

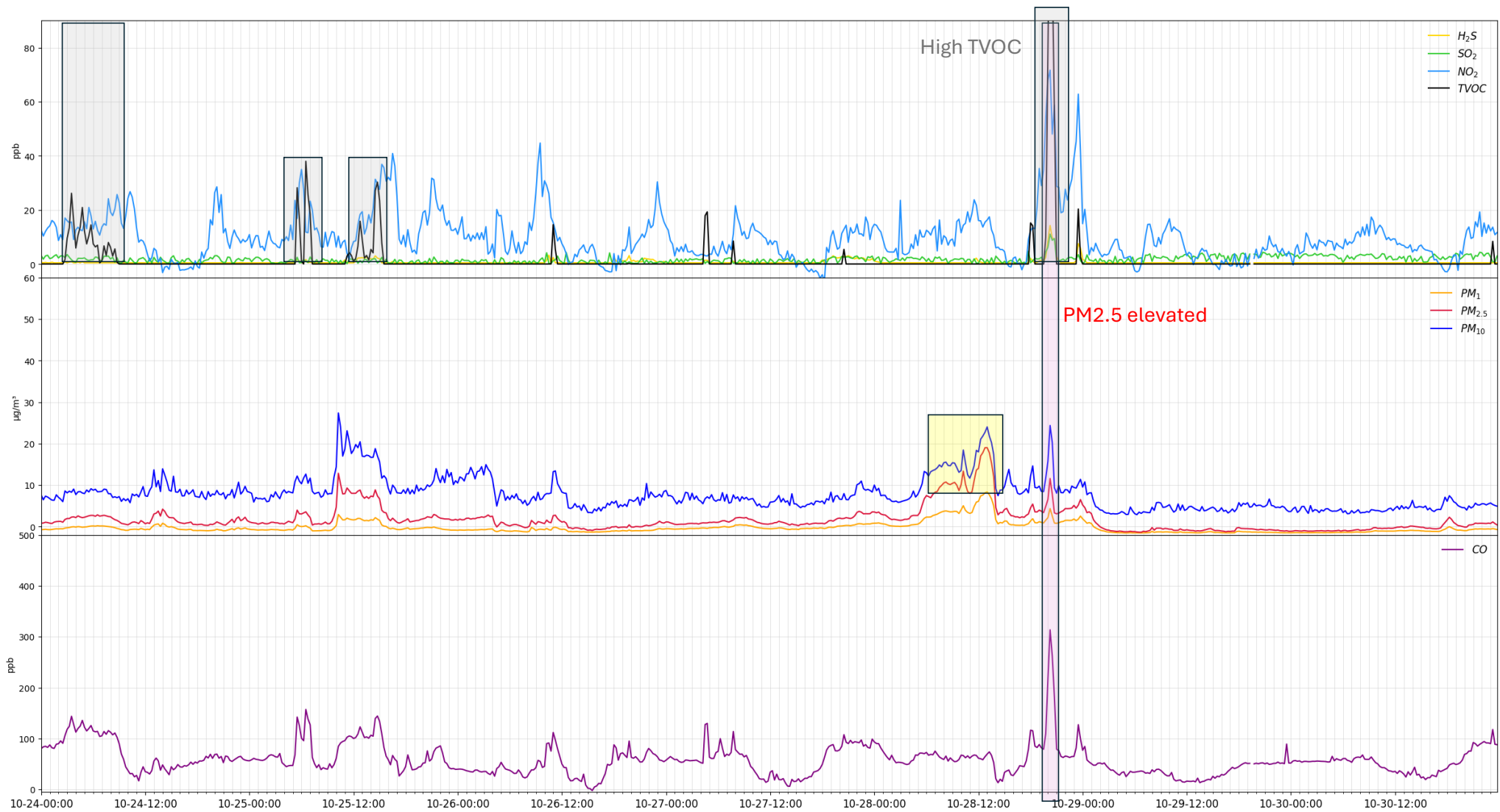
Geismar POD

October 24 – 30, 2025

Disclaimer

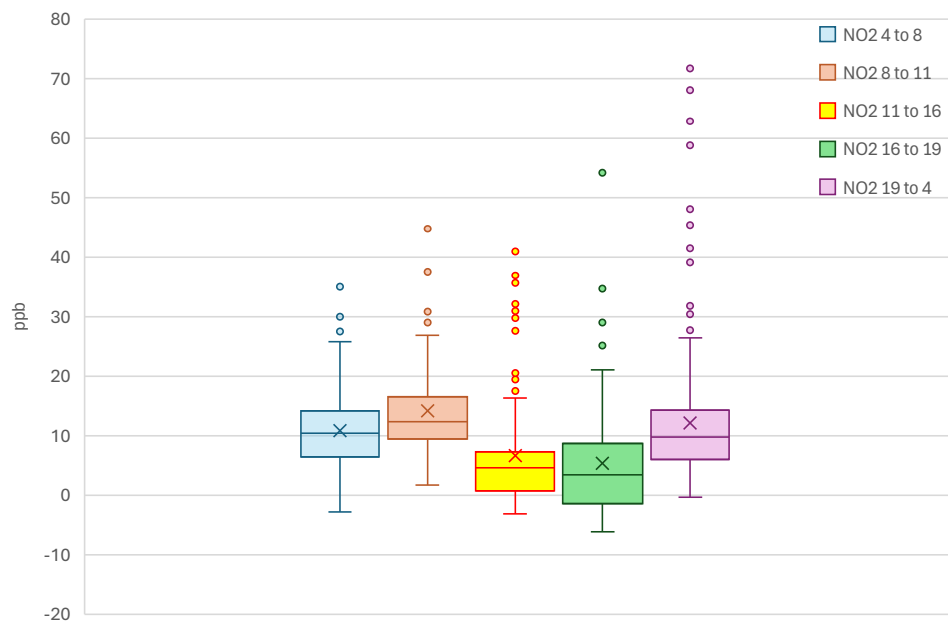
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



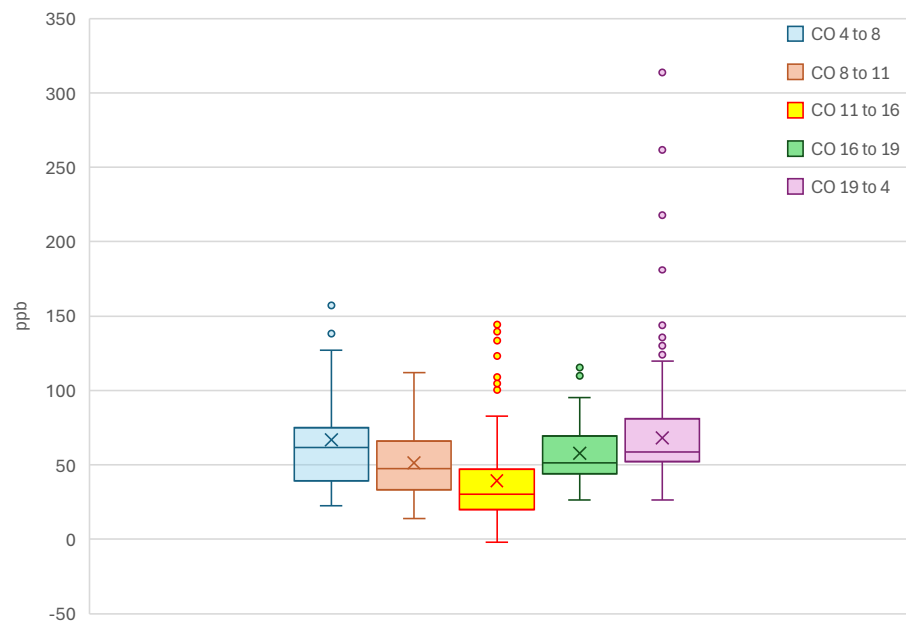
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	10.8	10.4	6.4	14.3	-2.9	35.0	112
NO2 8 to 11	14.1	12.3	9.4	16.5	1.7	44.8	84
NO2 11 to 16	6.6	4.6	0.7	7.3	-3.1	40.9	140
NO2 16 to 19	5.4	3.4	-1.4	8.6	-6.2	54.2	83
NO2 19 to 4	12.1	9.7	6.0	14.3	-0.3	71.7	252

