

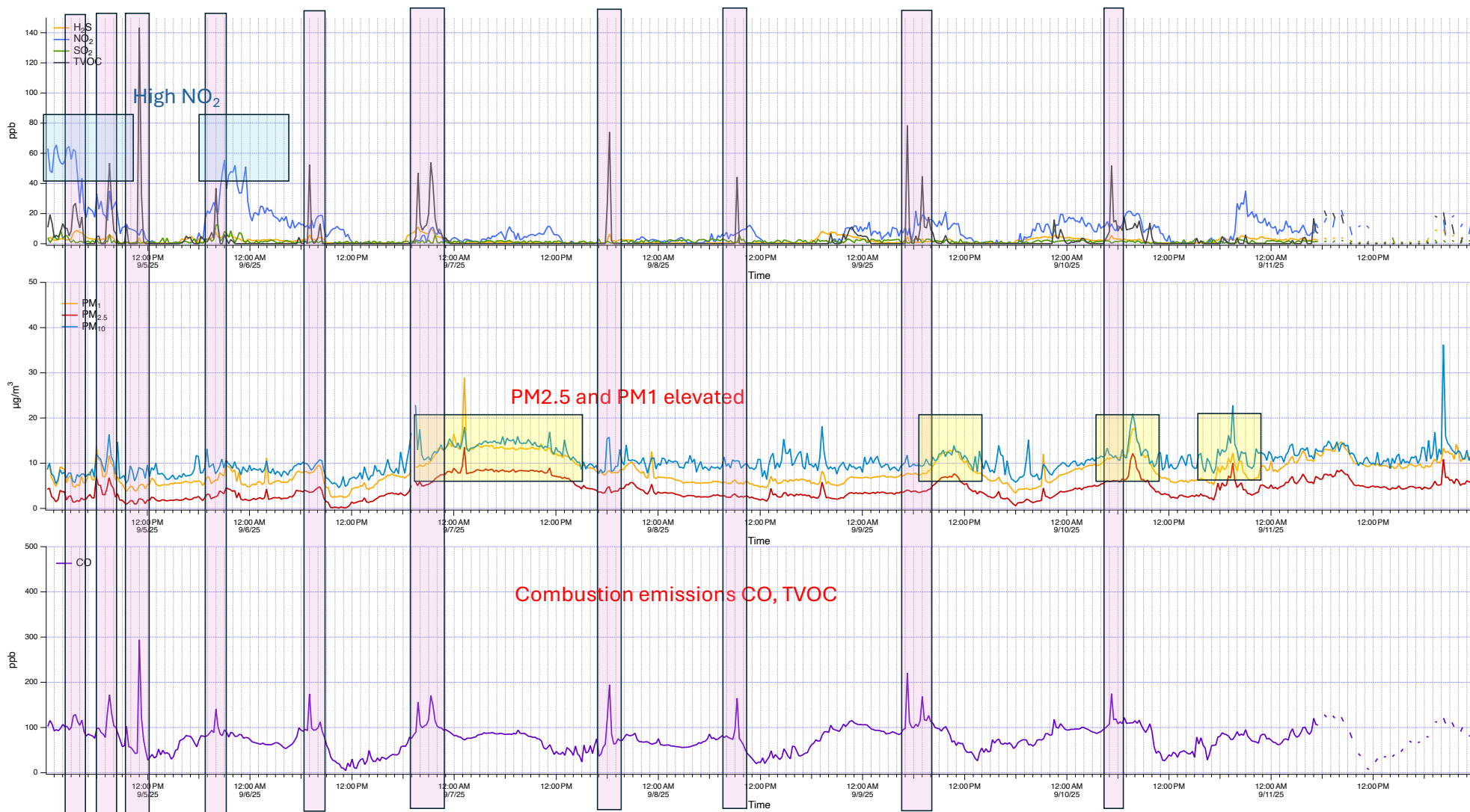
Geismar POD

September 5-11, 2025

Disclaimer

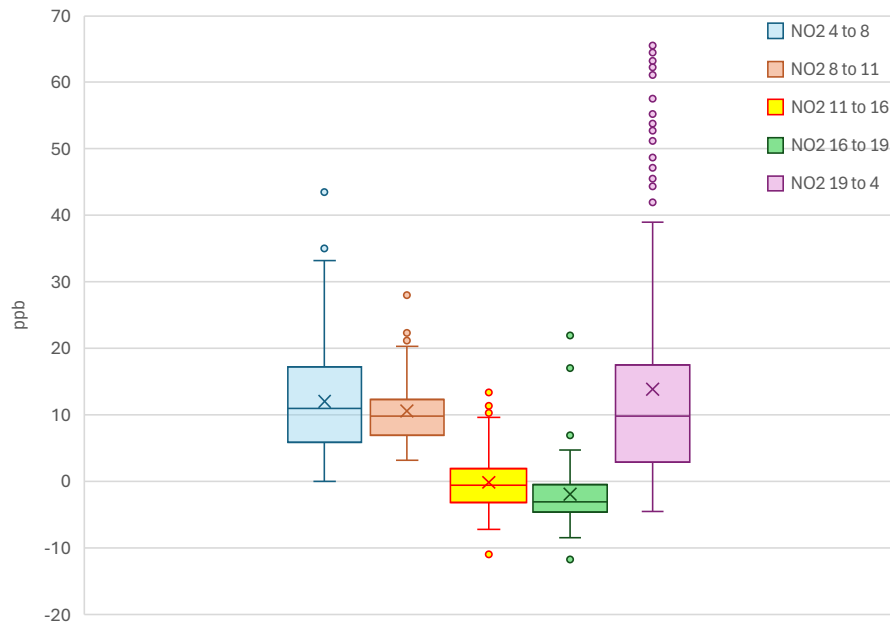
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



