

# June 2022: Active Monitoring Program

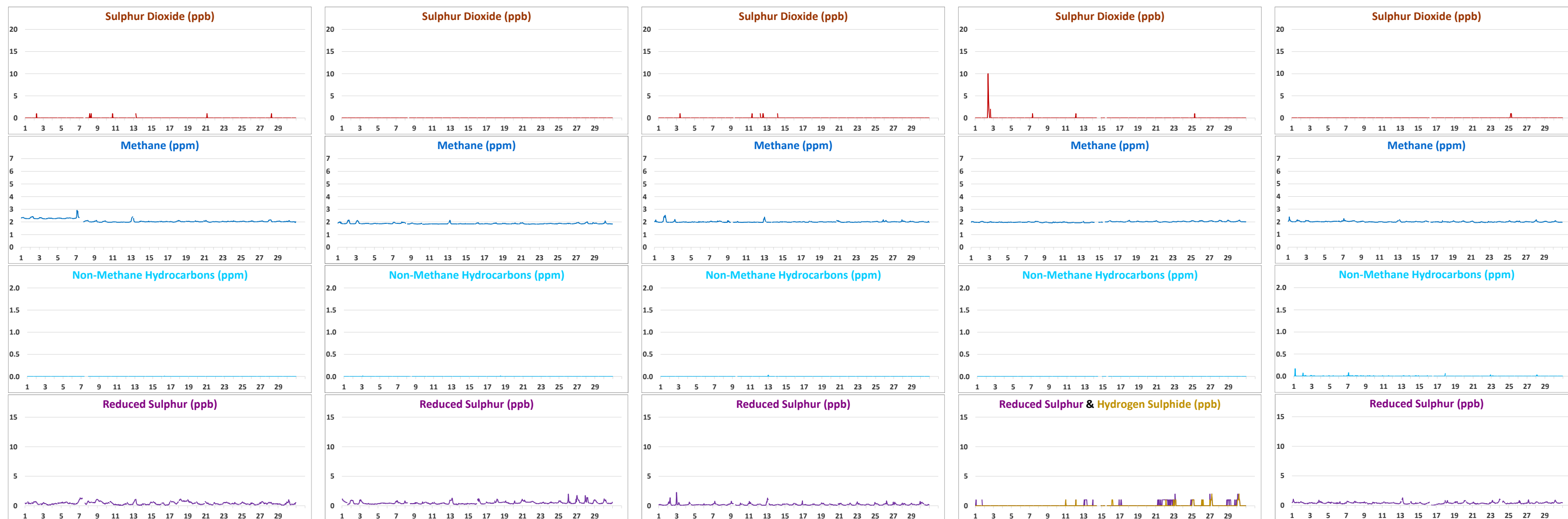
Station 986c

Station 842b

Reno Station

PRC Station

AQHI Station – Grimshaw



## 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.
- **THC/CH4/NMHC:** In order to investigate unusual high CH4 concentrations, the analyzer was removed from the field for further shop-testing. Following a shut down calibration on June 7, the PRAMP-owned Thermo 55i HC analyzer, s/n: 1193585652, was removed, and the contractor-supplied Thermo 55i HC analyzer, s/n: 1433563261, was installed. A successful post-repair calibration was completed afterward. Four hours of downtime were recorded due to this event.

### 842b 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.

### Reno Station

- No major operational issues this month that resulted in reportable downtime events, except RH. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- **RH:** The Rotronic HC2-S3 RH/AT sensor, s/n: 60837897, failed on May 23 hour 7. On June 9, the faulty sensor was removed, and a Rotronic HC2-S3 RH/AT sensor, s/n: 61116376, was installed. 202 hours of downtime were recorded in June (71.9 % uptime).

