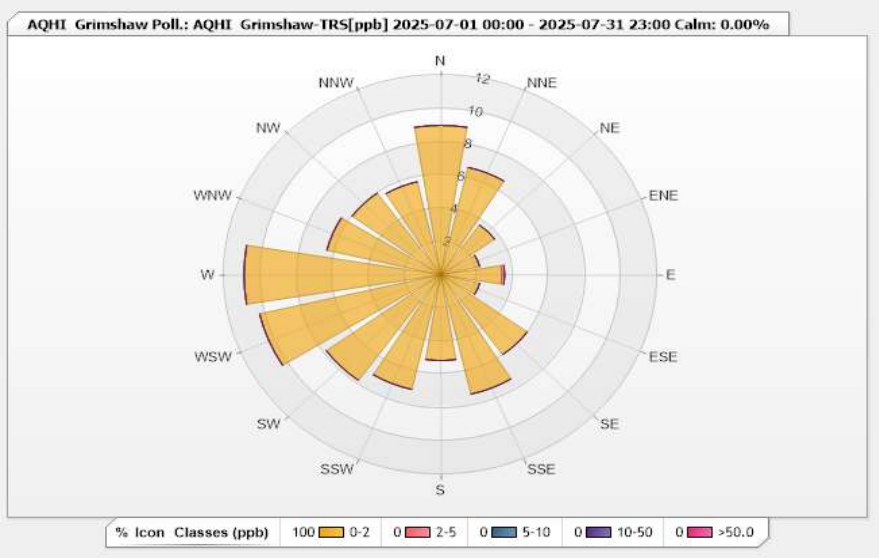



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-TRS[ppb] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 91.26% Calm Avg: 0.00 [ppb]

| Direction | 0-2 | 2-5 | 5-10 | 10-50 | >50.0 | Total |
|---|---|---|---|---|---|---|
| N | 8.98 | 0 | 0 | 0 | 0 | 8.98 |
| NNE | 6.63 | 0 | 0 | 0 | 0 | 6.63 |
| NE | 3.68 | 0 | 0 | 0 | 0 | 3.68 |
| ENE | 2.21 | 0 | 0 | 0 | 0 | 2.21 |
| E | 3.39 | 0.15 | 0 | 0 | 0 | 3.54 |
| ESE | 2.21 | 0 | 0 | 0 | 0 | 2.21 |
| SE | 5.89 | 0 | 0 | 0 | 0 | 5.89 |
| SSE | 7.36 | 0 | 0 | 0 | 0 | 7.36 |
| S | 5.15 | 0 | 0 | 0 | 0 | 5.15 |
| SSW | 7.07 | 0 | 0 | 0 | 0 | 7.07 |
| SW | 7.81 | 0 | 0 | 0 | 0 | 7.81 |
| WSW | 10.31 | 0 | 0 | 0 | 0 | 10.31 |
| W | 10.9 | 0 | 0 | 0 | 0 | 10.9 |
| WNW | 6.48 | 0 | 0 | 0 | 0 | 6.48 |
| NW | 6.04 | 0 | 0 | 0 | 0 | 6.04 |
| NNW | 5.74 | 0 | 0 | 0 | 0 | 5.74 |
| Summary | 100 | 0.15 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***AQHI - Grimshaw Station - July 2025***

**Summary of Hourly Averages**

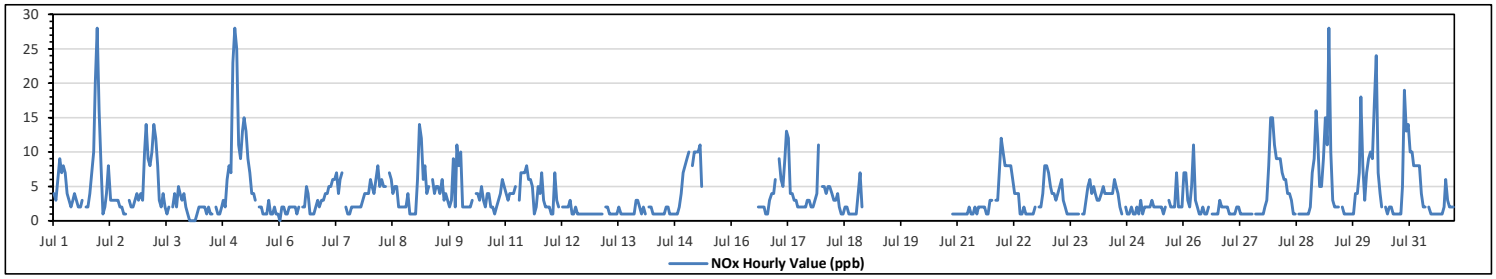
**OXIDES OF NITROGEN (NOx) in ppb**

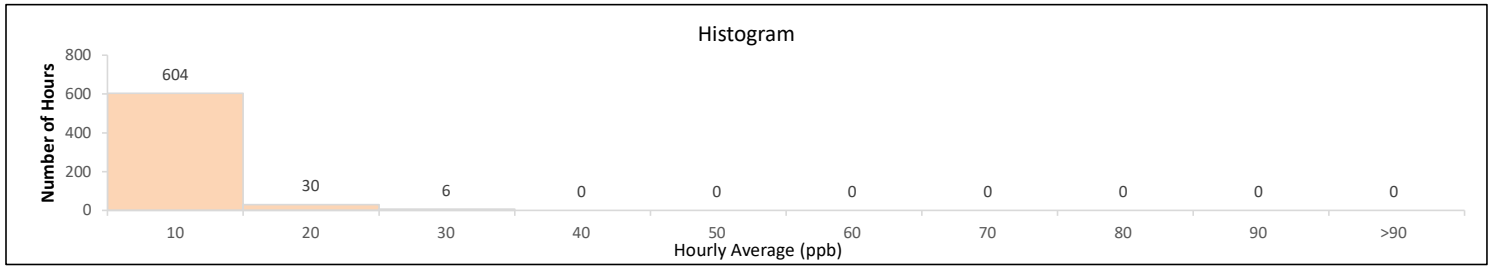
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 28 | ppb | on Jul 1 at hr 23 | Hours in Service: | 744 | |
| Maximum Daily Value: | 6.8 | ppb | on Jul 5 | Hours of Data: | 640 | |
| Minimum Hourly Value: | 0 | ppb | on Jul 4 at hr 0 | Hours of Missing Data: | 64 | |
| Minimum Daily Value: | 1.3 | ppb | on Jul 13 | Hours of Calibration: | 40 | |
| Monthly Average: | 3.9 | ppb | | Operational Uptime: | 91.4 | |

| 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 | | | |
| Jul 1 | 4 | 3 | 6 | 9 | 7 | 8 | 7 | 4 | 3 | 2 | 3 | 4 | 3 | 2 | 2 | 3 | S | 2 | 2 | 4 | 7 | 10 | 20 | 28 | 2 | 28 | 6.2 |
| Jul 2 | 16 | 8 | 1 | 2 | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | S | 3 | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 1 | 16 | 3.7 |
| Jul 3 | 10 | 14 | 9 | 8 | 10 | 14 | 12 | 8 | 3 | 2 | 4 | 2 | 1 | 2 | S | 2 | 4 | 2 | 5 | 4 | 3 | 4 | 2 | 1 | 1 | 14 | 5.5 |
| Jul 4 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | S | 2 | 1 | 1 | 2 | 3 | 2 | 6 | 8 | 7 | 23 | 0 | 23 | 3.0 |
| Jul 5 | 28 | 25 | 11 | 9 | 13 | 15 | 13 | 9 | 7 | 4 | 4 | 3 | S | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 28 | 6.8 |
| Jul 6 | 0 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | S | 2 | 2 | 5 | 4 | 1 | 1 | 1 | 2 | 3 | 2 | 3 | 3 | 0 | 5 | 2.0 |
| Jul 7 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 4 | 6 | 7 | S | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 1 | 7 | 3.7 |
| Jul 8 | 6 | 5 | 4 | 6 | 8 | 5 | 6 | 5 | 5 | S | 7 | 6 | 4 | 5 | 5 | 2 | 2 | 2 | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 8 | 4.1 |
| Jul 9 | 1 | 6 | 14 | 12 | 6 | 8 | 4 | 5 | S | 6 | 4 | 5 | 5 | 4 | 6 | 3 | 4 | 3 | 2 | 3 | 9 | 2 | 11 | 8 | 1 | 14 | 5.7 |
| Jul 10 | 10 | 2 | 2 | 2 | 2 | 2 | 3 | S | 4 | 4 | 3 | 5 | 3 | 2 | 4 | 4 | 2 | 2 | 1 | 2 | 3 | 4 | 6 | 5 | 1 | 10 | 3.3 |
| Jul 11 | 4 | 3 | 4 | 4 | 4 | 5 | S | 3 | 7 | 7 | 7 | 8 | 6 | 6 | 5 | 1 | 2 | 5 | 4 | 7 | 3 | 2 | 2 | 2 | 1 | 8 | 4.4 |
| Jul 12 | 1 | 1 | 7 | 3 | 2 | S | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | 1.7 |
| Jul 13 | 1 | 1 | 1 | 1 | S | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 2 | 1 | 3 | 1.3 |
| Jul 14 | 1 | 2 | 1 | S | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 7 | 8 | 1 | 8 | 2.0 |
| Jul 15 | 9 | 10 | S | 8 | 10 | 10 | 10 | 11 | 5 | C | C | C | C | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | 5 | 11 | NA |
| Jul 16 | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | C | C | C | C | C | C | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 4 | 4 | 6 | 1 | 6 | NA |
| Jul 17 | S | 9 | 6 | 5 | 9 | 13 | 12 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 4 | 11 | S | 2 | 13 | 4.8 |
| Jul 18 | 5 | 5 | 4 | 5 | 5 | 4 | 3 | 3 | 4 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 4 | 7 | 2 | S | X | 1 | 7 | 2.9 |
| Jul 19 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - |
| Jul 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | S | 1 | 1 | 1 | 1 | 1 | NA |
| Jul 21 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 3 | S | 3 | 3 | 7 | 12 | 1 | 12 | 2.3 |
| Jul 22 | 10 | 8 | 8 | 8 | 8 | 6 | 4 | 4 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | S | 2 | 2 | 4 | 8 | 8 | 1 | 10 | 4.1 |
| Jul 23 | 7 | 5 | 4 | 4 | 3 | 4 | 5 | 6 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | S | 1 | 1 | 3 | 5 | 6 | 4 | 1 | 7 | 3.0 |
| Jul 24 | 5 | 4 | 3 | 3 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 6 | 5 | 4 | 2 | 1 | S | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 6 | 3.1 |
| Jul 25 | 1 | 3 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | S | 3 | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 1 | 7 | 2.2 |
| Jul 26 | 7 | 7 | 3 | 2 | 5 | 11 | 3 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | S | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 1 | 11 | 2.7 |
| Jul 27 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 8 | 15 | 15 | 1 | 15 | 2.7 |
| Jul 28 | 11 | 9 | 9 | 9 | 7 | 6 | 6 | 4 | 4 | 3 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 7 | 9 | 16 | 12 | 1 | 16 | 5.3 |
| Jul 29 | 5 | 5 | 9 | 15 | 11 | 28 | 10 | 3 | 2 | 2 | 2 | S | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 7 | 18 | 8 | 1 | 28 | 6.1 |
| Jul 30 | 3 | 7 | 9 | 10 | 9 | 17 | 24 | 7 | 4 | 2 | S | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 5 | 19 | 13 | 14 | 1 | 24 | 6.7 |
| Jul 31 | 10 | 10 | 8 | 8 | 8 | 8 | 4 | 2 | 2 | S | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 6 | 3 | 2 | 2 | 2 | 1 | 10 | 3.7 |
| Diurnal Maximum | 28 | 25 | 14 | 15 | 13 | 28 | 24 | 11 | 7 | 7 | 7 | 8 | 6 | 6 | 6 | 4 | 4 | 5 | 5 | 7 | 9 | 19 | 20 | 28 | | | |
| Diurnal Average | 6.0 | 5.7 | 4.9 | 5.3 | 5.6 | 7.3 | 5.7 | 3.9 | 3.2 | 2.6 | 2.6 | 2.5 | 2.1 | 2.1 | 2.2 | 1.6 | 1.7 | 1.8 | 1.8 | 2.4 | 3.7 | 4.2 | 6.4 | 6.6 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



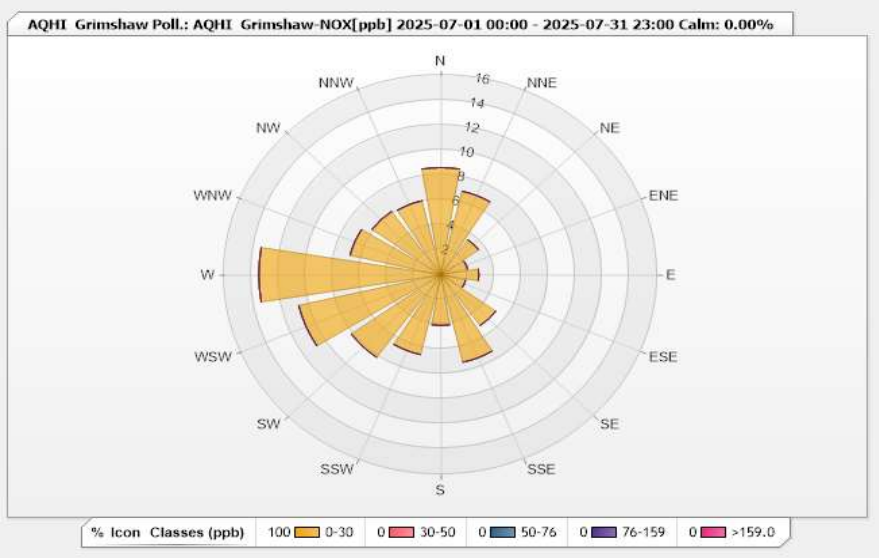



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NOX[ppb] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 86.02% Calm Avg: 0.00 [ppb]

| Direction | 0-30 | 30-50 | 50-76 | 76-159 | >159.0 | Total |
|---|---|---|---|---|---|---|
| N | 8.59 | 0 | 0 | 0 | 0 | 8.59 |
| NNE | 6.88 | 0 | 0 | 0 | 0 | 6.88 |
| NE | 3.44 | 0 | 0 | 0 | 0 | 3.44 |
| ENE | 2.03 | 0 | 0 | 0 | 0 | 2.03 |
| E | 2.81 | 0 | 0 | 0 | 0 | 2.81 |
| ESE | 1.88 | 0 | 0 | 0 | 0 | 1.88 |
| SE | 5 | 0 | 0 | 0 | 0 | 5 |
| SSE | 7.19 | 0 | 0 | 0 | 0 | 7.19 |
| S | 4.06 | 0 | 0 | 0 | 0 | 4.06 |
| SSW | 6.56 | 0 | 0 | 0 | 0 | 6.56 |
| SW | 8.13 | 0 | 0 | 0 | 0 | 8.13 |
| WSW | 10.78 | 0 | 0 | 0 | 0 | 10.78 |
| W | 13.44 | 0 | 0 | 0 | 0 | 13.44 |
| WNW | 6.88 | 0 | 0 | 0 | 0 | 6.88 |
| NW | 6.25 | 0 | 0 | 0 | 0 | 6.25 |
| NNW | 6.09 | 0 | 0 | 0 | 0 | 6.09 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***AQHI - Grimshaw Station - July 2025***

**Summary of Hourly Averages**

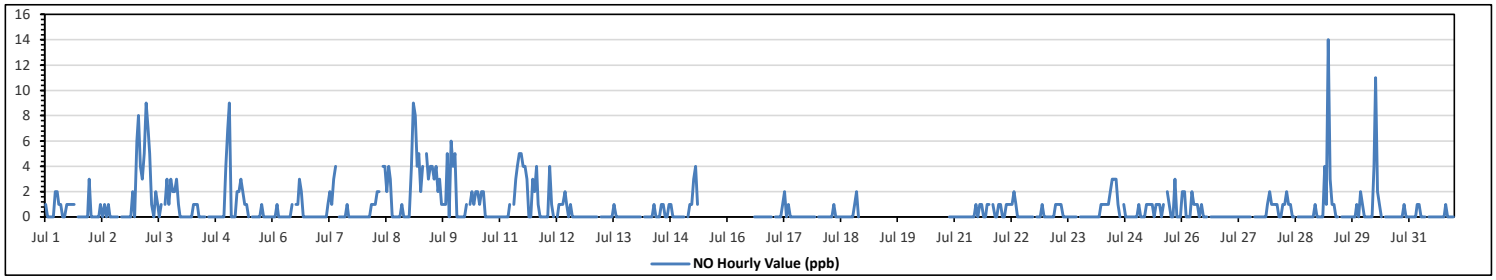
**NITRIC OXIDE (NO) in ppb**

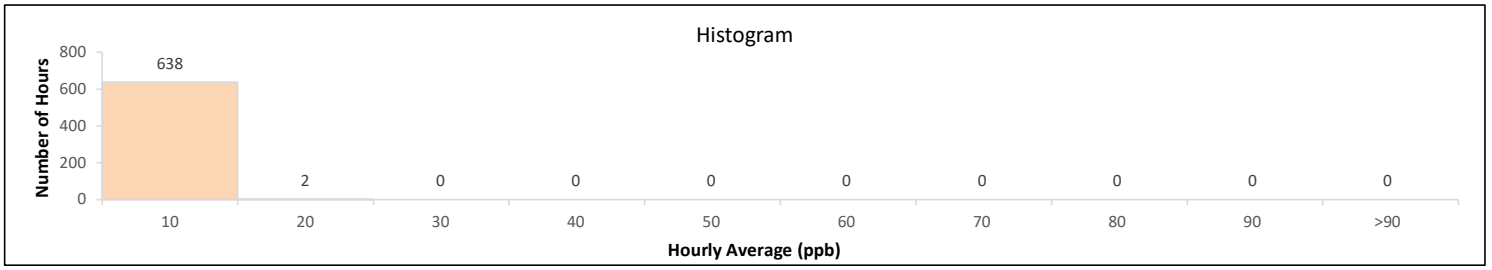
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 14 | ppb | on Jul 29 at hr 5 | Hours in Service: | 744 |
| Maximum Daily Value: | 3.6 | ppb | on Jul 9 | Hours of Data: | 640 |
| Minimum Hourly Value: | 0 | ppb | on Jul 1 at hr 1 | Hours of Missing Data: | 64 |
| Minimum Daily Value: | 0.0 | ppb | on Jul 13 | Hours of Calibration: | 40 |
| Monthly Average: | 0.7 | ppb | | Operational Uptime: | 91.4 |

| 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 | | | |
| Jul 1 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | S | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0.7 |
| Jul 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0.2 |
| Jul 3 | 6 | 8 | 4 | 3 | 5 | 9 | 7 | 5 | 1 | 0 | 2 | 1 | 0 | 1 | S | 1 | 3 | 1 | 3 | 2 | 2 | 3 | 1 | 0 | 0 | 9 | 3.0 |
| Jul 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0.3 |
| Jul 5 | 7 | 9 | 0 | 0 | 0 | 2 | 2 | 3 | 2 | 1 | 1 | 0 | S | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1.2 |
| Jul 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | S | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.4 |
| Jul 7 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 3 | 4 | S | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0.5 |
| Jul 8 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | S | 4 | 4 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1.1 |
| Jul 9 | 0 | 4 | 9 | 8 | 4 | 5 | 2 | 4 | S | 5 | 3 | 4 | 4 | 3 | 4 | 2 | 3 | 1 | 1 | 1 | 5 | 0 | 6 | 4 | 0 | 9 | **3.6** |
| Jul 10 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | S | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0.8 |
| Jul 11 | 0 | 0 | 0 | 0 | 0 | 1 | S | 1 | 3 | 4 | 5 | 5 | 4 | 4 | 3 | 0 | 0 | 3 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 5 | 1.7 |
| Jul 12 | 0 | 0 | 4 | 1 | 0 | S | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0.5 |
| Jul 13 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.0 |
| Jul 14 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| Jul 15 | 0 | 0 | S | 0 | 1 | 1 | 3 | 4 | 1 | C | C | C | C | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | 0 | 4 | NA |
| Jul 16 | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | C | C | C | C | C | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| Jul 17 | S | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 2 | 0.2 |
| Jul 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | S | X | 0 | 2 | 0.2 |
| Jul 19 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - |
| Jul 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | S | 0 | 0 | 0 | 0 | 0 | NA |
| Jul 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | S | 1 | 0 | 0 | 1 | 0 | 1 | 0.3 |
| Jul 22 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0.4 |
| Jul 23 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.2 |
| Jul 24 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 1 | 0 | S | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.8 |
| Jul 25 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | S | 2 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.7 |
| Jul 26 | 2 | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.4 |
| Jul 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 0.2 |
| Jul 28 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0.4 |
| Jul 29 | 0 | 0 | 0 | 4 | 1 | **14** | 3 | 1 | 1 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | **14** | 1.2 |
| Jul 30 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 2 | 1 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 11 | 0.8 |
| Jul 31 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | S | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.1 |
| Diurnal Maximum | 7 | 9 | 9 | 8 | 5 | 14 | 11 | 5 | 3 | 5 | 5 | 5 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 4 | 5 | 3 | 6 | 4 | | | |
| Diurnal Average | 0.9 | 0.9 | 0.7 | 0.6 | 0.5 | 1.9 | 1.6 | 1.3 | 1.0 | 0.8 | 0.9 | 0.9 | 0.8 | 0.8 | 0.8 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.2 | 0.5 | 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.



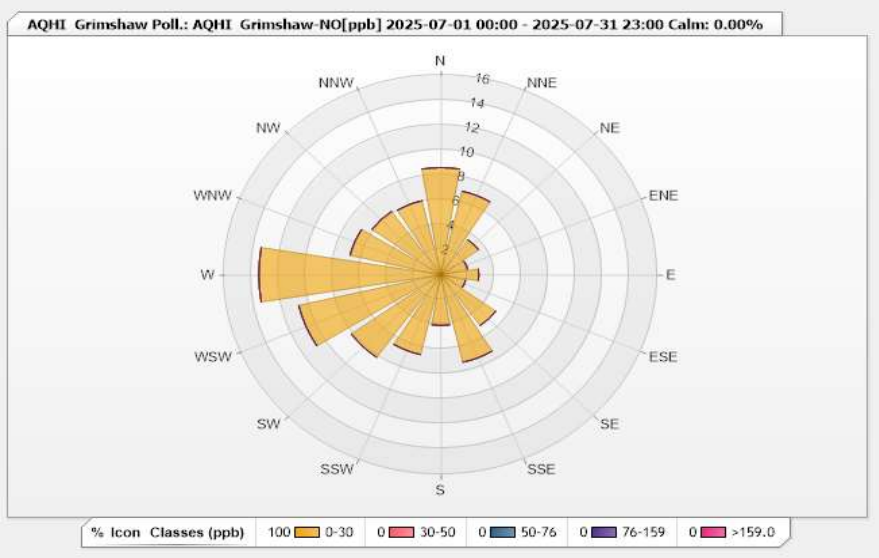



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO[ppb] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 86.02% Calm Avg: 0.00 [ppb]

| Direction | 0-30 | 30-50 | 50-76 | 76-159 | >159.0 | Total |
|---|---|---|---|---|---|---|
| N | 8.59 | 0 | 0 | 0 | 0 | 8.59 |
| NNE | 6.88 | 0 | 0 | 0 | 0 | 6.88 |
| NE | 3.44 | 0 | 0 | 0 | 0 | 3.44 |
| ENE | 2.03 | 0 | 0 | 0 | 0 | 2.03 |
| E | 2.81 | 0 | 0 | 0 | 0 | 2.81 |
| ESE | 1.88 | 0 | 0 | 0 | 0 | 1.88 |
| SE | 5 | 0 | 0 | 0 | 0 | 5 |
| SSE | 7.19 | 0 | 0 | 0 | 0 | 7.19 |
| S | 4.06 | 0 | 0 | 0 | 0 | 4.06 |
| SSW | 6.56 | 0 | 0 | 0 | 0 | 6.56 |
| SW | 8.13 | 0 | 0 | 0 | 0 | 8.13 |
| WSW | 10.78 | 0 | 0 | 0 | 0 | 10.78 |
| W | 13.44 | 0 | 0 | 0 | 0 | 13.44 |
| WNW | 6.88 | 0 | 0 | 0 | 0 | 6.88 |
| NW | 6.25 | 0 | 0 | 0 | 0 | 6.25 |
| NNW | 6.09 | 0 | 0 | 0 | 0 | 6.09 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***AQHI - Grimshaw Station - July 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

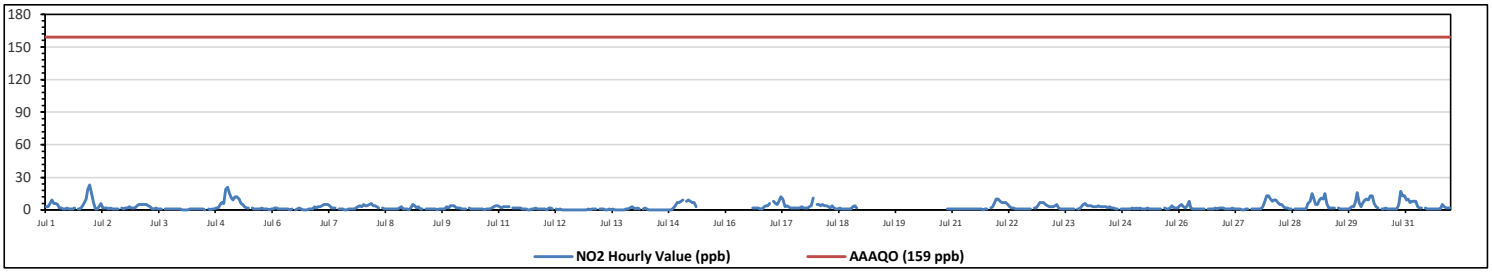
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 23 | ppb | on Jul 1 at hr 23 | Hours in Service: | 744 |
| Maximum Daily Value: | 5.8 | ppb | on Jul 30 | Hours of Data: | 640 |
| Minimum Hourly Value: | 0 | ppb | on Jul 4 at hr 0 | Hours of Missing Data: | 64 |
| Minimum Daily Value: | 0.4 | ppb | on Jul 12 | Hours of Calibration: | 40 |
| Monthly Average: | 2.7 | ppb | | Operational Uptime: | 91.4 |

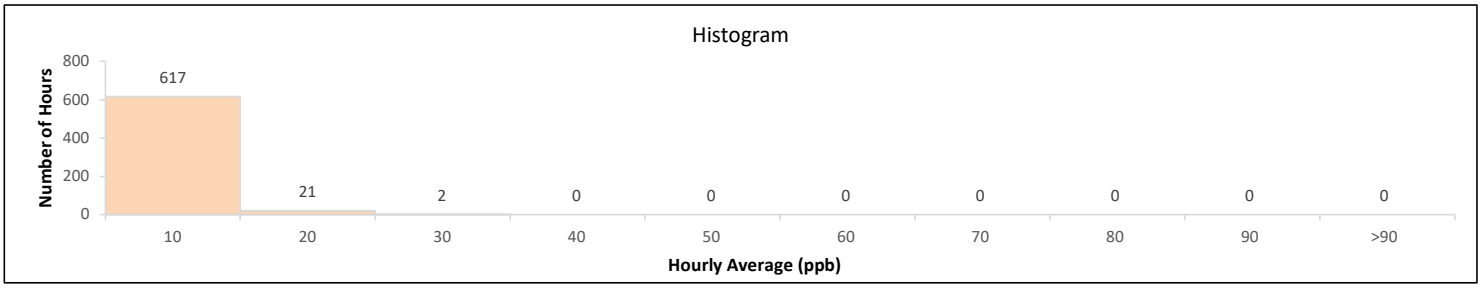
| Day | Hourly Period Starting at (MST) | | | | | | | | | | | | | | | | | | | | | | | Daily Minimum | Daily Maximum | Daily Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | |
| Jul 1 | 3 | 3 | 6 | 9 | 6 | 6 | 5 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | S | 1 | 1 | 3 | 6 | 10 | 19 | 23 | 1 | 23 | 5.0 |
| Jul 2 | 15 | 7 | 1 | 1 | 3 | 6 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | S | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 15 | 2.7 |
| Jul 3 | 4 | 5 | 5 | 5 | 5 | 5 | 4 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 2.3 |
| Jul 4 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | S | 1 | 0 | 1 | 1 | 2 | 2 | 5 | 7 | 6 | 19 | 0 | 19 | 2.3 |
| Jul 5 | 21 | 15 | 11 | 9 | 12 | 12 | 10 | 6 | 5 | 3 | 2 | 2 | S | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 21 | 5.2 |
| Jul 6 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | S | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 2 | 0 | 3 | 1.0 |
| Jul 7 | 3 | 3 | 4 | 5 | 5 | 5 | 4 | 2 | 2 | 2 | S | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 3 | 4 | 3 | 0 | 5 | 2.3 |
| Jul 8 | 5 | 4 | 4 | 5 | 6 | 4 | 4 | 3 | 2 | S | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 6 | 2.4 |
| Jul 9 | 0 | 2 | 5 | 4 | 2 | 3 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 3 | 2 | 4 | 4 | 0 | 5 | 1.8 |
| Jul 10 | 4 | 2 | 2 | 2 | 1 | 1 | 1 | S | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 3 | 4 | 4 | 0 | 4 | 1.7 |
| Jul 11 | 3 | 2 | 3 | 3 | 3 | 3 | S | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 3 | 1.7 |
| Jul 12 | 1 | 0 | 2 | 2 | 1 | S | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0.4 |
| Jul 13 | 0 | 1 | 1 | 1 | S | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 0 | 3 | 0.7 |
| Jul 14 | 1 | 2 | 1 | S | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 7 | 7 | 0 | 7 | 1.2 |
| Jul 15 | 8 | 9 | S | 8 | 9 | 8 | 7 | 7 | 3 | C | C | C | C | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | 3 | 9 | NA |
| Jul 16 | NRM | NRM | NRM | NRM | NRM | NRM | NRM | NRM | C | C | C | C | C | C | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 4 | 4 | 6 | 1 | 6 | NA |
| Jul 17 | S | 8 | 6 | 5 | 8 | 12 | 10 | 3 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 4 | 11 | S | 2 | 12 | 4.5 |
| Jul 18 | 5 | 5 | 4 | 5 | 4 | 4 | 3 | 2 | 4 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 4 | 2 | S | X | 1 | 5 | 2.6 |
| Jul 19 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - |
| Jul 20 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | S | 1 | 1 | 1 | 1 | 1 | NA |
| Jul 21 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | S | 2 | 3 | 7 | 10 | 0 | 10 | 1.7 |
| Jul 22 | 10 | 8 | 7 | 7 | 7 | 5 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | S | 2 | 2 | 4 | 7 | 7 | 1 | 10 | 3.6 |
| Jul 23 | 7 | 5 | 4 | 3 | 3 | 3 | 4 | 5 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | S | 1 | 1 | 3 | 5 | 6 | 4 | 1 | 7 | 2.8 |
| Jul 24 | 4 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 2.3 |
| Jul 25 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | S | 2 | 1 | 1 | 2 | 4 | 2 | 2 | 2 | 1 | 4 | 1.5 |
| Jul 26 | 4 | 5 | 3 | 2 | 4 | 8 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | S | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 8 | 2.1 |
| Jul 27 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 7 | 13 | 13 | 0 | 13 | 2.3 |
| Jul 28 | 10 | 8 | 9 | 9 | 7 | 5 | 5 | 3 | 2 | 2 | 1 | 1 | S | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 8 | 15 | 11 | 1 | 15 | 4.7 |
| Jul 29 | 5 | 5 | 9 | 11 | 10 | 15 | 6 | 2 | 2 | 2 | 2 | S | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 7 | 16 | 7 | 1 | 16 | 4.9 |
| Jul 30 | 3 | 7 | 9 | 10 | 9 | 13 | 13 | 6 | 3 | 2 | S | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 17 | 13 | 13 | 1 | 17 | 5.8 |
| Jul 31 | 9 | 10 | 7 | 8 | 8 | 8 | 3 | 2 | 2 | S | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 3 | 2 | 2 | 2 | 1 | 10 | 3.5 |
| Diurnal Maximum | 21 | 15 | 11 | 11 | 12 | 15 | 13 | 7 | 5 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 5 | 6 | 17 | 19 | 23 | | | |
| Diurnal Average | 4.8 | 4.5 | 4.1 | 4.5 | 4.6 | 5.1 | 3.6 | 2.4 | 1.9 | 1.3 | 1.2 | 1.1 | 1.0 | 1.0 | 1.0 | 0.8 | 0.9 | 0.9 | 1.0 | 1.6 | 2.6 | 3.7 | 5.5 | 5.6 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



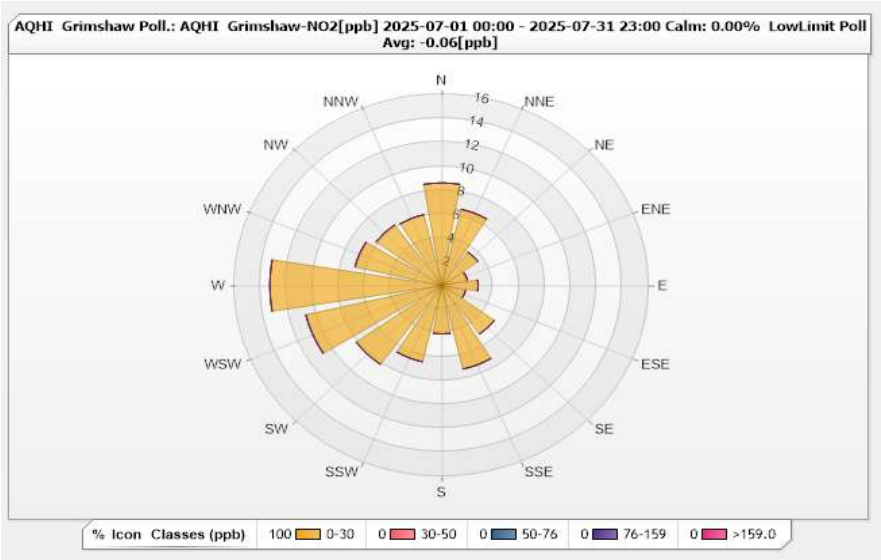



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NO2[ppb] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 86.02% Calm Avg: 0.00 [ppb]

| Direction | 0-30 | 30-50 | 50-76 | 76-159 | >159.0 | Total |
|---|---|---|---|---|---|---|
| N | 8.59 | 0 | 0 | 0 | 0 | 8.59 |
| NNE | 6.56 | 0 | 0 | 0 | 0 | 6.56 |
| NE | 3.44 | 0 | 0 | 0 | 0 | 3.44 |
| ENE | 2.03 | 0 | 0 | 0 | 0 | 2.03 |
| E | 2.81 | 0 | 0 | 0 | 0 | 2.81 |
| ESE | 1.88 | 0 | 0 | 0 | 0 | 1.88 |
| SE | 5 | 0 | 0 | 0 | 0 | 5 |
| SSE | 7.19 | 0 | 0 | 0 | 0 | 7.19 |
| S | 4.06 | 0 | 0 | 0 | 0 | 4.06 |
| SSW | 6.56 | 0 | 0 | 0 | 0 | 6.56 |
| SW | 8.13 | 0 | 0 | 0 | 0 | 8.13 |
| WSW | 10.78 | 0 | 0 | 0 | 0 | 10.78 |
| W | 13.28 | 0 | 0 | 0 | 0 | 13.28 |
| WNW | 6.88 | 0 | 0 | 0 | 0 | 6.88 |
| NW | 6.25 | 0 | 0 | 0 | 0 | 6.25 |
| NNW | 6.09 | 0 | 0 | 0 | 0 | 6.09 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*AQHI - Grimshaw Station - July 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

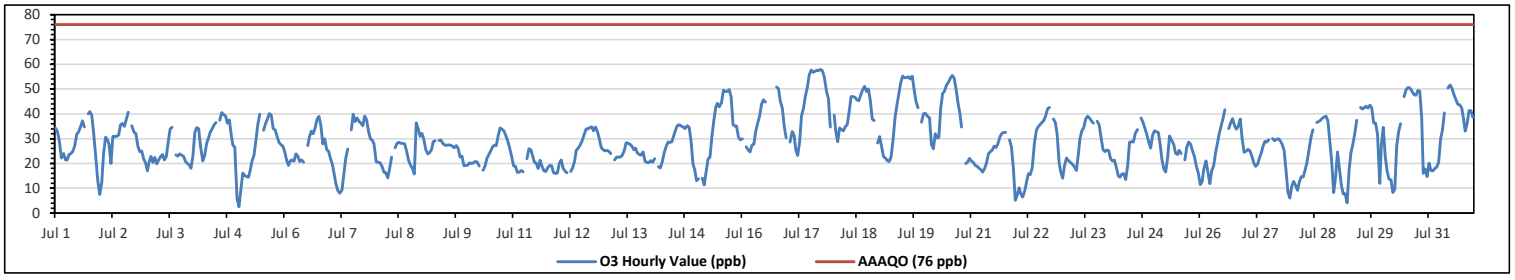
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 57.9 | ppb | on Jul 17 at hr 17 | Hours in Service: | 744 |
| Maximum Daily Value: | 45.1 | ppb | on Jul 17 | Hours of Data: | 707 |
| Minimum Hourly Value: | 2.5 | ppb | on Jul 5 at hr 0 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 19.1 | ppb | on Jul 11 | Hours of Calibration: | 37 |
| Monthly Average: | 28.8 | ppb | | Operational Uptime: | 100.0 |

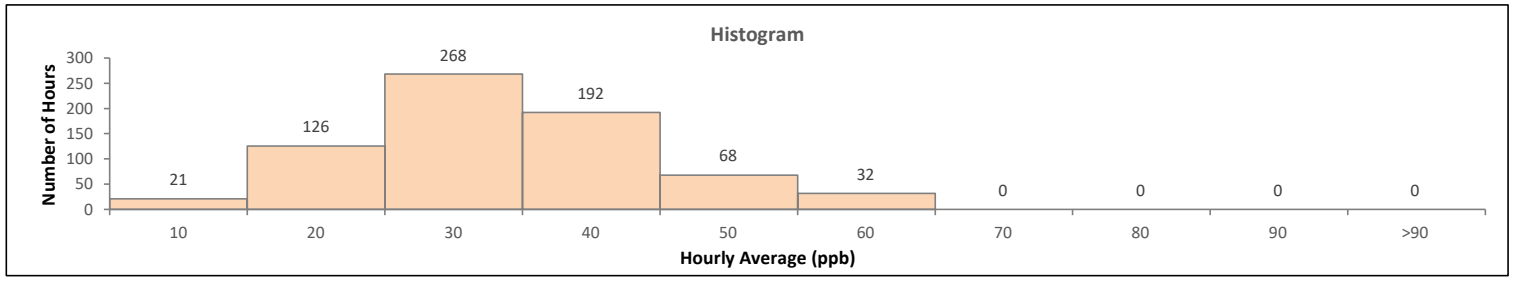
| Day | Hourly Period Starting at (MST) | | | | | | | | | | | | | | | | | | | | | | | Daily Minimum | Daily Maximum | Daily Average |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | |
| Jul 1 | 34.2 | 32.7 | 28.8 | 22.1 | 23.9 | 21.4 | 21.4 | 23.7 | 24 | 24.9 | 27.2 | 31.8 | 32.7 | 34.8 | 37.1 | 34.6 | S | 40 | 40.9 | 39.5 | 32.2 | 23.4 | 12.8 | 7.5 | 7.5 | 40.9 | 28.3 |
| Jul 2 | 12 | 24.1 | 30.6 | 29.5 | 27.8 | 20 | 31 | 30.8 | 31 | 31.5 | 35.6 | 36.2 | 34.9 | 37.8 | 40.7 | S | 35.2 | 32.6 | 32 | 27 | 24.7 | 25 | 21.9 | 20.2 | 12.0 | 40.7 | 29.2 |
| Jul 3 | 17 | 20.5 | 22.8 | 20.4 | 22.4 | 19.8 | 21.4 | 22.7 | 23.6 | 21.4 | 22.8 | 28.7 | 33.9 | 34.5 | S | 23.5 | 23 | 23.8 | 23.4 | 22.8 | 20.8 | 20 | 19.4 | 18 | 17.0 | 34.5 | 22.9 |
| Jul 4 | 22.8 | 32.4 | 34.4 | 34.1 | 26.8 | 21 | 23.3 | 28.1 | 29.9 | 32.5 | 33.9 | 35.5 | 36.5 | S | 37.4 | 40.5 | 39.7 | 39.2 | 36.3 | 37.5 | 31.4 | 27.3 | 26.5 | 5.8 | 5.8 | 40.5 | 31.0 |
| Jul 5 | 2.5 | 9.5 | 16.1 | 15.1 | 14.7 | 14.4 | 17.2 | 21 | 23.4 | 29.3 | 35.8 | 39.9 | S | 33.4 | 36 | 38 | 40.2 | 39.5 | 34.1 | 33.6 | 31 | 28.5 | 27.6 | 27 | **2.5** | 40.2 | 26.4 |
| Jul 6 | 24.7 | 21.3 | 19.2 | 21.2 | 21.5 | 20.9 | 23.8 | 22.9 | 20.7 | 21.4 | 20.5 | S | 27.2 | 30.5 | 33 | 32 | 34.3 | 37.8 | 38.9 | 35.4 | 27.9 | 29.9 | 25.7 | 24.9 | 19.2 | 38.9 | 26.8 |
| Jul 7 | 22 | 19.6 | 16.1 | 11.8 | 8.9 | 8 | 9.2 | 16 | 22.3 | 25.8 | S | 33.6 | 39.9 | 36.8 | 38.3 | 37 | 36.3 | 35.2 | 39.1 | 37.5 | 32.9 | 30 | 29.3 | 27.9 | 8.0 | 39.9 | 26.7 |
| Jul 8 | 20.6 | 20.5 | 20.2 | 18.9 | 16.5 | 16.2 | 14.2 | 18 | 22.6 | S | 26.3 | 28.1 | 28.5 | 28 | 28.1 | 27.9 | 24.9 | 21.3 | 19.4 | 18 | 15.7 | 36.4 | 34.1 | 31 | 14.2 | 36.4 | 23.3 |
| Jul 9 | 32.1 | 29.5 | 25.6 | 23.8 | 24.3 | 25.7 | 28.7 | 29.2 | S | 29.3 | 29.4 | 28 | 27.3 | 27.4 | 27.5 | 27.4 | 27 | 26.3 | 27.2 | 26 | 22.6 | 22.9 | 19.1 | 19.2 | 19.1 | 32.1 | 26.3 |
| Jul 10 | 19.4 | 20.2 | 19.9 | 20.2 | 20.8 | 20.6 | 19 | S | 17.3 | 19 | 22 | 23.7 | 25.1 | 26.6 | 27.4 | 27.2 | 31.1 | 34.3 | 33.8 | 33.2 | 31.2 | 29 | 26.2 | 23 | 17.3 | 34.3 | 24.8 |
| Jul 11 | 19.1 | 18.9 | 16.4 | 16.5 | 17.2 | 16.6 | S | 21.9 | 25.9 | 25.5 | 23 | 20.5 | 20.1 | 17.9 | 21.3 | 18.8 | 17.1 | 16.8 | 18.5 | 19.3 | 19.1 | 16.3 | 15.9 | 16.1 | 15.9 | 25.9 | **19.1** |
| Jul 12 | 20 | 21.5 | 18 | 16.9 | 16.3 | S | 16.8 | 18.3 | 21 | 25.3 | 26.2 | 27.3 | 29 | 31.7 | 34 | 33.9 | 34.5 | 34.6 | 33.1 | 34.6 | 32.8 | 30.1 | 26.4 | 25.6 | 16.3 | 34.6 | 26.4 |
| Jul 13 | 25 | 25.3 | 24.9 | 23.9 | S | 21.4 | 22.5 | 22.5 | 22.6 | 23.3 | 25.2 | 28.3 | 28.1 | 27.7 | 27 | 25.5 | 26.1 | 24.2 | 23.7 | 23.3 | 24.6 | 20.9 | 20.4 | 20.4 | 20.4 | 28.3 | 24.2 |
| Jul 14 | 21.2 | 20.5 | 21.9 | S | 18.7 | 18.1 | 20.8 | 24.3 | 26.8 | 28.6 | 28.5 | 28.8 | 31.3 | 33.7 | 35.3 | 35.6 | 35 | 34.6 | 34.1 | 35.2 | 34.5 | 28.8 | 19.6 | 17.6 | 17.6 | 35.6 | 27.5 |
| Jul 15 | 13 | 13.7 | S | 14 | 11.3 | 16.8 | 21.7 | 22.5 | 30.9 | 37.3 | 42.8 | 44.2 | 42.9 | 44.5 | 49.5 | 49.1 | 49 | 49.8 | 46.8 | 35.6 | 35.1 | 35.1 | 30.6 | 29.5 | 11.3 | 49.8 | 33.3 |
| Jul 16 | 29.9 | S | 26.7 | 25.5 | 24.6 | 27.4 | 27.8 | 33 | 36.3 | 39.1 | 43.8 | 45.7 | 44.8 | C | C | C | C | C | 50.9 | 50.2 | 45 | 42.3 | 34.9 | 30.3 | 24.6 | 50.9 | 36.6 |
| Jul 17 | S | 28.6 | 32.8 | 31.2 | 25.6 | 23.2 | 28.5 | 39.2 | 42.2 | 47.1 | 50.6 | 55.6 | 57.7 | 56.7 | 57.2 | 57.6 | 57.4 | **57.9** | 57.4 | 55 | 49.2 | 46.2 | 34.6 | S | 23.2 | **57.9** | **45.1** |
| Jul 18 | 39.4 | 33.2 | 28.7 | 34.3 | 33.7 | 33.1 | 34.8 | 35.8 | 41 | 47 | 47 | 46.7 | 45.6 | 45.2 | 47.6 | 49.6 | 51.1 | 49.1 | 50.1 | 45.4 | 38 | 37.3 | S | 28.2 | 28.2 | 51.1 | 41.0 |
| Jul 19 | 30.8 | 27 | 22.8 | 22.2 | 21.2 | 20.8 | 22.7 | 29.4 | 38.2 | 43.5 | 47.8 | 52.5 | 55.2 | 54.6 | 54.6 | 55 | 54 | 55.3 | 49.6 | 45 | 42.5 | S | 36.6 | 40 | 20.8 | 55.3 | 40.1 |
| Jul 20 | 40.3 | 39 | 38.5 | 27.6 | 25.9 | 32 | 30.2 | 30.4 | 42.3 | 48.2 | 49.2 | 51.6 | 52.8 | 54.3 | 55.5 | 54.4 | 50.1 | 44.4 | 40.2 | 34.7 | S | 20 | 20.5 | 22 | 20.0 | 55.5 | 39.3 |
| Jul 21 | 21.1 | 20.3 | 19.3 | 18.8 | 18.1 | 17.5 | 16.5 | 17.9 | 20.1 | 23.8 | 24.7 | 25.4 | 27 | 26.4 | 28 | 30.7 | 32.2 | 32.4 | 32.4 | S | 29.5 | 26.7 | 18.2 | 5.1 | 5.1 | 32.4 | 23.1 |
| Jul 22 | 7.2 | 10.2 | 7.9 | 6.5 | 8.6 | 12.4 | 15.8 | 15.4 | 18.3 | 28.3 | 33.4 | 34.6 | 35.6 | 36.5 | 37.3 | 39.2 | 42.1 | 42.6 | S | 37.9 | 36.6 | 31.6 | 20.2 | 16.7 | 6.5 | 42.6 | 25.0 |
| Jul 23 | 14 | 19.2 | 22.2 | 21.1 | 20.3 | 19.6 | 18.5 | 17.2 | 23.7 | 30 | 33.2 | 34.4 | 37.9 | 39.1 | 38.3 | 37.1 | 36.3 | S | 37 | 35.6 | 30.6 | 25.7 | 24.7 | 25.4 | 14.0 | 39.1 | 27.9 |
| Jul 24 | 25.2 | 21.7 | 21 | 21.3 | 18.3 | 15 | 14.5 | 15.7 | 15.8 | 13.5 | 18.9 | 28.5 | 28.8 | 28.6 | 32.1 | 33.7 | S | 38.3 | 36.6 | 34.2 | 31.8 | 28.6 | 26.1 | 31.3 | 13.5 | 38.3 | 25.2 |
| Jul 25 | 33.1 | 32.7 | 32.5 | 27.5 | 21.8 | 17.9 | 16.5 | 22.3 | 31.1 | 29.3 | 27.7 | 24.1 | 23.7 | 25.3 | 23.9 | S | 21.5 | 26.5 | 28.6 | 27.8 | 25 | 22.7 | 18.9 | 16.1 | 16.1 | 33.1 | 25.1 |
| Jul 26 | 11.5 | 12.6 | 17.5 | 21 | 16.5 | 11.8 | 17.2 | 19.1 | 24.4 | 28.3 | 32.3 | 34.9 | 38.1 | 41.6 | S | 34.1 | 36.4 | 38.1 | 35.3 | 33.8 | 35 | 38 | 30 | 24.5 | 11.5 | 41.6 | 27.5 |
| Jul 27 | 24.9 | 25.7 | 25.2 | 23.1 | 20.4 | 18.8 | 19.5 | 22.1 | 24.4 | 26.8 | 28.9 | 28.6 | 29.5 | S | 30.1 | 29.2 | 29.8 | 29.9 | 29.1 | 27.7 | 25.3 | 17.3 | 8.5 | 6 | 6.0 | 30.1 | 23.9 |
| Jul 28 | 10.9 | 12.8 | 11 | 9.1 | 12.7 | 14.7 | 14.6 | 17.1 | 20.1 | 24.7 | 30.4 | 33.5 | S | 36.5 | 36.8 | 37.4 | 38.2 | 38.7 | 39.1 | 37.1 | 28.8 | 20.4 | 8.2 | 14.7 | 8.2 | 39.1 | 23.8 |
| Jul 29 | 24.6 | 17.8 | 11.1 | 7.7 | 7.7 | 4.1 | 17 | 24.3 | 27.7 | 32.1 | 37.4 | S | 42.6 | 41.9 | 42.4 | 43.1 | 42.3 | 43.4 | 42.5 | 36.4 | 36.3 | 31.7 | 12 | 27.5 | 4.1 | 43.4 | 28.4 |
| Jul 30 | 34.5 | 22.9 | 16.9 | 13.6 | 13.4 | 8.2 | 9.7 | 27.1 | 32.9 | 36 | S | 47 | 49.6 | 50.6 | 50.4 | 49.3 | 47.7 | 47.5 | 49.4 | 49.2 | 38.5 | 15.9 | 17.8 | 14.7 | 8.2 | 50.6 | 32.3 |
| Jul 31 | 20.1 | 17.2 | 17.1 | 17.9 | 18.5 | 20.5 | 29.8 | 33.6 | 40.4 | S | 50.5 | 51.5 | 50.2 | 47.7 | 45.7 | 43.8 | 43.6 | 42.4 | 38.7 | 33 | 36.1 | 41.3 | 41.2 | 38.6 | 17.1 | 51.5 | 35.6 |
| Diurnal Maximum | 40.3 | 39.0 | 38.5 | 34.3 | 33.7 | 33.1 | 34.8 | 39.2 | 42.3 | 48.2 | 50.6 | 55.6 | 57.7 | 56.7 | 57.2 | 57.6 | 57.4 | 57.9 | 57.4 | 55.0 | 49.2 | 46.2 | 41.2 | 40.0 | | | |
| Diurnal Average | 22.4 | 22.4 | 22.2 | 20.6 | 19.3 | 18.6 | 20.8 | 24.1 | 27.4 | 30.1 | 32.9 | 35.5 | 36.4 | 36.8 | 37.6 | 37.3 | 37.0 | 37.1 | 36.6 | 34.7 | 31.5 | 28.3 | 23.6 | 21.8 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



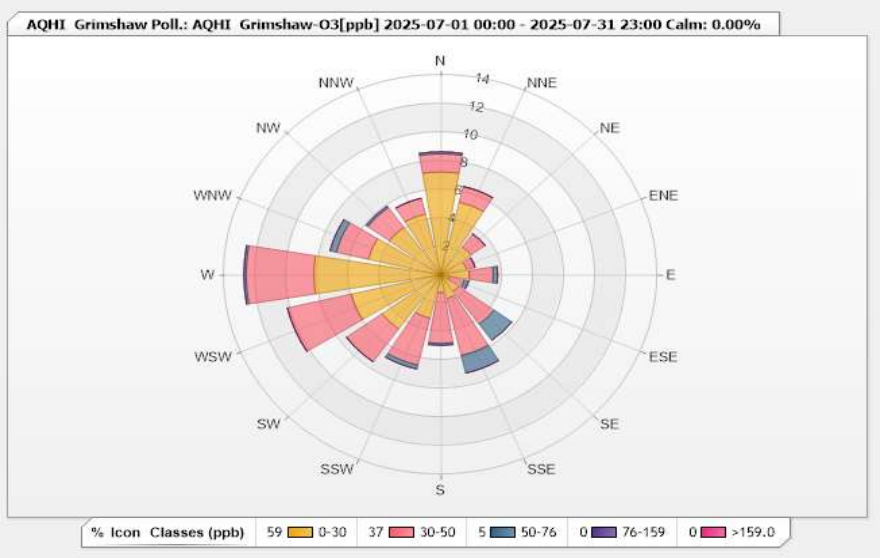



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-O3[ppb] Monthly: 07-2025**

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 | 0-30 | 30-50 | 50-76 | 76-159 | >159.0 | Total |
|---|---|---|---|---|---|---|
| N | 7.21 | 1.27 | 0.14 | 0 | 0 | 8.62 |
| NNE | 5.23 | 1.13 | 0 | 0 | 0 | 6.36 |
| NE | 2.4 | 1.13 | 0 | 0 | 0 | 3.53 |
| ENE | 1.7 | 0.57 | 0 | 0 | 0 | 2.27 |
| E | 1.84 | 1.56 | 0.28 | 0 | 0 | 3.68 |
| ESE | 0.57 | 0.99 | 0.28 | 0 | 0 | 1.84 |
| SE | 1.41 | 2.83 | 1.41 | 0 | 0 | 5.65 |
| SSE | 1.7 | 4.1 | 1.27 | 0 | 0 | 7.07 |
| S | 1.27 | 3.54 | 0.14 | 0 | 0 | 4.95 |
| SSW | 3.11 | 3.39 | 0.28 | 0 | 0 | 6.78 |
| SW | 4.67 | 2.83 | 0 | 0 | 0 | 7.5 |
| WSW | 5.94 | 4.24 | 0 | 0 | 0 | 10.18 |
| W | 8.2 | 4.38 | 0.14 | 0 | 0 | 12.72 |
| WNW | 4.81 | 2.12 | 0.42 | 0 | 0 | 7.35 |
| NW | 4.1 | 1.7 | 0.14 | 0 | 0 | 5.94 |
| NNW | 4.38 | 1.13 | 0 | 0 | 0 | 5.51 |
| Summary | 58.54 | 36.91 | 4.5 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***AQHI - Grimshaw Station - July 2025***