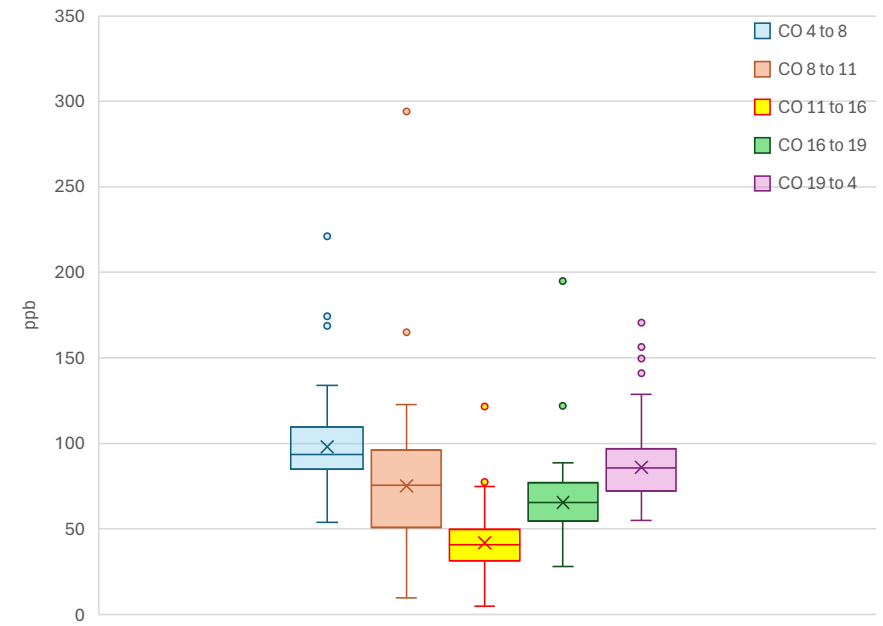
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	12.0	11.0	5.7	17.4	0.0	43.5	106
NO2 8 to 11	10.6	9.9	7.0	12.3	3.2	28.0	78
NO2 11 to 16	-0.1	-0.6	-3.1	2.0	-10.9	13.4	130
NO2 16 to 19	-1.9	-3.1	-4.6	-0.5	-11.7	21.9	78
NO2 19 to 4	13.9	9.8	2.8	17.6	-4.5	65.5	242

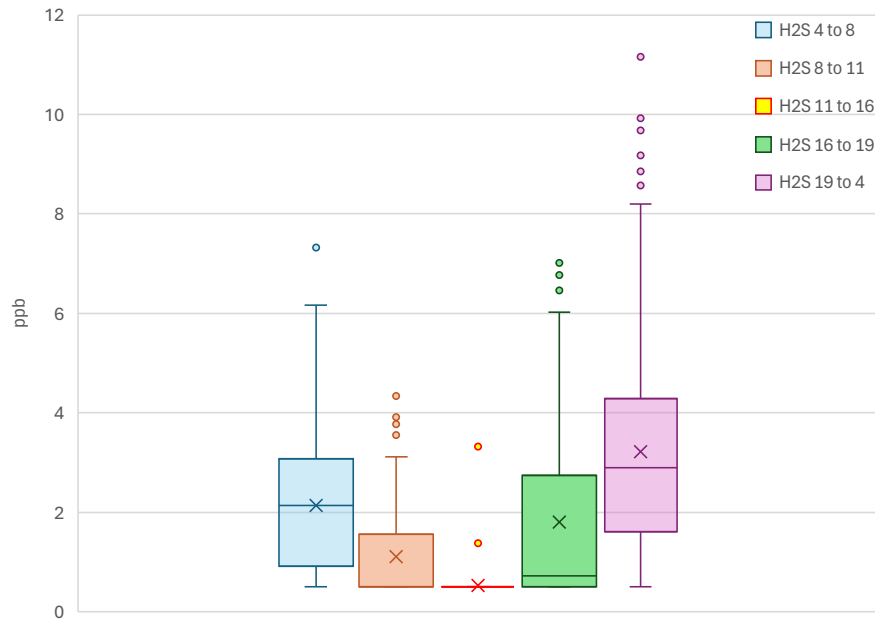
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	97.9	93.6	84.4	109.8	53.9	221.0	106
CO 8 to 11	75.0	75.7	50.9	96.2	9.9	294.1	78
CO 11 to 16	41.8	40.7	31.3	49.6	4.8	121.6	130
CO 16 to 19	65.6	65.4	54.8	76.9	28.2	194.8	78
CO 19 to 4	86.2	85.8	72.2	97.0	54.9	170.7	242