### PRC Station

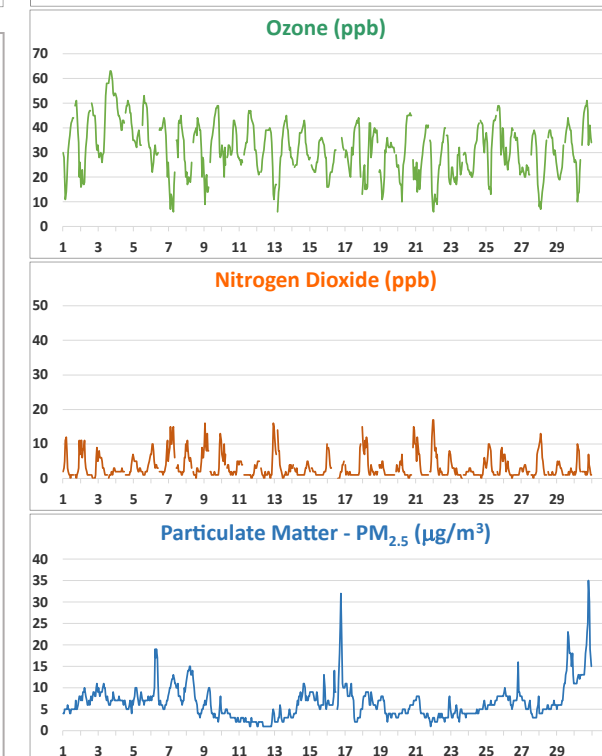
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

### 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.

### VOCs Canister Sampling Program

- There were no canister events recorded this month.



