

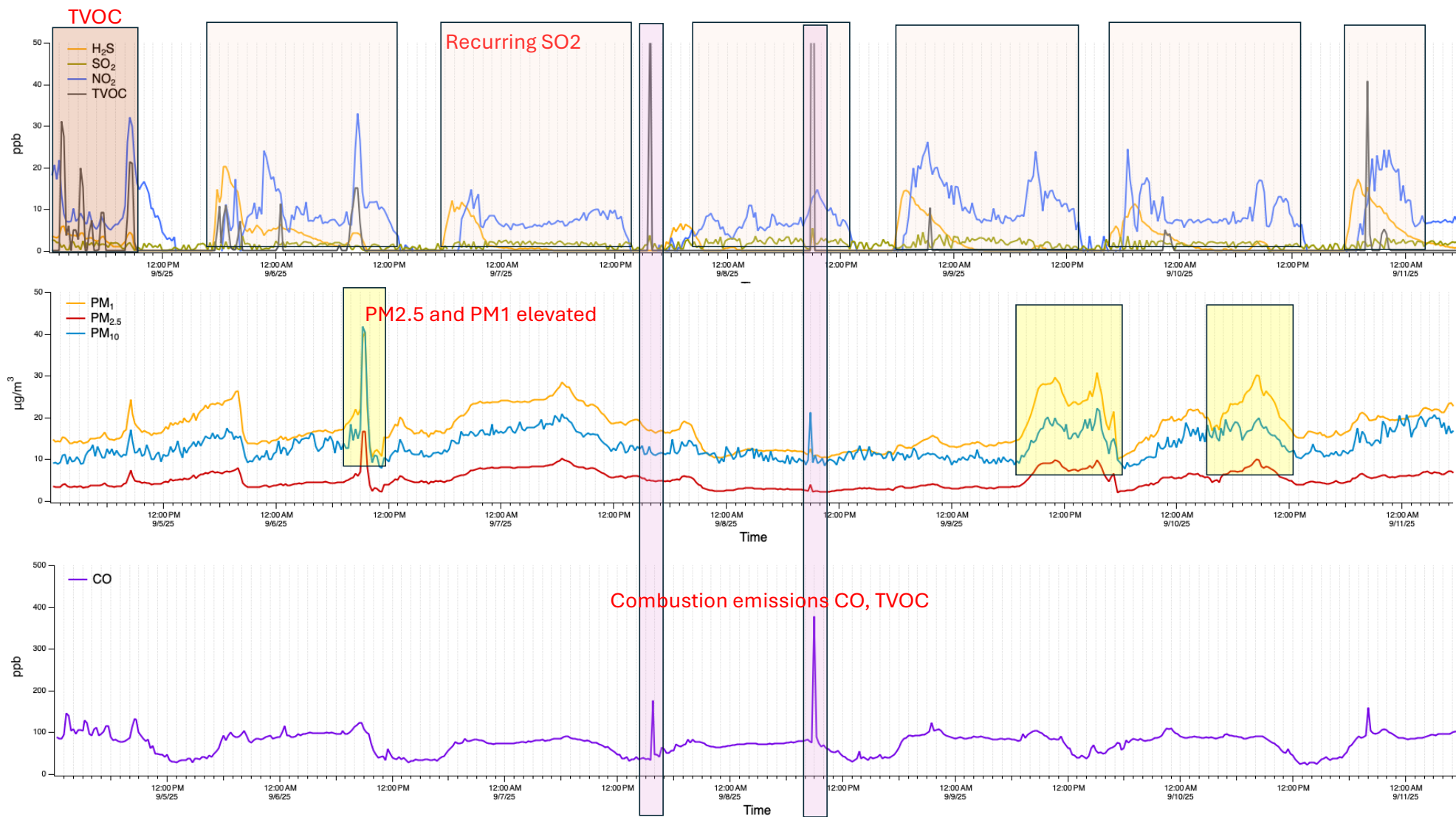
# Alsen POD

September 5-11, 2025

## *Disclaimer*

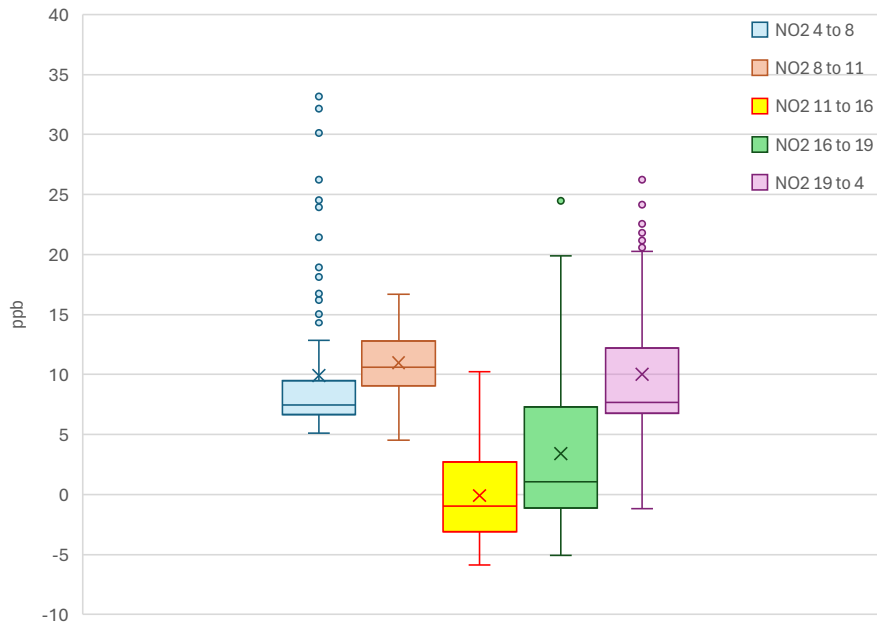
*The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act, the data may not be used to allege violations or non-compliance with federal or State law. Rather, the data is intended for non-regulatory applications -- specifically, to better understand local air quality and to help communities to work with local companies to seek solutions to observed pollution events in a collaborative manner.*

*At the same time, most of the sensors are subject to QA/QC procedures and are calibrated and evaluated against official regulatory monitors.*