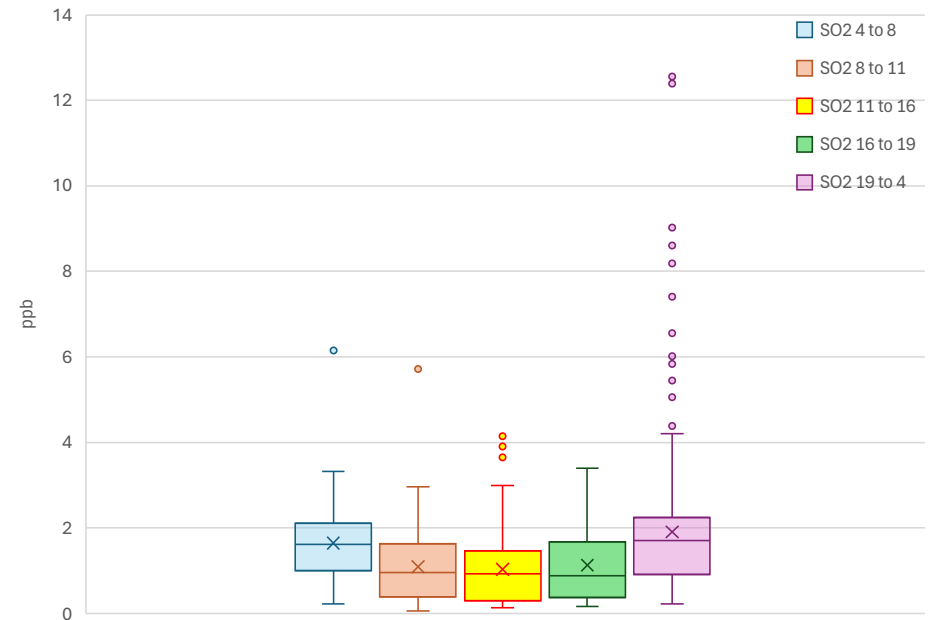
Hourly concentration distribution

H₂S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S4to8	2.1	2.1	0.9	3.1	0.5	7.3	106
H2S8to11	1.1	0.5	0.5	1.6	0.5	4.3	78
H2S11to16	0.5	0.5	0.5	0.5	0.5	3.3	130
H2S16to19	1.8	0.7	0.5	2.8	0.5	7.0	78
H2S19to4	3.2	2.9	1.6	4.3	0.5	11.2	242

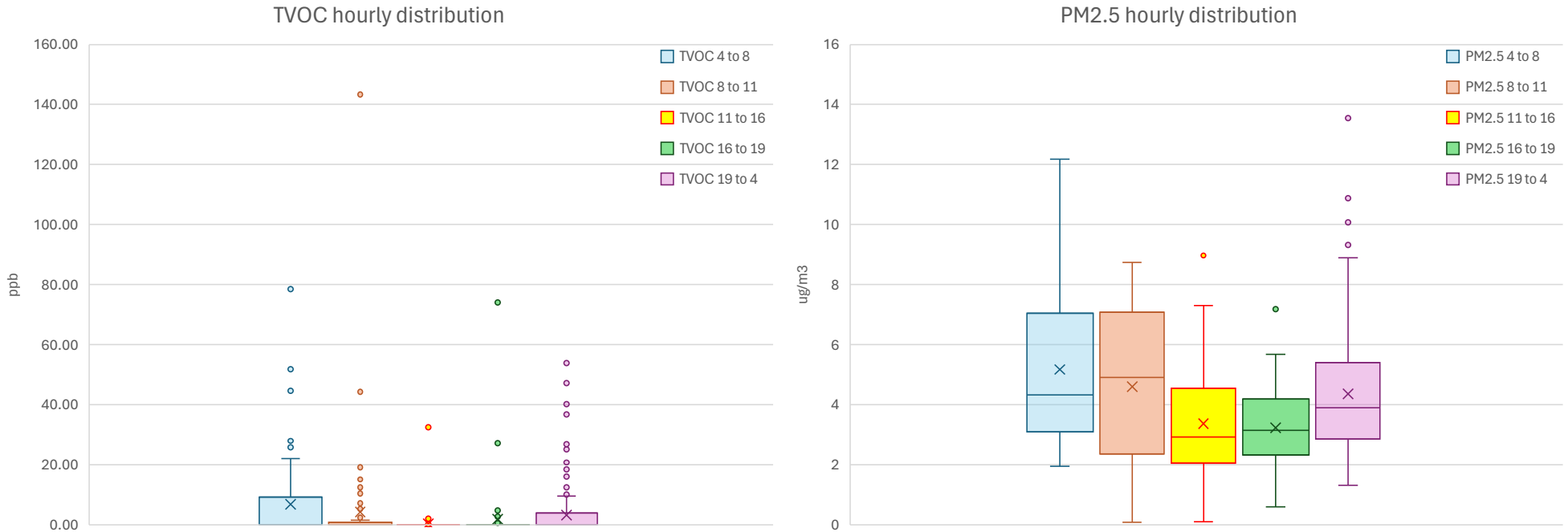
SO₂ hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO24to8	1.6	1.6	1.0	2.1	0.2	6.2	106
SO28to11	1.1	1.0	0.4	1.6	0.1	5.7	78
SO211to16	1.0	0.9	0.3	1.5	0.1	4.1	130
SO216to19	1.1	0.9	0.4	1.7	0.2	3.4	78
SO219to4	1.9	1.7	0.9	2.2	0.2	12.6	242