**Summary of Hourly Averages**

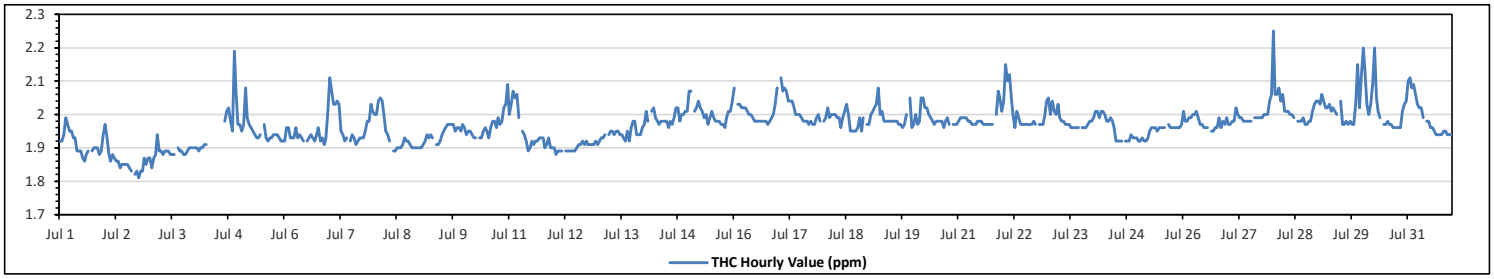
**TOTAL HYDROCARBONS (THC) in ppm**

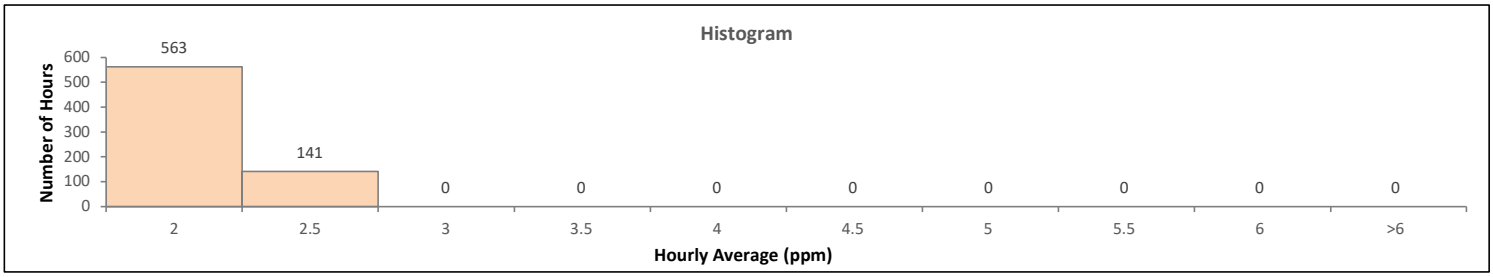
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.25 | ppm | on Jul 28 at hr 0 | Hours in Service: | 744 |
| Maximum Daily Value: | 2.02 | ppm | on Jul 28 | Hours of Data: | 704 |
| Minimum Hourly Value: | 1.81 | ppm | on Jul 2 at hr 18 | Hours of Missing Data: | 3 |
| Minimum Daily Value: | 1.86 | ppm | on Jul 2 | Hours of Calibration: | 37 |
| Monthly Average: | 1.97 | ppm | | Operational Uptime: | 99.6 |

| 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 | | | |
| Jul 1 | 1.92 | 1.92 | 1.94 | 1.99 | 1.97 | 1.95 | 1.95 | 1.93 | 1.93 | 1.89 | 1.89 | 1.89 | 1.87 | 1.86 | 1.88 | 1.89 | S | 1.89 | 1.90 | 1.90 | 1.90 | 1.88 | 1.89 | 1.94 | 1.86 | 1.99 | 1.91 |
| Jul 2 | 1.97 | 1.93 | 1.88 | 1.86 | 1.88 | 1.87 | 1.86 | 1.86 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.84 | 1.83 | S | 1.82 | 1.83 | 1.81 | 1.83 | 1.83 | 1.87 | 1.85 | 1.87 | 1.81 | 1.97 | 1.86 |
| Jul 3 | 1.87 | 1.84 | 1.87 | 1.88 | 1.94 | 1.89 | 1.89 | 1.88 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | S | 1.90 | 1.89 | 1.89 | 1.88 | 1.88 | 1.89 | 1.90 | 1.90 | 1.90 | 1.84 | 1.94 | 1.89 |
| Jul 4 | 1.90 | 1.90 | 1.89 | 1.90 | 1.90 | 1.91 | 1.91 | C | C | NRM | NRM | NRM | C | C | C | C | 1.98 | 2.01 | 2.02 | 1.98 | 1.95 | 2.19 | 2.07 | 1.97 | 1.89 | 2.19 | NA |
| Jul 5 | 1.97 | 1.95 | 1.97 | 2.08 | 1.99 | 1.97 | 1.96 | 1.95 | 1.94 | 1.93 | 1.93 | 1.94 | S | 1.97 | 1.93 | 1.92 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.93 | 1.92 | 1.92 | 1.92 | 2.08 | 1.95 |
| Jul 6 | 1.92 | 1.96 | 1.96 | 1.93 | 1.93 | 1.93 | 1.96 | 1.93 | 1.94 | 1.93 | 1.92 | S | 1.92 | 1.93 | 1.94 | 1.93 | 1.92 | 1.94 | 1.96 | 1.92 | 1.93 | 1.91 | 1.93 | 2.01 | 1.91 | 2.01 | 1.94 |
| Jul 7 | 2.11 | 2.07 | 2.03 | 2.03 | 2.04 | 2.03 | 1.95 | 1.94 | 1.92 | 1.93 | S | 1.92 | 1.94 | 1.93 | 1.91 | 1.92 | 1.93 | 1.93 | 1.93 | 1.95 | 1.98 | 1.98 | 2.03 | 2.01 | 1.91 | 2.11 | 1.97 |
| Jul 8 | 2.00 | 2.00 | 2.04 | 2.05 | 2.04 | 2.00 | 1.95 | 1.94 | 1.92 | S | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.91 | 1.93 | 1.92 | 1.92 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 2.05 | 1.94 |
| Jul 9 | 1.90 | 1.90 | 1.91 | 1.92 | 1.94 | 1.93 | 1.94 | 1.93 | S | 1.91 | 1.91 | 1.92 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.95 | 1.96 | 1.96 | 1.95 | 1.97 | 1.90 | 1.97 | 1.94 |
| Jul 10 | 1.96 | 1.94 | 1.95 | 1.95 | 1.94 | 1.93 | 1.93 | S | 1.93 | 1.93 | 1.95 | 1.96 | 1.95 | 1.93 | 1.96 | 1.98 | 1.98 | 1.96 | 1.99 | 1.97 | 1.98 | 2.02 | 2.03 | 2.09 | 1.93 | 2.09 | 1.97 |
| Jul 11 | 2.00 | 2.03 | 2.07 | 2.05 | 2.06 | 1.99 | S | 1.95 | 1.94 | 1.92 | 1.89 | 1.90 | 1.92 | 1.91 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.90 | 1.91 | 1.93 | 1.90 | 1.90 | 1.89 | 2.07 | 1.95 |
| Jul 12 | 1.90 | 1.88 | 1.89 | 1.89 | 1.89 | S | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.91 | 1.91 | 1.92 | 1.91 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 | 1.92 | 1.91 | 1.88 | 1.92 | 1.90 |
| Jul 13 | 1.92 | 1.93 | 1.93 | 1.94 | S | 1.94 | 1.95 | 1.95 | 1.94 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.92 | 1.95 | 1.92 | 1.96 | 1.98 | 1.98 | 1.94 | 1.94 | 1.94 | 1.96 | 1.92 | 1.98 | 1.94 |
| Jul 14 | 1.97 | 2.01 | 1.98 | S | 2.01 | 2.02 | 1.99 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.96 | 1.98 | 1.97 | 1.99 | 2.02 | 2.02 | 1.98 | 2.00 | 2.00 | 2.01 | 2.01 | 1.96 | 2.02 | 1.99 |
| Jul 15 | 2.07 | 2.07 | S | 2.01 | 2.02 | 2.04 | 2.02 | 2.01 | 1.99 | 2.00 | 1.97 | 1.99 | 2.01 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.99 | 2.01 | 2.01 | 2.04 | 1.96 | 2.07 | 2.00 |
| Jul 16 | 2.08 | S | 2.03 | 2.03 | 2.02 | 2.02 | 2.02 | 2.01 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.99 | 2.00 | 2.03 | 2.08 | 1.97 | 2.08 | 2.00 |
| Jul 17 | S | 2.11 | 2.07 | 2.08 | 2.07 | 2.04 | 2.04 | 2.04 | 2.02 | 2.00 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 1.99 | 2.00 | 1.98 | S | 1.97 | 2.11 | 2.01 |
| Jul 18 | 1.98 | 1.99 | 2.02 | 1.99 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.96 | 1.99 | 2.01 | 2.03 | 2.00 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.99 | 1.95 | 1.99 | S | 1.97 | 1.95 | 2.03 | 1.98 |
| Jul 19 | 1.97 | 2.00 | 2.01 | 2.02 | 2.03 | 2.08 | 2.00 | 2.01 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.97 | 2.00 | S | 2.05 | 1.96 | 1.96 | 2.08 | 1.99 |
| Jul 20 | 1.97 | 2.00 | 1.97 | 1.98 | 2.05 | 2.05 | 2.02 | 2.02 | 2.00 | 1.99 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.96 | 1.98 | 1.99 | 1.97 | S | 1.97 | 1.97 | 1.97 | 1.96 | 2.05 | 1.99 |
| Jul 21 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | S | 2.00 | 2.07 | 2.05 | 2.01 | 1.97 | 2.07 | 1.99 |
| Jul 22 | 2.04 | 2.15 | 2.10 | 2.12 | 2.05 | 2.00 | 1.96 | 2.01 | 1.99 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.97 | S | 1.97 | 1.97 | 1.97 | 2.00 | 2.04 | 1.96 | 2.15 | 2.00 |
| Jul 23 | 2.05 | 2.00 | 2.04 | 2.01 | 2.00 | 2.03 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.96 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.96 | 2.05 | 1.98 |
| Jul 24 | 1.99 | 2.01 | 2.01 | 1.99 | 2.01 | 2.01 | 2.00 | 1.98 | 1.98 | 1.99 | 1.98 | 1.96 | 1.92 | 1.92 | 1.92 | 1.92 | S | 1.92 | 1.92 | 1.92 | 1.94 | 1.93 | 1.93 | 1.93 | 1.92 | 2.01 | 1.96 |
| Jul 25 | 1.92 | 1.92 | 1.93 | 1.92 | 1.92 | 1.93 | 1.95 | 1.96 | 1.96 | 1.96 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.97 | 1.92 | 1.97 | 1.95 |
| Jul 26 | 2.01 | 1.98 | 1.98 | 1.99 | 1.99 | 2.00 | 2.00 | 2.01 | 1.99 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | S | 1.95 | 1.95 | 1.96 | 1.96 | 1.99 | 1.96 | 1.98 | 1.97 | 1.99 | 1.95 | 2.01 | 1.98 |
| Jul 27 | 1.97 | 1.97 | 1.98 | 1.98 | 2.02 | 2.00 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | S | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 2.04 | 2.06 | 1.97 | 2.06 | 1.99 |
| Jul 28 | 2.25 | 2.06 | 2.06 | 2.08 | 2.04 | 2.06 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | S | 1.98 | 1.98 | 1.98 | 1.99 | 1.97 | 1.97 | 1.98 | 1.98 | 2.01 | 2.03 | 2.04 | 1.97 | 2.25 | 2.02 |
| Jul 29 | 2.04 | 2.03 | 2.06 | 2.04 | 2.02 | 2.02 | 2.03 | 2.01 | 2.02 | 2.01 | 2.00 | S | 2.04 | 1.97 | 1.97 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 2.03 | 2.15 | 2.02 | 2.12 | 1.97 | 2.15 | 2.02 |
| Jul 30 | 2.20 | 2.13 | 2.03 | 2.00 | 2.03 | 2.09 | 2.20 | 2.05 | 2.01 | 1.99 | S | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.01 | 2.03 | 2.04 | 1.96 | 2.20 | 2.02 |
| Jul 31 | 2.10 | 2.11 | 2.08 | 2.09 | 2.06 | 2.03 | 2.02 | 2.02 | 1.99 | S | 1.98 | 1.98 | 1.96 | 1.96 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 2.11 | 1.99 |
| Diurnal Maximum | 2.25 | 2.15 | 2.10 | 2.12 | 2.07 | 2.09 | 2.20 | 2.05 | 2.02 | 2.01 | 2.00 | 2.01 | 2.04 | 2.00 | 1.99 | 1.99 | 1.99 | 2.02 | 2.02 | 2.00 | 2.03 | 2.19 | 2.07 | 2.12 | | | |
| Diurnal Average | 2.00 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.98 | 1.97 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.98 | 1.97 | 1.98 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



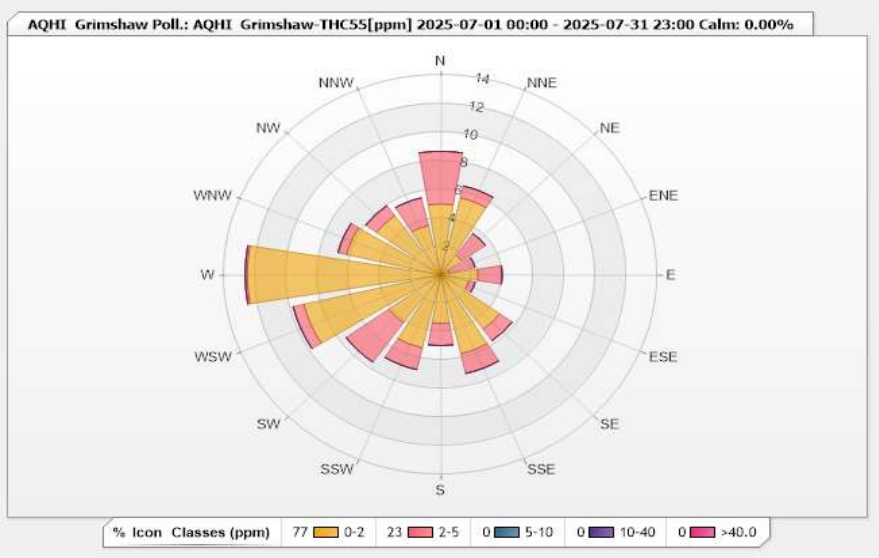



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-THC55[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppm]

| Direction | 0-2 | 2-5 | 5-10 | 10-40 | >40.0 | Total |
|---|---|---|---|---|---|---|
| N | 4.97 | 3.69 | 0 | 0 | 0 | 8.66 |
| NNE | 5.54 | 0.85 | 0 | 0 | 0 | 6.39 |
| NE | 1.7 | 1.85 | 0 | 0 | 0 | 3.55 |
| ENE | 0.57 | 1.7 | 0 | 0 | 0 | 2.27 |
| E | 2.41 | 1.56 | 0 | 0 | 0 | 3.97 |
| ESE | 1.85 | 0.43 | 0 | 0 | 0 | 2.28 |
| SE | 4.69 | 0.99 | 0 | 0 | 0 | 5.68 |
| SSE | 5.68 | 1.42 | 0 | 0 | 0 | 7.1 |
| S | 3.41 | 1.56 | 0 | 0 | 0 | 4.97 |
| SSW | 5.26 | 1.56 | 0 | 0 | 0 | 6.82 |
| SW | 4.12 | 3.41 | 0 | 0 | 0 | 7.53 |
| WSW | 9.09 | 0.71 | 0 | 0 | 0 | 9.8 |
| W | 12.5 | 0.14 | 0 | 0 | 0 | 12.64 |
| WNW | 6.25 | 0.57 | 0 | 0 | 0 | 6.82 |
| NW | 5.11 | 0.85 | 0 | 0 | 0 | 5.96 |
| NNW | 3.55 | 1.99 | 0 | 0 | 0 | 5.54 |
| Summary | 76.7 | 23.28 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*AQHI - Grimshaw Station - July 2025*

**Summary of Hourly Averages**

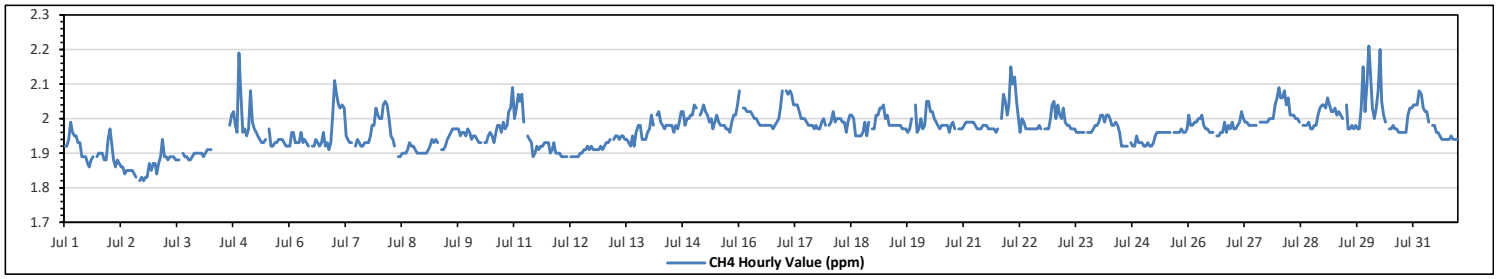
**METHANE (CH4) in ppm**

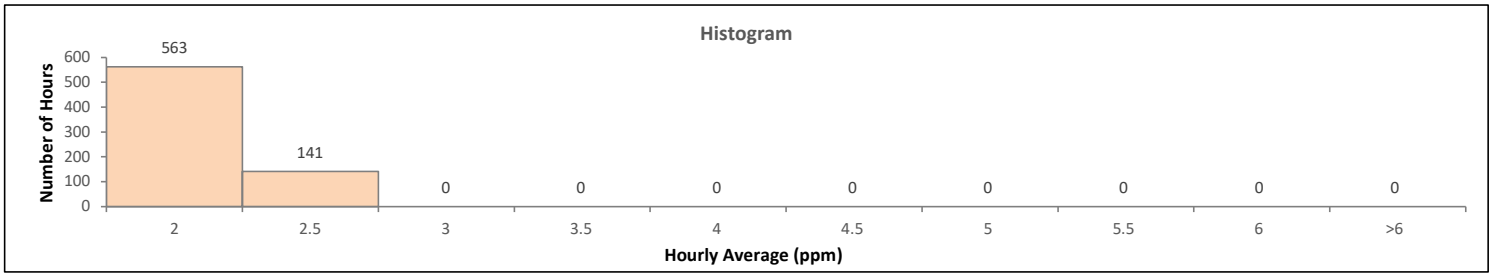
| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 2.21 | ppm | on Jul 30 at hr 0 | Hours in Service: | 744 |
| Maximum Daily Value: | 2.02 | ppm | on Jul 30 | Hours of Data: | 704 |
| Minimum Hourly Value: | 1.82 | ppm | on Jul 2 at hr 16 | Hours of Missing Data: | 3 |
| Minimum Daily Value: | 1.86 | ppm | on Jul 2 | Hours of Calibration: | 37 |
| Monthly Average: | 1.97 | ppm | | Operational Uptime: | 99.6 |

| 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 | | | |
| Jul 1 | 1.92 | 1.92 | 1.94 | 1.99 | 1.96 | 1.95 | 1.95 | 1.93 | 1.93 | 1.89 | 1.89 | 1.89 | 1.87 | 1.86 | 1.88 | 1.89 | S | 1.89 | 1.90 | 1.90 | 1.90 | 1.88 | 1.88 | 1.94 | 1.86 | 1.99 | 1.91 |
| Jul 2 | 1.97 | 1.93 | 1.88 | 1.86 | 1.88 | 1.87 | 1.86 | 1.86 | 1.84 | 1.85 | 1.85 | 1.85 | 1.85 | 1.84 | 1.83 | S | 1.82 | 1.83 | 1.82 | 1.83 | 1.83 | 1.87 | 1.85 | 1.87 | 1.82 | 1.97 | 1.86 |
| Jul 3 | 1.87 | 1.84 | 1.87 | 1.89 | 1.94 | 1.89 | 1.89 | 1.88 | 1.89 | 1.89 | 1.89 | 1.88 | 1.88 | 1.88 | S | 1.90 | 1.89 | 1.89 | 1.88 | 1.88 | 1.89 | 1.90 | 1.90 | 1.90 | 1.84 | 1.94 | 1.89 |
| Jul 4 | 1.90 | 1.90 | 1.89 | 1.90 | 1.91 | 1.91 | 1.91 | C | C | NRM | NRM | NRM | C | C | C | C | 1.98 | 2.01 | 2.02 | 1.98 | 1.96 | 2.19 | 2.07 | 1.96 | 1.89 | 2.19 | NA |
| Jul 5 | 1.97 | 1.95 | 1.97 | 2.08 | 1.99 | 1.97 | 1.96 | 1.95 | 1.94 | 1.93 | 1.93 | 1.94 | S | 1.97 | 1.92 | 1.92 | 1.93 | 1.93 | 1.94 | 1.94 | 1.94 | 1.93 | 1.92 | 1.92 | 1.92 | 2.08 | 1.95 |
| Jul 6 | 1.92 | 1.96 | 1.96 | 1.93 | 1.93 | 1.93 | 1.96 | 1.93 | 1.94 | 1.93 | 1.92 | S | 1.92 | 1.92 | 1.94 | 1.93 | 1.92 | 1.93 | 1.96 | 1.92 | 1.93 | 1.91 | 1.93 | 2.01 | 1.91 | 2.01 | 1.94 |
| Jul 7 | 2.11 | 2.07 | 2.04 | 2.03 | 2.04 | 2.03 | 1.95 | 1.94 | 1.93 | 1.93 | S | 1.92 | 1.94 | 1.93 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.95 | 1.98 | 1.98 | 2.03 | 2.01 | 1.92 | 2.11 | 1.98 |
| Jul 8 | 2.00 | 2.00 | 2.04 | 2.05 | 2.04 | 2.00 | 1.95 | 1.94 | 1.92 | S | 1.89 | 1.89 | 1.90 | 1.90 | 1.90 | 1.91 | 1.93 | 1.92 | 1.92 | 1.91 | 1.90 | 1.90 | 1.90 | 1.90 | 1.89 | 2.05 | 1.94 |
| Jul 9 | 1.90 | 1.90 | 1.91 | 1.92 | 1.94 | 1.93 | 1.94 | 1.93 | S | 1.91 | 1.91 | 1.92 | 1.94 | 1.95 | 1.96 | 1.97 | 1.97 | 1.97 | 1.97 | 1.95 | 1.96 | 1.96 | 1.95 | 1.97 | 1.90 | 1.97 | 1.94 |
| Jul 10 | 1.96 | 1.94 | 1.95 | 1.95 | 1.94 | 1.93 | 1.93 | S | 1.93 | 1.93 | 1.95 | 1.96 | 1.95 | 1.93 | 1.96 | 1.98 | 1.98 | 1.96 | 1.99 | 1.97 | 1.98 | 2.02 | 2.03 | 2.09 | 1.93 | 2.09 | 1.97 |
| Jul 11 | 2.00 | 2.03 | 2.07 | 2.05 | 2.07 | 1.99 | S | 1.95 | 1.94 | 1.93 | 1.89 | 1.90 | 1.92 | 1.91 | 1.92 | 1.92 | 1.93 | 1.93 | 1.93 | 1.90 | 1.91 | 1.93 | 1.90 | 1.90 | 1.89 | 2.07 | 1.95 |
| Jul 12 | 1.90 | 1.89 | 1.89 | 1.89 | 1.89 | S | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.90 | 1.90 | 1.91 | 1.91 | 1.92 | 1.91 | 1.92 | 1.91 | 1.91 | 1.91 | 1.91 | 1.92 | 1.91 | 1.89 | 1.92 | 1.90 |
| Jul 13 | 1.92 | 1.93 | 1.93 | 1.94 | S | 1.94 | 1.95 | 1.95 | 1.94 | 1.95 | 1.95 | 1.94 | 1.94 | 1.93 | 1.92 | 1.95 | 1.92 | 1.96 | 1.98 | 1.98 | 1.94 | 1.94 | 1.94 | 1.96 | 1.92 | 1.98 | 1.94 |
| Jul 14 | 1.97 | 2.01 | 1.98 | S | 2.01 | 2.02 | 1.99 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.96 | 1.98 | 1.97 | 1.99 | 2.02 | 2.02 | 1.98 | 2.00 | 2.00 | 2.01 | 2.01 | 1.96 | 2.02 | 1.99 |
| Jul 15 | 2.04 | 2.03 | S | 2.01 | 2.02 | 2.04 | 2.02 | 2.01 | 1.99 | 2.00 | 1.97 | 1.99 | 2.01 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.96 | 1.99 | 2.01 | 2.01 | 2.04 | 1.96 | 2.04 | 2.00 |
| Jul 16 | 2.08 | S | 2.03 | 2.03 | 2.02 | 2.02 | 2.02 | 2.01 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.99 | 2.00 | 2.03 | 2.08 | 1.97 | 2.08 | 2.00 |
| Jul 17 | S | 2.08 | 2.07 | 2.08 | 2.07 | 2.04 | 2.04 | 2.04 | 2.02 | 2.00 | 2.00 | 2.00 | 1.99 | 1.98 | 1.98 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 1.99 | 2.00 | 1.98 | S | 1.97 | 2.08 | 2.01 |
| Jul 18 | 1.98 | 1.99 | 2.02 | 1.99 | 2.00 | 2.00 | 2.00 | 1.99 | 1.99 | 1.96 | 1.99 | 2.01 | 2.01 | 2.00 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.99 | 1.95 | 1.99 | S | 1.97 | 1.95 | 2.02 | 1.98 |
| Jul 19 | 1.97 | 2.01 | 2.01 | 2.03 | 2.03 | 2.04 | 2.00 | 2.01 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.96 | 1.97 | 2.00 | S | 2.04 | 1.96 | 1.96 | 2.04 | 1.99 |
| Jul 20 | 1.97 | 2.00 | 1.97 | 1.98 | 2.05 | 2.05 | 2.02 | 2.02 | 2.00 | 1.99 | 1.98 | 1.97 | 1.98 | 1.98 | 1.98 | 1.98 | 1.96 | 1.98 | 1.99 | 1.97 | S | 1.97 | 1.97 | 1.97 | 1.96 | 2.05 | 1.99 |
| Jul 21 | 1.98 | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 1.98 | 1.97 | 1.97 | 1.97 | 1.98 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.97 | 1.96 | 1.97 | S | 2.00 | 2.07 | 2.05 | 2.01 | 1.96 | 2.07 | 1.99 |
| Jul 22 | 2.04 | 2.15 | 2.10 | 2.12 | 2.05 | 2.00 | 1.96 | 2.00 | 1.99 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.98 | 1.97 | S | 1.97 | 1.97 | 1.97 | 2.00 | 2.04 | 1.96 | 2.15 | 2.00 |
| Jul 23 | 2.05 | 2.00 | 2.04 | 2.01 | 2.00 | 2.03 | 1.99 | 1.98 | 1.98 | 1.97 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.96 | 1.96 | 1.96 | 1.97 | 1.98 | 1.98 | 1.96 | 2.05 | 1.98 |
| Jul 24 | 1.99 | 2.01 | 2.01 | 1.99 | 2.01 | 2.01 | 2.00 | 1.98 | 1.98 | 1.99 | 1.98 | 1.96 | 1.92 | 1.92 | 1.92 | 1.92 | S | 1.93 | 1.92 | 1.92 | 1.95 | 1.93 | 1.93 | 1.93 | 1.92 | 2.01 | 1.96 |
| Jul 25 | 1.92 | 1.92 | 1.93 | 1.92 | 1.92 | 1.93 | 1.95 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | S | 1.96 | 1.96 | 1.96 | 1.96 | 1.97 | 1.96 | 1.96 | 1.97 | 1.92 | 1.97 | 1.95 |
| Jul 26 | 2.01 | 1.98 | 1.98 | 1.99 | 1.99 | 2.00 | 2.00 | 2.01 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | S | 1.95 | 1.95 | 1.96 | 1.96 | 1.99 | 1.96 | 1.98 | 1.97 | 1.99 | 1.95 | 2.01 | 1.98 |
| Jul 27 | 1.97 | 1.97 | 1.98 | 1.99 | 2.02 | 2.00 | 1.99 | 1.99 | 1.98 | 1.98 | 1.98 | 1.98 | 1.98 | S | 1.99 | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 2.00 | 2.00 | 2.04 | 2.06 | 1.97 | 2.06 | 1.99 |
| Jul 28 | 2.09 | 2.06 | 2.06 | 2.08 | 2.04 | 2.06 | 2.01 | 2.01 | 2.01 | 2.00 | 2.00 | 1.99 | S | 1.98 | 1.98 | 1.98 | 1.99 | 1.97 | 1.97 | 1.98 | 1.98 | 2.01 | 2.03 | 2.04 | 1.97 | 2.09 | 2.01 |
| Jul 29 | 2.04 | 2.03 | 2.06 | 2.04 | 2.02 | 2.02 | 2.03 | 2.01 | 2.02 | 2.01 | 2.00 | S | 2.04 | 1.97 | 1.97 | 1.98 | 1.97 | 1.98 | 1.97 | 1.97 | 2.03 | 2.15 | 2.02 | 2.10 | 1.97 | 2.15 | 2.02 |
| Jul 30 | **2.21** | 2.13 | 2.03 | 2.00 | 2.03 | 2.08 | 2.20 | 2.05 | 2.01 | 1.99 | S | 1.97 | 1.97 | 1.98 | 1.97 | 1.97 | 1.96 | 1.96 | 1.96 | 1.96 | 1.96 | 2.01 | 2.03 | 2.03 | 1.96 | **2.21** | **2.02** |
| Jul 31 | 2.04 | 2.04 | 2.04 | 2.08 | 2.07 | 2.03 | 2.02 | 2.02 | 1.99 | S | 1.98 | 1.98 | 1.96 | 1.96 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 1.94 | 1.95 | 1.94 | 1.94 | 1.94 | 1.94 | 2.08 | 1.98 |
| Diurnal Maximum | 2.21 | 2.15 | 2.10 | 2.12 | 2.07 | 2.08 | 2.20 | 2.05 | 2.02 | 2.01 | 2.00 | 2.01 | 2.04 | 2.00 | 1.99 | 1.99 | 1.99 | 2.02 | 2.02 | 2.00 | 2.03 | 2.19 | 2.07 | 2.10 | | | |
| Diurnal Average | 1.99 | 1.99 | 1.99 | 1.99 | 2.00 | 1.99 | 1.98 | 1.97 | 1.96 | 1.96 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.96 | 1.98 | 1.97 | 1.98 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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.



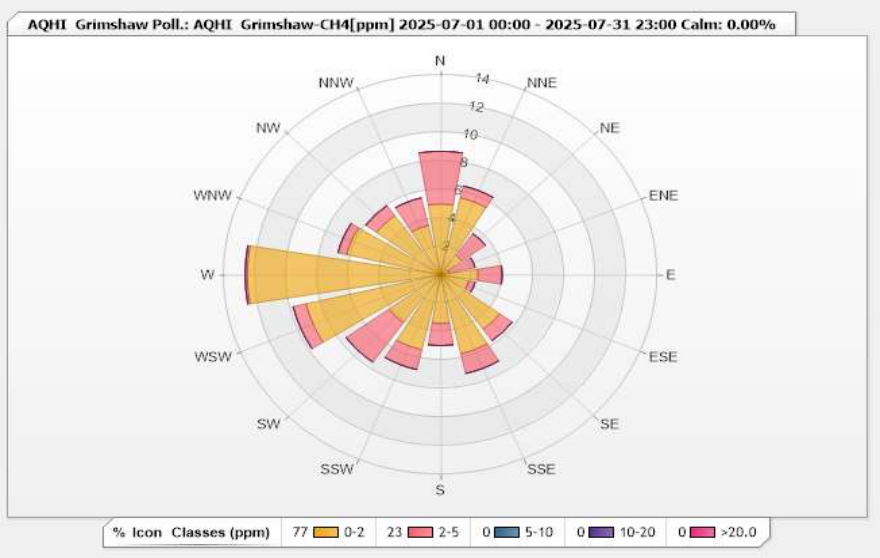



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-CH4[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppm]

| Direction | 0-2 | 2-5 | 5-10 | 10-20 | >20.0 | Total |
|---|---|---|---|---|---|---|
| N | 4.97 | 3.69 | 0 | 0 | 0 | 8.66 |
| NNE | 5.54 | 0.85 | 0 | 0 | 0 | 6.39 |
| NE | 1.7 | 1.85 | 0 | 0 | 0 | 3.55 |
| ENE | 0.57 | 1.7 | 0 | 0 | 0 | 2.27 |
| E | 2.41 | 1.56 | 0 | 0 | 0 | 3.97 |
| ESE | 1.85 | 0.43 | 0 | 0 | 0 | 2.28 |
| SE | 4.69 | 0.99 | 0 | 0 | 0 | 5.68 |
| SSE | 5.68 | 1.42 | 0 | 0 | 0 | 7.1 |
| S | 3.41 | 1.56 | 0 | 0 | 0 | 4.97 |
| SSW | 5.4 | 1.42 | 0 | 0 | 0 | 6.82 |
| SW | 4.12 | 3.41 | 0 | 0 | 0 | 7.53 |
| WSW | 8.95 | 0.85 | 0 | 0 | 0 | 9.8 |
| W | 12.5 | 0.14 | 0 | 0 | 0 | 12.64 |
| WNW | 6.25 | 0.57 | 0 | 0 | 0 | 6.82 |
| NW | 5.11 | 0.85 | 0 | 0 | 0 | 5.96 |
| NNW | 3.55 | 1.99 | 0 | 0 | 0 | 5.54 |
| Summary | 76.7 | 23.28 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*AQHI - Grimshaw Station - July 2025*

**Summary of Hourly Averages**

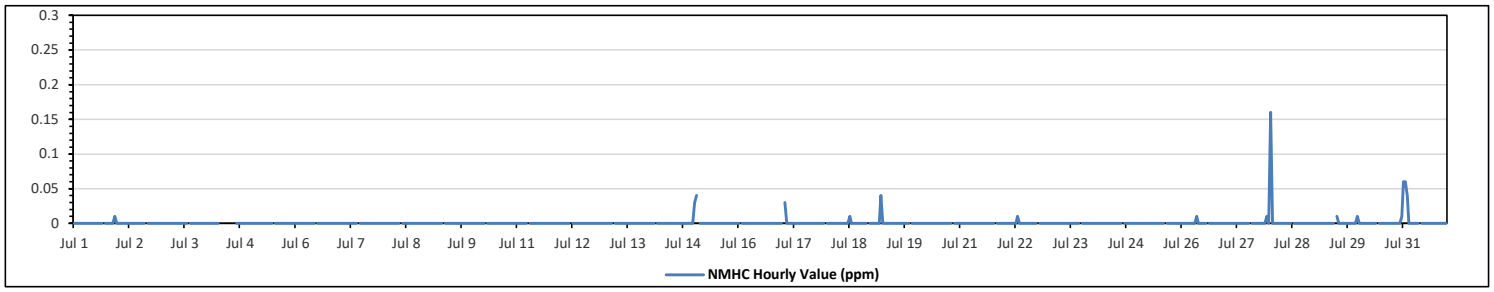
## NON-METHANE HYDROCARBONS (NMHC) in ppm

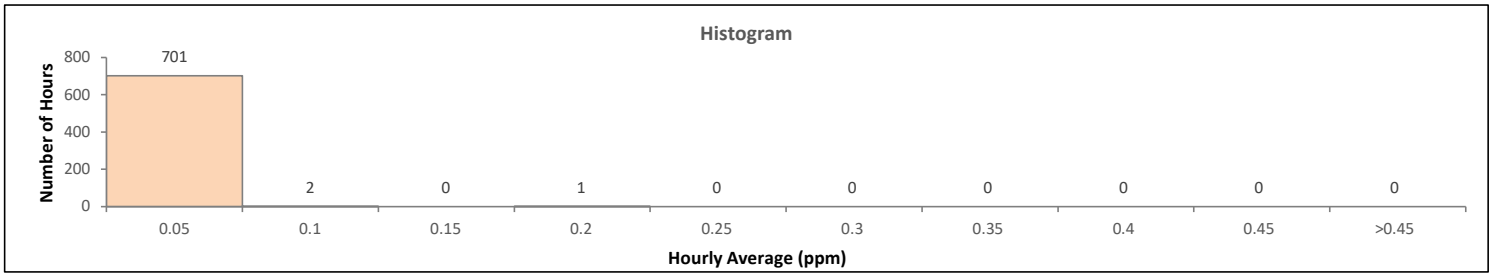
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 0.16 | ppm | on Jul 28 at hr 0 | Hours in Service: | 744 | |
| Maximum Daily Value: | 0.01 | ppm | on Jul 28 | Hours of Data: | 704 | |
| Minimum Hourly Value: | 0.00 | ppm | on Jul 1 at hr 0 | Hours of Missing Data: | 3 | |
| Minimum Daily Value: | 0.00 | ppm | on Jul 2 | Hours of Calibration: | 37 | |
| Monthly Average: | 0.00 | ppm | | Operational Uptime: | 99.6 | |

| 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 | | | |
| Jul 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 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 |
| Jul 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 | 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 |
| Jul 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 | 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 |
| Jul 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | C | C | NRM | NRM | NRM | C | C | C | C | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | NA |
| Jul 5 | 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 |
| Jul 6 | 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 |
| Jul 7 | 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 |
| Jul 8 | 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 |
| Jul 9 | 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 |
| Jul 10 | 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 |
| Jul 11 | 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 |
| Jul 12 | 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 |
| Jul 13 | 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 |
| Jul 14 | 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 |
| Jul 15 | 0.03 | 0.04 | 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 | 0.04 | 0.00 |
| Jul 16 | 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 |
| Jul 17 | S | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.03 | 0.00 |
| Jul 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 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | S | 0.00 | 0.00 | 0.01 | 0.00 |
| Jul 19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 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 | 0.04 | 0.00 |
| Jul 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 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 22 | 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 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Jul 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 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 0.00 | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul 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 | 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 |
| Jul 26 | 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 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Jul 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 | 0.00 | S | 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 |
| Jul 28 | **0.16** | 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 | **0.16** | **0.01** |
| Jul 29 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 |
| Jul 30 | 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 | 0.01 | 0.00 | 0.01 | 0.00 |
| Jul 31 | 0.06 | 0.06 | 0.04 | 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 | 0.06 | **0.01** |
| Diurnal Maximum | 0.16 | 0.06 | 0.04 | 0.00 | 0.00 | 0.04 | 0.00 | 0.01 | 0.01 | 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 | 0.01 | 0.01 | | | |
| Diurnal Average | 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 | 0.00 | 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.



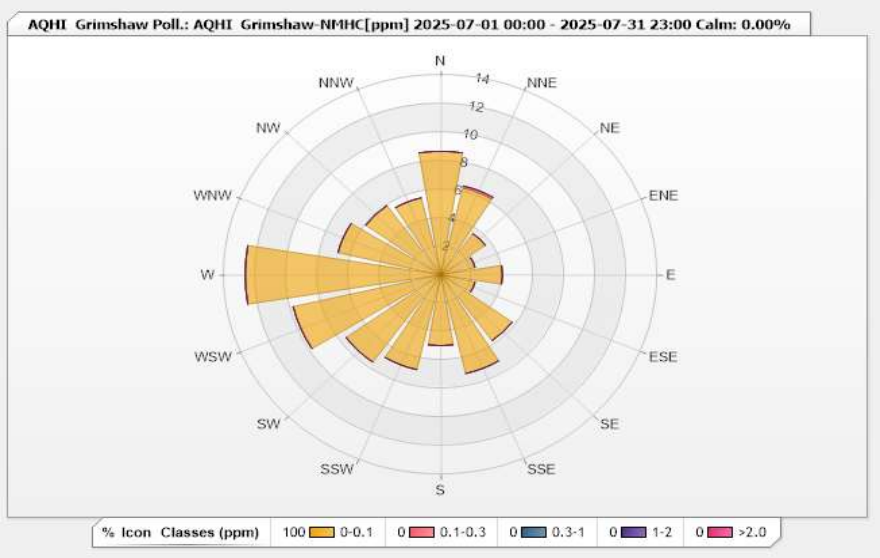



**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-NMHC[ppm] Monthly: 07-2025**

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

Calm: 0.00% Valid Data: 94.62% Calm Avg: 0.00 [ppm]

| Direction | 0-0.1 | 0.1-0.3 | 0.3-1 | 1-2 | >2.0 | Total |
|---|---|---|---|---|---|---|
| N | 8.66 | 0 | 0 | 0 | 0 | 8.66 |
| NNE | 6.25 | 0.14 | 0 | 0 | 0 | 6.39 |
| NE | 3.55 | 0 | 0 | 0 | 0 | 3.55 |
| ENE | 2.27 | 0 | 0 | 0 | 0 | 2.27 |
| E | 3.98 | 0 | 0 | 0 | 0 | 3.98 |
| ESE | 2.27 | 0 | 0 | 0 | 0 | 2.27 |
| SE | 5.68 | 0 | 0 | 0 | 0 | 5.68 |
| SSE | 7.1 | 0 | 0 | 0 | 0 | 7.1 |
| S | 4.97 | 0 | 0 | 0 | 0 | 4.97 |
| SSW | 6.82 | 0 | 0 | 0 | 0 | 6.82 |
| SW | 7.53 | 0 | 0 | 0 | 0 | 7.53 |
| WSW | 9.8 | 0 | 0 | 0 | 0 | 9.8 |
| W | 12.64 | 0 | 0 | 0 | 0 | 12.64 |
| WNW | 6.82 | 0 | 0 | 0 | 0 | 6.82 |
| NW | 5.97 | 0 | 0 | 0 | 0 | 5.97 |
| NNW | 5.54 | 0 | 0 | 0 | 0 | 5.54 |
| Summary | 100 | 0.14 | 0 | 0 | 0 | 100 |



*Peace River Area Monitoring Program*

*AQHI - Grimshaw Station - July 2025*

**Summary of Hourly Averages**

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

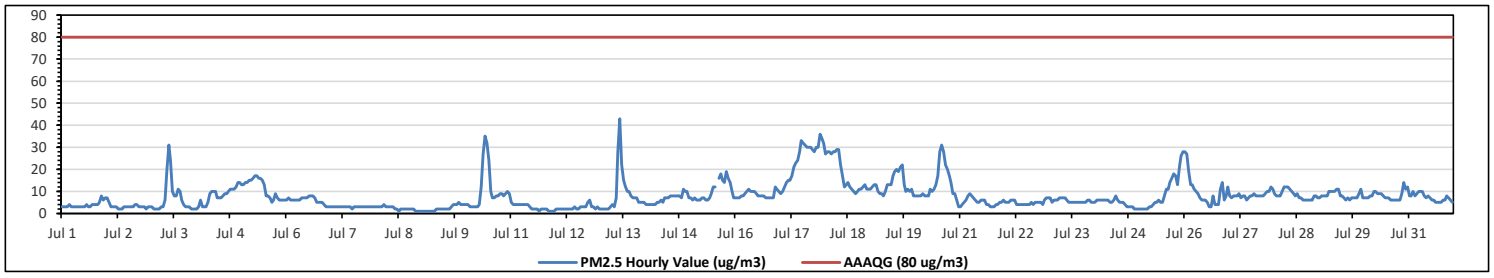
**Alberta Ambient Air Quality Guideline (AAAQG): 1-Hour 80 µg/m3, Alberta Ambient Air Quality Objective (AAAQO): 24-Hour 29 µg/m3**

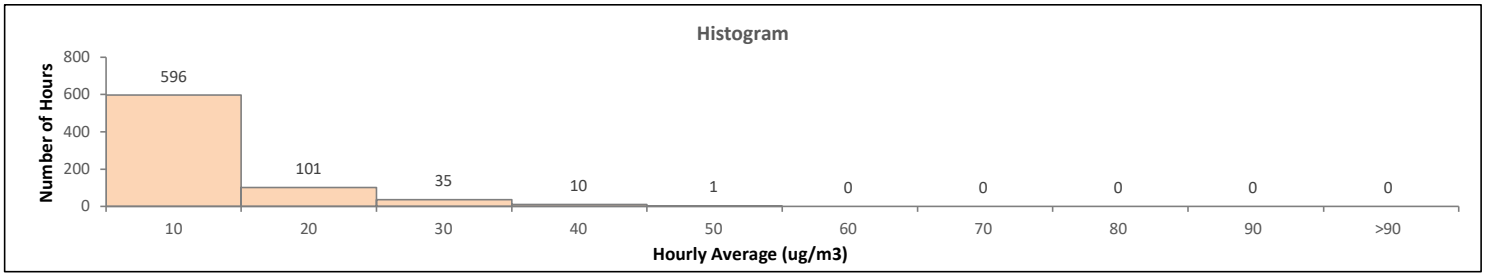
| | | | |
|---|---|---|---|
| Number of 1-Hour Exceedances: | 0 | Number of 24-Hour Exceedances: | 0 |
| Maximum Hourly Value: | 43 µg/m$^3$ on Jul 13 at hr 10 | Hours in Service: | 744 |
| Maximum Daily Value: | 24.7 µg/m$^3$ on Jul 17 | Hours of Data: | 743 |
| Minimum Hourly Value: | 1 µg/m$^3$ on Jul 8 at hr 12 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 2 µg/m$^3$ on Jul 8 | Hours of Calibration: | 1 |
| Monthly Average: | 7.9 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 | | | |
| Jul 1 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 8 | 6 | 7 | 3 | 8 | 3.8 |
| Jul 2 | 7 | 5 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 7 | 3.2 |
| Jul 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 6 | 20 | 31 | 24 | 10 | 8 | 8 | 11 | 10 | 6 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 31 | 7.1 |
| Jul 4 | 2 | 3 | 6 | 3 | 3 | 3 | 5 | 9 | 10 | 10 | 10 | 7 | 7 | 7 | 8 | 9 | 9 | 10 | 11 | 11 | 11 | 12 | 14 | 14 | 2 | 14 | 8.1 |
| Jul 5 | 13 | 13 | 14 | 14 | 15 | 15 | 16 | 17 | 17 | 16 | 16 | 15 | 13 | 8 | 8 | 7 | 5 | 6 | 9 | 7 | 6 | 6 | 6 | 6 | 5 | 17 | 11.2 |
| Jul 6 | 6 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 7 | 5 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 3 | 8 | 5.9 |
| Jul 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3.0 |
| Jul 8 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | **1** | 4 | **2.3** |
| Jul 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 4 | **1** | 5 | 2.3 |
| Jul 10 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 12 | 27 | 35 | 32 | 24 | 10 | 7 | 7 | 8 | 8 | 9 | 9 | 8 | 9 | 10 | 9 | 3 | 35 | 10.5 |
| Jul 11 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | **1** | 5 | 2.7 |
| Jul 12 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 5 | 6 | 3 | 3 | 2 | 3 | 2 | 2 | 6 | 2.6 |
| Jul 13 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 3 | 7 | 28 | **43** | 22 | 15 | 12 | 10 | 10 | 8 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | 2 | **43** | 9.0 |
| Jul 14 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 11 | 10 | 10 | 7 | 4 | 11 | 6.6 |
| Jul 15 | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 7 | 6 | 6 | 7 | 9 | 12 | 12 | **C** | 16 | 18 | 15 | 14 | 19 | 16 | 14 | 10 | 7 | 6 | 19 | 10.1 |
| Jul 16 | 7 | 7 | 7 | 8 | 8 | 9 | 10 | 11 | 10 | 10 | 10 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 | 12 | 11 | 10 | 7 | 12 | 8.6 |
| Jul 17 | 9 | 10 | 12 | 14 | 15 | 15 | 17 | 21 | 23 | 24 | 28 | 33 | 32 | 31 | 30 | 30 | 30 | 29 | 28 | 30 | 30 | 36 | 34 | 32 | 9 | 36 | **24.7** |
| Jul 18 | 27 | 28 | 28 | 27 | 28 | 28 | 29 | 29 | 22 | 17 | 12 | 13 | 14 | 12 | 11 | 10 | 9 | 10 | 11 | 11 | 12 | 13 | 11 | 11 | 9 | 29 | 17.6 |
| Jul 19 | 11 | 12 | 13 | 13 | 10 | 9 | 9 | 8 | 10 | 13 | 13 | 13 | 17 | 19 | 20 | 19 | 21 | 22 | 13 | 10 | 11 | 10 | 11 | 8 | 8 | 22 | 13.1 |
| Jul 20 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 11 | 10 | 11 | 13 | 17 | 28 | 31 | 28 | 22 | 20 | 17 | 14 | 9 | 9 | 6 | 3 | 3 | 31 | 13.1 |
| Jul 21 | 3 | 4 | 5 | 6 | 8 | 9 | 8 | 7 | 6 | 5 | 5 | 6 | 6 | 6 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 3 | 9 | 5.2 |
| Jul 22 | 5 | 5 | 5 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 6 | 7 | 7 | 4 | 7 | 4.9 |
| Jul 23 | 7 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 5 | 5 | 5 | 7 | 5.7 |
| Jul 24 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 | 6 | 8 | 6 | 5 | 5 | 5 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 8 | 4.8 |
| Jul 25 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 5 | 5 | 8 | 11 | 11 | 14 | 16 | 18 | 17 | 13 | 21 | 26 | 28 | 2 | 28 | 9.5 |
| Jul 26 | 28 | 27 | 19 | 13 | 13 | 11 | 10 | 9 | 7 | 6 | 6 | 6 | 5 | 3 | 3 | 8 | 4 | 4 | 4 | 11 | 14 | 6 | 8 | 12 | 3 | 28 | 9.9 |
| Jul 27 | 8 | 7 | 8 | 8 | 8 | 9 | 7 | 8 | 8 | 6 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 8 | 9 | 10 | 10 | 12 | 11 | 6 | 12 | 8.4 |
| Jul 28 | 9 | 8 | 8 | 8 | 10 | 12 | 12 | 12 | 11 | 10 | 9 | 8 | 9 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 7 | 6 | 12 | 8.3 |
| Jul 29 | 7 | 8 | 8 | 8 | 8 | 10 | 10 | 10 | 10 | 11 | 11 | 8 | 8 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 9 | 11 | 7 | 6 | 11 | 8.3 |
| Jul 30 | 7 | 7 | 7 | 8 | 8 | 10 | 10 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 14 | 11 | 12 | 6 | 14 | 8.1 |
| Jul 31 | 8 | 8 | 10 | 8 | 9 | 10 | 10 | 10 | 8 | 7 | 8 | 7 | 6 | 6 | 5 | 5 | 5 | 5 | 6 | 6 | 8 | 7 | 6 | 5 | 5 | 10 | 7.2 |
| Diurnal Maximum | 28 | 28 | 28 | 27 | 28 | 28 | 29 | 29 | 23 | 31 | 43 | 33 | 32 | 31 | 31 | 30 | 30 | 29 | 28 | 30 | 30 | 36 | 34 | 32 | | | |
| Diurnal Average | 7.0 | 6.9 | 6.9 | 6.7 | 7.0 | 7.2 | 7.3 | 7.7 | 8.4 | 9.6 | 10.2 | 9.0 | 8.6 | 8.3 | 8.1 | 8.3 | 7.8 | 7.8 | 7.6 | 7.7 | 7.7 | 8.3 | 8.2 | 7.7 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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.



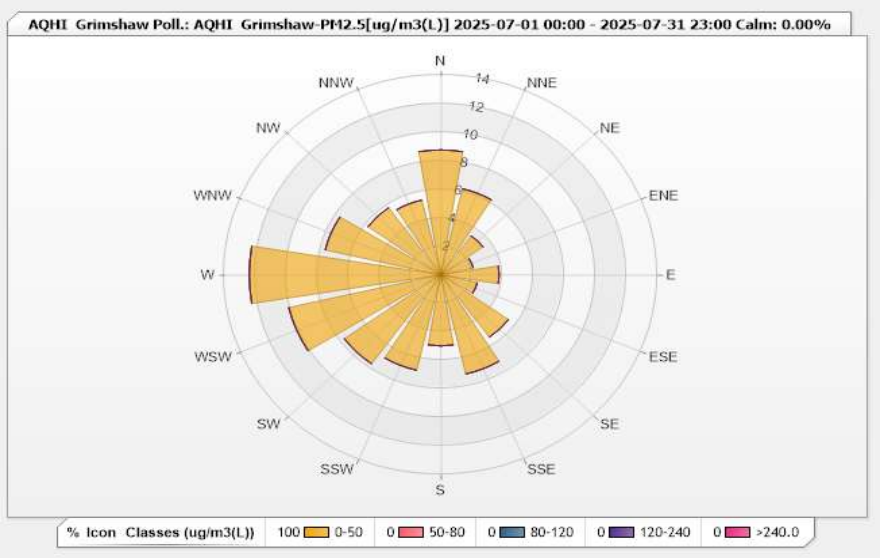
**Station: AQHI Grimshaw Poll.: AQHI Grimshaw-PM2.5[ug/m3(L)] Monthly: 07-2025**

.)]

