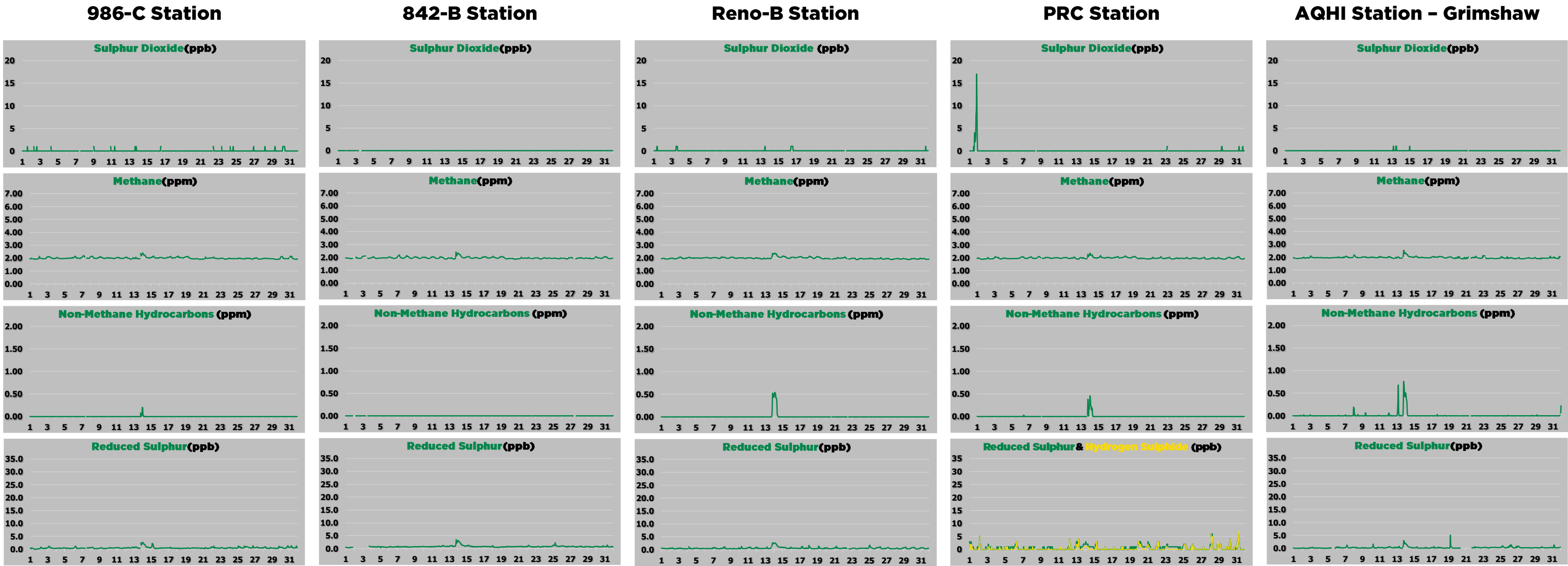
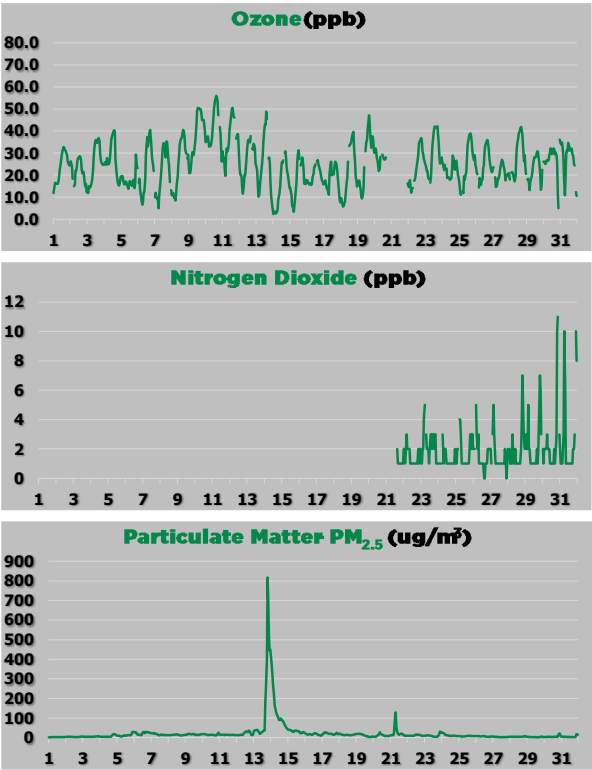


August 2024: Active Monitoring Program



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

- 986-C Station
- Precipitation: The precipitation gauge was found blocked by debris on August 22, potentially affecting data accuracy; the issue was corrected the same day, and permanent bird wires will be installed to prevent recurrence. Data from July to August was retained as there were no significant rainfall events, and the equipment is used for agricultural purposes, not compliance reporting. However, data from August 7-22 should be reviewed with caution due to the potential for inaccuracies.
- 842-B Station
- TRS: The CD Nova CDN-101 TRS convertor, s/n: 583, failed following a brief power outage on August 1 hour 20. It was replaced by the CDN-101, s/n: 552, on August 3. A successful installation calibration was completed afterwards. Thirty-seven hours of downtime were recorded due to this event.
- Reno-B Station
- No major operational issues this month.
- PRC Station
- No major operational issues this month.
- AQHI Station – Grimshaw
- TRS: The Teledyne T100U analyzer was replaced with a Thermo 43iQTL on August 20, following a successful calibration. After overnight stabilization, installation calibration was completed on August 21, resulting in 24 hours of downtime.
 - O3: The Teledyne T400 analyzer was replaced with a Thermo 49iQ on August 20, following a successful calibration. Installation calibration was completed on August 21 after overnight stabilization, with 23 hours of downtime recorded.
 - NOx/NO/NO2: The Thermo 42i analyzer failed calibration on August 20, invalidating data back to the last valid calibration on July 16. It was replaced with a Thermo 42iQ on August 20, and installation calibration was completed on August 21, resulting in 491 hours of downtime in August (DINC0011199).
 - Twenty-eight exceedances of the 1-hour AAAQG and three exceedances of the 24-hour PM_{2.5} AAAQO were recorded in August. The exceedances of the PM_{2.5} objective and guideline were attributed to wildfire smoke.
- NMHCs Canister Sampling Program
- One canister event was recorded this month. The canister system at the 986-C station was triggered on Augst 14 at 00:35 after the 5-minute average of NMHC concentration was recorded at 0.32ppm. Widespread wildfire smoke in the area is believed to have triggered the event.



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