H₂S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution

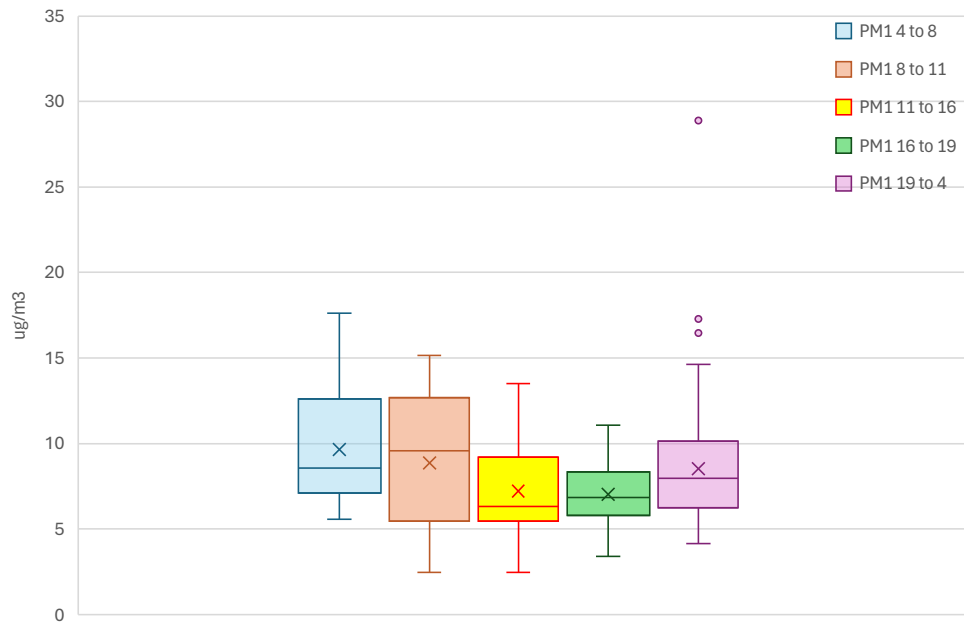


ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	6.8	0.1	0.1	9.3	0.1	78.5	106
TVOC 8 to 11	4.3	0.1	0.1	0.8	0.1	143.4	78
TVOC 11 to 16	0.4	0.1	0.1	0.1	0.1	32.5	130
TVOC 16 to 19	1.8	0.1	0.1	0.1	0.1	74.1	78
TVOC 19 to 4	3.3	0.1	0.1	4.0	0.1	53.9	242

ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	5.2	4.3	3.1	7.1	2.0	12.2	112
PM2.5 8 to 11	4.6	4.9	2.4	7.1	0.1	8.7	84
PM2.5 11 to 16	3.4	2.9	2.1	4.5	0.1	9.0	140
PM2.5 16 to 19	3.2	3.2	2.3	4.2	0.6	7.2	84
PM2.5 19 to 4	4.4	3.9	2.9	5.4	1.3	13.6	251

