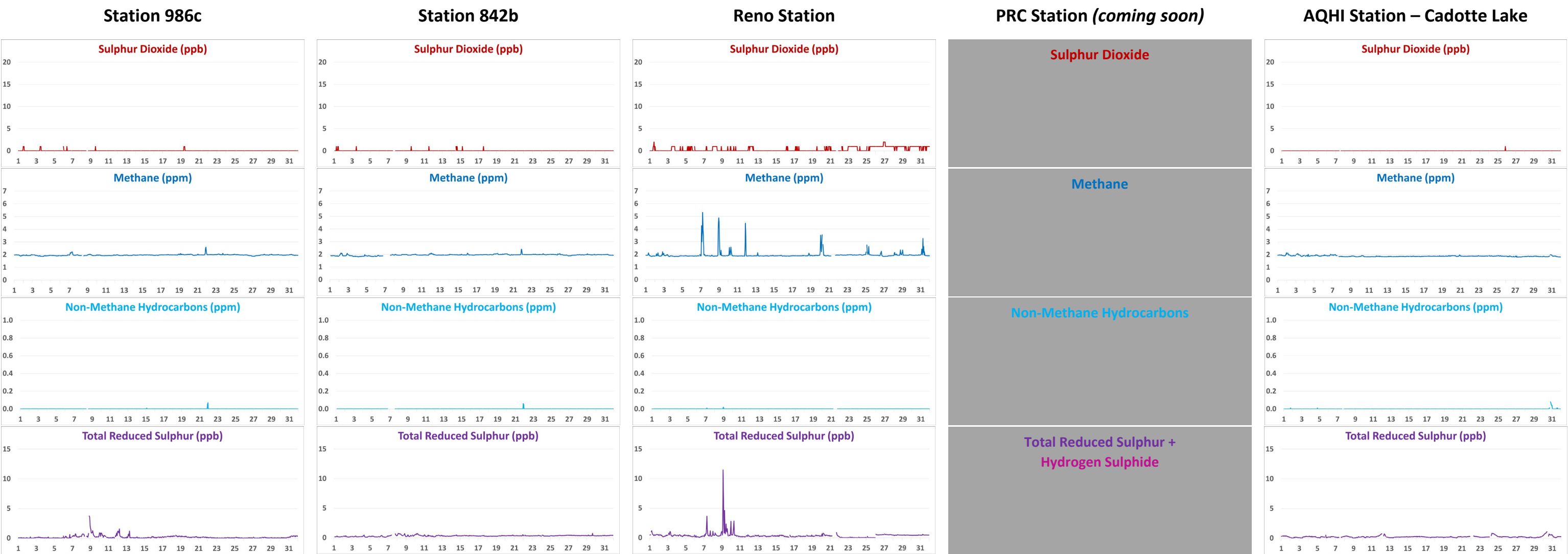


October 2020: Continuous Monitoring Program



Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the PRAMP website)

986c Station:

- THC/CH4/NMHC: The span gas was replaced on Oct 22; expected span values were not updated until after the daily zero-span check on Oct 24. This resulted in NMHC span response being outside the -10% limit range on Oct 23 - 24.
- Precipitation: Three hours of data collected on Oct 31 between hour 8 and hour 10 were invalidated due to a sensor malfunction caused by low air temperature. The sensor will remain offline for the winter.

842b Station:

- THC/CH4/NMHC: The analyzer flamed out on Oct 6 hour 19 due to zero air generator failure. A new zero air generator was installed on Oct 7 hour 7. Thirteen hours of downtime were recorded due to this event.
- Precipitation: A RM Young 5202, s/n: TB1877, precipitation gauge was installed on Oct 20. Valid hourly data will be collected, starting November 1.

