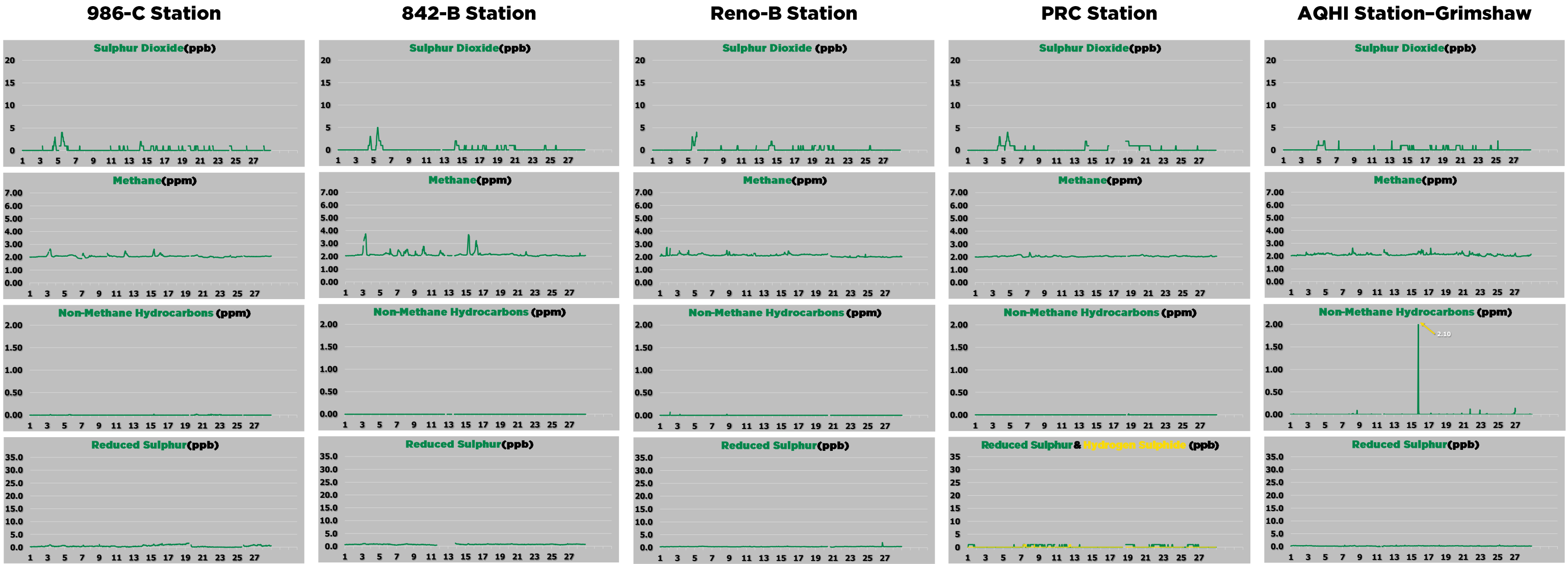
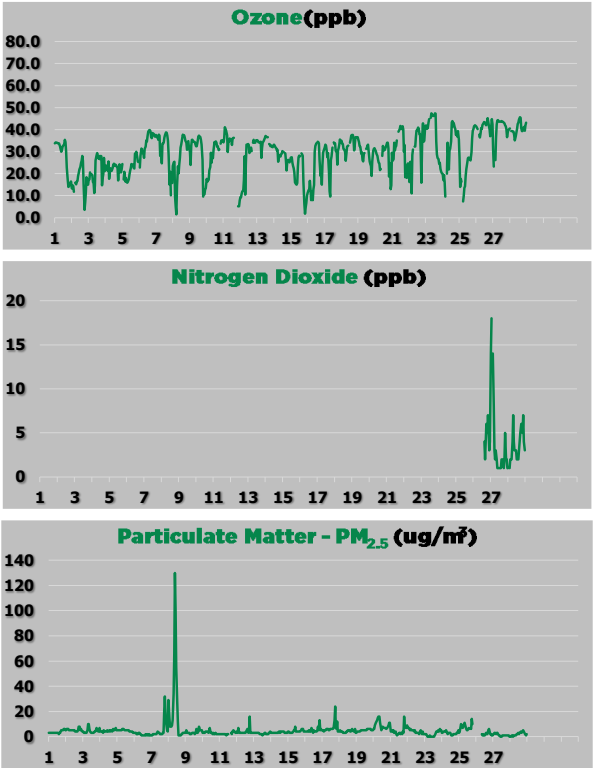


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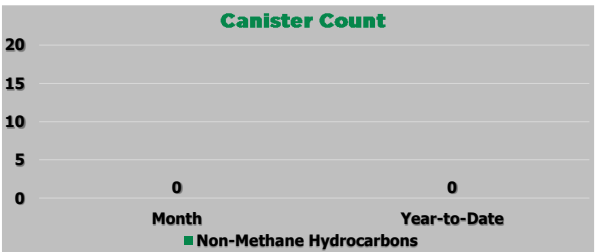
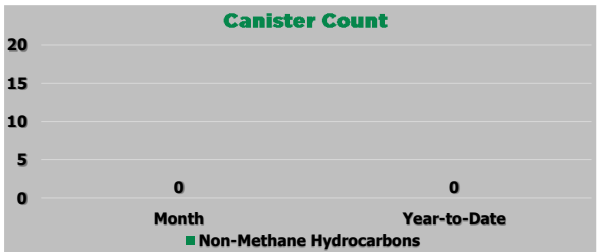
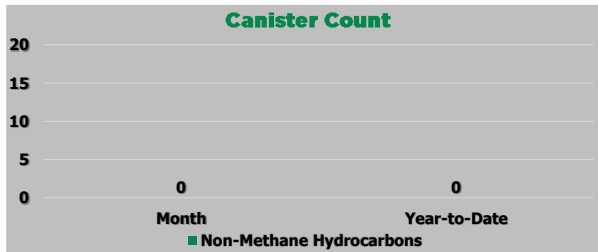
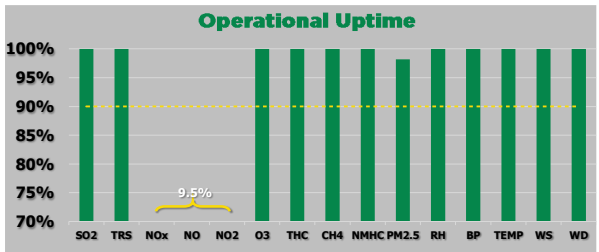
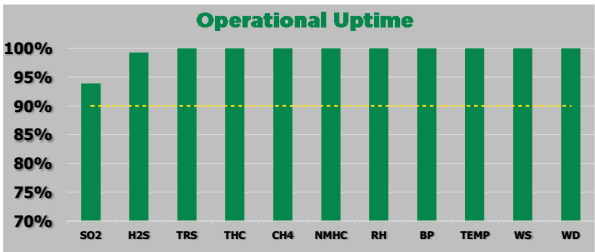
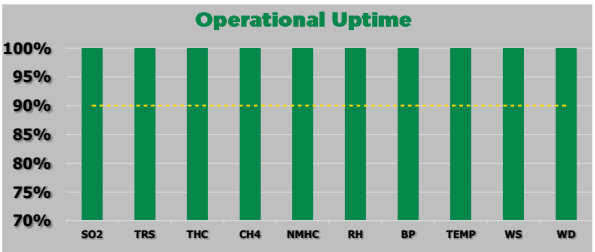
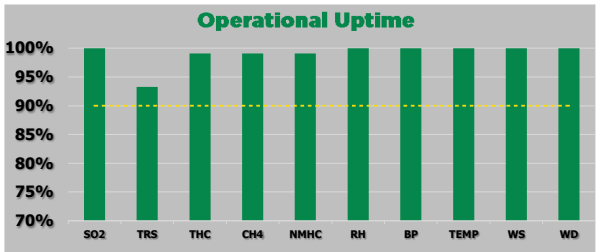
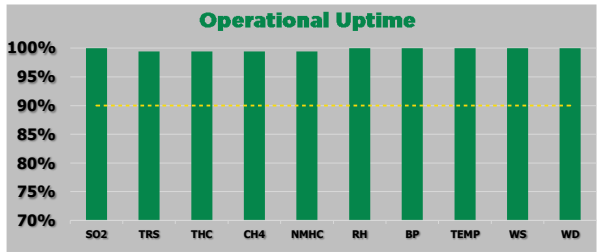
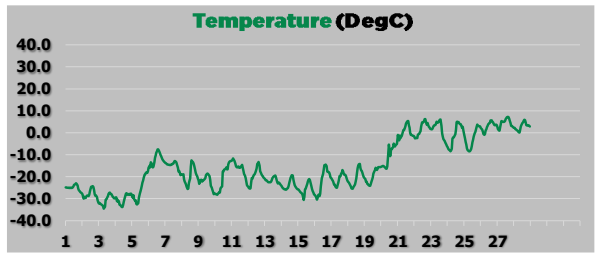
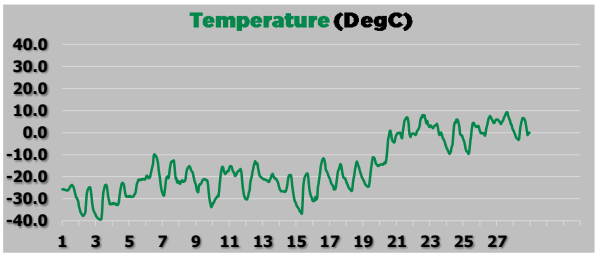
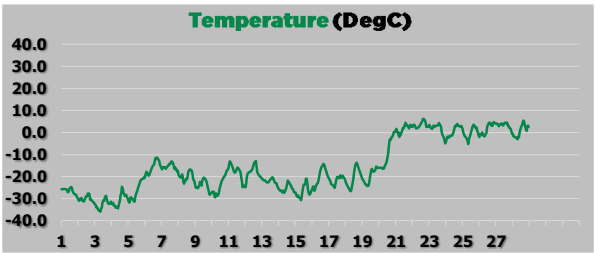
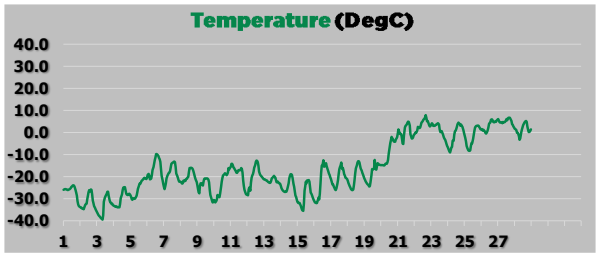