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 | 8.75 | 0 | 0 | 0 | 0 | 8.75 |
| NNE | 6.19 | 0 | 0 | 0 | 0 | 6.19 |
| NE | 3.36 | 0 | 0 | 0 | 0 | 3.36 |
| ENE | 2.15 | 0 | 0 | 0 | 0 | 2.15 |
| E | 3.77 | 0 | 0 | 0 | 0 | 3.77 |
| ESE | 2.42 | 0 | 0 | 0 | 0 | 2.42 |
| SE | 5.38 | 0 | 0 | 0 | 0 | 5.38 |
| SSE | 7.13 | 0 | 0 | 0 | 0 | 7.13 |
| S | 4.98 | 0 | 0 | 0 | 0 | 4.98 |
| SSW | 6.86 | 0 | 0 | 0 | 0 | 6.86 |
| SW | 7.67 | 0 | 0 | 0 | 0 | 7.67 |
| WSW | 10.09 | 0 | 0 | 0 | 0 | 10.09 |
| W | 12.38 | 0 | 0 | 0 | 0 | 12.38 |
| WNW | 7.67 | 0 | 0 | 0 | 0 | 7.67 |
| NW | 5.79 | 0 | 0 | 0 | 0 | 5.79 |
| NNW | 5.38 | 0 | 0 | 0 | 0 | 5.38 |
| Summary | 100 | 0 | 0 | 0 | 0 | 100 |



***Peace River Area Monitoring Program***

***AQHI - Grimshaw Station - July 2025***

**Summary of Hourly Averages**

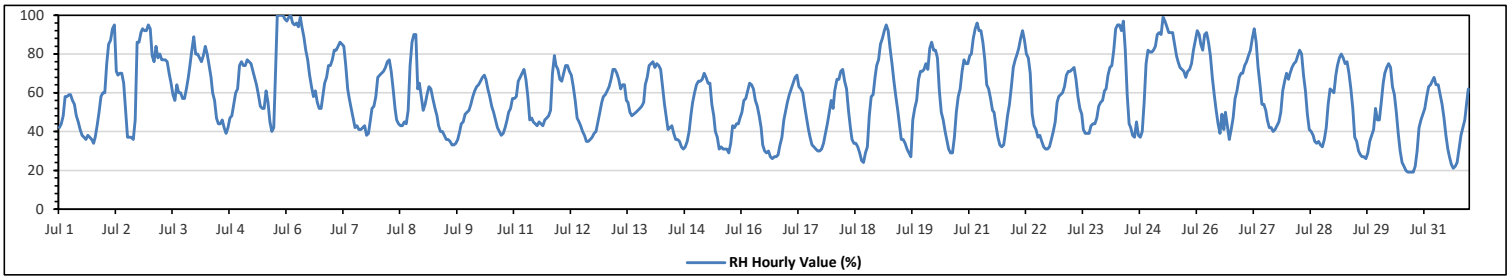
**RELATIVE HUMIDITY (RH) in %**

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 100 | % | on Jul 5 at hr 19 | Hours in Service: | 744 | |
| Maximum Daily Value: | 83.0 | % | on Jul 25 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 19 | % | on Jul 30 at hr 15 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 42.9 | % | on Jul 30 | Hours of Calibration: | 0 | |
| Monthly Average: | 57.9 | % | | 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 | | | |
| Jul 1 | 42 | 44 | 48 | 58 | 58 | 59 | 59 | 56 | 54 | 48 | 45 | 41 | 38 | 37 | 36 | 38 | 37 | 36 | 34 | 37 | 43 | 50 | 58 | 60 | 34 | 60 | 46.5 |
| Jul 2 | 60 | 75 | 85 | 87 | 93 | 95 | 71 | 69 | 70 | 70 | 65 | 51 | 37 | 37 | 37 | 36 | 46 | 86 | 86 | 91 | 93 | 92 | 92 | 95 | 36 | 95 | 71.6 |
| Jul 3 | 93 | 79 | 76 | 84 | 78 | 80 | 77 | 77 | 77 | 76 | 70 | 65 | 59 | 56 | 64 | 60 | 60 | 57 | 57 | 62 | 68 | 74 | 82 | 89 | 56 | 93 | 71.7 |
| Jul 4 | 80 | 80 | 78 | 76 | 79 | 84 | 80 | 74 | 68 | 60 | 56 | 47 | 44 | 44 | 46 | 42 | 39 | 42 | 47 | 48 | 54 | 60 | 62 | 74 | 39 | 84 | 61.0 |
| Jul 5 | 76 | 74 | 74 | 77 | 76 | 75 | 71 | 68 | 64 | 59 | 53 | 52 | 52 | 61 | 55 | 45 | 40 | 42 | 73 | **100** | **100** | **100** | **100** | 98 | 40 | **100** | 70.2 |
| Jul 6 | 97 | 99 | **100** | 96 | 95 | 96 | 94 | 99 | 94 | 89 | 82 | 77 | 69 | 63 | 58 | 61 | 55 | 52 | 52 | 59 | 65 | 68 | 74 | 74 | 52 | **100** | 77.8 |
| Jul 7 | 77 | 82 | 82 | 84 | 86 | 85 | 84 | 74 | 62 | 57 | 52 | 47 | 42 | 43 | 41 | 41 | 42 | 43 | 38 | 39 | 46 | 52 | 53 | 58 | 38 | 86 | 58.8 |
| Jul 8 | 68 | 69 | 70 | 71 | 73 | 76 | 77 | 71 | 62 | 52 | 46 | 44 | 43 | 43 | 45 | 44 | 51 | 74 | 86 | 90 | 90 | 62 | 65 | 58 | 43 | 90 | 63.8 |
| Jul 9 | 51 | 54 | 59 | 63 | 62 | 57 | 52 | 48 | 43 | 40 | 40 | 38 | 36 | 36 | 35 | 33 | 33 | 34 | 36 | 40 | 44 | 45 | 49 | 50 | 33 | 63 | 44.9 |
| Jul 10 | 51 | 54 | 58 | 61 | 63 | 64 | 66 | 68 | 69 | 67 | 62 | 58 | 53 | 50 | 46 | 42 | 40 | 38 | 39 | 42 | 46 | 50 | 52 | 57 | 38 | 69 | 54.0 |
| Jul 11 | 57 | 58 | 66 | 68 | 70 | 72 | 67 | 58 | 46 | 47 | 45 | 44 | 43 | 45 | 44 | 43 | 46 | 47 | 48 | 51 | 70 | 79 | 74 | 72 | 43 | 79 | 56.7 |
| Jul 12 | 67 | 66 | 70 | 74 | 74 | 71 | 69 | 63 | 56 | 47 | 45 | 43 | 40 | 38 | 35 | 35 | 36 | 37 | 39 | 40 | 45 | 50 | 55 | 58 | 35 | 74 | 52.2 |
| Jul 13 | 59 | 61 | 63 | 67 | 72 | 72 | 70 | 67 | 62 | 64 | 64 | 56 | 55 | 50 | 48 | 49 | 50 | 51 | 52 | 53 | 55 | 64 | 68 | 74 | 48 | 74 | 60.3 |
| Jul 14 | 75 | 76 | 73 | 75 | 74 | 72 | 63 | 54 | 47 | 41 | 42 | 43 | 39 | 36 | 36 | 35 | 32 | 31 | 32 | 35 | 40 | 49 | 55 | 60 | 31 | 76 | 50.6 |
| Jul 15 | 64 | 66 | 66 | 67 | 70 | 68 | 65 | 65 | 54 | 48 | 40 | 37 | 31 | 32 | 31 | 31 | 31 | 29 | 34 | 43 | 42 | 44 | 44 | 47 | 29 | 70 | 47.9 |
| Jul 16 | 50 | 56 | 57 | 61 | 65 | 64 | 62 | 56 | 53 | 48 | 42 | 33 | 30 | 29 | 30 | 27 | 26 | 27 | 27 | 28 | 33 | 37 | 46 | 51 | 26 | 65 | 43.3 |
| Jul 17 | 55 | 59 | 62 | 65 | 68 | 69 | 63 | 62 | 60 | 53 | 47 | 41 | 37 | 33 | 32 | 31 | 30 | 30 | 31 | 34 | 39 | 44 | 50 | 56 | 30 | 69 | 48.0 |
| Jul 18 | 52 | 61 | 67 | 67 | 71 | 72 | 66 | 62 | 51 | 42 | 36 | 34 | 34 | 32 | 29 | 25 | 24 | 29 | 32 | 48 | 58 | 59 | 68 | 74 | 24 | 74 | 49.7 |
| Jul 19 | 77 | 85 | 88 | 92 | 95 | 92 | 83 | 75 | 66 | 58 | 51 | 44 | 36 | 36 | 34 | 31 | 29 | 27 | 46 | 52 | 56 | 67 | 71 | 71 | 27 | 95 | 60.9 |
| Jul 20 | 72 | 75 | 72 | 83 | 86 | 82 | 82 | 78 | 61 | 50 | 46 | 40 | 36 | 31 | 29 | 29 | 37 | 50 | 58 | 62 | 71 | 77 | 75 | 75 | 29 | 86 | 60.7 |
| Jul 21 | 79 | 80 | 88 | 93 | 96 | 92 | 92 | 86 | 77 | 64 | 62 | 57 | 51 | 50 | 43 | 37 | 33 | 32 | 33 | 40 | 48 | 54 | 63 | 73 | 32 | 96 | 63.5 |
| Jul 22 | 77 | 80 | 83 | 88 | 92 | 87 | 80 | 78 | 70 | 49 | 43 | 41 | 37 | 38 | 35 | 32 | 31 | 31 | 32 | 36 | 40 | 45 | 55 | 58 | 31 | 92 | 55.8 |
| Jul 23 | 59 | 60 | 63 | 69 | 71 | 71 | 72 | 73 | 67 | 58 | 52 | 49 | 41 | 39 | 39 | 39 | 43 | 44 | 44 | 47 | 53 | 55 | 56 | 61 | 39 | 73 | 55.2 |
| Jul 24 | 62 | 69 | 73 | 74 | 82 | 93 | 95 | 95 | 92 | 97 | 82 | 59 | 44 | 42 | 38 | 37 | 45 | 38 | 37 | 40 | 55 | 75 | 82 | 81 | 37 | 97 | 66.1 |
| Jul 25 | 81 | 82 | 84 | 90 | 91 | 90 | 99 | 97 | 94 | 91 | 91 | 91 | 85 | 79 | 76 | 73 | 72 | 71 | 68 | 71 | 72 | 75 | 82 | 87 | 68 | 99 | **83.0** |
| Jul 26 | 92 | 90 | 85 | 82 | 90 | 91 | 86 | 79 | 68 | 59 | 51 | 44 | 39 | 49 | 41 | 50 | 43 | 36 | 41 | 47 | 57 | 61 | 68 | 70 | 36 | 92 | 63.3 |
| Jul 27 | 70 | 74 | 76 | 79 | 82 | 88 | 93 | 86 | 73 | 64 | 54 | 54 | 51 | 46 | 42 | 42 | 40 | 41 | 43 | 45 | 50 | 61 | 66 | 70 | 40 | 93 | 62.1 |
| Jul 28 | 67 | 70 | 73 | 75 | 76 | 79 | 82 | 80 | 69 | 61 | 49 | 41 | 40 | 38 | 35 | 34 | 35 | 33 | 32 | 36 | 42 | 54 | 62 | 61 | 32 | 82 | 55.2 |
| Jul 29 | 60 | 69 | 74 | 78 | 80 | 78 | 75 | 76 | 70 | 62 | 52 | 37 | 35 | 30 | 28 | 27 | 27 | 26 | 29 | 35 | 38 | 41 | 52 | 46 | 26 | 80 | 51.0 |
| Jul 30 | 46 | 55 | 65 | 70 | 73 | 75 | 73 | 63 | 59 | 50 | 39 | 30 | 24 | 22 | 20 | **19** | **19** | **19** | **19** | 22 | 30 | 42 | 46 | 49 | **19** | 75 | **42.9** |
| Jul 31 | 52 | 58 | 63 | 64 | 66 | 68 | 64 | 64 | 59 | 54 | 47 | 38 | 31 | 27 | 23 | 21 | 22 | 24 | 31 | 38 | 42 | 46 | 55 | 62 | 21 | 68 | 46.6 |
| Diurnal Maximum | 97 | 99 | 100 | 96 | 96 | 96 | 99 | 99 | 94 | 97 | 91 | 91 | 85 | 79 | 76 | 73 | 72 | 86 | 86 | 100 | 100 | 100 | 100 | 98 | | | |
| Diurnal Average | 66.7 | 69.7 | 72.3 | 75.4 | 77.6 | 78.0 | 75.2 | 71.6 | 65.1 | 58.9 | 53.3 | 47.6 | 43.0 | 41.7 | 39.7 | 38.4 | 38.5 | 40.5 | 43.7 | 48.7 | 54.4 | 59.1 | 63.9 | 66.7 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025***

**Summary of Hourly Averages**

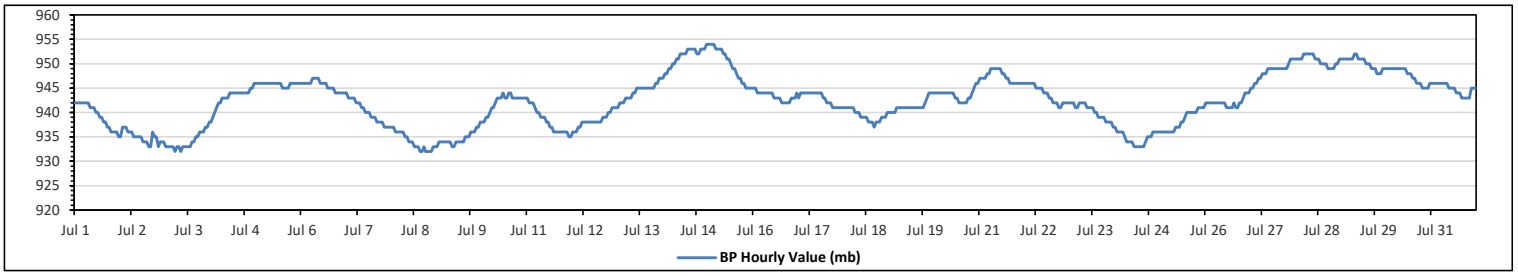
**BAROMETRIC PRESSURE (BP) in millibar**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 954 | mb | on Jul 14 at hr 23 | Hours in Service: | 744 |
| Maximum Daily Value: | 951 | mb | on Jul 14 | Hours of Data: | 744 |
| Minimum Hourly Value: | 932 | mb | on Jul 3 at hr 5 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 934 | mb | on Jul 8 | Hours of Calibration: | 0 |
| Monthly Average: | 942 | 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 |
| Jul 1 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 936 | 936 | 936 | 935 | 935 | 942 | 939 |
| Jul 2 | 935 | 937 | 937 | 937 | 936 | 936 | 936 | 935 | 935 | 935 | 935 | 935 | 934 | 934 | 934 | 933 | 933 | 936 | 935 | 935 | 933 | 934 | 934 | 934 | 933 | 937 | 935 |
| Jul 3 | 933 | 933 | 933 | 933 | 933 | **932** | 933 | 933 | **932** | 933 | 933 | 933 | 933 | 933 | 934 | 934 | 935 | 935 | 936 | 936 | 936 | 937 | 937 | 938 | **932** | 938 | 934 |
| Jul 4 | 938 | 939 | 940 | 941 | 942 | 942 | 943 | 943 | 943 | 943 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 945 | 945 | 946 | 938 | 946 | 943 |
| Jul 5 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 946 | 946 |
| Jul 6 | 946 | 946 | 946 | 946 | 946 | 946 | 947 | 947 | 947 | 947 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 947 | 946 |
| Jul 7 | 944 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 938 | 938 | 937 | 937 | 937 | 937 | 937 | 944 | 940 |
| Jul 8 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 935 | 935 | 934 | 934 | 934 | 933 | 933 | 933 | **932** | **932** | 933 | **932** | **932** | **932** | **932** | 933 | 933 | **932** | 937 | **934** |
| Jul 9 | 933 | 934 | 934 | 934 | 934 | 934 | 934 | 934 | 933 | 933 | 934 | 934 | 934 | 934 | 934 | 935 | 935 | 935 | 936 | 936 | 936 | 937 | 937 | 938 | 933 | 938 | 935 |
| Jul 10 | 938 | 938 | 939 | 939 | 940 | 941 | 941 | 942 | 943 | 943 | 943 | 944 | 943 | 943 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 938 | 944 | 942 |
| Jul 11 | 943 | 942 | 942 | 942 | 941 | 940 | 940 | 939 | 939 | 939 | 938 | 938 | 937 | 937 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 935 | 935 | 935 | 943 | 938 |
| Jul 12 | 936 | 936 | 936 | 937 | 937 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 938 | 939 | 939 | 939 | 940 | 940 | 941 | 941 | 941 | 936 | 941 | 938 |
| Jul 13 | 941 | 942 | 942 | 942 | 943 | 943 | 943 | 943 | 944 | 944 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 946 | 946 | 947 | 947 | 941 | 947 | 944 |
| Jul 14 | 947 | 948 | 948 | 949 | 949 | 950 | 950 | 951 | 951 | 952 | 952 | 952 | 952 | 953 | 953 | 953 | 953 | 953 | 952 | 952 | 953 | 953 | 953 | **954** | 947 | **954** | **951** |
| Jul 15 | **954** | **954** | **954** | **954** | 953 | 953 | 953 | 953 | 952 | 952 | 951 | 951 | 950 | 949 | 949 | 948 | 947 | 947 | 946 | 946 | 945 | 945 | 945 | 945 | 945 | **954** | 950 |
| Jul 16 | 945 | 945 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 943 | 944 | 942 | 945 | 943 |
| Jul 17 | 943 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 943 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 941 | 941 | 944 | 943 |
| Jul 18 | 941 | 941 | 941 | 941 | 941 | 941 | 940 | 940 | 940 | 939 | 939 | 939 | 939 | 938 | 938 | 938 | 937 | 938 | 938 | 938 | 939 | 939 | 939 | 940 | 937 | 941 | 939 |
| Jul 19 | 940 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 941 | 942 | 943 | 944 | 944 | 944 | 940 | 944 | 941 |
| Jul 20 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 944 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | 943 | 944 | 945 | 946 | 942 | 946 | 944 |
| Jul 21 | 947 | 947 | 947 | 947 | 948 | 948 | 949 | 949 | 949 | 949 | 949 | 949 | 948 | 948 | 947 | 947 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 949 | 947 |
| Jul 22 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 943 | 943 | 942 | 942 | 942 | 941 | 941 | 942 | 942 | 942 | 942 | 941 | 946 | 944 |
| Jul 23 | 942 | 942 | 942 | 941 | 941 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 940 | 940 | 939 | 939 | 939 | 939 | 938 | 938 | 938 | 938 | 937 | 937 | 942 | 940 |
| Jul 24 | 937 | 936 | 936 | 936 | 936 | 935 | 934 | 934 | 934 | 934 | 933 | 933 | 933 | 933 | 933 | 933 | 934 | 935 | 935 | 935 | 936 | 936 | 936 | 936 | 933 | 937 | 935 |
| Jul 25 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 936 | 937 | 937 | 937 | 938 | 938 | 939 | 940 | 940 | 940 | 940 | 940 | 940 | 941 | 941 | 941 | 941 | 936 | 941 | 938 |
| Jul 26 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 941 | 941 | 941 | 941 | 942 | 941 | 941 | 942 | 942 | 943 | 944 | 944 | 944 | 941 | 944 | 942 |
| Jul 27 | 945 | 945 | 946 | 946 | 947 | 947 | 948 | 948 | 948 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 950 | 951 | 951 | 945 | 951 | 948 |
| Jul 28 | 951 | 951 | 951 | 951 | 952 | 952 | 952 | 952 | 952 | 952 | 951 | 951 | 951 | 950 | 950 | 950 | 950 | 949 | 949 | 949 | 949 | 950 | 950 | 951 | 949 | 952 | 951 |
| Jul 29 | 951 | 951 | 951 | 951 | 951 | 951 | 951 | 952 | 952 | 951 | 951 | 951 | 951 | 950 | 950 | 950 | 949 | 949 | 949 | 948 | 948 | 948 | 949 | 949 | 948 | 952 | 950 |
| Jul 30 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 949 | 948 | 948 | 948 | 947 | 947 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 946 | 945 | 949 | 948 |
| Jul 31 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 946 | 945 | 945 | 945 | 945 | 944 | 944 | 944 | 943 | 943 | 943 | 943 | 943 | 945 | 945 | 945 | 943 | 946 | 945 |
| Diurnal Maximum | 954 | 954 | 954 | 954 | 953 | 953 | 953 | 953 | 952 | 952 | 952 | 952 | 952 | 953 | 953 | 953 | 953 | 953 | 952 | 952 | 953 | 953 | 953 | 954 | | | |
| Diurnal Average | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 943 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 942 | 943 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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 - July 2025***

**Summary of Hourly Averages**

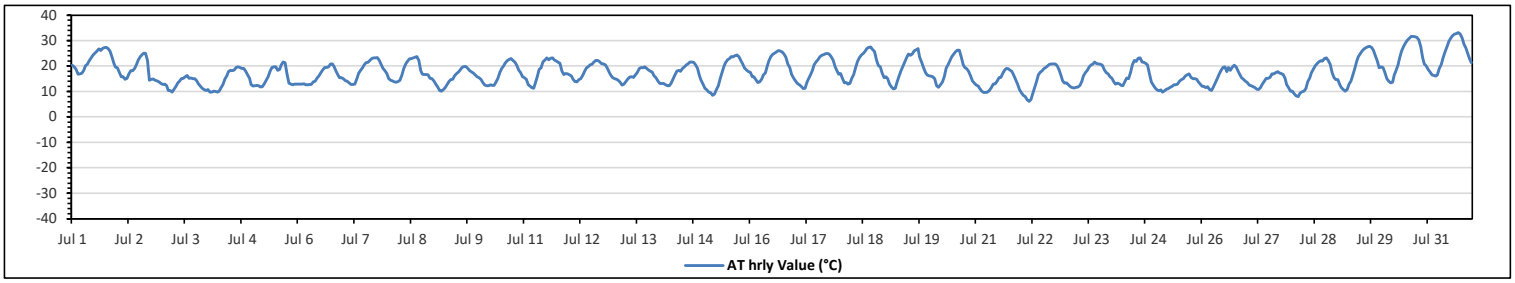
## AMBIENT TEMPERATURE (AT) in Degree Celsius

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 33.2 | °C | on Jul 31 at hr 16 | Hours in Service: | 744 | |
| Maximum Daily Value: | 24.9 | °C | on Jul 31 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 6.1 | °C | on Jul 22 at hr 4 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 13.1 | °C | on Jul 3 | Hours of Calibration: | 0 | |
| Monthly Average: | 17.5 | °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 | | | |
| Jul 1 | 20.3 | 19.7 | 18.7 | 16.8 | 17 | 17.2 | 18.4 | 20 | 20.7 | 22.1 | 23.2 | 24.4 | 25.1 | 25.9 | 26.7 | 26.1 | 26.8 | 27.2 | 27.4 | 26.9 | 25.8 | 23.6 | 21.1 | 19.6 | 16.8 | 27.4 | 22.5 |
| Jul 2 | 19.3 | 17.5 | 15.9 | 15.9 | 14.8 | 15.2 | 16.9 | 18.2 | 18.2 | 19.1 | 20.7 | 22.4 | 23.6 | 24.5 | 25.1 | 25 | 22.3 | 14.5 | 14.7 | 14.9 | 14.4 | 14.2 | 13.8 | 13.2 | 13.2 | 25.1 | 18.1 |
| Jul 3 | 12.8 | 13 | 12.3 | 10.5 | 10.5 | 9.8 | 10.9 | 12 | 13.4 | 14.1 | 15 | 15.2 | 15.9 | 16.3 | 15.2 | 15.3 | 15.1 | 15 | 14.2 | 13.1 | 12.1 | 11.3 | 10.8 | 10.5 | 9.8 | 16.3 | **13.1** |
| Jul 4 | 10.8 | 9.8 | 9.8 | 10.2 | 10 | 9.7 | 10.2 | 11.5 | 12.8 | 14.9 | 16.1 | 17.8 | 18.3 | 18.2 | 18.5 | 19.4 | 19.8 | 19.5 | 19 | 19 | 18 | 16.5 | 15.2 | 12.6 | 9.7 | 19.8 | 14.9 |
| Jul 5 | 12.1 | 12.2 | 12.4 | 12.3 | 11.8 | 11.9 | 13.1 | 14.4 | 15.9 | 17.9 | 19.4 | 19.7 | 19.7 | 18.4 | 18.7 | 20.5 | 21.5 | 21.3 | 16.9 | 13.3 | 12.9 | 12.7 | 12.9 | 13 | 11.8 | 21.5 | 15.6 |
| Jul 6 | 13 | 12.9 | 12.9 | 13.1 | 12.7 | 12.6 | 12.8 | 12.8 | 13.8 | 14 | 15.3 | 16.1 | 17.4 | 18.6 | 19.4 | 19.5 | 19.8 | 20.8 | 20.8 | 19.9 | 18.1 | 16.5 | 15.4 | 15.5 | 12.6 | 20.8 | 16.0 |
| Jul 7 | 15.1 | 14.3 | 14.1 | 13.4 | 12.8 | 12.8 | 13 | 14.9 | 17.2 | 18.3 | 19.3 | 20.5 | 21.3 | 21.4 | 22.2 | 22.9 | 23.2 | 23.2 | 23.3 | 22.4 | 20.7 | 19.1 | 18.2 | 17.1 | 12.8 | 23.3 | 18.4 |
| Jul 8 | 15.1 | 14.5 | 14.2 | 13.8 | 13.6 | 13.9 | 14.5 | 16.4 | 19 | 20.8 | 22 | 22.8 | 23 | 23.2 | 23.5 | 23.8 | 22.3 | 18.2 | 16.8 | 16.7 | 16.7 | 16.6 | 15.2 | 15 | 13.6 | 23.8 | 18.0 |
| Jul 9 | 14.2 | 12.9 | 11.8 | 10.5 | 10.1 | 10.8 | 11.7 | 12.7 | 13.9 | 14.6 | 14.8 | 16 | 16.9 | 17.6 | 18.5 | 19.4 | 19.9 | 19.9 | 19.1 | 18.2 | 17.7 | 17.2 | 16.4 | 15.8 | 10.1 | 19.9 | 15.4 |
| Jul 10 | 15.5 | 14.7 | 13.5 | 12.5 | 12.3 | 12.2 | 12.7 | 12.4 | 12.4 | 13.6 | 15.2 | 17.4 | 19 | 20.1 | 21.2 | 22.1 | 22.6 | 22.9 | 22.3 | 21.6 | 20.3 | 18.5 | 17.4 | 15.9 | 12.2 | 22.9 | 17.0 |
| Jul 11 | 15.5 | 14.8 | 12.7 | 12.1 | 11.5 | 11.3 | 13.3 | 15.8 | 18.7 | 19.3 | 21.7 | 22.4 | 23.2 | 22.5 | 23.1 | 23.2 | 22.4 | 21.9 | 21.4 | 21.1 | 18.1 | 16.7 | 17.1 | 17 | 11.3 | 23.2 | 18.2 |
| Jul 12 | 16.5 | 16 | 14.8 | 13.9 | 13.8 | 14.6 | 15 | 16.3 | 17.9 | 19.3 | 19.8 | 20.4 | 20.7 | 21.5 | 22.2 | 22.2 | 21.7 | 21 | 20.9 | 20.4 | 19.2 | 17.5 | 16.2 | 15.4 | 13.8 | 22.2 | 18.2 |
| Jul 13 | 15 | 14.7 | 14.4 | 13.6 | 12.5 | 13 | 13.9 | 14.9 | 15.7 | 15.8 | 15.6 | 16.5 | 17.5 | 19 | 19.4 | 19.3 | 19.7 | 19 | 18.5 | 18 | 17.7 | 16.1 | 15.5 | 14.2 | 12.5 | 19.7 | 16.2 |
| Jul 14 | 13.2 | 13.2 | 13.2 | 12.6 | 12.3 | 12.2 | 13.2 | 14.8 | 16.4 | 17.9 | 18.3 | 17.9 | 19.1 | 19.7 | 20.4 | 21 | 21.5 | 21.5 | 21.4 | 20.5 | 19 | 16.1 | 14.5 | 12.9 | 12.2 | 21.5 | 16.8 |
| Jul 15 | 11.3 | 10.6 | 9.8 | 9.5 | 8.5 | 9.1 | 10.7 | 12.2 | 15.2 | 17.7 | 20 | 21.4 | 22.5 | 23 | 23.8 | 23.6 | 24 | 24.3 | 23.8 | 22.2 | 20.8 | 19.2 | 18.5 | 17.8 | 8.5 | 24.3 | 17.5 |
| Jul 16 | 17.5 | 15.9 | 15.9 | 14.6 | 13.5 | 13.8 | 14.8 | 16.5 | 17.3 | 20 | 22.1 | 23.8 | 24.6 | 25.1 | 25.6 | 26.1 | 25.9 | 25.4 | 24.8 | 23.5 | 20.9 | 19.4 | 16.7 | 15.3 | 13.5 | 26.1 | 20.0 |
| Jul 17 | 14.2 | 13.2 | 12.6 | 12 | 11.2 | 11.3 | 13.6 | 15.1 | 16.5 | 18.3 | 20.4 | 21.6 | 22.5 | 23.6 | 24.2 | 24.5 | 24.9 | 25 | 24.6 | 23.6 | 22.3 | 19.7 | 18.4 | 16.8 | 11.2 | 25.0 | 18.8 |
| Jul 18 | 17.1 | 15.1 | 13.4 | 13.5 | 13 | 13.2 | 15.2 | 16.7 | 19.5 | 21.8 | 23.4 | 24.3 | 25 | 25.9 | 26.9 | 27.4 | 27.5 | 26.5 | 25.7 | 22.5 | 20.2 | 19.7 | 17.2 | 15.5 | 13.0 | 27.5 | 20.3 |
| Jul 19 | 15.8 | 15.1 | 13 | 11.8 | 11 | 11.3 | 13.5 | 15.9 | 17.9 | 19.8 | 21.4 | 23.2 | 24.7 | 24.2 | 24.7 | 26 | 26.4 | 26.9 | 23.5 | 21.5 | 19.5 | 17.6 | 16.5 | 16.1 | 11.0 | 26.9 | 19.1 |
| Jul 20 | 16 | 15.9 | 15.1 | 12.2 | 11.7 | 12.6 | 13.7 | 15.8 | 19.2 | 20.6 | 22 | 23.6 | 24.6 | 25.6 | 26.3 | 26.3 | 23.6 | 20.6 | 19.5 | 18.9 | 17.9 | 16.2 | 14.2 | 13.3 | 11.7 | 26.3 | 18.6 |
| Jul 21 | 12.5 | 12.1 | 11.1 | 10.2 | 9.6 | 9.6 | 9.8 | 10.4 | 11.5 | 13 | 13.1 | 14 | 15.5 | 15.6 | 16.9 | 18.3 | 19 | 18.9 | 18.5 | 17.9 | 16.4 | 14.6 | 13 | 10.8 | 9.6 | 19.0 | 13.8 |
| Jul 22 | 9.5 | 8.5 | 8 | 6.7 | **6.1** | 6.9 | 9.1 | 11.4 | 13.8 | 16.6 | 17.6 | 18.2 | 18.9 | 19.4 | 20 | 20.7 | 20.8 | 20.9 | 20.9 | 20.1 | 18.5 | 16.2 | 14.2 | 13.3 | **6.1** | 20.9 | 14.8 |
| Jul 23 | 13.4 | 12.7 | 11.9 | 11.5 | 11.4 | 11.7 | 11.8 | 12.4 | 14.1 | 16.2 | 17.4 | 18.4 | 19.7 | 20.4 | 20.7 | 21.5 | 21 | 20.9 | 20.7 | 20.3 | 18.6 | 17.4 | 16.9 | 15.9 | 11.4 | 21.5 | 16.5 |
| Jul 24 | 15.2 | 13.8 | 13 | 13.3 | 13.1 | 12.4 | 12.3 | 13.8 | 15.3 | 15 | 17.4 | 20.6 | 22.2 | 21.8 | 23.1 | 23.2 | 21.5 | 21.4 | 21.1 | 20.4 | 17.1 | 13.8 | 12.5 | 11.4 | 11.4 | 23.2 | 16.9 |
| Jul 25 | 10.6 | 10.3 | 10.6 | 9.7 | 10.3 | 10.9 | 11.2 | 11.7 | 12 | 12.6 | 12.7 | 12.9 | 14 | 14.6 | 15 | 16 | 16.6 | 17 | 15.6 | 15.1 | 15 | 14.7 | 13.8 | 13 | 9.7 | 17.0 | 13.2 |
| Jul 26 | 12 | 12 | 11.6 | 11.9 | 10.8 | 10.5 | 11.8 | 13.4 | 15.1 | 16.8 | 18.3 | 19.4 | 19.8 | 17.8 | 19.5 | 18.3 | 19.6 | 20.3 | 19.7 | 18.1 | 16.5 | 15.5 | 14.7 | 14.1 | 10.5 | 20.3 | 15.7 |
| Jul 27 | 13.5 | 12.5 | 12.2 | 11.9 | 11.5 | 10.9 | 10.8 | 11.6 | 12.9 | 14 | 15.2 | 15.2 | 15.6 | 17 | 17 | 17.4 | 17.8 | 17.3 | 17.1 | 16.7 | 15.2 | 12.6 | 11.5 | 10.2 | 10.2 | 17.8 | 14.1 |
| Jul 28 | 10.1 | 9.1 | 8.2 | 8 | 9.3 | 9.9 | 10.2 | 11.1 | 13.9 | 15.3 | 17.3 | 18.7 | 20 | 21 | 21.6 | 22.1 | 21.9 | 23 | 23.2 | 22.3 | 20.7 | 17.4 | 15.4 | 14.6 | 8.0 | 23.2 | 16.0 |
| Jul 29 | 14.6 | 12.7 | 11.5 | 10.7 | 10.1 | 10.7 | 12.9 | 14.2 | 16.5 | 19.1 | 21.9 | 23.7 | 24.9 | 26 | 26.7 | 27.2 | 27.7 | 27.8 | 27.4 | 26.2 | 24.1 | 22.1 | 19.3 | 19.7 | 10.1 | 27.8 | 19.9 |
| Jul 30 | 19.5 | 17.4 | 15 | 14 | 13.4 | 13.7 | 16.4 | 18.4 | 20.4 | 23.2 | 25.8 | 27.7 | 29 | 30.1 | 30.9 | 31.7 | 31.7 | 31.5 | 31.3 | 30.3 | 27.7 | 23.2 | 20.9 | 20 | 13.4 | 31.7 | 23.5 |
| Jul 31 | 18.7 | 17.7 | 16.6 | 16.3 | 16 | 16.6 | 19 | 20.6 | 23.4 | 25.6 | 27.7 | 29.7 | 31 | 31.9 | 32.5 | 32.8 | **33.2** | 32.6 | 31.1 | 28.6 | 27.1 | 24.9 | 22.7 | 21.3 | 16.0 | **33.2** | **24.9** |
| Diurnal Maximum | 20.3 | 19.7 | 18.7 | 16.8 | 17.0 | 17.2 | 19.0 | 20.6 | 23.4 | 25.6 | 27.7 | 29.7 | 31.0 | 31.9 | 32.5 | 32.8 | 33.2 | 32.6 | 31.3 | 30.3 | 27.7 | 24.9 | 22.7 | 21.3 | | | |
| Diurnal Average | 14.5 | 13.7 | 12.9 | 12.2 | 11.8 | 12.0 | 13.1 | 14.5 | 16.1 | 17.7 | 19.0 | 20.2 | 21.1 | 21.6 | 22.2 | 22.7 | 22.6 | 22.1 | 21.5 | 20.5 | 19.0 | 17.3 | 16.0 | 15.1 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **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***

***AQHI - Grimshaw Station - July 2025***

**Summary of Hourly Averages**

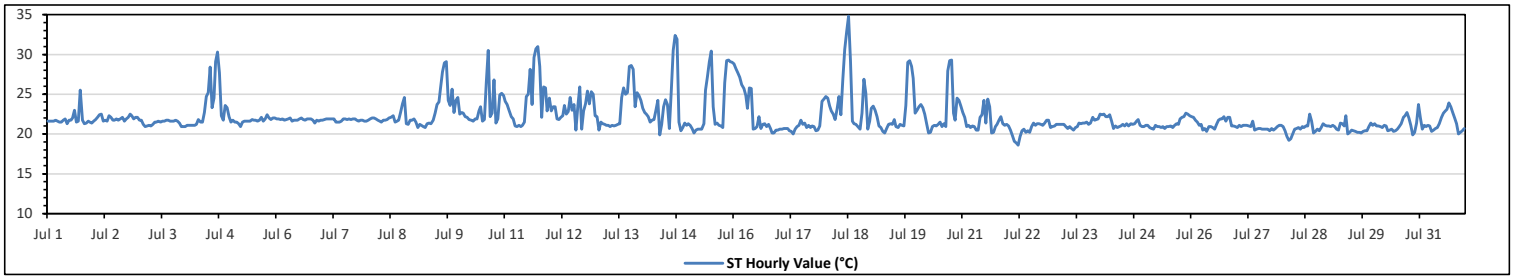
**STATION TEMPERATURE (ST) in Degree Celsius**

| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 34.8 | °C | on Jul 18 at hr 12 | Hours in Service: | 744 | |
| Maximum Daily Value: | 24.4 | °C | on Jul 18 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 18.6 | °C | on Jul 22 at hr 5 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 20.6 | °C | on Jul 22 | Hours of Calibration: | 0 | |
| Monthly Average: | 22.2 | °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 | | | |
| Jul 1 | 21.6 | 21.6 | 21.6 | 21.6 | 21.7 | 21.6 | 21.5 | 21.5 | 21.7 | 21.9 | 21.3 | 21.7 | 21.7 | 22.0 | 23.0 | 21.5 | 21.6 | 25.5 | 21.7 | 21.3 | 21.4 | 21.6 | 21.5 | 21.4 | 21.3 | 25.5 | 21.8 |
| Jul 2 | 21.6 | 21.8 | 22.1 | 22.4 | 22.5 | 21.6 | 21.7 | 21.6 | 22.3 | 22.1 | 21.7 | 21.7 | 21.9 | 21.7 | 21.9 | 22.1 | 21.6 | 21.9 | 22.1 | 22.5 | 22.3 | 21.9 | 22.1 | 22.1 | 21.6 | 22.5 | 22.0 |
| Jul 3 | 21.7 | 21.7 | 21.2 | 20.9 | 21.0 | 21.1 | 21.0 | 21.2 | 21.5 | 21.5 | 21.6 | 21.5 | 21.6 | 21.6 | 21.7 | 21.7 | 21.6 | 21.6 | 21.6 | 21.7 | 21.6 | 21.4 | 20.9 | 20.9 | 20.9 | 21.7 | 21.4 |
| Jul 4 | 20.9 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.2 | 21.8 | 21.5 | 21.5 | 22.7 | 24.7 | 25.2 | 28.4 | 23.3 | 24.5 | 29.1 | 30.3 | 27.7 | 22.3 | 21.7 | 23.6 | 23.3 | 22.2 | 20.9 | 30.3 | 23.4 |
| Jul 5 | 21.5 | 21.7 | 21.5 | 21.5 | 21.3 | 20.9 | 21.5 | 21.6 | 21.6 | 21.6 | 21.6 | 21.8 | 21.7 | 21.7 | 21.6 | 21.7 | 22.1 | 21.6 | 21.9 | 22.4 | 22.0 | 21.8 | 22.0 | 22.0 | 20.9 | 22.4 | 21.7 |
| Jul 6 | 21.9 | 21.9 | 21.8 | 21.9 | 21.7 | 21.8 | 21.9 | 22.0 | 21.6 | 21.7 | 21.7 | 21.7 | 21.9 | 22.0 | 21.8 | 21.7 | 21.9 | 21.9 | 21.9 | 21.7 | 21.4 | 21.7 | 21.6 | 21.7 | 21.4 | 22.0 | 21.8 |
| Jul 7 | 21.7 | 21.8 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.5 | 21.5 | 21.5 | 21.6 | 21.9 | 21.9 | 21.8 | 21.9 | 21.8 | 21.9 | 21.9 | 21.7 | 21.6 | 21.7 | 21.7 | 21.6 | 21.6 | 21.5 | 21.9 | 21.8 |
| Jul 8 | 21.7 | 21.9 | 22.0 | 22.0 | 21.9 | 21.7 | 21.6 | 21.5 | 21.7 | 21.7 | 21.8 | 22.0 | 22.1 | 22.3 | 21.5 | 21.6 | 21.7 | 22.7 | 23.8 | 24.6 | 21.3 | 21.2 | 21.7 | 21.7 | 21.2 | 24.6 | 22.0 |
| Jul 9 | 21.9 | 21.5 | 20.8 | 21.2 | 21.1 | 20.9 | 20.8 | 21.3 | 21.4 | 21.3 | 21.7 | 22.6 | 23.7 | 24.0 | 25.8 | 27.8 | 28.9 | 29.1 | 24.2 | 23.6 | 25.6 | 22.7 | 24.2 | 24.6 | 20.8 | 29.1 | 23.4 |
| Jul 10 | 22.5 | 22.7 | 22.6 | 22.2 | 22.1 | 21.8 | 21.7 | 21.6 | 21.9 | 21.9 | 22.9 | 23.4 | 21.6 | 21.8 | 26.5 | 30.5 | 22.2 | 22.6 | 26.8 | 21.4 | 21.9 | 24.9 | 25.1 | 24.8 | 21.4 | 30.5 | 23.2 |
| Jul 11 | 24.1 | 23.7 | 23.0 | 22.2 | 21.9 | 21.0 | 20.9 | 21.1 | 20.9 | 21.1 | 21.5 | 24.7 | 25.0 | 28.1 | 23.7 | 29.6 | 30.7 | 31.0 | 28.5 | 22.1 | 25.9 | 25.8 | 22.9 | 24.5 | 20.9 | 31.0 | 24.3 |
| Jul 12 | 22.9 | 23.4 | 23.4 | 21.9 | 21.8 | 22.1 | 22.3 | 23.6 | 22.5 | 22.8 | 24.6 | 23.0 | 23.7 | 20.5 | 23.5 | 25.9 | 20.6 | 22.9 | 23.8 | 25.4 | 23.8 | 25.3 | 25.0 | 22.3 | 20.5 | 25.9 | 23.2 |
| Jul 13 | 22.2 | 20.5 | 21.5 | 21.3 | 21.2 | 21.1 | 21.1 | 20.9 | 21.1 | 21.0 | 21.1 | 21.2 | 21.3 | 24.6 | 25.8 | 25.0 | 25.2 | 28.5 | 28.6 | 28.1 | 23.4 | 25.2 | 24.8 | 24.2 | 20.5 | 28.6 | 23.3 |
| Jul 14 | 23.2 | 22.7 | 22.5 | 22.2 | 21.5 | 21.7 | 21.8 | 23.0 | 24.2 | 19.9 | 21.2 | 23.4 | 24.3 | 23.7 | 20.7 | 25.4 | 30.5 | 32.4 | 31.9 | 21.5 | 20.4 | 20.8 | 21.4 | 21.1 | 19.9 | 32.4 | 23.4 |
| Jul 15 | 21.3 | 21.1 | 20.7 | 20.1 | 20.5 | 20.6 | 20.6 | 20.6 | 21.3 | 25.5 | 27.2 | 29.1 | 30.4 | 23.4 | 21.2 | 21.4 | 21.1 | 21.0 | 20.8 | 26.4 | 29.2 | 29.3 | 29.1 | 29.0 | 20.1 | 30.4 | 23.8 |
| Jul 16 | 28.8 | 28.2 | 27.7 | 27.1 | 26.2 | 25.7 | 24.8 | 23.2 | 25.8 | 25.7 | 20.6 | 20.7 | 20.9 | 22.2 | 20.7 | 21.2 | 21.3 | 20.9 | 21.2 | 20.7 | 20.1 | 20.1 | 20.5 | 20.5 | 20.1 | 28.8 | 23.1 |
| Jul 17 | 20.6 | 20.6 | 20.7 | 20.7 | 20.4 | 20.3 | 20.0 | 20.6 | 20.9 | 21.1 | 21.7 | 21.2 | 21.4 | 20.8 | 21.1 | 20.8 | 21.0 | 20.9 | 20.4 | 20.5 | 21.0 | 24.1 | 24.4 | 20.0 | 24.4 | 21.1 |
| Jul 18 | 24.7 | 24.5 | 23.5 | 22.9 | 22.5 | 21.8 | 23.1 | 24.7 | 22.4 | 26.8 | 30.6 | 32.8 | **34.8** | 29.2 | 21.6 | 21.3 | 21.2 | 20.9 | 20.6 | 22.6 | 26.9 | 25.1 | 20.6 | 21.6 | 20.6 | **34.8** | **24.4** |
| Jul 19 | 23.2 | 23.5 | 23.0 | 22.2 | 21.0 | 20.8 | 20.3 | 20.1 | 20.7 | 21.2 | 21.3 | 21.2 | 21.8 | 20.9 | 20.8 | 21.2 | 21.1 | 21.0 | 23.6 | 29.0 | 29.2 | 28.5 | 27.0 | 22.6 | 20.1 | 29.2 | 22.7 |
| Jul 20 | 23.0 | 23.4 | 23.7 | 23.3 | 22.5 | 21.3 | 20.1 | 20.2 | 20.9 | 21.1 | 21.0 | 21.2 | 21.5 | 20.9 | 21.3 | 20.9 | 27.9 | 29.2 | 29.3 | 22.6 | 21.7 | 24.5 | 24.2 | 23.5 | 20.1 | 29.3 | 22.9 |
| Jul 21 | 22.7 | 22.1 | 20.9 | 21.1 | 20.8 | 21.0 | 20.9 | 20.5 | 20.5 | 22.1 | 22.4 | 24.2 | 21.4 | 24.4 | 23.4 | 20.1 | 20.2 | 20.9 | 21.2 | 21.7 | 22.2 | 21.3 | 21.1 | 21.2 | 20.1 | 24.4 | 21.6 |
| Jul 22 | 21.0 | 20.5 | 19.8 | 19.1 | 18.9 | **18.6** | 19.7 | 20.4 | 20.6 | 20.2 | 20.4 | 20.2 | 20.9 | 21.4 | 21.1 | 21.3 | 21.3 | 21.2 | 21.1 | 21.4 | 21.7 | 21.7 | 20.8 | 20.9 | **18.6** | 21.7 | **20.6** |
| Jul 23 | 21.0 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 20.9 | 20.7 | 20.9 | 20.7 | 20.5 | 20.8 | 20.9 | 21.4 | 21.3 | 21.4 | 21.4 | 21.5 | 21.2 | 21.4 | 22.1 | 21.7 | 21.8 | 21.9 | 20.5 | 22.1 | 21.2 |
| Jul 24 | 22.5 | 22.4 | 22.5 | 22.2 | 22.2 | 22.4 | 21.6 | 20.7 | 21.0 | 20.8 | 20.9 | 21.0 | 21.2 | 21.0 | 21.3 | 21.0 | 21.3 | 21.2 | 21.3 | 21.6 | 21.8 | 21.1 | 20.9 | 20.9 | 20.7 | 22.5 | 21.5 |
| Jul 25 | 21.1 | 21.1 | 20.8 | 20.7 | 20.6 | 21.1 | 20.9 | 20.9 | 20.8 | 20.9 | 20.7 | 20.9 | 20.9 | 21.0 | 20.8 | 21.1 | 21.3 | 21.2 | 21.9 | 22.1 | 22.2 | 22.6 | 22.5 | 22.3 | 20.6 | 22.6 | 21.3 |
| Jul 26 | 22.2 | 22.1 | 21.7 | 21.5 | 21.1 | 21.2 | 20.5 | 20.7 | 20.3 | 20.9 | 20.9 | 20.8 | 20.6 | 21.2 | 21.7 | 21.9 | 21.9 | 22.2 | 21.6 | 22.1 | 22.1 | 21.0 | 21.0 | 20.9 | 20.3 | 22.2 | 21.3 |
| Jul 27 | 20.8 | 21.1 | 20.9 | 21.1 | 21.1 | 21.1 | 21.0 | 20.9 | 21.6 | 20.5 | 20.6 | 20.7 | 20.7 | 20.6 | 20.6 | 20.6 | 20.6 | 20.4 | 20.7 | 20.5 | 20.7 | 20.9 | 21.1 | 21.1 | 20.4 | 21.6 | 20.8 |
| Jul 28 | 20.9 | 20.4 | 19.7 | 19.2 | 19.4 | 20.0 | 20.6 | 20.7 | 20.8 | 20.6 | 20.9 | 20.8 | 21.0 | 21.0 | 22.5 | 21.6 | 20.1 | 20.3 | 20.6 | 20.4 | 20.8 | 21.3 | 21.1 | 21.0 | 19.2 | 22.5 | 20.7 |
| Jul 29 | 21.0 | 20.9 | 21.1 | 20.9 | 20.6 | 20.5 | 21.4 | 21.3 | 21.0 | 22.3 | 20.0 | 20.2 | 20.5 | 20.4 | 20.3 | 20.2 | 20.2 | 20.1 | 20.3 | 20.4 | 20.4 | 20.9 | 21.4 | 21.1 | 20.0 | 22.3 | 20.7 |
| Jul 30 | 21.3 | 21.0 | 21.0 | 20.9 | 20.8 | 21.1 | 21.0 | 20.4 | 20.5 | 20.6 | 20.3 | 20.4 | 20.6 | 20.9 | 21.3 | 22.1 | 22.3 | 22.7 | 22.0 | 21.1 | 19.9 | 20.2 | 21.4 | 23.7 | 19.9 | 23.7 | 21.1 |
| Jul 31 | 22.0 | 20.6 | 21.1 | 20.9 | 21.1 | 21.0 | 20.3 | 20.5 | 20.7 | 20.8 | 21.3 | 22.1 | 22.6 | 22.9 | 23.1 | 23.9 | 23.4 | 22.7 | 22.0 | 21.3 | 20.0 | 20.2 | 20.4 | 20.7 | 20.0 | 23.9 | 21.5 |
| Diurnal Maximum | 28.8 | 28.2 | 27.7 | 27.1 | 26.2 | 25.7 | 24.8 | 24.7 | 25.8 | 26.8 | 30.6 | 32.8 | 34.8 | 29.2 | 26.5 | 30.5 | 30.7 | 32.4 | 31.9 | 29.0 | 29.2 | 29.3 | 29.1 | 29.0 | | | |
| Diurnal Average | 22.2 | 22.0 | 21.8 | 21.6 | 21.4 | 21.3 | 21.3 | 21.3 | 21.5 | 21.7 | 21.9 | 22.4 | 22.6 | 22.5 | 22.1 | 22.7 | 22.8 | 23.3 | 23.1 | 22.4 | 22.4 | 22.6 | 22.5 | 22.3 | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 2025***

**Summary of Hourly Averages**

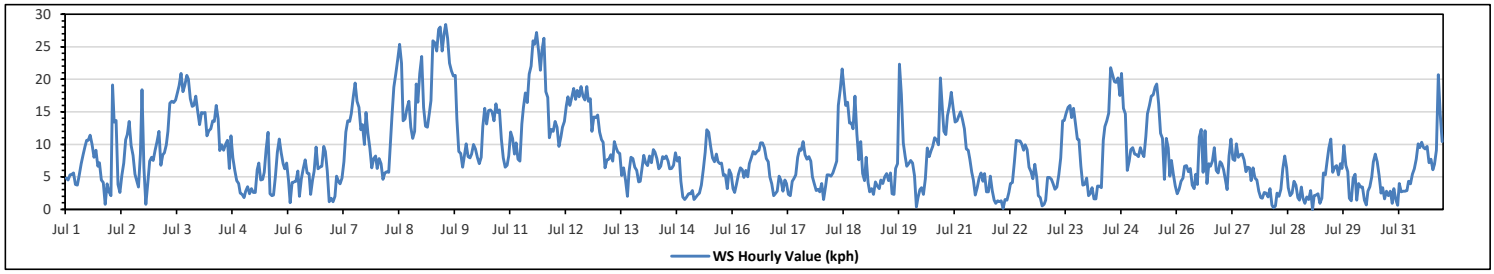
**VECTOR WIND SPEED (VWS) in km/hr**

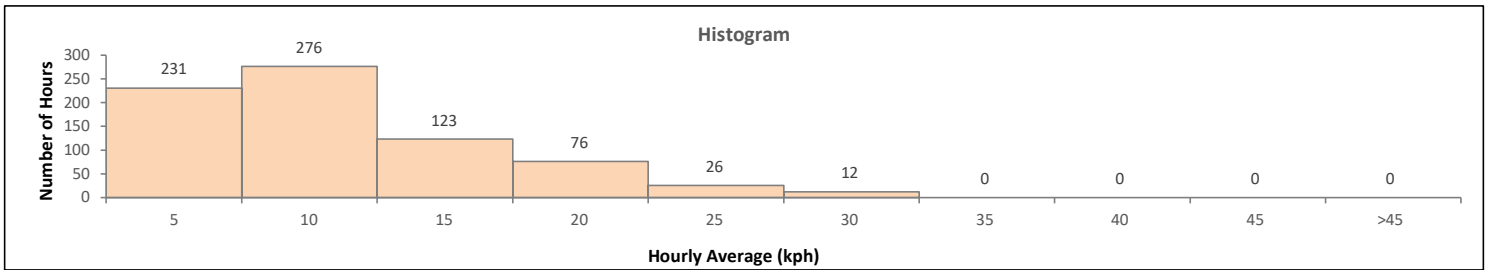
| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum Hourly Value: | 28.4 | kph | on Jul 9 at hr 13 | Hours in Service: | 744 | |
| Maximum Daily Value: | 19.4 | kph | on Jul 9 | Hours of Data: | 744 | |
| Minimum Hourly Value: | 0.0 | kph | on Jul 29 at hr 1 | Hours of Missing Data: | 0 | |
| Minimum Daily Value: | 2.7 | kph | on Jul 28 | Hours of Calibration: | 0 | |
| Monthly Average: | 8.6 | 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 |
| Jul 1 | 4.8 | 4.5 | 5.3 | 5.4 | 5.6 | 3.8 | 3.7 | 5.3 | 7.0 | 8.4 | 9.7 | 10.6 | 10.6 | 11.4 | 10.0 | 8.0 | 9.1 | 6.6 | 7.2 | 4.5 | 4.1 | 0.8 | 3.9 | 2.7 | 0.8 | 11.4 | 6.4 |
| Jul 2 | 2.1 | 19.1 | 13.4 | 13.7 | 3.8 | 2.6 | 5.2 | 7.1 | 10.7 | 11.5 | 13.5 | 9.8 | 8.3 | 5.4 | 4.3 | 3.4 | 8.5 | 18.4 | 6.4 | 0.8 | 4.0 | 7.4 | 8.0 | 7.5 | 0.8 | 19.1 | 8.1 |
| Jul 3 | 9.1 | 10.4 | 12.0 | 6.8 | 8.4 | 8.7 | 9.9 | 12.0 | 16.3 | 16.6 | 16.4 | 16.8 | 18.0 | 19.0 | 20.9 | 18.1 | 19.1 | 20.6 | 20.0 | 17.0 | 15.8 | 16.0 | 17.4 | 15.1 | 6.8 | 20.9 | 15.0 |
| Jul 4 | 13.0 | 14.9 | 14.8 | 14.9 | 11.3 | 12.1 | 12.4 | 13.6 | 13.5 | 16.0 | 13.9 | 9.0 | 9.9 | 9.1 | 10.0 | 10.6 | 6.3 | 11.3 | 7.9 | 6.0 | 4.4 | 4.0 | 2.5 | 2.3 | 2.3 | 16.0 | 10.2 |
| Jul 5 | 1.8 | 2.8 | 3.5 | 2.4 | 3.2 | 2.6 | 2.6 | 6.1 | 7.1 | 4.5 | 4.6 | 5.7 | 9.3 | 11.8 | 2.4 | 2.1 | 2.2 | 5.1 | 8.8 | 10.8 | 8.7 | 7.0 | 6.2 | 7.1 | 1.8 | 11.8 | 5.4 |
| Jul 6 | 4.4 | 1.0 | 4.1 | 4.2 | 4.3 | 5.9 | 2.0 | 4.7 | 6.3 | 7.6 | 5.6 | 5.5 | 2.3 | 4.5 | 5.9 | 9.6 | 6.2 | 6.5 | 6.6 | 9.7 | 8.9 | 5.9 | 1.2 | 1.7 | 1.0 | 9.7 | 5.2 |
| Jul 7 | 1.2 | 2.0 | 5.1 | 4.3 | 3.9 | 4.8 | 7.3 | 11.9 | 13.6 | 13.5 | 14.7 | 17.2 | 19.4 | 16.6 | 15.7 | 12.2 | 13.0 | 10.0 | 14.9 | 11.7 | 9.4 | 6.4 | 7.8 | 8.2 | 1.2 | 19.4 | 10.2 |
| Jul 8 | 6.3 | 7.8 | 7.0 | 4.6 | 5.6 | 5.8 | 5.7 | 9.9 | 14.2 | 18.8 | 20.8 | 23.0 | 25.4 | 22.5 | 13.6 | 13.9 | 15.5 | 16.6 | 12.6 | 10.9 | 12.0 | 19.3 | 16.5 | 20.9 | 4.6 | 25.4 | 13.7 |
| Jul 9 | 23.5 | 15.7 | 12.8 | 12.6 | 14.8 | 16.7 | 25.9 | 25.6 | 24.3 | 27.7 | 28.0 | 24.3 | 27.0 | **28.4** | 26.3 | 22.5 | 21.3 | 20.5 | 20.6 | 13.9 | 8.9 | 8.6 | 6.5 | 8.4 | 6.5 | **28.4** | **19.4** |
| Jul 10 | 10.1 | 8.1 | 7.9 | 8.5 | 10.0 | 9.3 | 8.0 | 7.0 | 8.0 | 12.7 | 15.5 | 13.1 | 15.2 | 15.3 | 15.0 | 13.6 | 16.2 | 14.9 | 15.3 | 10.8 | 7.9 | 6.5 | 6.8 | 8.2 | 6.5 | 16.2 | 11.0 |
| Jul 11 | 11.9 | 10.9 | 8.5 | 10.2 | 7.7 | 7.4 | 13.1 | 15.7 | 17.9 | 16.4 | 20.8 | 22.0 | 25.9 | 25.4 | 27.2 | 24.5 | 21.4 | 24.5 | 26.3 | 18.1 | 17.2 | 11.0 | 12.3 | 12.0 | 7.4 | 27.2 | 17.0 |
| Jul 12 | 13.5 | 12.6 | 9.7 | 11.1 | 12.6 | 13.5 | 15.9 | 17.3 | 16.0 | 17.2 | 18.6 | 16.9 | 18.3 | 17.3 | 18.9 | 17.4 | 16.8 | 18.9 | 16.6 | 17.0 | 12.0 | 14.2 | 14.1 | 14.5 | 9.7 | 18.9 | 15.5 |
| Jul 13 | 11.9 | 10.7 | 10.3 | 6.4 | 7.6 | 7.7 | 8.4 | 7.4 | 10.4 | 9.4 | 8.8 | 8.6 | 5.2 | 6.4 | 4.5 | 2.0 | 5.8 | 8.0 | 7.8 | 6.5 | 6.0 | 4.2 | 4.3 | 6.5 | 2.0 | 11.9 | 7.3 |
| Jul 14 | 8.3 | 7.1 | 6.7 | 8.2 | 7.2 | 9.2 | 8.8 | 7.8 | 6.2 | 6.6 | 8.1 | 7.8 | 8.2 | 7.4 | 6.2 | 6.3 | 6.8 | 8.7 | 7.4 | 8.0 | 4.3 | 1.9 | 1.5 | 1.9 | 1.5 | 9.2 | 6.7 |
| Jul 15 | 2.4 | 2.4 | 2.9 | 1.5 | 1.8 | 2.2 | 2.5 | 3.7 | 6.1 | 8.8 | 12.2 | 11.8 | 9.7 | 7.9 | 7.3 | 8.5 | 7.3 | 7.0 | 7.1 | 5.2 | 5.3 | 3.2 | 6.1 | 5.4 | 1.5 | 12.2 | 5.8 |
| Jul 16 | 3.2 | 2.6 | 3.9 | 5.4 | 6.4 | 6.1 | 4.9 | 6.0 | 5.0 | 7.0 | 7.9 | 8.9 | 8.5 | 8.9 | 9.1 | 10.2 | 10.2 | 9.5 | 7.8 | 7.3 | 5.0 | 3.9 | 2.1 | 2.4 | 2.1 | 10.2 | 6.3 |
| Jul 17 | 2.8 | 5.1 | 4.4 | 2.8 | 4.5 | 4.0 | 2.3 | 2.1 | 4.3 | 4.7 | 5.3 | 8.0 | 9.3 | 9.1 | 10.4 | 8.4 | 7.7 | 8.1 | 7.4 | 5.0 | 3.9 | 2.9 | 3.1 | 2.7 | 2.1 | 10.4 | 5.3 |
| Jul 18 | 4.0 | 1.5 | 3.5 | 5.3 | 5.3 | 5.1 | 5.6 | 6.5 | 7.4 | 16.0 | 18.4 | 21.6 | 19.0 | 16.0 | 16.5 | 13.3 | 13.3 | 12.4 | 17.4 | 11.6 | 7.6 | 10.4 | 5.5 | 4.4 | 1.5 | 21.6 | 10.3 |
| Jul 19 | 8.0 | 4.1 | 2.7 | 3.2 | 2.3 | 4.2 | 3.6 | 3.2 | 4.5 | 4.0 | 5.0 | 5.5 | 4.4 | 5.6 | 2.4 | 2.3 | 6.3 | 7.0 | 22.3 | 17.7 | 10.2 | 8.1 | 6.6 | 7.0 | 2.3 | 22.3 | 6.3 |
| Jul 20 | 7.5 | 7.1 | 5.2 | 0.4 | 1.8 | 3.0 | 3.3 | 2.3 | 4.7 | 9.4 | 8.1 | 9.0 | 9.7 | 11.0 | 10.7 | 9.9 | 20.2 | 15.5 | 12.0 | 11.5 | 14.4 | 15.8 | 18.0 | 15.5 | 0.4 | 20.2 | 9.4 |
| Jul 21 | 13.4 | 13.6 | 14.3 | 15.0 | 13.8 | 12.4 | 9.3 | 9.1 | 7.7 | 5.7 | 4.5 | 2.2 | 3.3 | 4.8 | 5.6 | 4.3 | 5.5 | 2.7 | 2.7 | 5.1 | 2.9 | 1.4 | 0.9 | 1.3 | 0.9 | 15.0 | 6.7 |
| Jul 22 | 1.2 | 1.3 | 0.1 | 1.5 | 1.4 | 2.6 | 4.0 | 4.1 | 7.2 | 10.6 | 10.5 | 10.5 | 10.1 | 9.1 | 9.9 | 9.2 | 6.5 | 5.8 | 4.7 | 6.9 | 4.9 | 2.1 | 1.8 | 0.5 | 0.1 | 10.6 | 5.3 |
| Jul 23 | 0.8 | 1.4 | 4.9 | 4.9 | 4.6 | 4.0 | 3.1 | 3.4 | 5.3 | 7.9 | 13.6 | 13.7 | 14.8 | 15.7 | 16.0 | 14.1 | 15.5 | 13.2 | 10.8 | 10.7 | 6.6 | 3.7 | 3.8 | 4.8 | 0.8 | 16.0 | 8.2 |
| Jul 24 | 2.1 | 2.4 | 3.3 | 1.6 | 1.6 | 3.6 | 3.6 | 3.3 | 10.6 | 12.7 | 13.6 | 14.8 | 21.8 | 20.7 | 19.6 | 19.5 | 20.2 | 17.5 | 20.9 | 15.5 | 14.7 | 6.0 | 7.4 | 9.2 | 1.6 | 21.8 | 11.1 |
| Jul 25 | 9.5 | 8.5 | 8.4 | 8.1 | 9.5 | 8.7 | 8.1 | 11.2 | 14.7 | 15.9 | 17.4 | 17.6 | 18.8 | 19.3 | 16.2 | 11.7 | 10.9 | 4.6 | 10.9 | 9.4 | 5.1 | 7.5 | 5.4 | 3.6 | 3.6 | 19.3 | 10.9 |
| Jul 26 | 2.4 | 3.1 | 4.3 | 4.8 | 6.6 | 6.7 | 5.8 | 6.3 | 3.7 | 3.2 | 5.4 | 3.8 | 11.1 | 12.3 | 5.7 | 12.1 | 4.0 | 7.0 | 6.6 | 7.4 | 9.5 | 6.0 | 5.6 | 7.3 | 2.4 | 12.3 | 6.3 |
| Jul 27 | 7.0 | 6.1 | 4.7 | 3.0 | 8.2 | 10.8 | 7.7 | 7.5 | 10.1 | 8.0 | 8.4 | 8.5 | 7.6 | 5.8 | 6.5 | 6.4 | 4.4 | 6.4 | 4.8 | 4.5 | 2.8 | 1.8 | 1.7 | 2.6 | 1.7 | 10.8 | 6.1 |
| Jul 28 | 2.5 | 1.9 | 3.2 | 0.7 | 0.2 | 0.5 | 2.5 | 2.0 | 3.1 | 6.2 | 8.2 | 6.4 | 3.3 | 2.1 | 2.5 | 4.3 | 3.7 | 1.8 | 1.4 | 3.4 | 1.7 | 0.9 | 1.9 | 1.5 | 0.2 | 8.2 | **2.7** |
| Jul 29 | 2.9 | **0.0** | 2.1 | 2.2 | 2.4 | 0.9 | 1.7 | 5.6 | 5.3 | 7.6 | 9.4 | 10.8 | 5.7 | 6.5 | 6.7 | 5.3 | 7.0 | 6.3 | 9.8 | 6.8 | 5.8 | 1.7 | 1.3 | 4.8 | **0.0** | 10.8 | 4.9 |
| Jul 30 | 5.4 | 1.4 | 4.0 | 3.4 | 3.4 | 1.4 | 0.7 | 2.8 | 3.5 | 5.0 | 7.3 | 8.5 | 7.3 | 5.2 | 2.5 | 3.3 | 1.6 | 2.8 | 2.1 | 2.8 | 0.9 | 3.2 | 1.5 | 0.6 | 0.6 | 8.5 | 3.4 |
| Jul 31 | 4.0 | 2.7 | 2.8 | 2.8 | 2.9 | 4.3 | 3.9 | 5.4 | 6.2 | 7.7 | 10.1 | 9.5 | 10.3 | 9.5 | 9.3 | 9.7 | 7.2 | 7.7 | 6.1 | 6.9 | 9.1 | 20.7 | 14.6 | 10.4 | 2.7 | 20.7 | 7.7 |
| Diurnal Maximum | 23.5 | 19.1 | 14.8 | 15.0 | 14.8 | 16.7 | 25.9 | 25.6 | 24.3 | 27.7 | 28.0 | 24.3 | 27.0 | 28.4 | 27.2 | 24.5 | 21.4 | 24.5 | 26.3 | 18.1 | 17.2 | 20.7 | 18.0 | 20.9 | | | |
| Diurnal Average | 6.5 | 6.2 | 6.3 | 5.8 | 5.9 | 6.1 | 6.5 | 7.6 | 9.1 | 10.6 | 11.8 | 11.7 | 12.2 | 11.9 | 10.9 | 10.2 | 10.3 | 10.5 | 10.7 | 9.1 | 7.5 | 6.9 | 6.3 | 6.5 | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 - July 2025*

