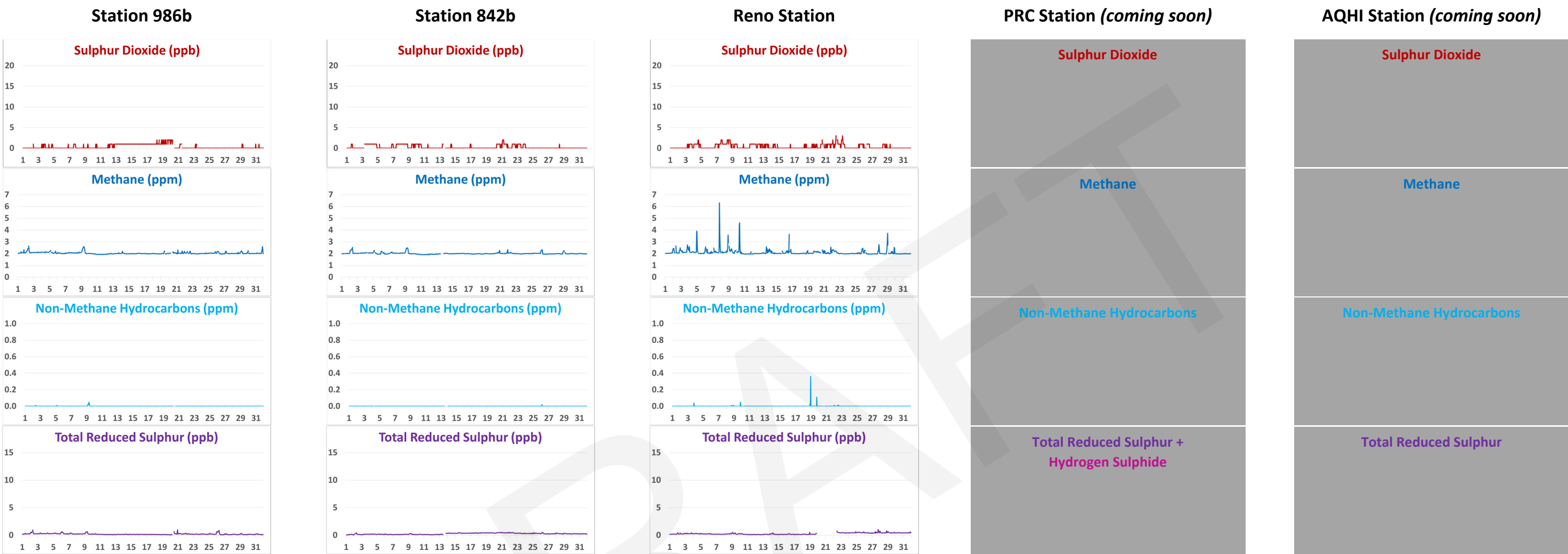


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Operational Summary

986 Station:

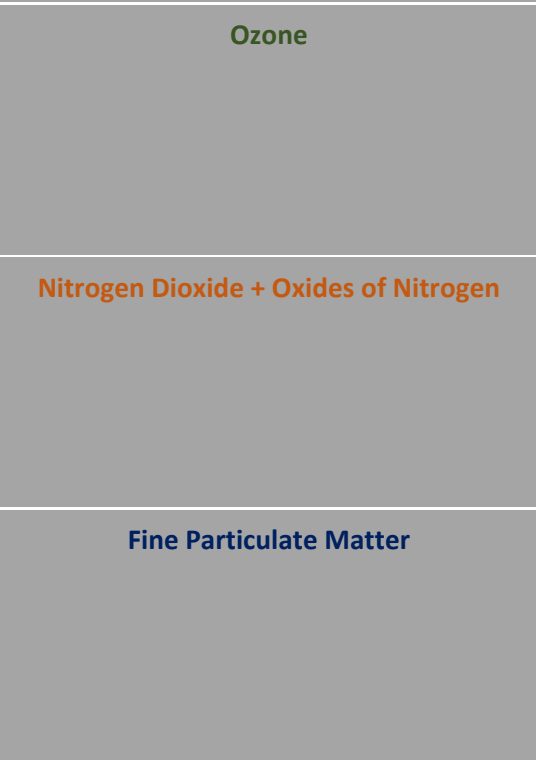
- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.

842 Station:

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- The CH4 channel failed the daily zero check on March 4 during hour 5. A repeatzero span check was conducted during hour 7, and this also returned a failed result. As the issue was confined to the zero/span system, data quality was not affected. No data were discarded due to this event. However, one hour of downtime was recorded due to additional the zero/span check.

Reno Station:

- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- All data collected this month were compliant with the requirements outlined in the AMD 2016.
- All parameters met the 90% operational uptime requirement.
- TRS: Upon arrival at the station on March 20, the analyzer was not operating due to a faulty power supply. The power supply was replaced on March 21. The analyzer was allowed to stabilize overnight. A successful post-repair calibration was performed on March 22. Data was invalidated back to the point of the failure, which was March 19 hour 21. 58 hours of data were invalidated due to this event.
- WS/WD: Wind speed data are deemed invalid if 1-minute data are recorded as 0.0kph; the sensor is considered to be ‘frozen’. The minute data were discarded, and hourly data were re-averaged. Hourly data ere discarded if less than 75% of valid minute data in an hour was recorded. 27 hours of data were invalidated due to this event. The wind direction data with the corresponding period were also considered invalid and were discarded. A frozen sensor can be attributed to a malfunctioning wind instrument or an error associated with the datalogger. This issue will be investigated further during the April site visit; and the results of the investigation will be included in the April monthly report.



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