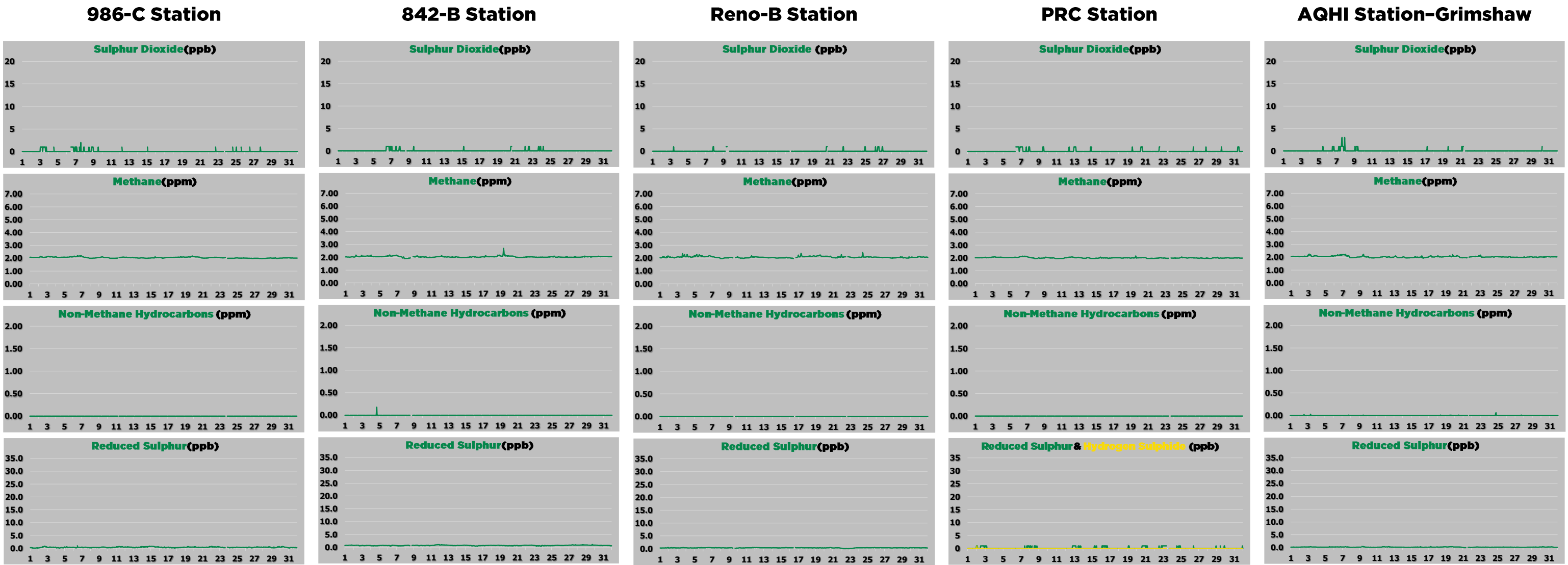


# January 2025: Active Monitoring Program



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

**986-C Station**

- No major operational issues this month.

**842-B Station**

- No major operational issues this month.

**Reno-B Station**

- WS/WD: The wind speed and wind direction parameters did not meet the 90% operational uptime requirement (89.7%) - DINC0014273. A total of 77 hours of downtime were recorded. Of these, 5 hours were due to a power outage, 22 hours were caused by a frozen sensor, and 50 hours were attributed to a power supply issue.

**PRC Station**

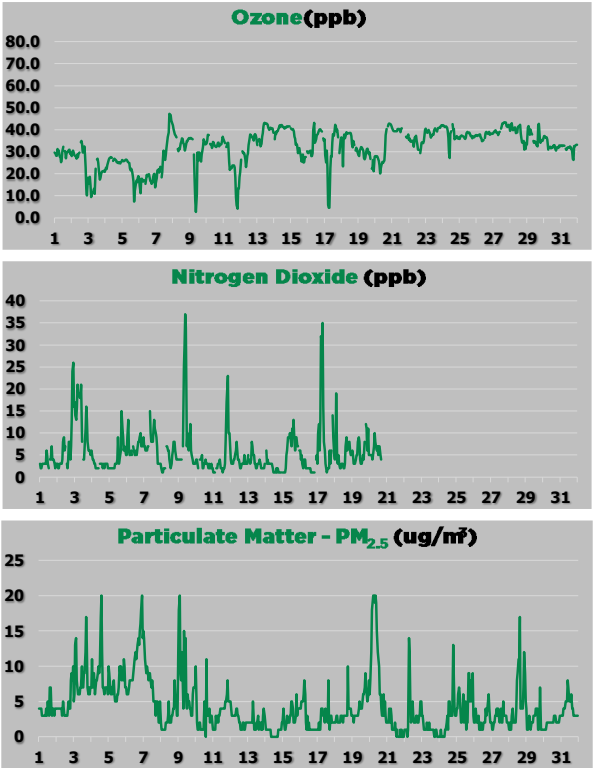
- TRS: Low ambient temperatures affected analyzer response and performance between January 2–6 and January 16–22. During these periods, daily span check results were often below the required threshold, and zero check results occasionally drifted near or beyond allowable ranges. This is a known seasonal issue caused by low moisture levels in sample air, which affects the SO<sub>2</sub> scrubber’s function. Despite span failures, the analyzer remained in compliance with AMD performance criteria, and collected data were considered valid.

**AQHI Station – Grimshaw**

- NO<sub>x</sub>/NO/NO<sub>2</sub>: The analyzer did not meet the 90% operational uptime requirement in January (69.0%) - DINC0014274. A calibration attempt on January 21 failed due to analyzer instability. A second attempt on January 22 produced similar results. The analyzer (Thermo 42iQ, s/n: 12409233392) failed daily span checks from January 23–29, with span results showing 0 ppb. Troubleshooting checks on January 24 at hour 7, hour 9, and hours 13–15 did not meet calibration criteria. The analyzer was removed and replaced with a Teledyne T200, s/n: 837, on January 29. Installation calibration was completed on January 30. Data from January 20 at hour 18 to January 30 at hour 8 (231 hours) were deemed questionable and invalidated.

**NMHCs Canister Sampling Program**

- No valid NMHC canister events were recorded this month. The canister event triggered on January 4 at 16:25 at the 842-B station was caused by emissions from a technician’s vehicle and was not submitted for analysis. The canister event triggered on January 22 at 12:35 was also deemed invalid due to emissions from strong solvent products used during a power outlet upgrade at the 842-B station.



# January 2025: Active Monitoring Program