### Summary of Hourly Averages

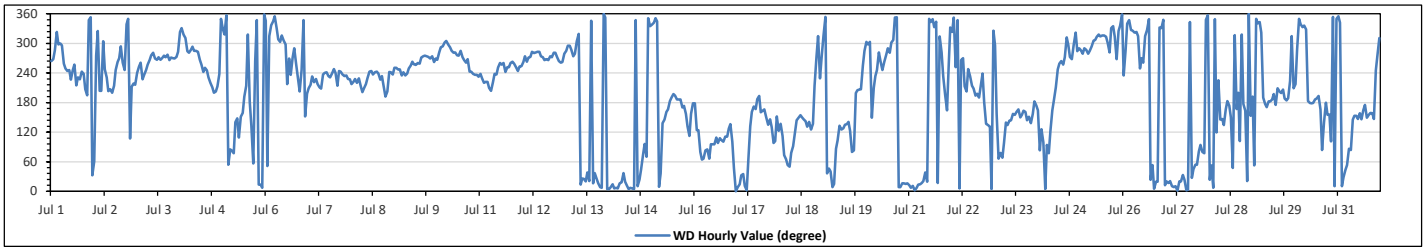
### WIND DIRECTION (VWD) in sector

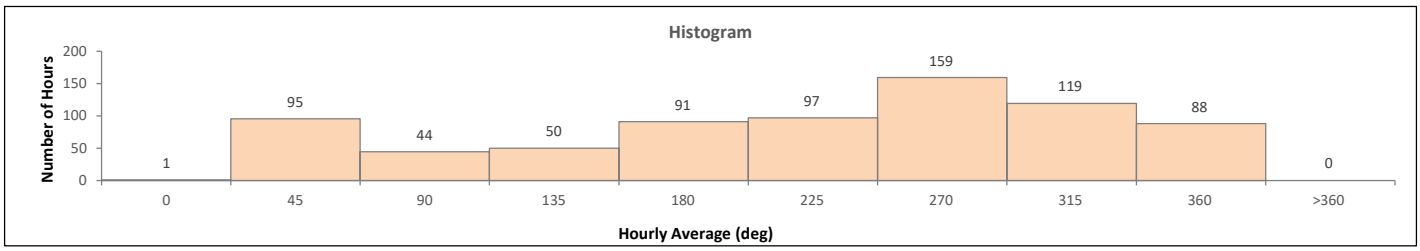
| | | | |
|---|---|---|---|
| Monthly Average: | 263 (W) | degree | |
| Hours in Service: | 744 | | |
| Hours of Data: | 744 | | |
| Hours of Missing Data: | 0 | | |
| Hours of Calibration: | 0 | | |
| Operational Uptime: | 100.0 | | |

| 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 |
| Jul 1 | W | W | WNW | NW | WNW | WNW | WNW | WSW | WSW | WSW | WSW | SW | WSW | WSW | SSW | SW | SW | WSW | SW | SSW | SSW | NNW | N | NNE | 261 | W |
| Jul 2 | ENE | W | NW | SSW | SSW | WNW | WSW | SW | SSW | SSW | SSW | SSW | WSW | W | W | WNW | W | WSW | NNW | N | ESE | SSW | SW | SW | 245 | WSW |
| Jul 3 | WSW | WSW | W | SW | SW | WSW | WSW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | 265 | W |
| Jul 4 | NW | NNW | NW | NW | WNW | W | WNW | WNW | WNW | WNW | W | W | WSW | WSW | WSW | WSW | SW | SW | SSW | SSW | SSW | SSW | SW | N | 267 | W |
| Jul 5 | NNW | NW | N | NE | E | E | ENE | SE | SE | ESE | SSE | SSE | S | SSW | NW | S | SE | NE | W | NNW | NNE | NNE | N | N | 63 | ENE |
| Jul 6 | NNW | NE | NW | NNW | NNW | N | NNW | NW | WNW | NW | NW | WNW | SW | W | SW | W | WNW | WSW | SW | SSW | WSW | NNW | SSE | SSW | 291 | WNW |
| Jul 7 | SSW | SW | SW | SW | SW | SW | SSW | SSW | SW | WSW | WSW | SW | SW | WSW | WSW | WSW | SSW | WSW | WSW | SW | SW | SW | SW | SW | 230 | SW |
| Jul 8 | SW | SW | SW | SW | SW | SSW | SSW | SSW | SW | SW | WSW | WSW | SW | WSW | WSW | WSW | SW | SW | SSW | S | SSW | WSW | WSW | SW | 226 | SW |
| Jul 9 | WSW | WSW | WSW | WSW | SW | WSW | SW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | W | 258 | WSW |
| Jul 10 | W | W | WNW | WNW | WNW | WNW | WNW | WNW | WNW | W | W | W | W | WNW | W | W | W | W | WSW | WSW | SW | SW | SW | SW | 272 | W |
| Jul 11 | SW | SW | SW | SW | SW | SSW | SSW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | 242 | WSW |
| Jul 12 | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | 273 | W |
| Jul 13 | WNW | WNW | WNW | WNW | W | W | WNW | NW | NNE | NNE | NNE | NNE | NE | NNE | NNW | NNE | NE | NNE | NNE | N | N | N | N | N | 350 | N |
| Jul 14 | N | N | NNE | N | N | N | NNE | NNE | NE | NNE | NNE | N | N | N | N | NNW | N | NNE | NE | ENE | E | ENE | N | NNW | 17 | NNE |
| Jul 15 | NNW | NNW | N | NNW | N | NE | SE | SE | SSE | SSE | S | S | SSW | SSW | S | S | S | SSE | S | SSE | SE | ESE | SSE | S | 163 | SSE |
| Jul 16 | S | ESE | ESE | E | ENE | ENE | E | E | ENE | E | E | E | ESE | E | ESE | ESE | E | ESE | ESE | SE | SE | E | NE | N | 97 | E |
| Jul 17 | N | NNE | NNE | NE | NNE | N | ENE | SE | SSE | S | SSE | S | S | SSE | SSE | SSE | SSE | SE | SE | SE | E | E | SSE | ESE | 125 | SE |
| Jul 18 | SE | ESE | ENE | ENE | NE | NE | ENE | E | ESE | SE | SSE | SSE | SSE | SE | SE | SE | SE | SE | SE | SSW | W | NW | SW | W | 128 | SE |
| Jul 19 | NW | N | NE | NE | NE | N | NNE | E | ESE | SE | SE | SE | SE | SE | SE | ESE | E | E | SSW | SSW | SSW | SSW | WSW | WNW | 107 | ESE |
| Jul 20 | WNW | WNW | WNW | SSE | SSW | SW | WSW | W | W | WSW | W | W | WNW | W | WNW | NW | N | N | N | N | NNE | NNE | NNE | NNE | 305 | WNW |
| Jul 21 | NNE | N | NNE | N | N | NNE | NNE | NNE | NNE | NE | NNE | N | NNW | NNW | NNW | NNW | NNE | NW | W | SW | SSW | SSE | WSW | NNW | 351 | N |
| Jul 22 | NW | N | WSW | NNW | N | W | W | SSW | SSW | WSW | SW | SSW | SSW | SSW | SSW | S | SSW | WSW | S | SE | SE | SE | N | NW | 230 | SW |
| Jul 23 | WNW | SSE | ENE | ENE | ENE | E | SE | SE | SE | SE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SE | SSE | SE | SSE | S | S | 145 | SE |
| Jul 24 | SSE | E | SE | E | N | E | ENE | ESE | SSE | S | SSW | WSW | WSW | W | WSW | W | NW | WNW | W | W | WNW | NW | WNW | WNW | 255 | WSW |
| Jul 25 | WNW | W | WNW | WNW | W | WNW | WNW | NW | NW | NW | NW | NW | NW | NW | NW | WNW | W | NNW | NNW | NW | W | NW | NNW | N | 306 | NW |
| Jul 26 | SW | WNW | NNW | NNW | NW | NW | NW | NW | NW | WSW | W | W | NW | NW | NNW | NNE | NE | N | NNE | NNE | NNW | NNW | NNW | NNE | 331 | NNW |
| Jul 27 | NNE | NNE | NNE | N | N | N | N | NNE | NNE | NNE | NNE | N | N | NNW | NNE | NE | NE | NE | E | E | E | ENE | NNW | N | 27 | NNE |
| Jul 28 | NNE | NE | N | NNW | ESE | SW | SE | SE | SE | SSE | S | S | SSE | NE | NW | SSE | SSW | E | NW | S | SSE | NNE | N | SSE | 132 | SE |
| Jul 29 | S | NE | N | NNW | NNW | NW | S | S | S | S | S | S | SSW | S | SSW | SSW | SSW | SSW | S | S | S | SW | NW | SSW | 203 | SSW |
| Jul 30 | SW | WNW | N | NNW | NNW | NNW | NNW | S | S | S | S | S | S | S | SSE | E | SE | S | SSE | SSE | E | N | N | N | 184 | S |
| Jul 31 | N | NNW | N | NNE | NE | NE | E | E | SE | SSE | SSE | SE | SSE | SE | SSE | S | SSE | SSE | SSE | SSE | SE | WSW | W | NW | 132 | SE |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 - July 2025*

**Summary of Hourly Averages**

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

**WIND SPEED**

| | | | | | |
|---|---|---|---|---|---|
| Maximum Hourly Value: | 28.4 | kph | on Jul 9 at hr 13 | Hours in Service: | 744 |
| Maximum Daily Value: | 19.4 | kph | on Jul 9 | Hours of Data: | 744 |
| Minimum Hourly Value: | 0.0 | kph | on Jul 29 at hr 1 | Hours of Missing Data: | 0 |
| Minimum Daily Value: | 2.7 | kph | on Jul 28 | Hours of Calibration: | 0 |
| Monthly Average: | 8.6 | kph | | Operational Uptime: | 100.0 |

**WIND DIRECTION**

Monthly Average: 263 degree (W)

| 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 | | | |
| Jul 1 | 4.8 | 4.5 | 5.3 | 5.4 | 5.6 | 3.8 | 3.7 | 5.3 | 7.0 | 8.4 | 9.7 | 10.6 | 10.6 | 11.4 | 10.0 | 8.0 | 9.1 | 6.6 | 7.2 | 4.5 | 4.1 | 0.8 | 3.9 | 2.7 | 0.8 | 11.4 | 6.4 |
| | W | W | WNW | NW | WNW | WNW | WNW | WSW | WSW | WSW | WSW | SW | WSW | WSW | SSW | SW | SW | WSW | SW | SSW | SSW | NNW | N | NNE | | | 261(W) |
| Jul 2 | 2.1 | 19.1 | 13.4 | 13.7 | 3.8 | 2.6 | 5.2 | 7.1 | 10.7 | 11.5 | 13.5 | 9.8 | 8.3 | 5.4 | 4.3 | 3.4 | 8.5 | 18.4 | 6.4 | 0.8 | 4.0 | 7.4 | 8.0 | 7.5 | 0.8 | 19.1 | 8.1 |
| | ENE | W | NW | SSW | SSW | WNW | WSW | SW | SSW | SSW | SSW | SSW | WSW | W | W | WNW | W | WSW | NNW | N | ESE | SSW | SW | SW | | | 245(WSW) |
| Jul 3 | 9.1 | 10.4 | 12.0 | 6.8 | 8.4 | 8.7 | 9.9 | 12.0 | 16.3 | 16.6 | 16.4 | 16.8 | 18.0 | 19.0 | 20.9 | 18.1 | 19.1 | 20.6 | 20.0 | 17.0 | 15.8 | 16.0 | 17.4 | 15.1 | 6.8 | 20.9 | 15.0 |
| | WSW | WSW | W | SW | SW | WSW | WSW | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | | | 265(W) |
| Jul 4 | 13.0 | 14.9 | 14.8 | 14.9 | 11.3 | 12.1 | 12.4 | 13.6 | 13.5 | 16.0 | 13.9 | 9.0 | 9.9 | 9.1 | 10.0 | 10.6 | 6.3 | 11.3 | 7.9 | 6.0 | 4.4 | 4.0 | 2.5 | 2.3 | 2.3 | 16.0 | 10.2 |
| | NW | NNW | NW | NW | WNW | W | WNW | WNW | WNW | WNW | W | W | WSW | WSW | WSW | WSW | SW | SW | SSW | SSW | SSW | SSW | SW | N | | | 267(W) |
| Jul 5 | 1.8 | 2.8 | 3.5 | 2.4 | 3.2 | 2.6 | 2.6 | 6.1 | 7.1 | 4.5 | 4.6 | 5.7 | 9.3 | 11.8 | 2.4 | 2.1 | 2.2 | 5.1 | 8.8 | 10.8 | 8.7 | 7.0 | 6.2 | 7.1 | 1.8 | 11.8 | 5.4 |
| | NNW | NW | N | NE | E | E | ENE | SE | SE | ESE | SSE | SSE | S | SSW | NW | S | SE | NE | W | NNW | NNE | NNE | N | N | | | 63(ENE) |
| Jul 6 | 4.4 | 1.0 | 4.1 | 4.2 | 4.3 | 5.9 | 2.0 | 4.7 | 6.3 | 7.6 | 5.6 | 5.5 | 2.3 | 4.5 | 5.9 | 9.6 | 6.2 | 6.5 | 6.6 | 9.7 | 8.9 | 5.9 | 1.2 | 1.7 | 1.0 | 9.7 | 5.2 |
| | NNW | NE | NW | NNW | NNW | N | NNW | NW | WNW | NW | NW | WNW | SW | W | SW | W | WNW | WSW | SW | SSW | WSW | NNW | SSE | SSW | | | 291(WNW) |
| Jul 7 | 1.2 | 2.0 | 5.1 | 4.3 | 3.9 | 4.8 | 7.3 | 11.9 | 13.6 | 13.5 | 14.7 | 17.2 | 19.4 | 16.6 | 15.7 | 12.2 | 13.0 | 10.0 | 14.9 | 11.7 | 9.4 | 6.4 | 7.8 | 8.2 | 1.2 | 19.4 | 10.2 |
| | SSW | SW | SW | SW | SW | SW | SSW | SSW | SW | WSW | WSW | SW | SW | WSW | WSW | WSW | SSW | WSW | WSW | SW | SW | SW | SW | SW | | | 230(SW) |
| Jul 8 | 6.3 | 7.8 | 7.0 | 4.6 | 5.6 | 5.8 | 5.7 | 9.9 | 14.2 | 18.8 | 20.8 | 23.0 | 25.4 | 22.5 | 13.6 | 13.9 | 15.5 | 16.6 | 12.6 | 10.9 | 12.0 | 19.3 | 16.5 | 20.9 | 4.6 | 25.4 | 13.7 |
| | SW | SW | SW | SW | SW | SSW | SSW | SSW | SW | SW | WSW | WSW | SW | WSW | WSW | WSW | SW | SW | SSW | S | SSW | WSW | WSW | SW | | | 226(SW) |
| Jul 9 | 23.5 | 15.7 | 12.8 | 12.6 | 14.8 | 16.7 | 25.9 | 25.6 | 24.3 | 27.7 | 28.0 | 24.3 | 27.0 | **28.4** | 26.3 | 22.5 | 21.3 | 20.5 | 20.6 | 13.9 | 8.9 | 8.6 | 6.5 | 8.4 | 6.5 | **28.4** | **19.4** |
| | WSW | WSW | WSW | WSW | SW | WSW | SW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | W | W | W | W | W | W | W | W | W | | | 258(WSW) |
| Jul 10 | 10.1 | 8.1 | 7.9 | 8.5 | 10.0 | 9.3 | 8.0 | 7.0 | 8.0 | 12.7 | 15.5 | 13.1 | 15.2 | 15.3 | 15.0 | 13.6 | 16.2 | 14.9 | 15.3 | 10.8 | 7.9 | 6.5 | 6.8 | 8.2 | 6.5 | 16.2 | 11.0 |
| | W | W | WNW | WNW | WNW | WNW | WNW | WNW | WNW | W | W | W | W | WNW | W | W | W | W | WSW | WSW | SW | SW | SW | SW | | | 272(W) |
| Jul 11 | 11.9 | 10.9 | 8.5 | 10.2 | 7.7 | 7.4 | 13.1 | 15.7 | 17.9 | 16.4 | 20.8 | 22.0 | 25.9 | 25.4 | 27.2 | 24.5 | 21.4 | 24.5 | 26.3 | 18.1 | 17.2 | 11.0 | 12.3 | 12.0 | 7.4 | 27.2 | 17.0 |
| | SW | SW | SW | SW | SW | SSW | SSW | SW | SW | SW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | WSW | W | WSW | WSW | WSW | WSW | WSW | | | 242(WSW) |
| Jul 12 | 13.5 | 12.6 | 9.7 | 11.1 | 12.6 | 13.5 | 15.9 | 17.3 | 16.0 | 17.2 | 18.6 | 16.9 | 18.3 | 17.3 | 18.9 | 17.4 | 16.8 | 18.9 | 16.6 | 17.0 | 12.0 | 14.2 | 14.1 | 14.5 | 9.7 | 18.9 | 15.5 |
| | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | W | | | 273(W) |
| Jul 13 | 11.9 | 10.7 | 10.3 | 6.4 | 7.6 | 7.7 | 8.4 | 7.4 | 10.4 | 9.4 | 8.8 | 8.6 | 5.2 | 6.4 | 4.5 | 2.0 | 5.8 | 8.0 | 7.8 | 6.5 | 6.0 | 4.2 | 4.3 | 6.5 | 2.0 | 11.9 | 7.3 |
| | WNW | WNW | WNW | WNW | W | W | WNW | NW | NNE | NNE | NNE | NNE | NE | NNE | NNW | NNE | NE | NNE | NNE | N | N | N | N | N | | | 350(N) |
| Jul 14 | 8.3 | 7.1 | 6.7 | 8.2 | 7.2 | 9.2 | 8.8 | 7.8 | 6.2 | 6.6 | 8.1 | 7.8 | 8.2 | 7.4 | 6.2 | 6.3 | 6.8 | 8.7 | 7.4 | 8.0 | 4.3 | 1.9 | 1.5 | 1.9 | 1.5 | 9.2 | 6.7 |
| | N | N | NNE | N | N | N | NNE | NNE | NE | NNE | NNE | N | N | N | N | NNW | N | NNE | NE | ENE | E | ENE | N | NNW | | | 17(NNE) |
| Jul 15 | 2.4 | 2.4 | 2.9 | 1.5 | 1.8 | 2.2 | 2.5 | 3.7 | 6.1 | 8.8 | 12.2 | 11.8 | 9.7 | 7.9 | 7.3 | 8.5 | 7.3 | 7.0 | 7.1 | 5.2 | 5.3 | 3.2 | 6.1 | 5.4 | 1.5 | 12.2 | 5.8 |
| | NNW | NNW | N | NNW | N | NE | SE | SE | SSE | SSE | S | S | SSW | SSW | S | S | S | SSE | S | SSE | SE | ESE | SSE | S | | | 163(SSE) |
| Jul 16 | 3.2 | 2.6 | 3.9 | 5.4 | 6.4 | 6.1 | 4.9 | 6.0 | 5.0 | 7.0 | 7.9 | 8.9 | 8.5 | 8.9 | 9.1 | 10.2 | 10.2 | 9.5 | 7.8 | 7.3 | 5.0 | 3.9 | 2.1 | 2.4 | 2.1 | 10.2 | 6.3 |
| | S | ESE | ESE | E | ENE | ENE | E | E | ENE | E | E | E | ESE | E | ESE | ESE | E | ESE | ESE | SE | SE | E | NE | N | | | 97(E) |
| Jul 17 | 2.8 | 5.1 | 4.4 | 2.8 | 4.5 | 4.0 | 2.3 | 2.1 | 4.3 | 4.7 | 5.3 | 8.0 | 9.3 | 9.1 | 10.4 | 8.4 | 7.7 | 8.1 | 7.4 | 5.0 | 3.9 | 2.9 | 3.1 | 2.7 | 2.1 | 10.4 | 5.3 |
| | N | NNE | NNE | NE | NNE | N | ENE | SE | SSE | S | SSE | S | S | SSE | SSE | SSE | SSE | SE | SE | SE | E | E | SSE | ESE | | | 125(SE) |
| Jul 18 | 4.0 | 1.5 | 3.5 | 5.3 | 5.3 | 5.1 | 5.6 | 6.5 | 7.4 | 16.0 | 18.4 | 21.6 | 19.0 | 16.0 | 16.5 | 13.3 | 13.3 | 12.4 | 17.4 | 11.6 | 7.6 | 10.4 | 5.5 | 4.4 | 1.5 | 21.6 | 10.3 |
| | SE | ESE | ENE | ENE | NE | NE | ENE | E | ESE | SE | SSE | SSE | SSE | SE | SE | SE | SE | SE | SE | SSW | W | NW | SW | W | | | 128(SE) |
| Jul 19 | 8.0 | 4.1 | 2.7 | 3.2 | 2.3 | 4.2 | 3.6 | 3.2 | 4.5 | 4.0 | 5.0 | 5.5 | 4.4 | 5.6 | 2.4 | 2.3 | 6.3 | 7.0 | 22.3 | 17.7 | 10.2 | 8.1 | 6.6 | 7.0 | 2.3 | 22.3 | 6.3 |
| | NW | N | NE | NE | NE | N | NNE | E | ESE | SE | SE | SE | SE | SE | SE | ESE | E | E | SSW | SSW | SSW | SSW | WSW | WNW | | | 107(ESE) |
| Jul 20 | 7.5 | 7.1 | 5.2 | 0.4 | 1.8 | 3.0 | 3.3 | 2.3 | 4.7 | 9.4 | 8.1 | 9.0 | 9.7 | 11.0 | 10.7 | 9.9 | 20.2 | 15.5 | 12.0 | 11.5 | 14.4 | 15.8 | 18.0 | 15.5 | 0.4 | 20.2 | 9.4 |
| | WNW | WNW | WNW | SSE | SSW | SW | WSW | W | W | WSW | W | W | WNW | W | WNW | NW | N | N | N | N | NNE | NNE | NNE | NNE | | | 305(WNW) |
| Jul 21 | 13.4 | 13.6 | 14.3 | 15.0 | 13.8 | 12.4 | 9.3 | 9.1 | 7.7 | 5.7 | 4.5 | 2.2 | 3.3 | 4.8 | 5.6 | 4.3 | 5.5 | 2.7 | 2.7 | 5.1 | 2.9 | 1.4 | 0.9 | 1.3 | 0.9 | 15.0 | 6.7 |
| | NNE | N | NNE | N | N | NNE | NNE | NNE | NNE | NE | NNE | N | NNW | NNW | NNW | NNW | NNE | NW | W | SW | SSW | SSE | WSW | NNW | | | 351(N) |
| Jul 22 | 1.2 | 1.3 | 0.1 | 1.5 | 1.4 | 2.6 | 4.0 | 4.1 | 7.2 | 10.6 | 10.5 | 10.5 | 10.1 | 9.1 | 9.9 | 9.2 | 6.5 | 5.8 | 4.7 | 6.9 | 4.9 | 2.1 | 1.8 | 0.5 | 0.1 | 10.6 | 5.3 |
| | NW | N | WSW | NNW | N | W | W | SSW | SSW | WSW | SW | SSW | SSW | SSW | SSW | S | SSW | WSW | S | SE | SE | SE | N | NW | | | 230(SW) |
| Jul 23 | 0.8 | 1.4 | 4.9 | 4.9 | 4.6 | 4.0 | 3.1 | 3.4 | 5.3 | 7.9 | 13.6 | 13.7 | 14.8 | 15.7 | 16.0 | 14.1 | 15.5 | 13.2 | 10.8 | 10.7 | 6.6 | 3.7 | 3.8 | 4.8 | 0.8 | 16.0 | 8.2 |
| | WNW | SSE | ENE | ENE | ENE | E | SE | SE | SE | SE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SSE | SE | SSE | SE | SSE | S | S | | | 145(SE) |
| Jul 24 | 2.1 | 2.4 | 3.3 | 1.6 | 1.6 | 3.6 | 3.6 | 3.3 | 10.6 | 12.7 | 13.6 | 14.8 | 21.8 | 20.7 | 19.6 | 19.5 | 20.2 | 17.5 | 20.9 | 15.5 | 14.7 | 6.0 | 7.4 | 9.2 | 1.6 | 21.8 | 11.1 |
| | SSE | E | SE | E | N | E | ENE | ESE | SSE | S | SSW | WSW | WSW | W | WSW | W | NW | WNW | W | W | WNW | NW | WNW | WNW | | | 255(WSW) |
| Jul 25 | 9.5 | 8.5 | 8.4 | 8.1 | 9.5 | 8.7 | 8.1 | 11.2 | 14.7 | 15.9 | 17.4 | 17.6 | 18.8 | 19.3 | 16.2 | 11.7 | 10.9 | 4.6 | 10.9 | 9.4 | 5.1 | 7.5 | 5.4 | 3.6 | 3.6 | 19.3 | 10.9 |
| | WNW | W | WNW | WNW | W | WNW | WNW | NW | NW | NW | NW | NW | NW | NW | NW | WNW | W | NNW | NNW | NW | W | NW | NNW | N | | | 306(NW) |
| Jul 26 | 2.4 | 3.1 | 4.3 | 4.8 | 6.6 | 6.7 | 5.8 | 6.3 | 3.7 | 3.2 | 5.4 | 3.8 | 11.1 | 12.3 | 5.7 | 12.1 | 4.0 | 7.0 | 6.6 | 7.4 | 9.5 | 6.0 | 5.6 | 7.3 | 2.4 | 12.3 | 6.3 |
| | SW | WNW | NNW | NNW | NW | NW | NW | NW | NW | WSW | W | W | NW | NW | NNW | NNE | NE | N | NNE | NNE | NNW | NNW | NNW | NNE | | | 331(NNW) |
| Jul 27 | 7.0 | 6.1 | 4.7 | 3.0 | 8.2 | 10.8 | 7.7 | 7.5 | 10.1 | 8.0 | 8.4 | 8.5 | 7.6 | 5.8 | 6.5 | 6.4 | 4.4 | 6.4 | 4.8 | 4.5 | 2.8 | 1.8 | 1.7 | 2.6 | 1.7 | 10.8 | 6.1 |
| | NNE | NNE | NNE | N | N | N | N | NNE | NNE | NNE | NNE | N | N | NNW | NNE | NE | NE | NE | E | E | E | ENE | NNW | N | | | 27(NNE) |
| Jul 28 | 2.5 | 1.9 | 3.2 | 0.7 | 0.2 | 0.5 | 2.5 | 2.0 | 3.1 | 6.2 | 8.2 | 6.4 | 3.3 | 2.1 | 2.5 | 4.3 | 3.7 | 1.8 | 1.4 | 3.4 | 1.7 | 0.9 | 1.9 | 1.5 | 0.2 | 8.2 | **2.7** |
| | NNE | NE | N | NNW | ESE | SW | SE | SE | SE | SSE | S | S | SSE | NE | NW | SSE | SSW | E | NW | S | SSE | NNE | N | SSE | | | 132(SE) |
| Jul 29 | 2.9 | **0.0** | 2.1 | 2.2 | 2.4 | 0.9 | 1.7 | 5.6 | 5.3 | 7.6 | 9.4 | 10.8 | 5.7 | 6.5 | 6.7 | 5.3 | 7.0 | 6.3 | 9.8 | 6.8 | 5.8 | 1.7 | 1.3 | 4.8 | **0.0** | 10.8 | 4.9 |
| | S | NE | N | NNW | NNW | NW | S | S | S | S | S | S | SSW | S | SSW | SSW | SSW | SSW | S | S | S | SW | NW | SSW | | | 203(SSW) |
| Jul 30 | 5.4 | 1.4 | 4.0 | 3.4 | 3.4 | 1.4 | 0.7 | 2.8 | 3.5 | 5.0 | 7.3 | 8.5 | 7.3 | 5.2 | 2.5 | 3.3 | 1.6 | 2.8 | 2.1 | 2.8 | 0.9 | 3.2 | 1.5 | 0.6 | 0.6 | 8.5 | 3.4 |
| | SW | WNW | N | NNW | NNW | NNW | NNW | S | S | S | S | S | S | S | SSE | E | SE | S | SSE | SSE | E | N | N | N | | | 184(S) |
| Jul 31 | 4.0 | 2.7 | 2.8 | 2.8 | 2.9 | 4.3 | 3.9 | 5.4 | 6.2 | 7.7 | 10.1 | 9.5 | 10.3 | 9.5 | 9.3 | 9.7 | 7.2 | 7.7 | 6.1 | 6.9 | 9.1 | 20.7 | 14.6 | 10.4 | 2.7 | 20.7 | 7.7 |
| | N | NNW | N | NNE | NE | NE | E | E | SE | SSE | SSE | SE | SSE | SE | SSE | S | SSE | SSE | SSE | SSE | SE | WSW | W | NW | | | 132(SE) |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **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.

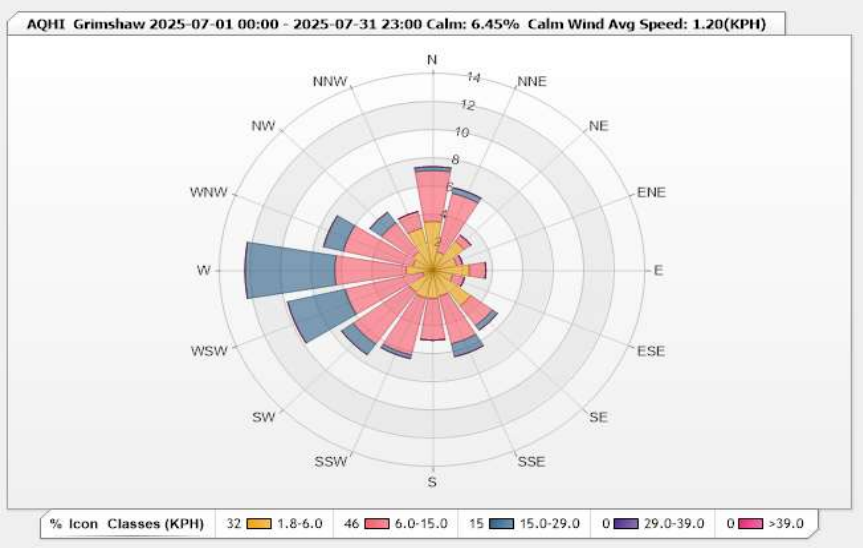
Monthly Average is shown "-" if minimum data completeness criteria of 75% of days per month is not met.

**Station: AQHI Grimshaw Monitor: WDS [KPH] Monthly: 07-2025**

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

Calm (WS<1.8kph): 6.45% 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 | 3.49 | 3.63 | 0.27 | 0 | 0 | 7.39 |
| NNE | 1.34 | 4.3 | 0.4 | 0 | 0 | 6.04 |
| NE | 2.55 | 0.54 | 0 | 0 | 0 | 3.09 |
| ENE | 1.61 | 0.4 | 0 | 0 | 0 | 2.01 |
| E | 2.42 | 1.08 | 0 | 0 | 0 | 3.5 |
| ESE | 1.34 | 0.81 | 0 | 0 | 0 | 2.15 |
| SE | 3.09 | 1.75 | 0.4 | 0 | 0 | 5.24 |
| SSE | 1.88 | 3.49 | 0.94 | 0 | 0 | 6.31 |
| S | 2.02 | 2.96 | 0 | 0 | 0 | 4.98 |
| SSW | 2.02 | 4.17 | 0.27 | 0 | 0 | 6.46 |
| SW | 1.88 | 4.57 | 0.94 | 0 | 0 | 7.39 |
| WSW | 0.67 | 5.24 | 3.9 | 0 | 0 | 9.81 |
| W | 1.75 | 4.7 | 5.91 | 0 | 0 | 12.36 |
| WNW | 1.34 | 4.7 | 1.34 | 0 | 0 | 7.38 |
| NW | 1.61 | 2.55 | 0.94 | 0 | 0 | 5.1 |
| NNW | 3.09 | 1.21 | 0 | 0 | 0 | 4.3 |
| Summary | 32.1 | 46.1 | 15.31 | 0 | 0 | 93.51 |



# END OF REPORT

This page, 152 of 152, ends the July 2025 Monthly Ambient Air Quality Monitoring Report.

**Peace River Area Monitoring Program**

# JULY 2025

## Ambient Air Monitoring Calibration Report

## - 842-B STATION-

## CAL-PRAMP-202507-01561

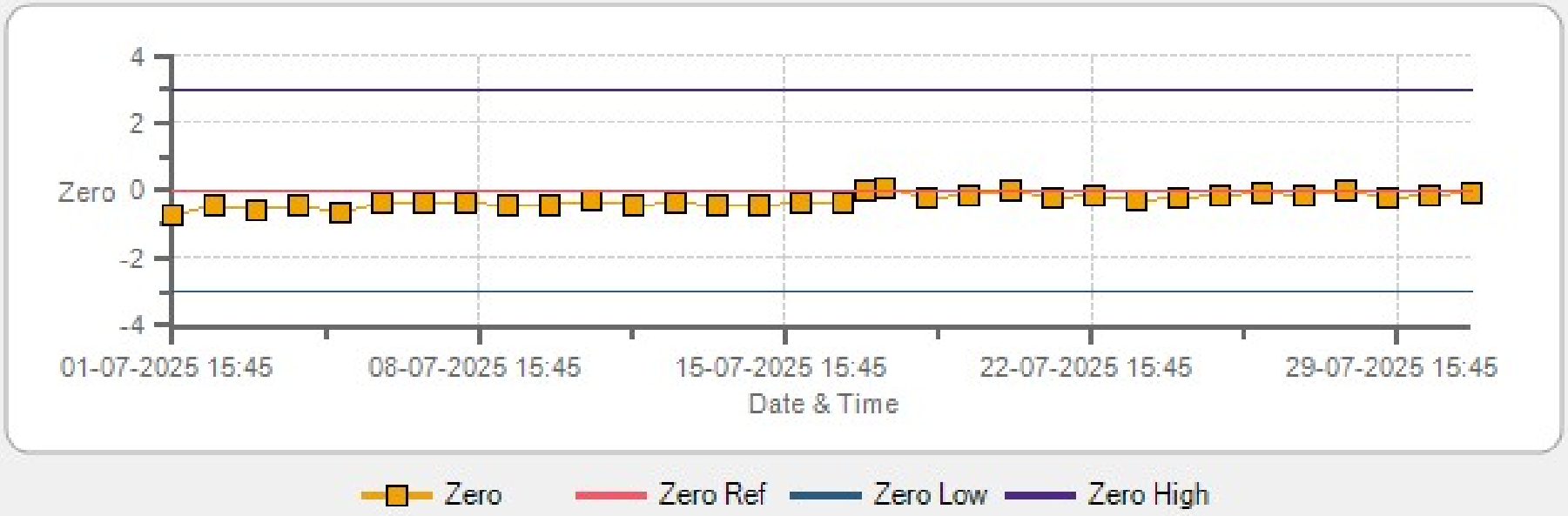
**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Bureau Veritas Canada

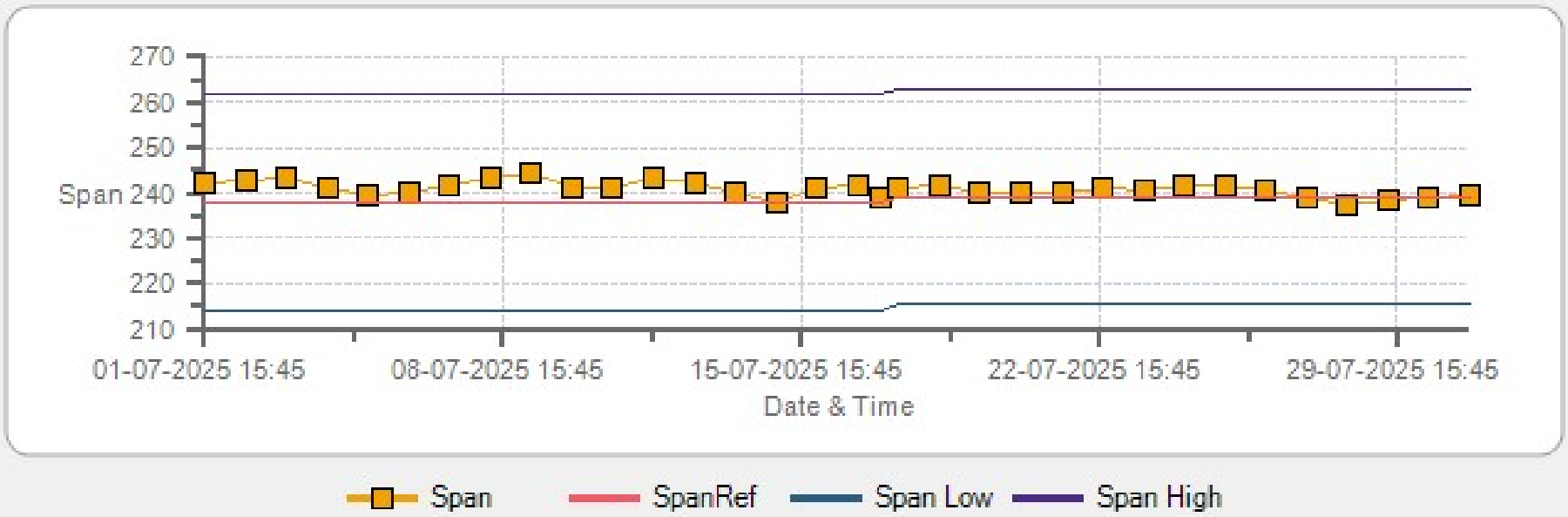
August 5, 2025

# DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

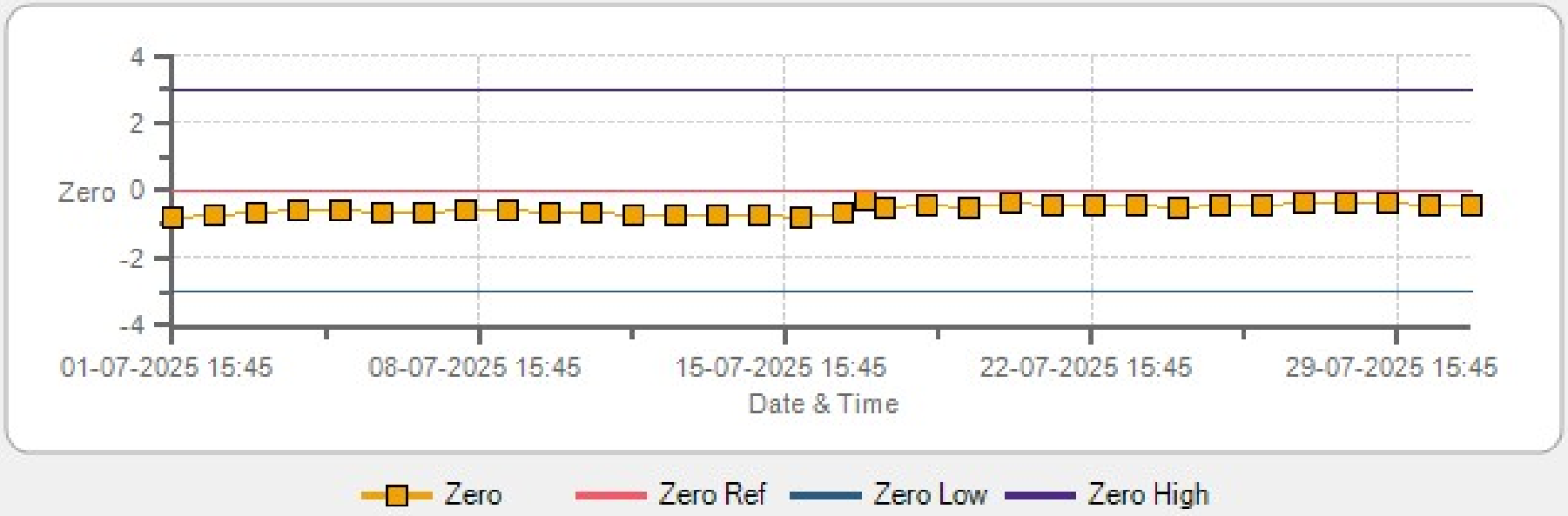
SO2[ppb] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Zero



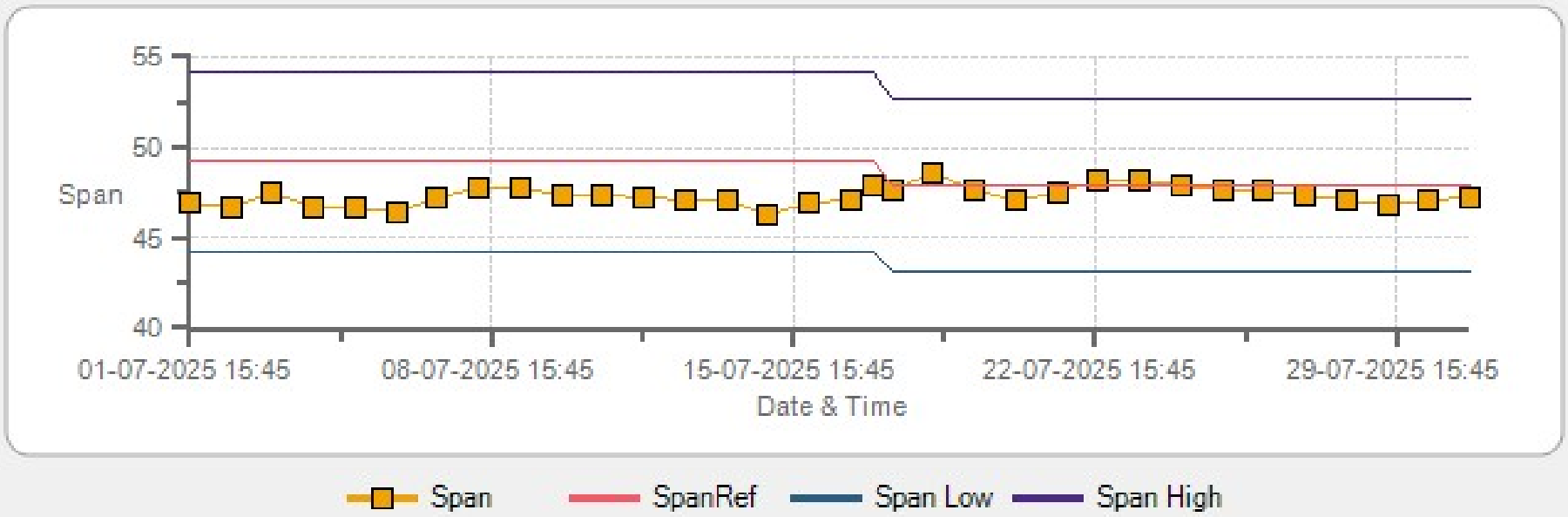

SO2[ppb] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Span



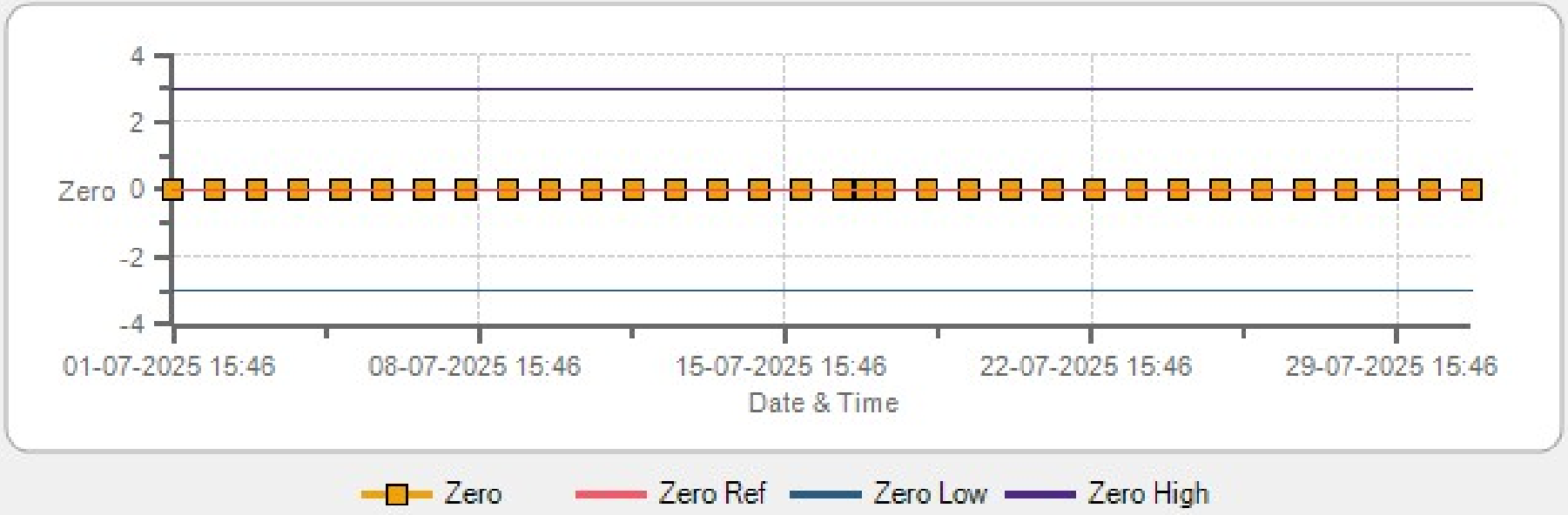
TRS[ppb] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Zero



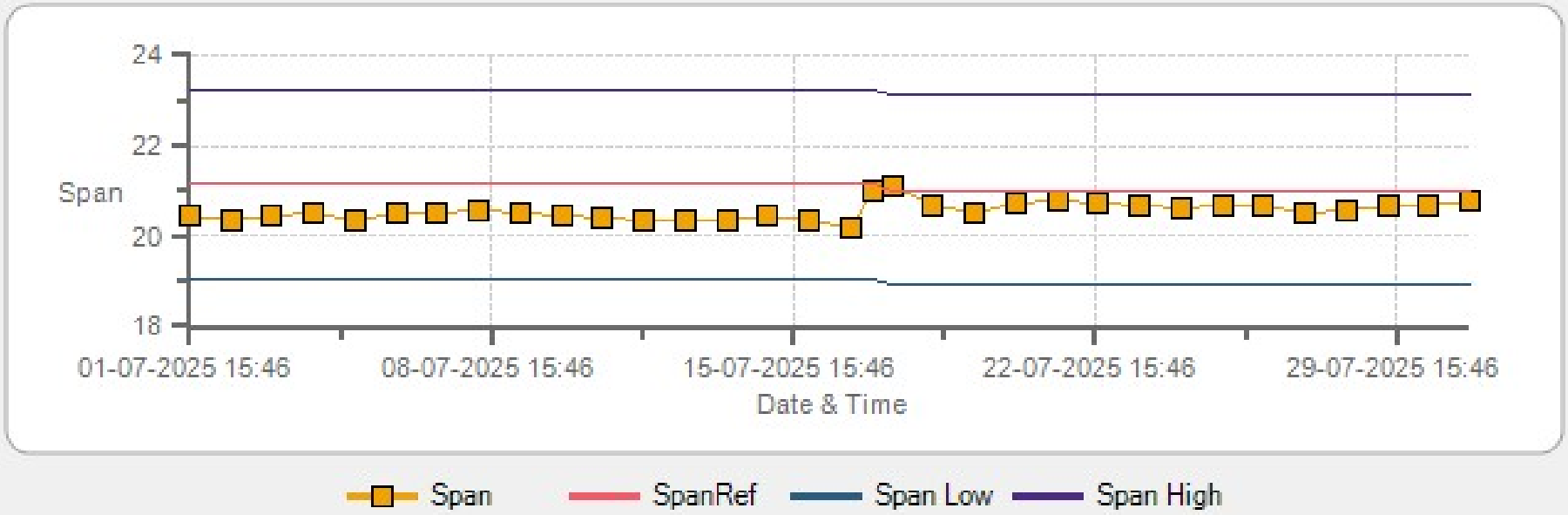

TRS[ppb] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Span



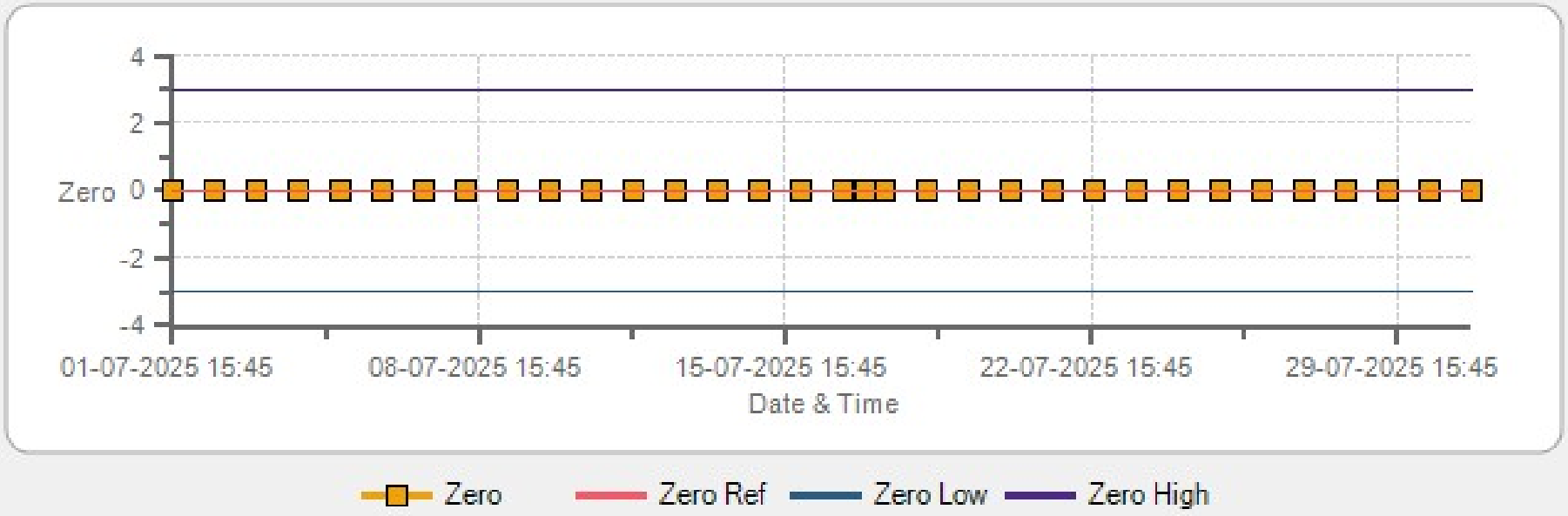
THC55[ppm] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Zero



