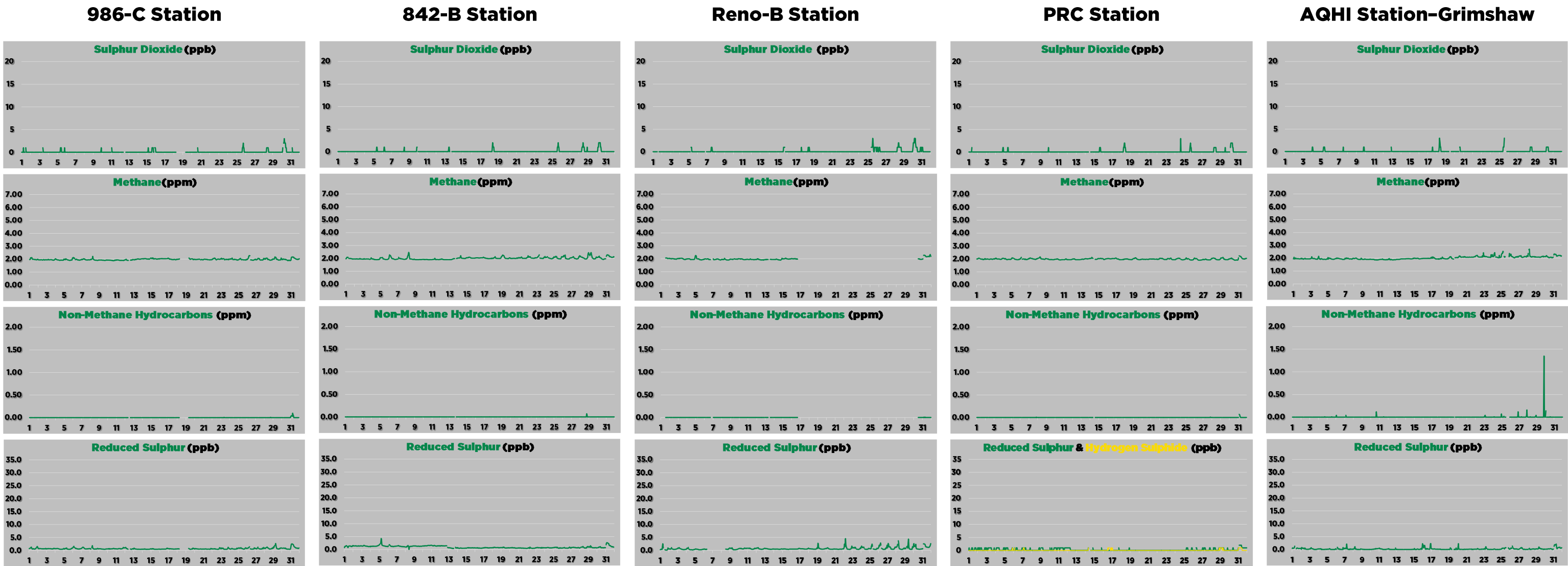
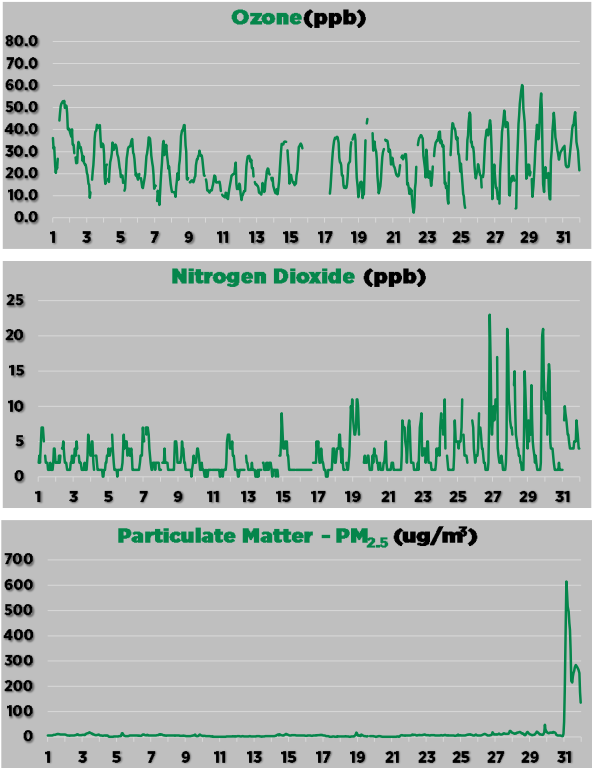