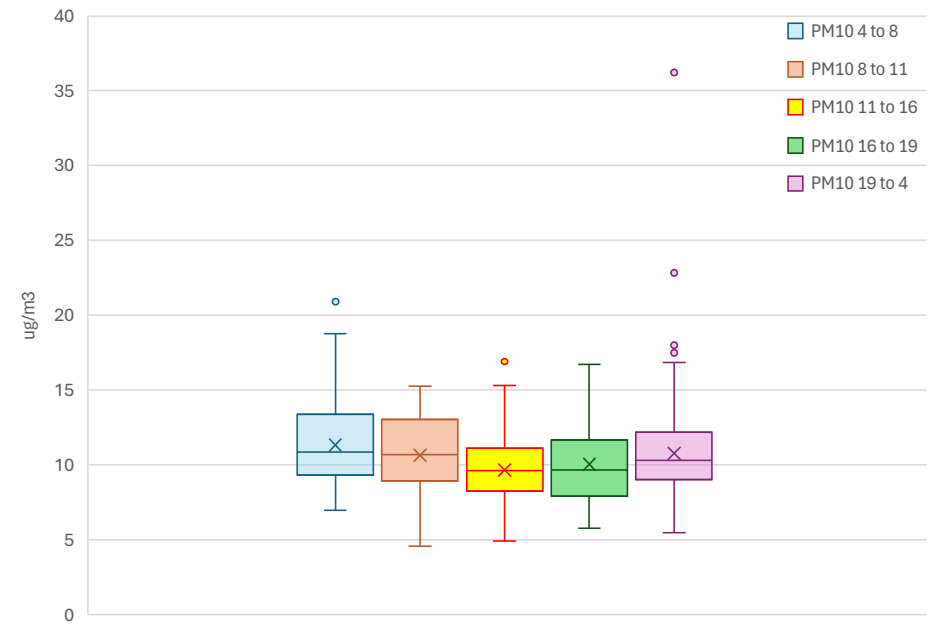
Hourly concentration distribution

PM1 hourly distribution



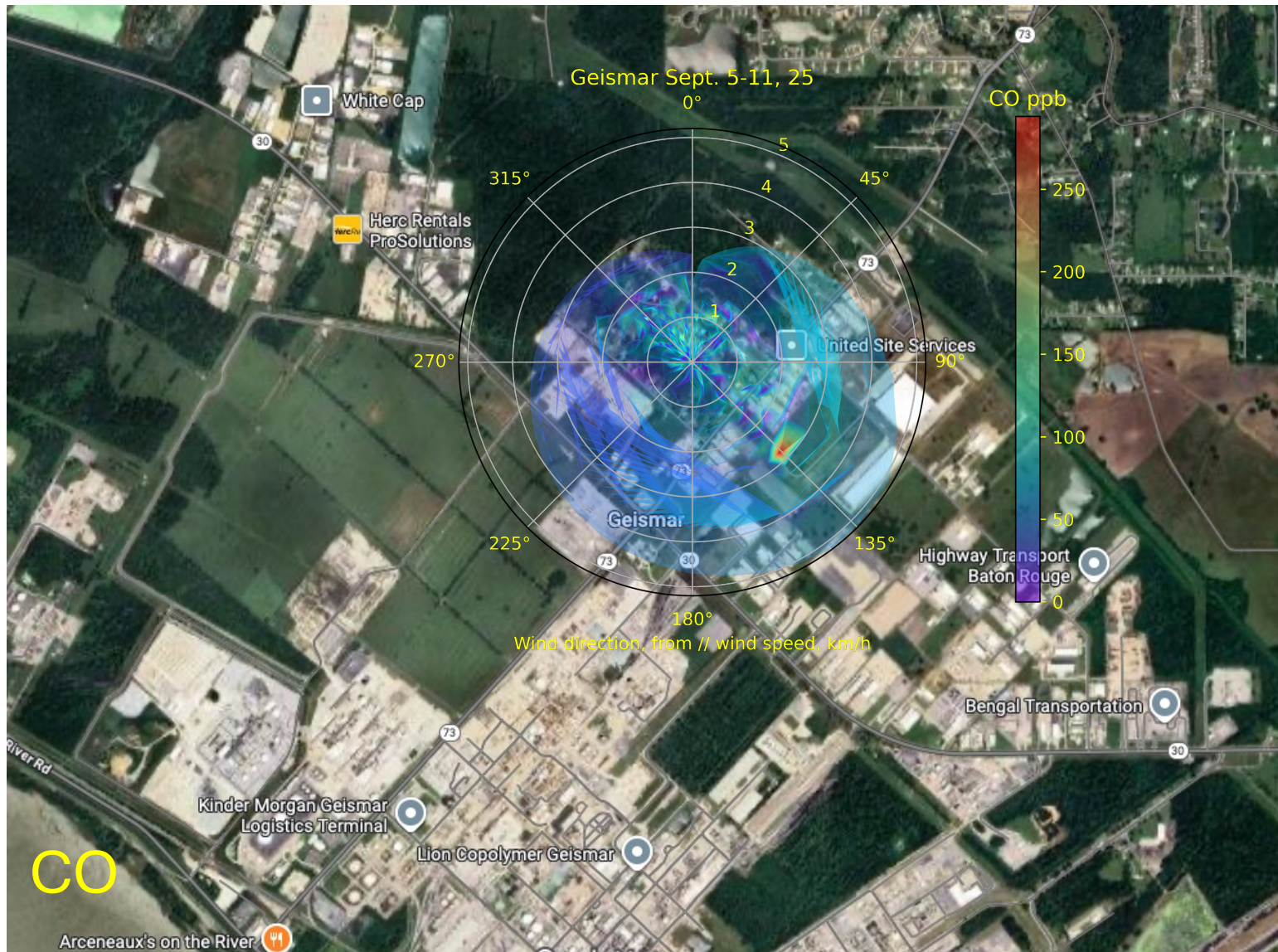
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	9.6	8.6	7.1	12.7	5.6	17.6	112
PM1 8 to 11	8.9	9.6	5.5	12.7	2.5	15.2	84
PM1 11 to 16	7.2	6.3	5.5	9.2	2.5	13.5	140
PM1 16 to 19	7.0	6.8	5.8	8.3	3.4	11.1	84
PM1 19 to 4	8.5	8.0	6.2	10.2	4.2	28.9	251