Reno Station:

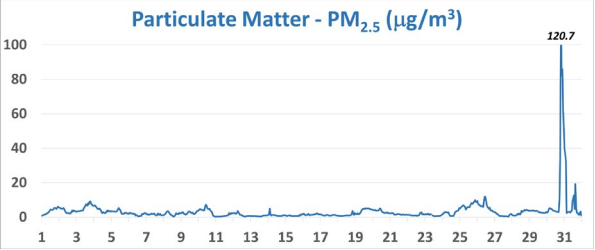
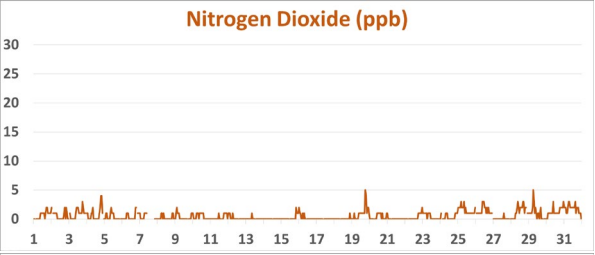
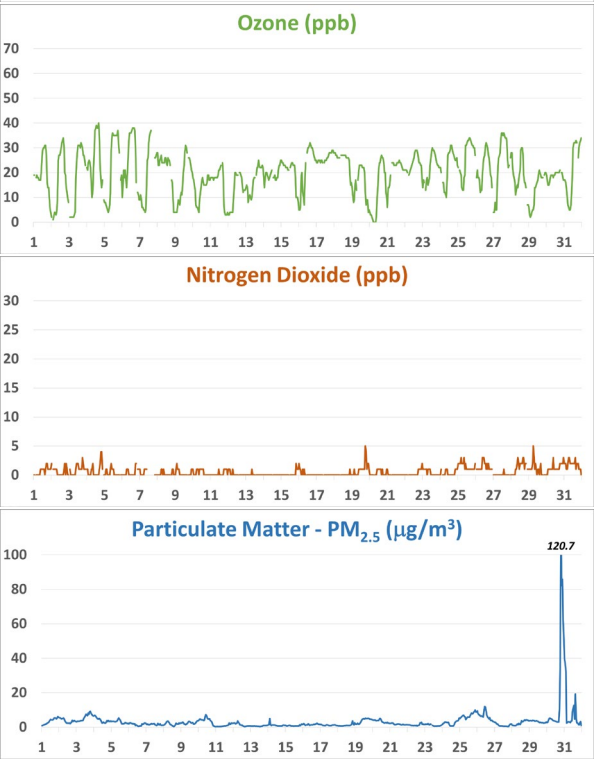
- Due to a datalogger error, no daily zero-span check were completed between Oct 27 and November 1. The issue was corrected on November 2. ***AEP reference #: 373328.***
- Precipitation: A RM Young 5202, s/n: TB1588, precipitation gauge was installed on Oct 20. Valid hourly data will be collected, starting November 1.

AQHI – Cadotte Lake Station:

- PM2.5: Three exceedances of the 1-hour hour Guideline were recorded on Oct 30 between hour 19 and 21, at concentration of 120 ug/m³, 82.3 ug/m³ and 85.9 ug/m³, respectively. Throughout the Peace River – Three Creeks region, brush piles associated with land clearing were being burned and created wide-spread smoke. ***AEP reference #: 373264.***
- TRS: Due to multiple firmware crash events, which occurred on Oct 12, 21, 24 and 30, sixteen hours of data were not recorded. The analyzer is scheduled to be replaced in November.

VOC Canister Sampling Program:

- In Oct, five methane-triggered events were recorded at the Reno station. However, only two canister samples were collected:
 - Oct 7 at 02:45, trigger concentration of 5.81 ppm, valid sample collection.
 - Oct 8, at 22:25, trigger concentration of 12.13 ppm, no sample was collected as a spare canister was not yet available for deployment.
 - Oct 11, at 22:30, trigger concentration of 5.63 ppm, valid sample collection.
 - Oct 20, at 02:45, trigger concentration of 5.86 ppm, no sample was collected as the previously-triggered canister had not yet been replaced.
 - Oct 20, at 06:50, trigger concentration of 5.95 ppm, no sample was collected as the previously-triggered canister had not yet been replaced.



October 2020: Continuous Monitoring Program

