

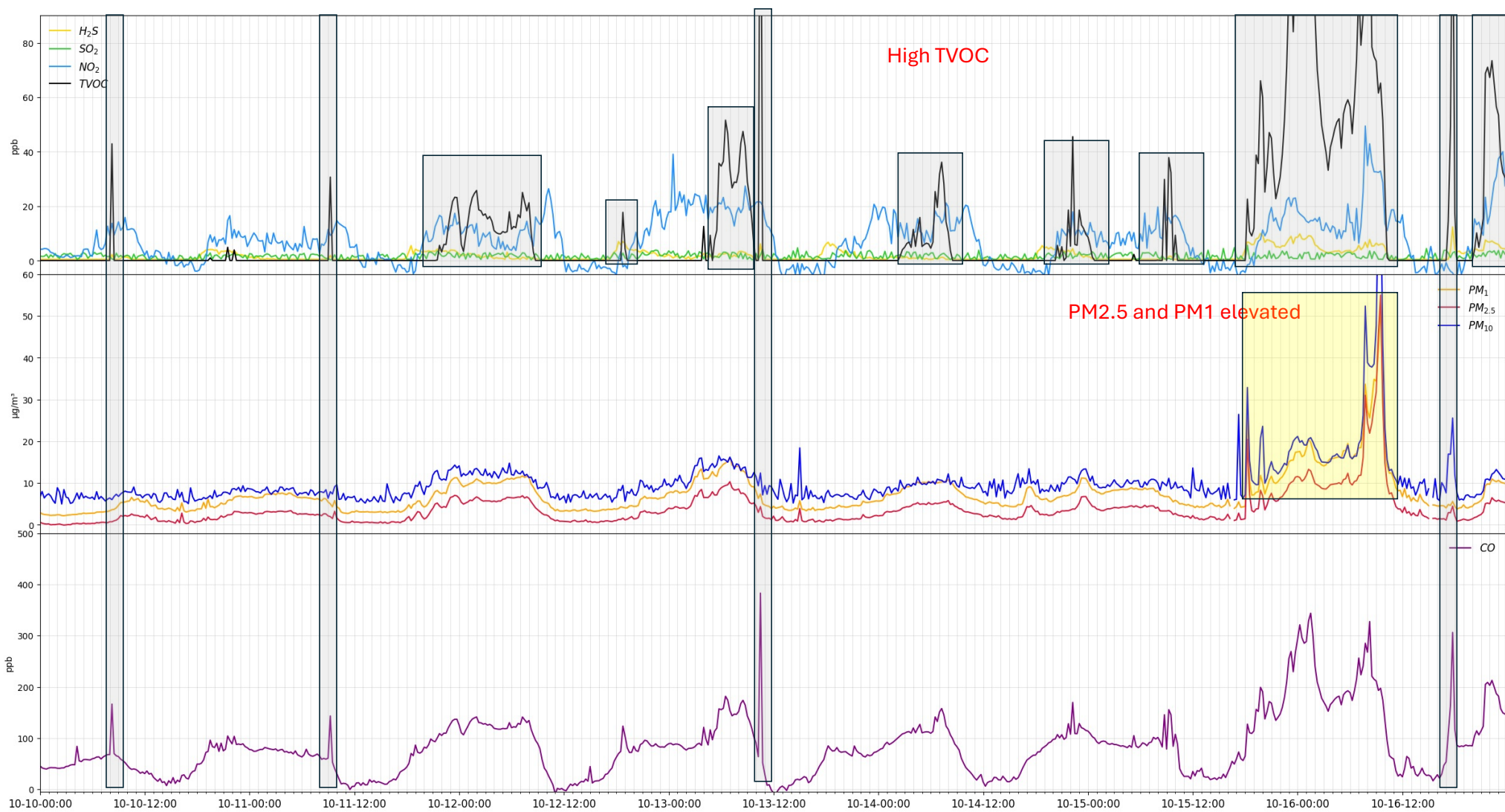
Geismar POD

October 10 – 16, 2025

Disclaimer

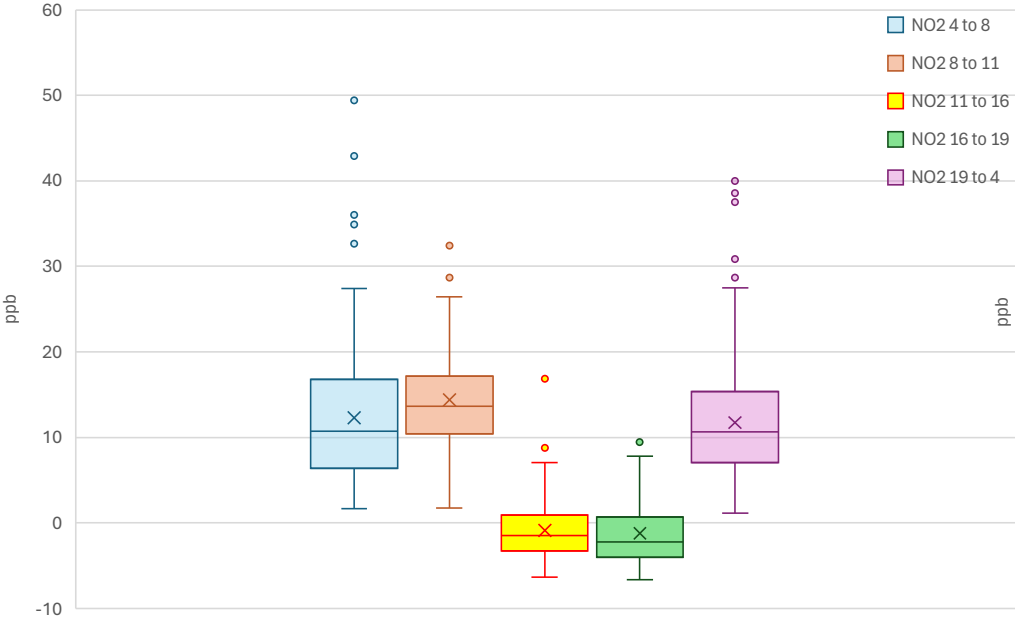
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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

