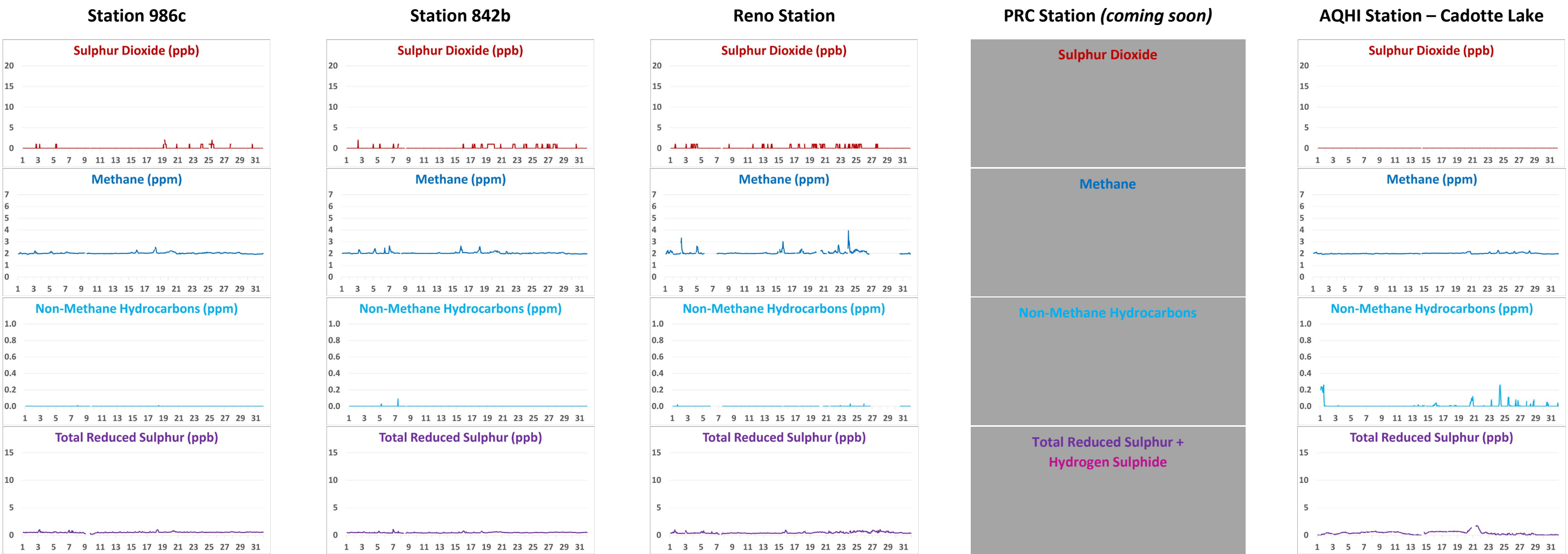


January 2020: Continuous Monitoring Program



Operational Summary

986c Station:

- THC/CH4/NMHC: Hourly data collected on January 1 hour 0 was considered invalid and was discarded as <75% of hourly data was retrieved. One hour of downtime was recorded due to this event.
- TRS: The analyzer spanned outside the lower acceptable range between January 13 and 18 due to low ambient temperatures. As the station was inaccessible due to weather conditions, the analyzer’s functionality could not be checked. The analyzer spanned within the acceptance limit once temperatures improved. No action was required by the time access to the station was restored. Data collected during the time of the span drifts are considered valid.

842b Station:

- TRS: The analyzer spanned outside the lower acceptable range between January 13 and 17 due to low ambient temperatures. As the station was inaccessible due to weather conditions, the analyzer’s functionality could not be checked. The analyzer spanned within the acceptance limit once temperatures improved. No action was required by the time access to the station was restored. Data collected during the time of the span drifts are considered valid.