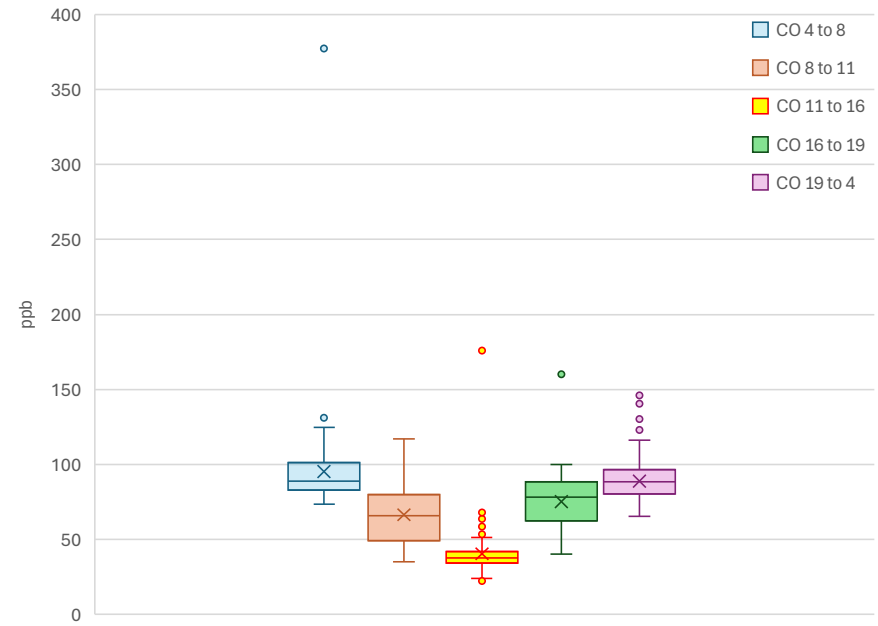
# Hourly concentration distribution

NO2 hourly distribution



| ppb          | Mean | Median | Q1   | Q3   | Min  | Max  | # points |
|--------------|------|--------|------|------|------|------|----------|
| NO2 4 to 8   | 9.9  | 7.4    | 6.7  | 9.5  | 5.1  | 33.1 | 104      |
| NO2 8 to 11  | 11.0 | 10.6   | 9.0  | 12.8 | 4.5  | 16.7 | 78       |
| NO2 11 to 16 | -0.1 | -1.0   | -3.1 | 2.7  | -5.9 | 10.2 | 130      |
| NO2 16 to 19 | 3.4  | 1.1    | -1.1 | 7.3  | -5.1 | 24.5 | 78       |
| NO2 19 to 4  | 10.0 | 7.7    | 6.8  | 12.2 | -1.2 | 26.2 | 244      |

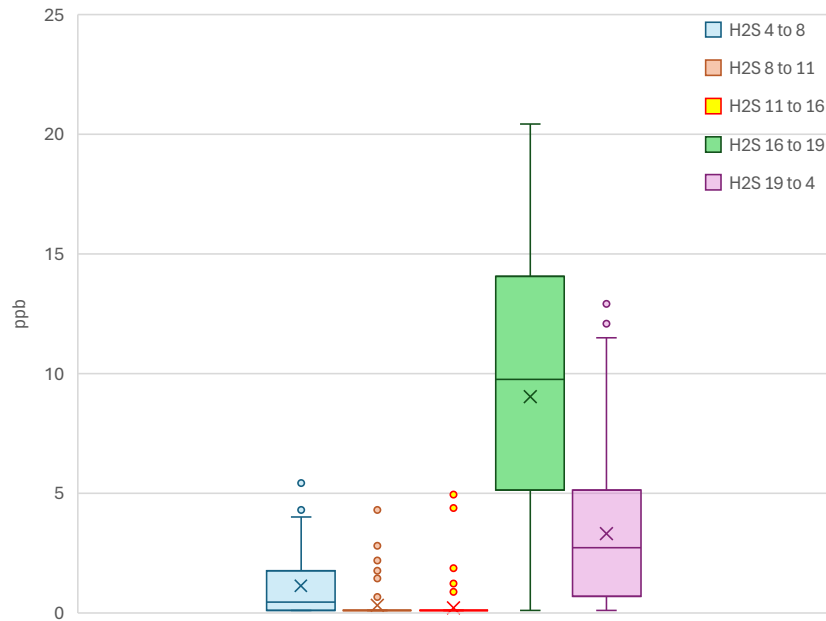
CO hourly distribution



| ppb         | Mean | Median | Q1   | Q3    | Min  | Max   | # points |
|-------------|------|--------|------|-------|------|-------|----------|
| CO 4 to 8   | 95.4 | 89.0   | 82.6 | 101.3 | 73.4 | 377.4 | 104      |
| CO 8 to 11  | 66.5 | 65.7   | 49.4 | 79.9  | 35.1 | 117.1 | 78       |
| CO 11 to 16 | 40.5 | 37.7   | 34.2 | 41.9  | 22.3 | 175.9 | 130      |
| CO 16 to 19 | 75.4 | 78.3   | 62.4 | 88.3  | 40.1 | 160.1 | 78       |
| CO 19 to 4  | 88.7 | 88.3   | 80.4 | 96.7  | 65.3 | 145.9 | 244      |

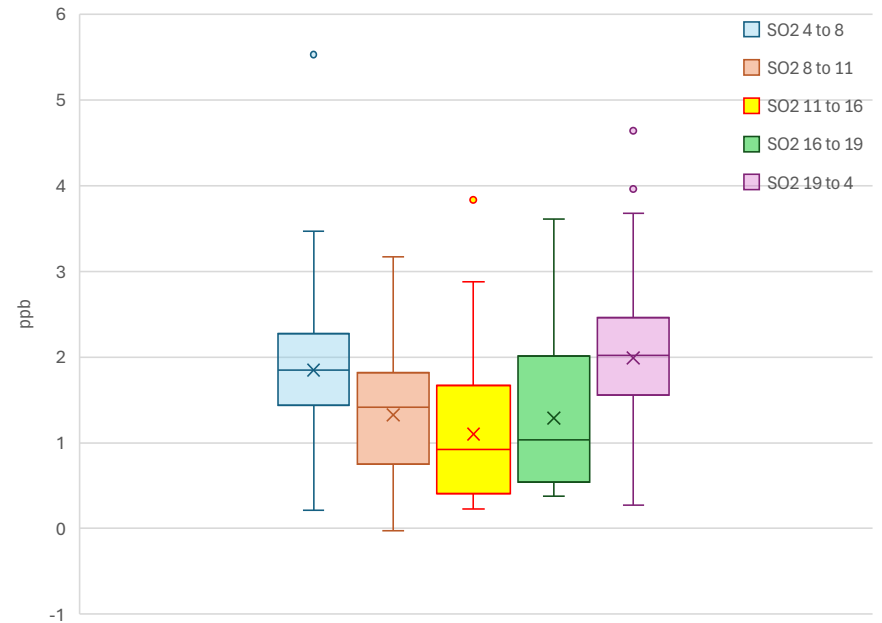
# Hourly concentration distribution

H<sub>2</sub>S hourly distribution



| ppb          | Mean | Median | Q1  | Q3   | Min | Max   | # points |
|--------------|------|--------|-----|------|-----|-------|----------|
| H2S 4 to 8   | 1.1  | 0.4    | 0.1 | 0.1  | 0.1 | 174.2 | 104      |
| H2S 8 to 11  | 0.3  | 0.1    | 0.1 | 0.1  | 0.1 | 10.6  | 78       |
| H2S 11 to 16 | 0.2  | 0.1    | 0.1 | 0.1  | 0.1 | 61.6  | 130      |
| H2S 16 to 19 | 9.0  | 9.7    | 5.0 | 14.2 | 0.1 | 20.4  | 78       |
| H2S 19 to 4  | 3.3  | 2.7    | 0.7 | 5.2  | 0.1 | 12.9  | 244      |