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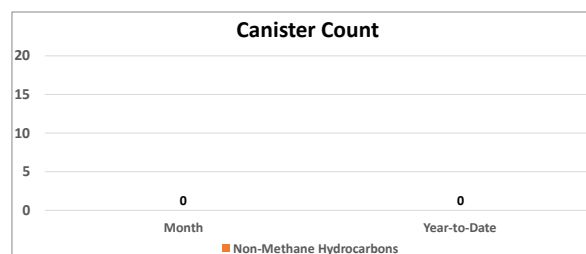
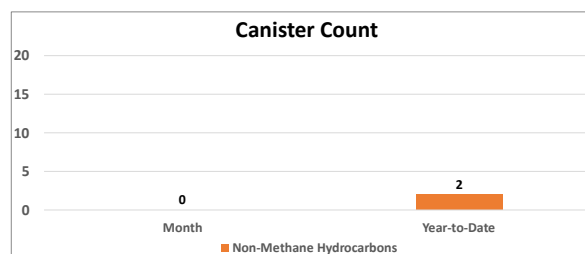
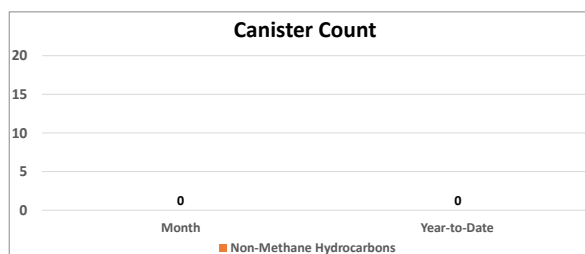
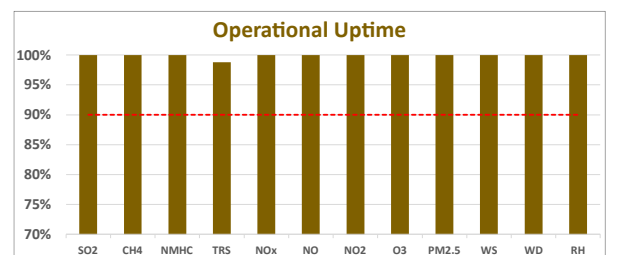
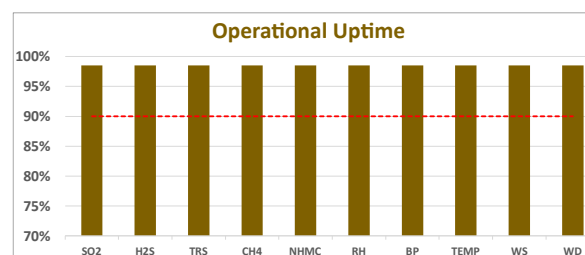
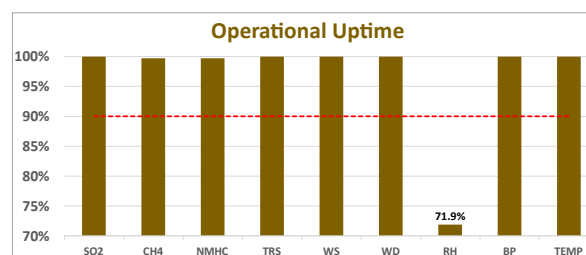
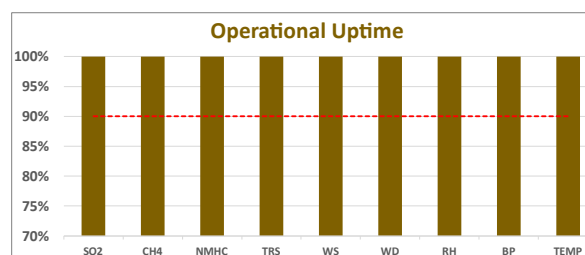
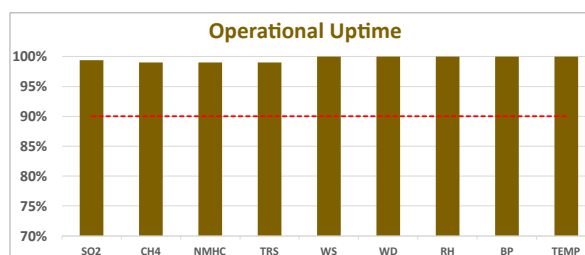
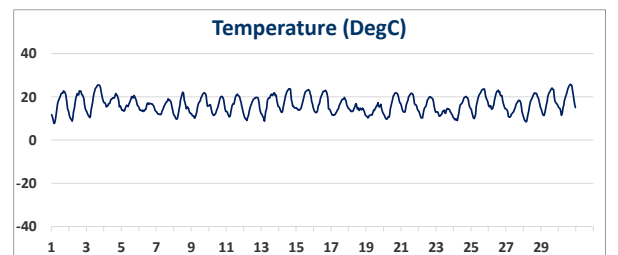
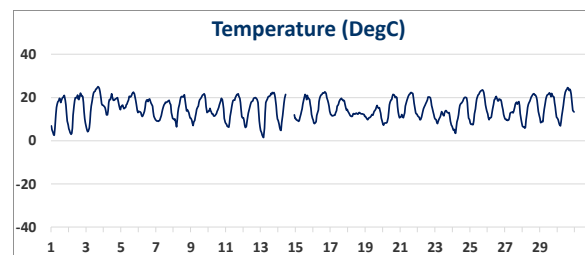