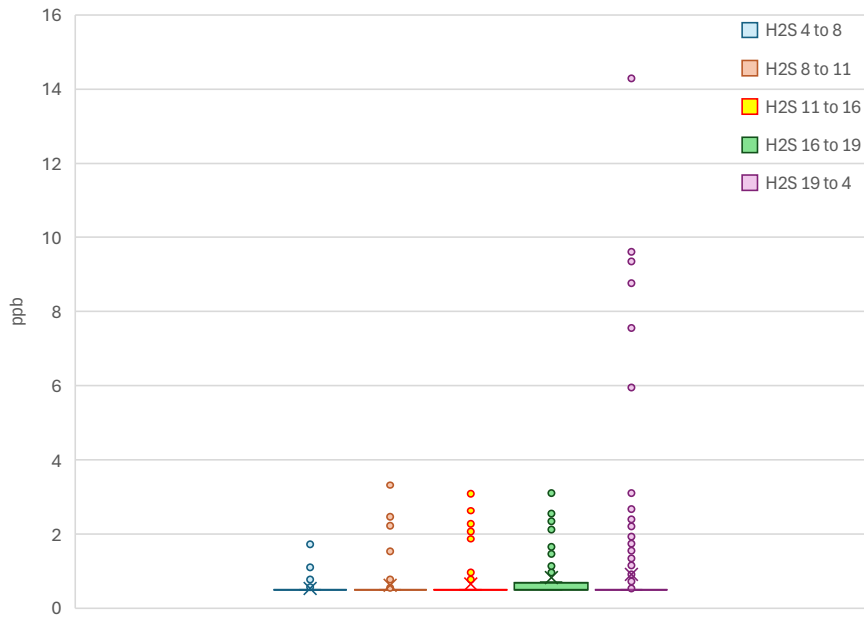
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	66.8	61.6	39.1	75.3	22.7	157.2	112
CO 8 to 11	51.5	47.3	33.5	66.0	14.1	112.0	84
CO 11 to 16	39.2	30.1	19.8	46.9	-2.1	144.3	140
CO 16 to 19	57.6	51.5	44.2	69.2	26.6	116.5	83
CO 19 to 4	68.1	58.6	52.1	81.2	26.2	313.6	252

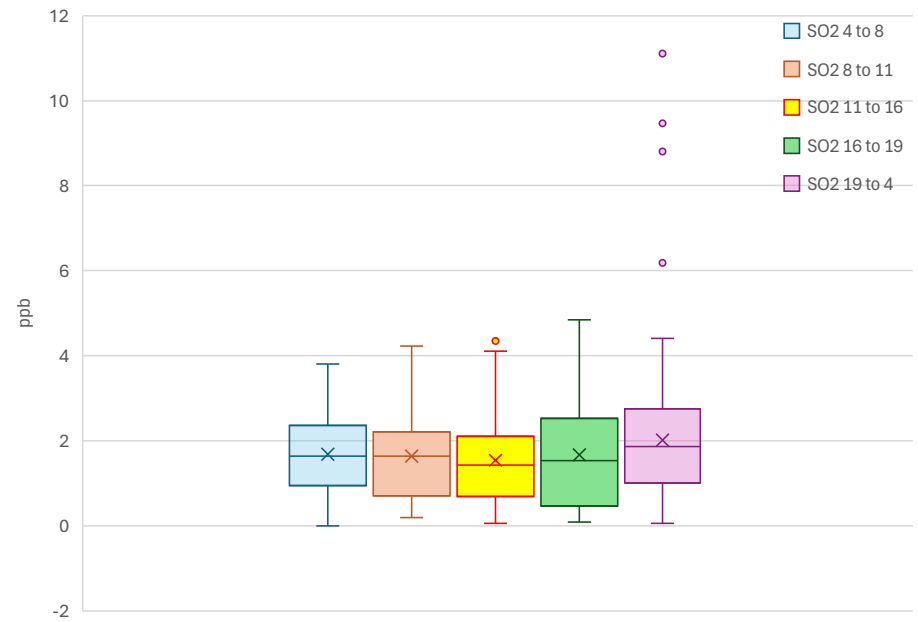
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.5	0.5	0.5	0.0	0.0	1.8	112
H2S 8 to 11	0.6	0.5	0.5	0.5	0.5	3.3	84
H2S 11 to 16	0.7	0.5	0.5	0.5	0.5	3.1	140
H2S 16 to 19	0.8	0.5	0.5	0.7	0.5	3.2	83
H2S 19 to 4	0.9	0.5	0.5	0.5	0.5	14.3	252

