

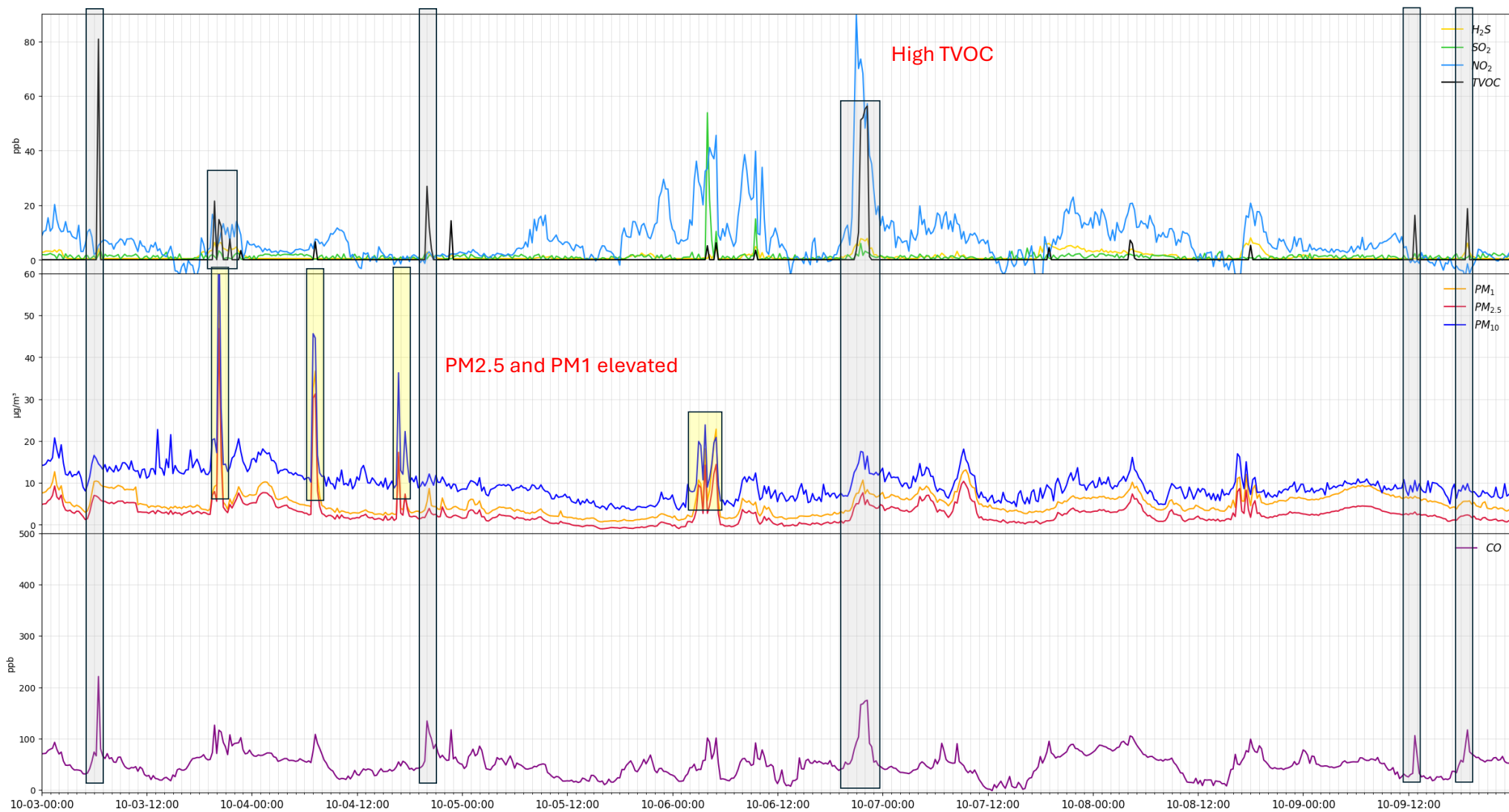
Geismar POD

October 3 – 9, 2025

Disclaimer

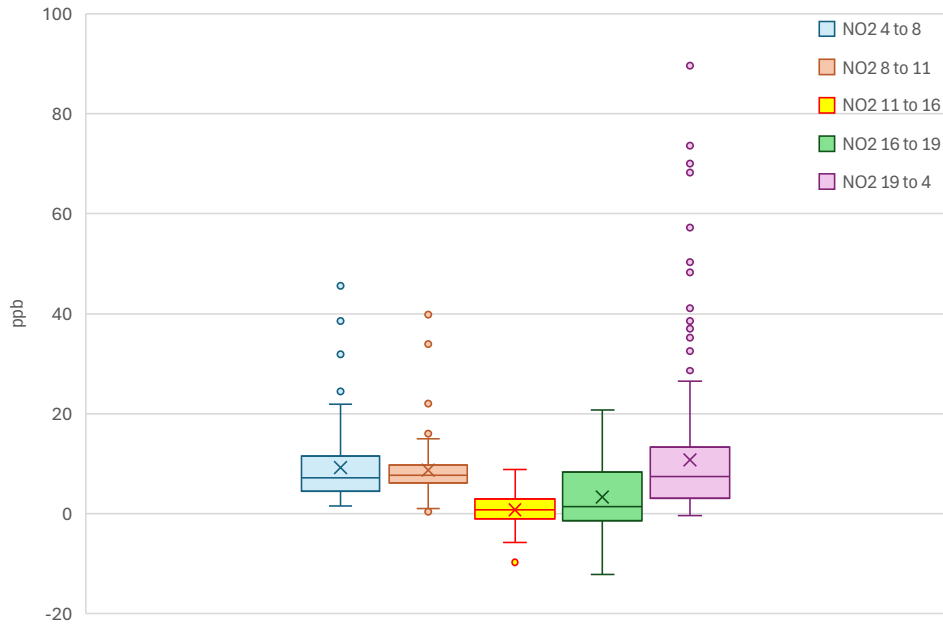
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act, 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.