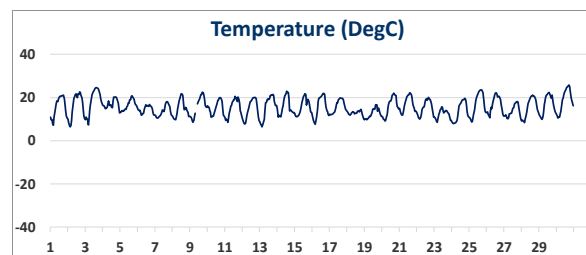
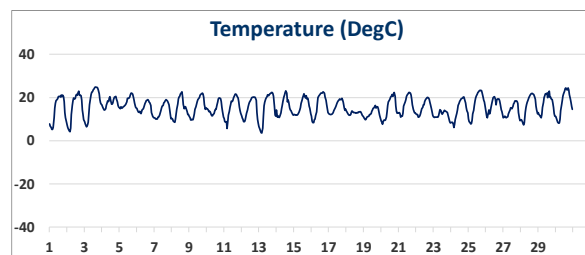
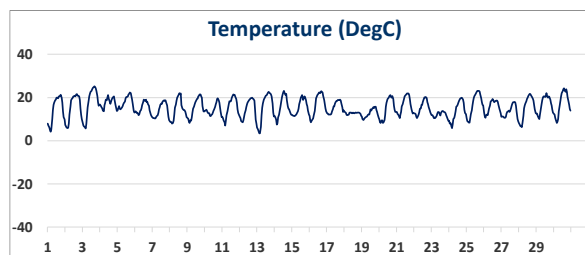
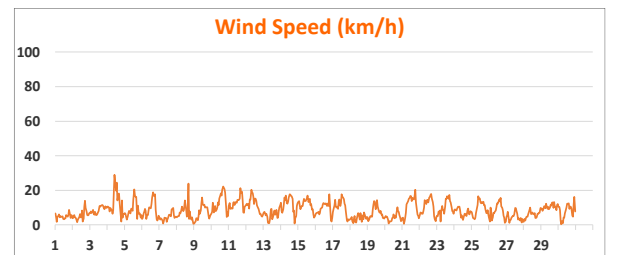
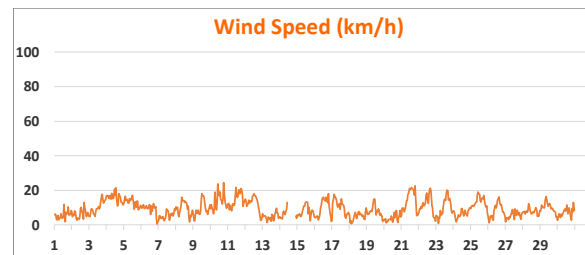
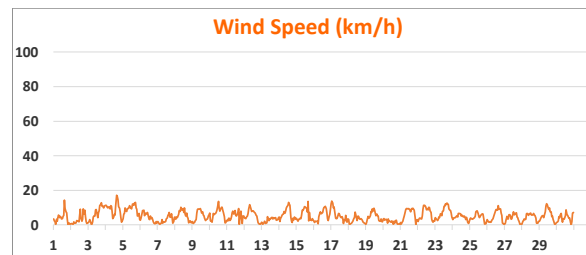
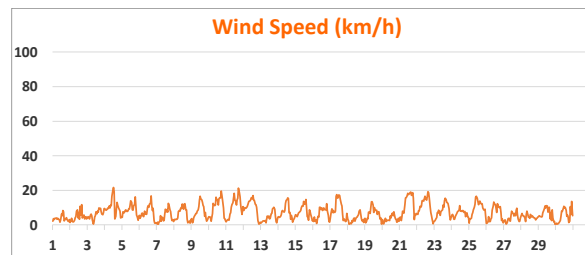
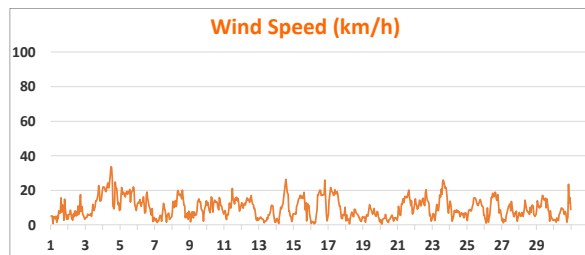
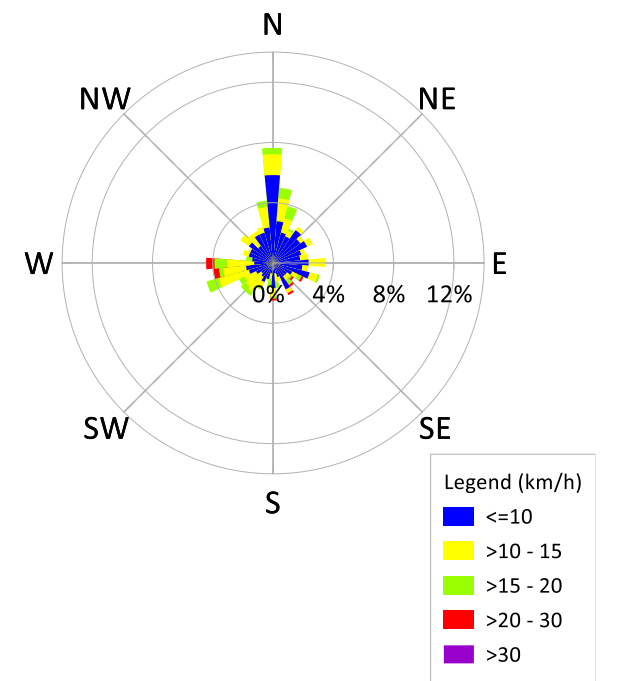
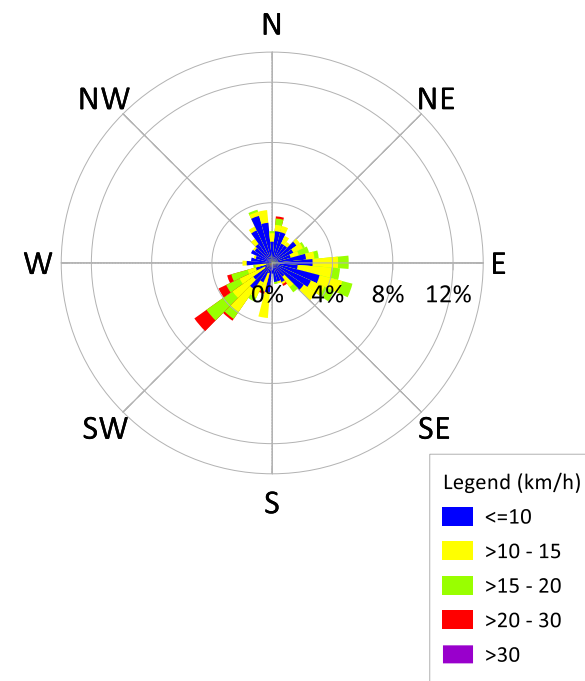
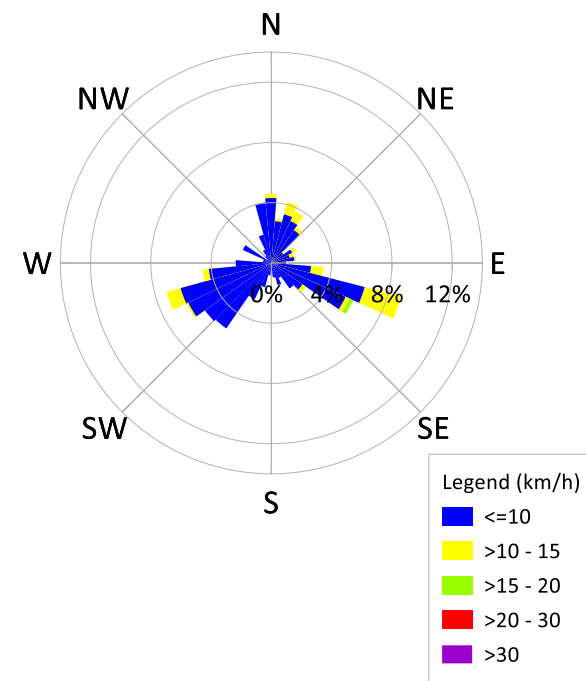