SO2 hourly distribution

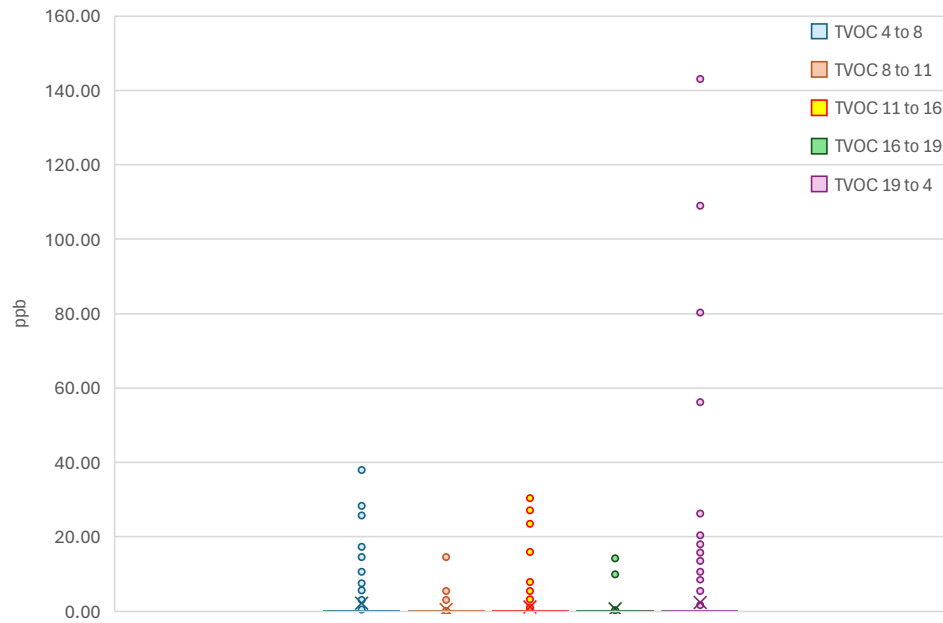


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	1.7	1.6	1.0	2.4	0.0	3.8	112
SO2 8 to 11	1.6	1.6	0.7	2.2	0.2	4.2	84
SO2 11 to 16	1.5	1.4	0.7	2.1	0.1	4.3	140
SO2 16 to 19	1.7	1.5	0.5	2.5	0.1	4.9	83
SO2 19 to 4	2.0	1.9	1.0	2.8	0.1	11.1	252

H₂S data is not referenced and calibrated against regulatory monitor

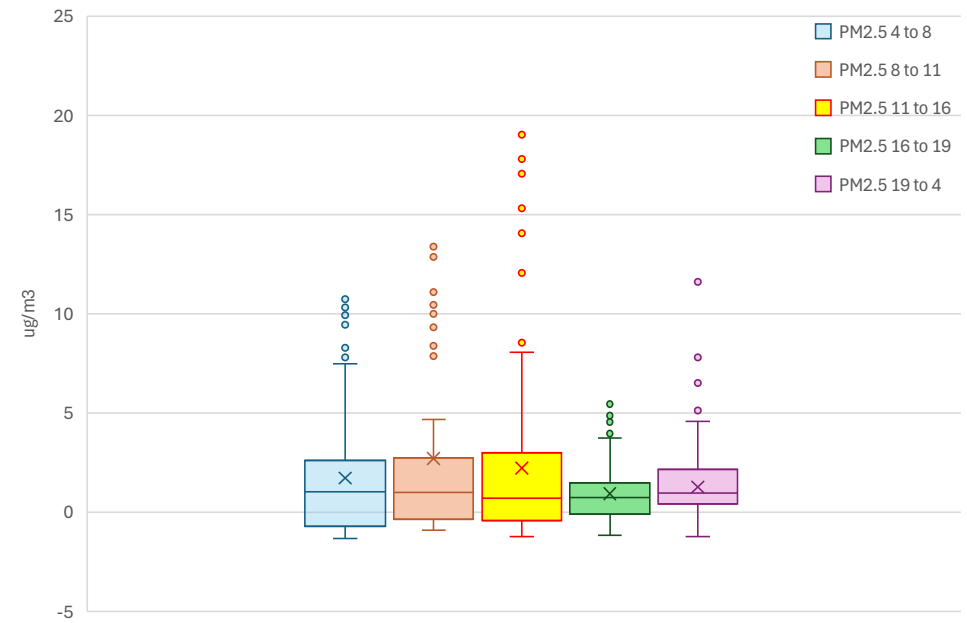
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	2.2	0.1	0.1	0.1	0.1	38.0	112
TVOC 8 to 11	0.4	0.1	0.1	0.1	0.1	14.6	84
TVOC 11 to 16	1.1	0.1	0.1	0.1	0.1	30.3	140
TVOC 16 to 19	0.5	0.1	0.1	0.1	0.1	15.3	83
TVOC 19 to 4	2.4	0.1	0.1	0.1	0.1	143.0	252