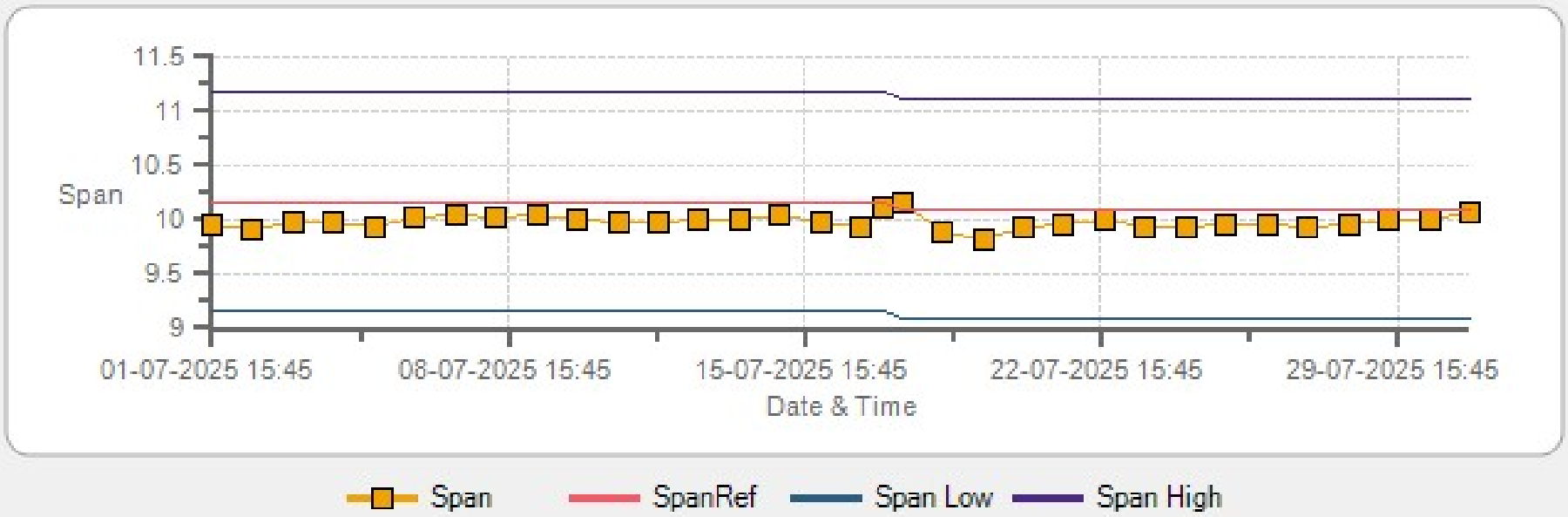

THC55[ppm] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Span

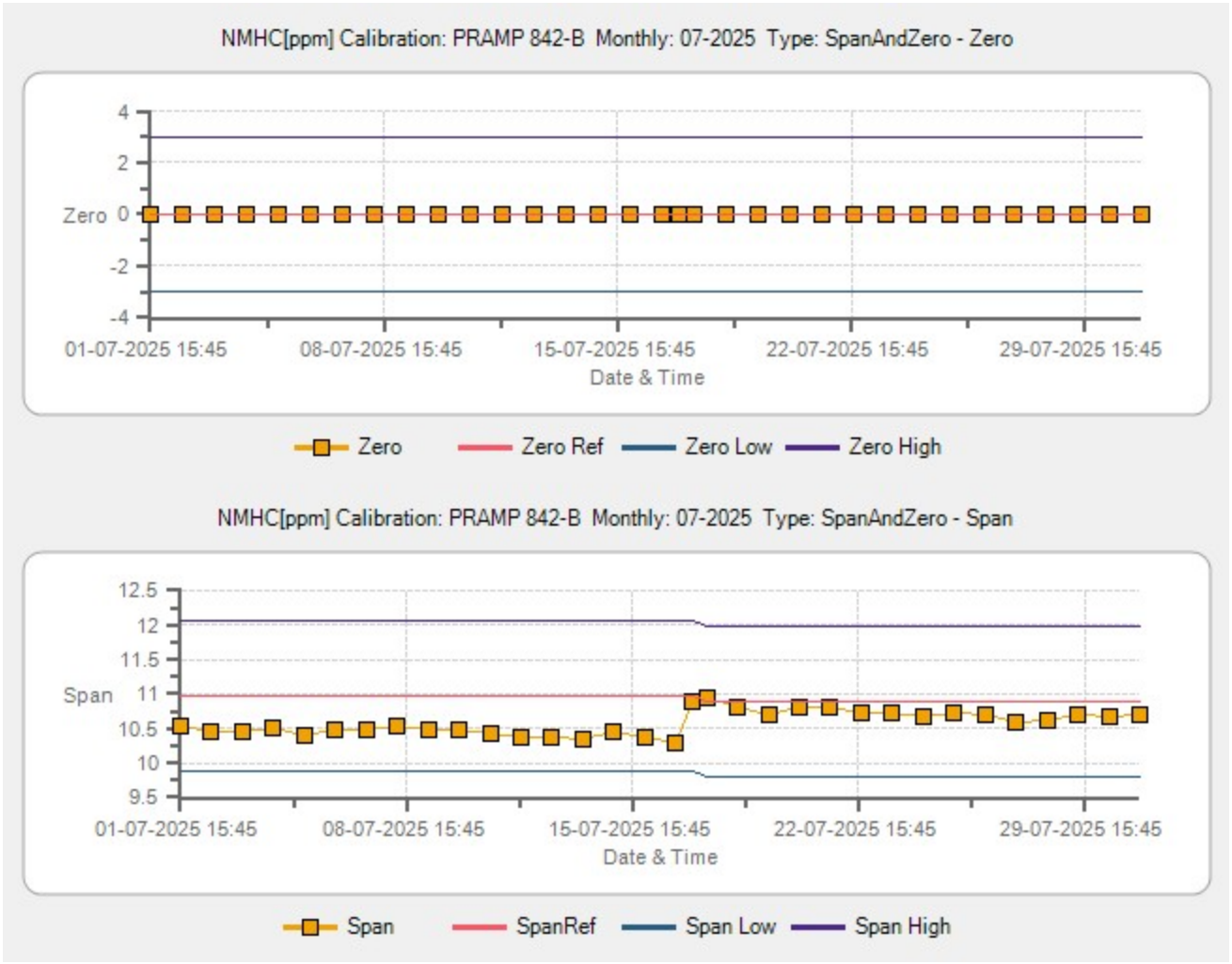


CH4[ppm] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Zero




CH4[ppm] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Span




NMHC[ppm] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-07-2025 15:45
08-07-2025 15:45
15-07-2025 15:45
22-07-2025 15:45
29-07-2025 15:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: PRAMP 842-B Monthly: 07-2025 Type: SpanAndZero - Span
12.5
12
11.5
Span 11
10.5
10
9.5
01-07-2025 15:45
08-07-2025 15:45
15-07-2025 15:45
22-07-2025 15:45
29-07-2025 15:45
Date & Time
Span
SpanRef
Span Low
Span High

# MULTI-POINT CALIBRATION RECORDS

# SO2 Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 17-Jul-2025 | PREVIOUS CALIBRATION DATE: | 03-Jun-2025 |
| PARAMETER: | SO2 | PREVIOUS CORRECTION FACTOR: | 1.001 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 21.5 |
| LOCATION: | 842b | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 08:30 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:22 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43iQ-TL | RANGE | 500 | ppb |
| SERIAL # | 1200736629 | FLOW (mL/min) | 426 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 9.5 | BKG/OFFSET | 9.2 | |
| COEF/SLOPE | 1.128 | COEF/SLOPE | 1.124 | |
| Expected (reference) Value | 237.8 | Expected (reference) Value | 239.1 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | 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): | 800 | 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 | -0.5 | 0 | | |
| 3940 | 60.60 | 4001 | 380.17 | 377.1 | 378.3 | 1.007 | 1.005 |
| 3970 | 28.70 | 3999 | 180.14 | n/a | 181 | n/a | 0.995 |
| 3986 | 14.40 | 4000 | 90.36 | n/a | 90.4 | n/a | 1.000 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 0.995 | 0.1% |

**COMMENTS:**

Sample Filter Changed

SO2[ppb] Station: PRAMP 842-B Daily: 2025-07-17 Type: AVG 1 Min. [1 Min.]

# TRS Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 17-Jul-2025 | PREVIOUS CALIBRATION DATE: | 03-Jun-2025 |
| PARAMETER: | TRS | PREVIOUS CORRECTION FACTOR: | 0.999 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 21.5 |
| LOCATION: | 842b | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 08:30 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:22 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43iQ-TL | RANGE | 100 | ppb |
| SERIAL # | 1200736630 | FLOW (mL/min) | 377 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 15.7 | BKG/OFFSET | 16.2 | |
| COEF/SLOPE | 0.924 | COEF/SLOPE | 0.931 | |
| Expected (reference) Value | 49.21 | Expected (reference) Value | 47.88 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1500 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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:**

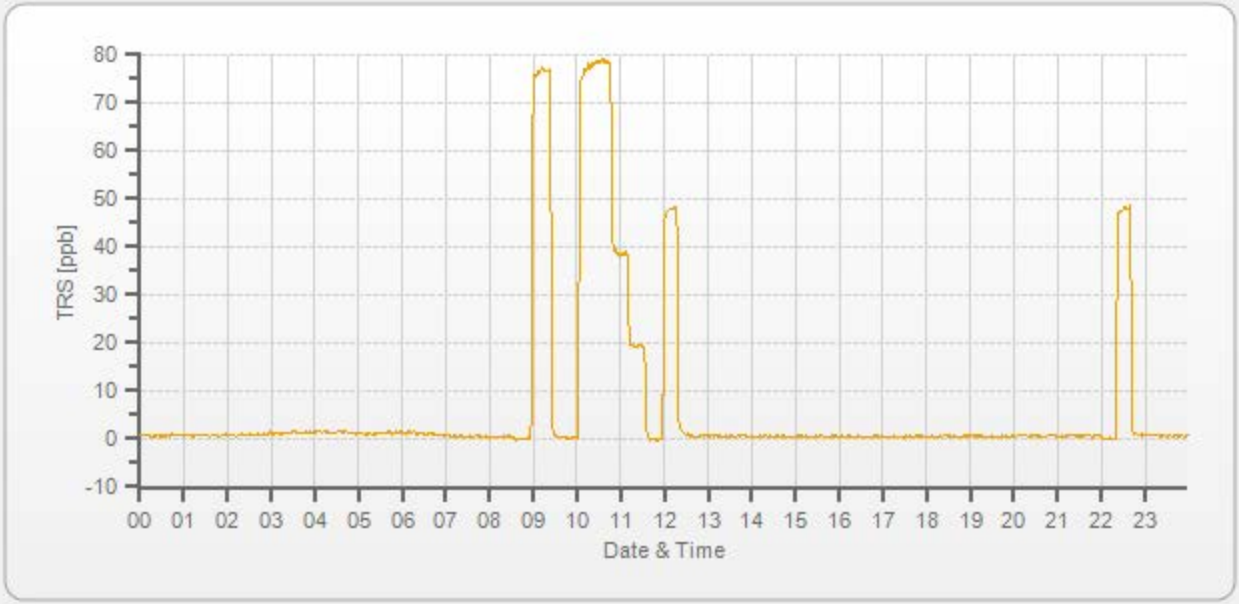
| FLOW RATES (mL/min) | | | CONCENTRATION (ppb) | | | CORRECTION FACTOR | |
|---|---|---|---|---|---|---|---|
| | | | ACTUAL | INDICATED | | Initial | Final |
| DILUENT | GAS | TOTAL | | Initial | Final | | |
| 3999 | | 3999 | 0.00 | -0.28 | 0 | | |
| 3969 | 32.20 | 4001 | 78.07 | 76.33 | 78.18 | 1.019 | 0.999 |
| 3983 | 15.70 | 3999 | 38.08 | n/a | 38.12 | n/a | 0.999 |
| 3992 | 7.80 | 4000 | 18.92 | n/a | 19.17 | n/a | 0.987 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.000 | 0.1% |

**COMMENTS:**

TRS Converter CDNOVA CDN #552


TRS[ppb] Station: PRAMP 842-B Daily: 2025-07-17 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: | 17-Jul-2025 | PREVIOUS CALIBRATION DATE: | 03-Jun-2025 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 21.5 |
| LOCATION: | 842b | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 08:29 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:16 |

**ANALYZER:**

| VALUE | MAKE/MODEL | SERIAL | FLOW (mL/min) |
|---|---|---|---|
| | Thermo 55i | 12208316589 | 1081 |
| PARAMETER: | CH4 | NMHC | THC |
| RANGE (ppm): | 20 | 20 | 40 |
| PREVIOUS CF: | 0.996 | 0.998 | 0.998 |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | SABIO | MAKE: | Teledyne | CYLINDER ID: | LL83929 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | $CH_4/C_3H_8$ (ppm): | 908.0 | 299.0 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 1700 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 08-Feb-2032 | | 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 $CH_4$ | 822.25 | Use Zero Chrom? | Yes |
| RANGE | 12 - 16 | 6 - 8 | 2 - 4 | THC as $CH_4$ | 1730.25 | New Zero Chrom? | n/a |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | CH4 | NMHC | THC | FINAL | CH4 | NMHC | THC |
|---|---|---|---|---|---|---|---|
| | 10.17 | 10.97 | 21.14 | | 10.10 | 10.90 | 21.01 |

**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 | | | | | | |
| 3442 | 56.70 | 3499 | 14.71 | 13.32 | 28.04 | 14.40 | 12.62 | 27.03 | 14.71 | 13.30 | 28.02 | 1.022 | 1.056 | 1.037 | 1.000 | 1.002 | 1.001 |
| 3472 | 28.30 | 3500 | 7.34 | 6.65 | 13.99 | n/a | n/a | n/a | 7.37 | 6.67 | 14.04 | n/a | n/a | n/a | 0.996 | 0.997 | 0.996 |
| 3487 | 14.20 | 3501 | 3.68 | 3.34 | 7.02 | n/a | n/a | n/a | 3.70 | 3.34 | 7.03 | n/a | n/a | n/a | 0.995 | 0.999 | 0.998 |

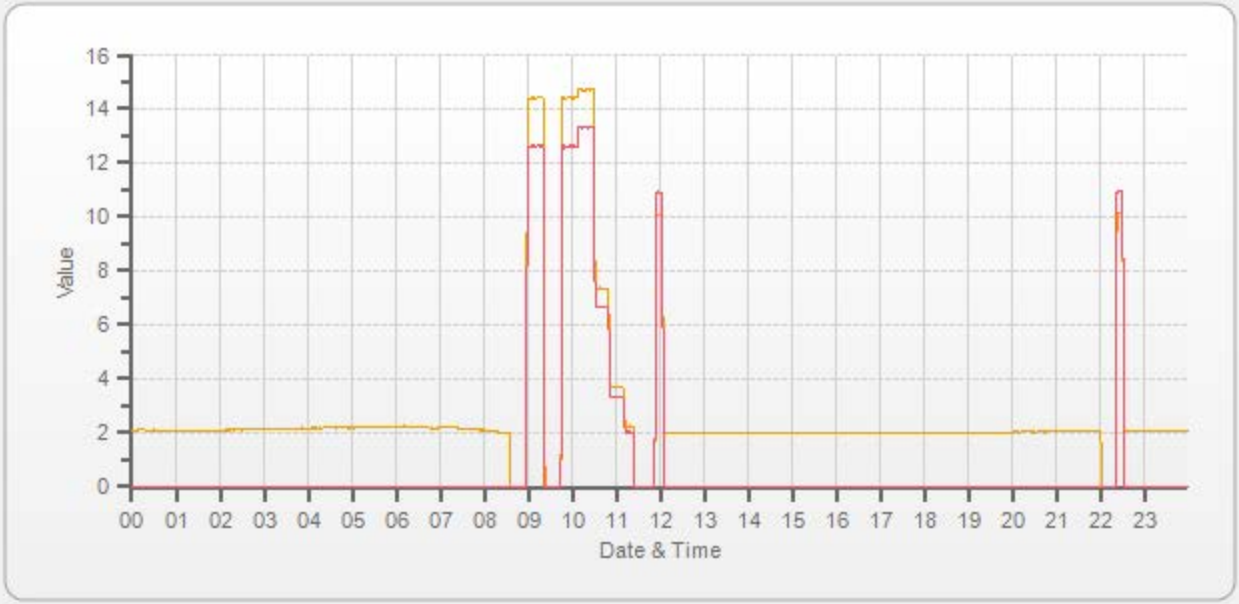
**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| CH4 | 1.000 | 1.000 | 0.1% |
| NMHC | 1.000 | 0.998 | 0.1% |
| THC | 1.000 | 0.999 | 0.0% |

**Comments:**

Sample filter changed

Station: PRAMP 842-B Daily: 2025-07-17 Type: AVG 1 Min. [1 Min.]



# Meteorological System Checklist

| | | | |
|---|---|---|---|
| Date: | July 17, 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: | June 3, 2025 | | |
| Is the sensor Level? | yes | | |
| Is the heater operating properly? | yes | | |
| Are the bucket drain holes clean? | yes | test time-10:49-10:57 | |
| Is the screen on the housing? (screen should be on between July and September | yes | | |
| 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: | June 3, 2025 | | |
| Parameter: | Temperature @ 2 metres | | |
| Reference Thermometer ID: | F.S. 181341226 expires July 24, 2025 | | |
| Reference Temperature ($^{o}$C): | 22.8 | | |
| Station - Ambient Temperature ($^{o}$C): | 23.2 | | |
| Temperature Difference ($^{o}$C): | -0.4 | | |
| **BAROMETRIC PRESSURE SENSOR CHECK** | | | |
| Previous check date: | June 3, 2025 | | |
| Reference Barometer ID: | Brunton 05535 Expires July 24,2025 | | |
| Reference Pressure - Units/Reading: | millibar | 942 | |
| Station  Pressure - Units/Reading: | millibar | 942.5 | |
| Pressure Tolerance +/- 15% of error: | 801 - 1083 | -0.05% | |
| **RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK** | | | |
| Previous check date: | June 3, 2025 | | |
| Reference Hygrometer ID: | F.S. 181341226 expires July 24, 2025 | | |
| Reference Hygrometer % RH- Reading: | 43.30 | | |
| Station Hygrometer % RH- Reading: | 46.90 | | |
| RH Tolerance +/- 15% of difference: | 36.81 - 49.80 | -8.3% | |
| **ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK** | | | |
| WIND SPEED | | WIND DIRECTION | |
| Wind Speed Observed (kph): | 5~10 | Wind Direction Observed: | S |
| Wind speed on Data Logger (kph): | 8.9 | Wind Direction on Data Logger: | S |
| | | 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**

# JULY 2025

## Ambient Air Monitoring Calibration Report

## - 986-C STATION-

## CAL-PRAMP-202507-01562

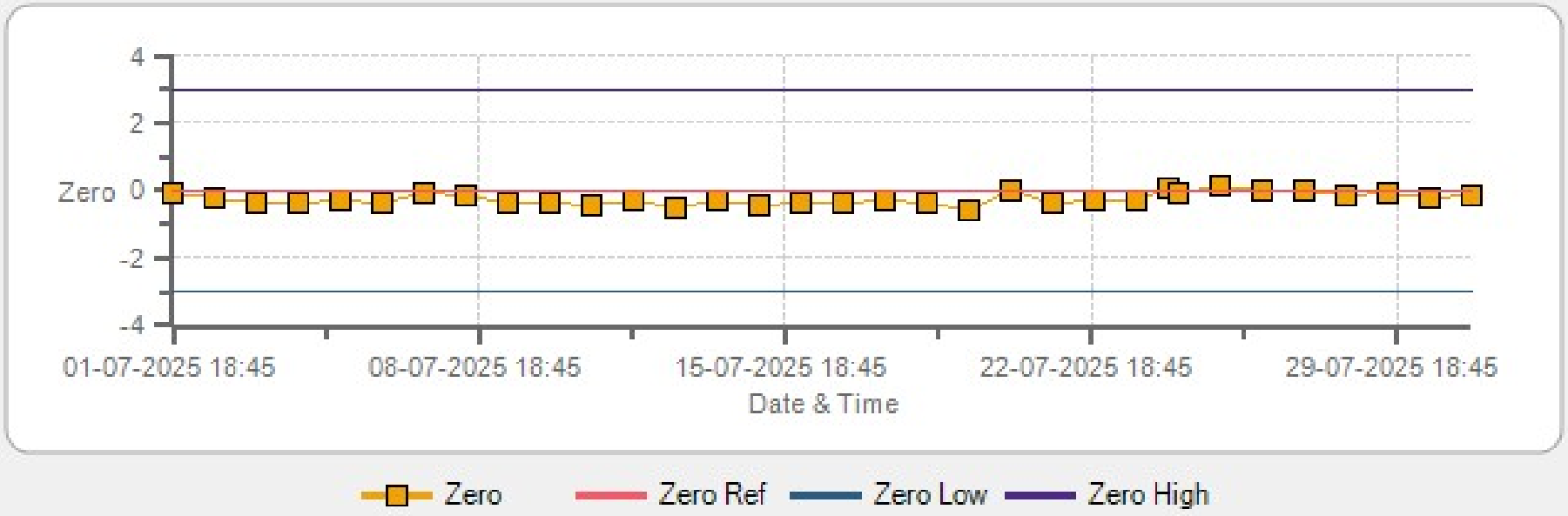
**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Bureau Veritas Canada

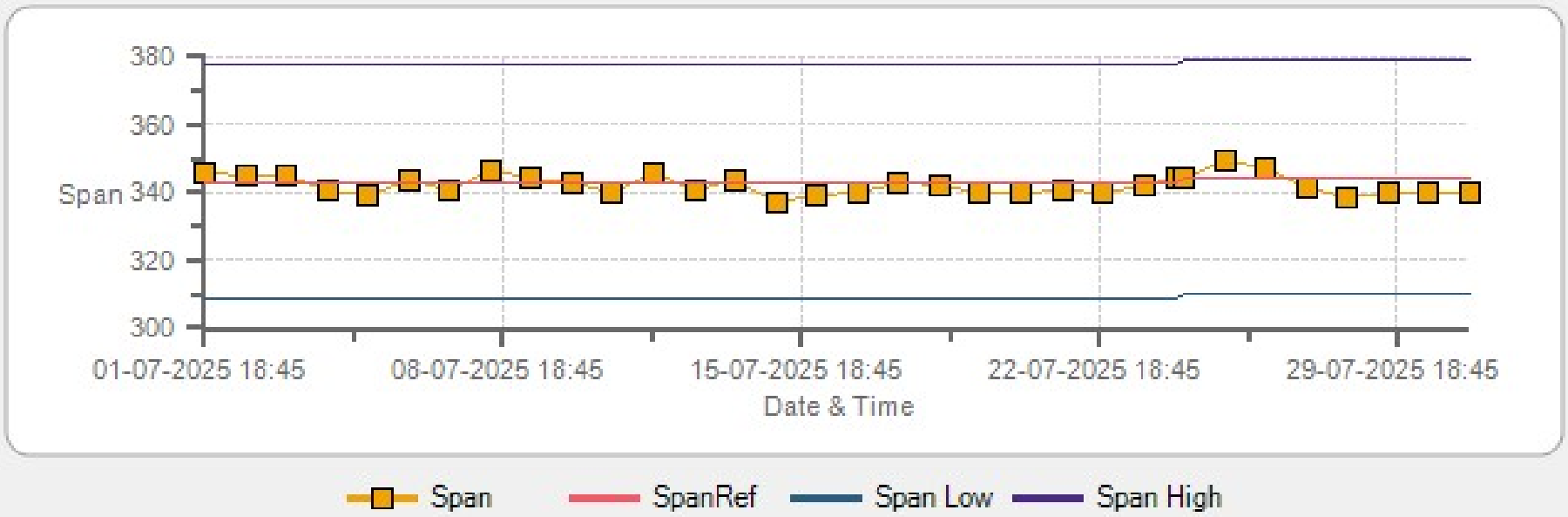
August 5, 2025

# DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

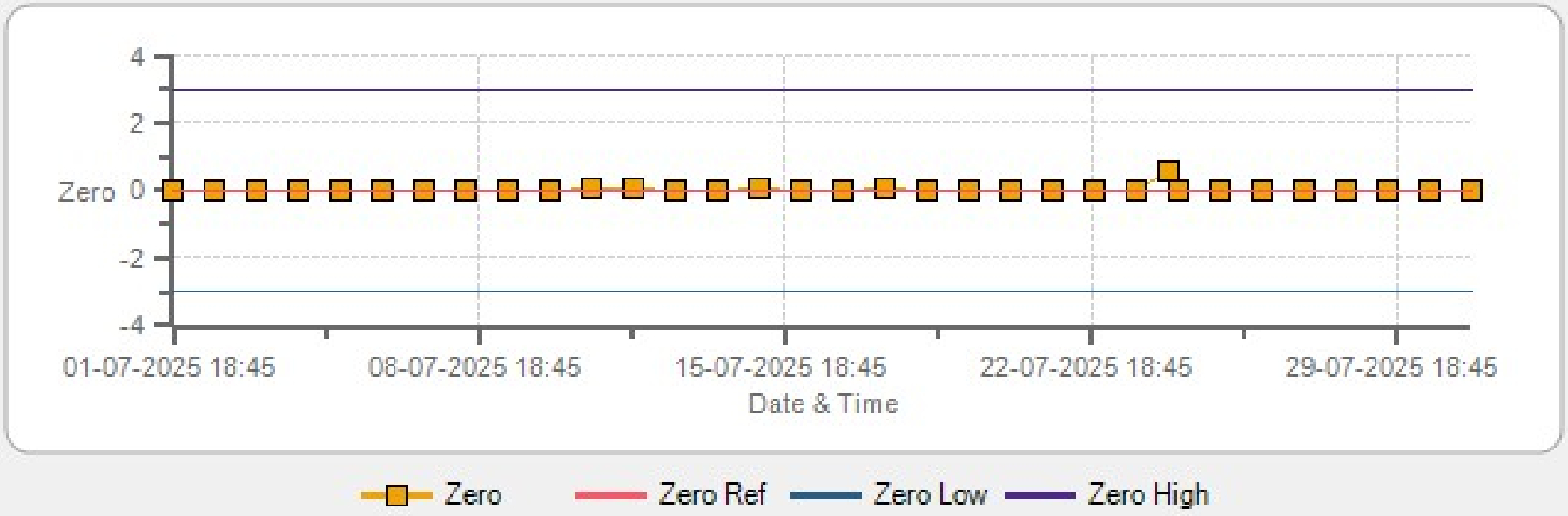
SO2[ppb] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Zero



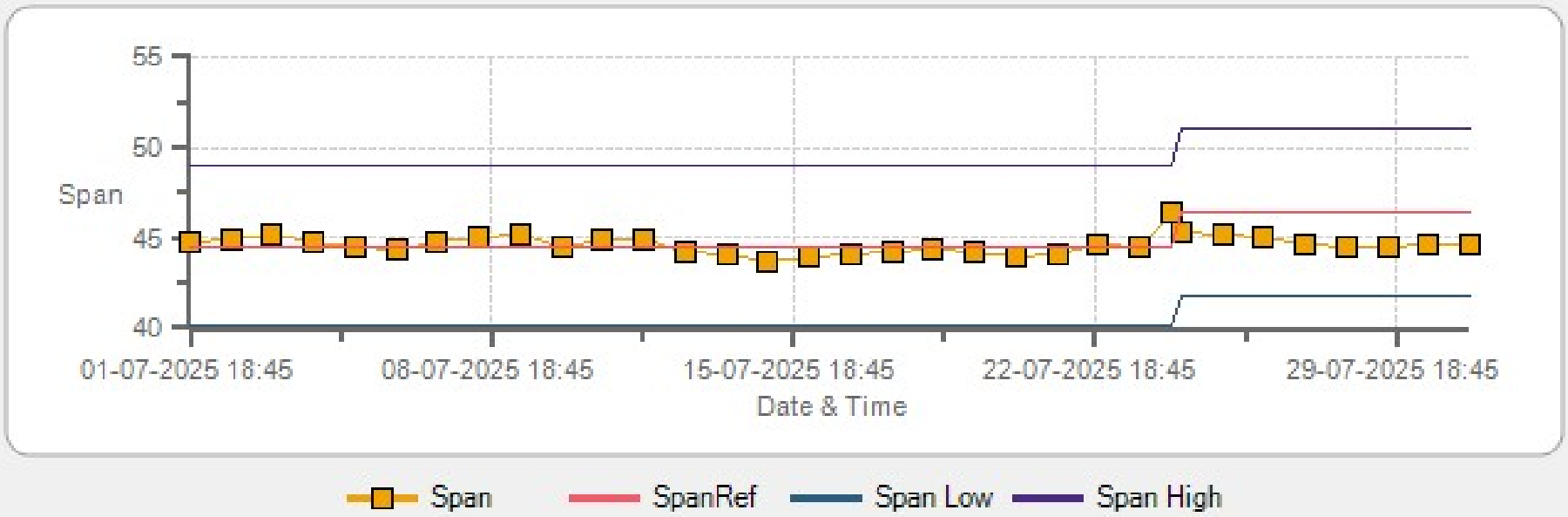

SO2[ppb] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Span



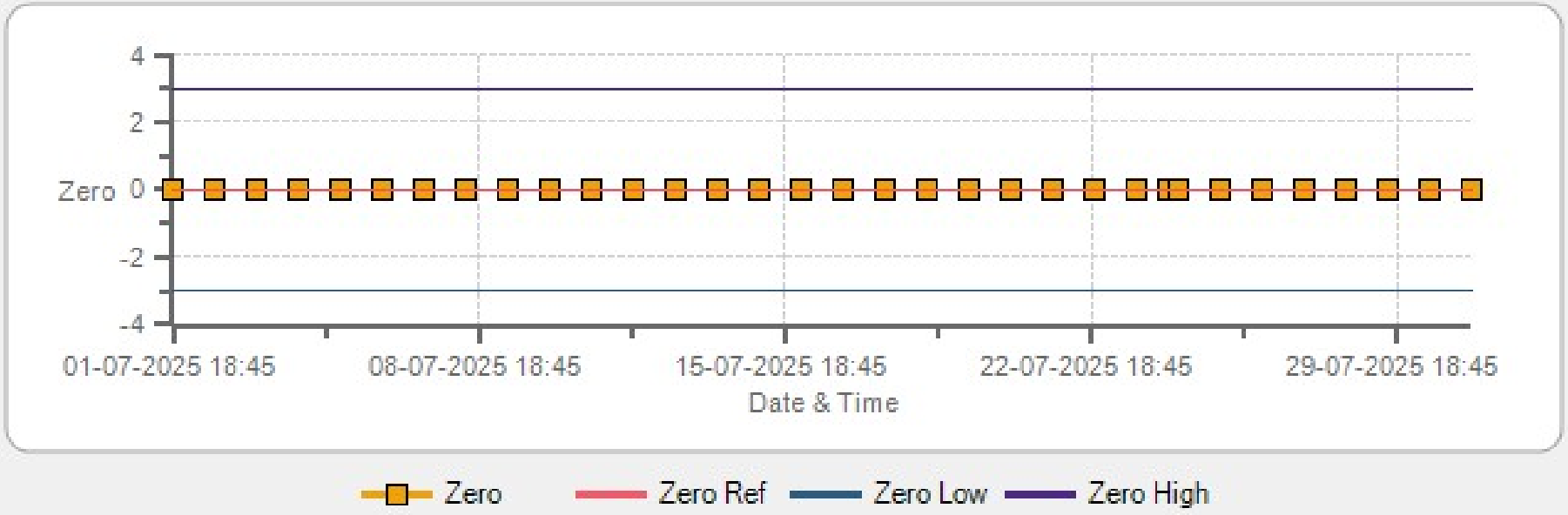
TRS[ppb] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Zero



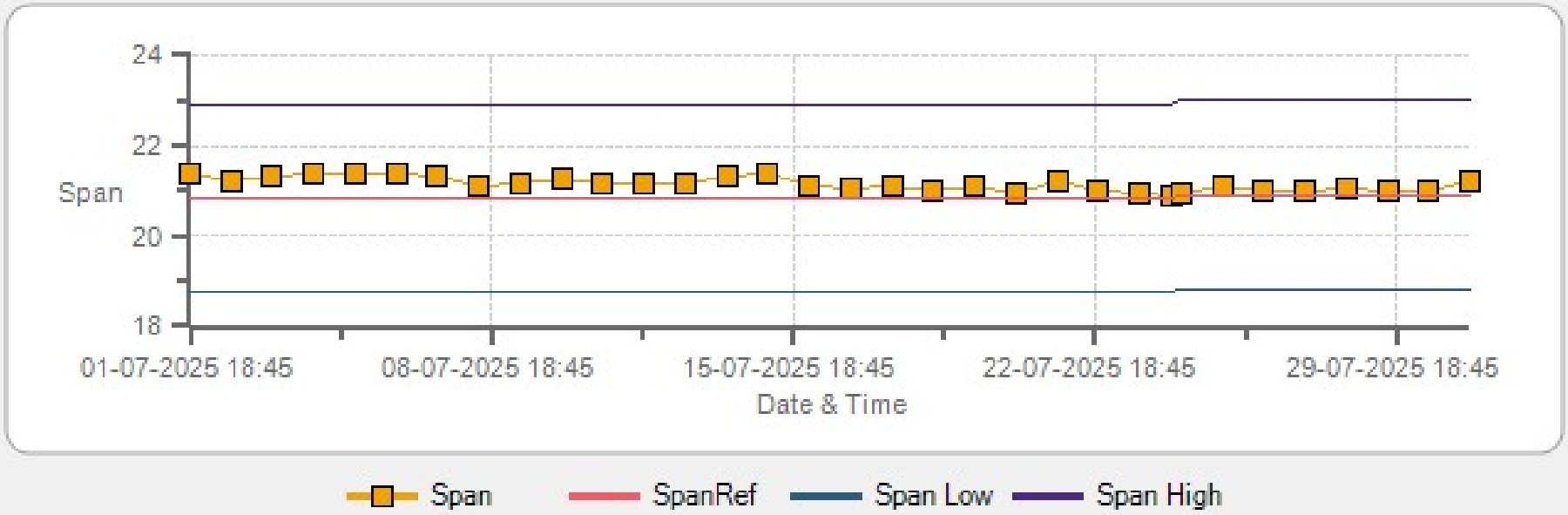

TRS[ppb] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Span



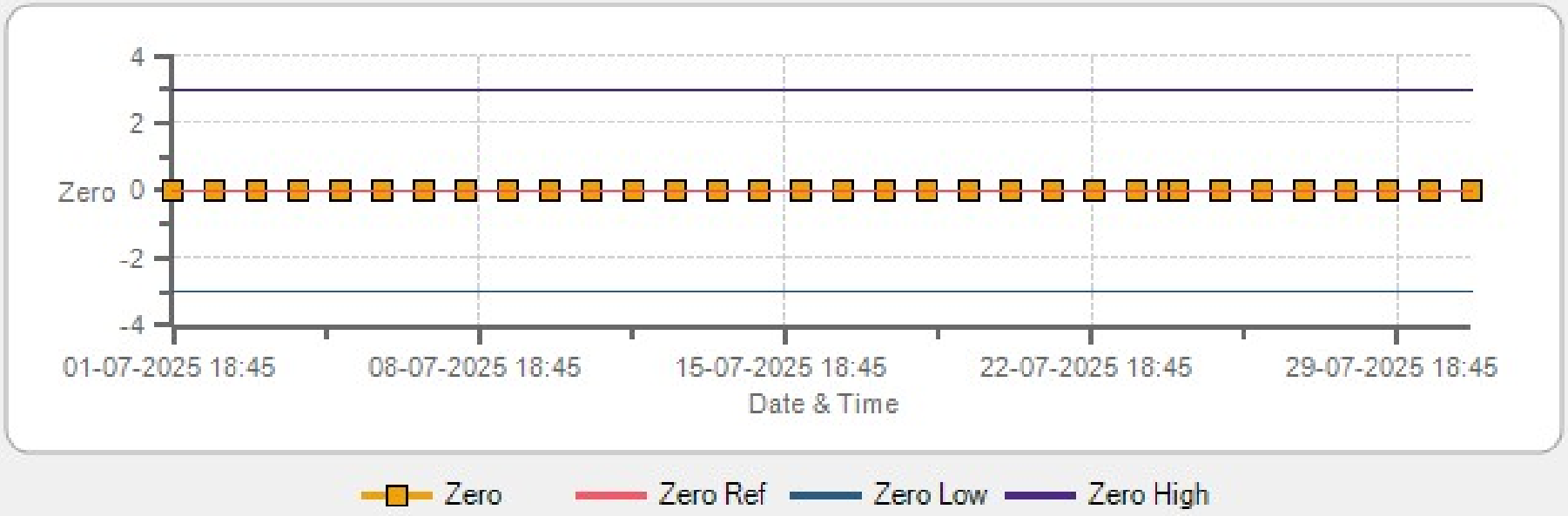
THC55[ppm] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Zero



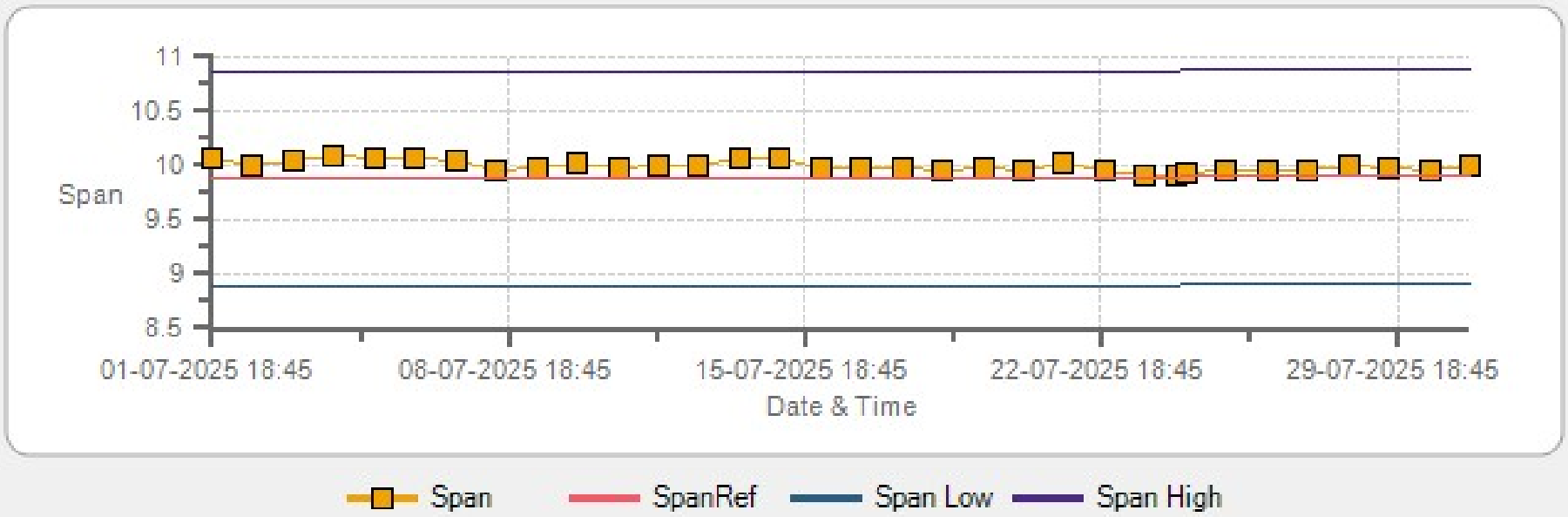

THC55[ppm] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Span



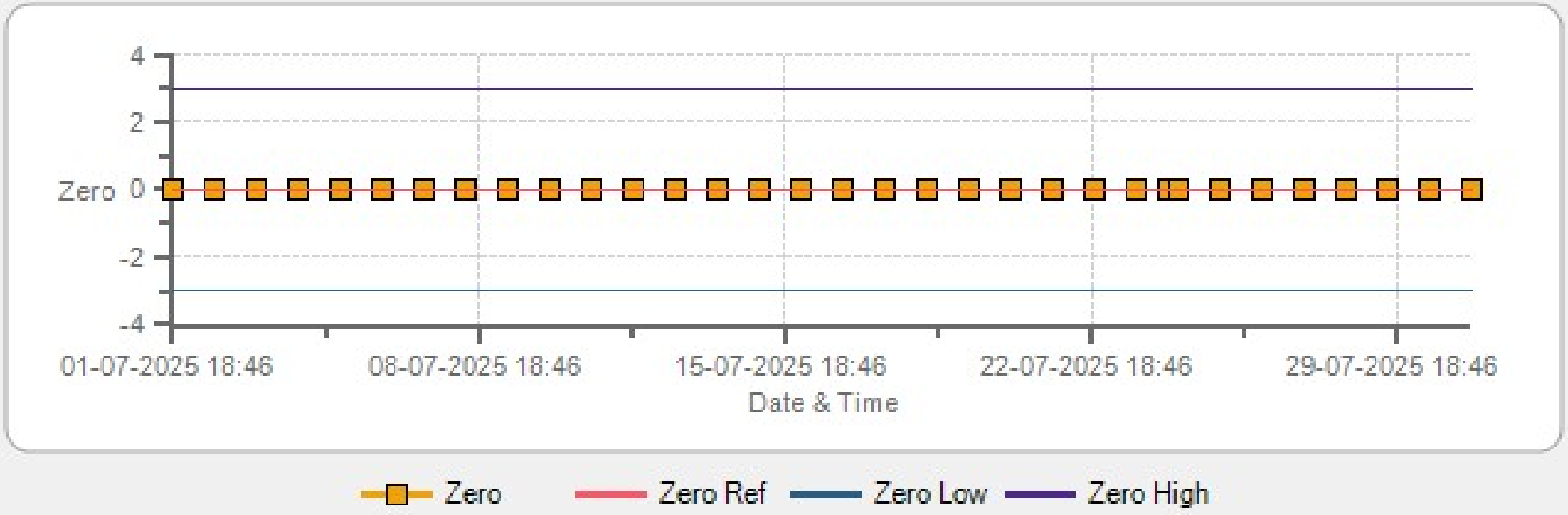
CH4[ppm] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Zero



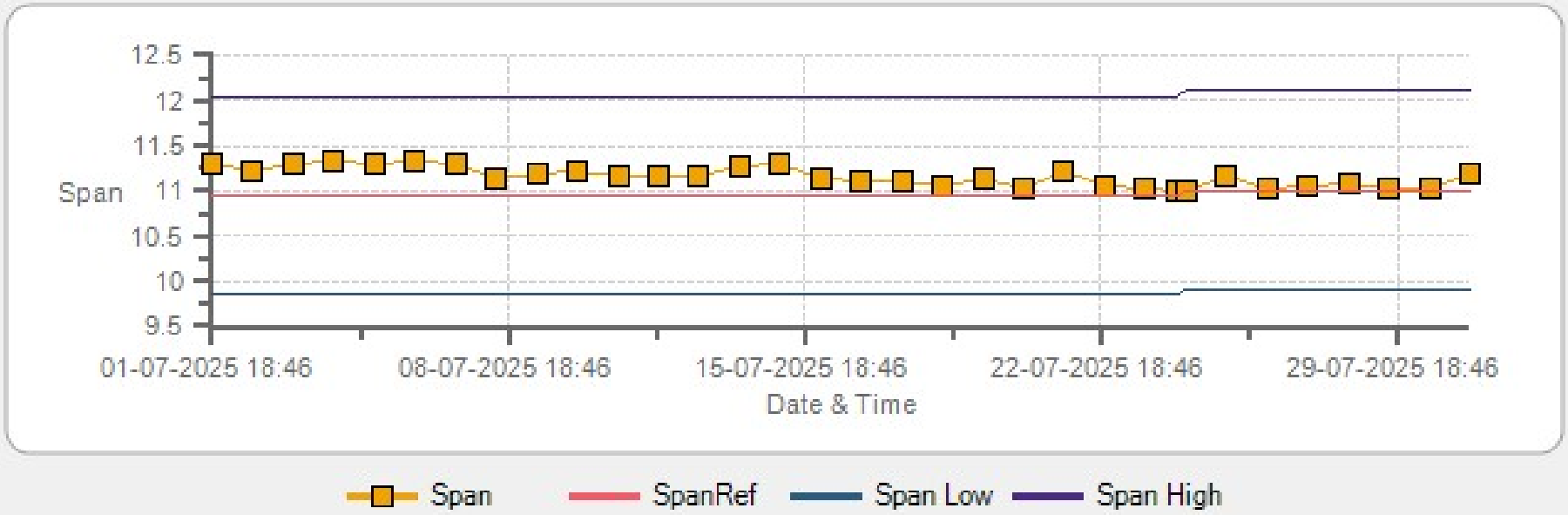

CH4[ppm] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Zero




NMHC[ppm] Calibration: PRAMP 986-C Monthly: 07-2025 Type: SpanAndZero - Span



# MULTI-POINT CALIBRATION RECORDS

# SO2 Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 24-Jul-2025 | PREVIOUS CALIBRATION DATE: | 18-Jun-2025 |
| PARAMETER: | SO2 | PREVIOUS CORRECTION FACTOR: | 0.998 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 23.5 |
| LOCATION: | 986C | BAROMETRIC (mBar): | 933 |
| PURPOSE | Routine | START TIME (MST): | 09:46 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 13:44 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43iQ-TL | RANGE | 500 | ppb |
| SERIAL # | 1193585646 | FLOW (mL/min) | 426 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 22.9 | BKG/OFFSET | 23 | |
| COEF/SLOPE | 1.043 | COEF/SLOPE | 1.044 | |
| Expected (reference) Value | 343.2 | Expected (reference) Value | 344.6 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | 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): | 1000 | 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:**

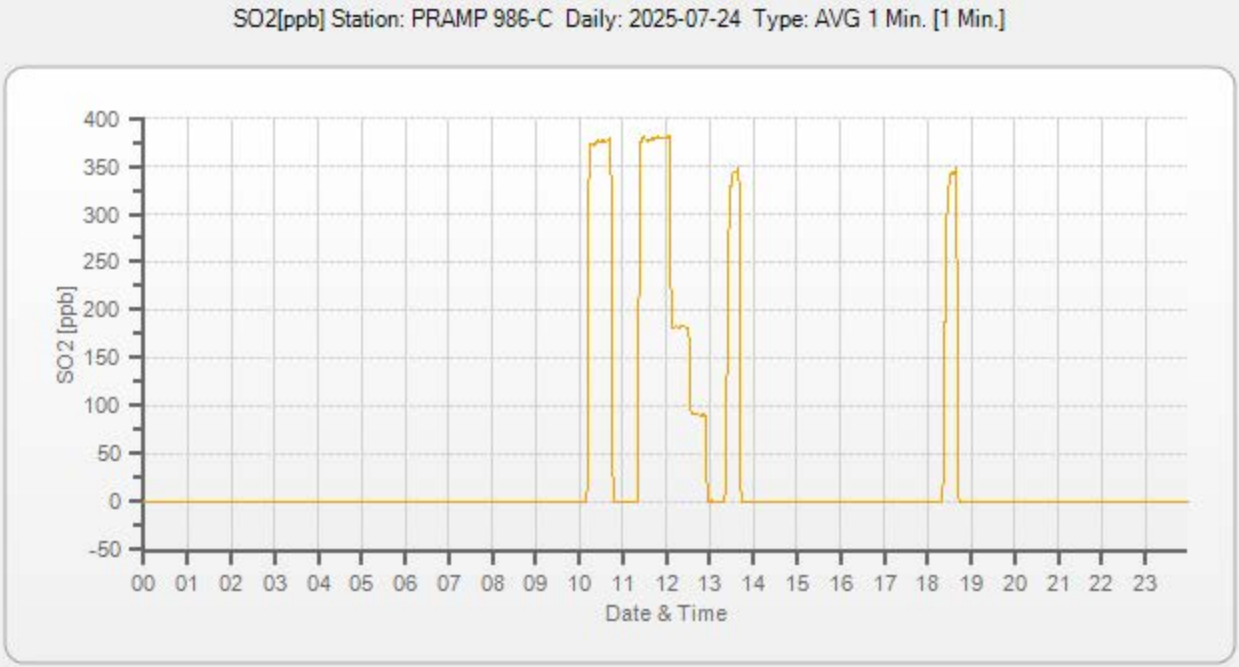
| FLOW RATES (mL/min) | | | CONCENTRATION (ppb) | | | CORRECTION FACTOR | |
|---|---|---|---|---|---|---|---|
| | | | ACTUAL | INDICATED | | Initial | Final |
| DILUENT | GAS | TOTAL | | Initial | Final | | |
| 3999 | | 3999 | 0.00 | 0.1 | 0 | | |
| 3940 | 60.60 | 4001 | 380.17 | 375.5 | 379.6 | 1.013 | 1.002 |
| 3971 | 28.70 | 4000 | 180.09 | n/a | 181.9 | n/a | 0.990 |
| 3987 | 14.40 | 4001 | 90.34 | n/a | 90.3 | n/a | 1.000 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 0.999 | 0.1% |

**COMMENTS:**

Sample Filter Changed


SO2[ppb] Station: PRAMP 986-C Daily: 2025-07-24 Type: AVG 1 Min. [1 Min.]
SO2 [ppb]
400
350
300
250
200
150
100
50
0
-50
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]

# TRS Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 24-Jul-2025 | PREVIOUS CALIBRATION DATE: | 18-Jun-2025 |
| PARAMETER: | TRS | PREVIOUS CORRECTION FACTOR: | 1.003 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 23.5 |
| LOCATION: | 986C | BAROMETRIC (mBar): | 933 |
| PURPOSE | Routine | START TIME (MST): | 09:46 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 13:45 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43i-TLE | RANGE | 100 | ppb |
| SERIAL # | 1152940011 | FLOW (mL/min) | 472 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 1.83 | BKG/OFFSET | 1.85 | |
| COEF/SLOPE | 1.07 | COEF/SLOPE | 1.078 | |
| Expected (reference) Value | 44.53 | Expected (reference) Value | 46.36 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1500 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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:**

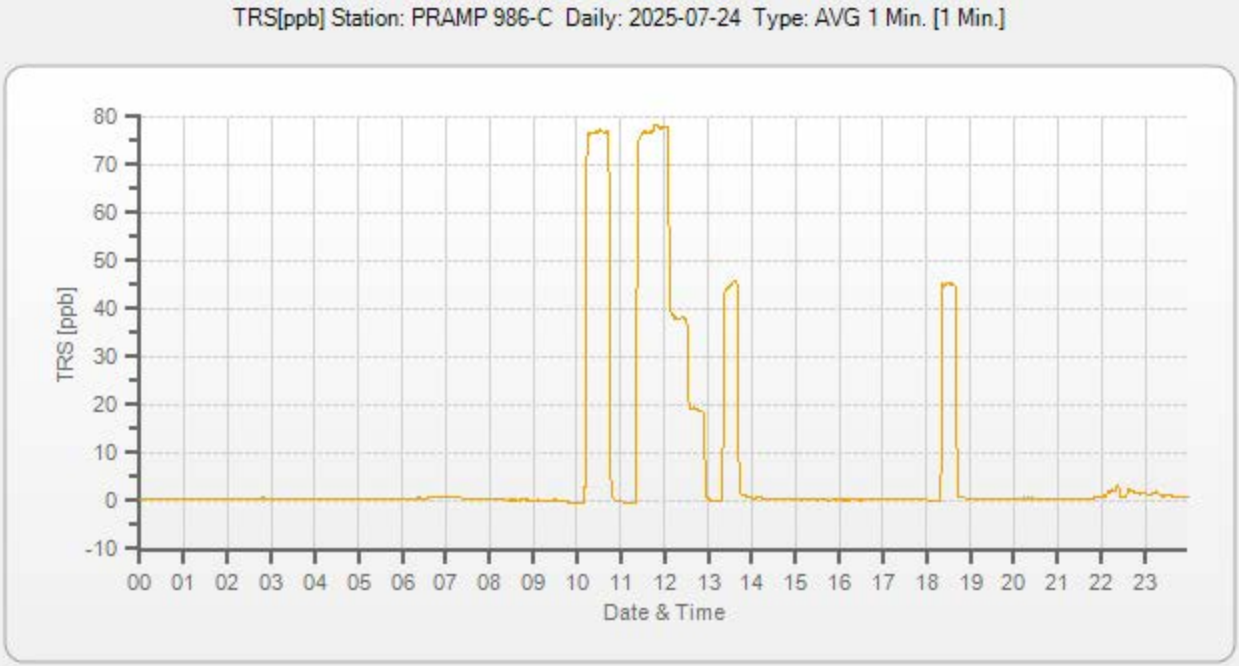
| FLOW RATES (mL/min) | | | CONCENTRATION (ppb) | | | CORRECTION FACTOR | |
|---|---|---|---|---|---|---|---|
| | | | ACTUAL | INDICATED | | Initial | Final |
| DILUENT | GAS | TOTAL | | Initial | Final | | |
| 3999 | | 3999 | 0.00 | 0 | 0 | | |
| 3969 | 32.20 | 4001 | 78.07 | 77.2 | 78.23 | 1.011 | 0.998 |
| 3984 | 15.70 | 4000 | 38.07 | n/a | 38.68 | n/a | 0.984 |
| 3993 | 7.80 | 4001 | 18.91 | n/a | 19.42 | n/a | 0.974 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.001 | 0.3% |

**COMMENTS:**

Sample Filter Changed
TRS Converter CDNOVA CDN101 #530


TRS[ppb] Station: PRAMP 986-C Daily: 2025-07-24 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: | 24-Jul-2025 | PREVIOUS CALIBRATION DATE: | 18-Jun-2025 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 23.5 |
| LOCATION: | 986C | BAROMETRIC (mBar): | 933 |
| PURPOSE | Routine | START TIME (MST): | 09:46 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 13:32 |

**ANALYZER:**

| VALUE | MAKE/MODEL | SERIAL | FLOW (mL/min) |
|---|---|---|---|
| | Thermo 55i | 1191032505 | 1095 |
| PARAMETER: | CH4 | NMHC | THC |
| RANGE (ppm): | 20 | 20 | 40 |
| PREVIOUS CF: | 1.001 | 1.004 | 1.002 |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | SABIO | MAKE: | Teledyne | CYLINDER ID: | LL83929 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | $CH_4/C_3H_8$ (ppm): | 908.0 | 299.0 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 1700 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 28-Feb-2032 | | 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 $CH_4$ | 822.25 | Use Zero Chrom? | Yes |
| RANGE | 12 - 16 | 6 - 8 | 2 - 4 | THC as $CH_4$ | 1730.25 | New Zero Chrom? | n/a |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | CH4 | NMHC | THC | FINAL | CH4 | NMHC | THC |
|---|---|---|---|---|---|---|---|
| | 9.88 | 10.94 | 20.82 | | 9.90 | 11.01 | 20.91 |

**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 |
| 3499 | | 3499 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 3443 | 56.70 | 3500 | 14.71 | 13.32 | 28.03 | 14.58 | 13.18 | 27.76 | 14.70 | 13.30 | 28.00 | 1.009 | 1.011 | 1.010 | 1.001 | 1.002 | 1.001 |
| 3474 | 28.30 | 3502 | 7.34 | 6.64 | 13.98 | n/a | n/a | n/a | 7.28 | 6.58 | 13.86 | n/a | n/a | n/a | 1.008 | 1.010 | 1.009 |
| 3487 | 14.20 | 3501 | 3.68 | 3.34 | 7.02 | n/a | n/a | n/a | 3.68 | 3.27 | 6.95 | n/a | n/a | n/a | 1.001 | 1.020 | 1.010 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| CH4 | 1.000 | 0.999 | -0.1% |
| NMHC | 1.000 | 1.000 | -0.2% |
| THC | 1.000 | 0.999 | -0.1% |

**Comments:**

Sample Filter Changed

Station: PRAMP 986-C Daily: 2025-07-24 Type: AVG 1 Min. [1 Min.]