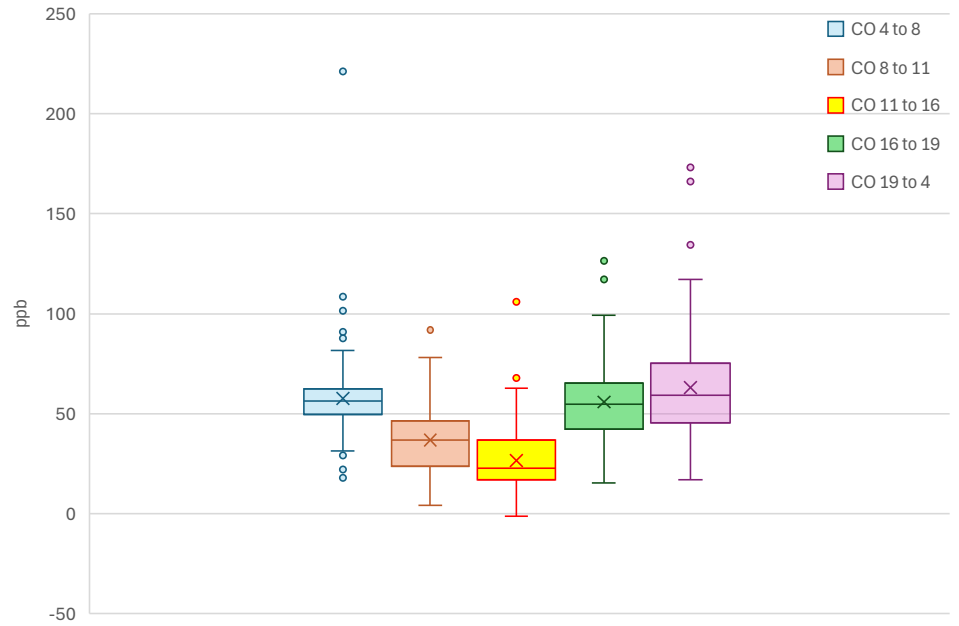
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	9.2	7.2	4.4	11.6	1.5	45.6	112
NO2 8 to 11	8.7	7.7	6.2	9.8	0.4	39.8	84
NO2 11 to 16	0.8	0.8	-1.0	3.0	-9.7	8.8	140
NO2 16 to 19	3.4	1.4	-1.4	8.3	-12.1	20.8	84
NO2 19 to 4	10.8	7.4	3.1	13.3	-0.4	89.6	252

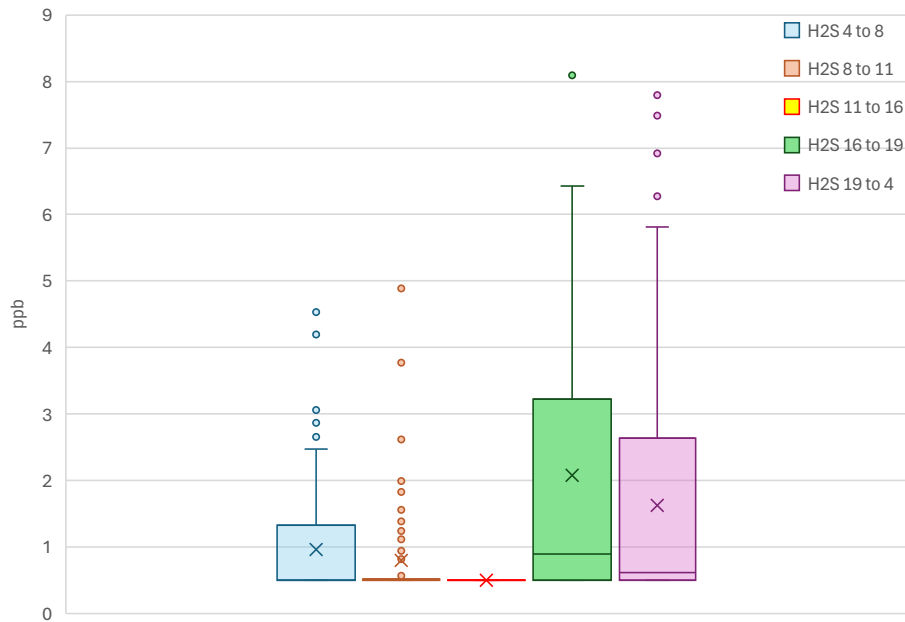
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	57.7	56.3	49.0	62.7	18.1	221.0	112
CO 8 to 11	36.7	36.8	23.7	46.4	4.2	91.7	84
CO 11 to 16	26.5	22.7	16.9	36.9	-1.2	106.1	140
CO 16 to 19	55.9	54.6	42.3	65.2	15.3	126.3	84
CO 19 to 4	63.0	59.2	45.2	75.7	17.0	174.7	252