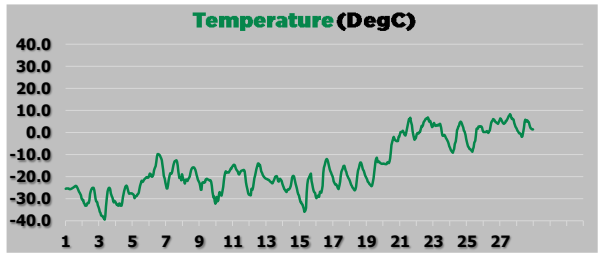
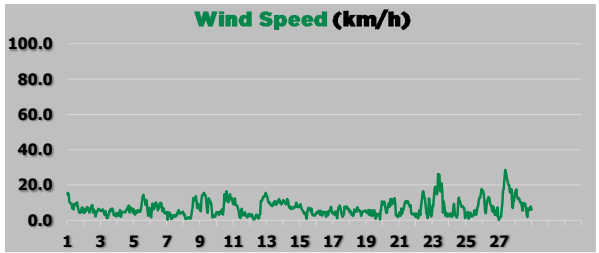
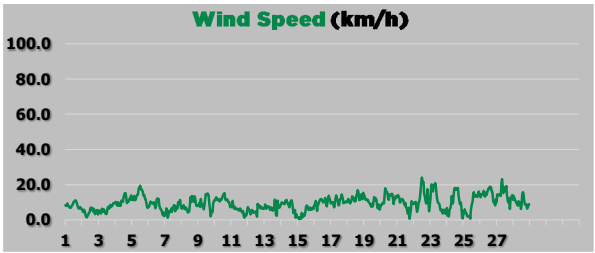
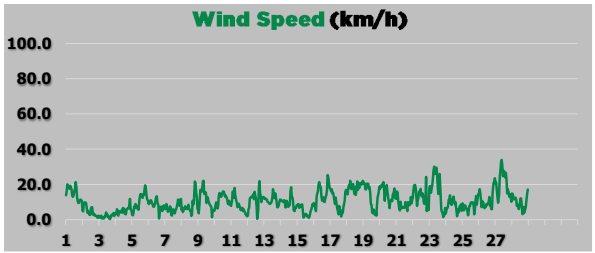
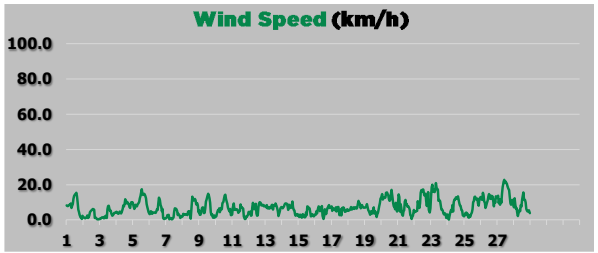
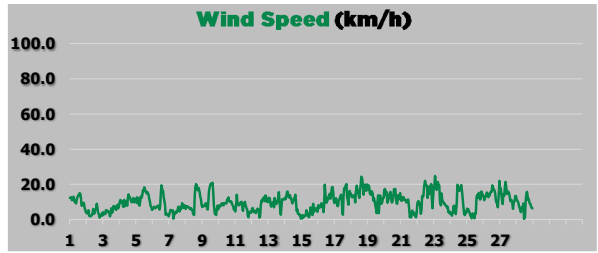
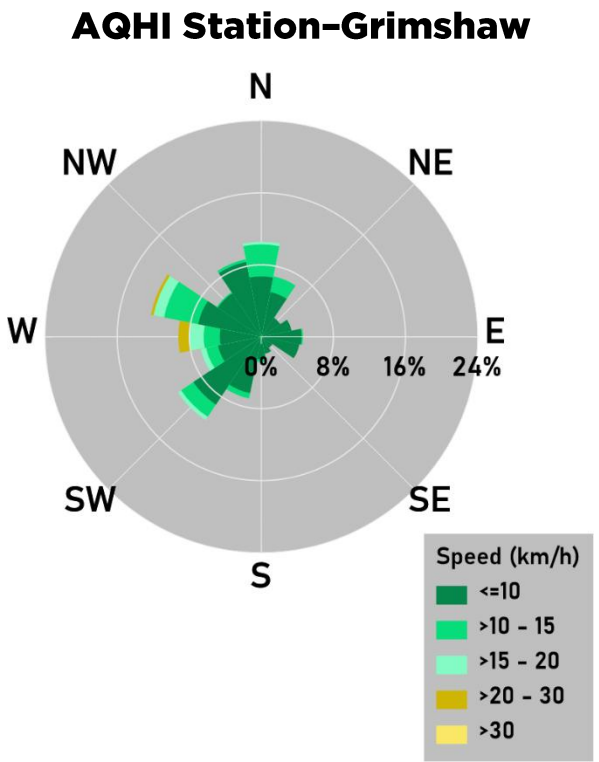
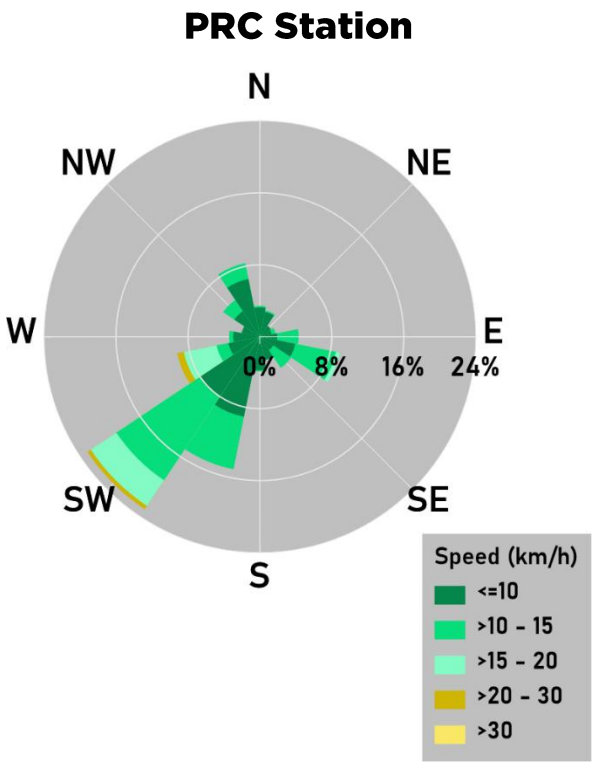
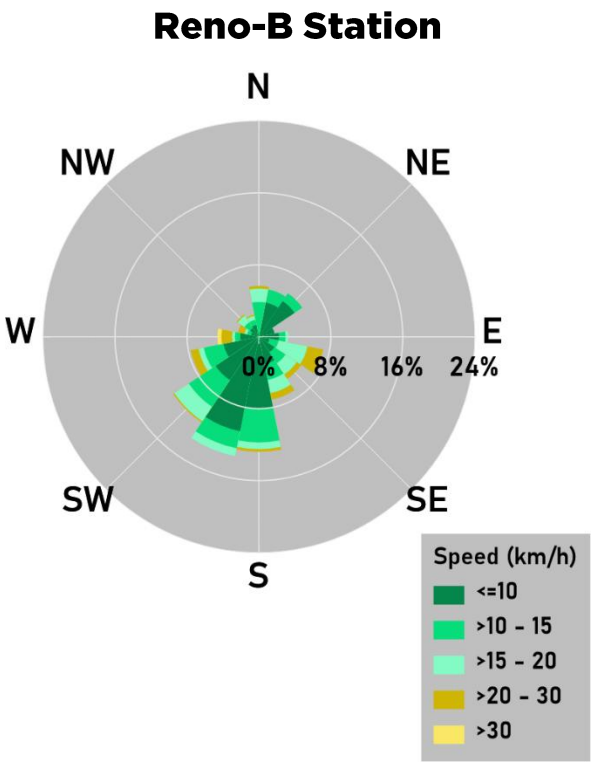
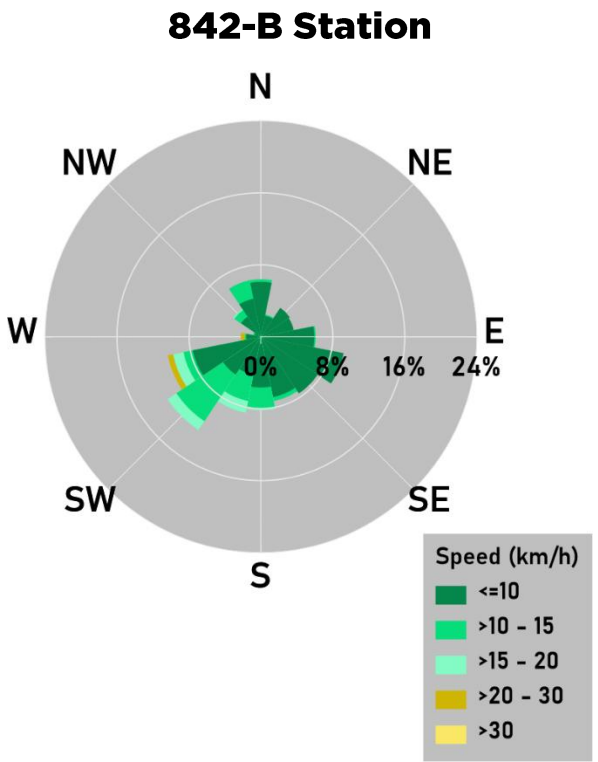
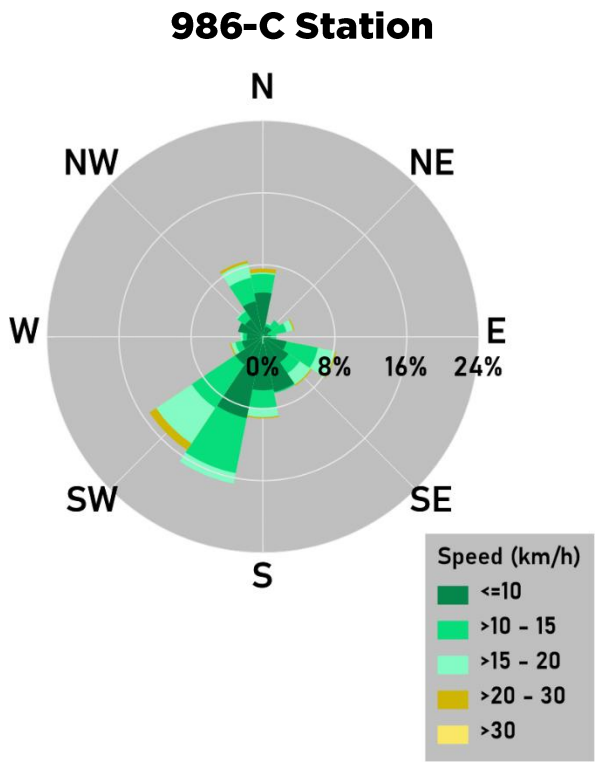


Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the [PRAMP website](#))

- All Stations**
- H₂S/TRS: Low ambient temperatures continued to affect H₂S/TRS span results. This is a recurring seasonal issue caused