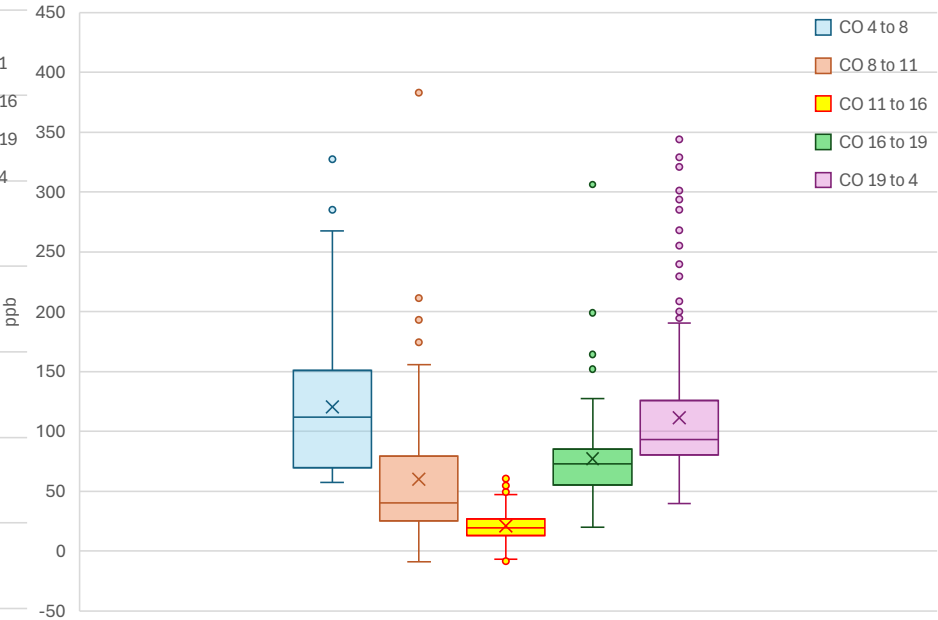


Hourly concentration distribution

NO2 hourly distribution

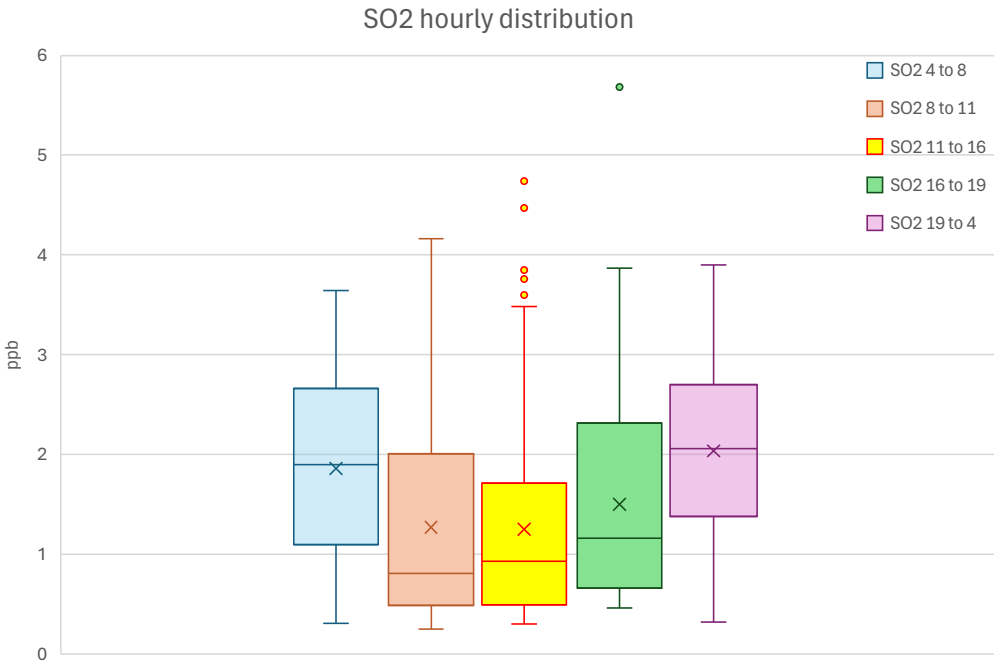
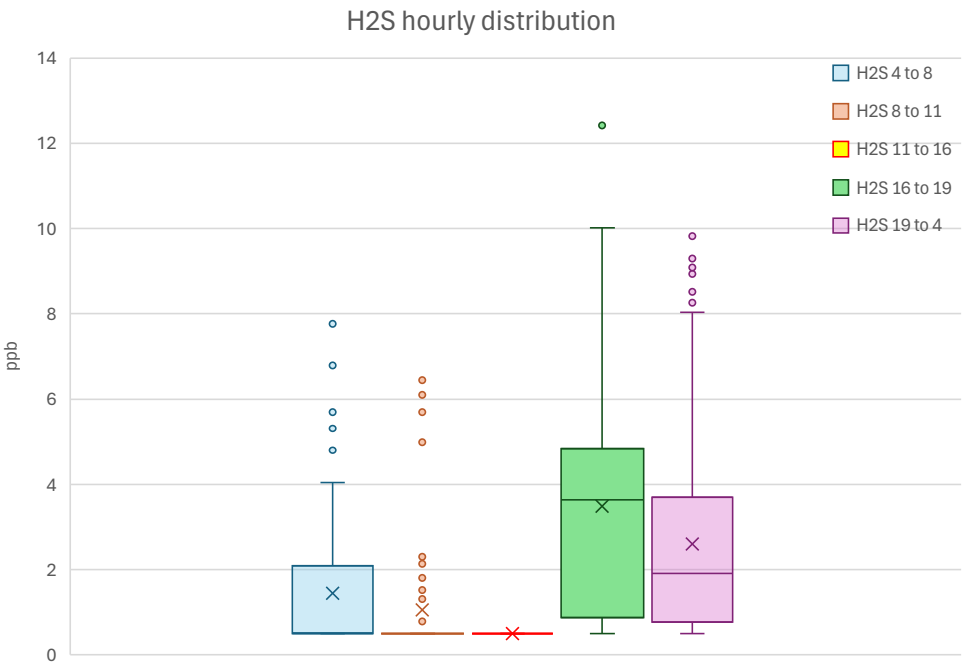


CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points	ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	12.3	10.8	6.3	17.2	1.6	49.4	112	CO 4 to 8	120.7	112.2	69.3	151.6	57.4	327.5	112
NO2 8 to 11	14.4	13.7	10.4	17.2	1.8	32.9	84	CO 8 to 11	60.0	40.3	25.4	79.2	-8.8	383.0	84
NO2 11 to 16	-0.9	-1.4	-3.2	0.9	-6.3	16.9	140	CO 11 to 16	20.9	19.3	13.3	26.9	-8.5	64.2	140
NO2 16 to 19	-1.2	-2.3	-4.0	0.7	-6.6	9.5	84	CO 16 to 19	77.1	72.7	55.1	85.4	20.3	306.2	84
NO2 19 to 4	11.7	10.7	7.0	15.4	1.1	40.0	252	CO 19 to 4	111.6	93.1	80.1	126.5	39.7	343.8	252

Hourly concentration distribution

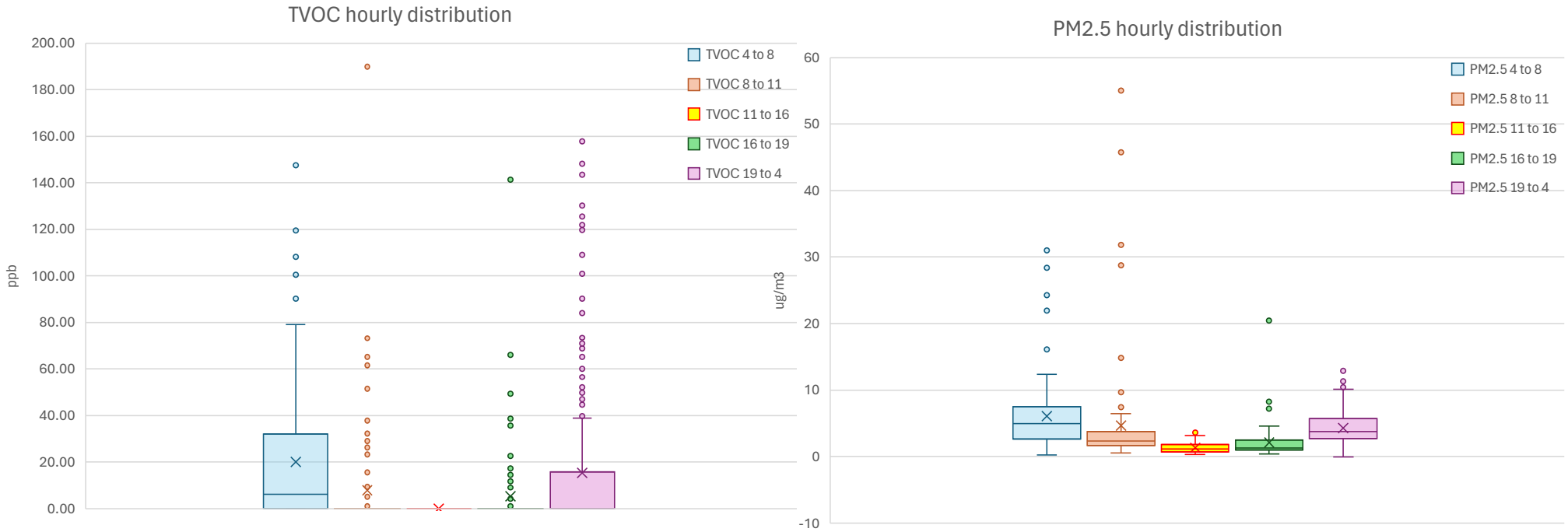


ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	1.4	0.5	0.5	1.8	0.0	7.8	112
H2S 8 to 11	1.1	0.5	0.5	0.5	0.5	6.4	84
H2S 11 to 16	0.5	0.5	0.5	0.5	0.5	0.5	140
H2S 16 to 19	3.5	3.6	0.7	4.9	0.5	12.4	84
H2S 19 to 4	2.6	1.9	0.8	3.7	0.5	9.8	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	1.9	1.9	1.1	2.7	0.3	3.6	112
SO2 8 to 11	1.3	0.8	0.5	2.0	0.3	4.2	84
SO2 11 to 16	1.3	0.9	0.5	1.7	0.3	4.8	140
SO2 16 to 19	1.5	1.2	0.7	2.3	0.5	5.7	84
SO2 19 to 4	2.0	2.1	1.4	2.7	0.3	3.9	252

H₂S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution

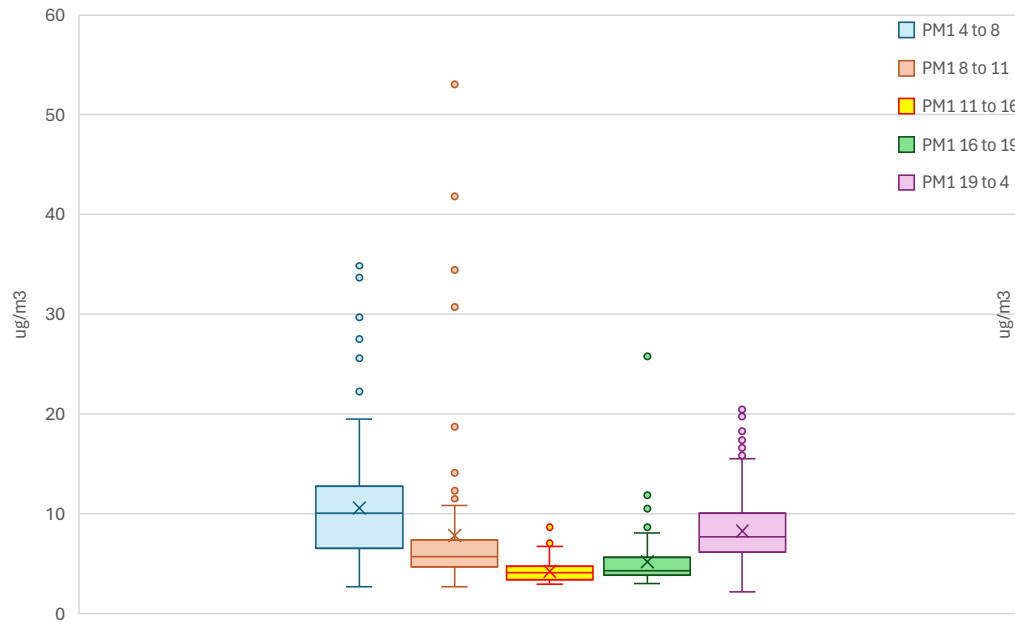


ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	20.1	6.3	0.1	32.4	0.1	147.5	112
TVOC 8 to 11	7.8	0.1	0.1	0.1	0.1	189.8	84
TVOC 11 to 16	0.1	0.1	0.1	0.1	0.1	0.1	140
TVOC 16 to 19	5.3	0.1	0.1	0.1	0.1	141.4	84
TVOC 19 to 4	15.4	0.1	0.1	15.9	0.1	157.8	252

