

Geismar POD

September 19-25, 2025

Disclaimer

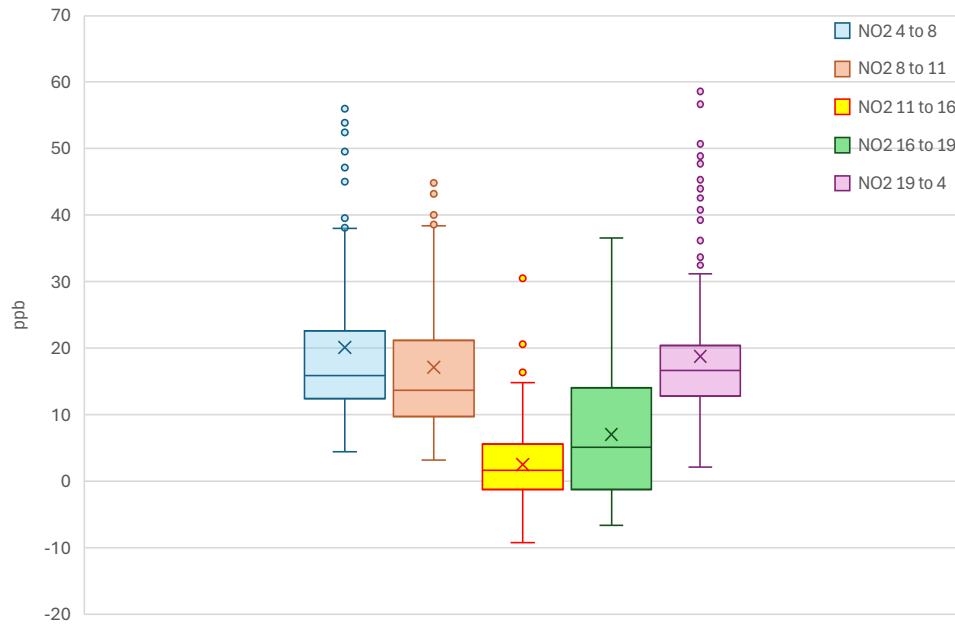
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



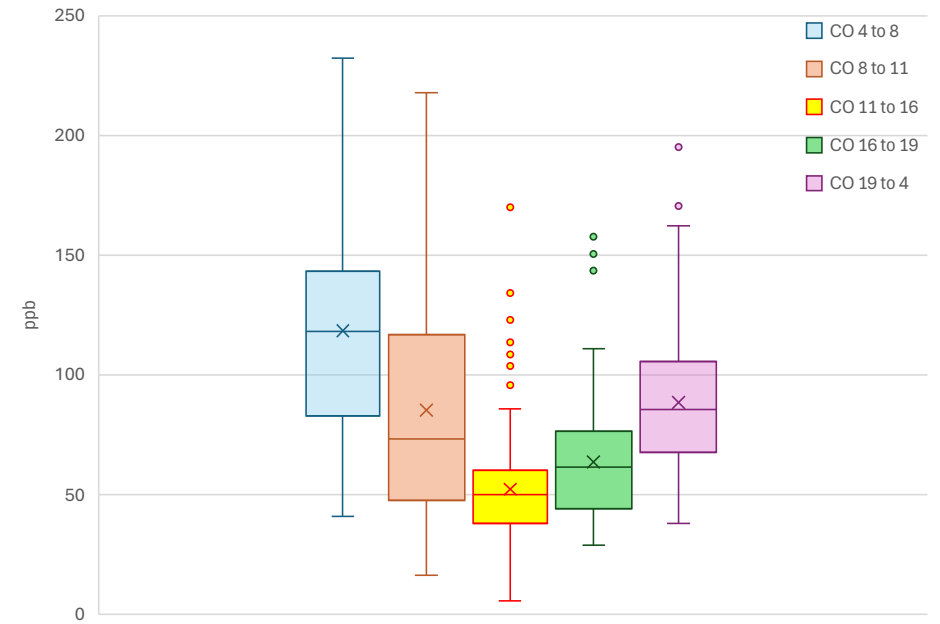
Hourly concentration distribution

NO2 hourly distribution



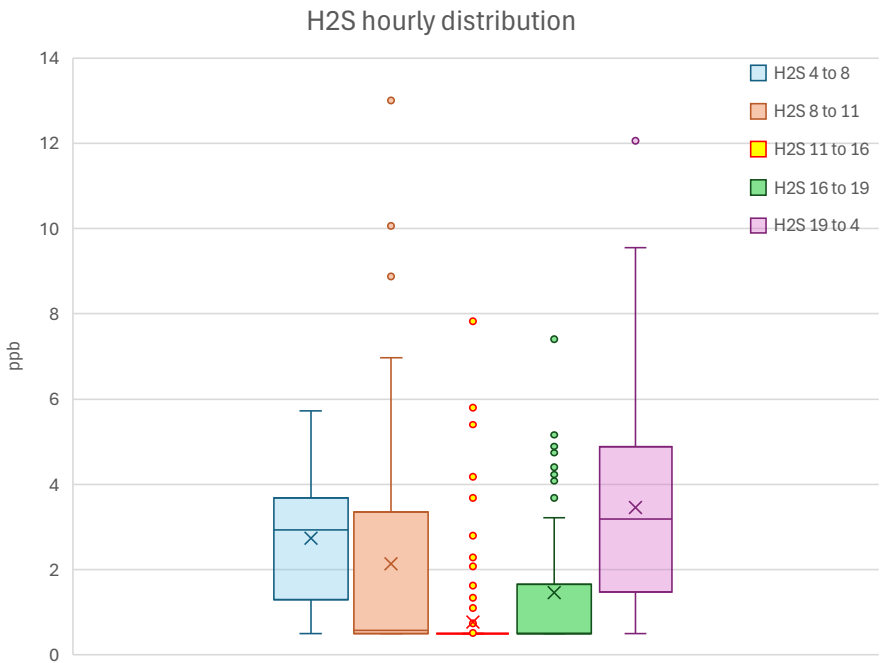
ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	20.1	15.9	12.2	22.9	4.4	56.0	112
NO2 8 to 11	17.1	13.7	9.7	21.2	3.2	44.8	84
NO2 11 to 16	2.5	1.6	-1.3	5.6	-9.2	30.5	140
NO2 16 to 19	7.1	5.1	-1.2	14.1	-6.7	36.6	84
NO2 19 to 4	18.8	16.7	12.8	20.5	2.1	58.6	252