SO<sub>2</sub> hourly distribution

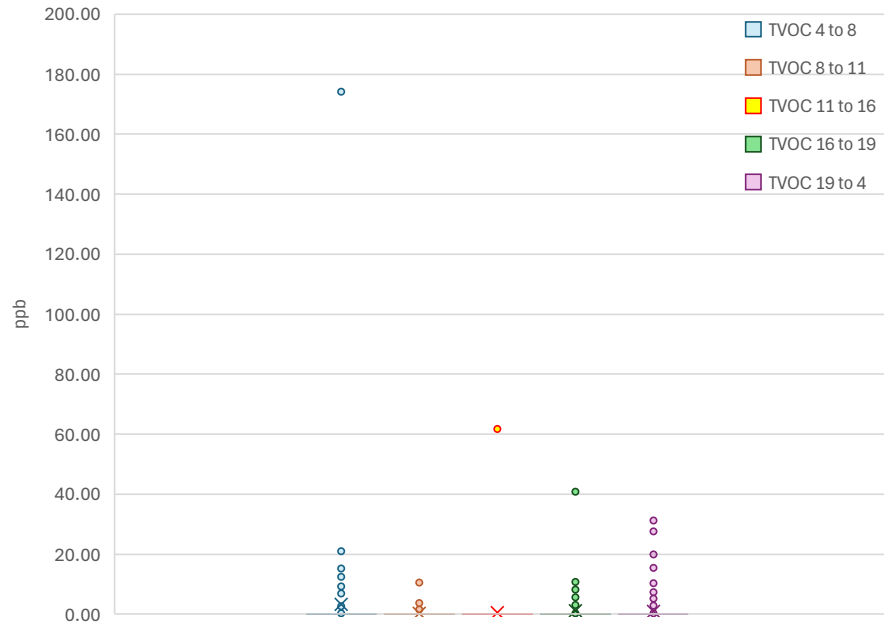


| ppb          | Mean | Median | Q1  | Q3  | Min | Max | # points |
|--------------|------|--------|-----|-----|-----|-----|----------|
| SO2 4 to 8   | 1.8  | 1.8    | 1.4 | 2.3 | 0.2 | 5.5 | 104      |
| SO2 8 to 11  | 1.3  | 1.4    | 0.8 | 1.8 | 0.0 | 3.2 | 78       |
| SO2 11 to 16 | 1.1  | 0.9    | 0.4 | 1.7 | 0.2 | 3.8 | 130      |
| SO2 16 to 19 | 1.3  | 1.0    | 0.5 | 2.0 | 0.4 | 3.6 | 77       |
| SO2 19 to 4  | 2.0  | 2.0    | 1.5 | 2.5 | 0.3 | 4.6 | 244      |

H<sub>2</sub>S data is not referenced and calibrated against regulatory monitor

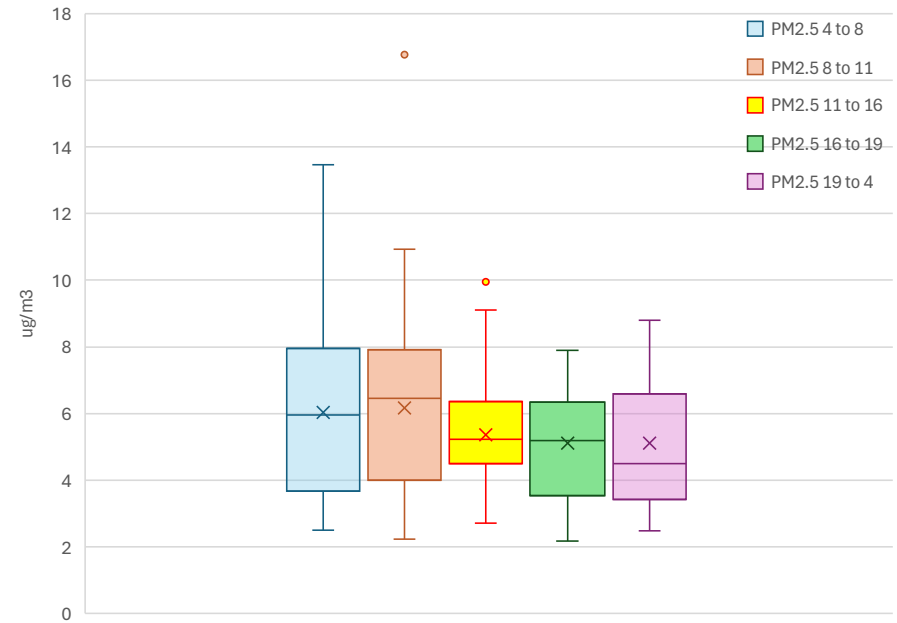
# Hourly concentration distribution

TVOC hourly distribution



| ppb           | Mean | Median | Q1  | Q3  | Min | Max   | # points |
|---------------|------|--------|-----|-----|-----|-------|----------|
| TVOC 4 to 8   | 3.4  | 0.1    | 0.1 | 0.1 | 0.1 | 174.2 | 104      |
| TVOC 8 to 11  | 0.3  | 0.1    | 0.1 | 0.1 | 0.1 | 10.6  | 78       |
| TVOC 11 to 16 | 0.6  | 0.1    | 0.1 | 0.1 | 0.1 | 61.6  | 130      |
| TVOC 16 to 19 | 1.2  | 0.1    | 0.1 | 0.1 | 0.1 | 40.8  | 78       |
| TVOC 19 to 4  | 0.9  | 0.1    | 0.1 | 0.1 | 0.1 | 31.2  | 244      |