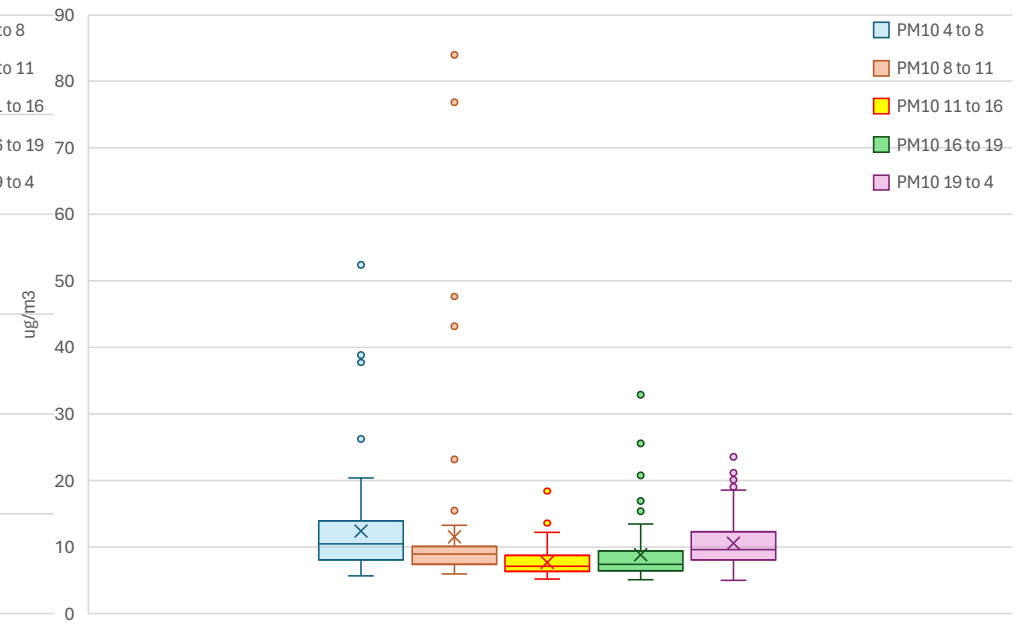
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	6.1	5.0	2.6	7.6	0.3	31.0	112
PM2.5 8 to 11	4.7	2.4	1.7	3.7	0.5	55.0	84
PM2.5 11 to 16	1.3	1.2	0.7	1.8	0.3	4.2	138
PM2.5 16 to 19	2.1	1.3	1.0	2.5	0.4	20.5	84
PM2.5 19 to 4	4.3	3.8	2.7	5.7	-0.1	13.3	252