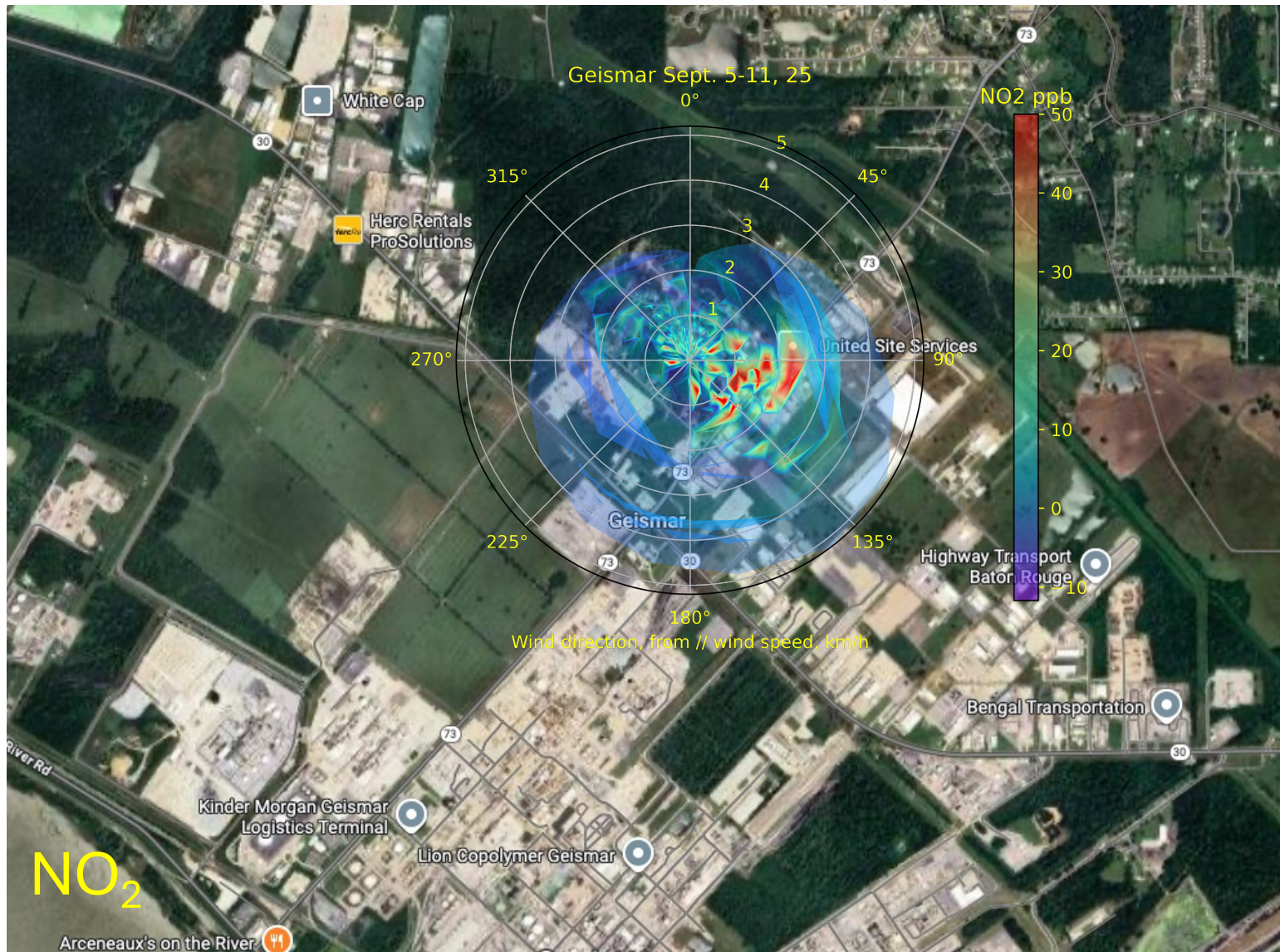
PM10 hourly distribution

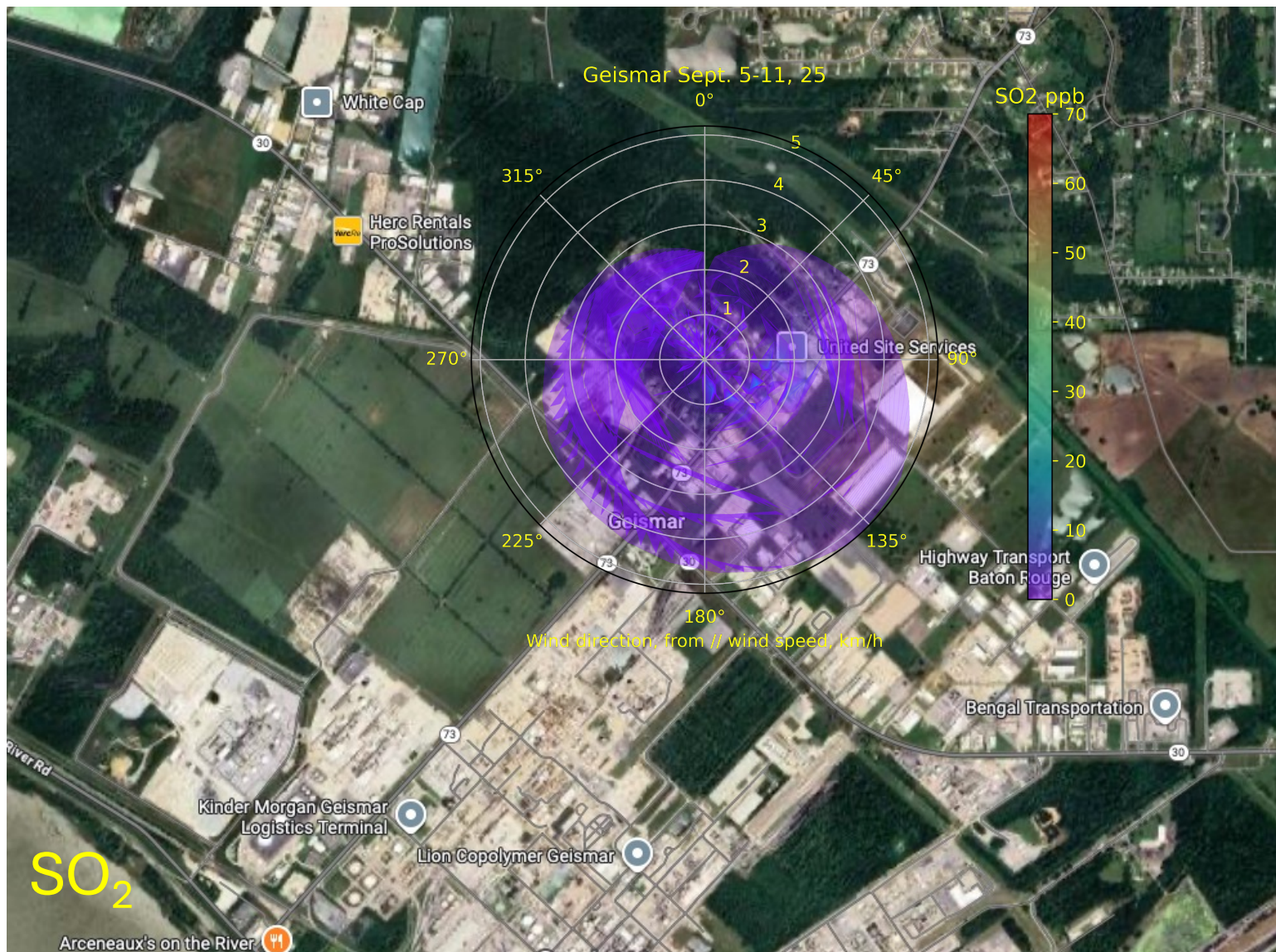


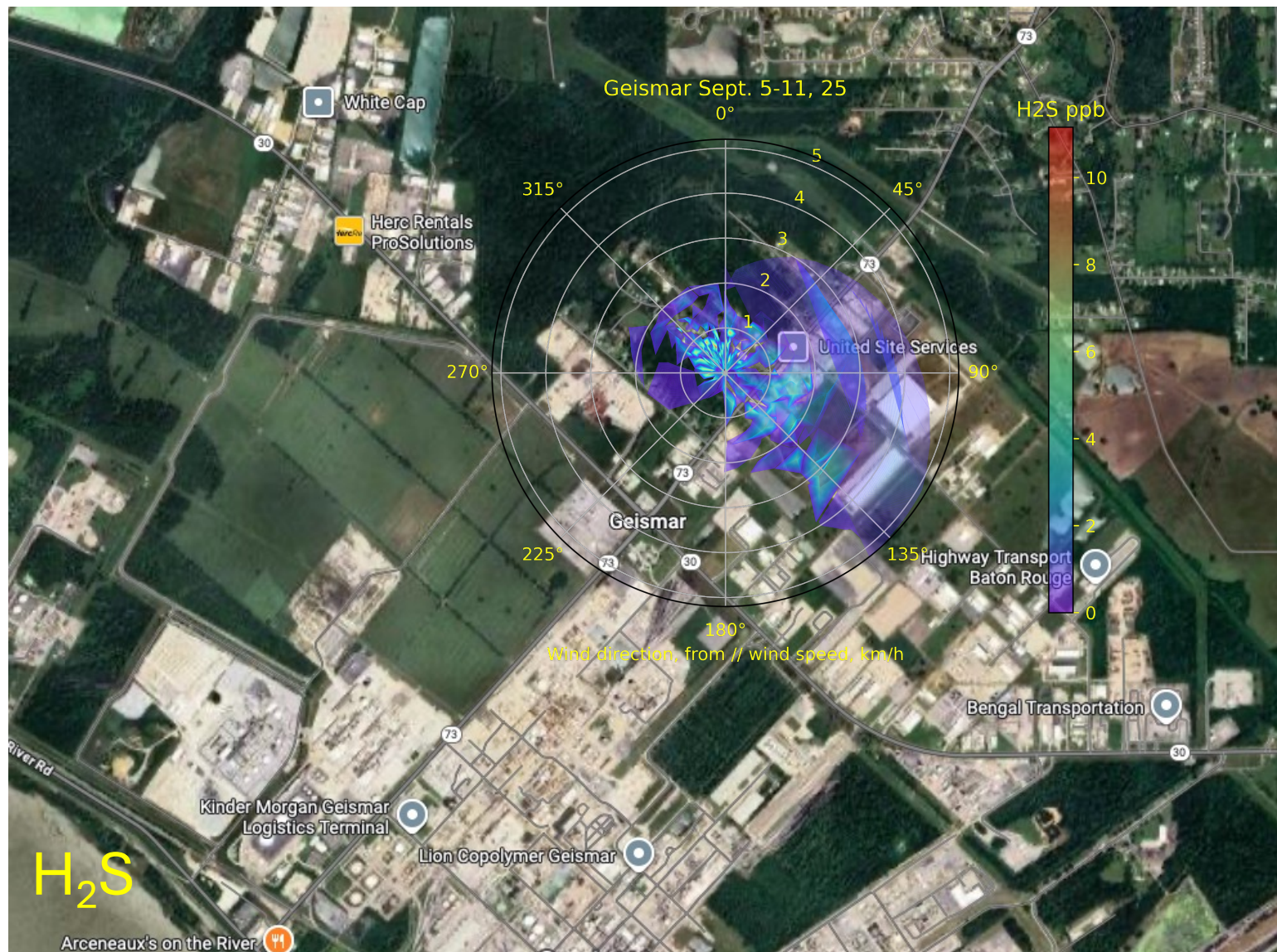
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	11.3	10.9	9.3	13.5	7.0	20.9	112
PM10 8 to 11	10.7	10.7	8.9	13.1	4.6	15.3	84
PM10 11 to 16	9.7	9.6	8.3	11.1	4.9	16.9	140
PM10 16 to 19	10.0	9.7	7.9	11.7	5.8	16.7	84
PM10 19 to 4	10.8	10.3	9.0	12.2	5.5	36.2	251