by low moisture levels in the sample air, which impacts the SO₂ scrubber’s performance. Although span checks were frequently below AMD requirements, and zero checks occasionally drifted near or beyond acceptable ranges, the analyzer remained within compliance based on operational history. All data were considered valid.
- 986-C Station**
- No major operational issues this month.
- 842-B Station**
- No major operational issues this month.
- Reno-B Station**
- Gas Analyzers: On February 12, a software upgrade was performed on the datalogger. Following the update, a configuration issue caused the daily zero-span checks for the TRS and HC analyzers to be missed - DINC0014931. The issue was corrected on February 13. A manual zero-span check was completed for the SO₂ and TRS analyzers on February 13 at hour 21.
- PRC Station**
- No major operational issues this month.
- AQHI Station – Grimshaw**
- NOx/NO/NO₂: The Teledyne T200 analyzer (s/n: 837) could not achieve stability during the as-found points check on February 11. Although the calibration continued, results were deemed questionable. A repeat multi-point calibration using different equipment was completed successfully on February 26. The permeation oven temperature was adjusted on February 26, and the expected span value was updated on February 28. Based on the February 26 calibration, issues were suspected with the previous calibration system used on January 21, 22, 24, 29, 30, and February 11. Data were invalidated back to January 30. The January dataset was revised in March. Data from January 20 to January 30 were previously discarded during January validation. Downtime: 261 hours in January; 608 hours in February. Operational uptime: 64.9% (Jan), 9.5% (Feb). DINC0014930 was recorded for analyzer instability and invalidated data.
 - PM_{2.5}: Two 1-hour exceedances were recorded on February 8—130 µg/m³ at hour 9 and 101 µg/m³ at hour 10. EDGE reference #: 438339. Cold temperatures and stagnant atmospheric conditions likely contributed to a buildup of pollutants overnight, which began to disperse once wind activity increased later in the day.
- NMHCs Canister Sampling Program**
- No valid NMHC canister events were recorded this month.



February 2025: Active Monitoring Program



Targets, Guidelines, and Objectives

- Sulphur Dioxide 1h AAAQO = 172 ppb
- Ozone 1h AAAQO = 76 ppb
- Particulate Matter (PM_{2.5}) 1h AAAQG = 80 ug/m³
- Nitrogen Dioxide 1h AAAQO = 159 ppb
- Operational Uptime Requirement = 90%
- AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-10 High, >10 Very High