Hourly concentration distribution

PM1 hourly distribution

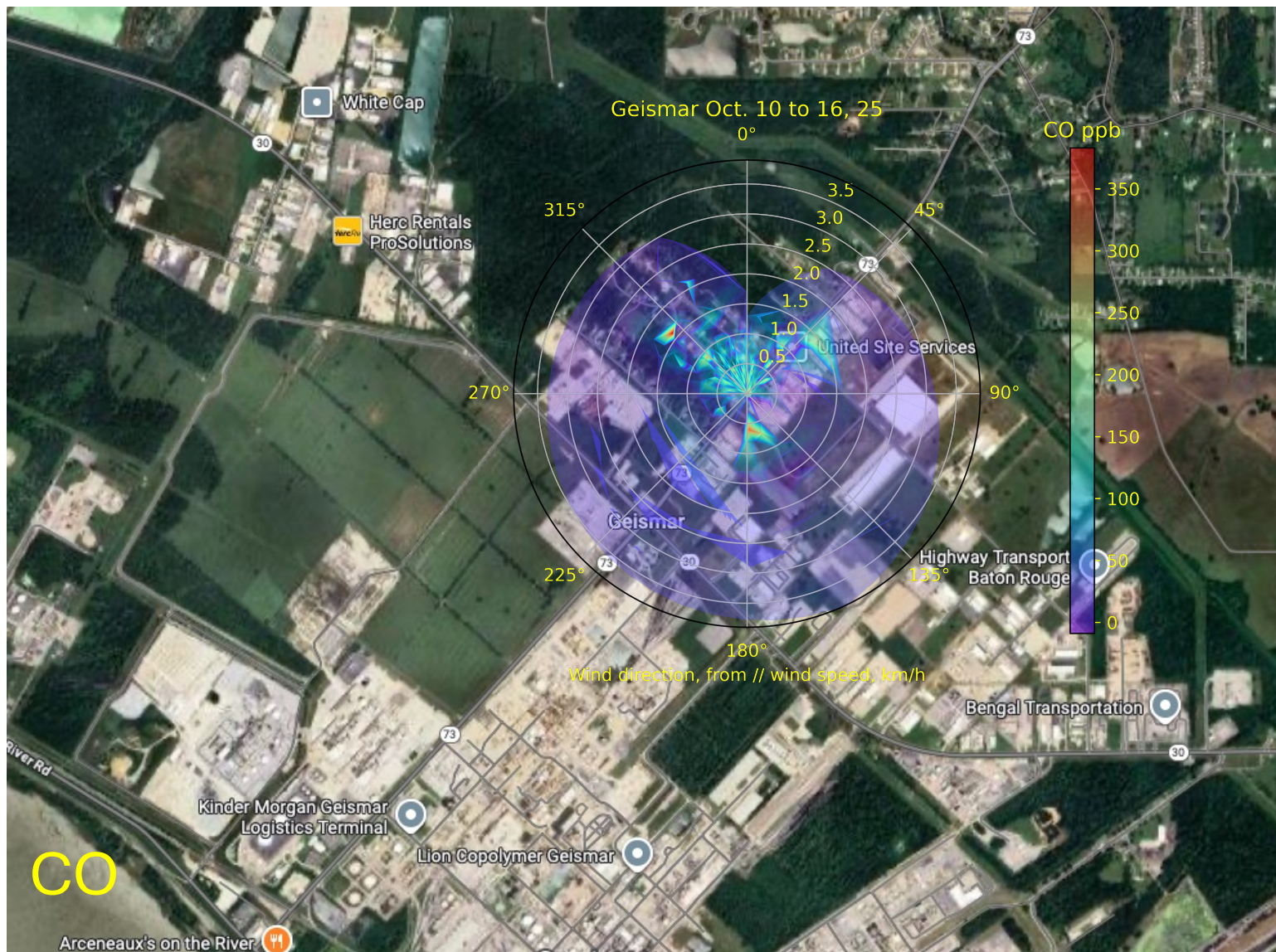


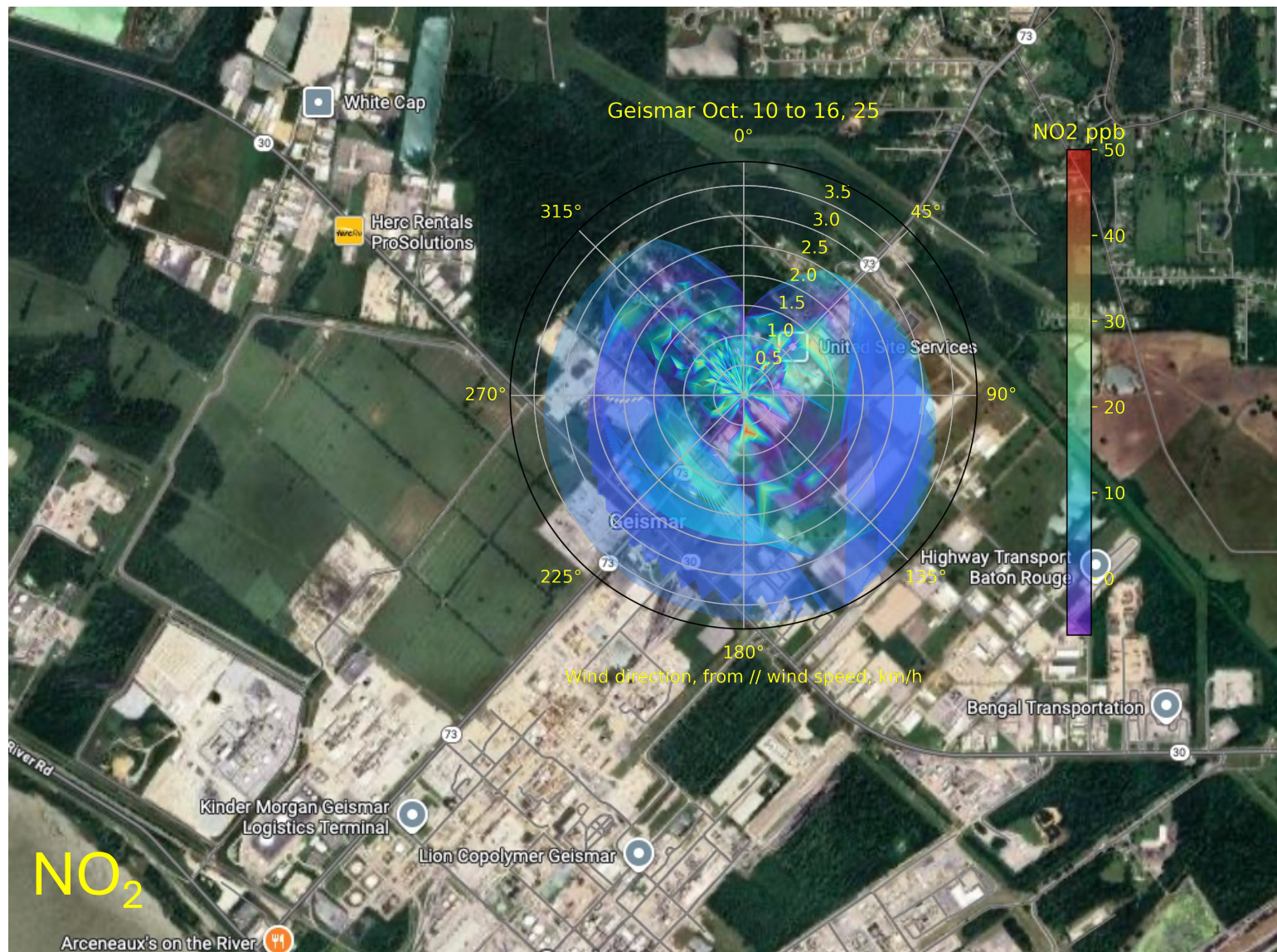
PM10 hourly distribution

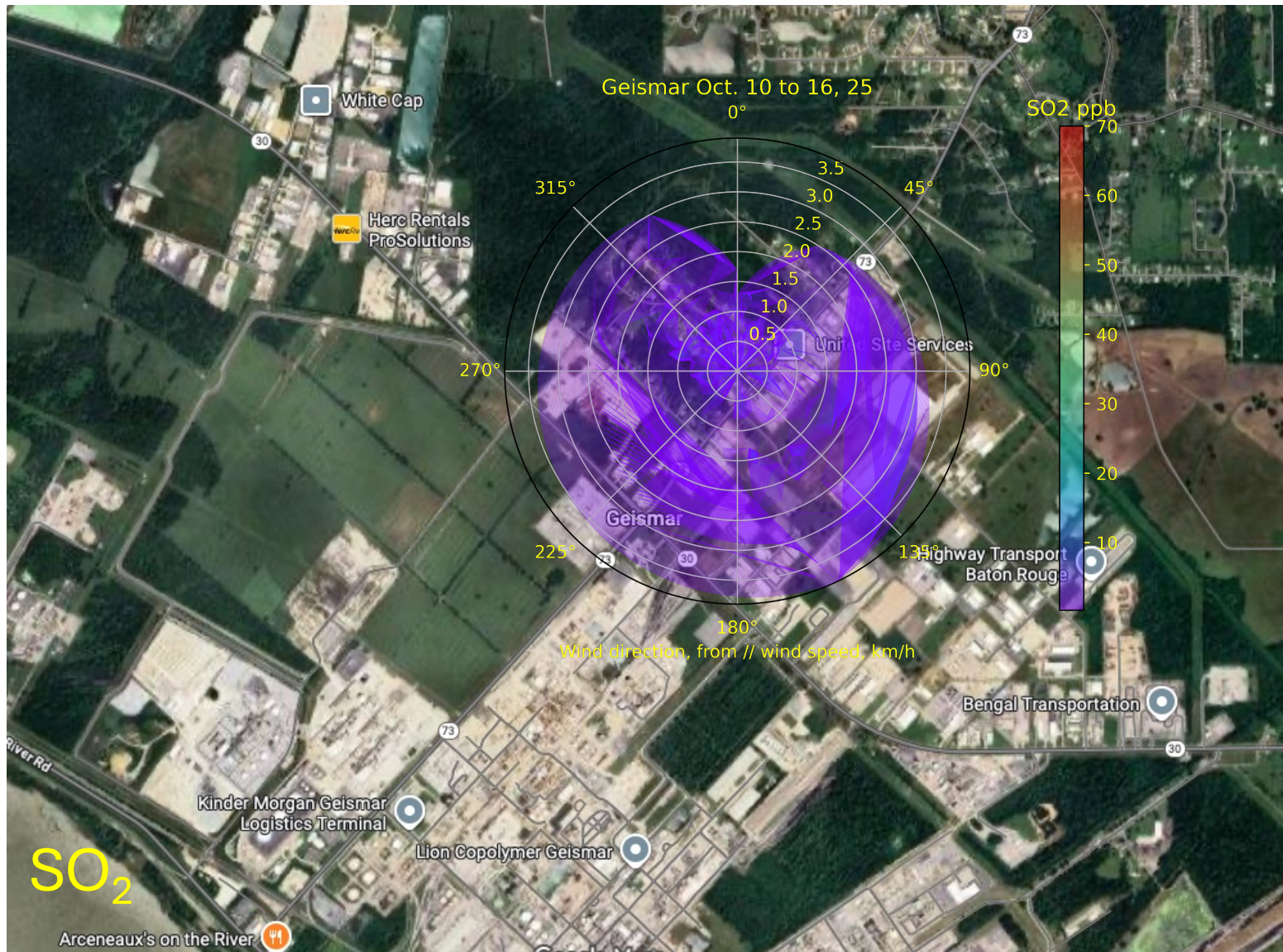


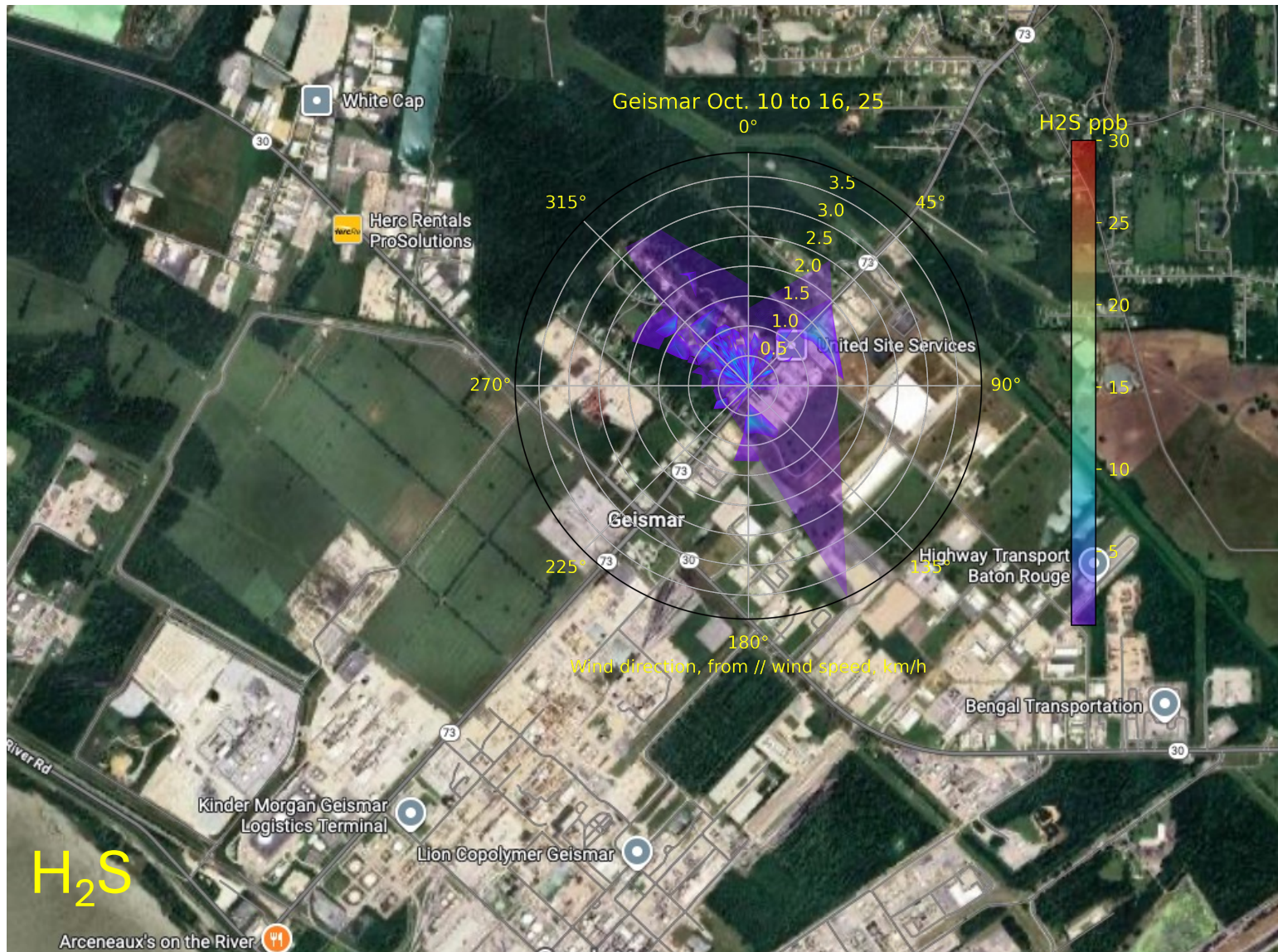
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points	ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	10.6	10.1	6.5	12.8	2.7	34.9	112	PM10 4 to 8	12.4	10.5	8.0	14.2	5.7	52.4	112
PM1 8 to 11	7.8	5.7	4.7	7.4	2.7	53.1	84	PM10 8 to 11	11.6	8.9	7.4	10.1	5.9	84.0	84
PM1 11 to 16	4.2	4.1	3.4	4.7	2.9	8.7	138	PM10 11 to 16	7.7	7.1	6.3	8.7	5.2	18.4	138
PM1 16 to 19	5.2	4.3	3.8	5.7	3.0	25.8	84	PM10 16 to 19	8.8	7.4	6.4	9.5	5.1	32.9	84
PM1 19 to 4	8.3	7.7	6.2	10.0	2.2	20.5	252	PM10 19 to 4	10.6	9.6	8.0	12.3	5.0	23.6	252