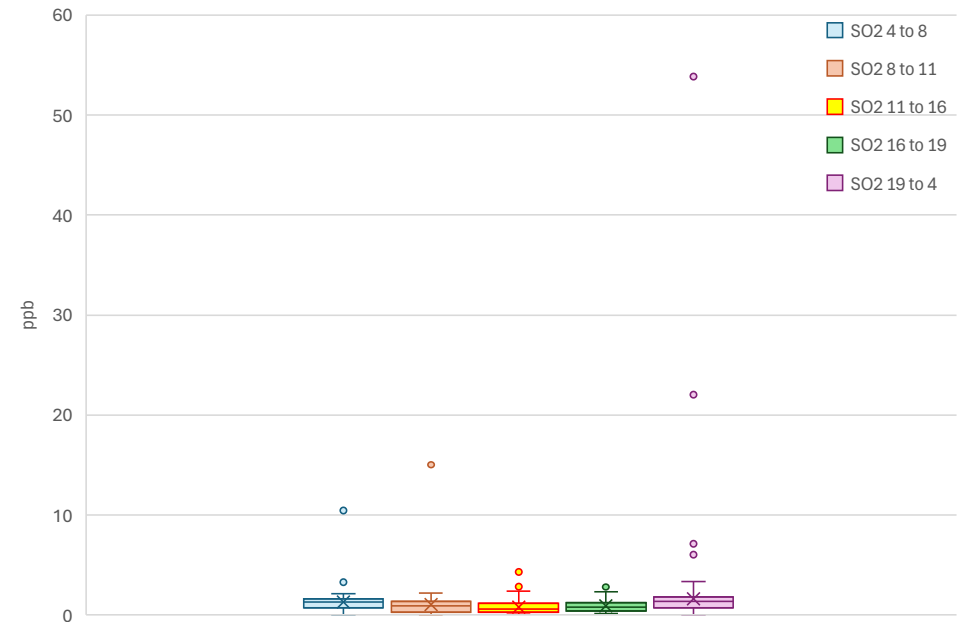
Hourly concentration distribution

H₂S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	1.0	0.5	0.5	1.0	0.0	4.5	112
H2S 8 to 11	0.8	0.5	0.5	0.6	0.5	4.9	84
H2S 11 to 16	0.5	0.5	0.5	0.5	0.5	0.5	140
H2S 16 to 19	2.1	0.9	0.5	3.3	0.5	8.1	84
H2S 19 to 4	1.6	0.6	0.5	2.7	0.5	7.9	252

SO₂ hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	1.3	1.3	0.8	1.6	0.0	10.4	112
SO2 8 to 11	1.0	0.9	0.3	1.4	0.0	15.0	84
SO2 11 to 16	0.8	0.6	0.3	1.2	0.1	4.3	140
SO2 16 to 19	0.9	0.8	0.4	1.2	0.2	2.8	84
SO2 19 to 4	1.6	1.4	0.8	1.8	0.0	53.9	252

H₂S data is not referenced and calibrated against regulatory monitor

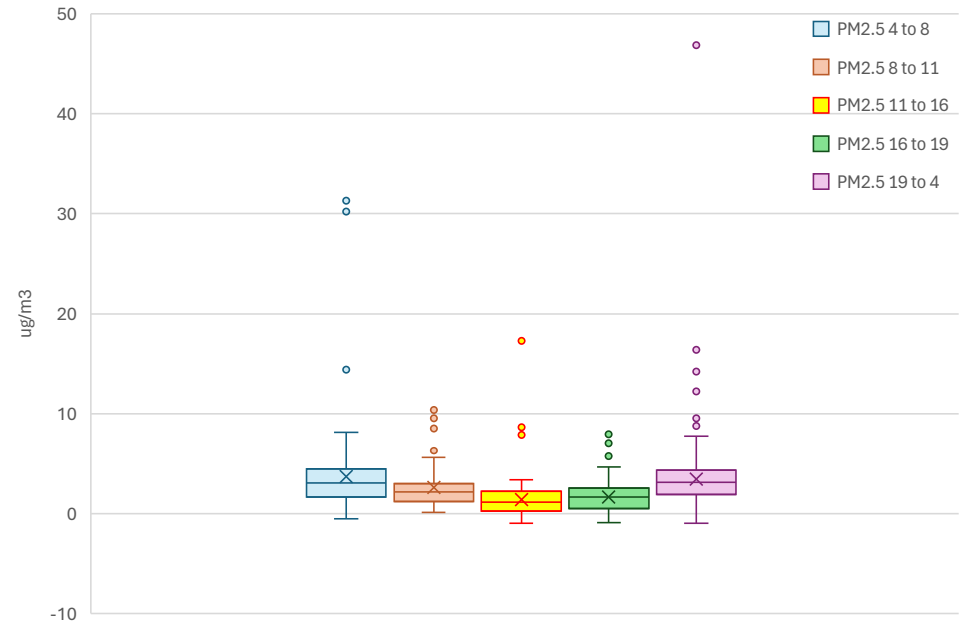
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	0.9	0.1	0.1	0.1	0.1	80.8	112
TVOC 8 to 11	0.1	0.1	0.1	0.1	0.1	3.5	84
TVOC 11 to 16	0.2	0.1	0.1	0.1	0.1	16.3	140
TVOC 16 to 19	0.7	0.1	0.1	0.1	0.1	21.5	84
TVOC 19 to 4	1.4	0.1	0.1	0.1	0.1	56.3	252

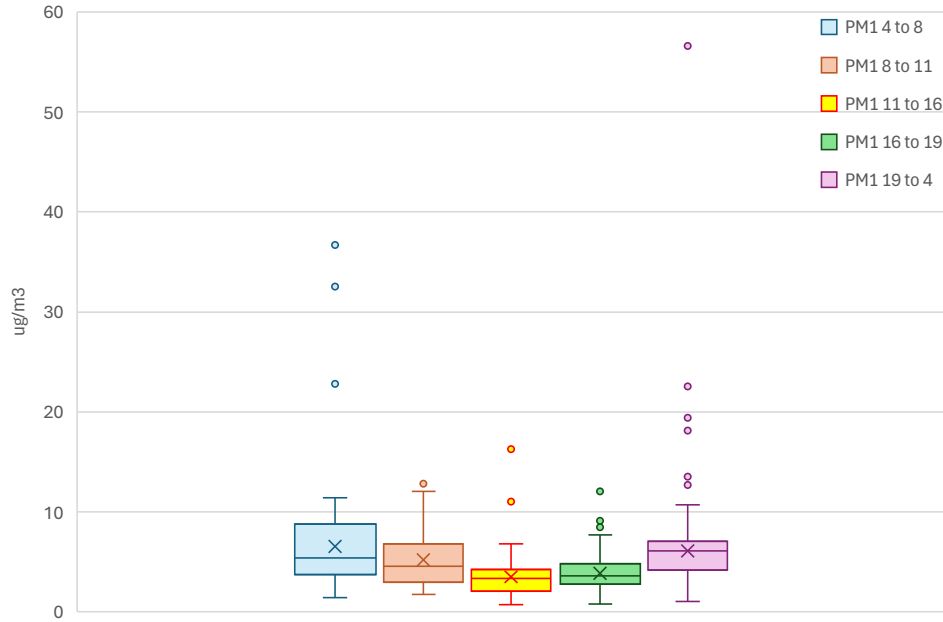
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	3.7	3.1	1.6	4.5	-0.5	31.3	112
PM2.5 8 to 11	2.6	2.2	1.2	3.0	0.1	10.4	84
PM2.5 11 to 16	1.4	1.2	0.3	2.3	-1.0	17.3	140
PM2.5 16 to 19	1.7	1.6	0.5	2.6	-0.9	8.3	84
PM2.5 19 to 4	3.5	3.1	1.9	4.3	-0.9	46.8	252