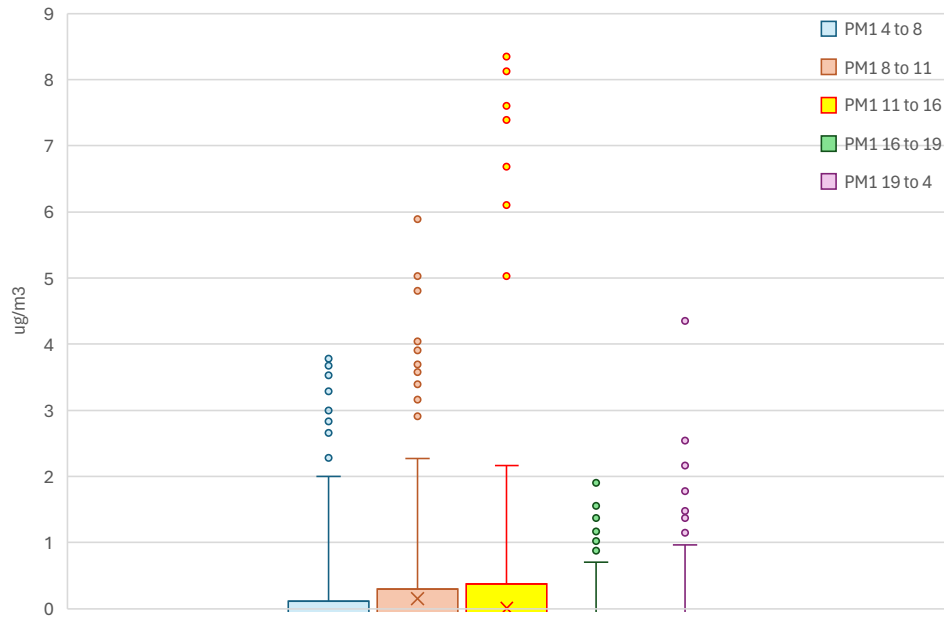
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	1.7	1.0	-0.7	2.6	-1.4	10.7	112
PM2.5 8 to 11	2.7	1.0	-0.4	2.7	-0.9	13.6	84
PM2.5 11 to 16	2.2	0.7	-0.4	3.0	-1.2	19.0	140
PM2.5 16 to 19	0.9	0.7	-0.1	1.5	-1.2	5.4	84
PM2.5 19 to 4	1.3	1.0	0.4	2.1	-1.2	11.6	252

