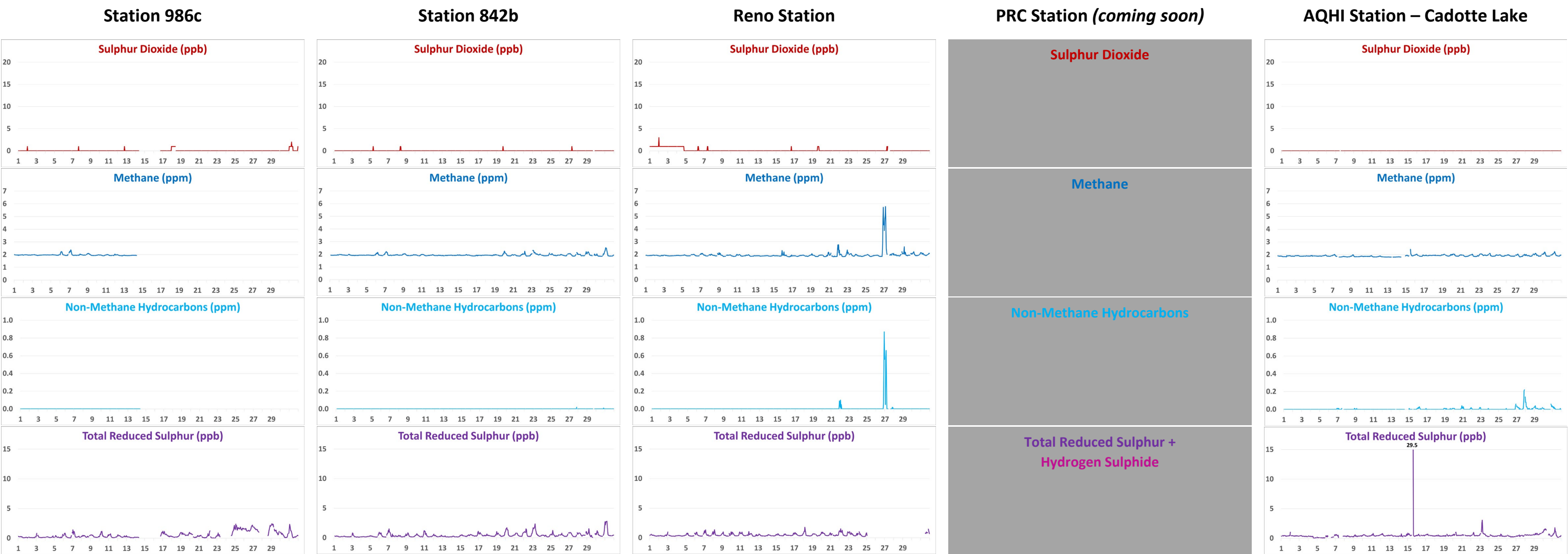
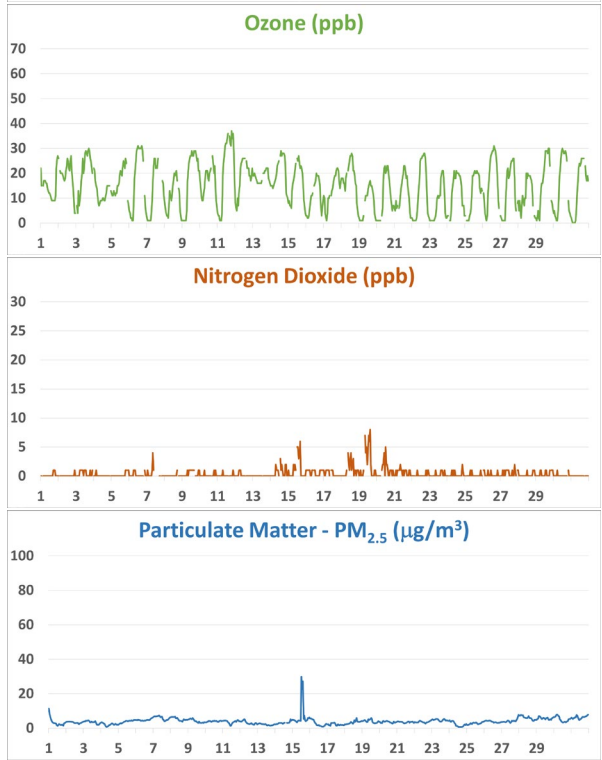


July 2020: Continuous Monitoring Program



Field Operations Summary (<i>detailed field operations notes can be found in the monthly technical reports on the PRAMP website</i>)	
986c Station:	
- All parameters met the 90% operational uptime requirement, except TRS (86.0%) and THC/CH4/NMHC (44.1%). AEP reference #: 370019 and 370634, respectively. - The contractor-supplied AQM trailer and all monitoring equipment were replaced with the PRAMP-owned trailer on July 14. Fifty hours of downtime were recorded due to trailer and equipment transition. - HC: The analyzer failed the calibration on August 5. Available diagnostic available data did not reveal a point of failure. Data were invalidated to last valid calibration, which was July 16. Three hundred sixty-six hours of data were discarded in July. - TRS: Due to the analyzer spanning outside the acceptable limits on July 21 and unstable span responses after July 24, 62 hours of downtime were recorded due to these events and additional maintenance.	
842b Station:	
No issues were identified this month	
Reno Station:	
- All parameters met the 90% operational uptime requirement, except TRS (80.0%). AEP reference #: 370020. - TRS: The analyzer failed on July 25. One hundred forty-nine hours of data were discarded due to this event.	
AQHI – Cadotte Lake Station:	
- TRS: The analyzer crashed on July 6 hour 5 and was restarted remotely during hour 6. The analyzer was allowed to stabilize before the channel was put back online at hour 13. Eight hours of data were invalidated due to this event. - THC/CH4/NMHC: Hourly data collected on July 13 hour 11 and 12 were discarded as the readings were recorded below the background concentration of 1.8ppm. A successful repeat calibration was completed on July 14 to address the issue of low concentrations. The zero- air generator was replaced, and a successful as-found points check was performed. Ten hours of downtime were recorded due to this event. Intermittent flame-out started becoming an issue after the zero-air generator replacement on July 14 hour 22. Troubleshooting was performed on July 15. Problems were traced to the H2 generator. The issue was corrected following a successful scheduled zero-span check. Three hours of downtime were recorded due to this event. - PM2.5/TRS/THC/CH4/NMHC: Elevated concentrations were recorded on July 15 between hour 12 and hour 14. After reviewing images taken by the station surveillance camera, it was determined that the elevated concentrations were likely caused by heavy excavator emissions and land reclamation activities around the station.	
VOC Canister Sampling Program:	
Two non-methane-triggered and one methane-triggered events were recorded in July. All canister samples were collected at the Reno station.	



July 2020: Continuous Monitoring Program