PM₁ data is not referenced and calibrated against regulatory monitor



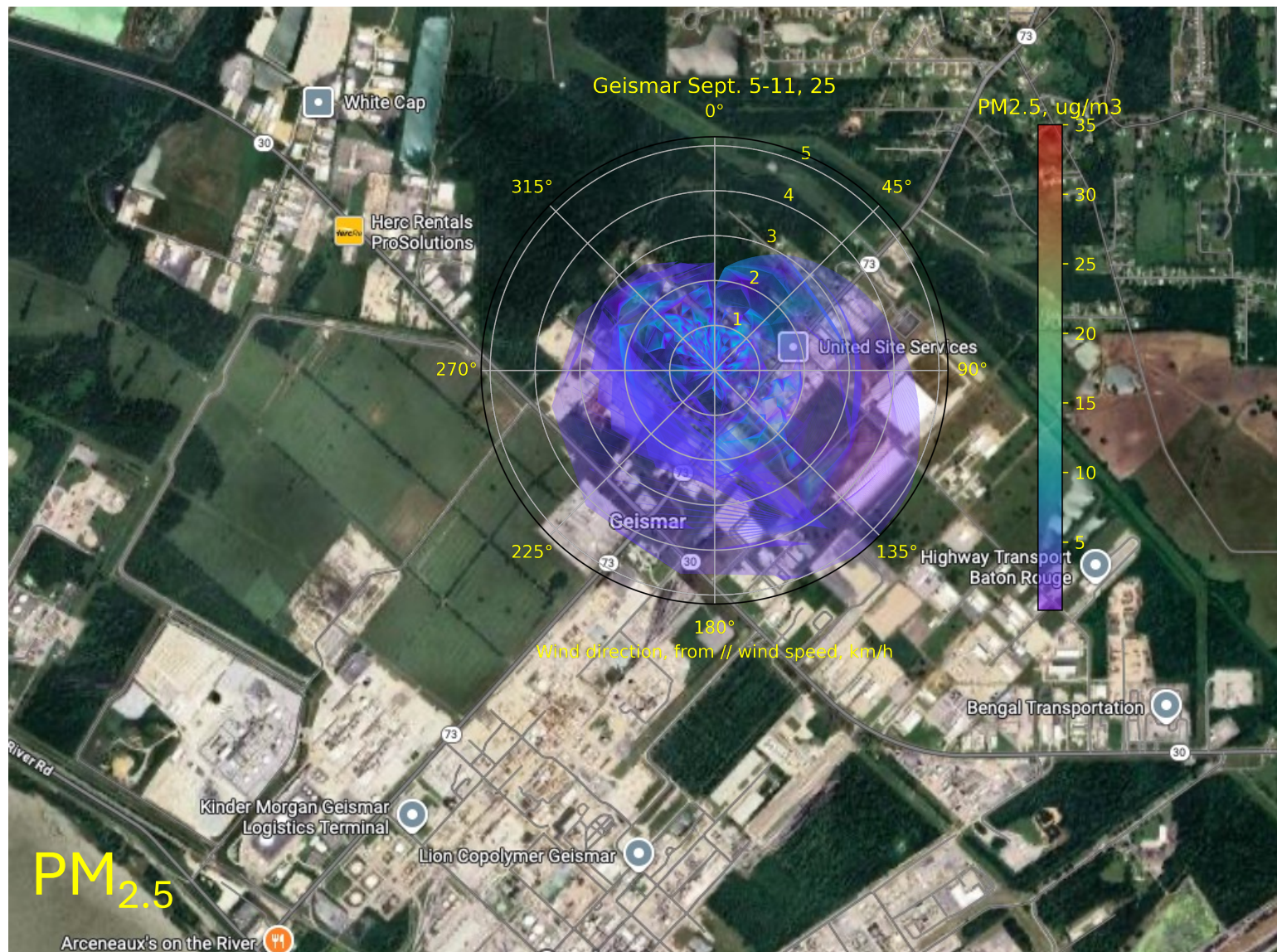


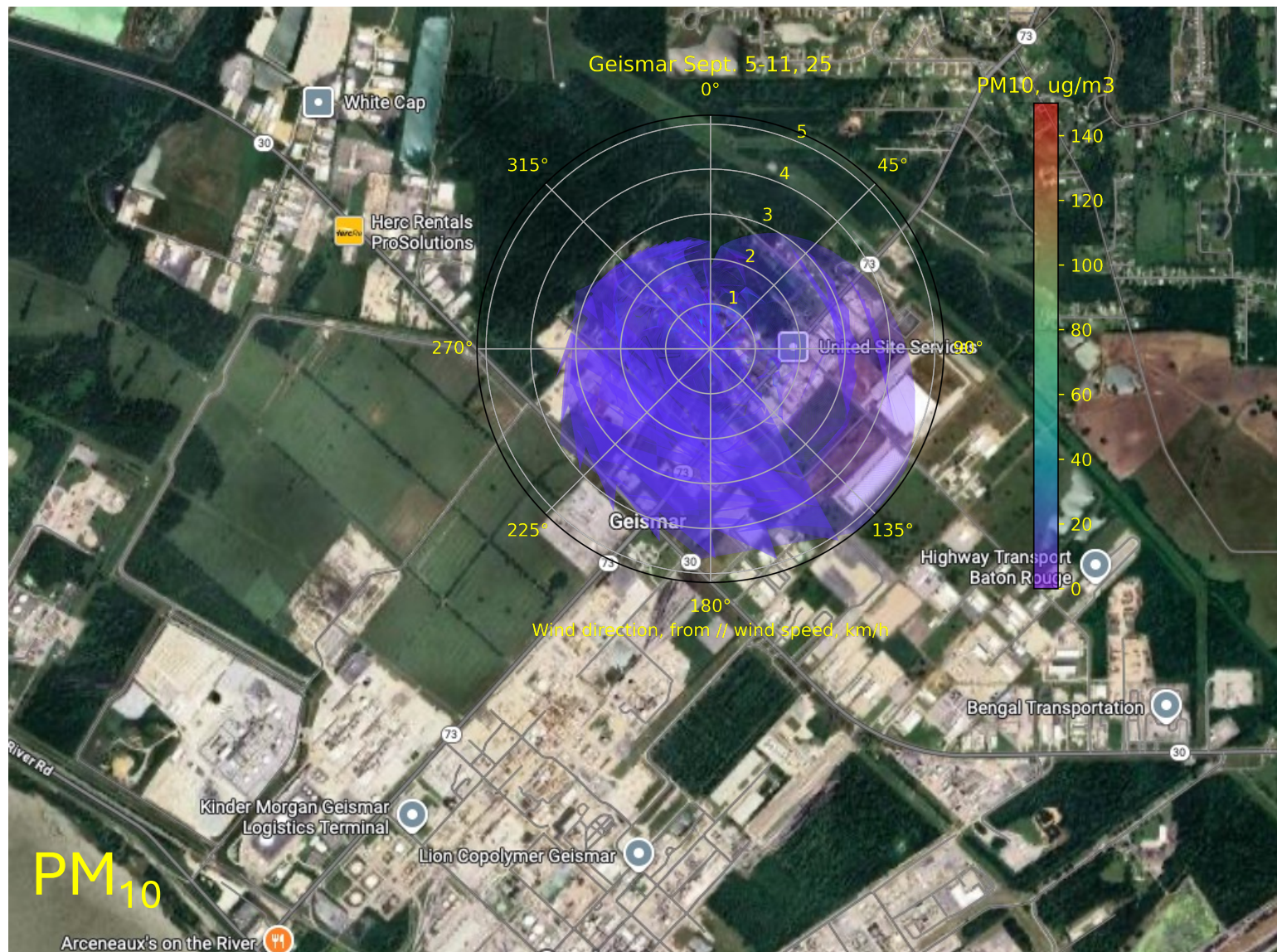












GEISMAR POD 09/05-09/11

- High levels of NO₂ with the wind from East, exceeding 50 ppb
- Daily TVOC and CO spikes, potentially of combustion origin, from South-East direction