August 2025: Active Monitoring Program

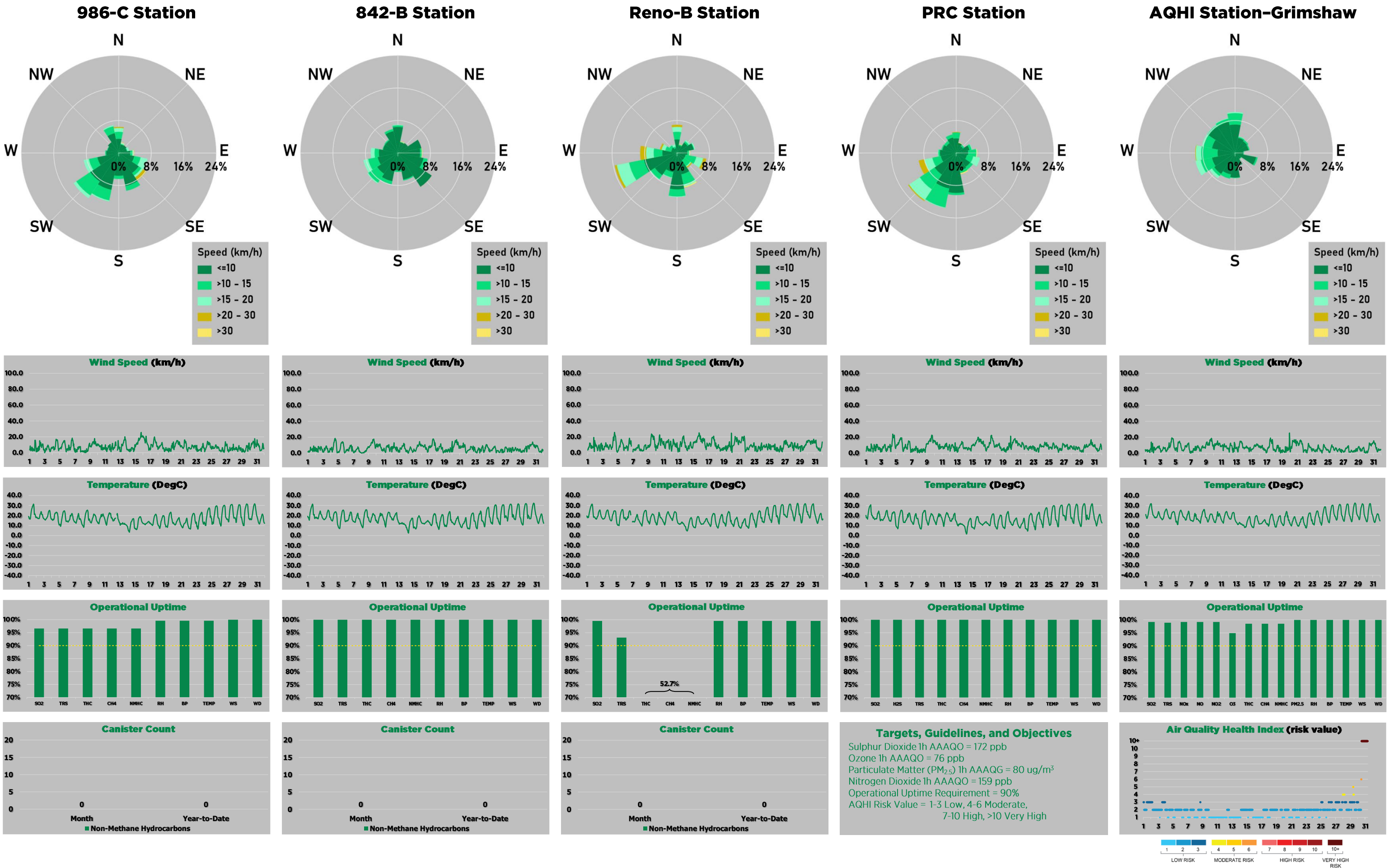


Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the [PRAMP website](#))

- 986-C Station**
- No major operational issues were identified this month.
- 842-B Station**
- No major operational issues were identified this month.
- Reno-B Station**
- CH₄: Concentrations trended low on August 17. The Thermo 55i (s/n 1501663728) was replaced on August 20 due to injection issues. A valid shutdown calibration couldn't be achieved, but an installation calibration was completed on August 21. Data were invalidated back to the last valid check (Aug 16, hr 18). 114 hours of downtime. NMHC: After installing the Thermo 55i (s/n 1193585652) on August 21, the NMHC channel showed noise. The analyzer was replaced on August 29 with a Thermo 55i (s/n 1505664392). Shutdown calibration failed; calibration was completed August 30. Data were invalidated back to the installation time of s/n 1193585652. 216 hours of downtime. Total downtime: Excluding unrelated events, 352 hours of downtime (operational uptime 52.7%). DIN0020281.
 - TRS: The TRS converter (CD Nova CDN101, s/n 590) failed on August 6 and was replaced with s/n 478 on August 7. Post-repair calibration was completed August 8. 51 hours of downtime.
 - One 30-minute TRS exceedances was recorded at the Reno Station in August.
- PRC Station**
- No major operational issues were identified this month.
- AQHI – Grimshaw Station**
- Gas channels: With the exception of ozone and PM_{2.5}, the analyzers operated outside the manufacturer's specified temperature ranges on some dates due to high shelter temperatures. One-minute data were reviewed and discarded if the analyzers were operating outside the acceptable ranges. Hourly data were then recalculated using the revised one-minute dataset. Between six and eleven hours of downtime were recorded due to this issue.
 - Twenty-three 1-hour and one 24-hour PM_{2.5} exceedances were recorded at the AQHI-Grimshaw Station in August.
- VOCs Canister Sampling Program**
- No valid NMHC canister events were recorded this month.



August 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 AAAQO = 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

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