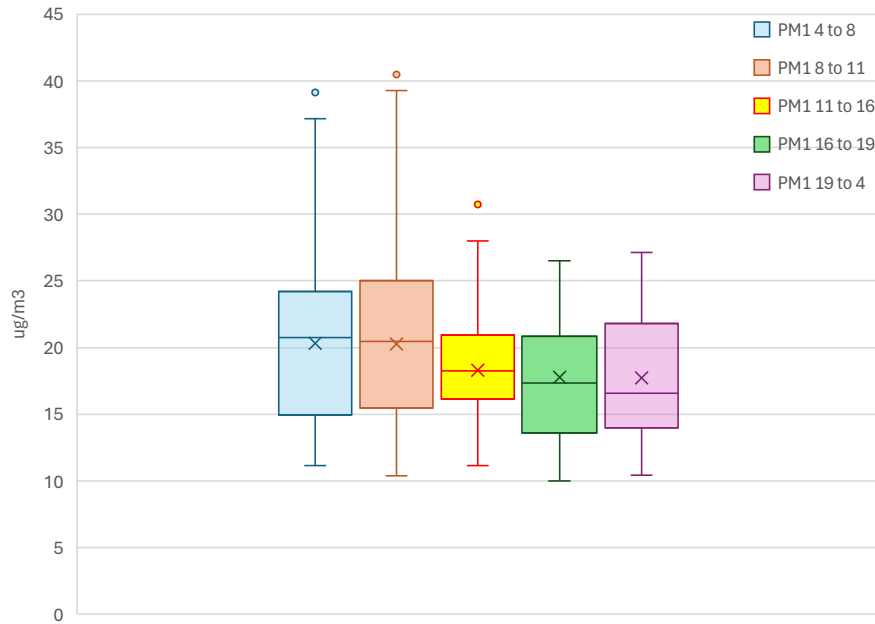
PM2.5 hourly distribution



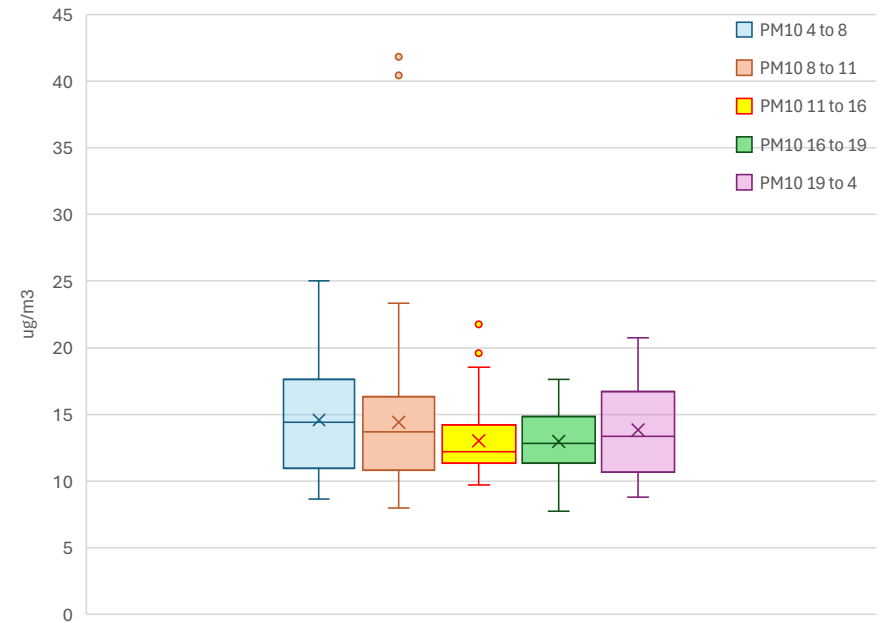
| ug/m3          | Mean | Median | Q1  | Q3  | Min | Max  | # points |
|----------------|------|--------|-----|-----|-----|------|----------|
| PM2.5 4 to 8   | 6.0  | 6.0    | 3.7 | 8.1 | 2.5 | 13.5 | 112      |
| PM2.5 8 to 11  | 6.2  | 6.5    | 4.0 | 7.9 | 2.2 | 16.8 | 84       |
| PM2.5 11 to 16 | 5.4  | 5.2    | 4.5 | 6.4 | 2.7 | 10.0 | 140      |
| PM2.5 16 to 19 | 5.1  | 5.2    | 3.5 | 6.3 | 2.2 | 7.9  | 84       |
| PM2.5 19 to 4  | 5.1  | 4.5    | 3.4 | 6.6 | 2.5 | 8.8  | 252      |