# Meteorological System Checklist

| | |
|---|---|
| Date: | July 24, 2025 |
| Technician: | Kevin Sebastian |
| Station: | PRAMP 986c |

| Unit: | Make: | Model: | Serial #: |
|---|---|---|---|
| Precipitation Sampler: | RM Young | 52202 | TB 16325 |
| Temperature Sensor: | Rotronic | HC2A-53 | 20370767 |
| Barometric Pressure Sensor: | MetOne | 092 | Y23358 |
| Relative Humidity Sensor: | Rotronic | HC2A-S3 | 20370767 |
| Anemometer: | RM Young | 05305AQ | 180340 |

**PRECIPITATION SENSOR CHECK**

| Checklist: | Reply: | Comments: |
|---|---|---|
| Previous check date: | June 18, 2025 | Tested:10:49-10:52 |
| 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 | yes | |
| 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: | June 18, 2025 |
| Parameter: | Temperature @ 2 metres |
| Reference Thermometer ID: | F.S. 181341226 expires July 24, 2025 |
| Reference Temperature ($^{o}$C): | 17.3 |
| Station - Ambient Temperature ($^{o}$C): | 16.8 |
| Temperature Difference ($^{o}$C): | 0.5 |

**BAROMETRIC PRESSURE SENSOR CHECK**

| | | |
|---|---|---|
| Previous check date: | June 18, 2025 | |
| Reference Barometer ID: | Brunton 05535 Expires July 24,2025 | |
| Reference Pressure - Units/Reading: | millibar | 932.5 |
| Station Pressure - Units/Reading: | millibar | 932.8 |
| Pressure Tolerance +/- 15% of error: | 793 - 1072 | -0.03% |

**RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK**

| | | |
|---|---|---|
| Previous check date: | June 18, 2025 | |
| Reference Hygrometer ID: | F.S. 181341226 expires July 24, 2025 | |
| Reference Hygrometer % RH- Reading: | 82.10 | |
| Station Hygrometer % RH- Reading: | 90.60 | |
| RH Tolerance +/- 15% of difference: | 69.79 - 94.42 | -10.4% |

**ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK**

| WIND SPEED | | WIND DIRECTION | |
|---|---|---|---|
| Previous check date: | June 18, 2025 | Previous check date: | June 18, 2025 |
| Wind Speed Observed (kph): | >20 | Wind Direction Observed: | E |
| Wind speed on Data Logger (kph): | 25.2 | Wind Direction on Data Logger: | E |
| | | Wind Direction Pass/Fail?: | Pass |

Comments

New TPX/RH Probe installed #20370767 and removed #20626912
Temp- 18.4 RH-78.7

# 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

# JULY 2025

## Ambient Air Monitoring Calibration Report

## - RENO-B STATION-

## CAL-PRAMP-202507-01563

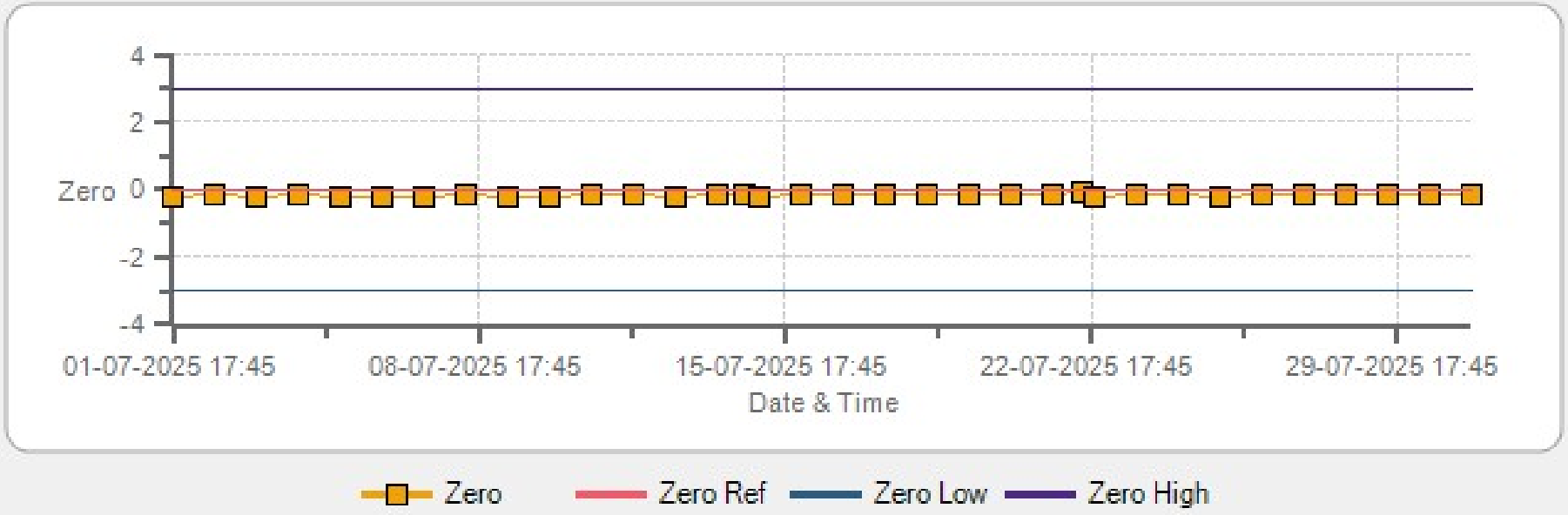
**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Bureau Veritas Canada

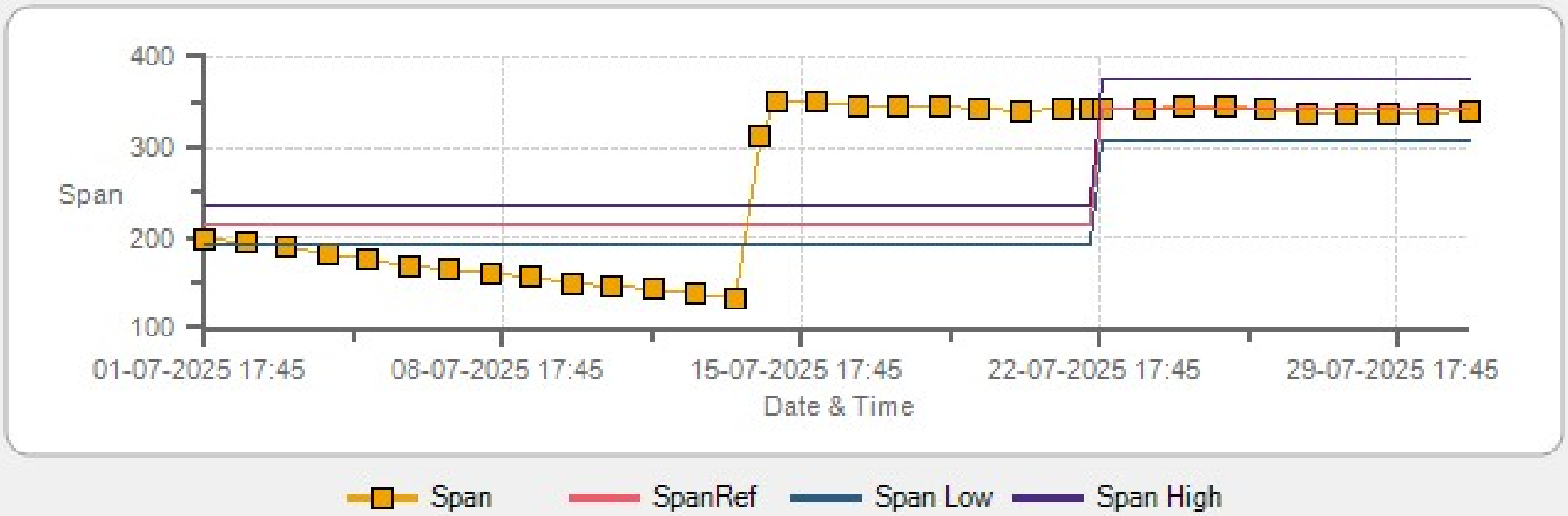
August 5, 2025

# DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

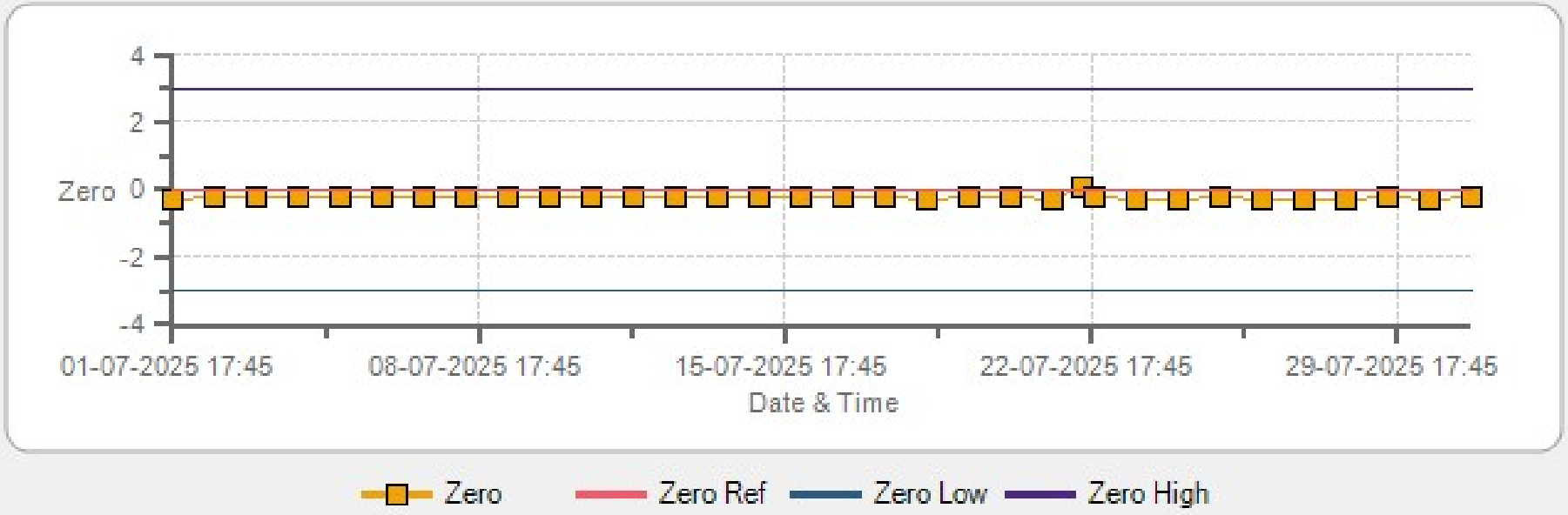
SO2[ppb] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Zero



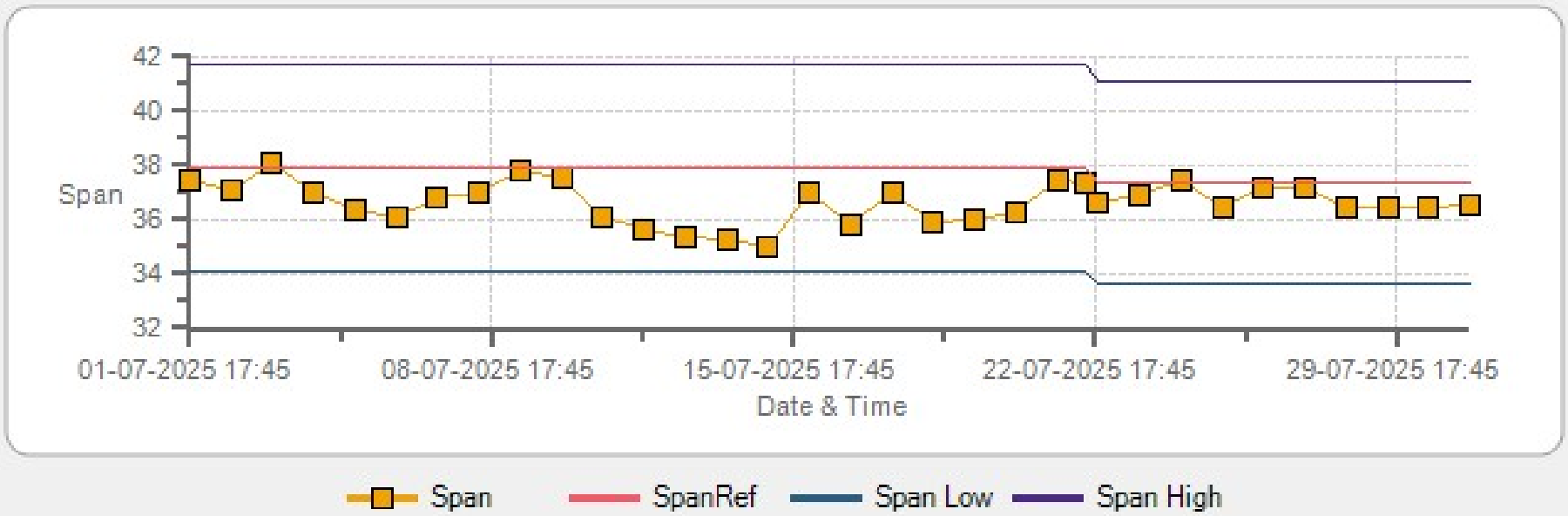

SO2[ppb] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Span



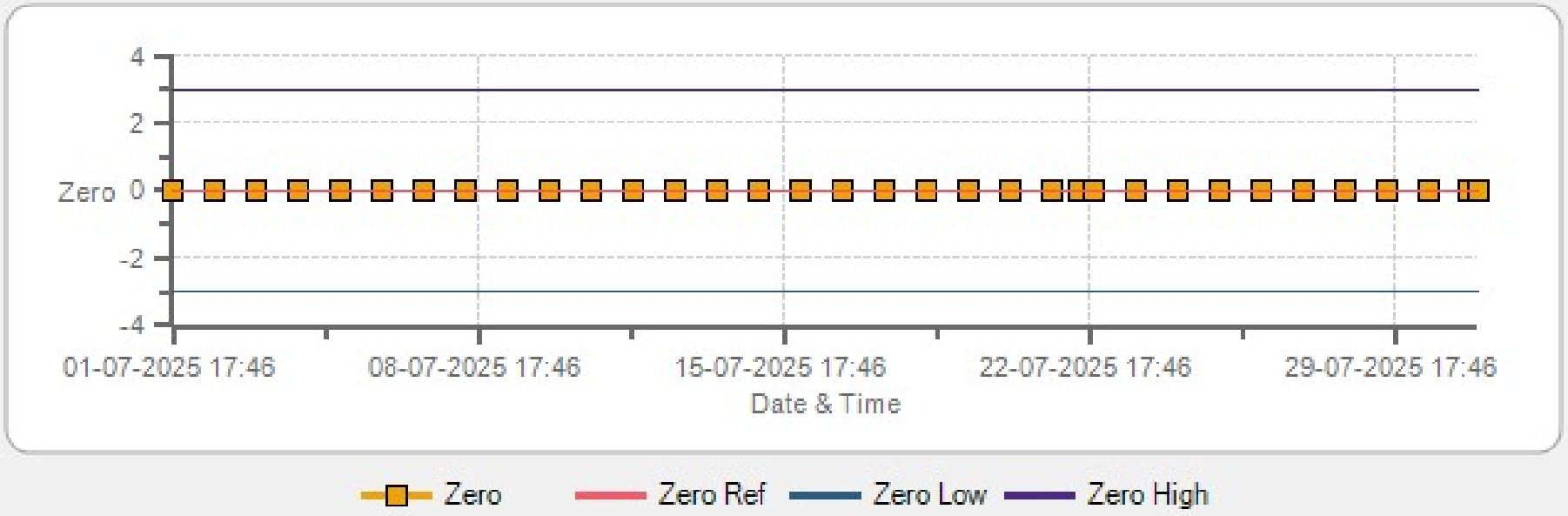
TRS[ppb] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Zero



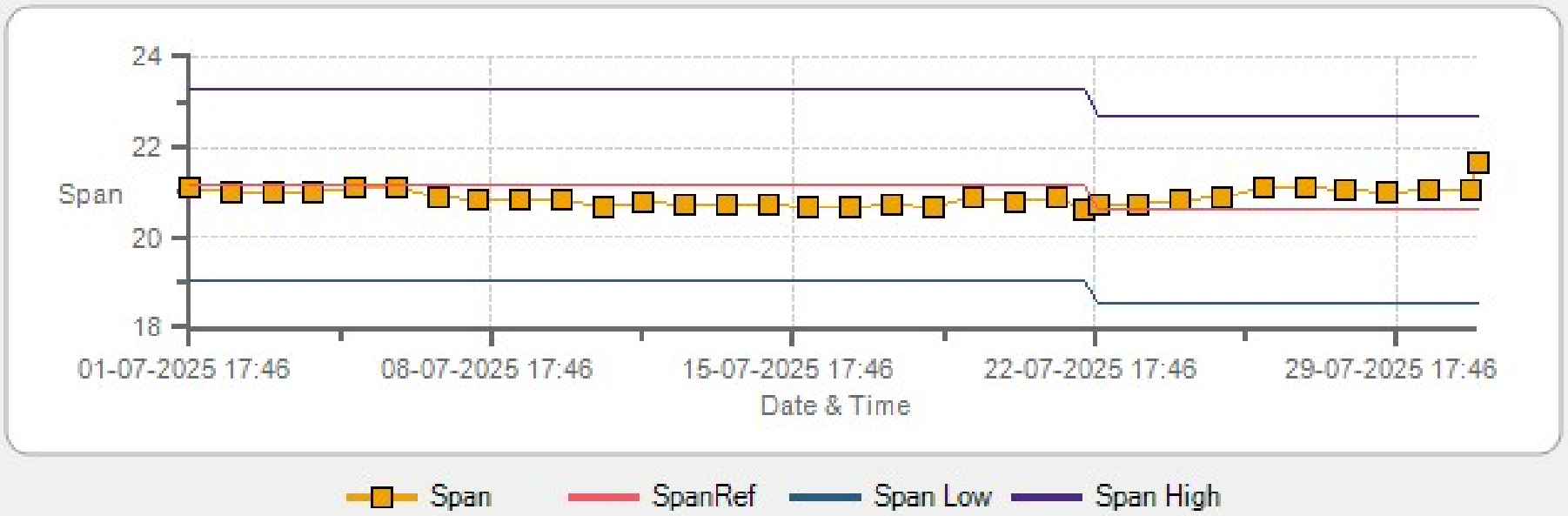

TRS[ppb] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Span



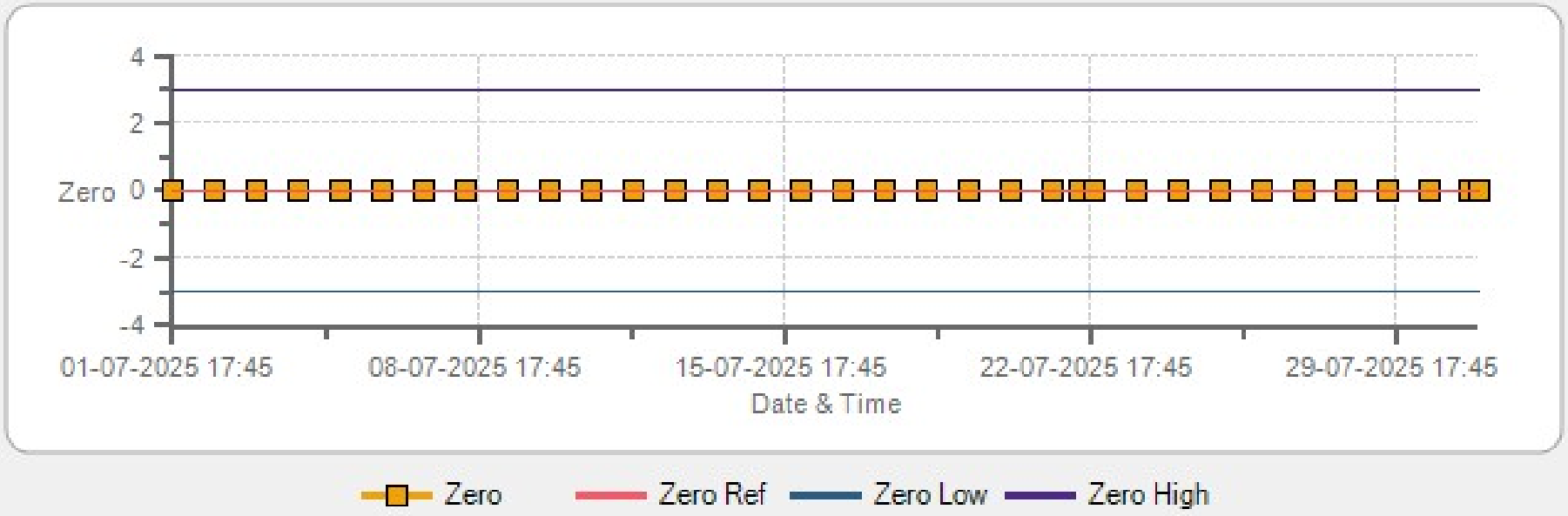
THC55[ppm] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Zero



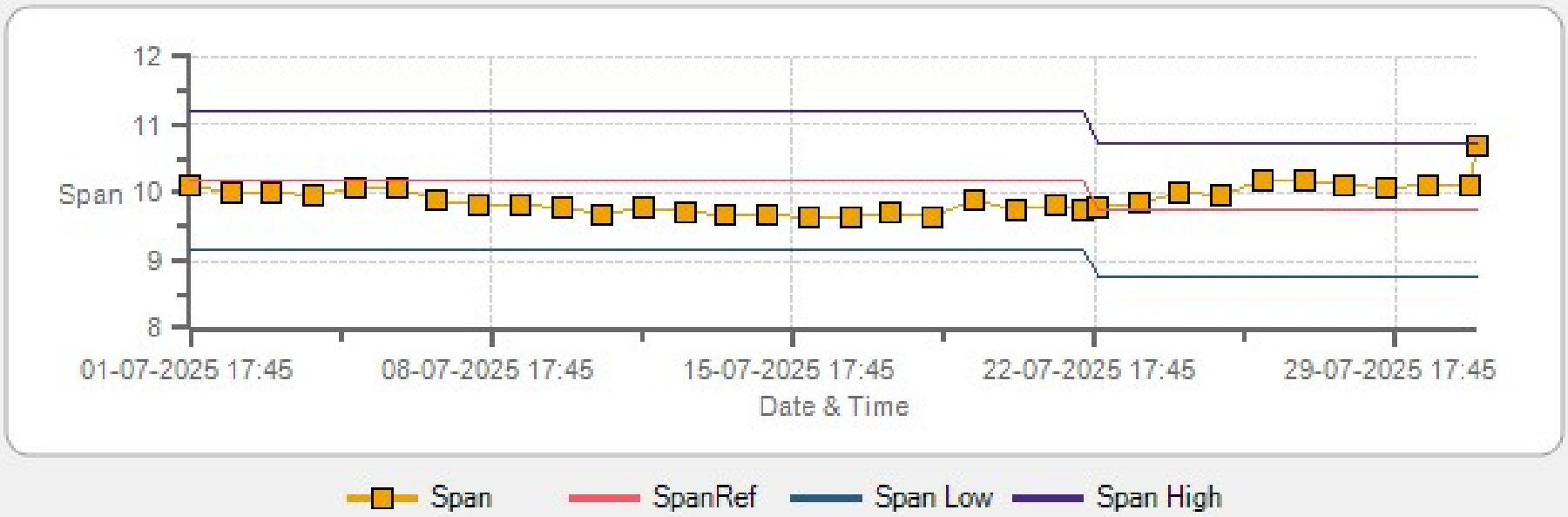

THC55[ppm] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Span



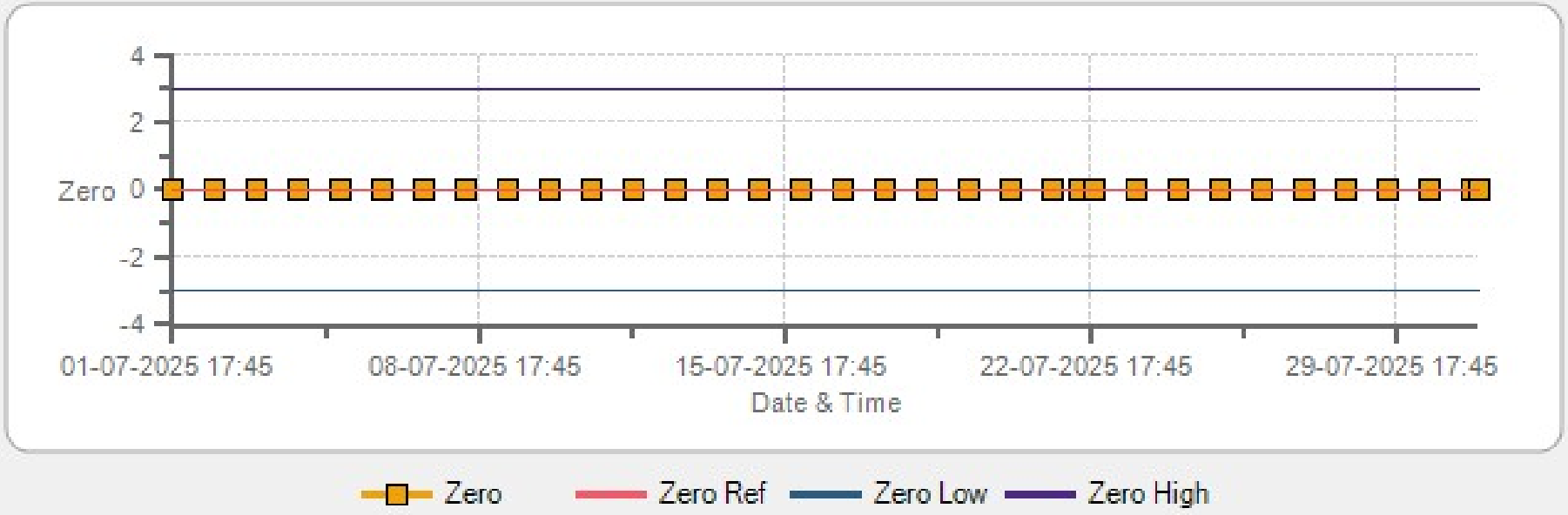
CH4[ppm] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Zero



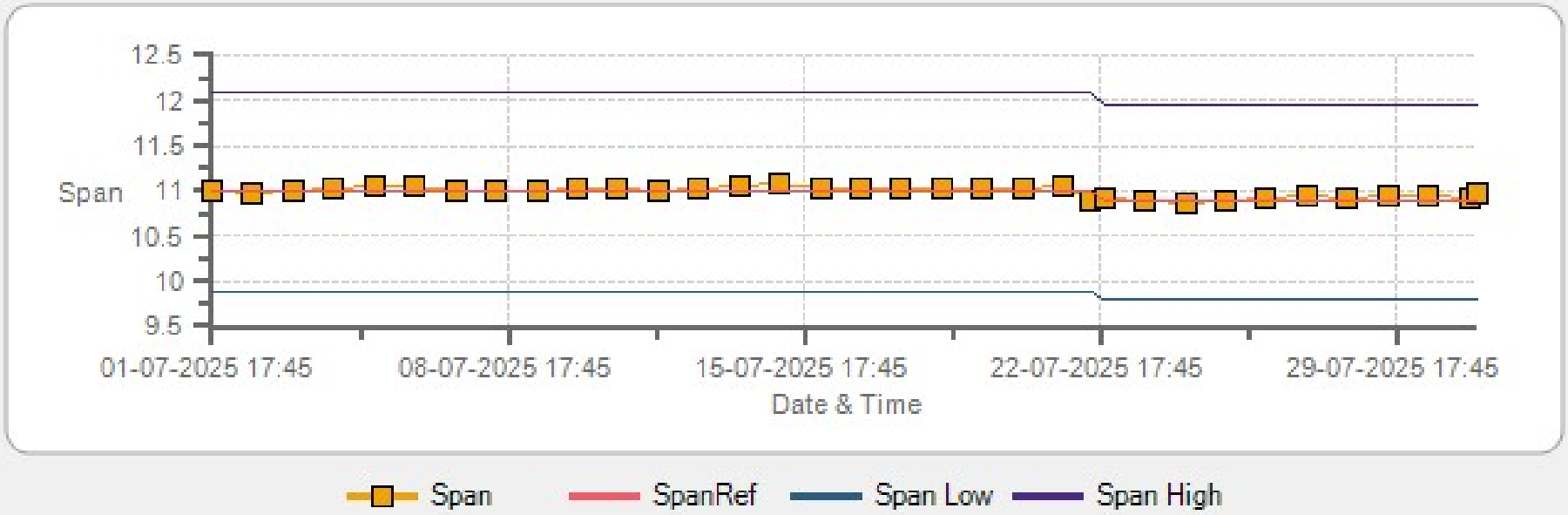

CH4[ppm] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Span



NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Zero




NMHC[ppm] Calibration: PRAMP RENO-B Monthly: 07-2025 Type: SpanAndZero - Span



# MULTI-POINT CALIBRATION RECORDS

# SO2 Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 22-Jul-2025 | PREVIOUS CALIBRATION DATE: | 19-Jun-2025 |
| PARAMETER: | SO2 | PREVIOUS CORRECTION FACTOR: | 0.999 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 24.1 |
| LOCATION: | Reno-B | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 08:14 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:21 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43iQ-TL | RANGE | 500 | ppb |
| SERIAL # | 12101910505 | FLOW (mL/min) | 439 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 1.43 | BKG/OFFSET | 1.43 | |
| COEF/SLOPE | 0.906 | COEF/SLOPE | 0.909 | |
| Expected (reference) Value | 214.1 | Expected (reference) Value | 341.5 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | 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): | 800 | 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 | -0.24 | 0 | | |
| 3940 | 60.60 | 4001 | 380.17 | 376.6 | 381.9 | 1.009 | 0.995 |
| 3971 | 28.70 | 4000 | 180.09 | n/a | 182.9 | n/a | 0.985 |
| 3985 | 14.40 | 3999 | 90.38 | n/a | 90.5 | n/a | 0.999 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.005 | 0.1% |

**COMMENTS:**

Sample filter changed

SO2[ppb] Station: PRAMP RENO-B Daily: 2025-07-22 Type: AVG 1 Min. [1 Min.]
SO2 [ppb]
400
350
300
250
200
150
100
50
0
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]

# TRS Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 22-Jul-2025 | PREVIOUS CALIBRATION DATE: | 19-Jun-2025 |
| PARAMETER: | TRS | PREVIOUS CORRECTION FACTOR: | 0.998 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 24.1 |
| LOCATION: | Reno-B | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 08:15 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:22 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43iQ-TL | RANGE | 100 | ppb |
| SERIAL # | 12101910504 | FLOW (mL/min) | 387 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 1.32 | BKG/OFFSET | 1.32 | |
| COEF/SLOPE | 0.906 | COEF/SLOPE | 0.903 | |
| Expected (reference) Value | 37.91 | Expected (reference) Value | 37.33 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1300 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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 | 0.2 | 0 | | |
| 3969 | 32.20 | 4001 | 78.07 | 77.85 | 78.37 | 1.005 | 0.996 |
| 3984 | 15.70 | 4000 | 38.07 | n/a | 38.29 | n/a | 0.994 |
| 3991 | 7.80 | 3999 | 18.92 | n/a | 19.05 | n/a | 0.993 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.004 | 0.0% |

**COMMENTS:**

Sample filter changed

TRS[ppb] Station: PRAMP RENO-B Daily: 2025-07-22 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: | 22-Jul-2025 | PREVIOUS CALIBRATION DATE: | 19-Jun-2025 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 24.1 |
| LOCATION: | Reno-B | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 08:14 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:02 |

**ANALYZER:**

| VALUE | MAKE/MODEL | SERIAL | FLOW (mL/min) |
|---|---|---|---|
| | Thermo 55i | 1501663728 | 1075 |
| PARAMETER: | CH4 | NMHC | THC |
| RANGE (ppm): | 20 | 20 | 40 |
| PREVIOUS CF: | 1.004 | 1.001 | 1.003 |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | Sabio | MAKE: | Teledyne | CYLINDER ID: | LL83929 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | $CH_4/C_3H_8$ (ppm): | 908.0 | 299.0 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 1700 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 28-Feb-2032 | | 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 $CH_4$ | 819.5 | Use Zero Chrom? | No |
| RANGE | 12 - 16 | 6 - 8 | 2 - 4 | THC as $CH_4$ | 1727.5 | New Zero Chrom? | No |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | CH4 | NMHC | THC | FINAL | CH4 | NMHC | THC |
|---|---|---|---|---|---|---|---|
| | 10.18 | 10.99 | 21.16 | | 9.74 | 10.88 | 20.62 |

**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 | | | | | | |
| 3442 | 56.70 | 3499 | 14.71 | 13.28 | 27.99 | 14.11 | 13.32 | 27.43 | 14.72 | 13.30 | 28.03 | 1.043 | 0.997 | 1.021 | 1.000 | 0.998 | 0.999 |
| 3472 | 28.30 | 3500 | 7.34 | 6.63 | 13.97 | n/a | n/a | n/a | 7.29 | 6.62 | 13.91 | n/a | n/a | n/a | 1.007 | 1.001 | 1.004 |
| 3486 | 14.20 | 3500 | 3.68 | 3.32 | 7.01 | n/a | n/a | n/a | 3.65 | 3.27 | 6.92 | n/a | n/a | n/a | 1.009 | 1.017 | 1.013 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| CH4 | 1.000 | 1.001 | -0.1% |
| NMHC | 1.000 | 1.003 | -0.1% |
| THC | 1.000 | 1.002 | -0.1% |

**Comments:**

Sample filter changed

Station: PRAMP RENO-B Daily: 2025-07-22 Type: AVG 1 Min. [1 Min.]

# Meteorological System Checklist

| | | | |
|---|---|---|---|
| Date: | July 22, 2025 | | |
| Technician: | Kevin Sebastian | | |
| Station: | PRAMP Reno-B | | |
| **Unit:** | **Make:** | **Model:** | **Serial #:** |
| Precipitation Sampler: | RM Young | 52202 | TB 15877 |
| Temperature Sensor: | Rotronic | HC2A-S3 | 20357528 |
| Barometric Pressure Sensor: | MetOne | 92 | A17940 |
| Relative Humidity Sensor: | Rotronic | HC2A-S3 | 20357528 |
| Anemometer: | RM Young | 05305AQ | 174795 |

**PRECIPITATION SENSOR CHECK**

| **Checklist:** | **Reply:** | **Comments:** |
|---|---|---|
| Previous check date: | June 19, 2025 | |
| Is the sensor Level? | yes | |
| Is the heater operating properly? | yes | |
| Are the bucket drain holes clean? | yes | Audit:12:10-12:17 |
| Is the screen on the housing? (screen should be on between July and September | yes | |
| 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: | June 19, 2025 |
| Parameter: | Temperature @ 2 metres |
| Reference Thermometer ID: | FS 181341226 expires July 24, 2025 |
| Reference Temperature ($^{o}$C): | 18.4 |
| Station - Ambient Temperature ($^{o}$C): | 18.3 |
| Temperature Difference ($^{o}$C): | 0.1 |

**BAROMETRIC PRESSURE SENSOR CHECK**

| | | |
|---|---|---|
| Previous check date: | June 19, 2025 | |
| Reference Barometer ID: | Brunton 05535 Expires July 24,2025 | |
| Reference Pressure - Units/Reading: | millibar | 942.3 |
| Station  Pressure - Units/Reading: | millibar | 942.6 |
| Pressure Tolerance +/- 15% of error: | 801 - 1084 | -0.03% |

**RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK**

| | | |
|---|---|---|
| Previous check date: | June 19, 2025 | |
| Reference Hygrometer ID: | FS 181341226 expires July 24, 2025 | |
| Reference Hygrometer % RH- Reading: | 38.80 | |
| Station Hygrometer % RH- Reading: | 41.30 | |
| RH Tolerance +/- 15% of difference: | 32.98 - 44.62 | -6.4% |

**ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK**

| WIND SPEED | | WIND DIRECTION | |
|---|---|---|---|
| Previous check date: | June 19, 2025 | Previous check date: | June 19, 2025 |
| Wind Speed Observed (kph): | 5~10 | Wind Direction Observed: | W |
| Wind speed on Data Logger (kph): | 7.6 | Wind Direction on Data Logger: | W |
| | | Wind Direction Pass/Fail?: | Pass |

Comments

New RH/TPX Probe-#20357528 and Removed #20467597
New reading:Temp- 18.6, RH-39.2

# 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**

# JULY 2025

## Ambient Air Monitoring Calibration Report

## - AQHI - GRIMSHAW STATION-

## CAL-PRAMP-202507-01689

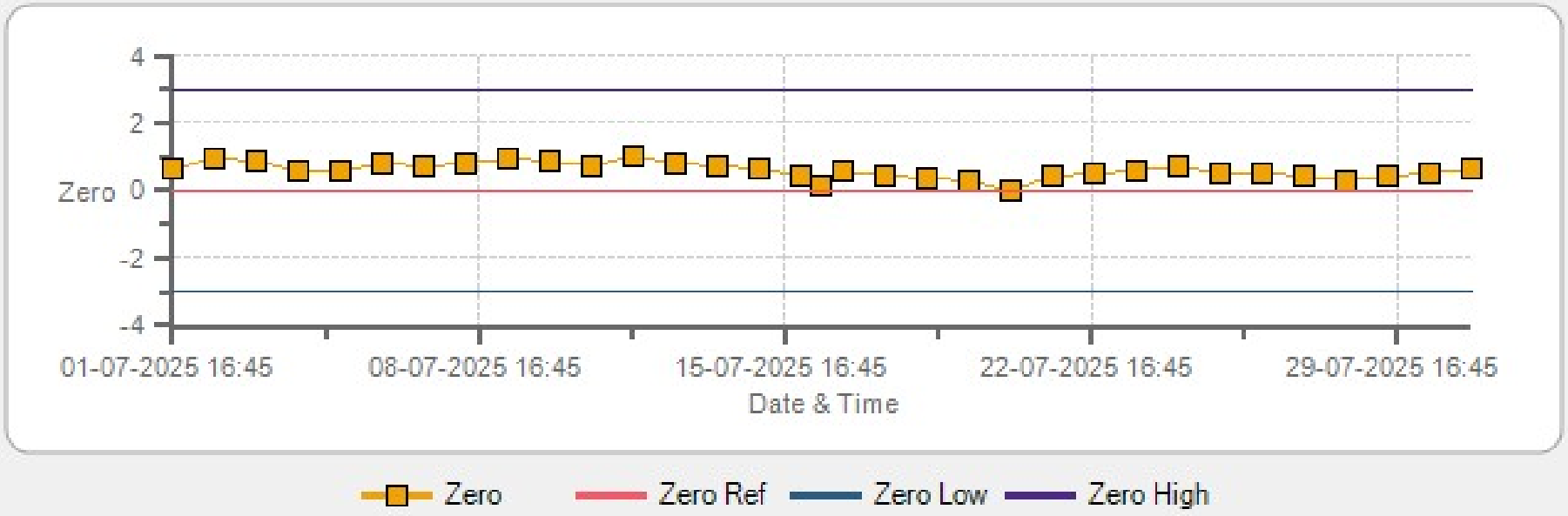
**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Bureau Veritas Canada

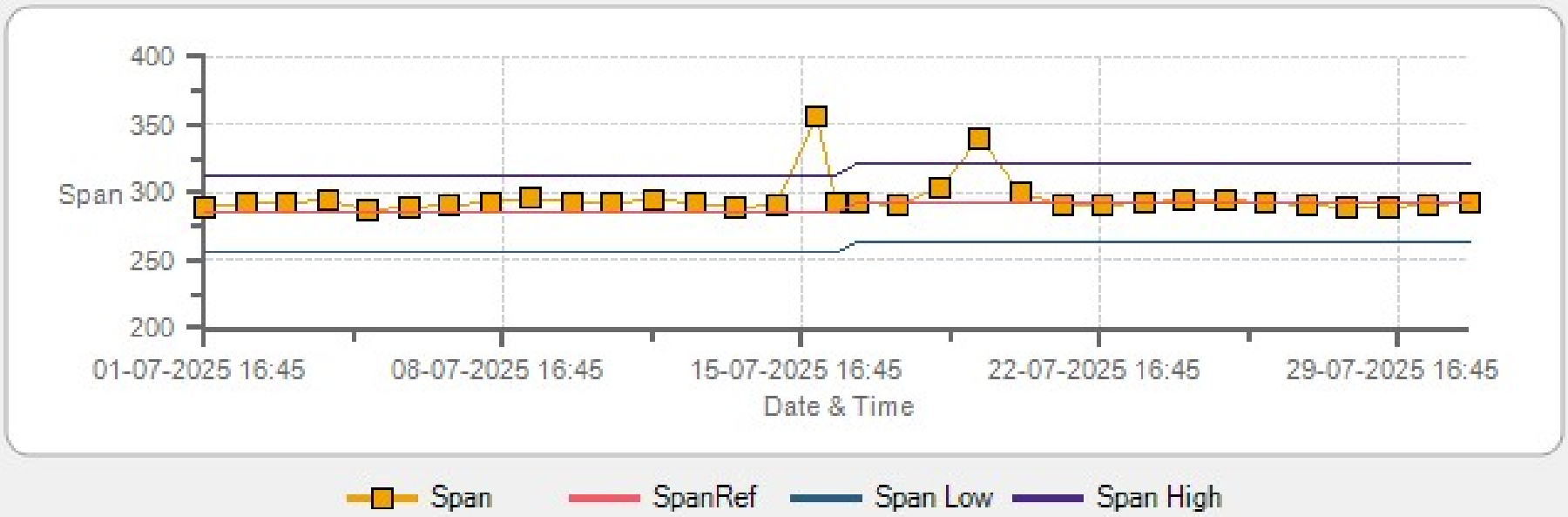
August 5, 2025

# DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

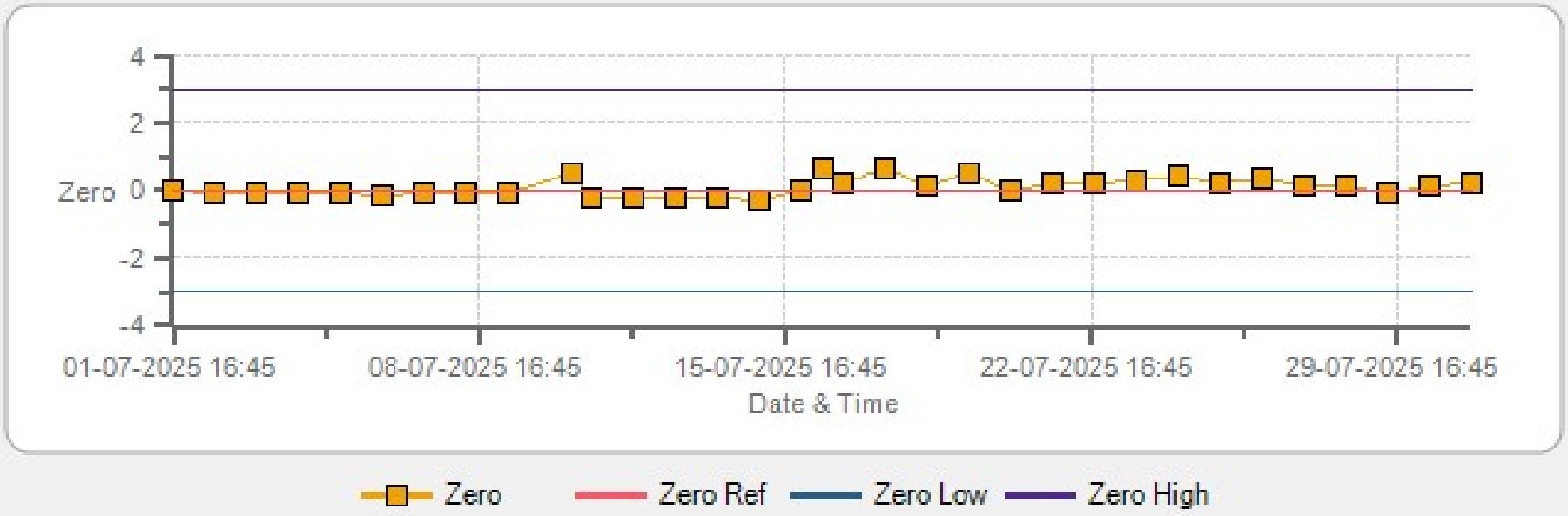
SO2[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero



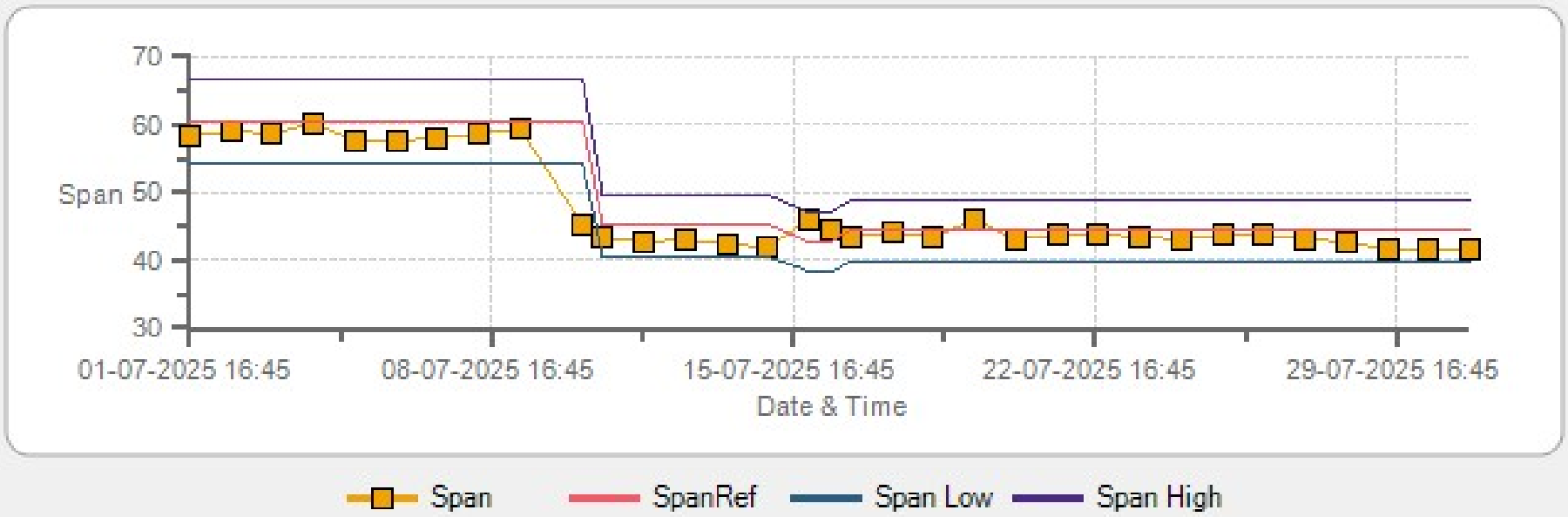

SO2[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span

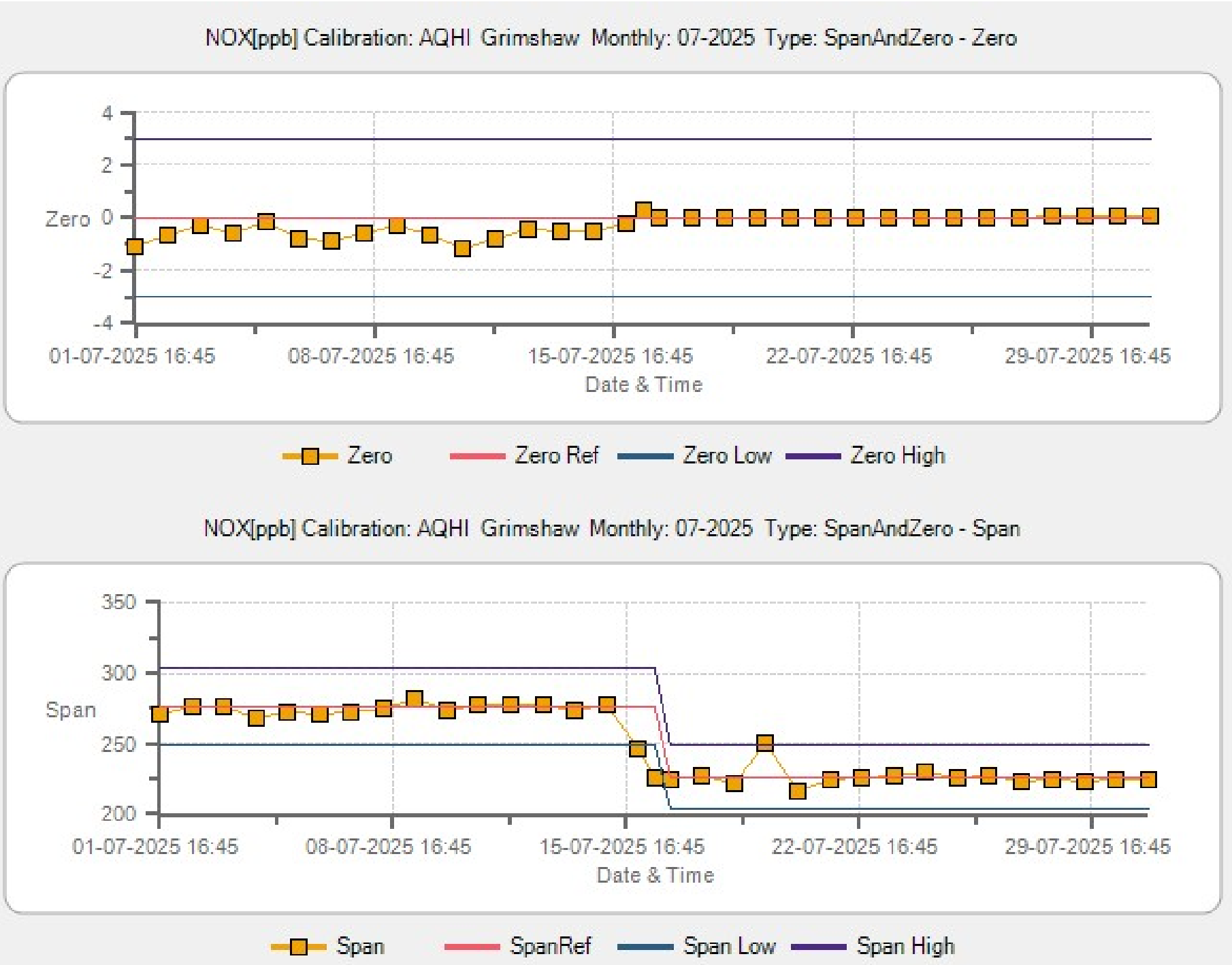


TRS[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero

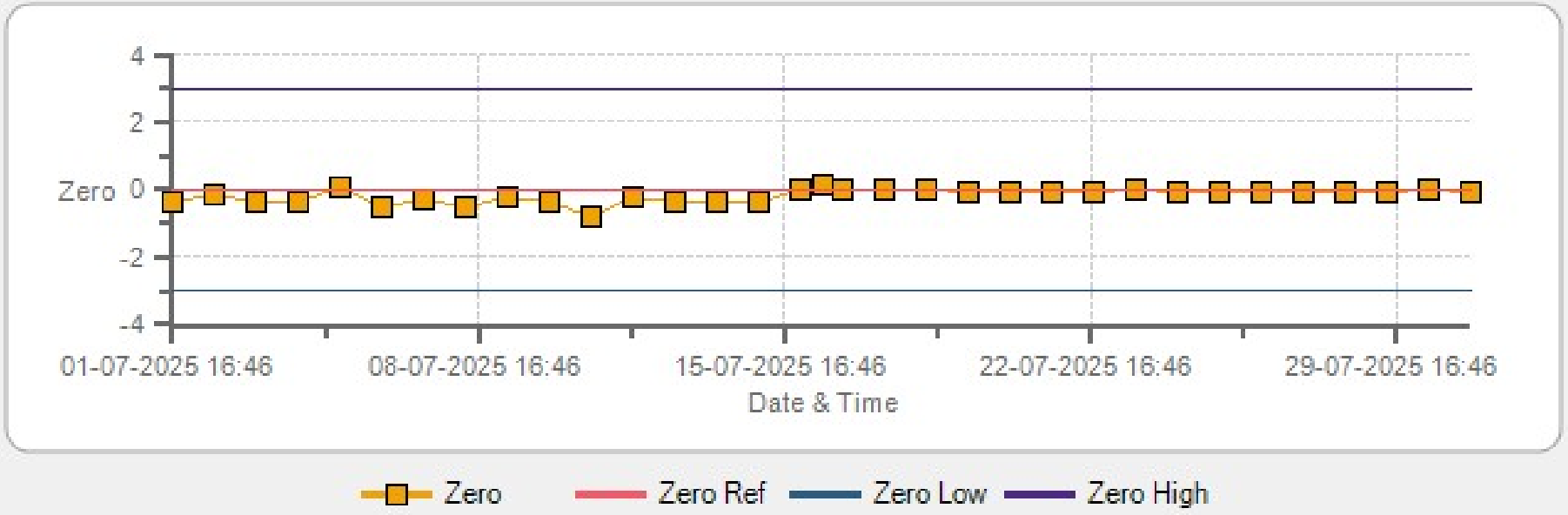



TRS[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span

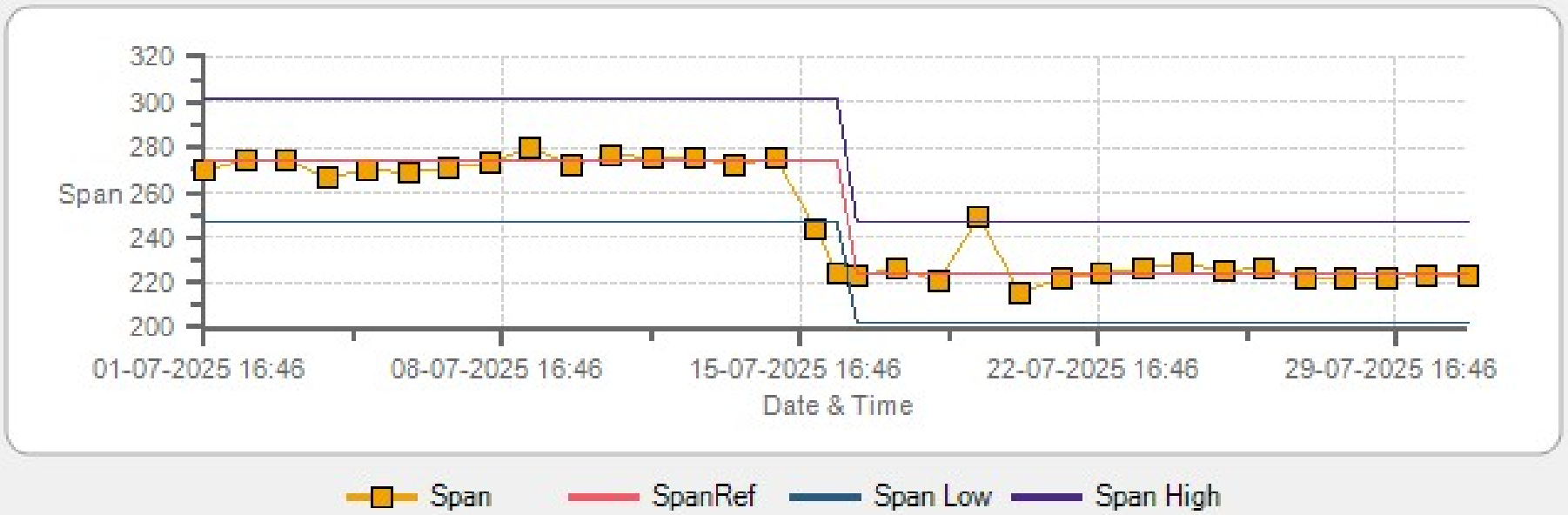


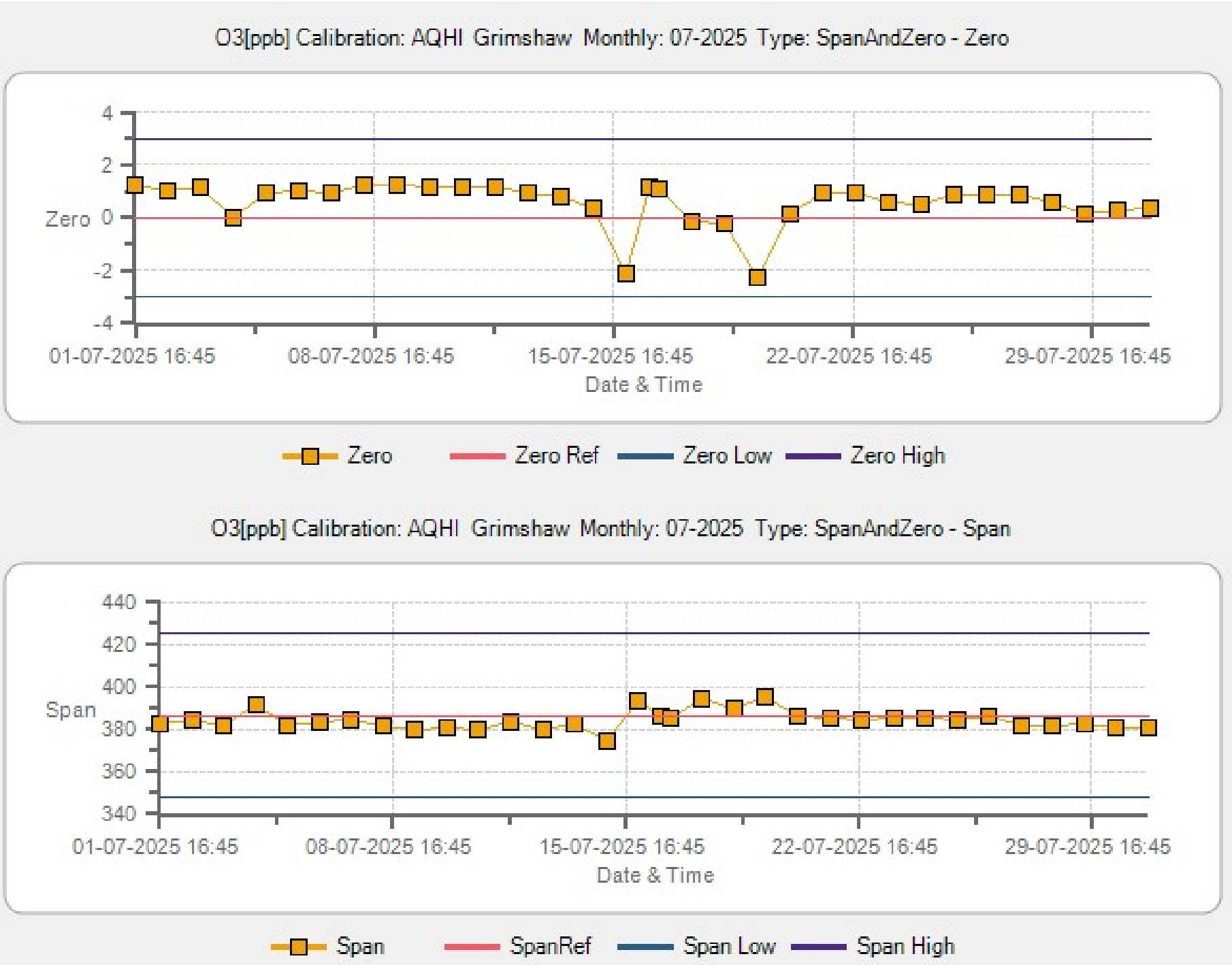

NOX[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-07-2025 16:45
08-07-2025 16:45
15-07-2025 16:45
22-07-2025 16:45
29-07-2025 16:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NOX[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span
350
300
Span
250
200
01-07-2025 16:45
08-07-2025 16:45
15-07-2025 16:45
22-07-2025 16:45
29-07-2025 16:45
Date & Time
Span
SpanRef
Span Low
Span High