CO hourly distribution

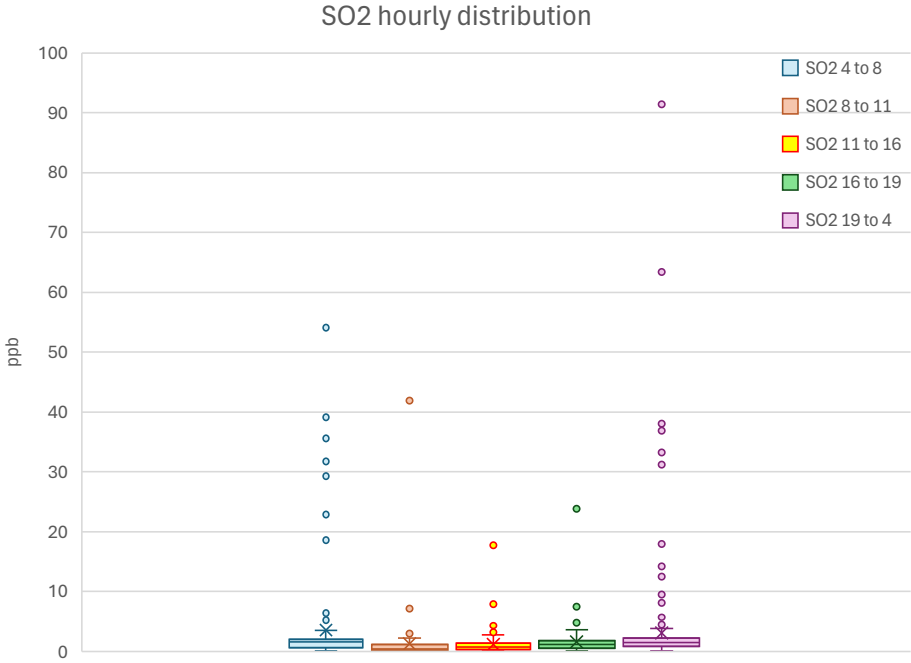


ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	118.5	118.2	80.7	148.5	40.9	232.2	112
CO 8 to 11	85.2	73.3	47.7	116.8	16.3	217.8	84
CO 11 to 16	52.2	50.0	38.0	60.1	5.5	170.1	140
CO 16 to 19	63.6	61.5	44.0	76.4	28.8	157.6	84
CO 19 to 4	88.4	85.4	67.5	105.7	37.8	195.1	252

Hourly concentration distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	2.7	2.9	1.3	3.7	0.5	5.7	112
H2S 8 to 11	2.1	0.6	0.5	3.4	0.5	13.0	84
H2S 11 to 16	0.8	0.5	0.5	0.5	0.5	7.8	140
H2S 16 to 19	1.5	0.5	0.5	1.7	0.5	7.4	84
H2S 19 to 4	3.5	3.2	1.5	4.9	0.5	12.1	252

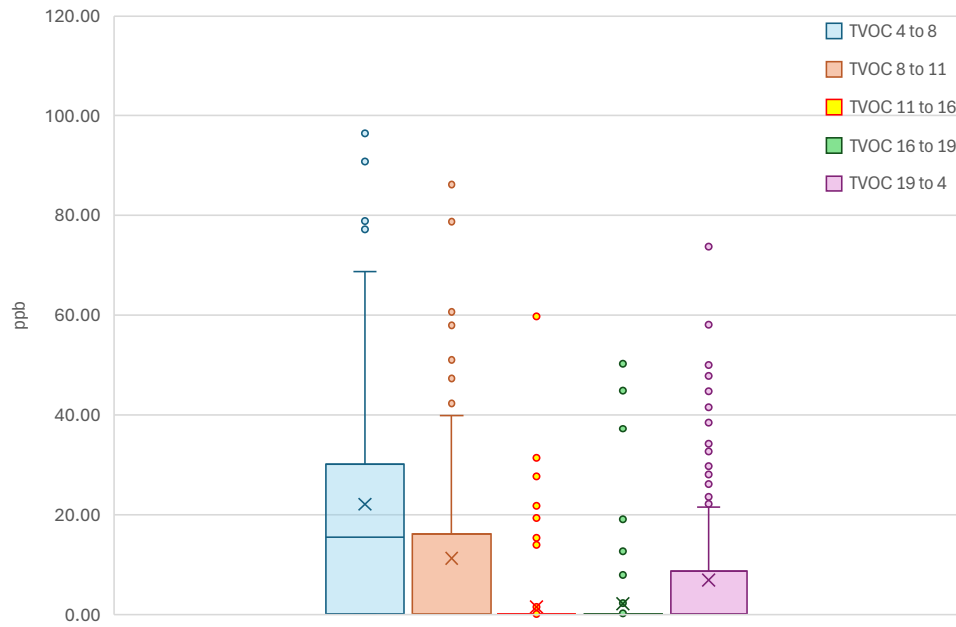


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	3.6	1.6	0.6	2.0	0.1	54.1	112
SO2 8 to 11	1.3	0.5	0.2	1.2	0.1	41.9	84
SO2 11 to 16	1.2	0.7	0.3	1.4	0.1	17.7	140
SO2 16 to 19	1.6	1.1	0.5	1.8	0.1	23.9	84
SO2 19 to 4	3.1	1.5	0.8	2.2	0.2	91.4	252