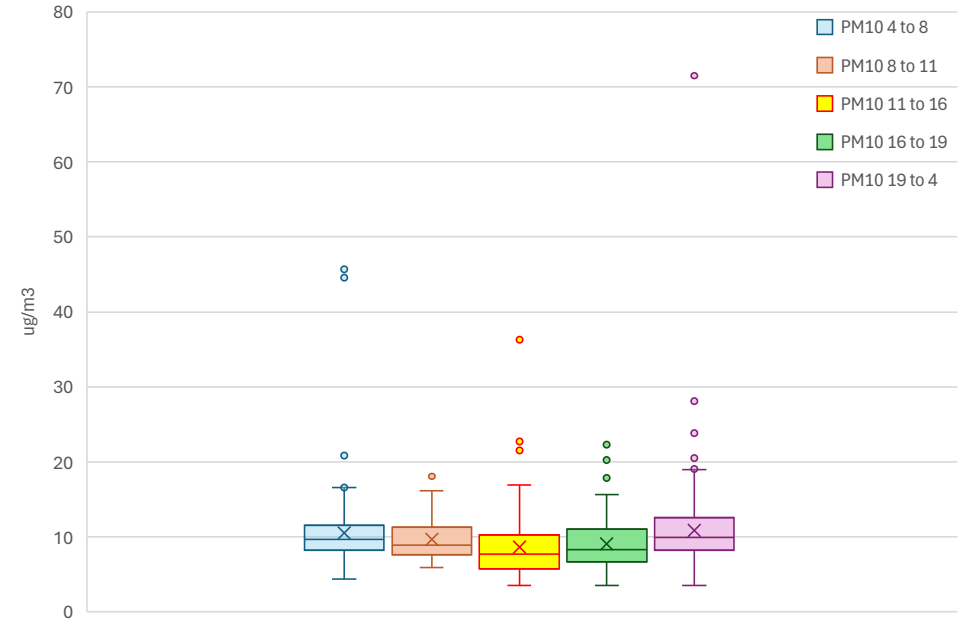
Hourly concentration distribution

PM1 hourly distribution



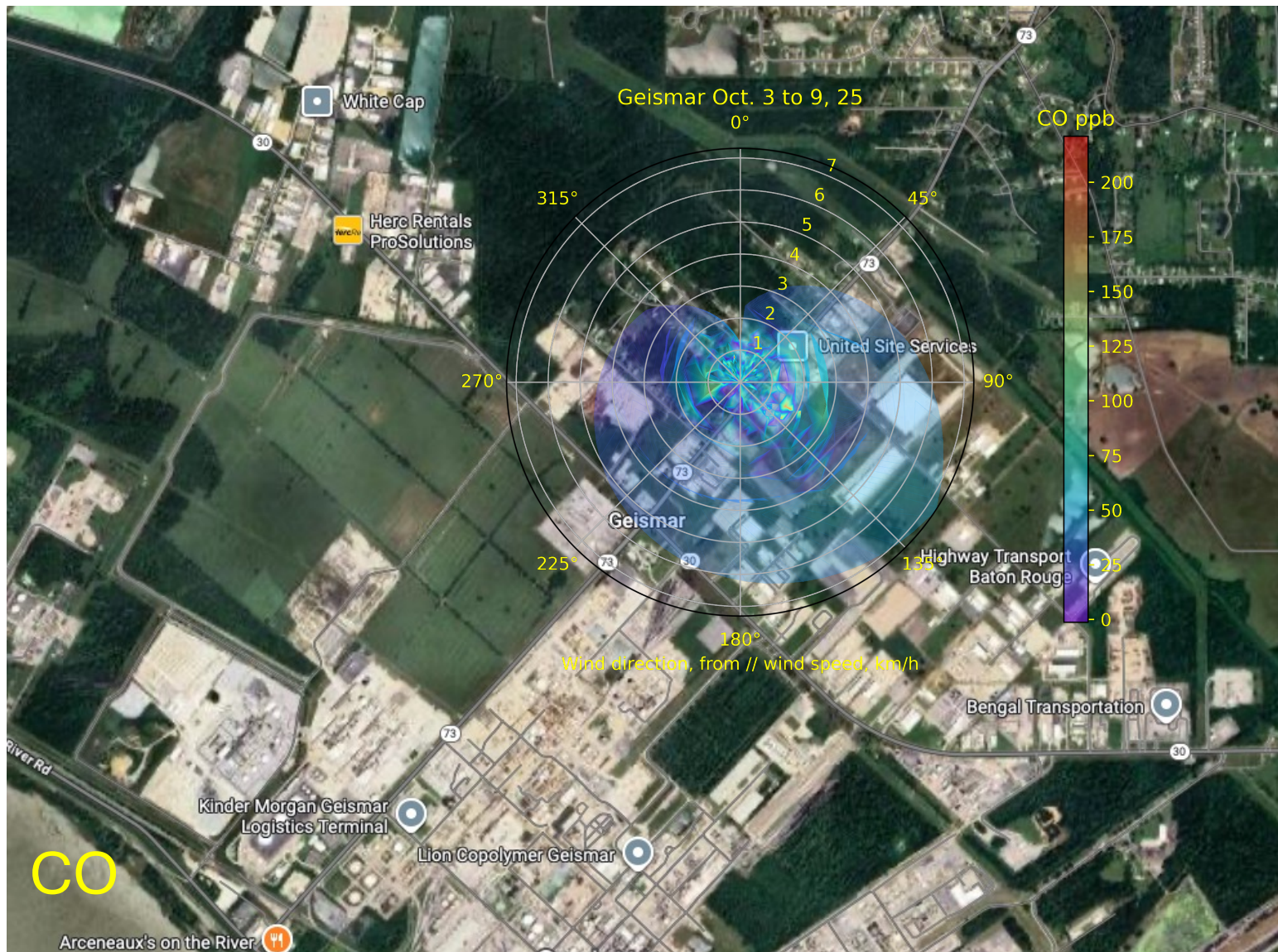
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM14to8	6.5	5.4	3.7	8.8	1.5	36.7	112
PM18to11	5.2	4.6	3.0	6.8	1.8	13.1	84
PM111to16	3.5	3.4	2.1	4.3	0.7	16.3	140
PM116to19	3.9	3.6	2.8	4.8	0.8	12.0	84
PM119to4	6.1	6.1	4.2	7.1	1.0	56.6	252