# Hourly concentration distribution

PM1 hourly distribution



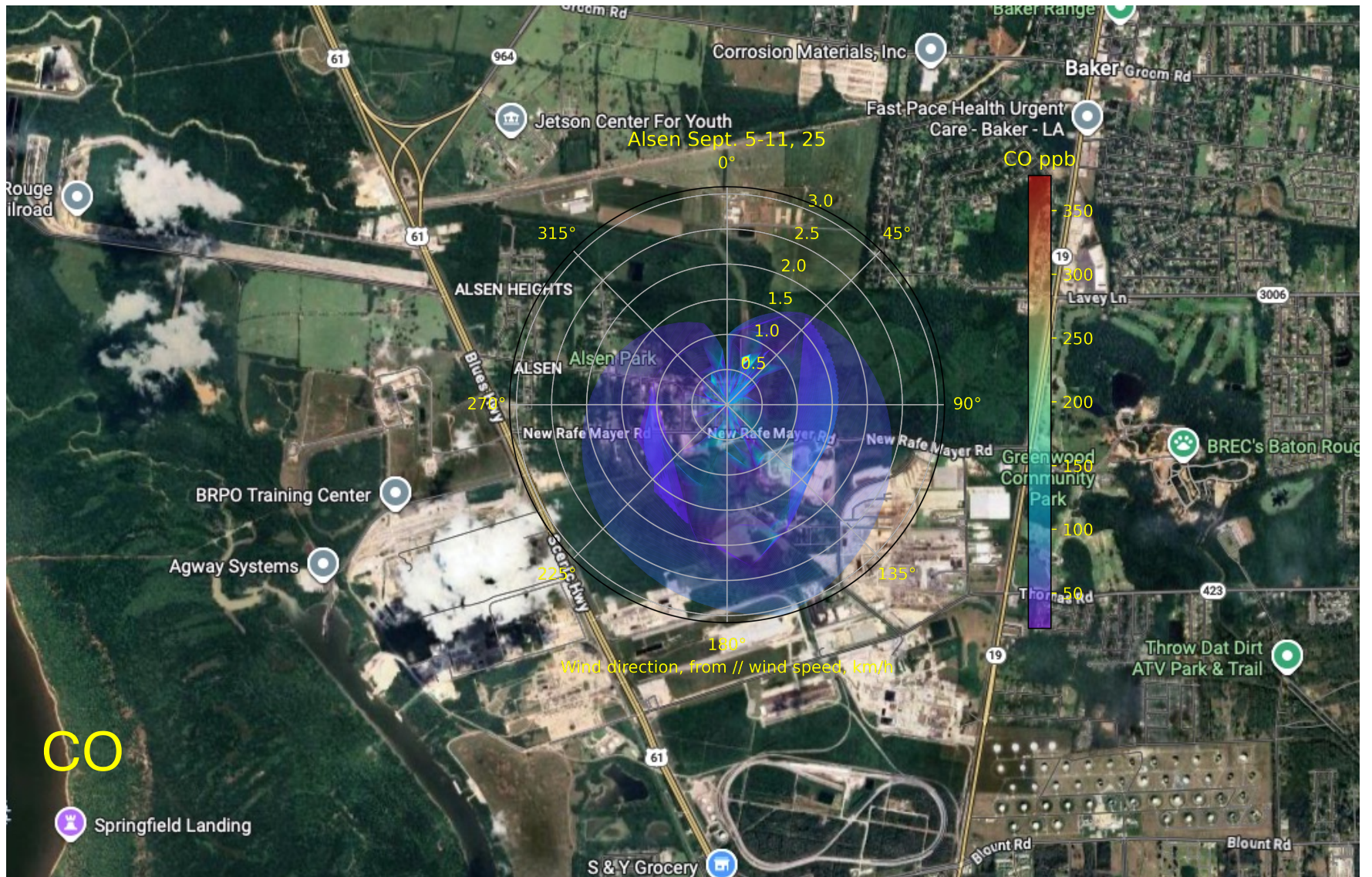
PM10 hourly distribution

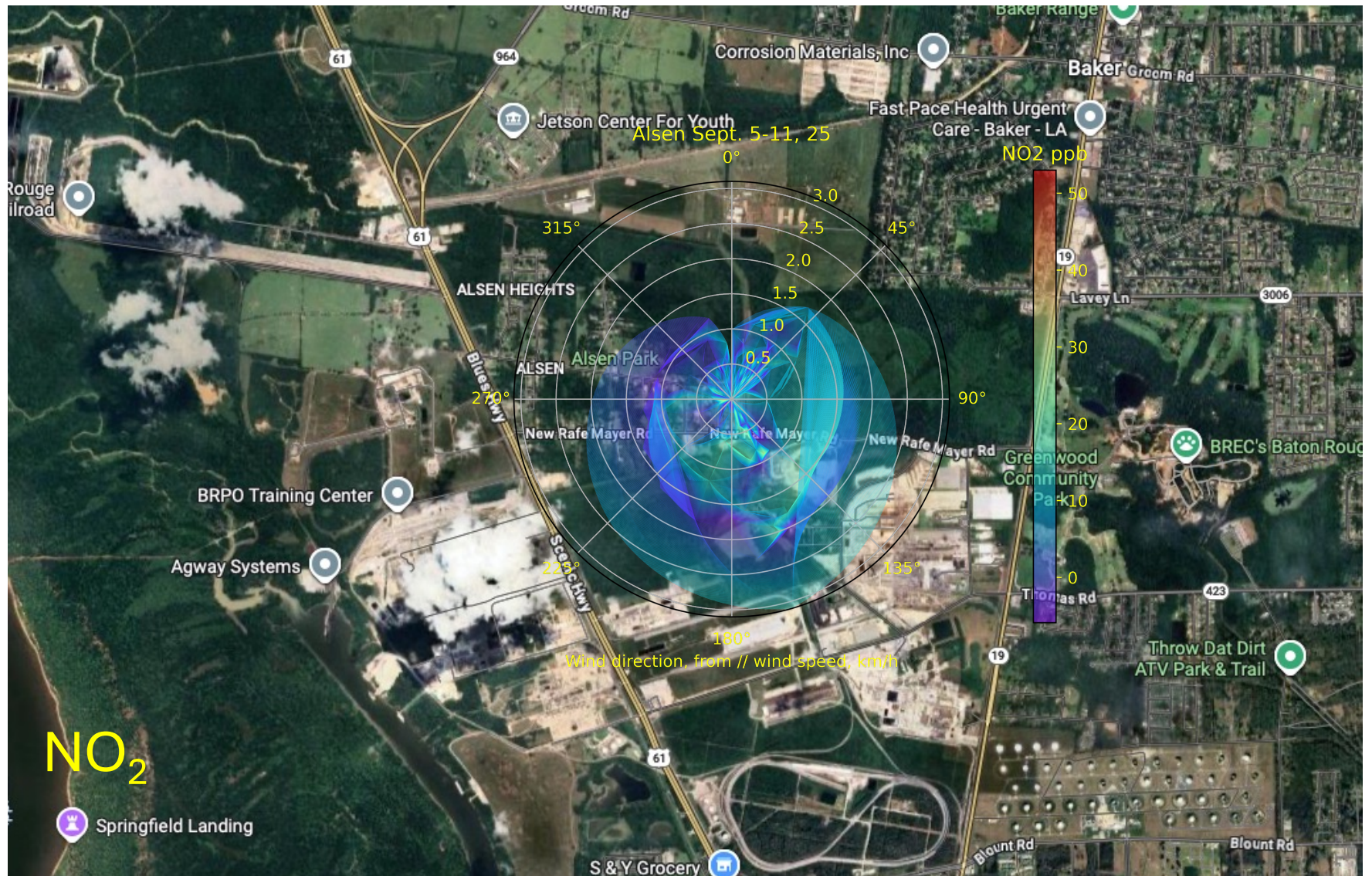


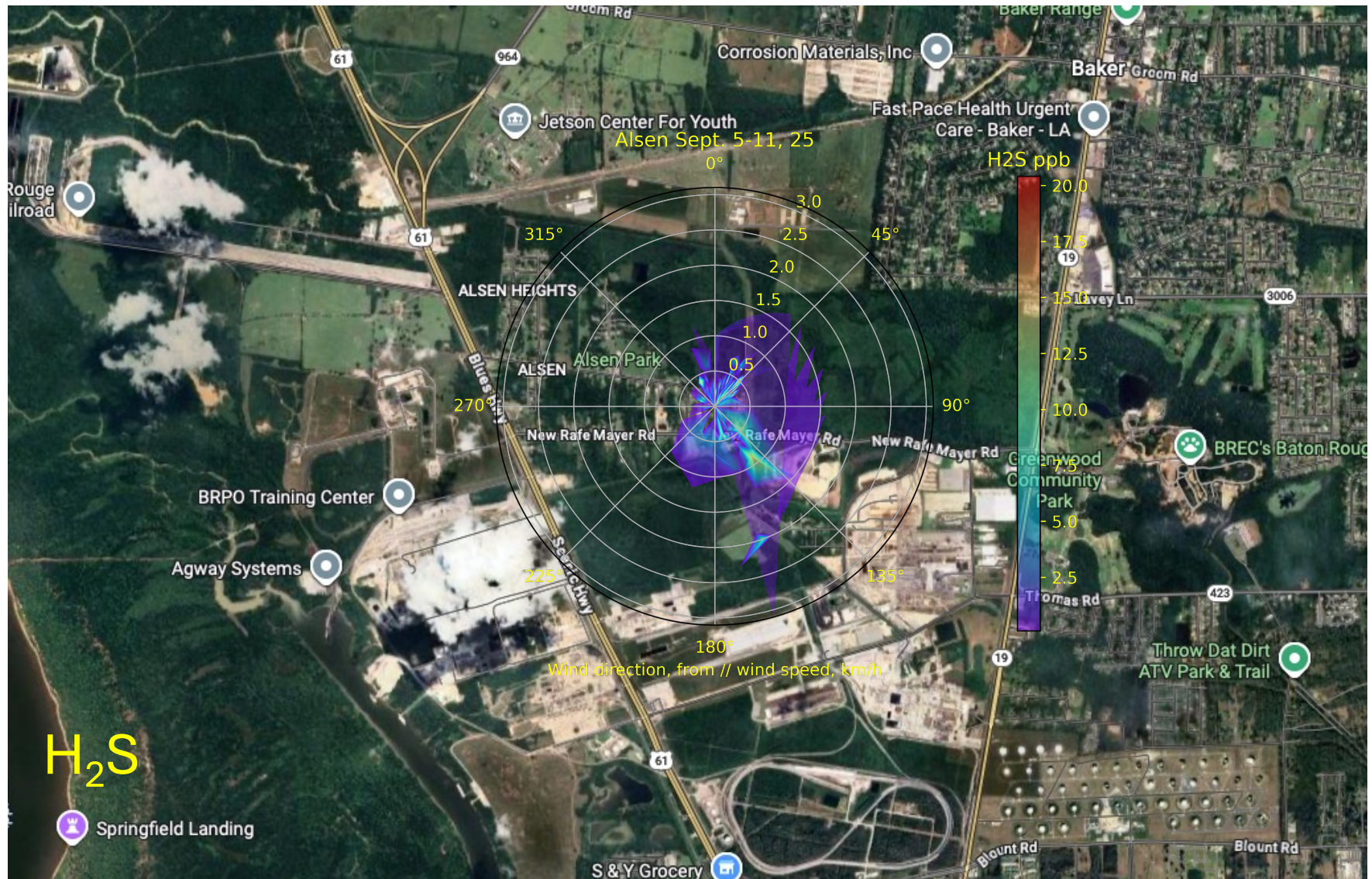
| ug/m3        | Mean | Median | Q1   | Q3   | Min  | Max  | # points |
|--------------|------|--------|------|------|------|------|----------|
| PM1 4 to 8   | 20.3 | 20.7   | 14.9 | 24.3 | 11.2 | 39.1 | 112      |
| PM1 8 to 11  | 20.3 | 20.5   | 15.5 | 25.0 | 10.4 | 40.5 | 84       |
| PM1 11 to 16 | 18.3 | 18.2   | 16.1 | 21.0 | 11.2 | 30.7 | 140      |
| PM1 16 to 19 | 17.8 | 17.3   | 13.6 | 20.9 | 10.0 | 26.5 | 84       |
| PM1 19 to 4  | 17.7 | 16.6   | 14.0 | 21.8 | 10.4 | 27.1 | 252      |

