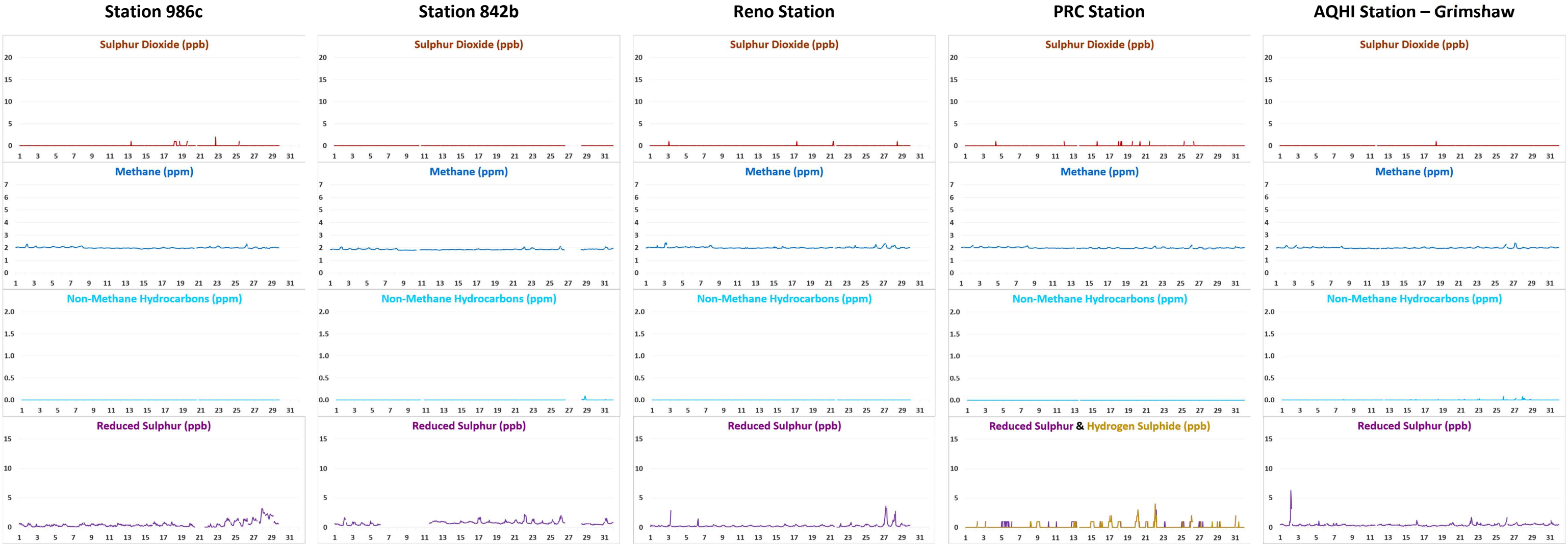
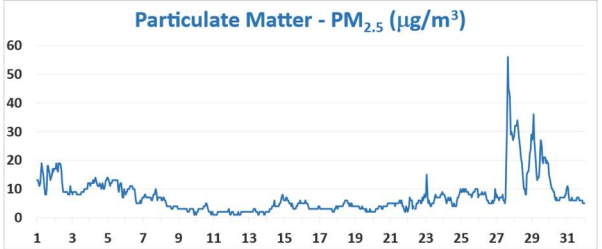
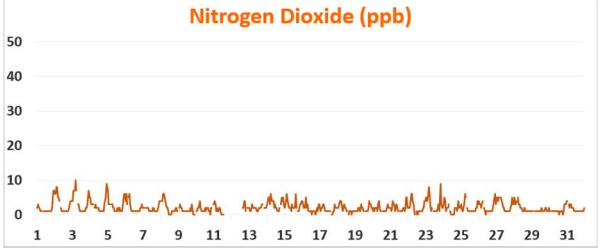
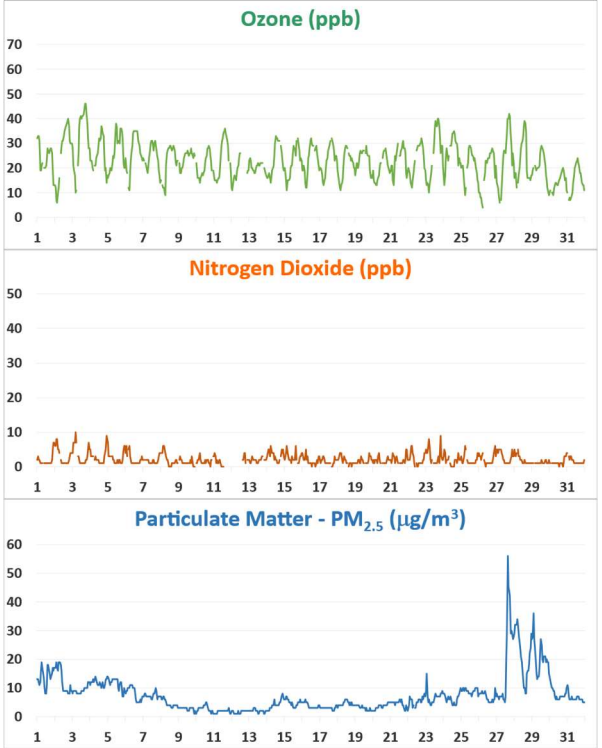