H₂S data is not referenced and calibrated against regulatory monitor

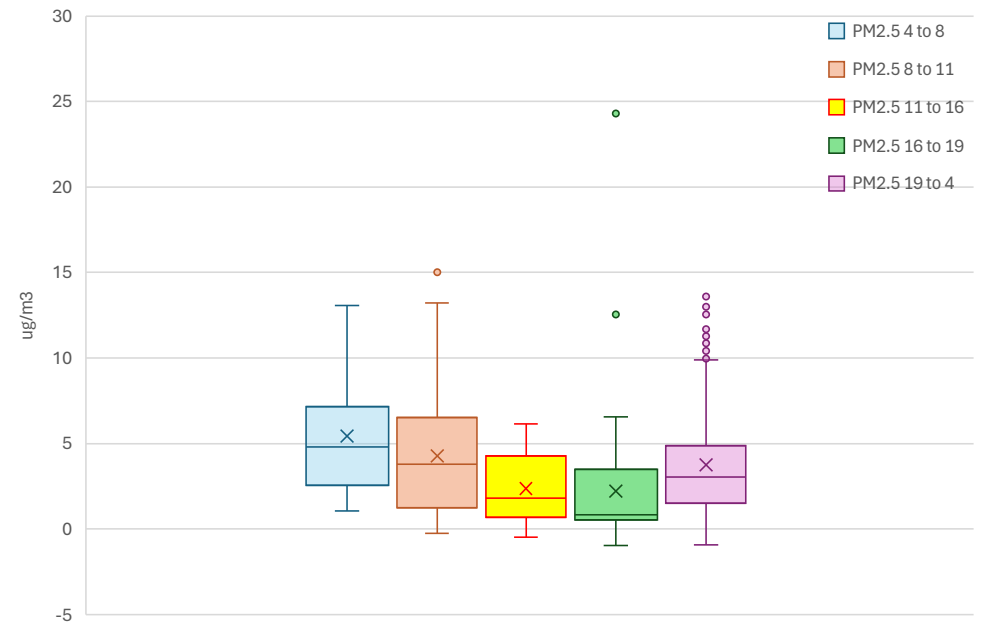
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	22.1	15.5	0.1	33.6	0.1	96.5	112
TVOC 8 to 11	11.3	0.1	0.1	16.2	0.1	86.2	84
TVOC 11 to 16	1.6	0.1	0.1	0.1	0.1	59.7	140
TVOC 16 to 19	2.2	0.1	0.1	0.1	0.1	50.3	84
TVOC 19 to 4	7.0	0.1	0.1	9.1	0.1	73.7	252

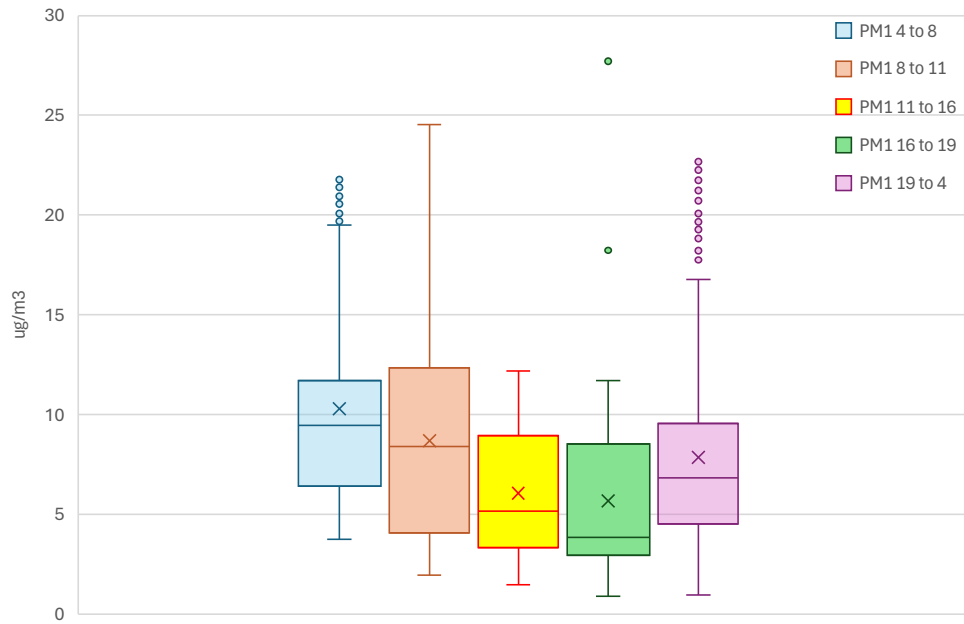
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	5.5	4.8	2.5	7.3	1.1	13.1	112
PM2.5 8 to 11	4.3	3.8	1.2	6.5	-0.3	15.0	84
PM2.5 11 to 16	2.4	1.8	0.7	4.3	-0.5	6.1	140
PM2.5 16 to 19	2.2	0.8	0.5	3.5	-1.0	24.3	84
PM2.5 19 to 4	3.7	3.1	1.5	4.9	-0.9	13.6	252

