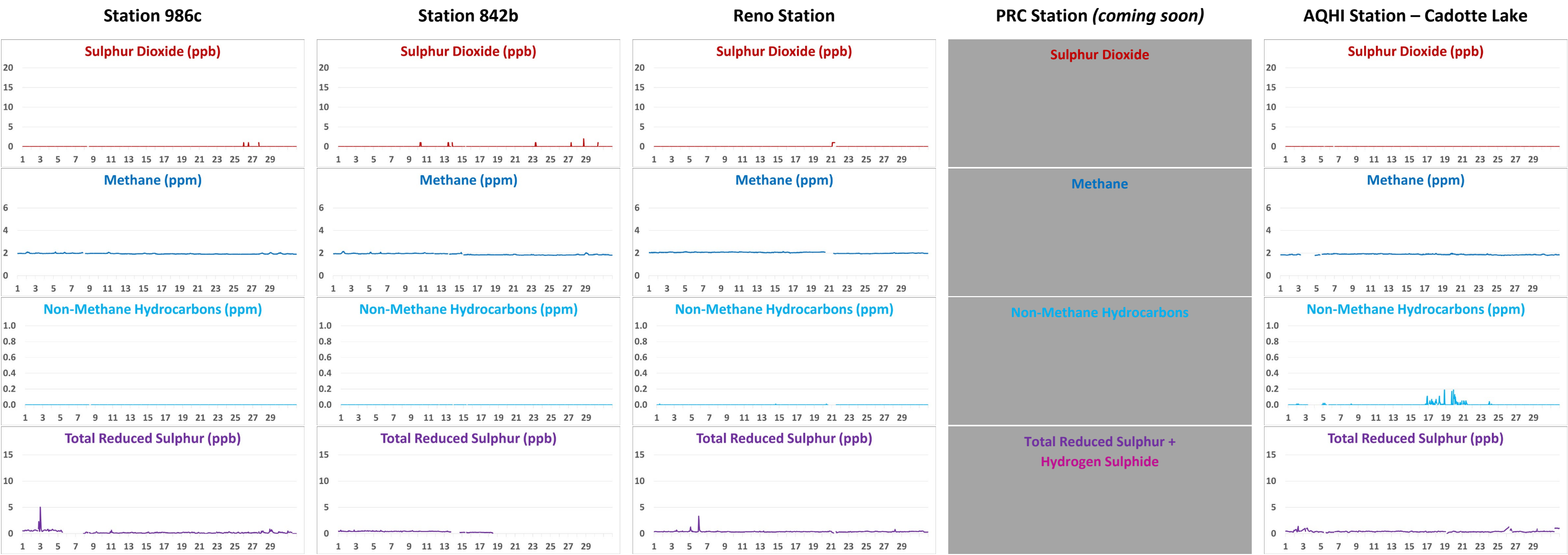


May 2020: Continuous Monitoring Program



Field Operations Summary

986c Station:

- TRS: The analyzer failed due to a converter breakdown on May 5. Fifty-two hours of downtime were recorded due to this event.
- Precipitation: Twenty-one hours of data collected in May were invalidated due to a sensor malfunction, which was caused by low ambient air temperature.
- TRS/THC/CH4: It was noticed that the baseline was drift downward after the monthly calibration. As the calibration met the AMD requirements and no obvious events that could affect the data were identified, data were considered valid. Investigation for determining the cause of the drift is ongoing. The investigation result will be included in future monthly reports when it becomes available.

842b Station:

- All parameters met the 90% operational uptime requirement, except TRS (AEP Reference #: 367172).
- All parameters: A power failure occurred on May 13 between hour 18 and hour 20. Three hours of data are missing.
- TRS: The analyzer malfunctioned due to converter failure following the power failure on May 13. Twenty-one hours of downtime were recorded due to equipment failure and the additional quality check. The analyzer spanned incorrectly on May 18 due to the converter failure. Fifty hours of downtime were recorded due to equipment failure and the additional quality check. The analyzer failed the calibration on June 2 due to delayed stabilization of the new convertor. Data were invalidated back to the point the post-repair calibration which was completed on May 20.
- TRS/THC/CH4: Data meet AMD criteria however a drift investigation is ongoing. The investigation result will be included in future monthly reports when it becomes available.

Reno Station:

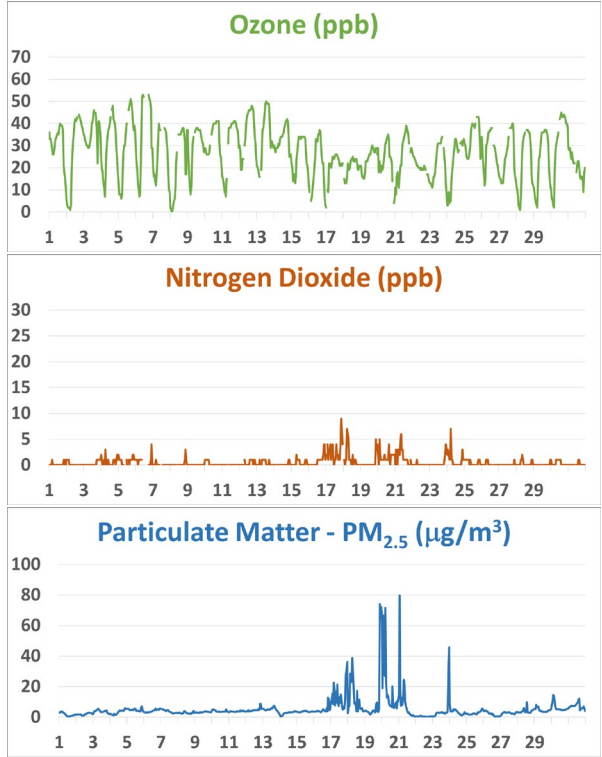
- HC/CH4/NMHC: The analyzer was swapped for maintenance following a successful shut-down calibration on May 20. Fifteen hours of downtime were recorded due to this event. Drift is also being investigated for this instrument.

AQHI – Cadotte Lake Station:

- THC/CH4/NMHC: The analyzer failed after a small power outage on May 3 at 06:17. The carrier gas (N2) was replaced on May 4. A zero-span check was initiated on May 4 hour 19 to confirm the analyzer’s functionality. The check results met the calibration requirements. Thirty-seven hours of downtime were recorded due to equipment failure and an additional quality check. The channel was put offline on May 6 hour 13 for manifold cleaning.
- PM2.5: A PM10 channel was added to datalogger on May 13. Because the method for the PM10 monitoring does not meet AMD requirements, this data is being used by PRAMP for its own purposes. PM10 data are available upon request.

VOC Canister Sampling Program:

- No canister events were recorded this month.



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