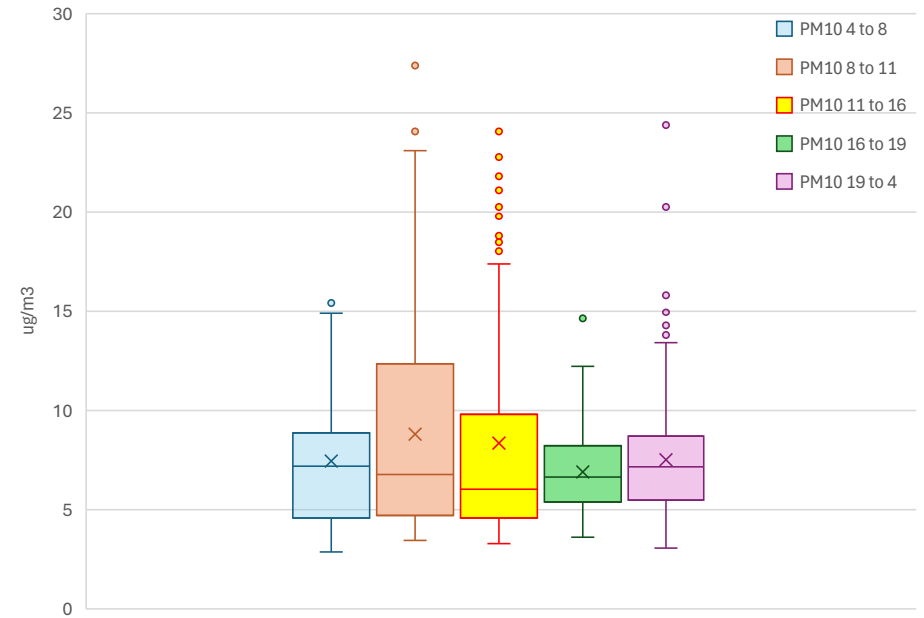
Hourly concentration distribution

PM1 hourly distribution



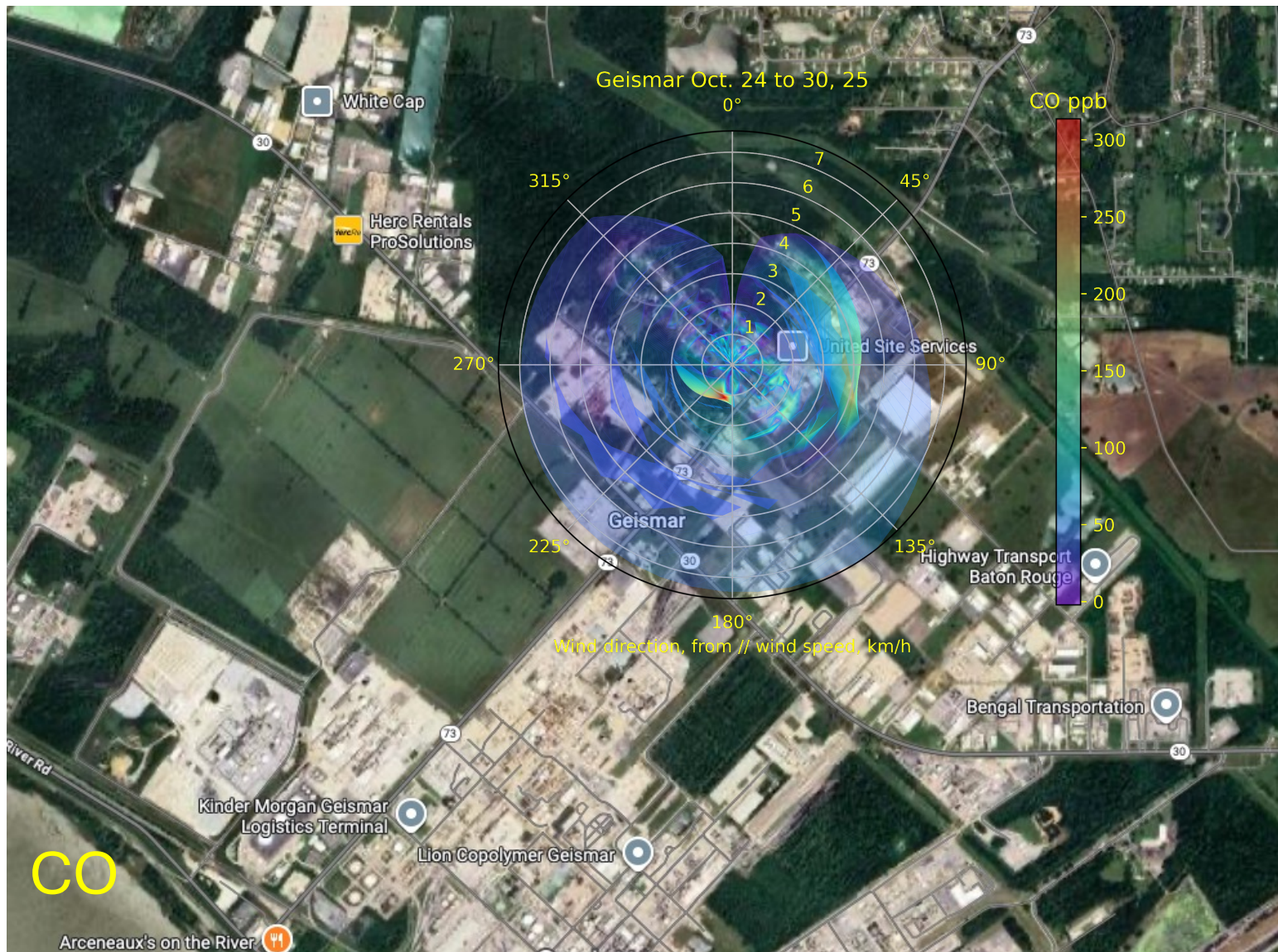
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM14to8	-0.2	-0.4	-1.3	0.1	-1.5	3.8	112
PM18to11	0.2	-0.6	-1.1	0.3	-1.4	5.9	84
PM111to16	0.0	-0.6	-1.2	0.4	-1.5	8.4	140
PM116to19	-0.5	-0.7	-1.1	-0.3	-1.5	1.9	84
PM119to4	-0.5	-0.6	-0.9	-0.1	-1.5	4.4	252