July 2022: Active Monitoring Program

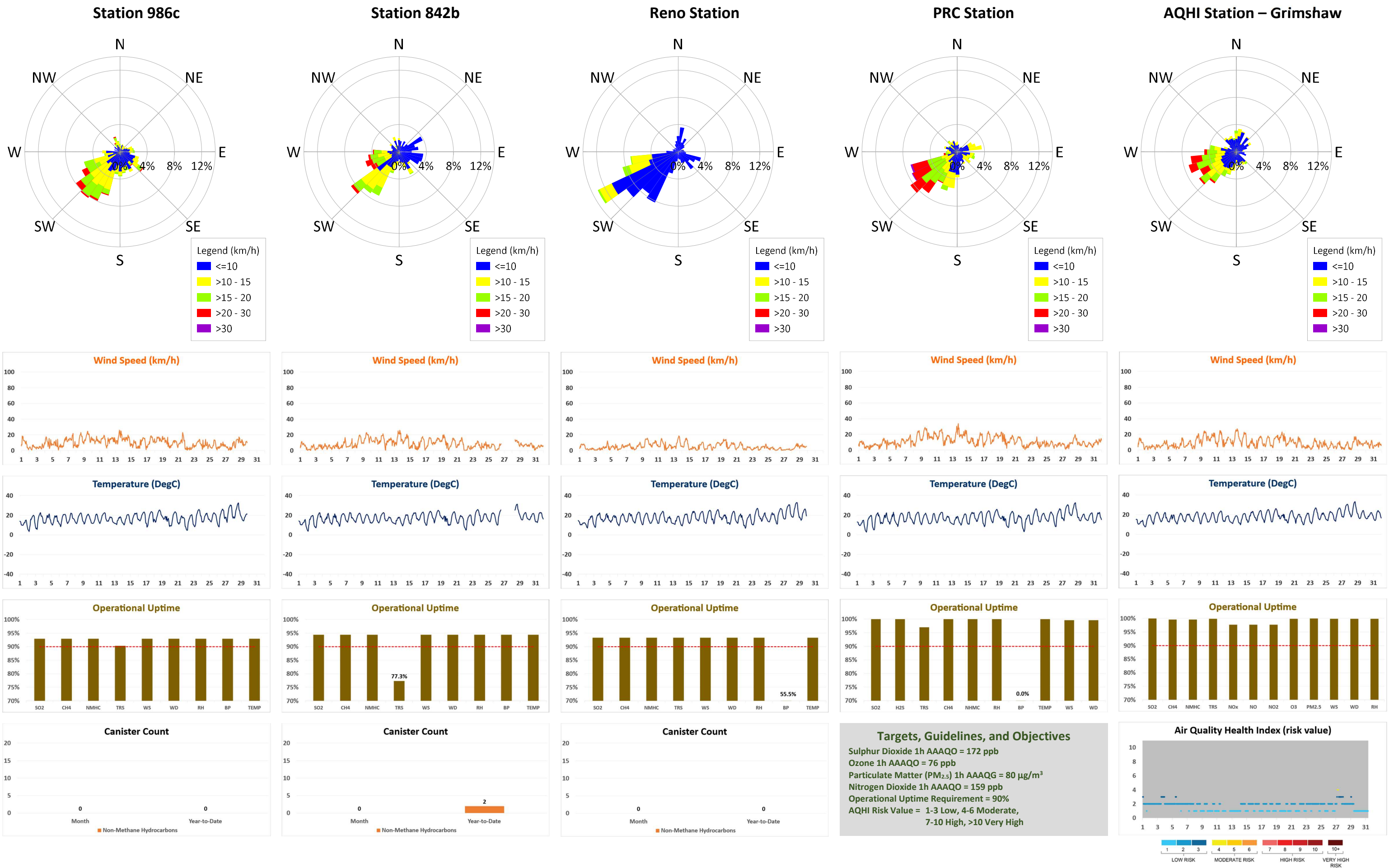


Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the [PRAMP website](#))

- 986c Station**
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
 - A major power outage occurred on July 29 hour 19. The power was back on August 3 hour 19. 53 hours of downtime were recorded in July.
- 842b Station**
- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable. No major operational issues this month that resulted in reportable downtime events, except TRS (77.3%). **AEP reference #: 401189.**
 - TRS:** The CD Nova CDN-101 TRS converter, s/n: 576, failed on July 6, and was replaced by the CD Nova CDN-101, s/n: 583, on July 10. The channel was back online on July 11. 125 hours of downtime were recorded.
 - No data were recorded between July 26 hour 15 and July 28 hour 8 due to datalogger failure, which was caused by ransomware attacks. A replacement datalogger was installed on July 28 hour 9. 42 hours of downtime were recorded due to this event.
- Reno Station**
- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable. No major operational issues this month that resulted in reportable downtime events, except BP (55.5%).
 - BP:** No variations were shown in the data between June 29 hour 15 and July 12 hour 16. Data are not believed to be real readings and were discarded. 281 hours of downtime were recorded in July.
- PRC Station**
- Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable. No major operational issues this month that resulted in reportable downtime events, except BP (0.0%).
 - BP:** No variations were shown in the data between July 1 hour 0 and August 1 hour 5. Data are not believed to be real readings and were discarded. 744 hours of downtime were recorded in July.
- AQHI Station – Grimshaw**
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
 - O3:** On July 12, the BV-supplied API 400A analyzer, s/n: 445, was removed, and the PRAMP-owned Teledyne T400 analyzer, was installed. One hour of downtime was recorded due to this event.
- VOCs Canister Sampling Program**
- There were no canister events recorded this month.



July 2022: 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 µg/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

Air Quality Health Index (risk value)

1 2 3 4 5 6 7 8 9 10 10+

LOW RISK MODERATE RISK HIGH RISK VERY HIGH RISK