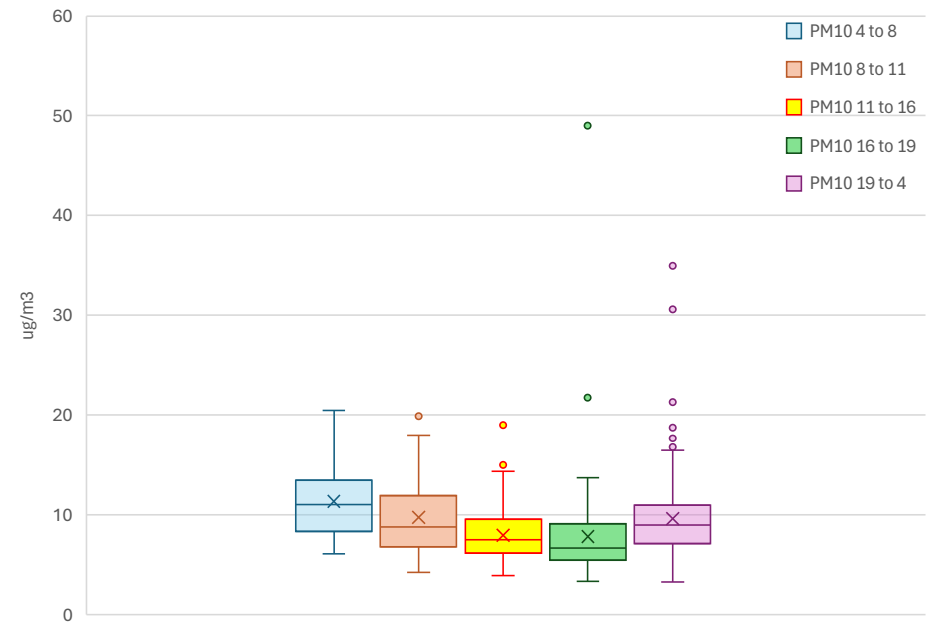
Hourly concentration distribution

PM1 hourly distribution



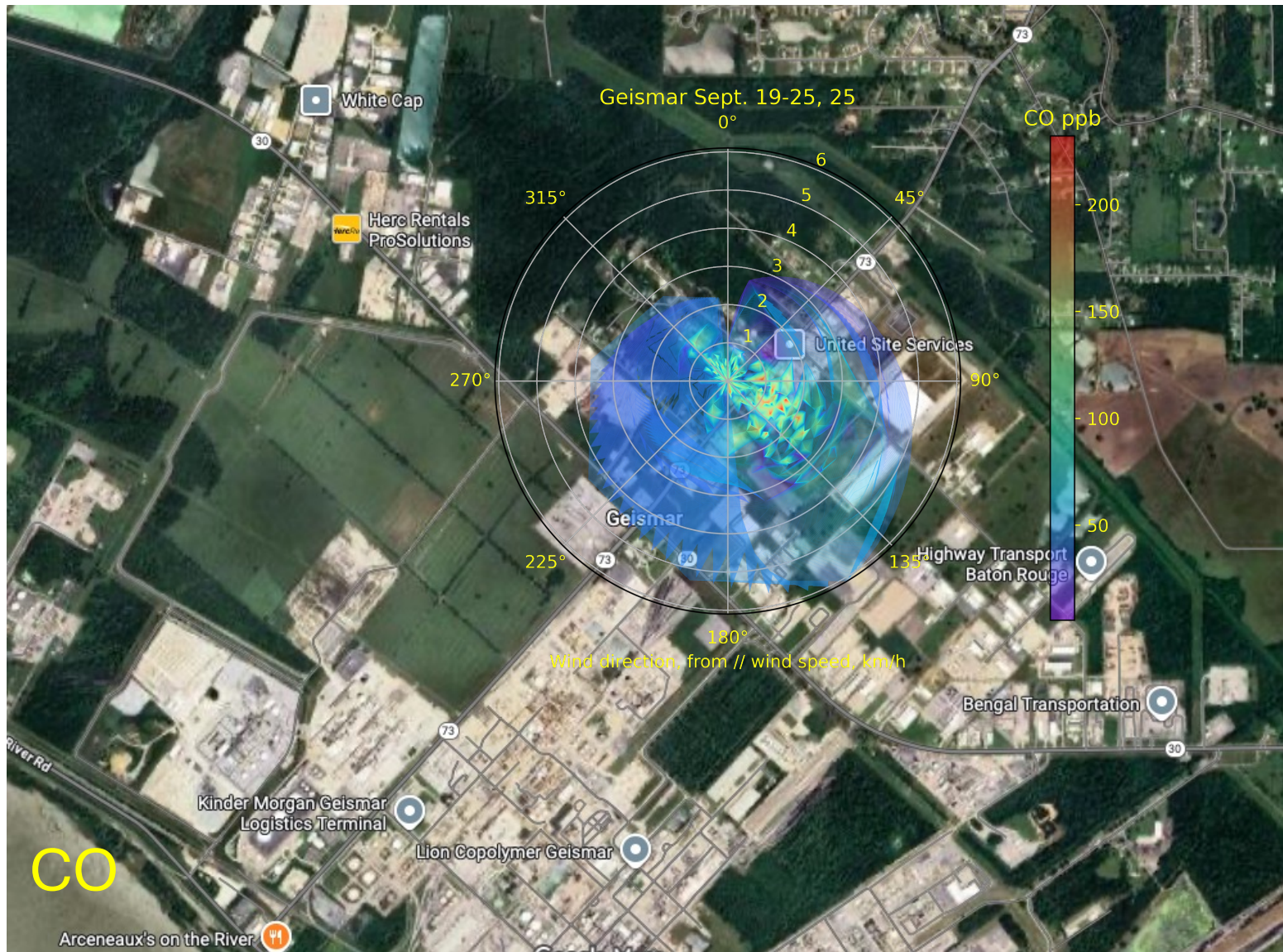
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	10.3	9.5	6.3	11.8	3.7	21.9	112
PM1 8 to 11	8.7	8.4	4.1	12.4	1.9	24.5	84
PM1 11 to 16	6.1	5.2	3.3	8.9	1.5	12.2	140
PM1 16 to 19	5.7	3.9	2.9	8.5	0.9	27.7	84
PM1 19 to 4	7.9	6.8	4.5	9.5	1.0	22.7	252