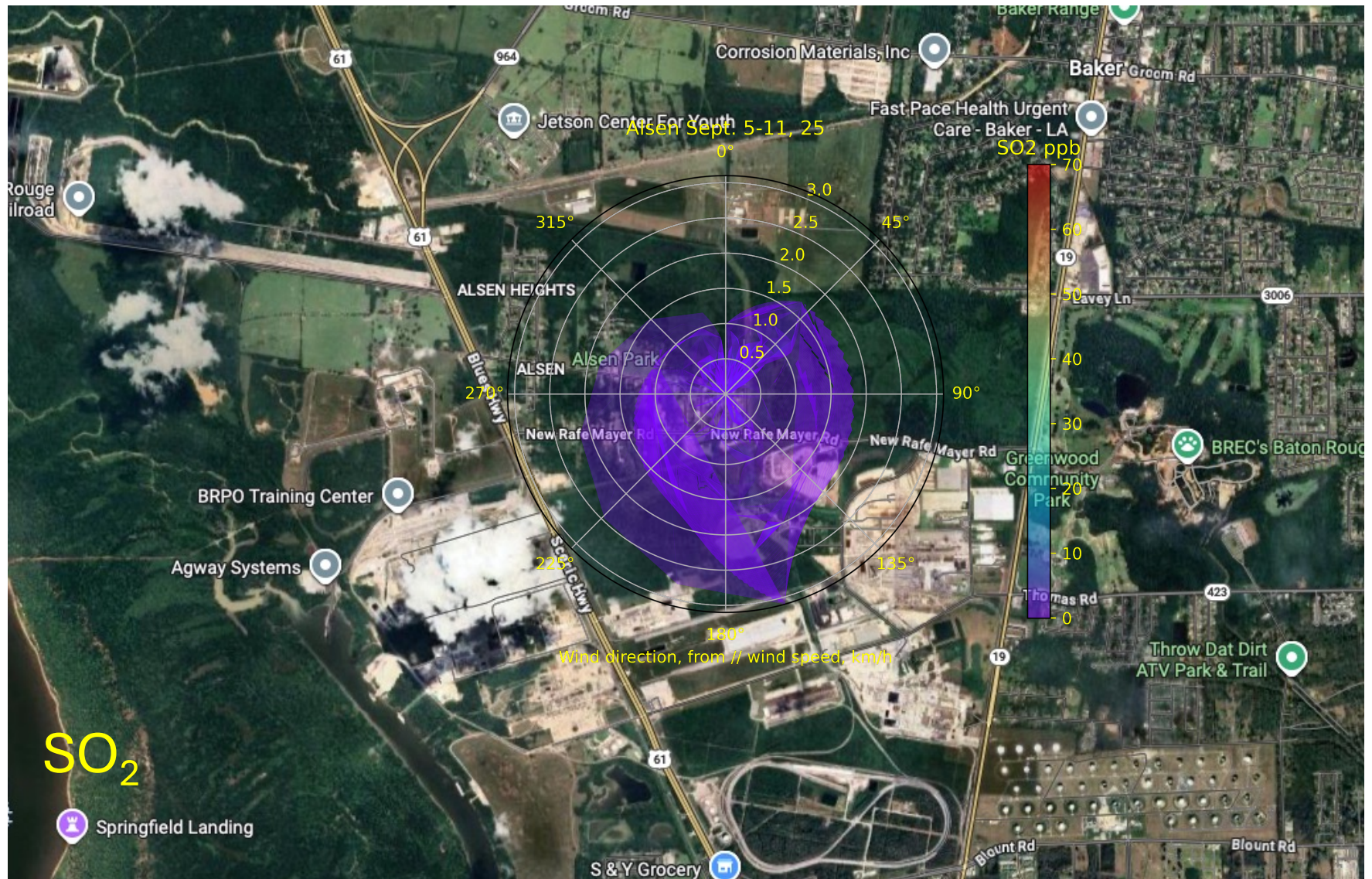
| ug/m3         | Mean | Median | Q1   | Q3   | Min | Max  | # points |
|---------------|------|--------|------|------|-----|------|----------|
| PM10 4 to 8   | 14.6 | 14.4   | 11.0 | 17.6 | 8.7 | 25.0 | 112      |
| PM10 8 to 11  | 14.4 | 13.7   | 10.8 | 16.4 | 8.0 | 41.8 | 84       |
| PM10 11 to 16 | 13.0 | 12.2   | 11.4 | 14.2 | 9.7 | 22.2 | 140      |
| PM10 16 to 19 | 13.0 | 12.8   | 11.4 | 14.8 | 7.7 | 17.6 | 84       |
| PM10 19 to 4  | 13.8 | 13.3   | 10.7 | 16.7 | 8.8 | 20.8 | 252      |