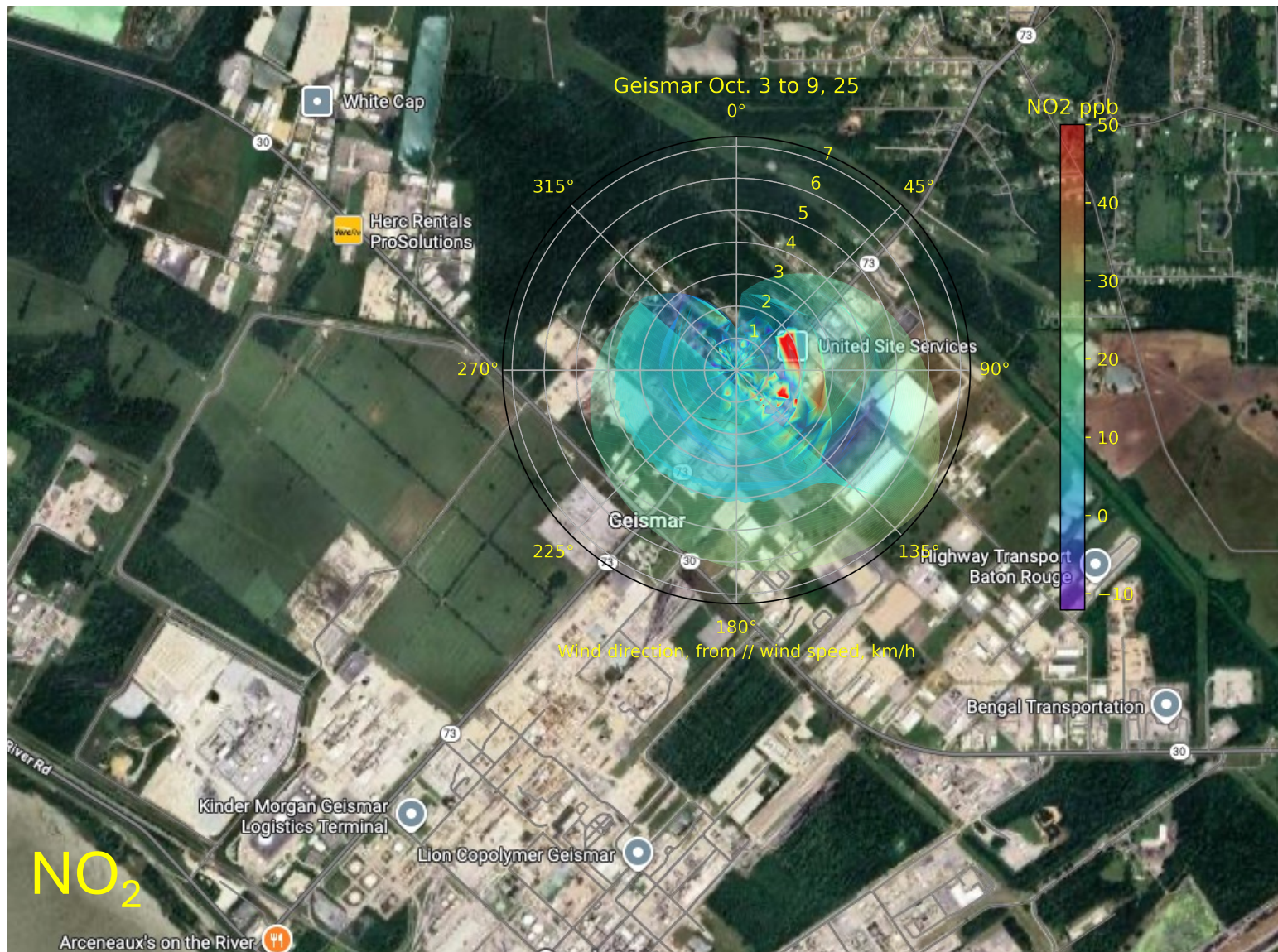
PM10 hourly distribution

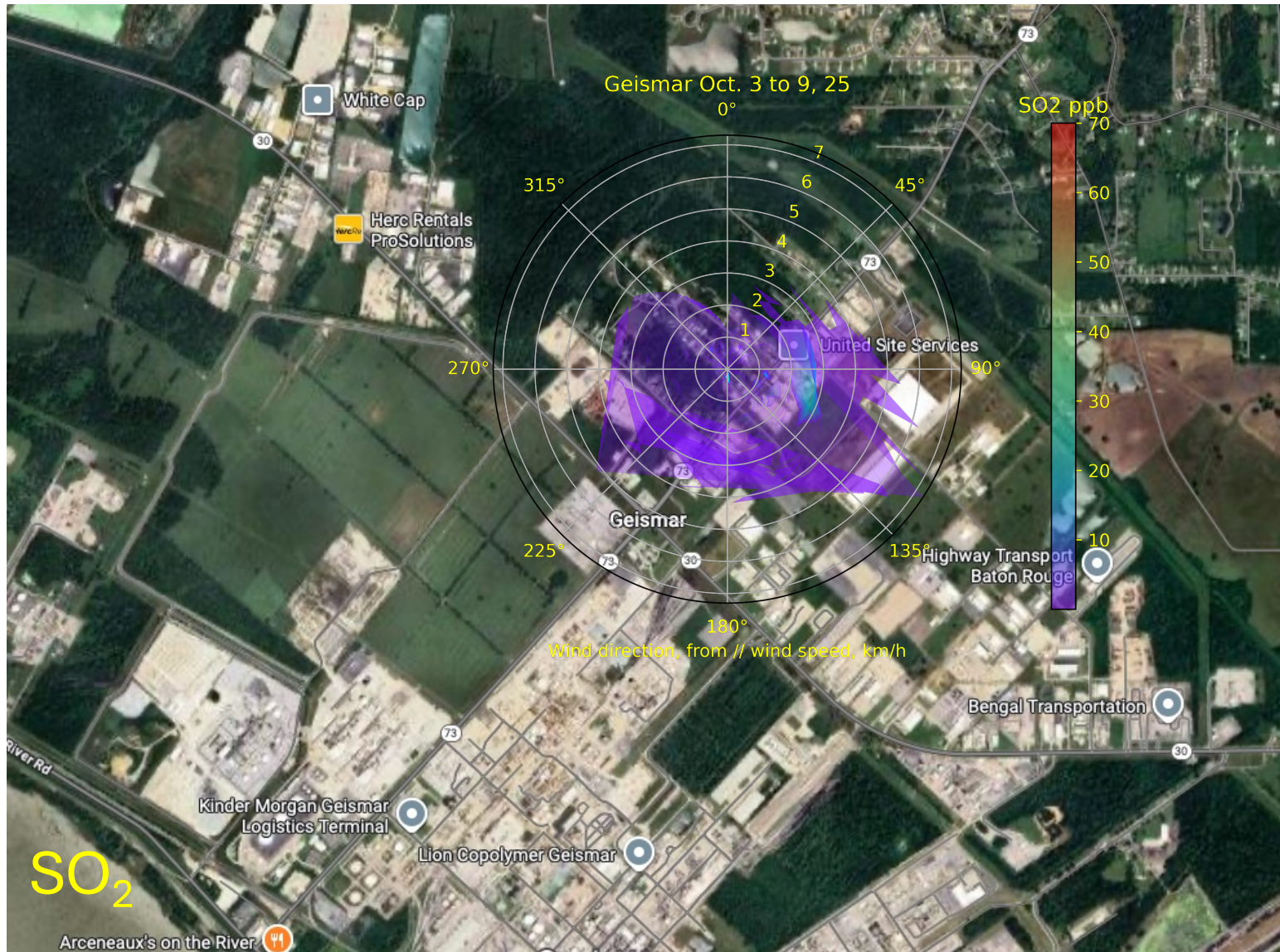


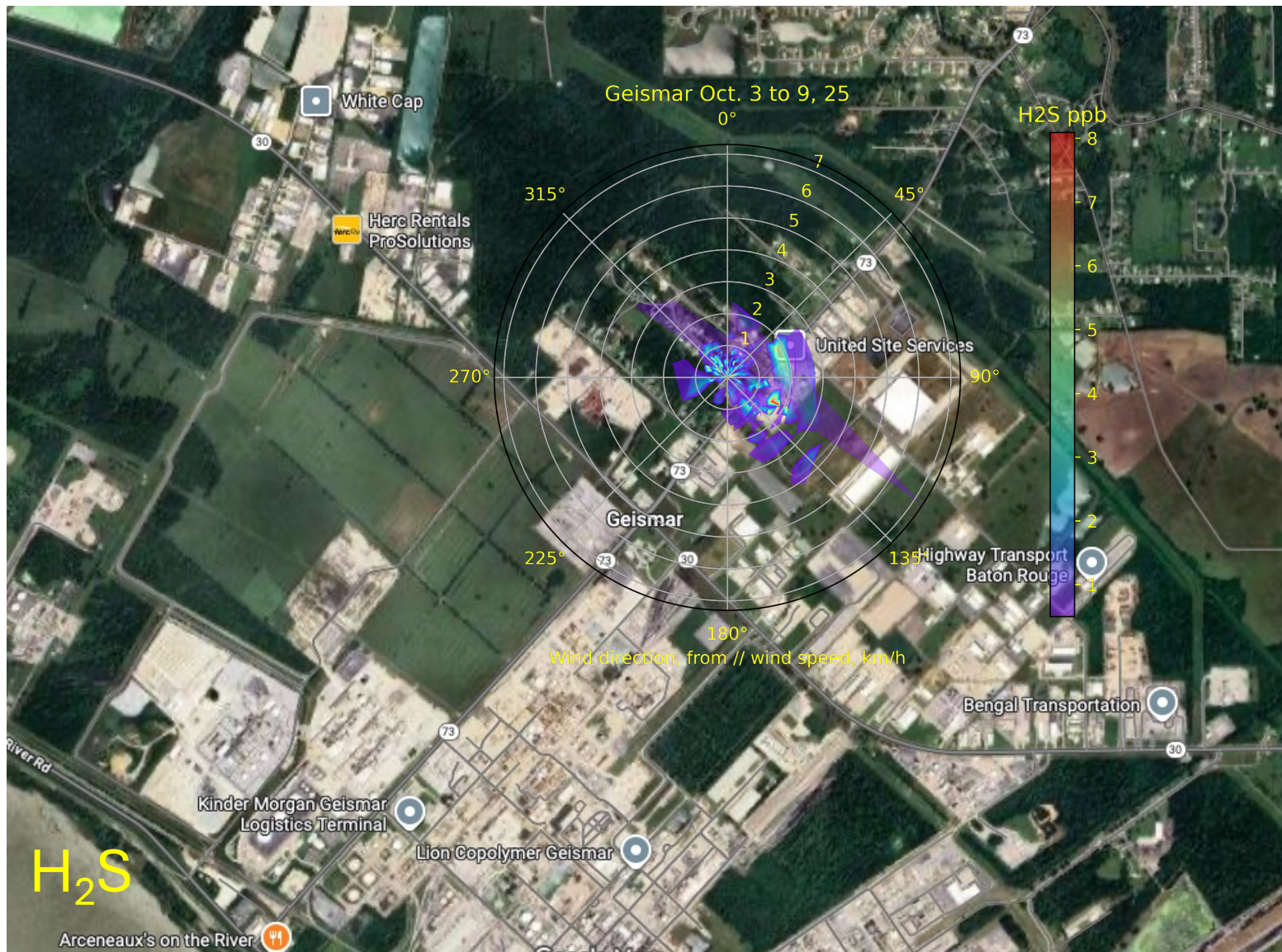
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM104to8	10.5	9.7	8.2	11.6	4.4	45.7	112
PM108to11	9.7	8.9	7.6	11.3	5.9	18.1	84
PM1011to16	8.6	7.7	5.8	10.3	3.6	36.3	140
PM1016to19	9.1	8.3	6.7	11.1	3.5	22.3	84
PM1019to4	10.9	9.9	8.3	12.6	3.5	71.5	252