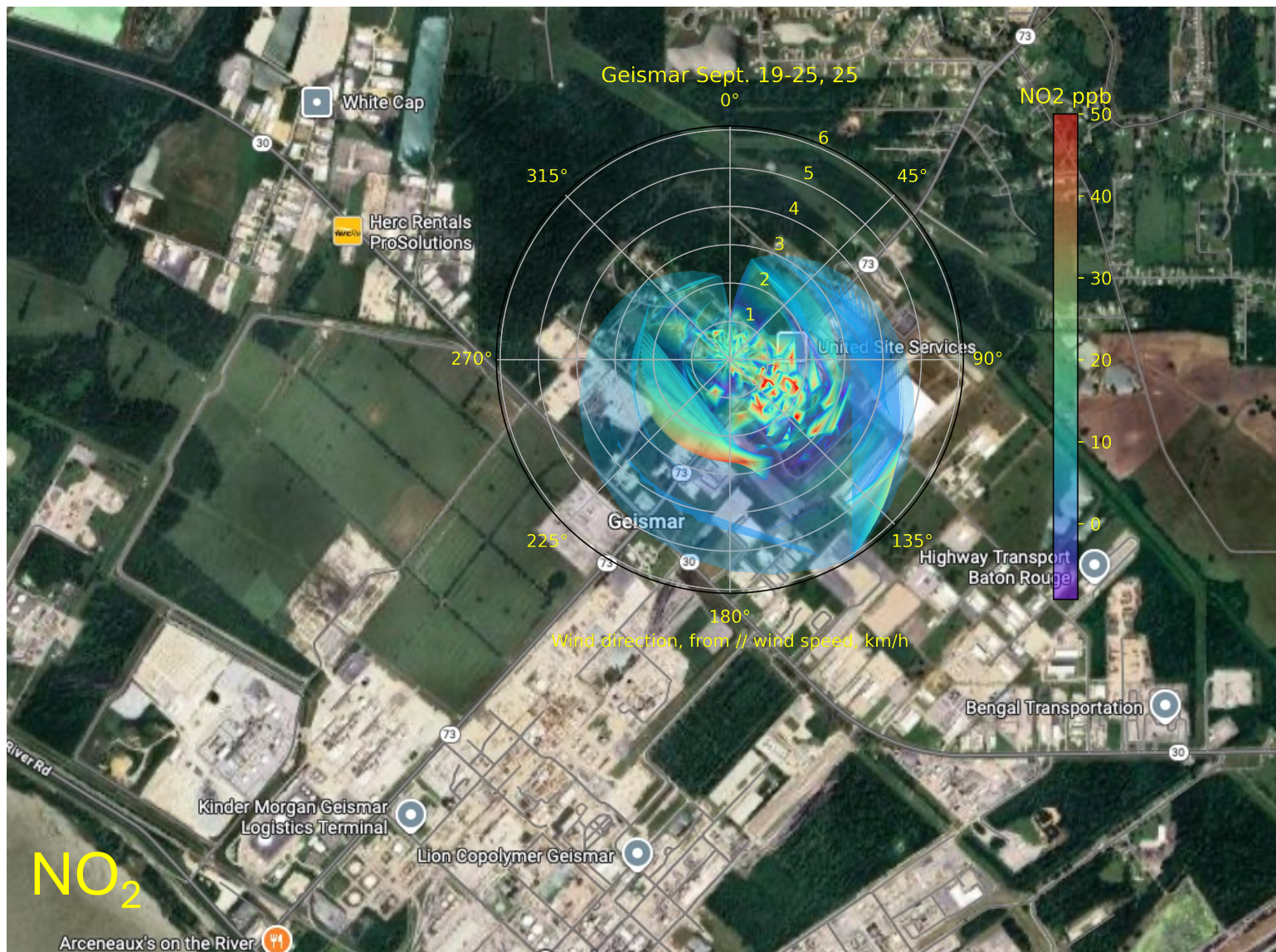
PM10 hourly distribution

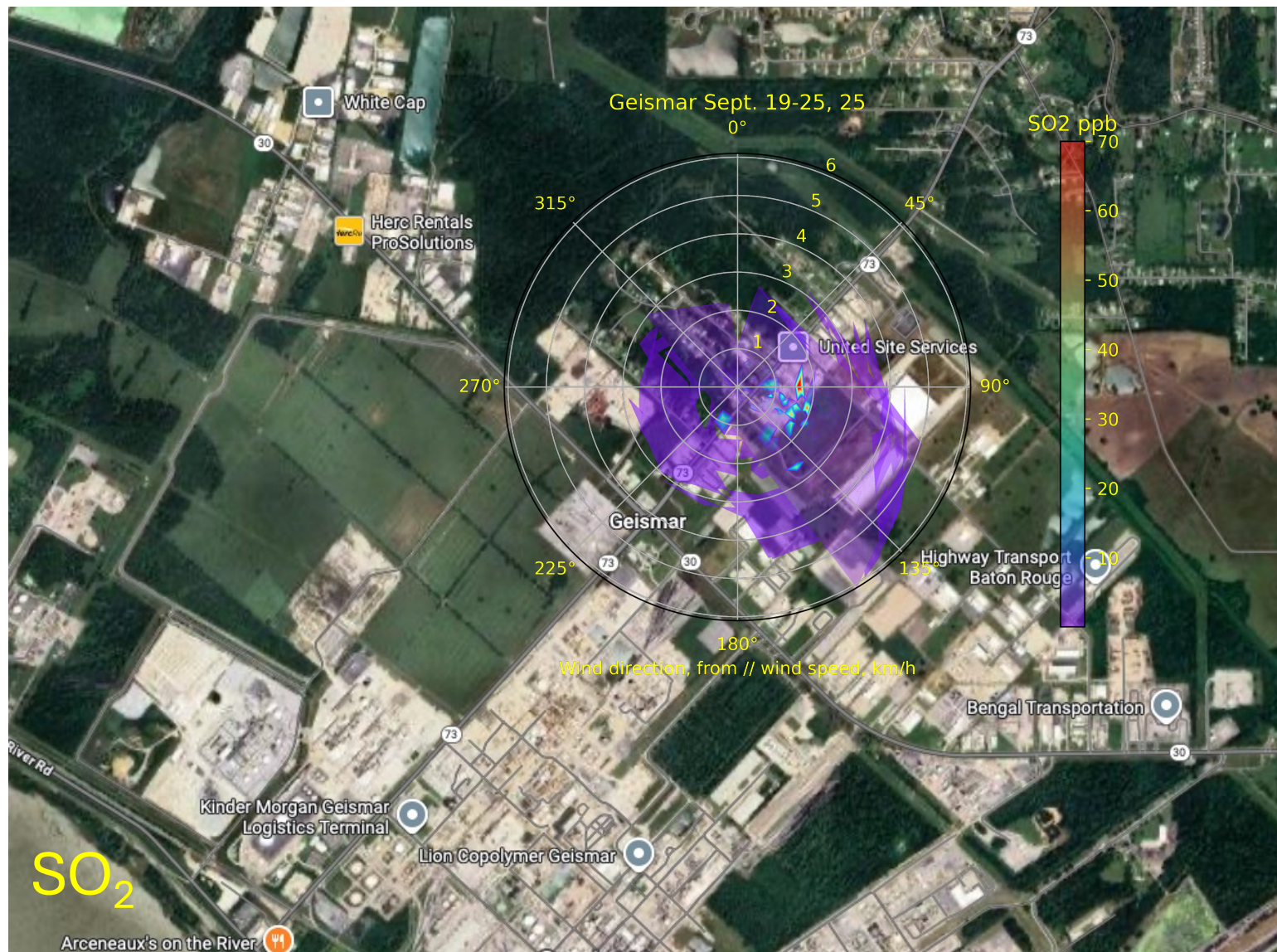


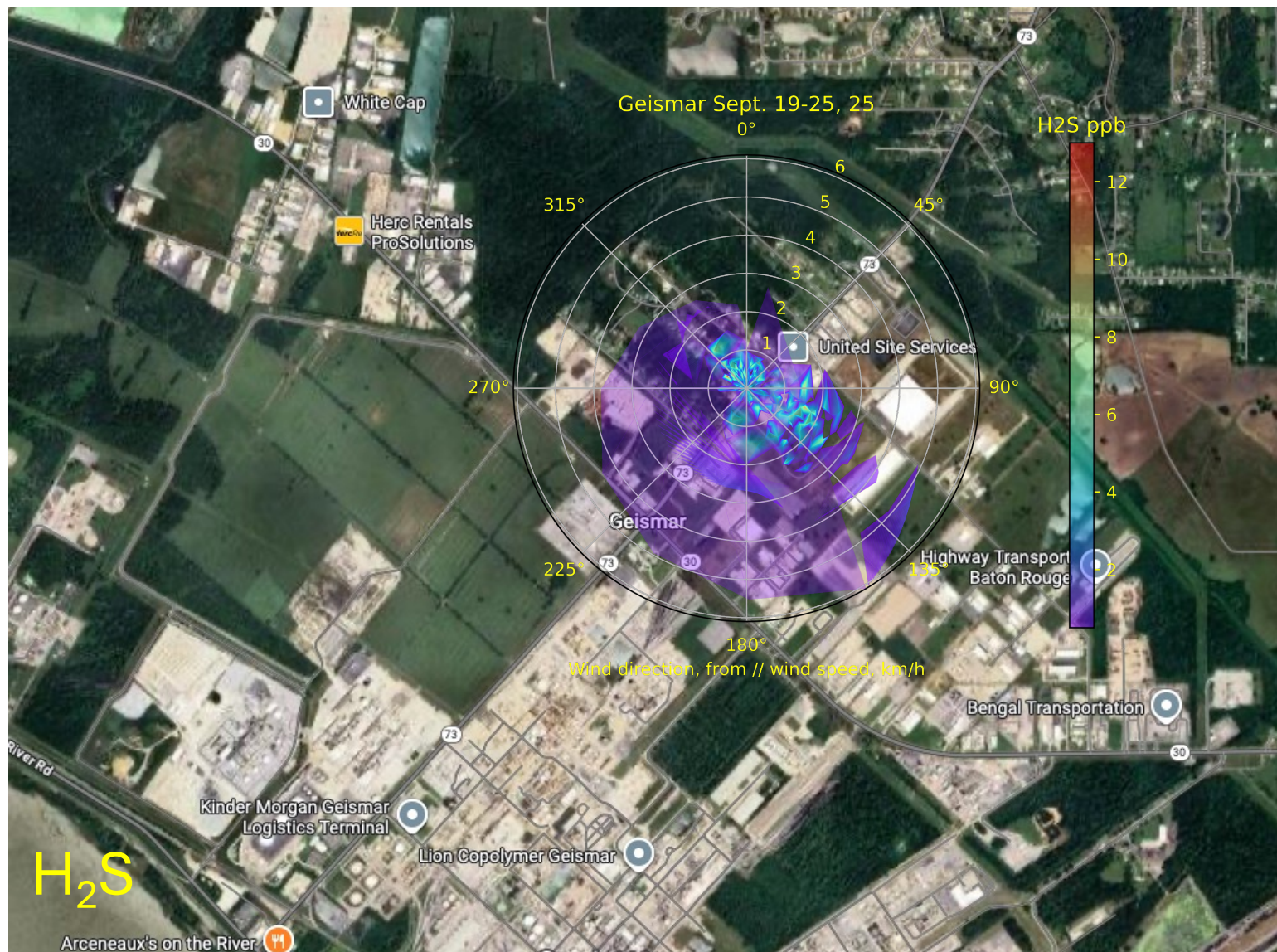
ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	118.5	118.2	80.7	148.5	40.9	232.2	112
CO 8 to 11	85.2	73.3	47.7	116.8	16.3	217.8	84
CO 11 to 16	52.2	50.0	38.0	60.1	5.5	170.1	140
CO 16 to 19	63.6	61.5	44.0	76.4	28.8	157.6	84
CO 19 to 4	88.4	85.4	67.5	105.7	37.8	195.1	252