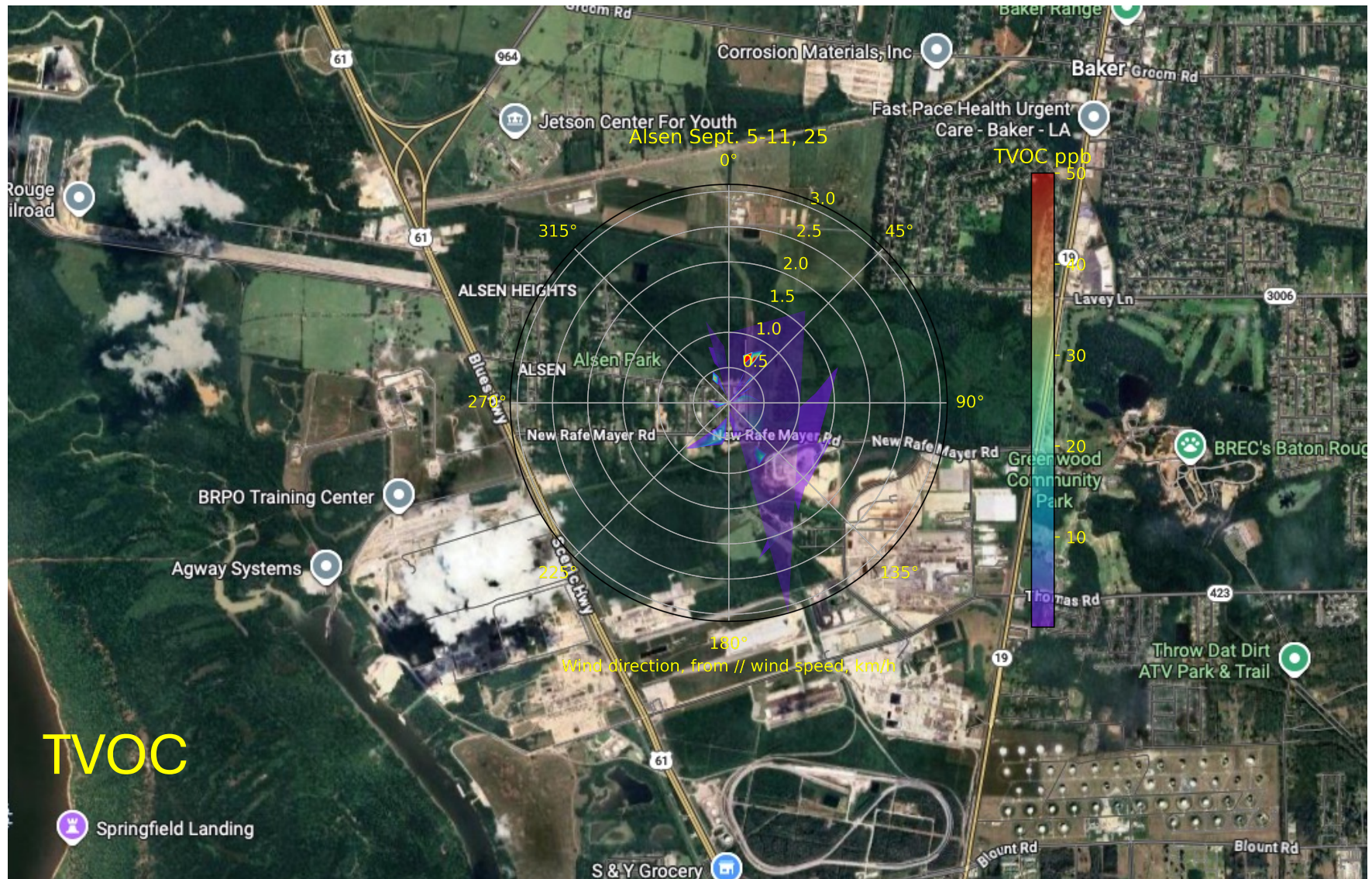
PM1 data is not referenced and calibrated against regulatory monitor