PM₁ data is not referenced and calibrated against regulatory monitor

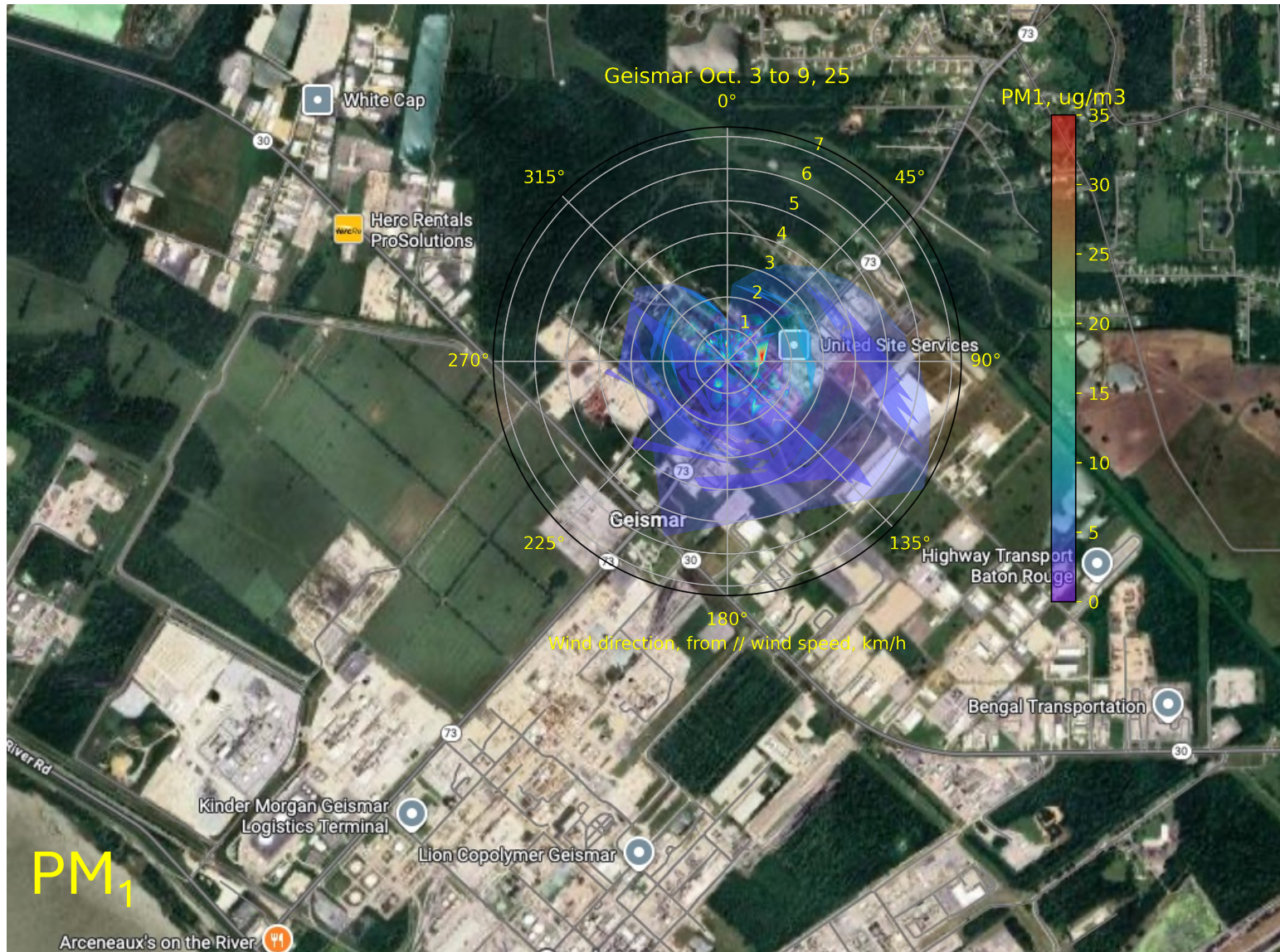


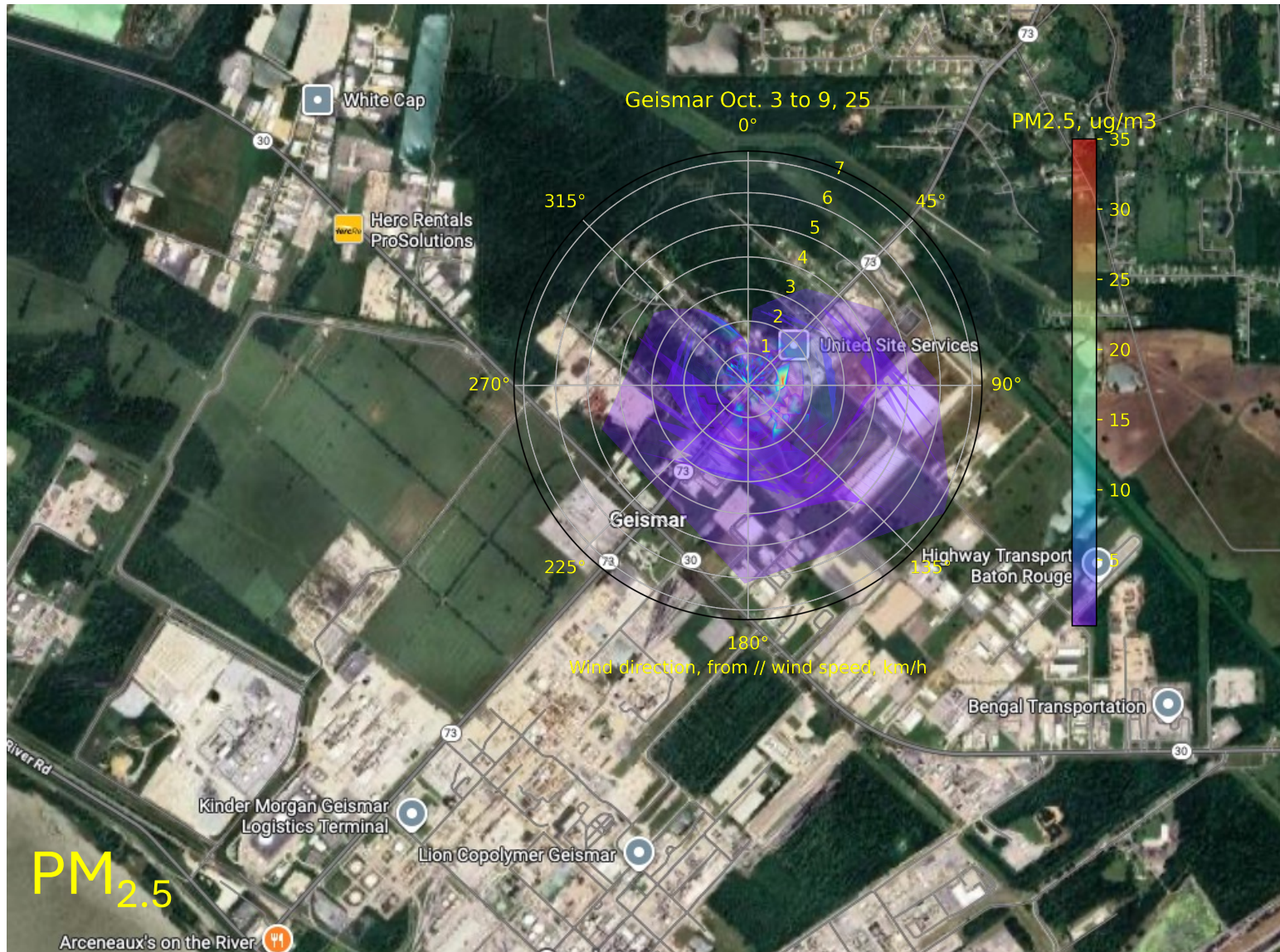


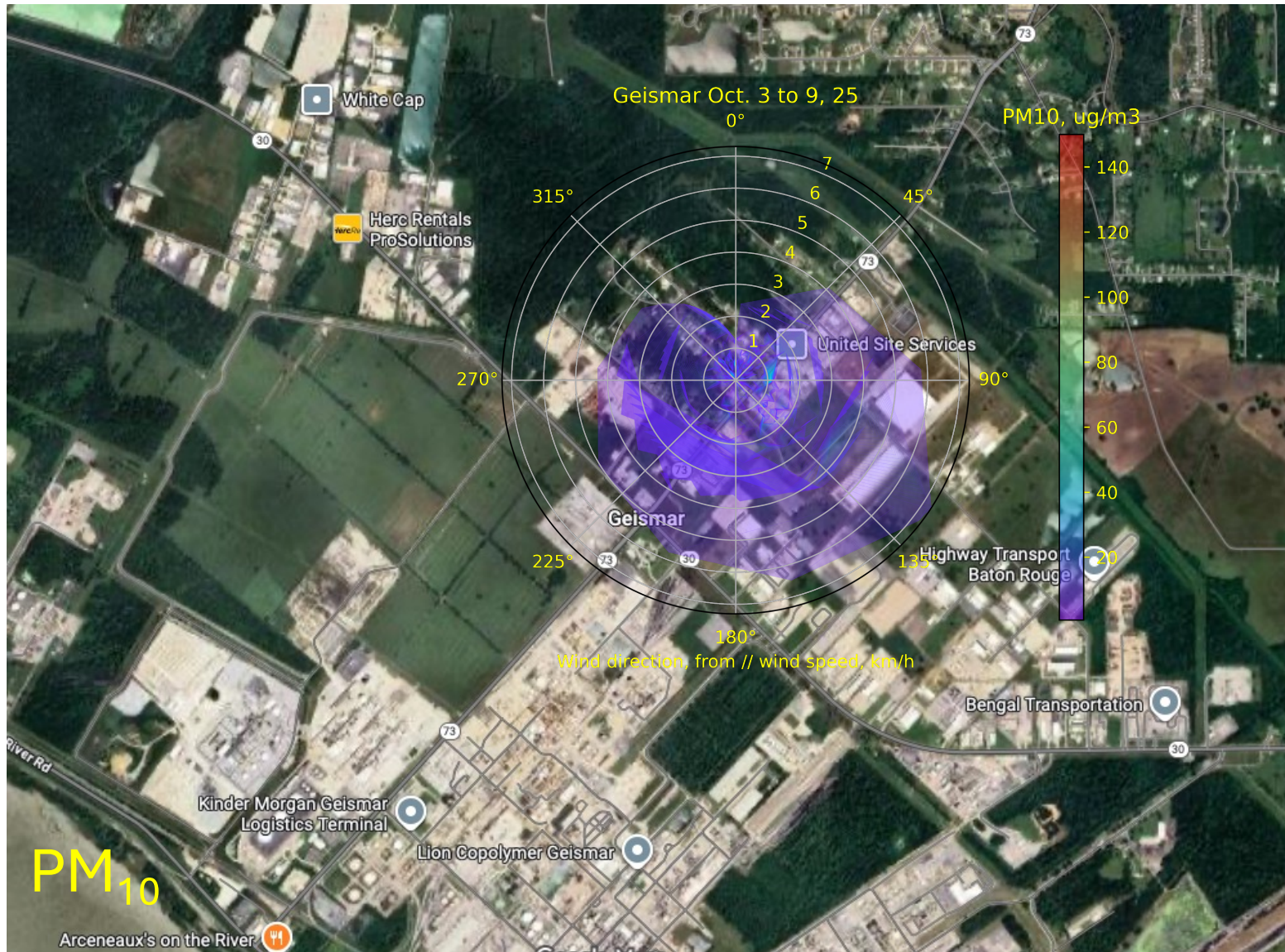












GEISMAR POD 10/03-10/09

- 2 directions of TVOC plume
 - One from South East, at night 10/6-10/7
 - Smaller from South West
- Multiple PM2.5 spikes from East direction