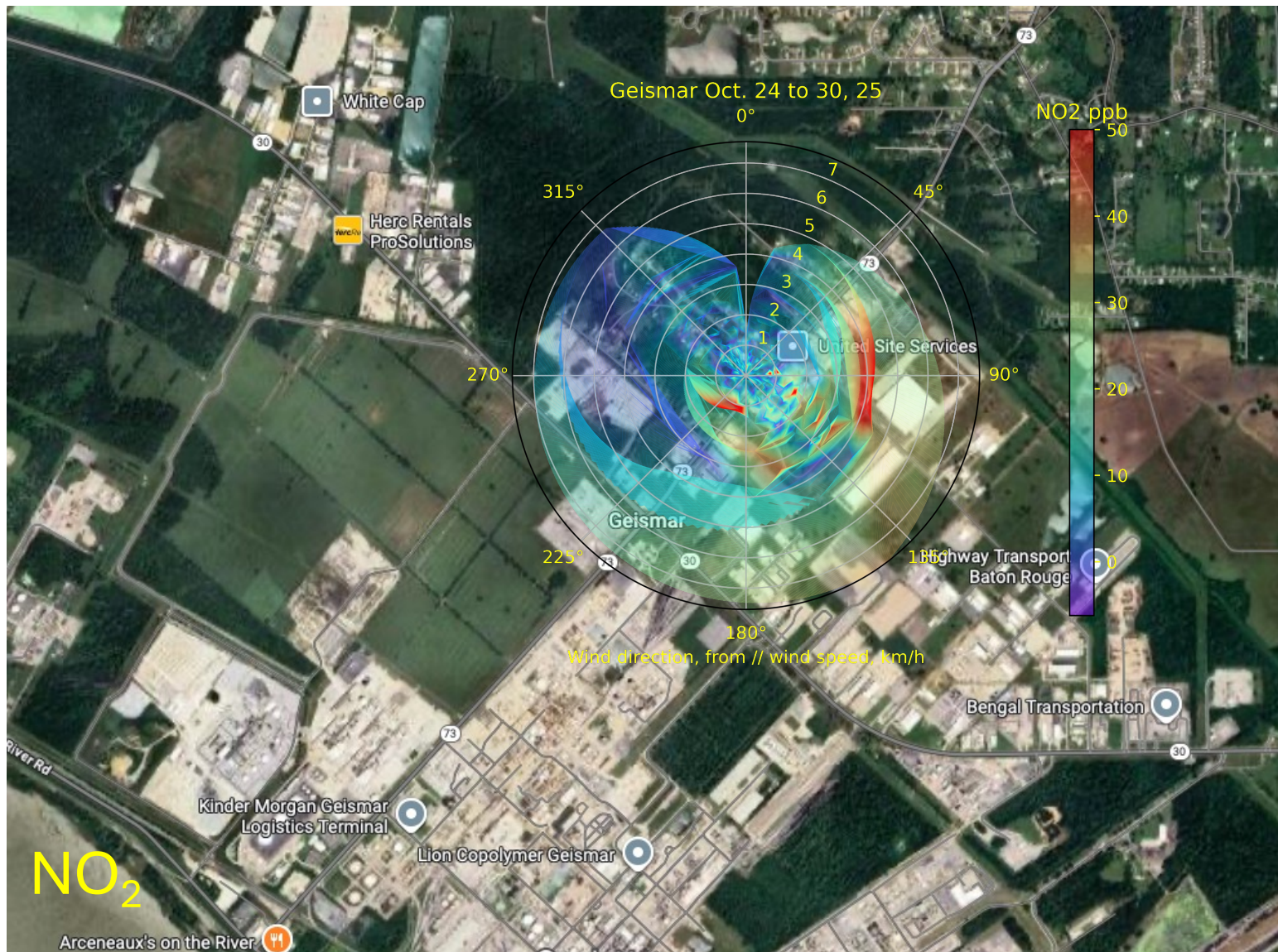
PM10 hourly distribution

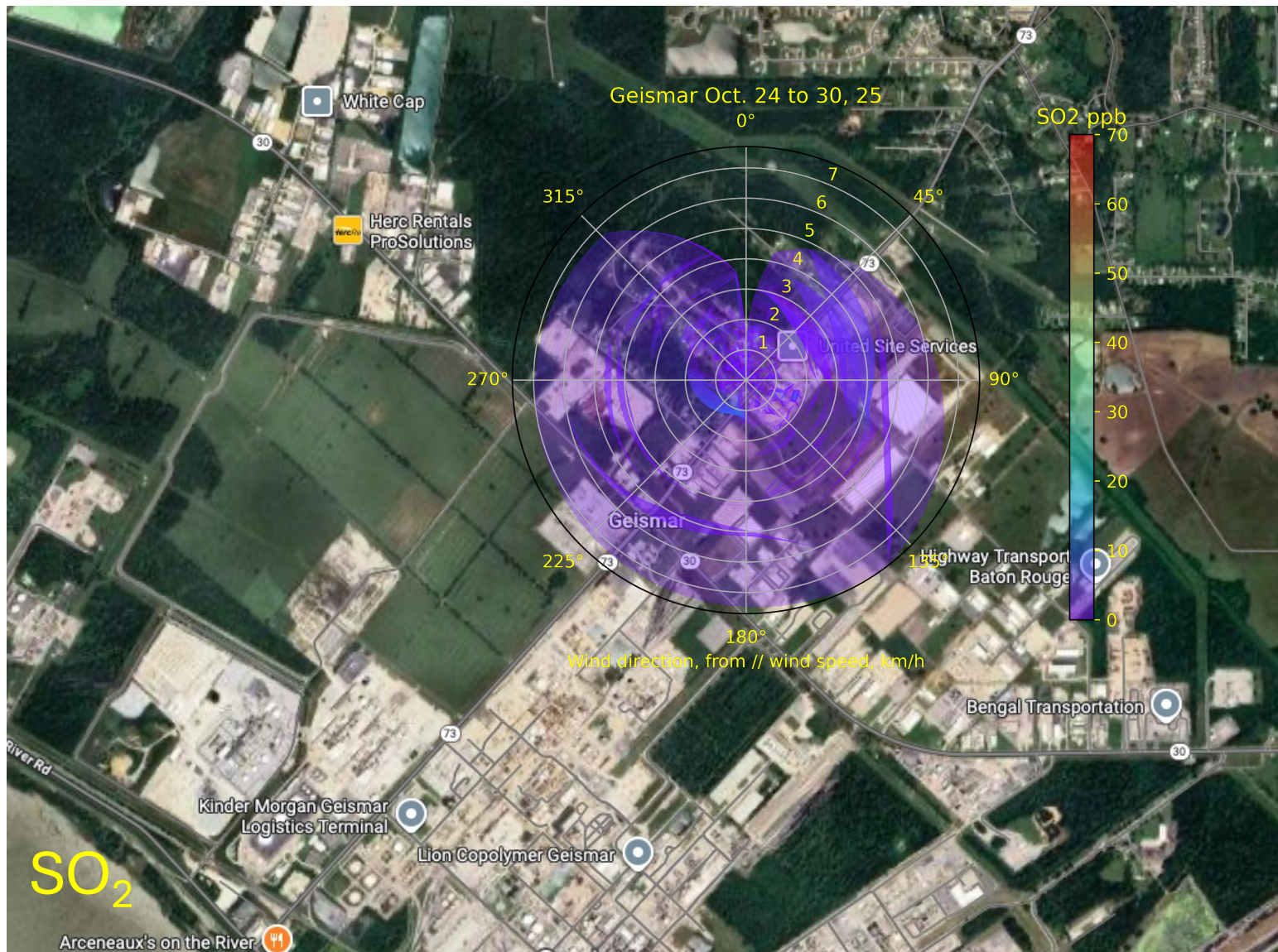


ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	7.4	7.2	4.4	8.9	2.9	15.5	112
PM10 8 to 11	8.8	6.8	4.7	12.4	3.5	27.4	84
PM10 11 to 16	8.3	6.0	4.6	9.8	3.3	24.0	140
PM10 16 to 19	6.9	6.6	5.4	8.2	3.6	14.6	84
PM10 19 to 4	7.5	7.2	5.5	8.7	3.0	24.4	252

PM₁ data is not referenced and calibrated against regulatory monitor

















GEISMAR POD 10/24-10/30

- 2 directions are driving the pollution events; South-West and East
- SW source is closer while East Source is more distant