NO2[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero

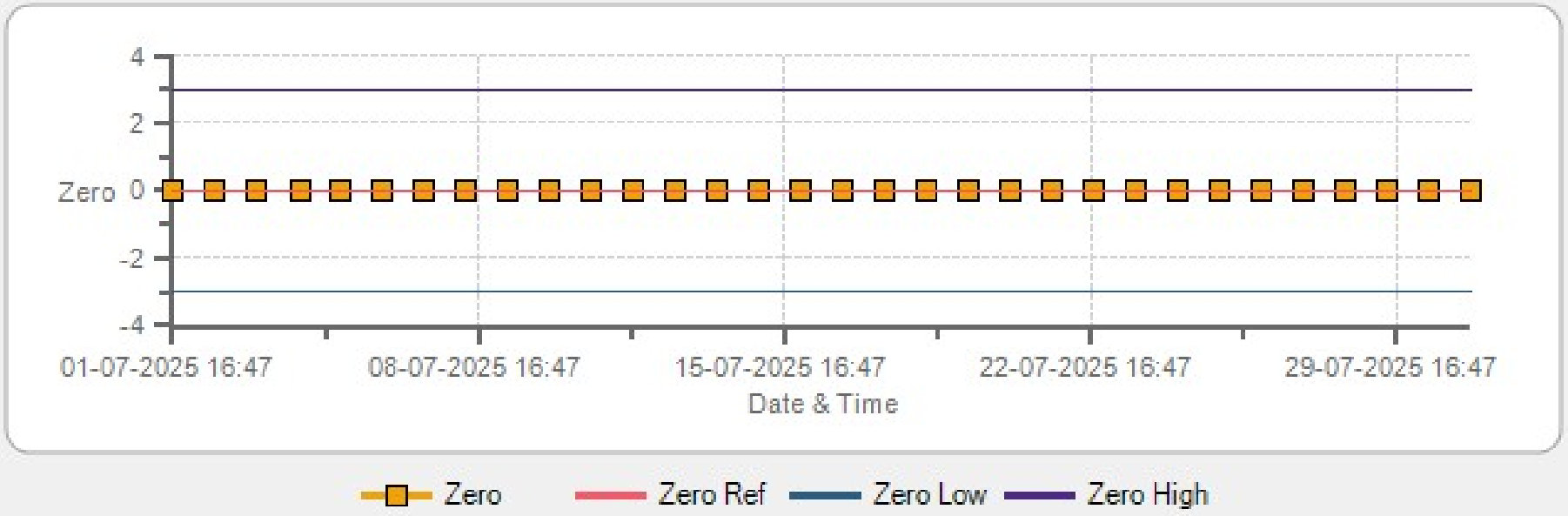



NO2[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span

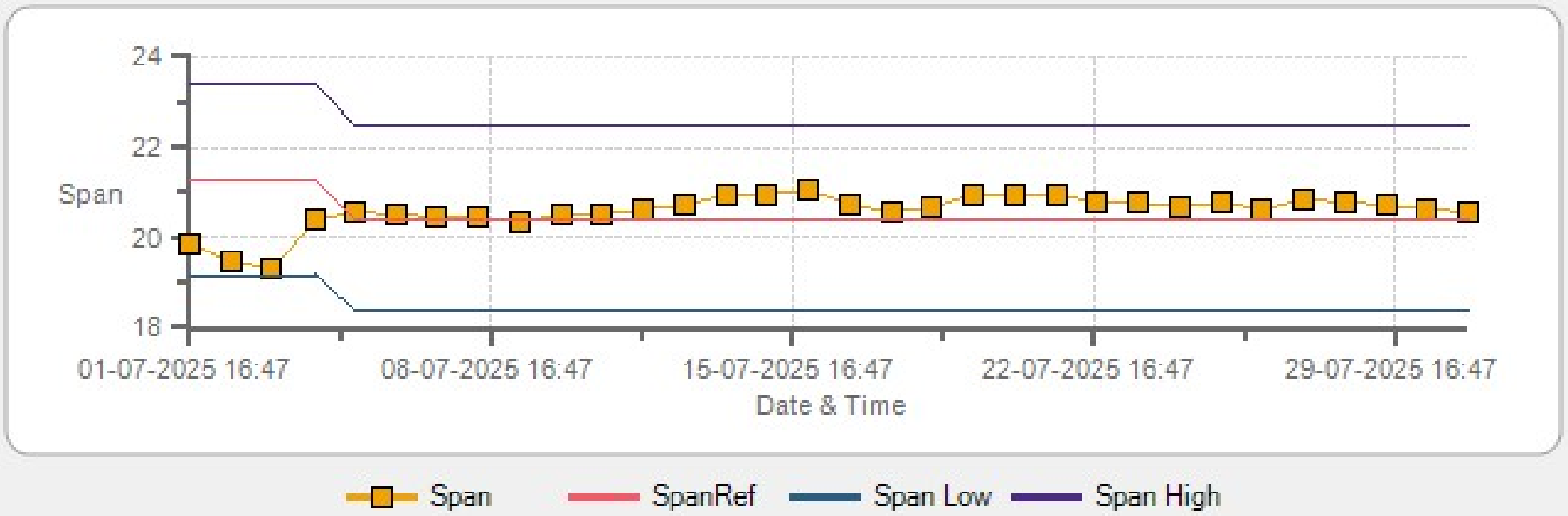



O3[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-07-2025 16:45
08-07-2025 16:45
15-07-2025 16:45
22-07-2025 16:45
29-07-2025 16:45
Date & Time
Zero
Zero Ref
Zero Low
Zero High
O3[ppb] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span
440
420
400
Span
380
360
340
01-07-2025 16:45
08-07-2025 16:45
15-07-2025 16:45
22-07-2025 16:45
29-07-2025 16:45
Date & Time
Span
SpanRef
Span Low
Span High

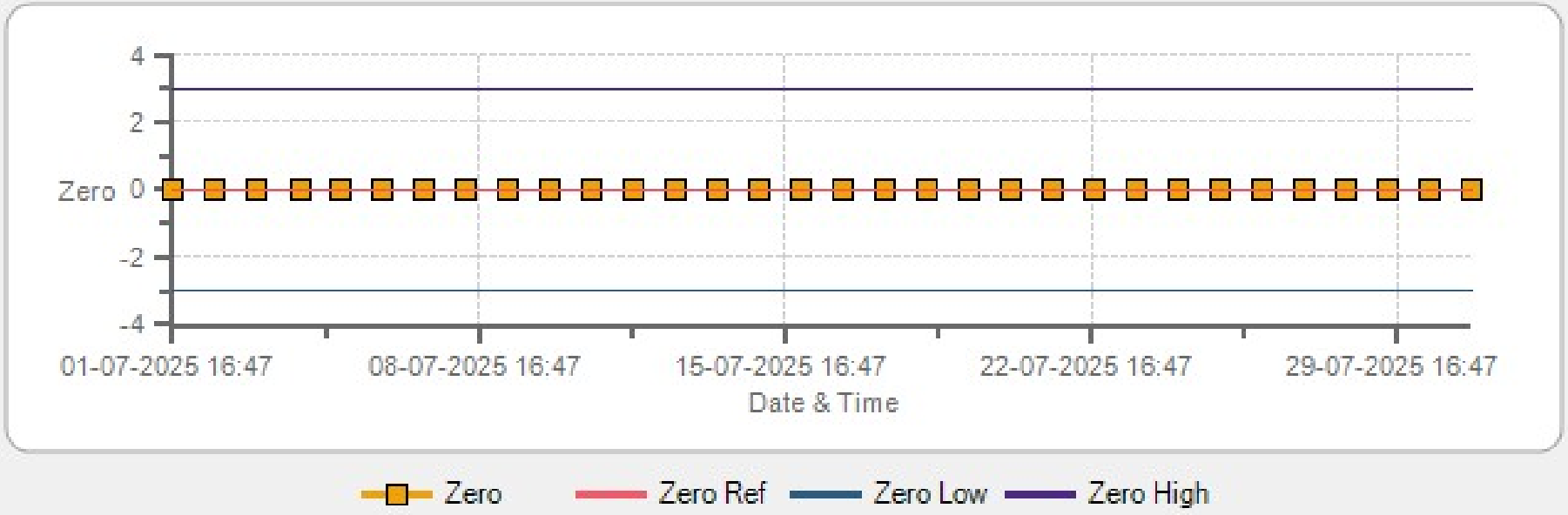
THC55[ppm] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero



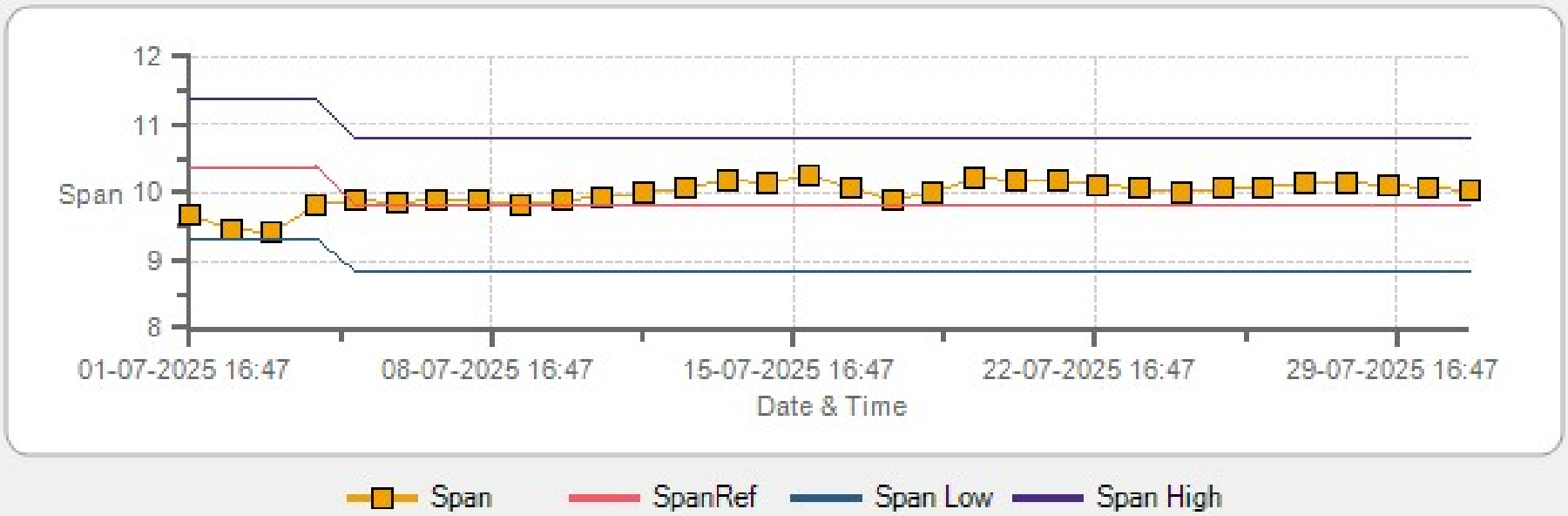

THC55[ppm] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span



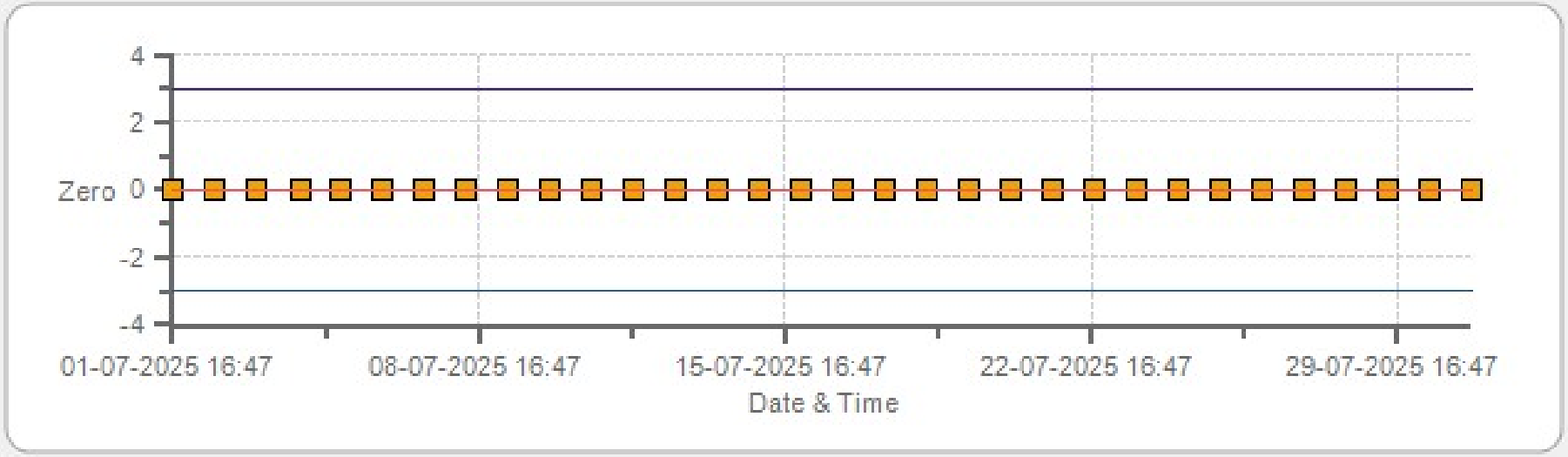
CH4[ppm] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero



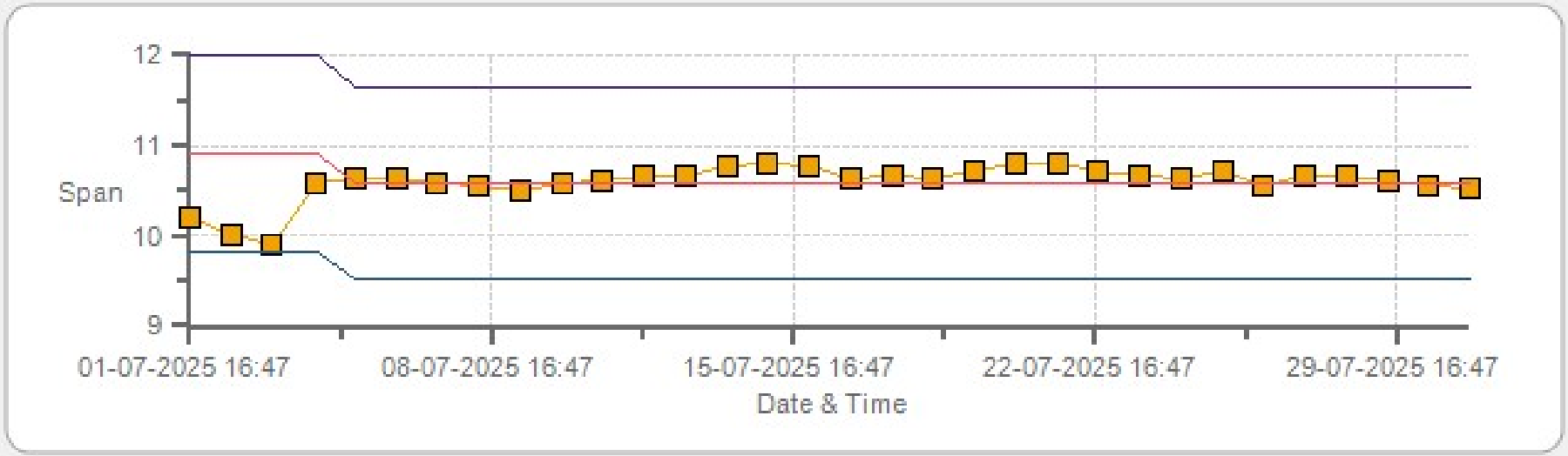

CH4[ppm] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span



NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Zero




NMHC[ppm] Calibration: AQHI Grimshaw Monthly: 07-2025 Type: SpanAndZero - Span



# MULTI-POINT CALIBRATION RECORDS

# SO2 Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 16-Jul-2025 | PREVIOUS CALIBRATION DATE: | 04-Jun-2025 |
| PARAMETER: | SO2 | PREVIOUS CORRECTION FACTOR: | 1.001 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 25.6 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 944 |
| PURPOSE | Routine | START TIME (MST): | 08:29 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 12:32 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Teledyne T100 | RANGE | 500 | ppb |
| SERIAL # | 722 | FLOW (mL/min) | 420 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 37.2 | BKG/OFFSET | 38.1 | |
| COEF/SLOPE | 0.919 | COEF/SLOPE | 0.918 | |
| Expected (reference) Value | 284.7 | Expected (reference) Value | 293.1 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | 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): | 800 | 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 | 0.6 | 0 | | |
| 3939 | 60.60 | 4000 | 380.27 | 377.9 | 381.7 | 1.008 | 0.996 |
| 3970 | 28.70 | 3999 | 180.14 | n/a | 181.7 | n/a | 0.991 |
| 3985 | 14.30 | 3999 | 89.75 | n/a | 91.2 | n/a | 0.984 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.003 | 0.1% |

**COMMENTS:**

Sample filter changed

SO2[ppb] Station: AQHI Grimshaw Daily: 2025-07-16 Type: AVG 1 Min. [1 Min.]
SO2 [ppb]
400
350
300
250
200
150
100
50
0
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]

# TRS Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 10-Jul-2025 | PREVIOUS CALIBRATION DATE: | n/a |
| PARAMETER: | TRS | PREVIOUS CORRECTION FACTOR: | n/a |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 24.2 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 943 |
| PURPOSE | Install/Post-Repair | START TIME (MST): | 13:48 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 19:25 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Teledyne T100U | RANGE | 100 | ppb |
| SERIAL # | 132 | FLOW (mL/min) | 546 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | n/a | BKG/OFFSET | 68.9 | |
| COEF/SLOPE | n/a | COEF/SLOPE | 0.644 | |
| Expected (reference) Value | n/a | Expected (reference) Value | 45.22 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1500 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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: | 17:41 | SO2 Conc (ppb) | 380 |
| END TIME: | 17:56 | Analyzer Response (ppb) | -0.3 |

**CALIBRATION:**

| FLOW RATES (mL/min) | | | CONCENTRATION (ppb) | | | CORRECTION FACTOR | |
|---|---|---|---|---|---|---|---|
| | | | ACTUAL | INDICATED | | Initial | Final |
| DILUENT | GAS | TOTAL | | Initial | Final | | |
| 4000 | | 4000 | 0.00 | n/a | 0 | | |
| 3968 | 32.20 | 4000 | 78.09 | n/a | 78.37 | n/a | 0.996 |
| 3983 | 15.70 | 3999 | 38.08 | n/a | 37.93 | n/a | 1.004 |
| 3991 | 7.80 | 3999 | 18.92 | n/a | 18.73 | n/a | 1.010 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.004 | -0.2% |

**COMMENTS:**

Installation Calibration

TRS[ppb] Station: AQHI Grimshaw Daily: 2025-07-10 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]

# TRS Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 16-Jul-2025 | PREVIOUS CALIBRATION DATE: | 10-Jul-2025 |
| PARAMETER: | TRS | PREVIOUS CORRECTION FACTOR: | 0.996 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 25.6 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 944 |
| PURPOSE | Repeat | START TIME (MST): | 08:29 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 14:08 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Teledyne T100U | RANGE | 100 | ppb |
| SERIAL # | 132 | FLOW (mL/min) | 544 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 68.9 | BKG/OFFSET | 68.3 | |
| COEF/SLOPE | 0.644 | COEF/SLOPE | 0.63 | |
| Expected (reference) Value | 45.22 | Expected (reference) Value | 44.44 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1500 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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 | -0.15 | 0 | | |
| 3968 | 32.20 | 4000 | 78.09 | 80.14 | 78.5 | 0.973 | 0.995 |
| 3983 | 15.70 | 3999 | 38.08 | n/a | 37.61 | n/a | 1.013 |
| 3991 | 7.80 | 3999 | 18.92 | n/a | 18.17 | n/a | 1.041 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.008 | -0.5% |

**COMMENTS:**

Initial adjustment failed at low point; repeated adjustment. No further issues

TRS[ppb] Station: AQHI Grimshaw Daily: 2025-07-16 Type: AVG 1 Min. [1 Min.]

# NOx Calibration by Dilution/Gas-Phase Titration

**CALIBRATION:**

| | | | | **ANALYZER:** | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 15-Jul-2025 | PREVIOUS CALIBRATION DATE: | 04-Jun-2025 | MAKE/MODEL: | Teledyne T200 | PREVIOUS CF. | |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 22.0 | SERIAL #: | 837 | NOx | 1.001 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 952 | FLOW (mL/min) | 443 | NO | 1.002 |
| PURPOSE | Removal/Shut-down | START TIME (MST): | 09:03 | RANGE (ppb) | 500 | NO2 | 1.006 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 13:15 | GPT FOR O3? | | No | |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | Sabio | MAKE: | Teledyne | CYLINDER ID: | EY0001013 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | NO/NOx (PPM): | 49.2 | 49.4 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 500 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 11-Nov-2029 | | LOW EXPIRY: | n/a |

**CALIBRATION SETTINGS:**

| INITIAL | NOx | NO | NO2 | FINAL | NOx | NO | NO2 |
|---|---|---|---|---|---|---|---|
| BKG/OFFSET: | 0.5 | -0.8 | n/a | BKG/OFFSET: | n/a | n/a | n/a |
| SLOPE/COEF/CE: | 0.996 | 0.999 | 1 | SLOPE/COEF/CE: | n/a | n/a | n/a |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | NOx | NO | NO2 | FINAL | NOx | NO | NO2 |
|---|---|---|---|---|---|---|---|
| | 276.3 | 1.9 | 274.4 | | 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 | -0.2 | n/a | n/a | n/a | | | | | | |
| 4960 | 38.60 | 4999 | 379.9 | 381.4 | 1.5 | 391.3 | 389.1 | -2.3 | n/a | n/a | n/a | 0.971 | 0.980 | | n/a | n/a | |
| 4985 | 18.30 | 5003 | 180.0 | 180.7 | 0.7 | 186.1 | 183.7 | -2.4 | n/a | n/a | n/a | 0.968 | 0.983 | | n/a | n/a | |
| 4992 | 9.10 | 5001 | 89.5 | 89.9 | 0.4 | 92.4 | 91.5 | -0.9 | n/a | n/a | n/a | 0.970 | 0.980 | | 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 | 38.60 | 5001 | 0 | 387.4 | 386.2 | -1.2 | | | | |
| AS-FOUND HIGH | 38.60 | 5001 | 250 | 141.3 | 386.1 | 244.8 | 246.1 | 246 | 1.000 | 99.96% |
| ADJUSTED HIGH | n/a | n/a | n/a | n/a | n/a | n/a | n/a | **n/a** | **n/a** | n/a |
| MID | 38.60 | 5001 | 135 | 252.8 | 388.3 | 135.4 | 134.6 | 136.6 | 0.985 | 101.49% |
| LOW | 38.60 | 5001 | 48 | 339.7 | 386.8 | 47.1 | 47.7 | 48.3 | 0.988 | 101.26% |
| NO2 adjustment not required. | | | | | | | | | AVERAGE: | 100.90% |

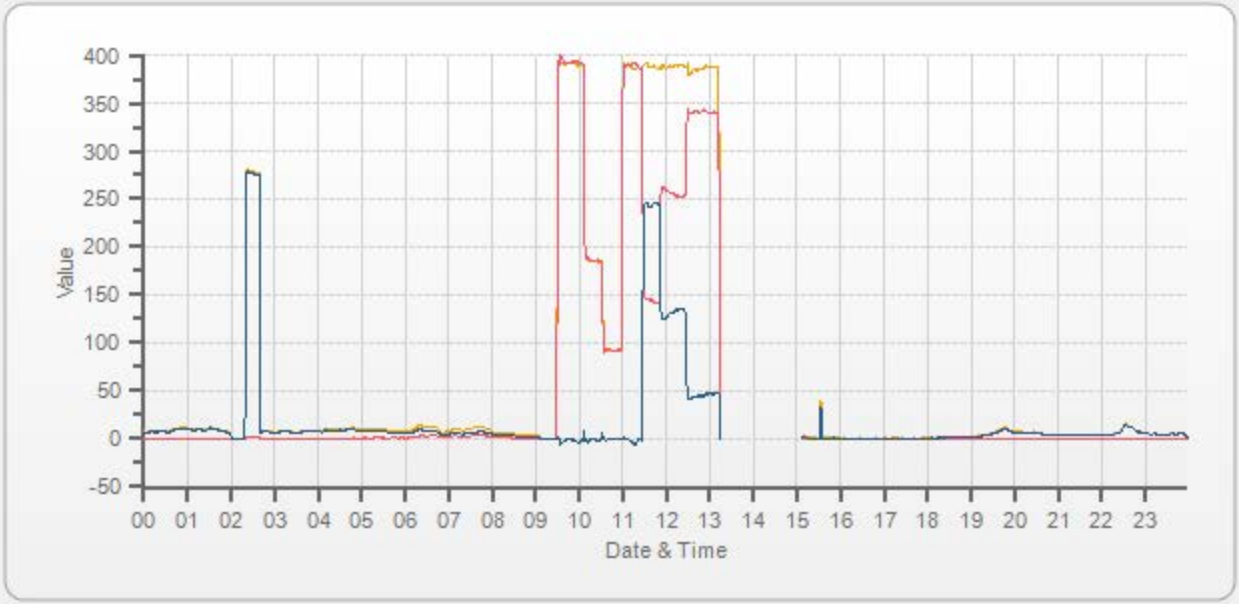
**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| NO | 1.000 | 1.030 | 0.06% |
| NOx | 1.000 | 1.021 | -0.07% |
| NO2 | 1.000 | 0.996 | 0.29% |

**COMMENTS:**

Shutdown calibration

Station: AQHI Grimshaw Daily: 2025-07-15 Type: AVG 1 Min. [1 Min.]



# NOx Calibration by Dilution/Gas-Phase Titration

**CALIBRATION:**

| | | | | **ANALYZER:** | | | |
|---|---|---|---|---|---|---|---|
| DATE: | 16-Jul-2025 | PREVIOUS CALIBRATION DATE: | n/a | MAKE/MODEL: | Thermo 42iQ | PREVIOUS CF. | |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 22.0 | SERIAL #: | 12409233392 | NOx | n/a |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 952 | FLOW (mL/min) | 650 | NO | n/a |
| PURPOSE | Install/Post-Repair | START TIME (MST): | 08:15 | RANGE (ppb) | 500 | NO2 | n/a |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 13:39 | GPT FOR O3? | | Yes | |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | Sabio | MAKE: | Teledyne | CYLINDER ID: | EY0001013 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | NO/NOx (PPM): | 49.2 | 49.4 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 500 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 11-Nov-2029 | | LOW EXPIRY: | n/a |

**CALIBRATION SETTINGS:**

| INITIAL | NOx | NO | NO2 | FINAL | NOx | NO | NO2 |
|---|---|---|---|---|---|---|---|
| BKG/OFFSET: | n/a | n/a | n/a | BKG/OFFSET: | 1.3 | 1.2 | n/a |
| SLOPE/COEF/CE: | n/a | n/a | n/a | SLOPE/COEF/CE: | 1.004 | 1.223 | 1 |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | NOx | NO | NO2 | FINAL | NOx | NO | NO2 |
|---|---|---|---|---|---|---|---|
| | n/a | n/a | n/a | | 226.2 | 1.7 | 224.5 |

**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 | n/a | n/a | n/a | 0.0 | 0.0 | 0.0 | | | | | | |
| 4960 | 40.10 | 5000 | 394.6 | 396.2 | 1.6 | n/a | n/a | n/a | 394.3 | 396.3 | 2.0 | n/a | n/a | | 1.001 | 1.000 | |
| 4983 | 18.30 | 5001 | 180.0 | 180.8 | 0.7 | n/a | n/a | n/a | 178.6 | 179.6 | 1.0 | n/a | n/a | | 1.008 | 1.007 | |
| 4991 | 9.10 | 5000 | 89.5 | 89.9 | 0.4 | n/a | n/a | n/a | 89.2 | 89.6 | 0.4 | n/a | n/a | | 1.004 | 1.003 | |

**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 | 40.10 | 5001 | 0 | 396.0 | 398.0 | 2.0 | | | | |
| 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 | 40.10 | 5001 | 250 | 149.0 | 397.7 | 248.7 | 247 | 246.7 | 1.001 | 99.88% |
| MID | 40.10 | 5001 | 155 | 242.4 | 398.0 | 155.6 | 153.6 | 153.6 | 1.000 | 100.00% |
| LOW | 40.10 | 5001 | 55 | 341.5 | 397.8 | 56.3 | 54.5 | 54.3 | 1.004 | 99.63% |
| NO2 COEF/CONVERTER EFFICIENCY ADJUSTED | | | | | | | | | AVERAGE: | 99.84% |

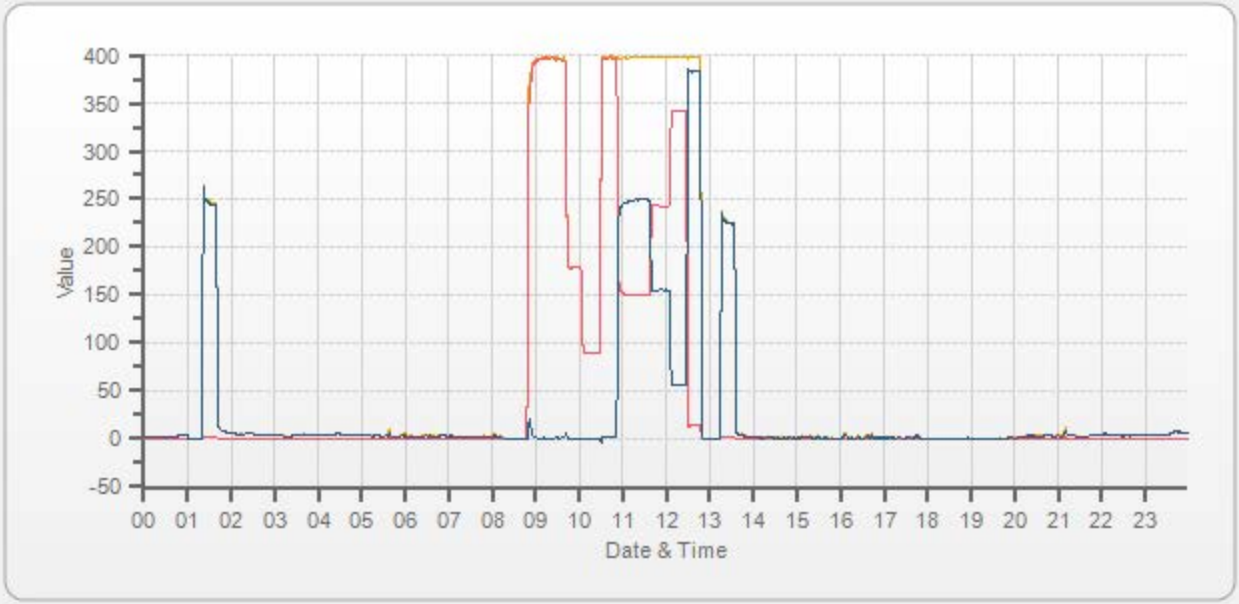
**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| NO | 1.000 | 0.999 | -0.08% |
| NOx | 1.000 | 1.000 | -0.08% |
| NO2 | 1.000 | 1.000 | -0.02% |

**COMMENTS:**

Extra GPT point for O3: Setting = 380, O3 drop = 381.2

Station: AQHI Grimshaw Daily: 2025-07-16 Type: AVG 1 Min. [1 Min.]



# Ozone Calibration by Direct GPT

| | | | |
|---|---|---|---|
| DATE: | 16-Jul-2025 | PREVIOUS CALIBRATION DATE: | 04-Jun-2025 |
| PARAMETER: | O3 | PREVIOUS CORRECTION FACTOR: | 0.999 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 20.7 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 943 |
| PURPOSE | Routine | START TIME (MST): | 12:55 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 18:03 |

**ANALYZER:**

| | | | |
|---|---|---|---|
| MAKE/MODEL | Thermo 49iQ | RANGE | 500 ppb |
| SERIAL # | 12326230141 | FLOW (mL/min) | 1250 |
| INITIAL | | FINAL | |
| BKG/OFFSET | 3.8 | BKG/OFFSET | 3.9 |
| COEF/SLOPE | 1.01 | COEF/SLOPE | 1.014 |
| Expected (reference) Value | 386.6 | Expected (reference) Value | 386.5 |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Sabio |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 26701218 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION METHOD: | | Direct GPT | |
| GPT DATE: | 16-Jul-2025 | GPT END TIME: | 12:49 |

**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 | 0.1 | 0.0 | | |
| 5000 | | 5000 | 381.2 | 380.3 | 381.6 | 1.003 | 0.999 |
| 5000 | | 5000 | 153.6 | n/a | 152.6 | n/a | 1.007 |
| 5000 | | 5000 | 54.5 | n/a | 54.5 | n/a | 1.000 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.001 | -0.1% |

**COMMENTS:**

Sample filter changed

O3[ppb] Station: AQHI Grimshaw Daily: 2025-07-16 Type: AVG 1 Min. [1 Min.]
O3 [ppb]
450
400
350
300
250
200
150
100
50
0
-50
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: | 04-Jul-2025 | PREVIOUS CALIBRATION DATE: | 04-Jun-2025 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 21.3 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 943 |
| PURPOSE | Removal/Shut-down | START TIME (MST): | 06:57 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 08:40 |

**ANALYZER:**

| VALUE | MAKE/MODEL | SERIAL | FLOW (mL/min) |
|---|---|---|---|
| | Thermo 55i | 12101910497 | 1044 |
| 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: | LL83929 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | $CH_4/C_3H_8$ (ppm): | 908.0 | 299.0 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 1900 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 28-Feb-2032 | | 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 $CH_4$ | 822.25 | Use Zero Chrom? | Yes |
| RANGE | 12 - 16 | 6 - 8 | 2 - 4 | THC as $CH_4$ | 1730.25 | New Zero Chrom? | n/a |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | CH4 | NMHC | THC | FINAL | CH4 | NMHC | THC |
|---|---|---|---|---|---|---|---|
| | 10.35 | 10.90 | 21.25 | | n/a | n/a | n/a |

**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 |
| 3100 | | 3100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | n/a | n/a | n/a | | | | | | |
| 3051 | 50.20 | 3101 | 14.70 | 13.31 | 28.01 | 14.21 | 12.82 | 27.03 | n/a | n/a | n/a | 1.034 | 1.038 | 1.036 | n/a | n/a | n/a |
| 3074 | 25.10 | 3099 | 7.35 | 6.66 | 14.01 | 7.06 | 6.38 | 13.44 | n/a | n/a | n/a | 1.042 | 1.044 | 1.043 | n/a | n/a | n/a |
| 3089 | 12.50 | 3101 | 3.66 | 3.31 | 6.97 | 3.54 | 3.19 | 6.73 | n/a | n/a | n/a | 1.034 | 1.039 | 1.036 | n/a | n/a | n/a |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| CH4 | 1.000 | 0.966 | 0.0% |
| NMHC | 1.000 | 0.963 | 0.0% |
| THC | 1.000 | 0.965 | 0.0% |

**Comments:**

Shutdown to rebuild sample pump

# Methane/Non-Methane Analyzer Calibration by Dilution

**CALIBRATION:**

| | | | |
|---|---|---|---|
| DATE: | 04-Jul-2025 | PREVIOUS CALIBRATION DATE: | n/a |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 24.1 |
| LOCATION: | Grimshaw | BAROMETRIC (mBar): | 944 |
| PURPOSE | Install/Post-Repair | START TIME (MST): | 12:12 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 15:30 |

**ANALYZER:**

| VALUE | MAKE/MODEL | SERIAL | FLOW (mL/min) |
|---|---|---|---|
| | Thermo 55i | 12101910497 | 1095 |
| PARAMETER: | CH4 | NMHC | THC |
| RANGE (ppm): | 20 | 20 | 40 |
| PREVIOUS CF: | n/a | n/a | n/a |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | Sabio | MAKE: | Teledyne | CYLINDER ID: | LL83929 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | $CH_4/C_3H_8$ (ppm): | 908.0 | 299.0 | HIGH EXPIRY: | n/a |
| ID: | 26701218 | ID: | 74 | CYLINDER (psi): | 1900 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 28-Feb-2032 | | 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 $CH_4$ | 822.25 | Use Zero Chrom? | Yes |
| RANGE | 12 - 16 | 6 - 8 | 2 - 4 | THC as $CH_4$ | 1730.25 | New Zero Chrom? | n/a |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | CH4 | NMHC | THC | FINAL | CH4 | NMHC | THC |
|---|---|---|---|---|---|---|---|
| | n/a | n/a | n/a | | 9.82 | 10.59 | 20.41 |

**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 |
| 3499 | | 3499 | 0.00 | 0.00 | 0.00 | n/a | n/a | n/a | 0.00 | 0.00 | 0.00 | | | | | | |
| 3442 | 56.70 | 3499 | 14.71 | 13.32 | 28.04 | n/a | n/a | n/a | 14.73 | 13.29 | 28.02 | n/a | n/a | n/a | 0.999 | 1.003 | 1.001 |
| 3474 | 28.30 | 3502 | 7.34 | 6.64 | 13.98 | n/a | n/a | n/a | 7.35 | 6.64 | 13.99 | n/a | n/a | n/a | 0.998 | 1.001 | 0.999 |
| 3487 | 14.20 | 3501 | 3.68 | 3.34 | 7.02 | n/a | n/a | n/a | 3.68 | 3.36 | 7.04 | n/a | n/a | n/a | 1.001 | 0.993 | 0.997 |

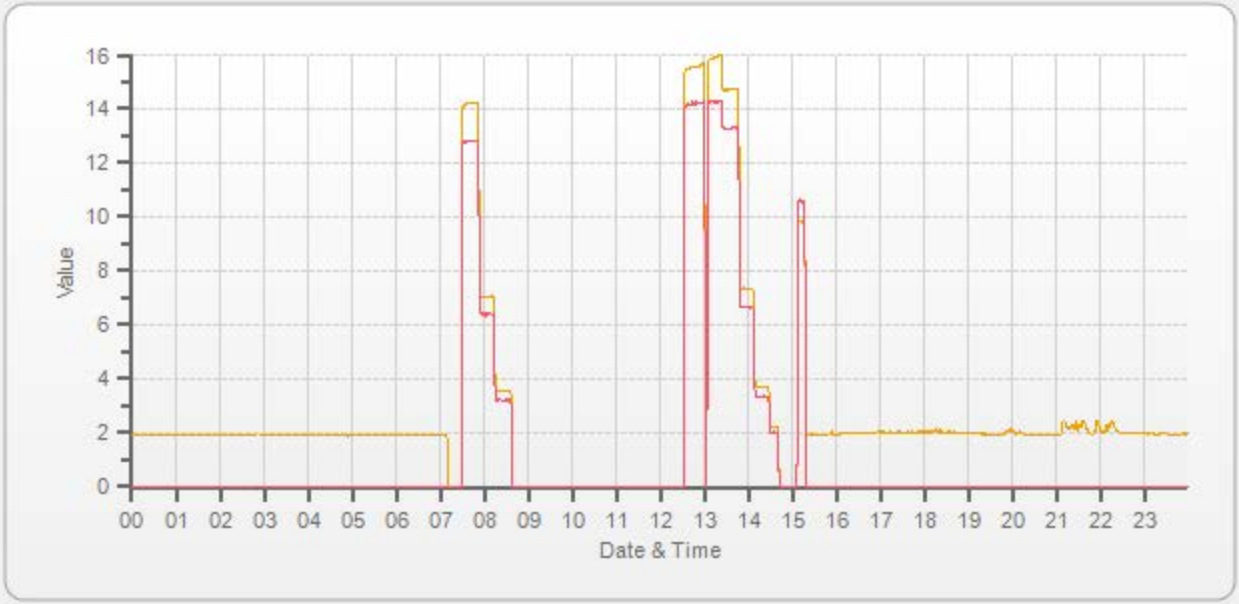
**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| CH4 | 1.000 | 1.001 | 0.0% |
| NMHC | 1.000 | 0.997 | 0.1% |
| THC | 1.000 | 0.999 | 0.0% |

**Comments:**

Sample filter changed
Post-repair following pump rebuild
13:00 = Daily ZS. High point restarted.

Station: AQHI Grimshaw Daily: 2025-07-04 Type: AVG 1 Min. [1 Min.]



# Teledyne T640 Audit/Calibration

| | | | | | |
|---|---|---|---|---|---|
| **Date/Previous Audit Date:** | July 15, 2025 | June 4, 2025 | **Weather Conditions:** | Mainly sunny | |
| **Company:** | PRAMP | | **Start Time (mst):** | 14:05 | |
| **Station:** | Grimshaw | | **End Time (mst):** | 14:35 | |
| **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):** | No |

**Reference Standards/I.D./Expiry Date:**

**Flow Standard:** Deltacal DC1 #206578, Exp Nov 27,2025
**Digital Manometer:** Deltacal DC1 #206578, Exp Nov 27,2025
**Temperature:** Deltacal DC1 #206578, Exp Nov 27,2025
**Pressure:** Deltacal DC1 #206578, Exp Nov 27,2025

**DIAGNOSTICS:**

| | | | | | |
|---|---|---|---|---|---|
| Ambient Pressure (mmHg) | 712.2 | Ambient Temp (°C) | 23.9 | ASC Heater Duty (%) | 0.0 |
| Box Temp (°C) | 27.1 | Current PMT HV (V) | 1543 | LED Temp (°C) | 35.83 |
| P3 Value | 50 | PMT Setting (V) | 1547 | Pump PWM (%) | 30 |
| Sample Flow (L/min) | 4.99 | Sample RH (%RH) | 31.0 | Sample Temp (°C) | 25.8 |

| 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) | 713.0 | 712.0 | n/a | n/a | +/- 10 mm Hg |
| Ambient Temperature (°C) | 24.10 | 24.5 | n/a | | +/- 2°C |
| Sample Flow (L/min) | 5.05 | 5.02 | 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:**

# Meteorological System Checklist

| | | | |
|---|---|---|---|
| Date: | July 16, 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: | June 4, 2025 |
| Parameter: | Temperature @ 2 metres |
| Reference Thermometer ID: | FS 181341226 expires July 24, 2025 |
| Reference Temperature ($^{o}$C): | 25.1 |
| Station - Ambient Temperature ($^{o}$C): | 25.7 |
| Temperature Difference ($^{o}$C): | -0.6 |

**BAROMETRIC PRESSURE SENSOR CHECK**

| | | |
|---|---|---|
| Previous check date: | June 4, 2025 | |
| Reference Barometer ID: | Brunton 05535 Expires July 24,2025 | |
| Reference Pressure - Units/Reading: | millibar | 943 |
| Station  Pressure - Units/Reading: | millibar | 942.1 |
| Pressure Tolerance +/- 15% of error: | 802 - 1084 | 0.10% |

**RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK**

| | | |
|---|---|---|
| Previous check date: | June 4, 2025 | |
| Reference Hygrometer ID: | FS 181341226 expires July 24, 2025 | |
| Reference Hygrometer % RH- Reading: | 27.00 | |
| Station Hygrometer % RH- Reading: | 26.30 | |
| RH Tolerance +/- 15% of difference: | 22.95 - 31.05 | 2.6% |

**ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK**

| WIND SPEED | | WIND DIRECTION | |
|---|---|---|---|
| Previous check date: | June 4, 2025 | Previous check date: | June 4, 2025 |
| > | 10~20 | Wind Direction Observed: | E |
| Wind speed on Data Logger (kph): | 11.6 | Wind Direction on Data Logger: | E |
| | | 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

# JULY 2025

## Ambient Air Monitoring Calibration Report

## - PEACE RIVER COMPLEX (PRC) STATION-

## CAL-PRAMP-202507-01698

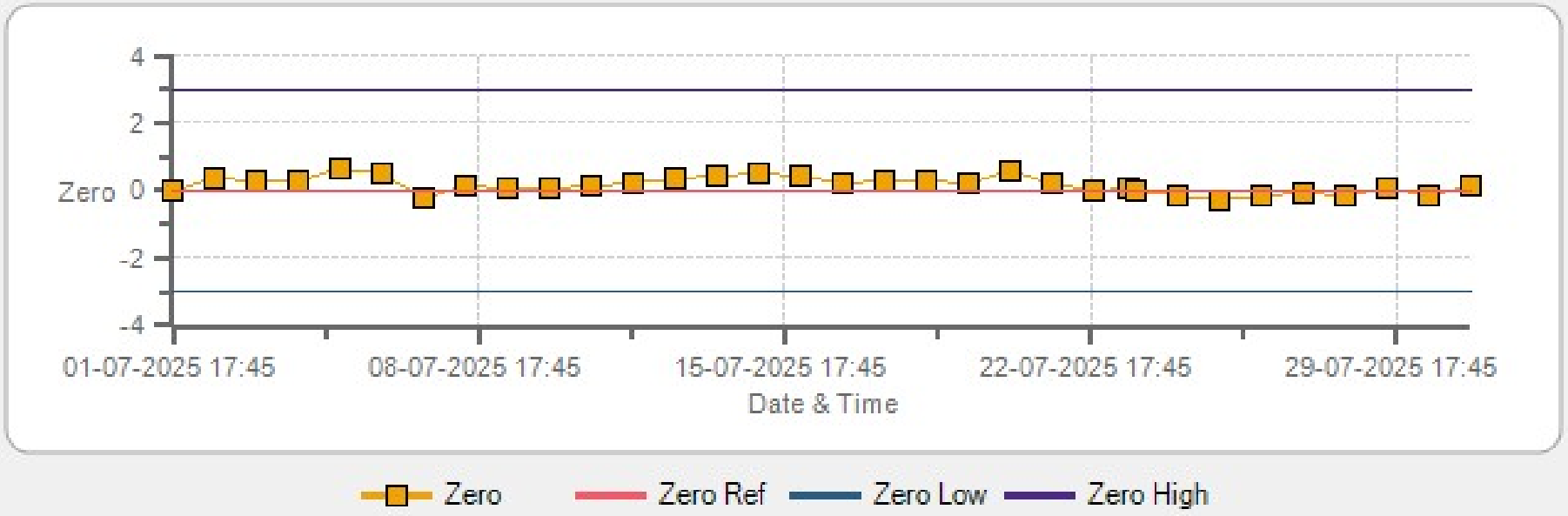
**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Bureau Veritas Canada

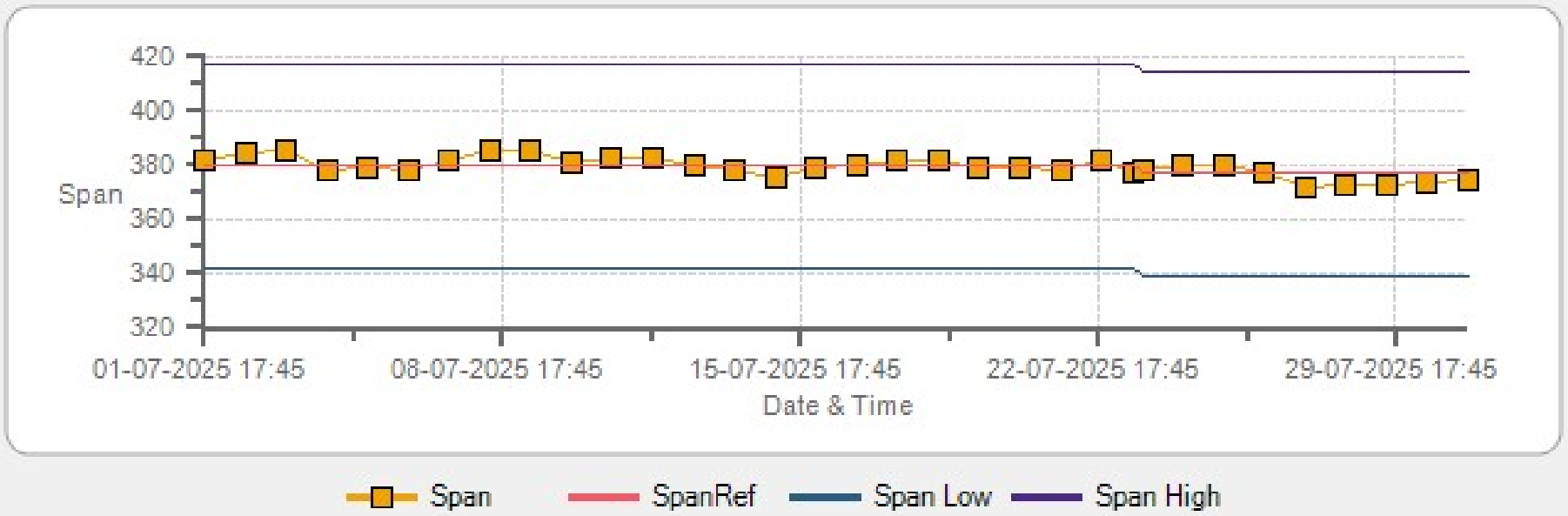
August 5, 2025

# DAILY INTERNAL ZERO-SPAN CALIBRATION RECORDS

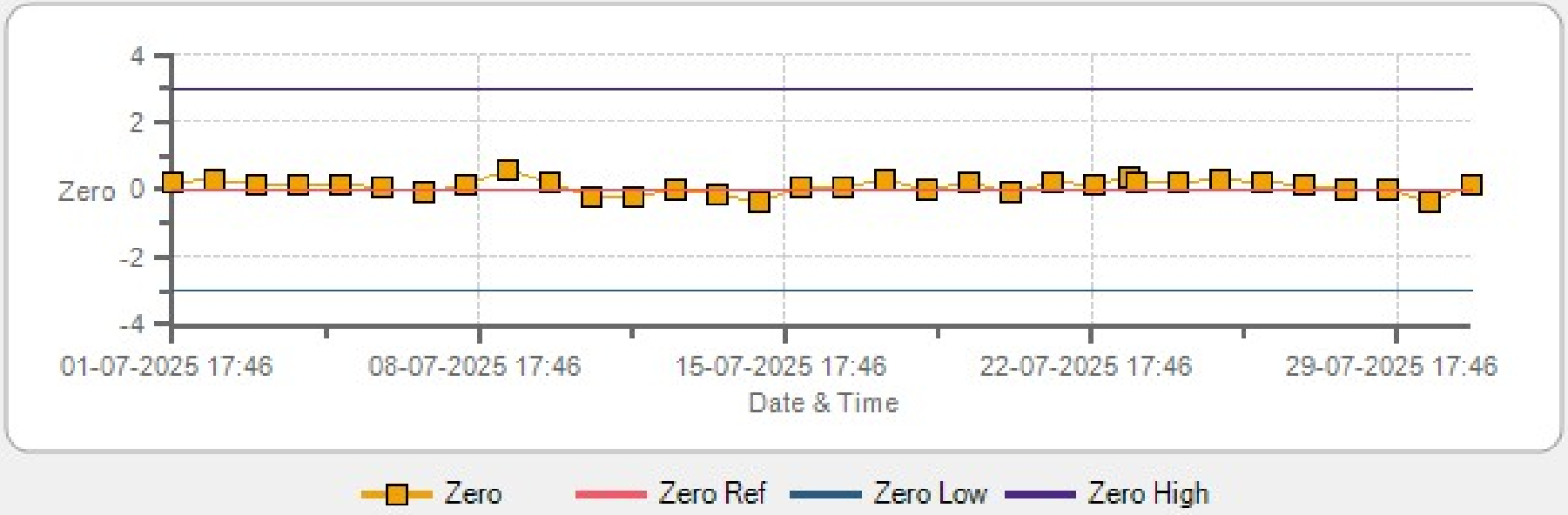
SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Zero