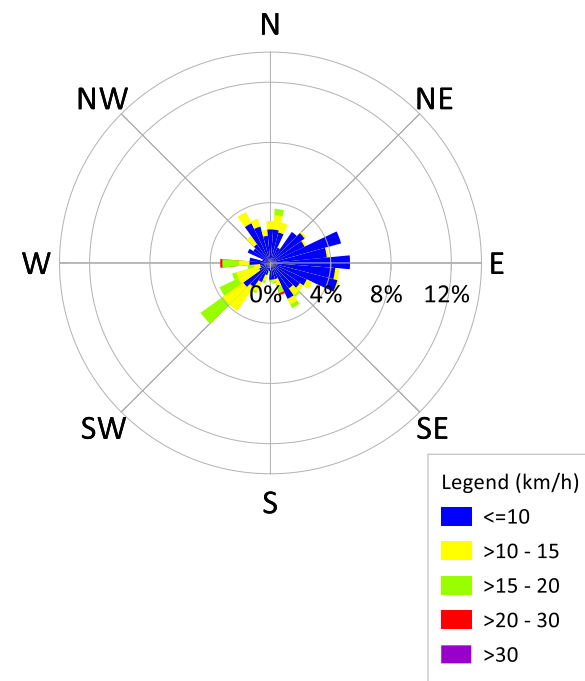
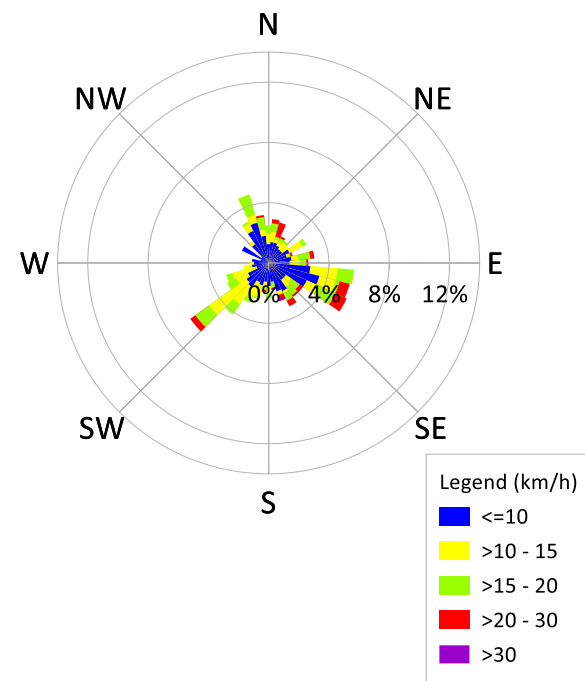
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**Targets, Guidelines, and Objectives**  
 Sulphur Dioxide 1h AAAQO = 172 ppb  
 Ozone 1h AAAQO = 76 ppb  
 Particulate Matter (PM<sub>2.5</sub>) 1h AAAQO = 80 µg/m<sup>3</sup>  
 Nitrogen Dioxide 1h AAAQO = 159 ppb  
 Operational Uptime Requirement = 90%  
 AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-10 High, >10 Very High