PM₁ data is not referenced and calibrated against regulatory monitor

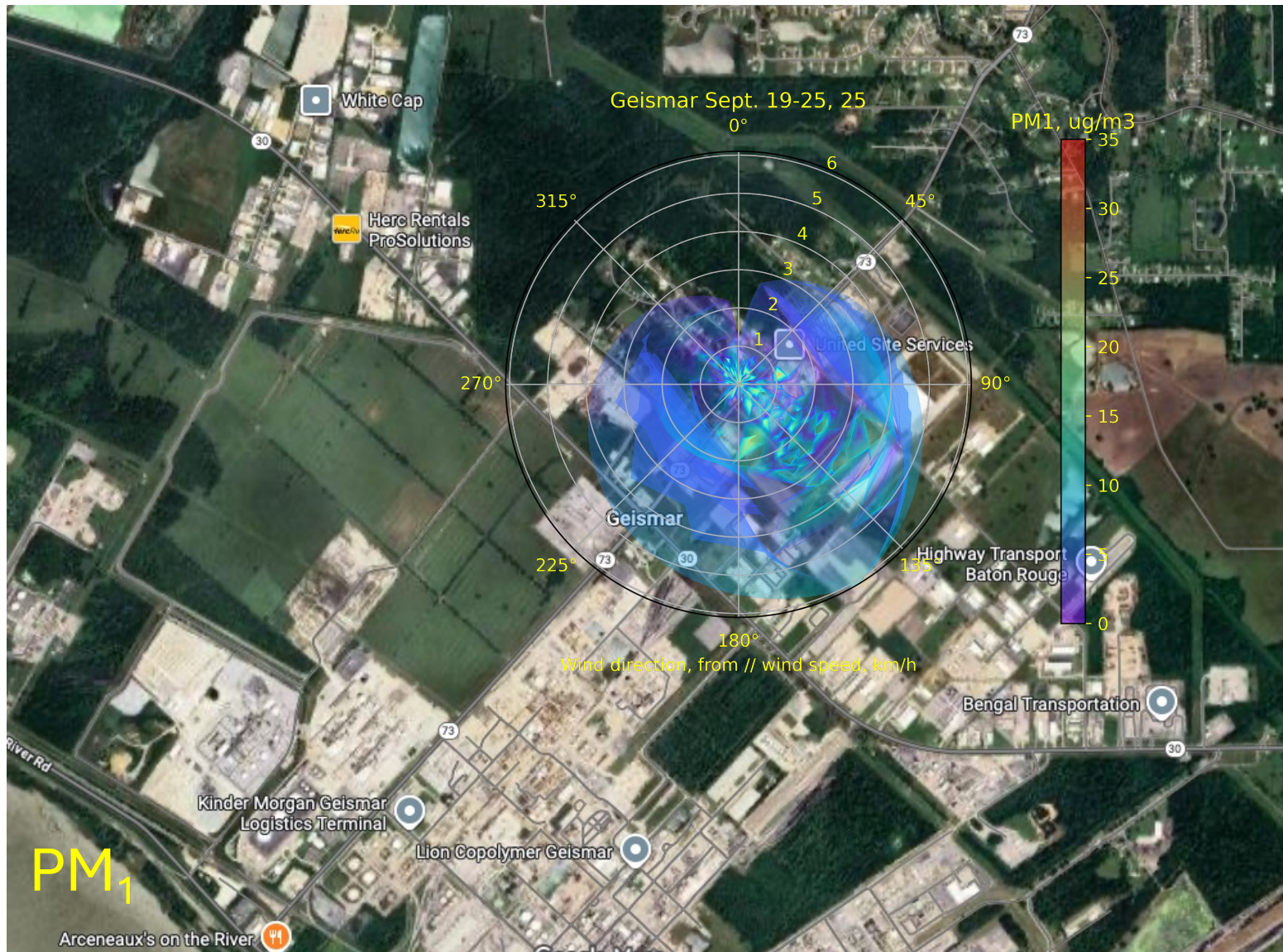


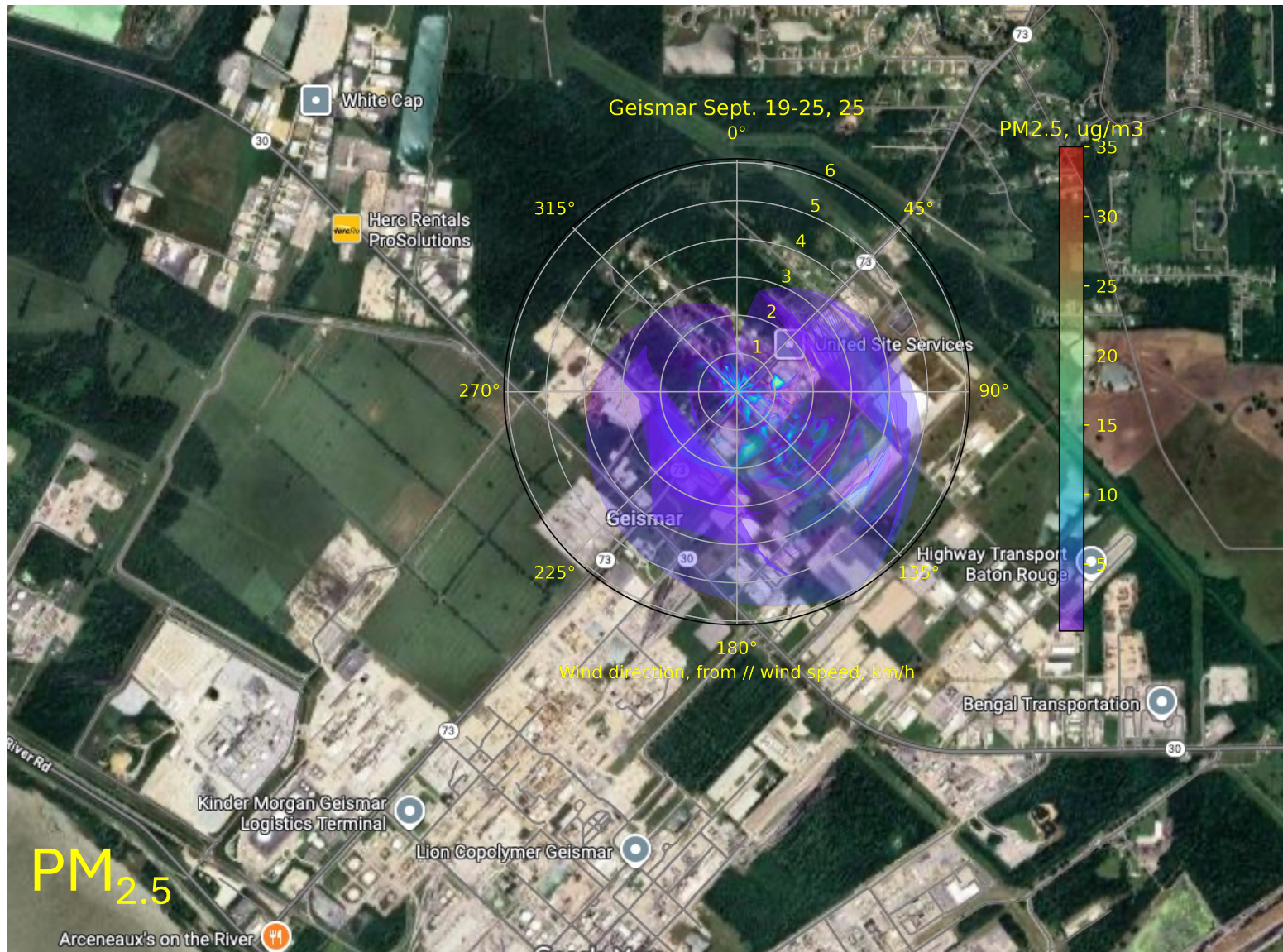


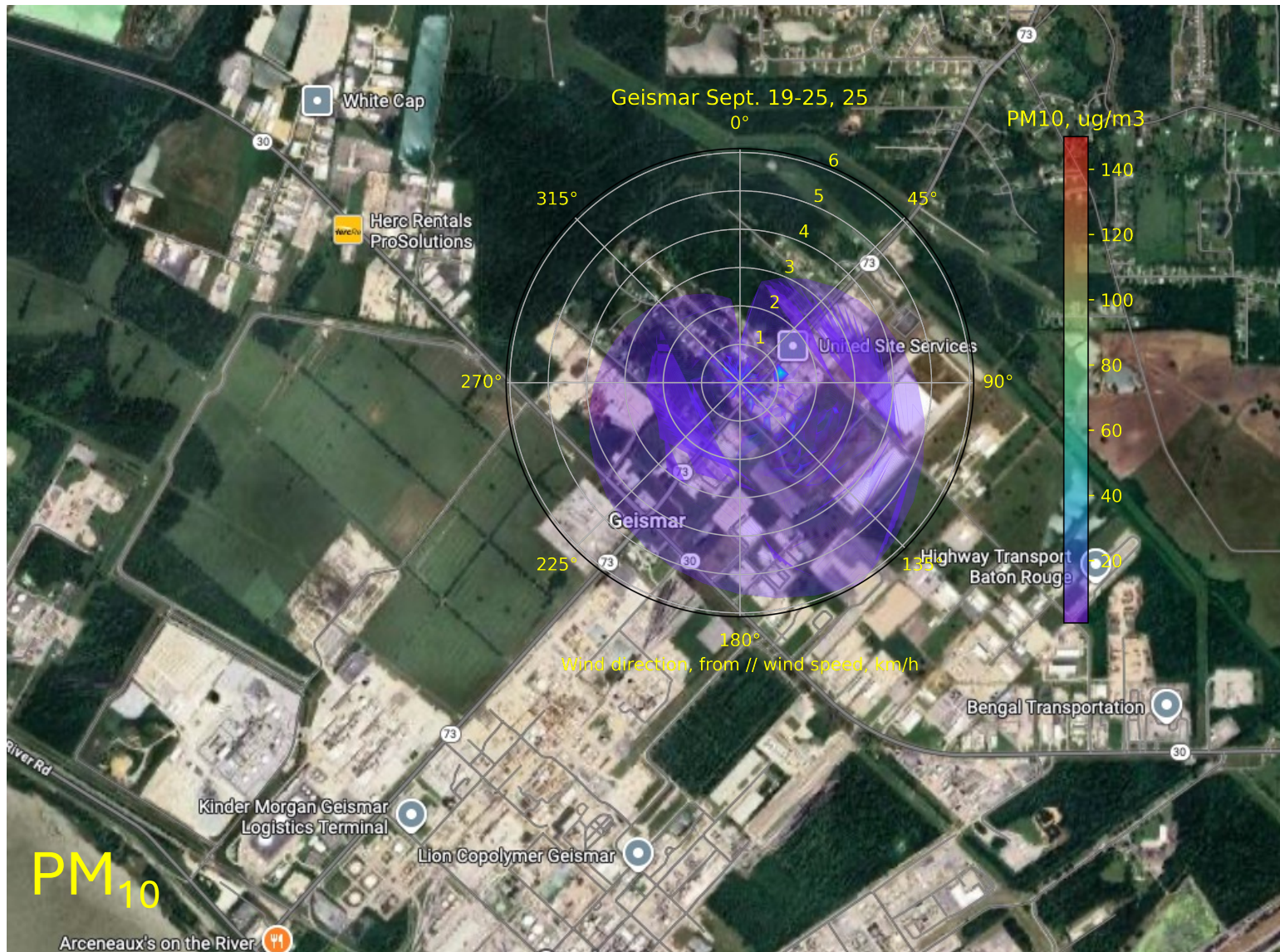












GEISMAR POD

09/19-09/25

- Significant emissions of TVOCs from South-East, possibly (but not necessary) of combustion origin (overlaps with CO source, NO_2). Mostly at nighttime/morning hours
- SO_2 from East direction,