PM₁ data is not referenced and calibrated against regulatory monitor

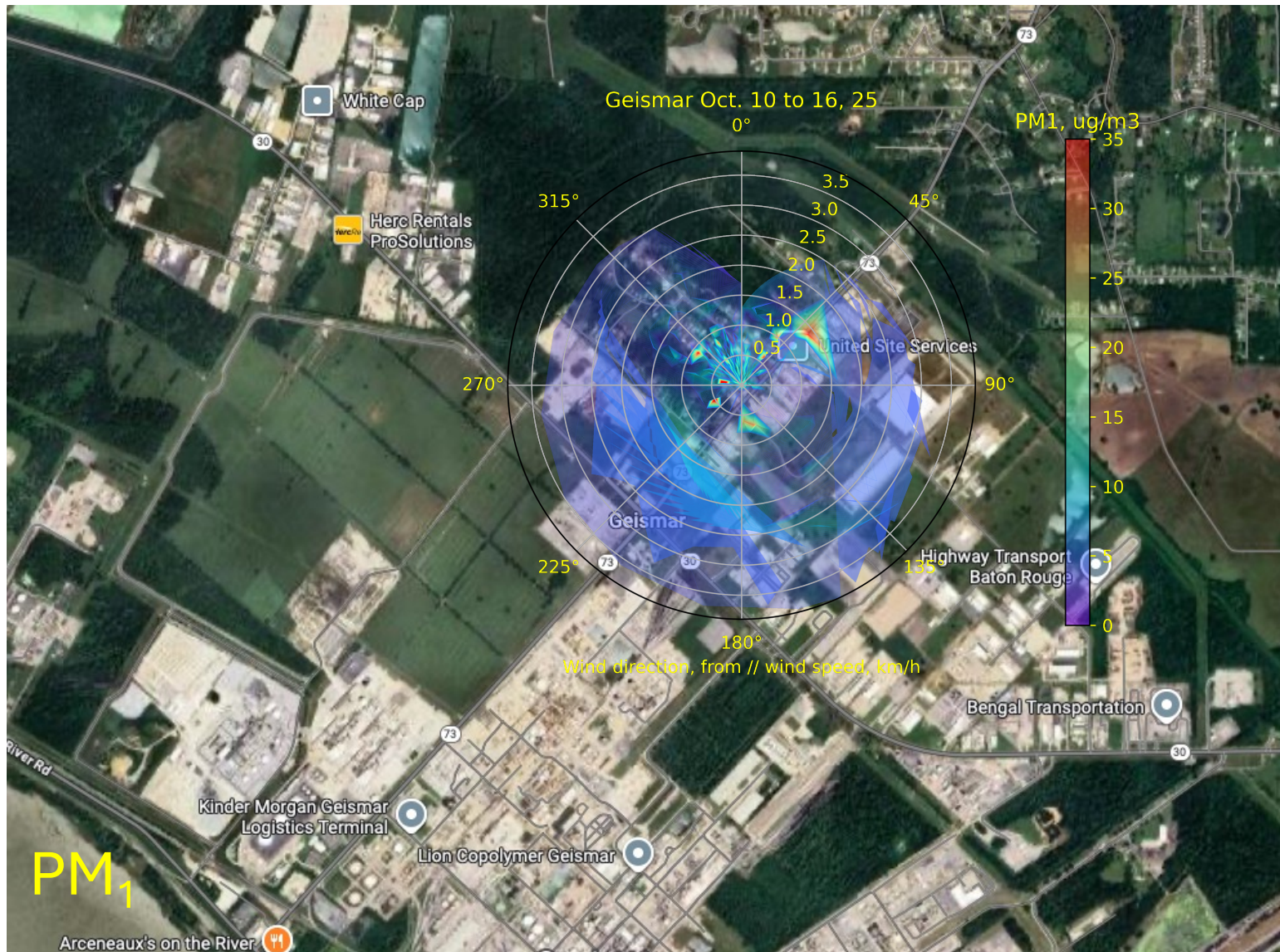


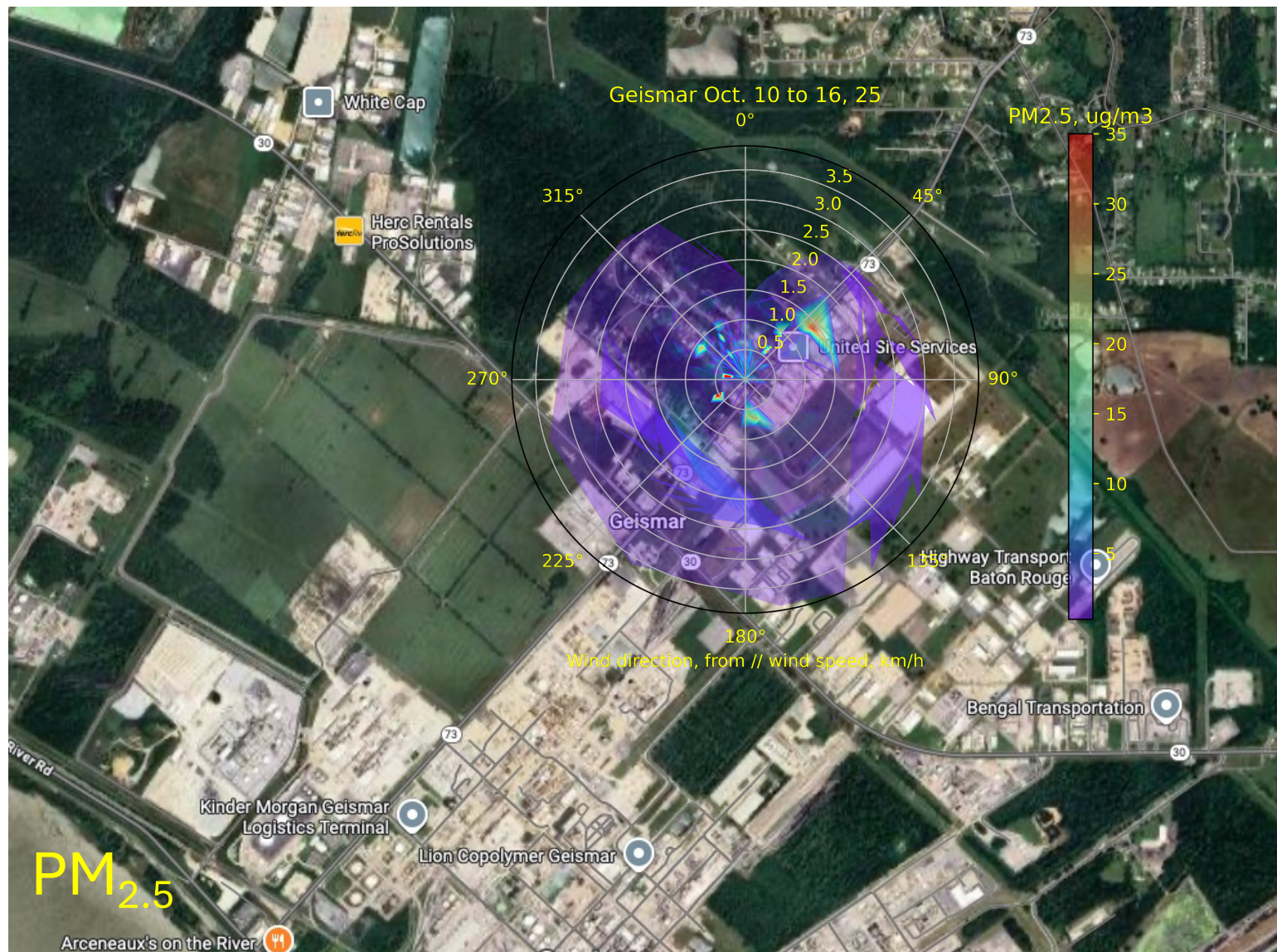


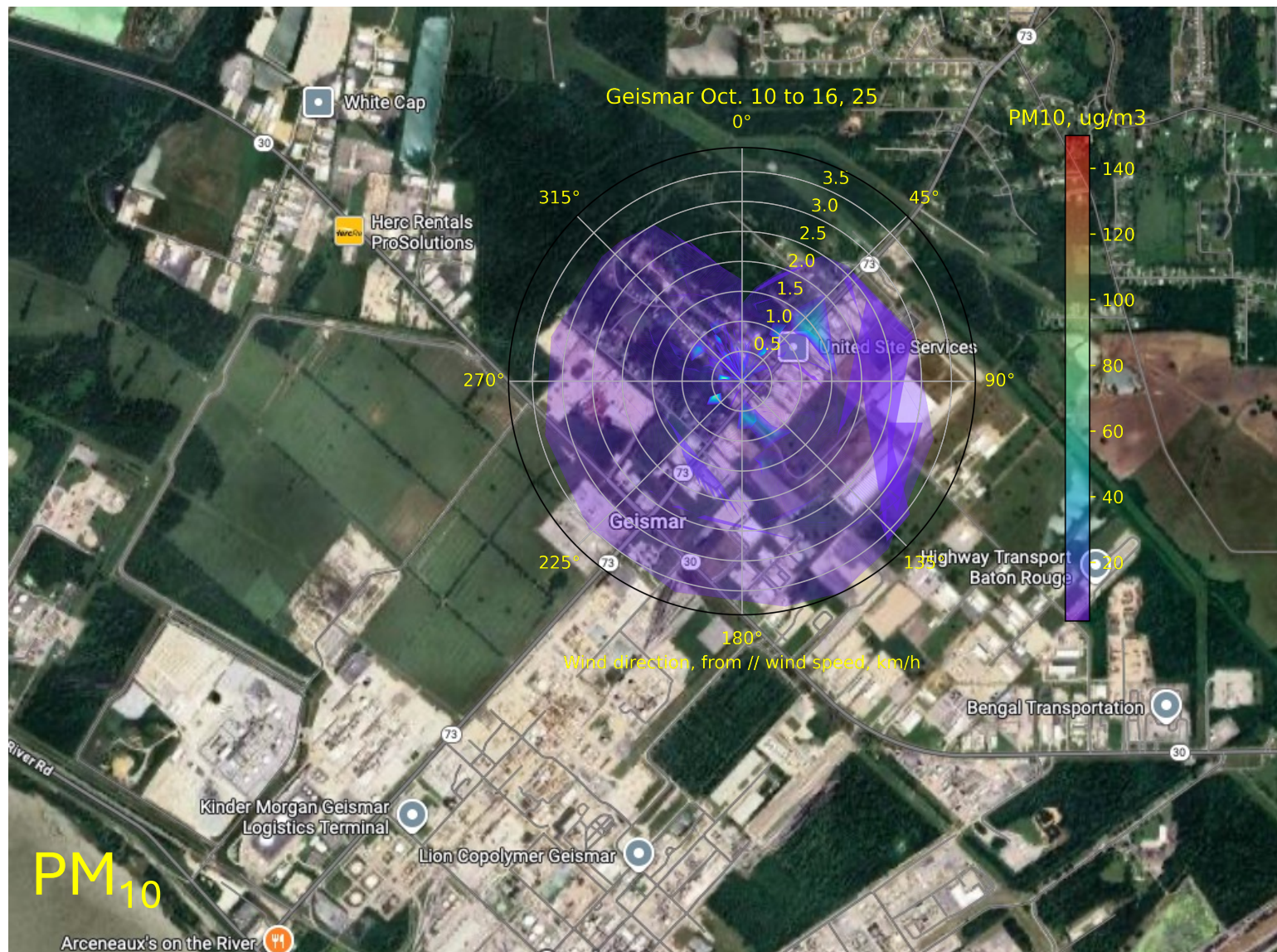












GEISMAR POD 10/10-10/16

- 2 directions of TVOC plume
- from South, and from NorthWest, resulting in a prolonged times with high
- Between Oct 15 6:30PM and Oct 16/ 10 am average TVOC concentration was 66 ppb
- Combustion TVOC and PM 2.5 from North-East