Reno Station:

- All parameters met the 90% operational uptime requirement, with an exception of THC/CH4/NMHC (79.8%). AEP reference #: 363422.
- TRS: The analyzer spanned outside the lower acceptable range between January 13 and 16 due to low ambient temperatures. The analyzer spanned within the acceptance limit once temperature improved. An as-found points check was performed on January 17 to demonstrate analyzer accuracy. The analyzer passed the check requirements, which confirmed data quality were not affected by low ambient temperatures. Two hours of downtime were recorded.
- THC/CH4/NMHC: The analyzer malfunctioned on January 5 hour 23 due to valve/injection issues yielding low CH4 data. Thirty-four hours of downtime were recorded due to this event. Hourly data collected on January 15 hour 3 was invalidated due to poor sample injections. Seven hours of downtime were recorded due to this event. Poor sample injections appeared again on January 20 hour 2 and caused the daily zero-span check, which occurred at hour 5, to fail. Sixteen hours of downtime were recorded due to this event. Poor sample injections appeared again on January 26. Ninety-three hours of downtime were recorded due to this event.

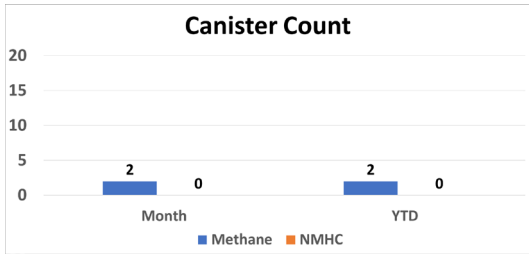
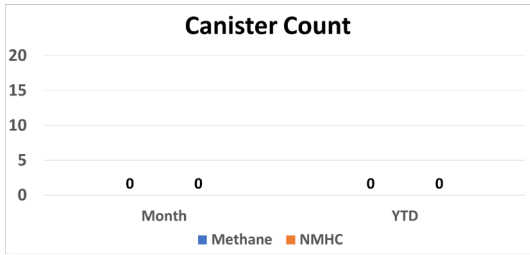
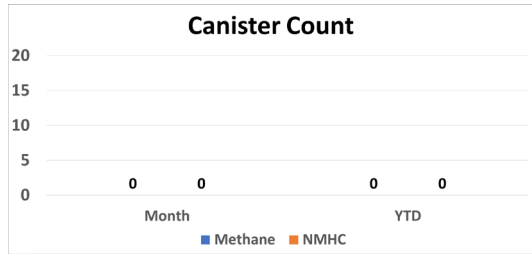
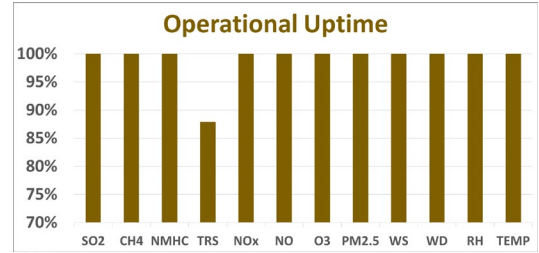
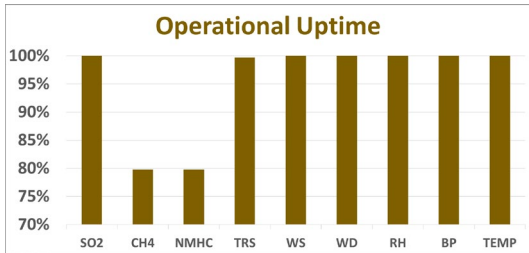