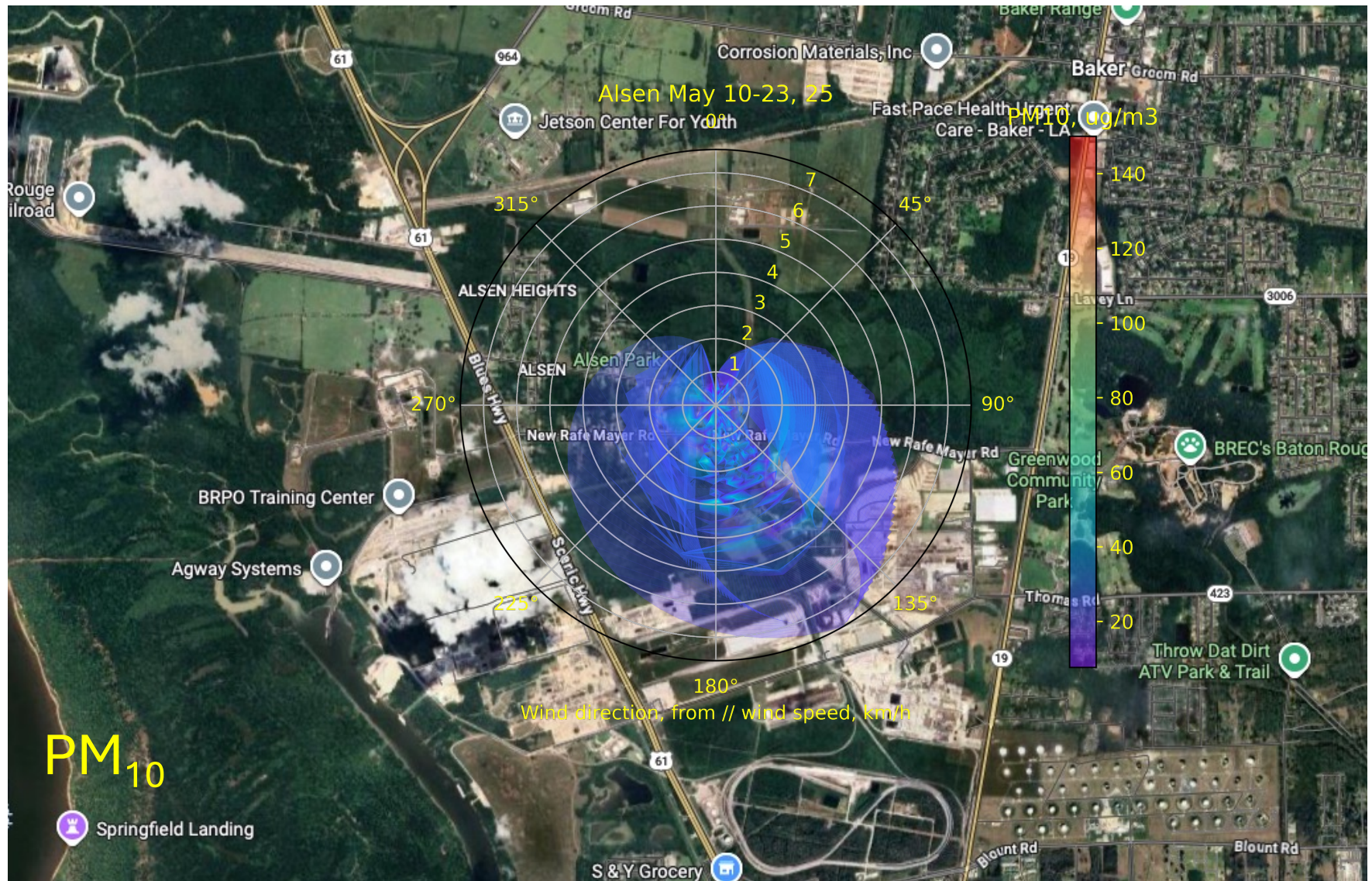


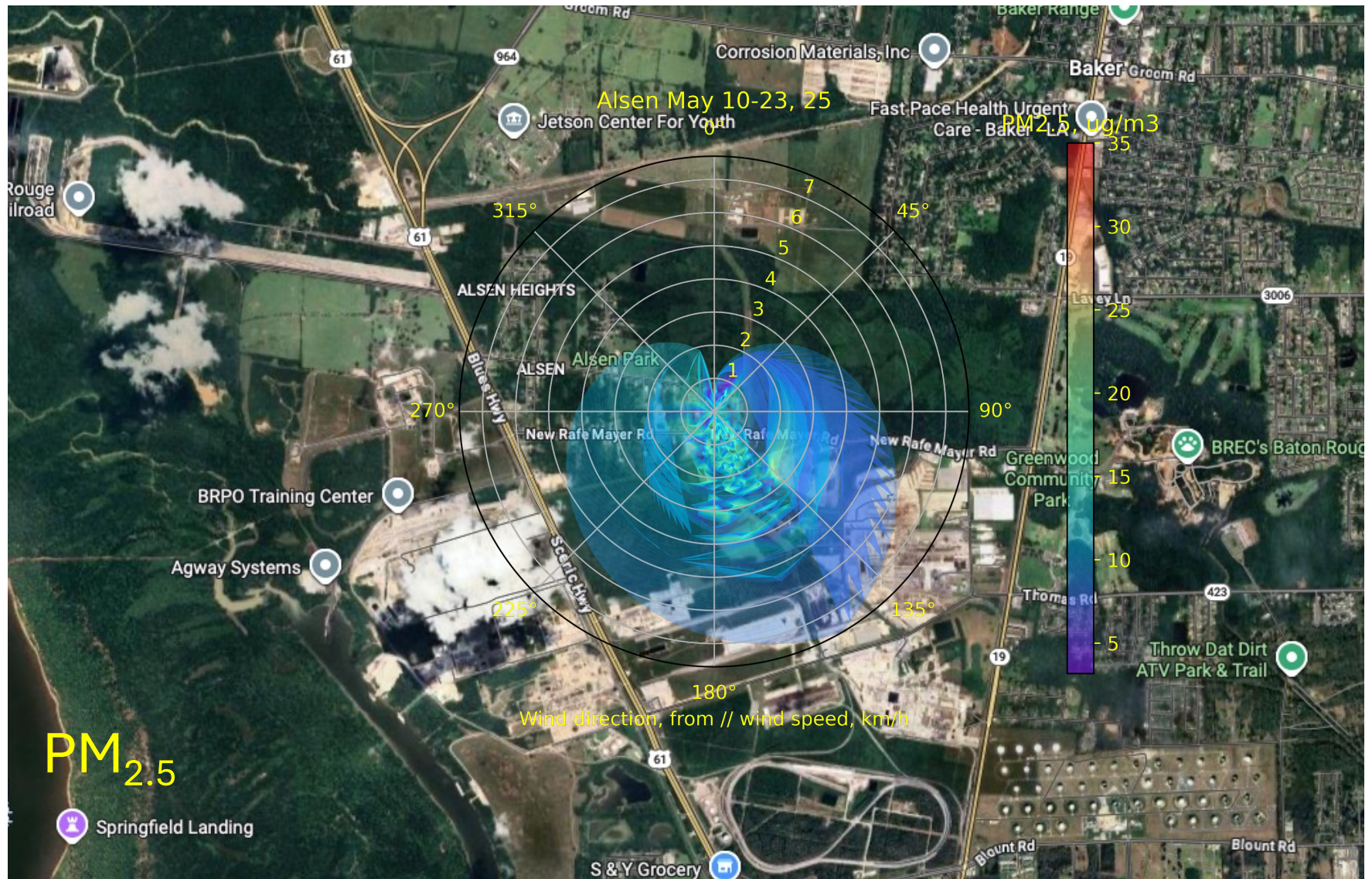


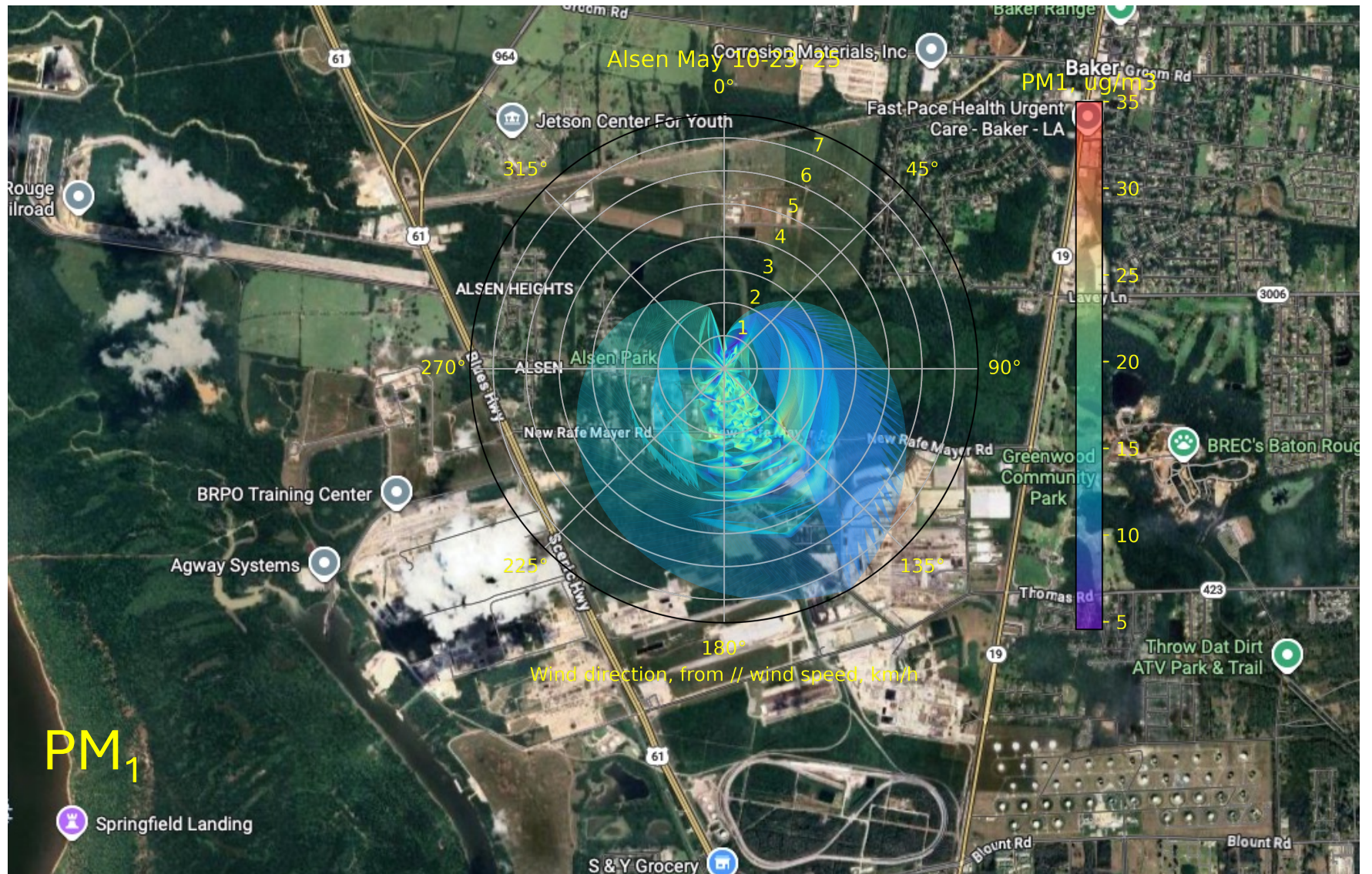












# ALSEN POD

## 09/05-09/11

- PM<sub>2.5</sub> and PM<sub>1</sub> from South East, occasionally exceeding 9ug/m<sup>3</sup>
- H<sub>2</sub>S and SO<sub>2</sub> from South however not significant levels.
- Observed TVOC spikes. Appears am relatively local combustion source