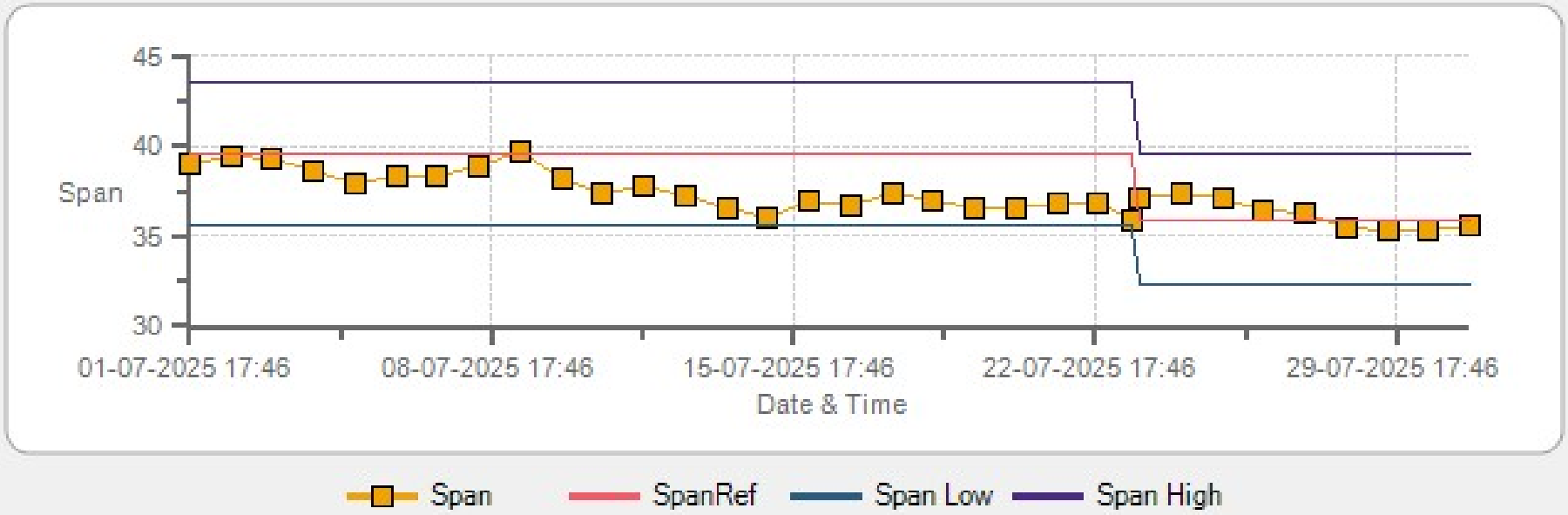

SO2[ppb] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Span



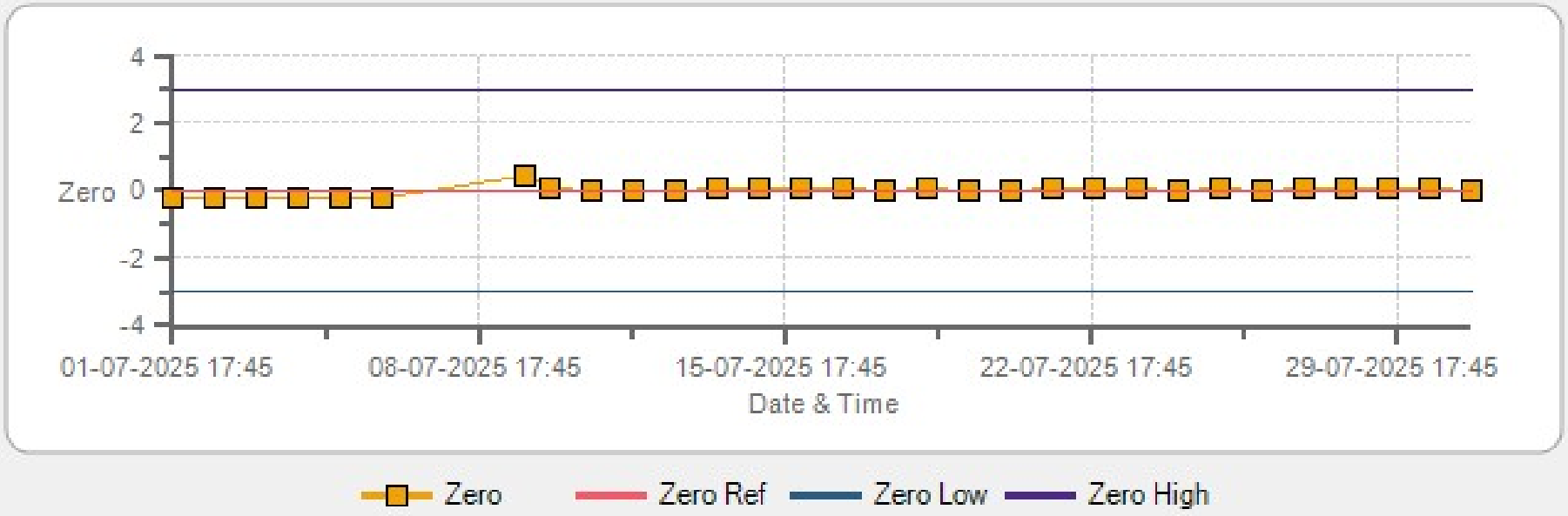
H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Zero



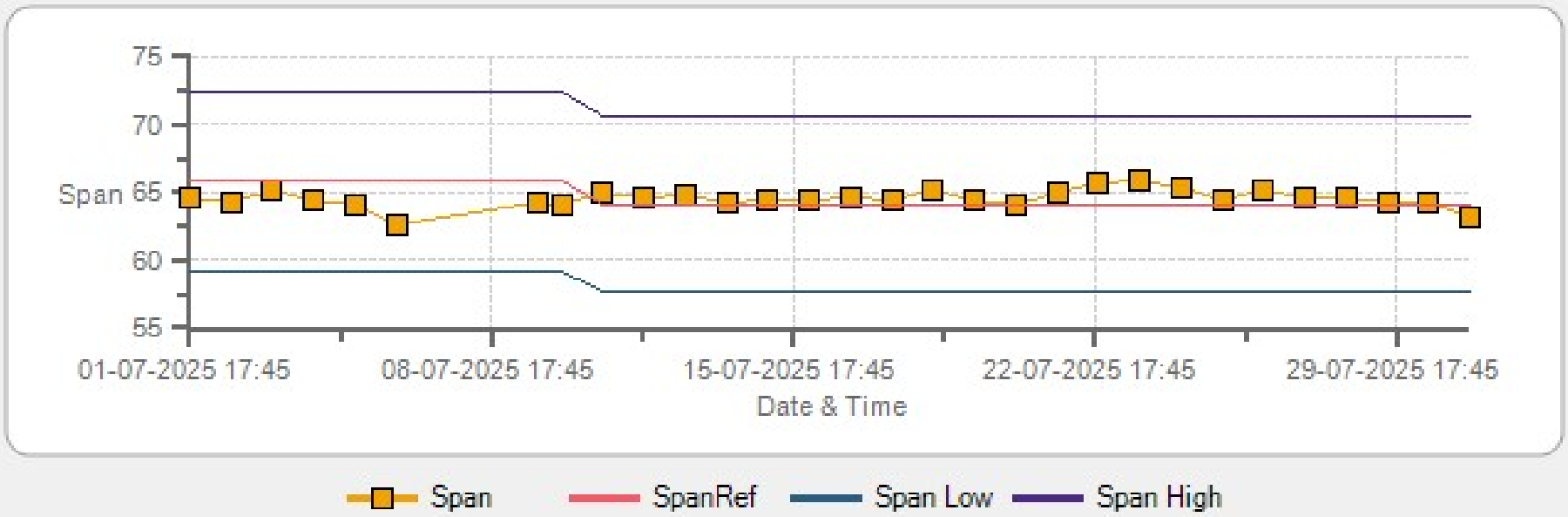

H2S[ppb] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Span



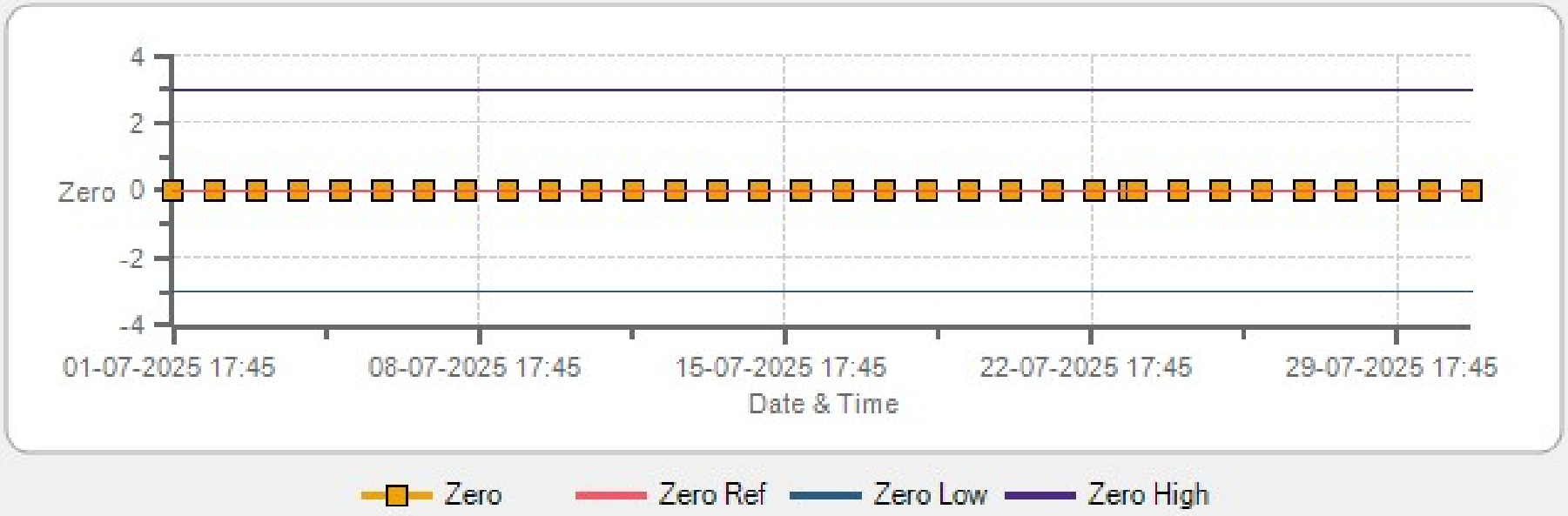
TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Zero



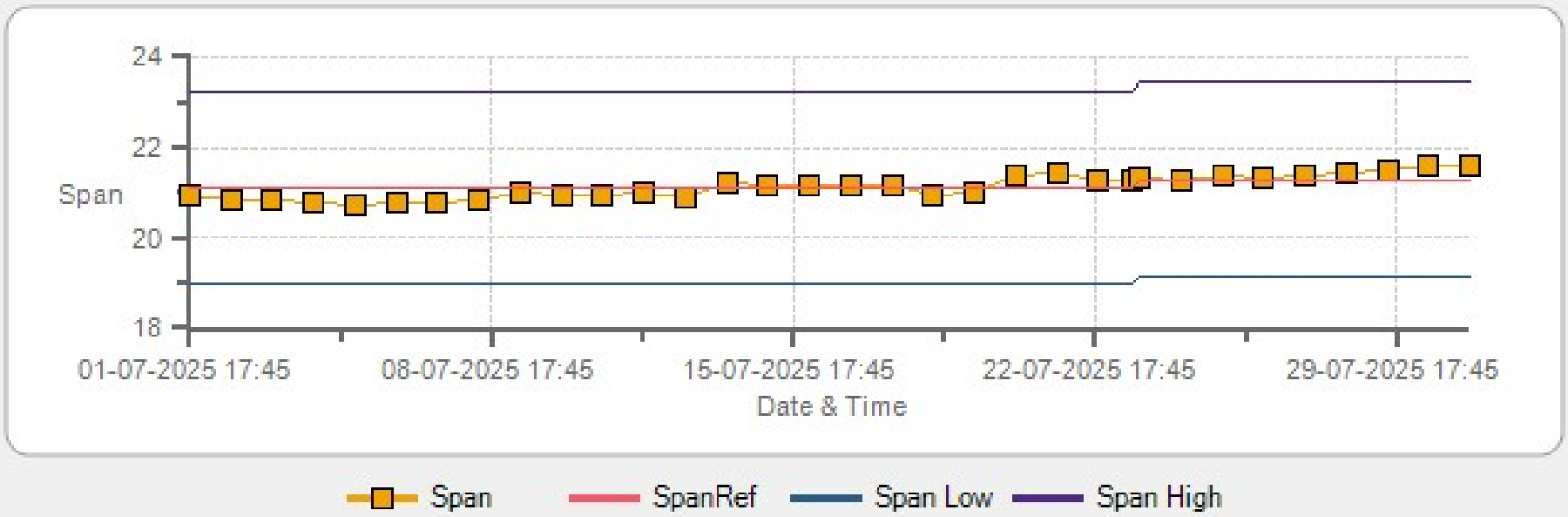

TRS[ppb] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Span



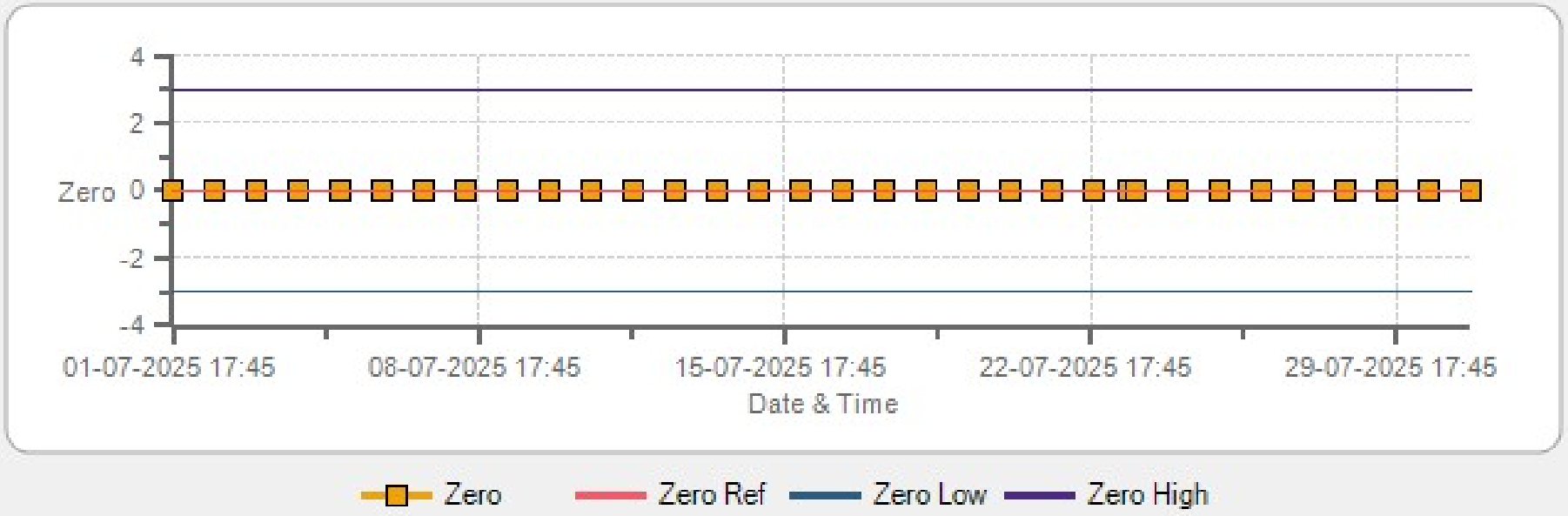
THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Zero



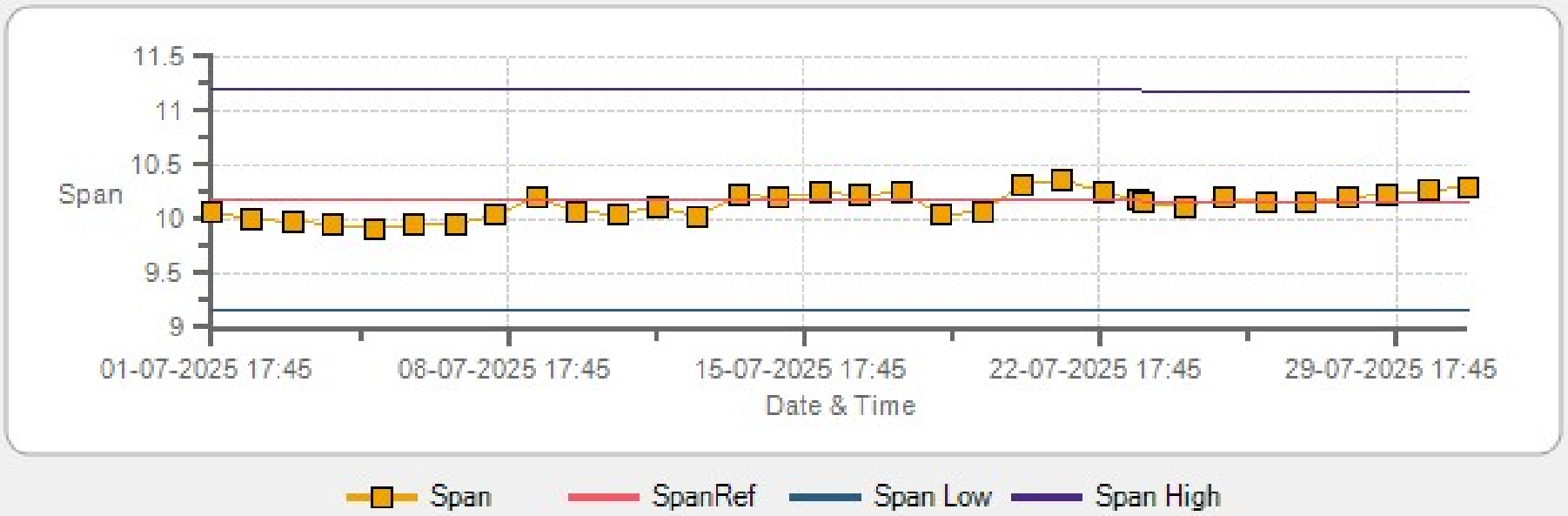

THC55[ppm] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Span

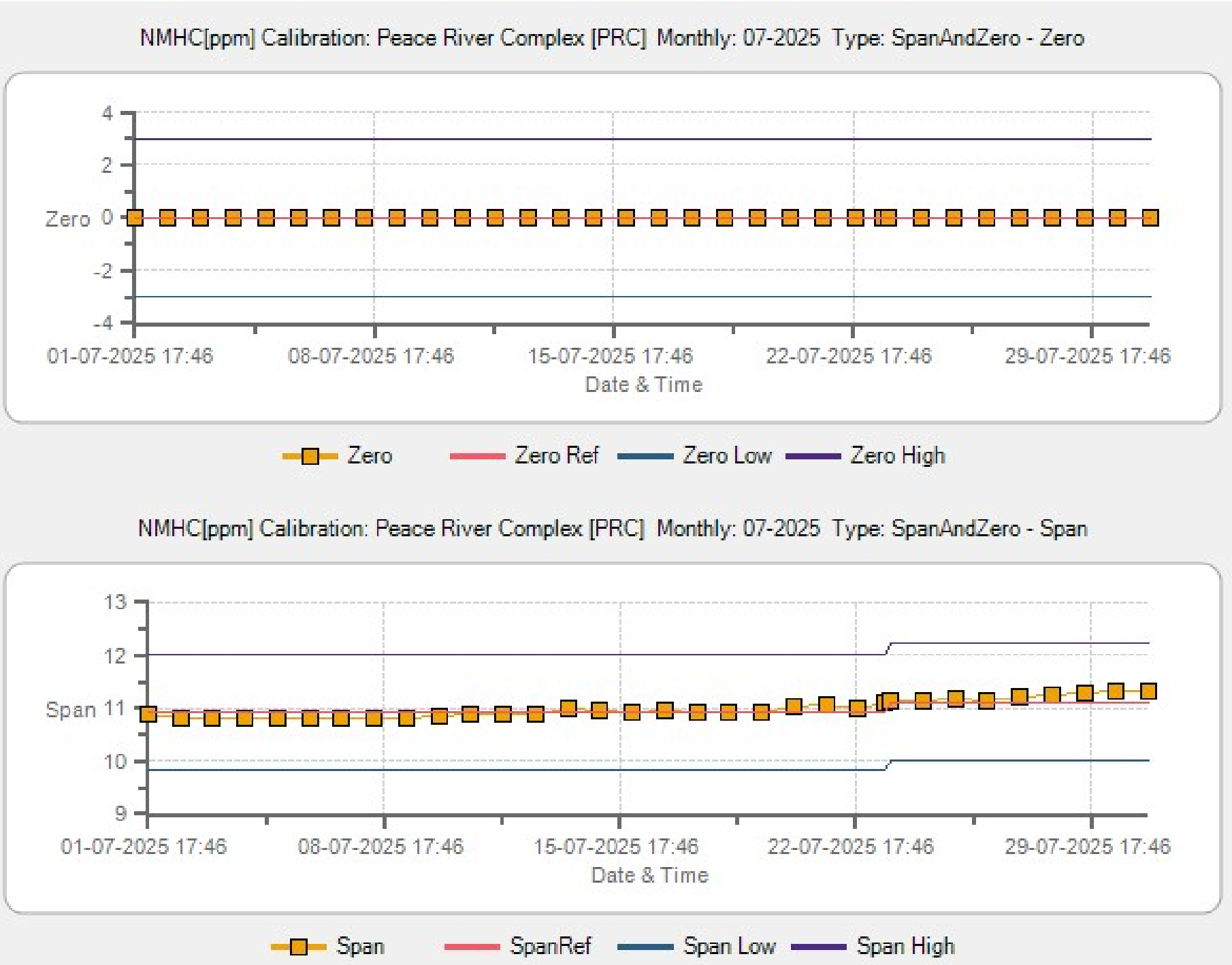


CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Zero




CH4[ppm] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Span




NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Zero
4
2
Zero 0
-2
-4
01-07-2025 17:46
08-07-2025 17:46
15-07-2025 17:46
22-07-2025 17:46
29-07-2025 17:46
Date & Time
Zero
Zero Ref
Zero Low
Zero High
NMHC[ppm] Calibration: Peace River Complex [PRC] Monthly: 07-2025 Type: SpanAndZero - Span
13
12
Span 11
10
9
01-07-2025 17:46
08-07-2025 17:46
15-07-2025 17:46
22-07-2025 17:46
29-07-2025 17:46
Date & Time
Span
SpanRef
Span Low
Span High

# MULTI-POINT CALIBRATION RECORDS

# SO2 Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 23-Jul-2025 | PREVIOUS CALIBRATION DATE: | 17-Jun-2025 |
| PARAMETER: | SO2 | PREVIOUS CORRECTION FACTOR: | 1.000 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 20.2 |
| LOCATION: | Peace River Compliance | BAROMETRIC (mBar): | 942 |
| PURPOSE | Routine | START TIME (MST): | 10:15 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 14:14 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43i | RANGE | 500 | ppb |
| SERIAL # | 1034746225 | FLOW (mL/min) | 447 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 20.7 | BKG/OFFSET | 20.8 | |
| COEF/SLOPE | 1.142 | COEF/SLOPE | 1.13 | |
| Expected (reference) Value | 379.6 | Expected (reference) Value | 377 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | 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): | 800 | 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:**

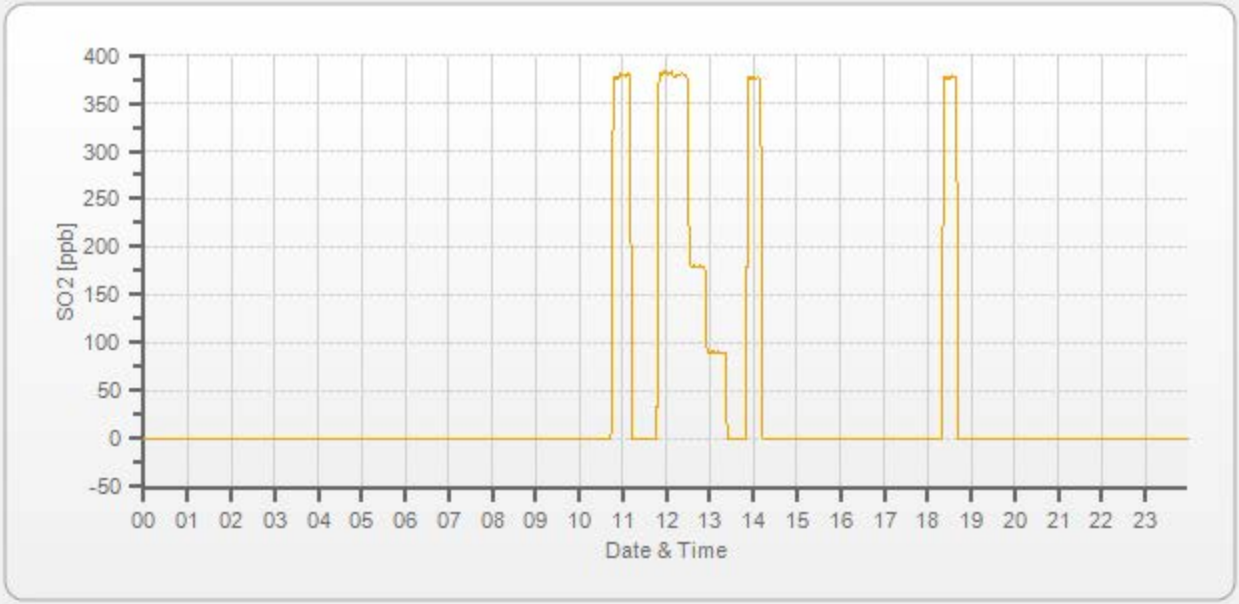
| FLOW RATES (mL/min) | | | CONCENTRATION (ppb) | | | CORRECTION FACTOR | |
|---|---|---|---|---|---|---|---|
| DILUENT | GAS | TOTAL | ACTUAL | INDICATED Initial | INDICATED Final | Initial | Final |
| 3999 | | 3999 | 0.00 | -0.3 | 0 | | |
| 3939 | 60.60 | 4000 | 380.27 | 379.1 | 380.1 | 1.002 | 1.000 |
| 3968 | 28.70 | 3997 | 180.23 | n/a | 180.3 | n/a | 1.000 |
| 3984 | 14.40 | 3998 | 90.41 | n/a | 90.1 | n/a | 1.003 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.000 | 0.0% |

**COMMENTS:**

Sample filter changed


SO2[ppb] Station: Peace River Complex [PRC] Daily: 2025-07-23 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-Jul-2025 | PREVIOUS CALIBRATION DATE: | 17-Jun-2025 |
| PARAMETER: | H2S | PREVIOUS CORRECTION FACTOR: | 0.999 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 20.2 |
| LOCATION: | Peace River Compliance | BAROMETRIC (mBar): | 942 |
| PURPOSE | Routine | START TIME (MST): | 10:15 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 14:14 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Teledyne T100 | RANGE | 100 | ppb |
| SERIAL # | 1014 | FLOW (mL/min) | 521 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | 15.174 | BKG/OFFSET | 15.174 | |
| COEF/SLOPE | 0.964 | COEF/SLOPE | 0.972 | |
| Expected (reference) Value | 39.5 | Expected (reference) Value | 35.9 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1500 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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 | -0.2 | 0 | | |
| 3968 | 32.20 | 4000 | 78.09 | 78.1 | 78.3 | 0.997 | 0.997 |
| 3981 | 15.70 | 3997 | 38.10 | n/a | 38 | n/a | 1.003 |
| 3993 | 7.80 | 4001 | 18.91 | n/a | 18.9 | n/a | 1.001 |

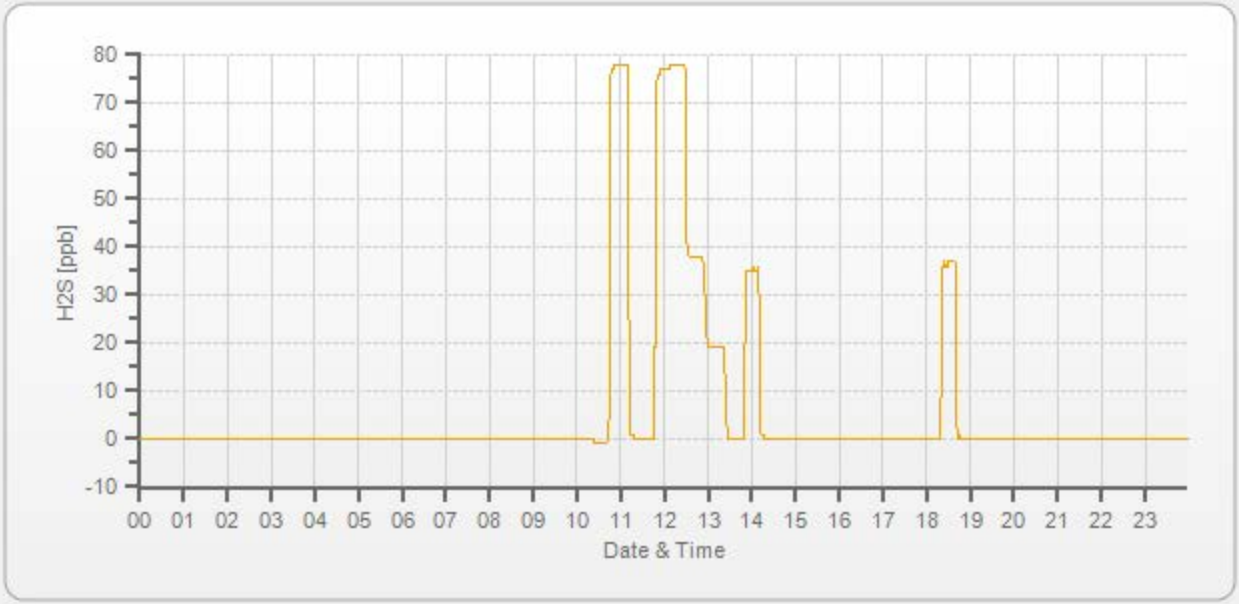
**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.003 | -0.1% |

**COMMENTS:**

BV Analyser- Teledyne T101

H2S[ppb] Station: Peace River Complex [PRC] Daily: 2025-07-23 Type: AVG 1 Min. [1 Min.]



# TRS Analyzer Calibration by Dilution

| | | | |
|---|---|---|---|
| DATE: | 09-Jul-2025 | PREVIOUS CALIBRATION DATE: | n/a |
| PARAMETER: | TRS | PREVIOUS CORRECTION FACTOR: | n/a |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 24.5 |
| LOCATION: | Peace River Compliance | BAROMETRIC (mBar): | 933 |
| PURPOSE | Install/Post-Repair | START TIME (MST): | 15:52 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 19:10 |

**ANALYZER:**

| | | | | |
|---|---|---|---|---|
| MAKE/MODEL | Thermo 43i-TLE | RANGE | 100 | ppb |
| SERIAL # | 1162460022 | FLOW (mL/min) | 461 | |
| INITIAL | | FINAL | | |
| BKG/OFFSET | n/a | BKG/OFFSET | 2.58 | |
| COEF/SLOPE | n/a | COEF/SLOPE | 1.035 | |
| Expected (reference) Value | n/a | Expected (reference) Value | 64.18 | |

**CALIBRATION SYSTEM:**

| | | | |
|---|---|---|---|
| CALIBRATOR: | | ZERO AIR: | |
| MAKE: | Sabio | MAKE: | Teledyne |
| MODEL: | 2010 | MODEL: | T701 |
| ID: | 58100720 | ID: | 74 |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a |
| CALIBRATION GAS: | | FLOWMETERS (if applicable): | |
| CYLINDER ID: | EY0002455 | HIGH ID | n/a |
| CONC (ppm): | 9.70 | EXPIRY DATE | n/a |
| CYLINDER (psi): | 1500 | LOW ID | n/a |
| EXPIRY DATE | 29-Sep-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: | 15:25 | SO2 Conc (ppb) | 380 |
| END TIME: | 15:40 | Analyzer Response (ppb) | 0.0 |

**CALIBRATION:**

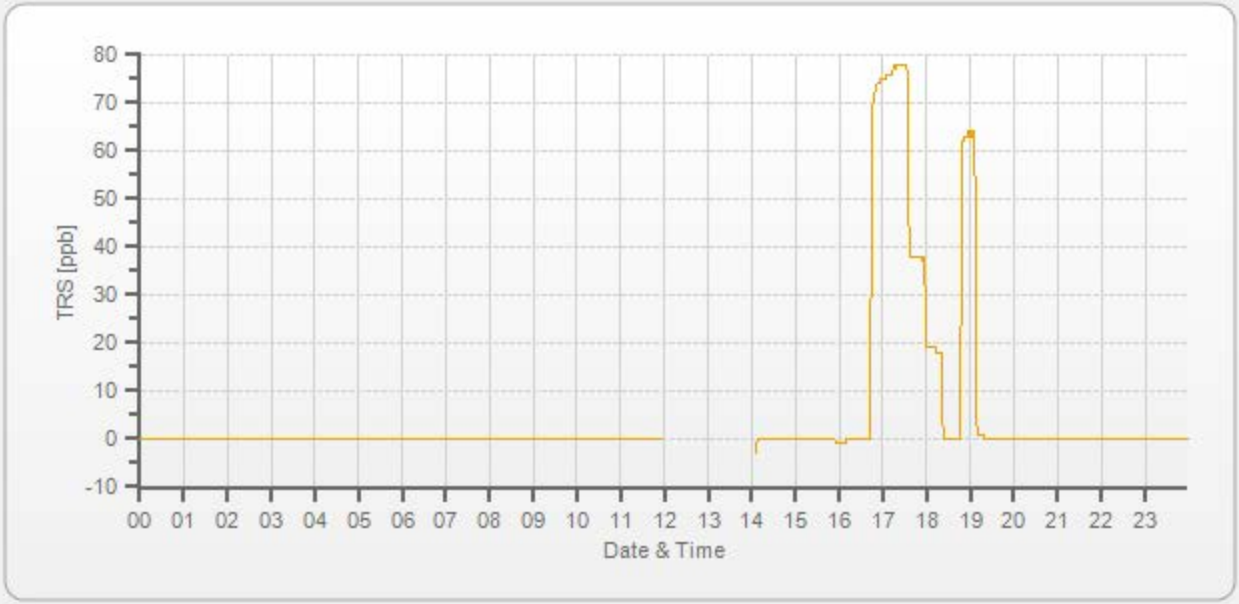
| FLOW RATES (mL/min) | | | CONCENTRATION (ppb) | | | CORRECTION FACTOR | |
|---|---|---|---|---|---|---|---|
| | | | ACTUAL | INDICATED | | Initial | Final |
| DILUENT | GAS | TOTAL | | Initial | Final | | |
| 3999 | | 3999 | 0.00 | n/a | 0 | | |
| 3968 | 32.20 | 4000 | 78.09 | n/a | 78.27 | n/a | 0.998 |
| 3981 | 15.70 | 3997 | 38.10 | n/a | 38.28 | n/a | 0.995 |
| 3993 | 7.80 | 4001 | 18.91 | n/a | 19.15 | n/a | 0.987 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| VALUE | 1.000 | 1.002 | 0.1% |

**COMMENTS:**

Post repair calibration following sample pump replacement


TRS[ppb] Station: Peace River Complex [PRC] Daily: 2025-07-09 Type: AVG 1 Min. [1 Min.]
80
70
60
50
40
30
20
10
0
-10
TRS [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
TRS [ppb]

# Methane/Non-Methane Analyzer Calibration by Dilution

**CALIBRATION:**

| | | | |
|---|---|---|---|
| DATE: | 23-Jul-2025 | PREVIOUS CALIBRATION DATE: | 17-Jun-2025 |
| CLIENT: | PRAMP | TEMPERATURE (°C): | 20.2 |
| LOCATION: | Peace River Compliance | BAROMETRIC (mBar): | 942 |
| PURPOSE | Routine | START TIME (MST): | 10:15 |
| PERFORMED BY: | Kevin Sebastian | END TIME (MST): | 15:02 |

**ANALYZER:**

| VALUE | MAKE/MODEL | SERIAL | FLOW (mL/min) |
|---|---|---|---|
| | Thermo 55i | 1034745845 | 1077 |
| PARAMETER: | CH4 | NMHC | THC |
| RANGE (ppm): | 20 | 20 | 40 |
| PREVIOUS CF: | 1.002 | 0.998 | 1.000 |

**CALIBRATION SYSTEM:**

| CALIBRATOR: | | ZERO AIR: | | CALIBRATION GAS: | | | FLOWMETERS (if applicable): | |
|---|---|---|---|---|---|---|---|---|
| MAKE: | SABIO | MAKE: | Teledyne | CYLINDER ID: | LL83929 | | HIGH ID: | n/a |
| MODEL: | 2010 | MODEL: | T701 | $CH_4/C_3H_8$ (ppm): | 908.0 | 299.0 | HIGH EXPIRY: | n/a |
| ID: | 58100720 | ID: | 74 | CYLINDER (psi): | 1800 | | LOW ID: | n/a |
| MFC CALIBRATION DATE: | 07-Mar-2025 | OXIDIZER ID: | n/a | EXPIRY DATE | 28-Feb-2032 | | 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 $CH_4$ | 822.25 | Use Zero Chrom? | No |
| RANGE | 12 - 16 | 6 - 8 | 2 - 4 | THC as $CH_4$ | 1730.25 | New Zero Chrom? | No |

**EXPECTED (REFERENCE) VALUE:**

| INITIAL | CH4 | NMHC | THC | FINAL | CH4 | NMHC | THC |
|---|---|---|---|---|---|---|---|
| | 10.18 | 10.92 | 21.10 | | 10.17 | 11.12 | 21.30 |

**CALIBRATION:**

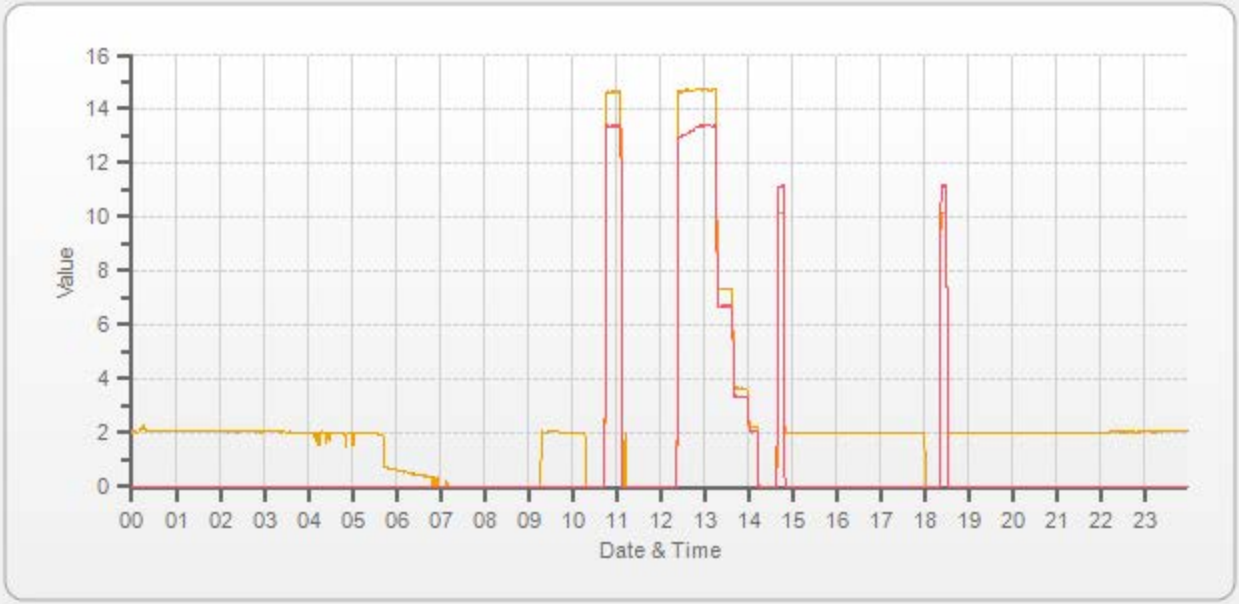
| FLOW RATE (mL/min) | | | CONCENTRATION (PPM) | | | | | | | | | CORRECTION FACTOR (CF.) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CALCULATED | | | INITIAL INDICATED | | | FINAL INDICATED | | | INITIAL | | | FINAL | | |
| DILUENT | GAS | TOTAL | CH4 | 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 | | | | | | |
| 3444 | 56.70 | 3501 | 14.71 | 13.32 | 28.02 | 14.63 | 13.38 | 28.01 | 14.71 | 13.36 | 28.07 | 1.005 | 0.995 | 1.000 | 1.000 | 0.997 | 0.998 |
| 3474 | 28.30 | 3502 | 7.34 | 6.64 | 13.98 | n/a | n/a | n/a | 7.33 | 6.70 | 14.02 | n/a | n/a | n/a | 1.001 | 0.992 | 0.997 |
| 3486 | 14.20 | 3500 | 3.68 | 3.34 | 7.02 | n/a | n/a | n/a | 3.66 | 3.34 | 7.00 | n/a | n/a | n/a | 1.007 | 0.999 | 1.003 |

**LINEAR REGRESSION ANALYSIS:**

| | CORRELATION | SLOPE | INTERCEPT |
|---|---|---|---|
| CH4 | 1.000 | 1.001 | -0.1% |
| NMHC | 1.000 | 1.004 | 0.0% |
| THC | 1.000 | 1.002 | 0.0% |

**Comments:**

Sample Filter Changed
H2 dessicant changed


Station: Peace River Complex [PRC] Daily: 2025-07-23 Type: AVG 1 Min. [1 Min.]
Value
Date & Time
CH4 [ppm]
NMHC [ppm]

# Meteorological System Checklist

| | | | |
|---|---|---|---|
| Date: | July 23, 2025 | | |
| Technician: | Kevin Sebastian | | |
| Station: | Peace River Compliance | | |
| **Unit:** | **Make:** | | **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: | June 17, 2025 | | |
| Parameter: | Temperature @ 2 metres | | |
| Reference Thermometer ID: | F.S. 181341226 expires July 24, 2025 | | |
| Reference Temperature ($^{o}$C): | 23.8 | | |
| Station - Ambient Temperature ($^{o}$C): | 23.1 | | |
| Temperature Difference ($^{o}$C): | 0.7 | | |
| **BAROMETRIC PRESSURE SENSOR CHECK** | | | |
| Previous check date: | June 17, 2025 | | |
| Reference Barometer ID: | Brunton 05535 Expires July 24, 2025 | | |
| Reference Pressure - Units/Reading: | millibar | 940.3 | |
| Station  Pressure - Units/Reading: | millibar | 940 | |
| Pressure Tolerance +/- 15% of error: | 799 - 1081 | 0.03% | |
| **RELATIVE HUMIDITY (HYGROMETER) SENSOR CHECK** | | | |
| Previous check date: | June 17, 2025 | | |
| Reference Hygrometer ID: | F.S. 181341226 expires July 24, 2025 | | |
| Reference Hygrometer % RH- Reading: | 30.10 | | |
| Station Hygrometer % RH- Reading: | 31.60 | | |
| RH Tolerance +/- 15% of difference: | 25.59 - 34.62 | -5.0% | |
| **ANEMOMETER - WIND SPEED & WIND DIRECTION SENSOR CHECK** | | | |
| WIND SPEED | | WIND DIRECTION | |
| Previous check date: | June 17, 2025 | Previous check date: | June 17, 2025 |
| Wind Speed Observed (kph): | 10~20 | Wind Direction Observed: | S |
| Wind speed on Data Logger (kph): | 11.8 | 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:** | 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<br>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**

# JULY 2025

## Monthly Ambient Air Quality Monitoring Integrated Sampling Report

## PRAMP-202507-INTEGRATED

August 18, 2025

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Peace River Area Monitoring Program
Suite 91, 305 – 4625 Varity Drive NW
Calgary, AB, T3A 0Z9
Phone #: 780-226-7068 / 587-225-2248
E-mail: pramptech@prampairshed.ca
www.prampairshed.ca

**August 18, 2025**

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

**RE: PRAMP – July 2025 Monthly Ambient Air Quality Monitoring Integrated Sampling Report**

Enclosed is the July 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 July 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. The canister system triggered at the Reno-B Station on July 28 was not valid due to station HVAC maintenance activities.

- **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 July and August 2025 were installed on July 2. They are scheduled to be removed by the end of August.

- **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 July 1, and were removed on July 31.
  - SO2: Sample media at station #1 was found damaged.

## 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).

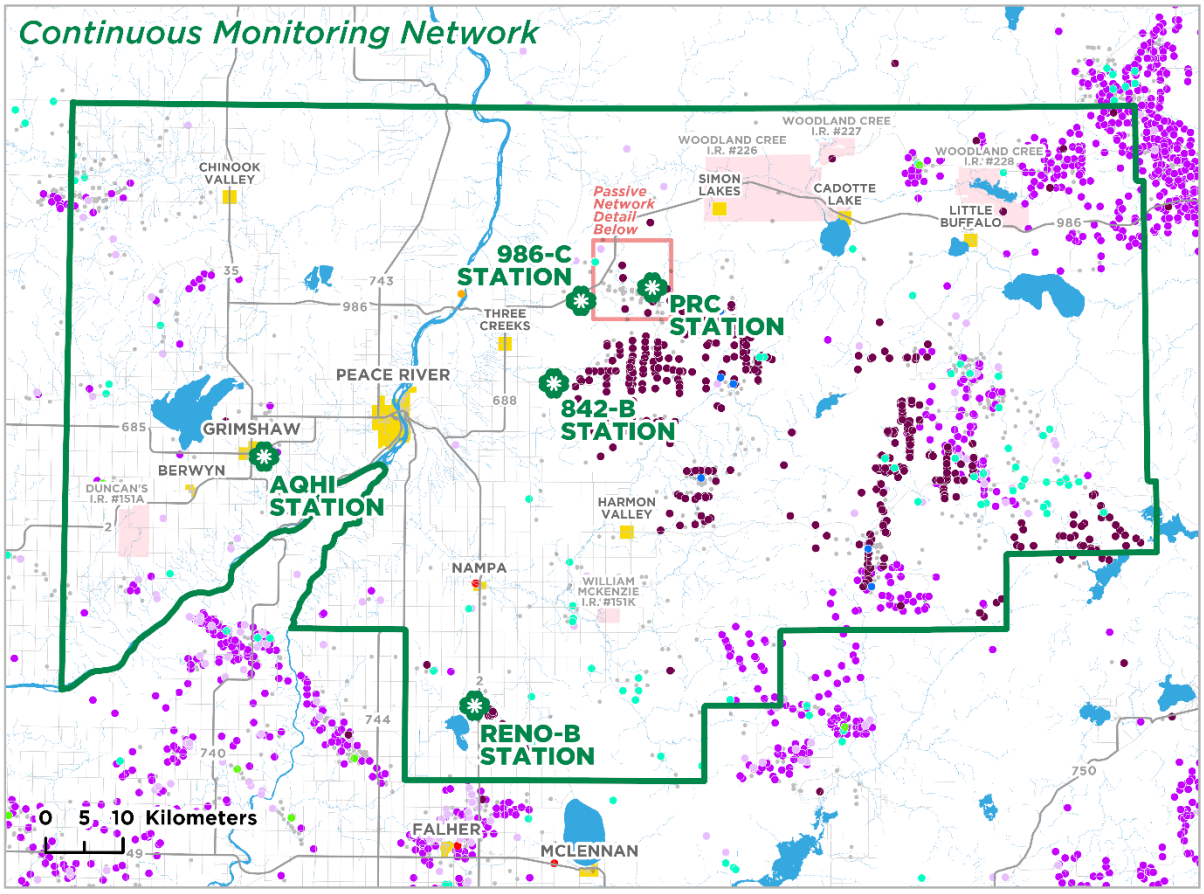
Lily Lin, Technical Program Manager, PRAMP Airshed

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
August 18, 2025

## Map of PRAMP Continuous Monitoring and Integrated Sampling Network

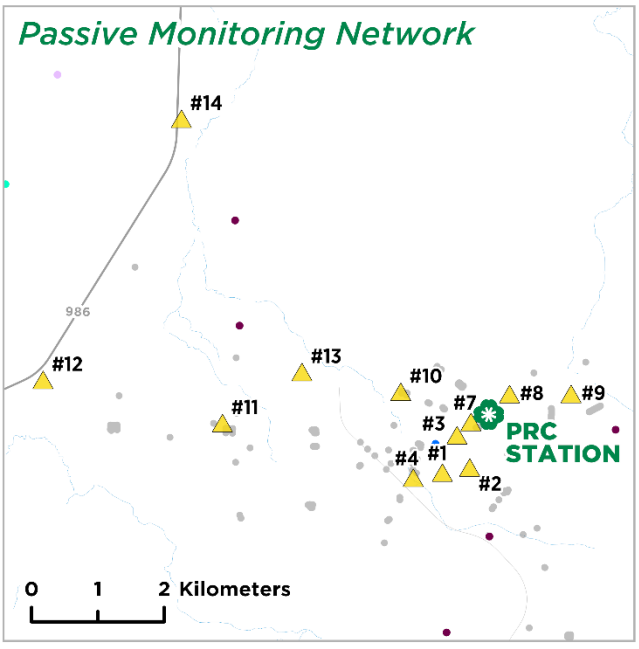



## Legend

- 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)** | 0.14 | #15 | 0.2 | #7 |
| **Maximum (ppb)** | 0.58 | #4 | 0.5 | #2 |
| **Average (ppb)** | 0.26 | - | 0.27 | - |

# ANALYTICAL SAMPLING RESULTS

# Passives

***PEACE RIVER AREA MONITORING PROGRAM***

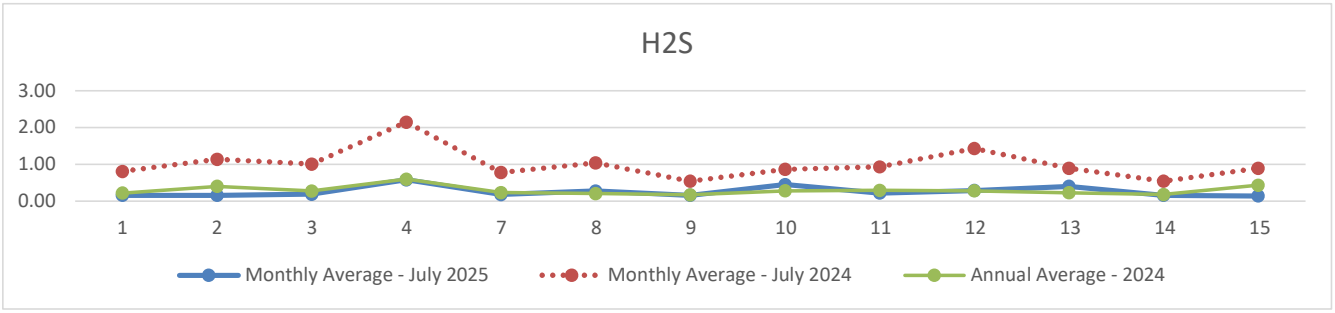
***PRC Site - July 2025***

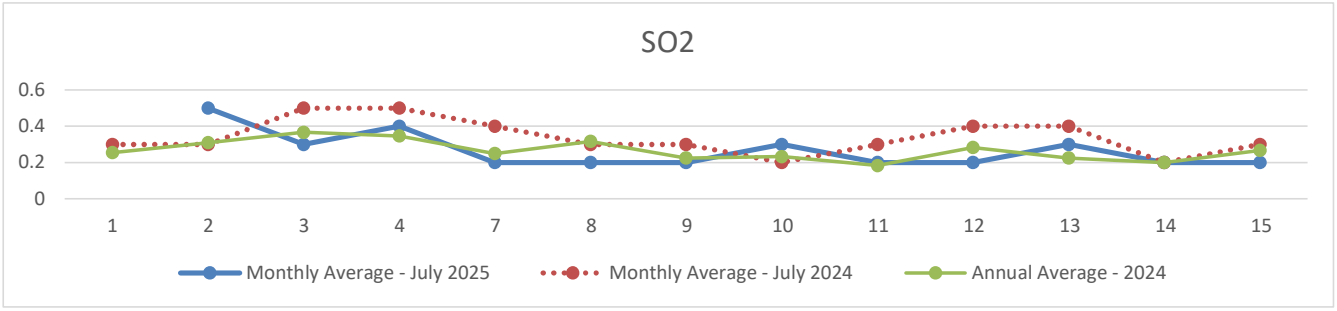
**Passive Results**

| | $H_2S$ | | $SO_2$ | |
|---|---|---|---|---|
| **Minimum (ppb)** | 0.14 | #15 | 0.2 | #7 |
| **Maximum (ppb)** | 0.58 | #4 | 0.5 | #2 |
| **Average (ppb)** | 0.26 | - | 0.27 | - |

| No. | Calculated Value | Calculated Value |
|---|---|---|
| 1 | 0.16 | n/a |
| 2 | 0.16 | 0.5 |
| 3 | 0.19 | 0.3 |
| 4 | 0.58 | 0.4 |
| 7 | 0.18 | 0.2 |
| 8 | 0.27 | 0.2 |
| 9 | 0.16 | 0.2 |
| 10 | 0.45 | 0.3 |
| 11 | 0.22 | 0.2 |
| 12 | 0.29 | 0.2 |
| 13 | 0.40 | 0.3 |
| 14 | 0.16 | 0.2 |
| 15 | 0.14 | 0.2 |
| **Reportable Detection Limit (RDL)** | **0.02** | **0.1** |

**Note: Analytical result was labeled as "n/a" if the sample media was damaged and could not be analyzed.**



End of Report

**Peace River Area Monitoring Program**

# JULY 2025

## Ambient Air Monitoring

## Certified Laboratory Analysis Report

## LAB-PRAMP-202507

**Operation and Maintenance:**
Bureau Veritas Canada

**Data Validation and Report:**
Peace River Area Monitoring Program

August 5, 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 | 01/07/25 | 3:00pm | July 31 25 | 3:30 pM | | 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 | | 5:00pm | | 4:30 | | X | X | | | | | | | | | | | |
| Blank | | | | | | X | X | | | | | | | | | | | |
| Blank | | | | | | X | X | | | | | | | | | | | |

**Notes/Comments:** Client 12521 / Scenario 18009

**Sampled By** Bo G **Phone/Email** 618/880 **Received By** Bo G **Date/Time** July 31 **Project #** ___

**Date Shipped** ___ **Signature** ___ **PO#** ___

NS 250806 15SO2 15H2S 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 #: 2025/07/01-2025/07/31
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: 2025/08/15**
Report #: R3684722
Version: 1 - Final

# CERTIFICATE OF ANALYSIS

**BUREAU VERITAS JOB #: G504012**
**Received: 2025/08/06, 08:00**

Sample Matrix: Air
# Samples Received: 13

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|---|---|---|---|---|
| H2S Passive Analysis | 13 | 2025/08/13 | 2025/08/14 | PTC SOP-00150 | Passive H2S in ATM |
| SO2 Passive Analysis | 13 | 2025/08/07 | 2025/08/14 | 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
15 Aug 2025 09:07:10

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

==========

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.



Bureau Veritas Edmonton: 6744 - 50th Street, T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: G504012
Report Date: 2025/08/15

Peace River Area Monitoring Program Committee
Client Project #: 2025/07/01-2025/07/31
Site Location: PEACE RIVER COMPLEX
Sampler Initials: BG

## RESULTS OF CHEMICAL ANALYSES OF AIR

| Bureau Veritas ID | | DOH416 | DOH417 | DOH418 | DOH419 | DOH420 | DOH421 | DOH422 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | | |
| | UNITS | 1 | 2 | 3 | 4 | 7 | 8 | 9 | RDL | QC Batch |
| **Passive Monitoring** | | | | | | | | | | |
| Calculated H2S | ppb | 0.16 | 0.16 | 0.19 | 0.58 | 0.18 | 0.27 | 0.16 | 0.02 | C019364 |
| Calculated SO2 | ppb | MISSING (1) | 0.5 | 0.3 | 0.4 | 0.2 | 0.2 | 0.2 | 0.1 | C017184 |

RDL = Reportable Detection Limit
(1) MS

| Bureau Veritas ID | | DOH423 | DOH424 | DOH425 | DOH426 | DOH427 | DOH428 | | |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 15:00 | 2025/07/01 17:00 | | |
| | UNITS | 10 | 11 | 12 | 13 | 14 | 15 | RDL | QC Batch |
| **Passive Monitoring** | | | | | | | | | |
| Calculated H2S | ppb | 0.45 | 0.22 | 0.29 | 0.40 | 0.16 | 0.14 | 0.02 | C019364 |
| Calculated SO2 | ppb | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.1 | C017184 |

RDL = Reportable Detection Limit


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## GENERAL COMMENTS

Sample DOH416 [1] : Sampler was received missing filter. 2025/08/07 SDK

**Results relate only to the items tested.**



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Bureau Veritas Job #: G504012
Report Date: 2025/08/15

Peace River Area Monitoring Program Committee
Client Project #: 2025/07/01-2025/07/31
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 |
|---|---|---|---|---|---|---|---|---|
| C017184 | OZ | Spiked Blank | Calculated SO2 | | | 100 | % | 90 - 110 |
| C017184 | OZ | Method Blank | Calculated SO2 | | <0.1 | | ppb | |
| C019364 | YYA | Spiked Blank | Calculated H2S | | | 99 | % | 90 - 110 |

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.


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Client Project #: 2025/07/01-2025/07/31
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:

Steven Gloux, Laboratory Supervisor

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End of Report