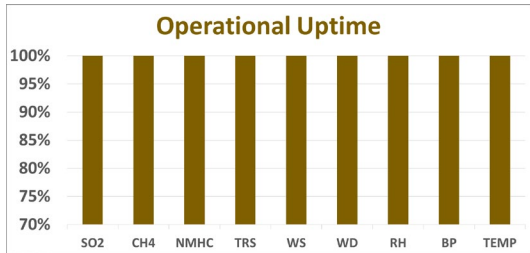
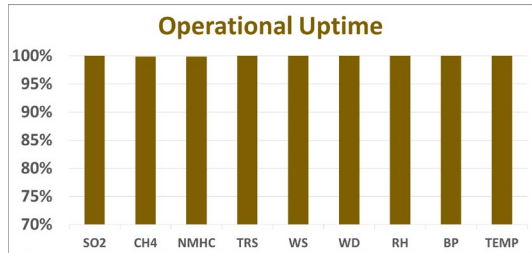
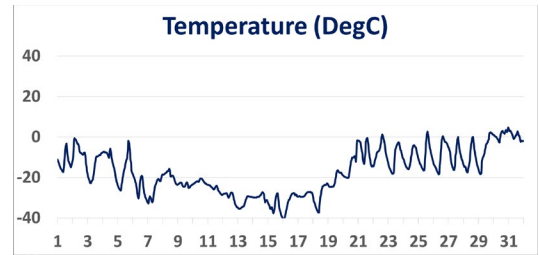
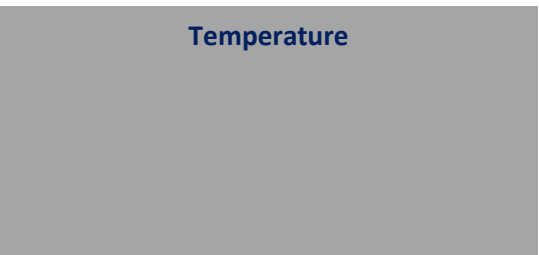
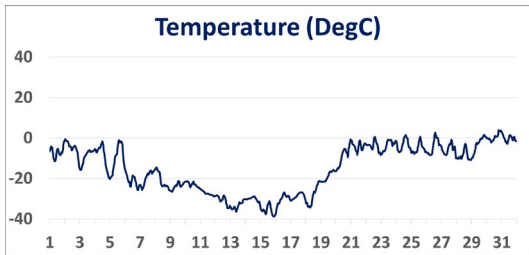
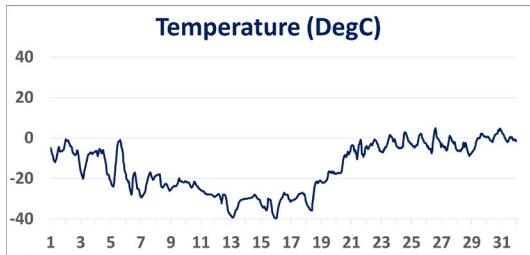
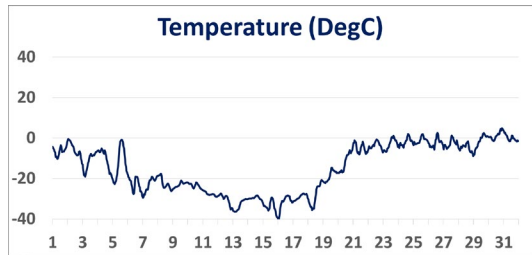
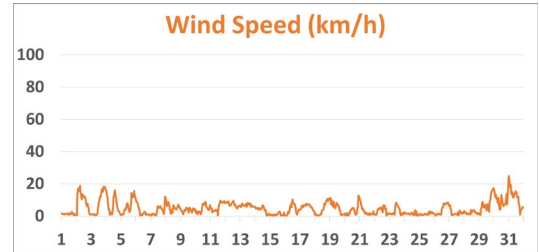
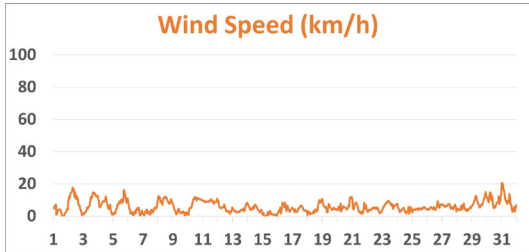
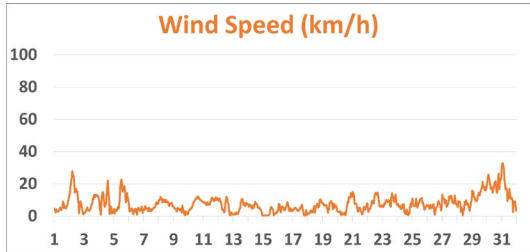
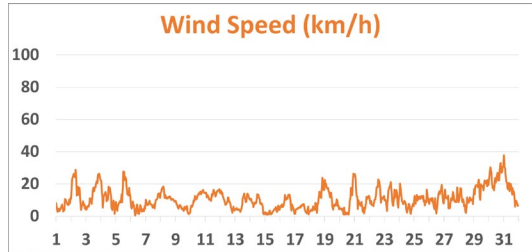
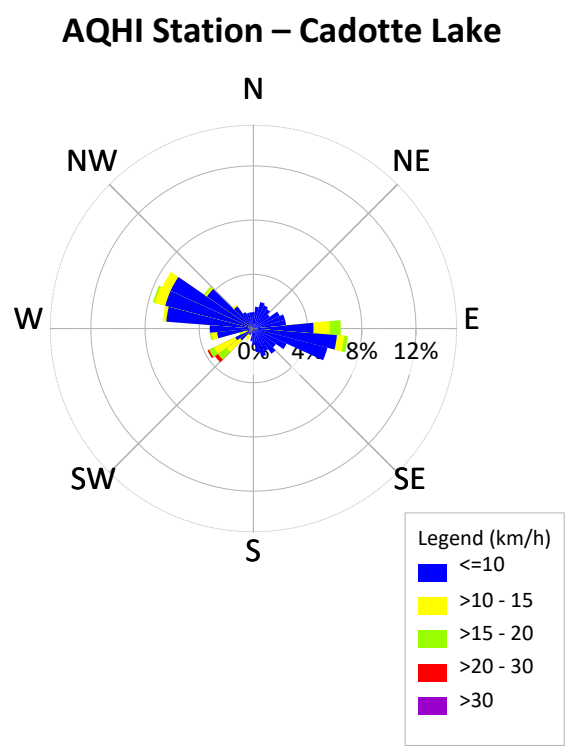
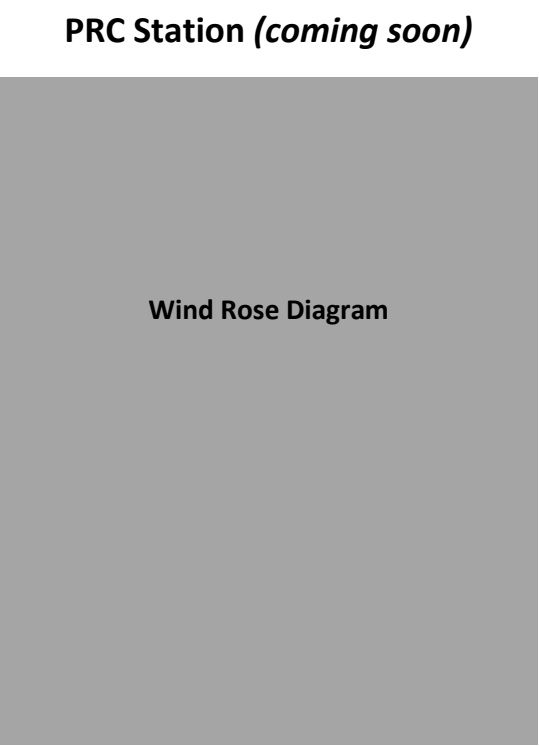
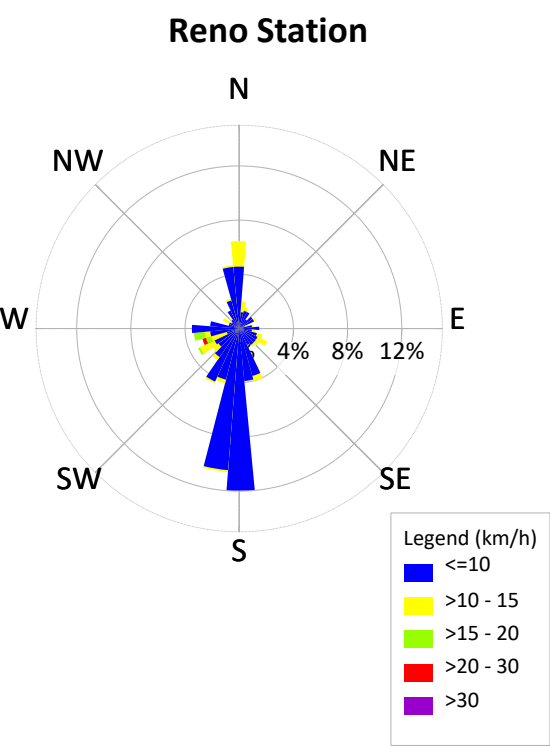
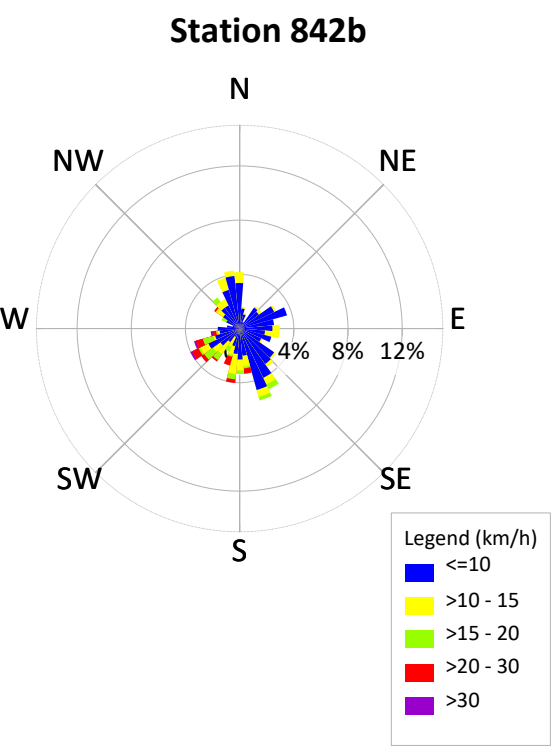
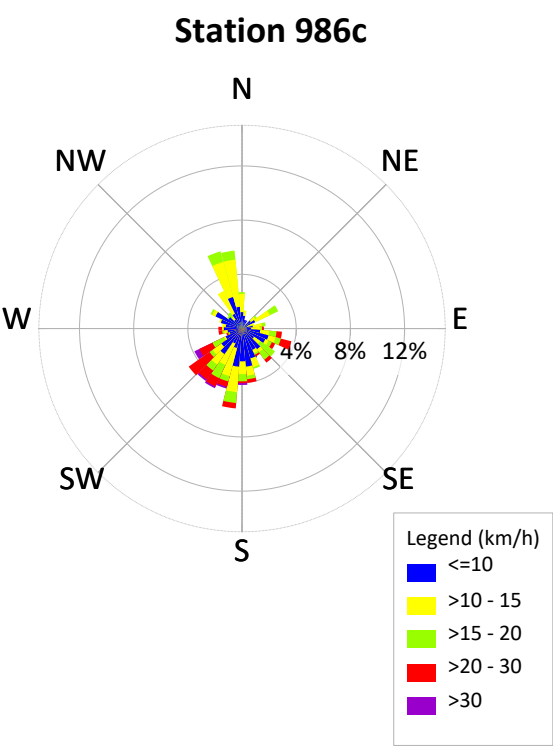
AQHI – Cadotte Lake Station:

- All parameters met the 90% operational uptime requirement, with an exception of TRS (87.9%). AEP reference #: 363669.
- TRS: The analyzer failed the daily span check on January 7. Three hours of downtime were recorded due to additional checks. The analyzer spanned outside the lower acceptable range on January 12 and 13 due to low ambient temperatures. Seventy-one hours of downtime were recorded. Hourly data collected on January 17 between hour 17 and 19 are missing. Although the exact cause cannot be determined, it was likely related to issues from firmware. PRAMP will monitor this closely for re-occurrence. Three hours of downtime were recorded. Hourly data collected from January 20 hour 20 to January 21 hour 6 were invalidated due to firmware crash. Thirteen hours of downtime were recorded.

VOCs Canister Sampling Program:

- Two CH4 canister events were recorded at Reno site this month: on January 3 at 01:43, at concentration of 6.79ppm, and on January 24 at 03:45, at concentration of 9.30ppm. this month.

January 2020: Continuous Monitoring Program



Targets, Guidelines, and Objectives

Sulphur Dioxide 1h AAAQO = 172 ppb
Ozone 1h AAAQO = 76 ppb
Particulate Matter AAAQG = 80 µg/m³
Nitrogen Dioxide AAAQO = 159 ppb
Operational Uptime Requirement = 90%
AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-9 High, 10+ Very High

