

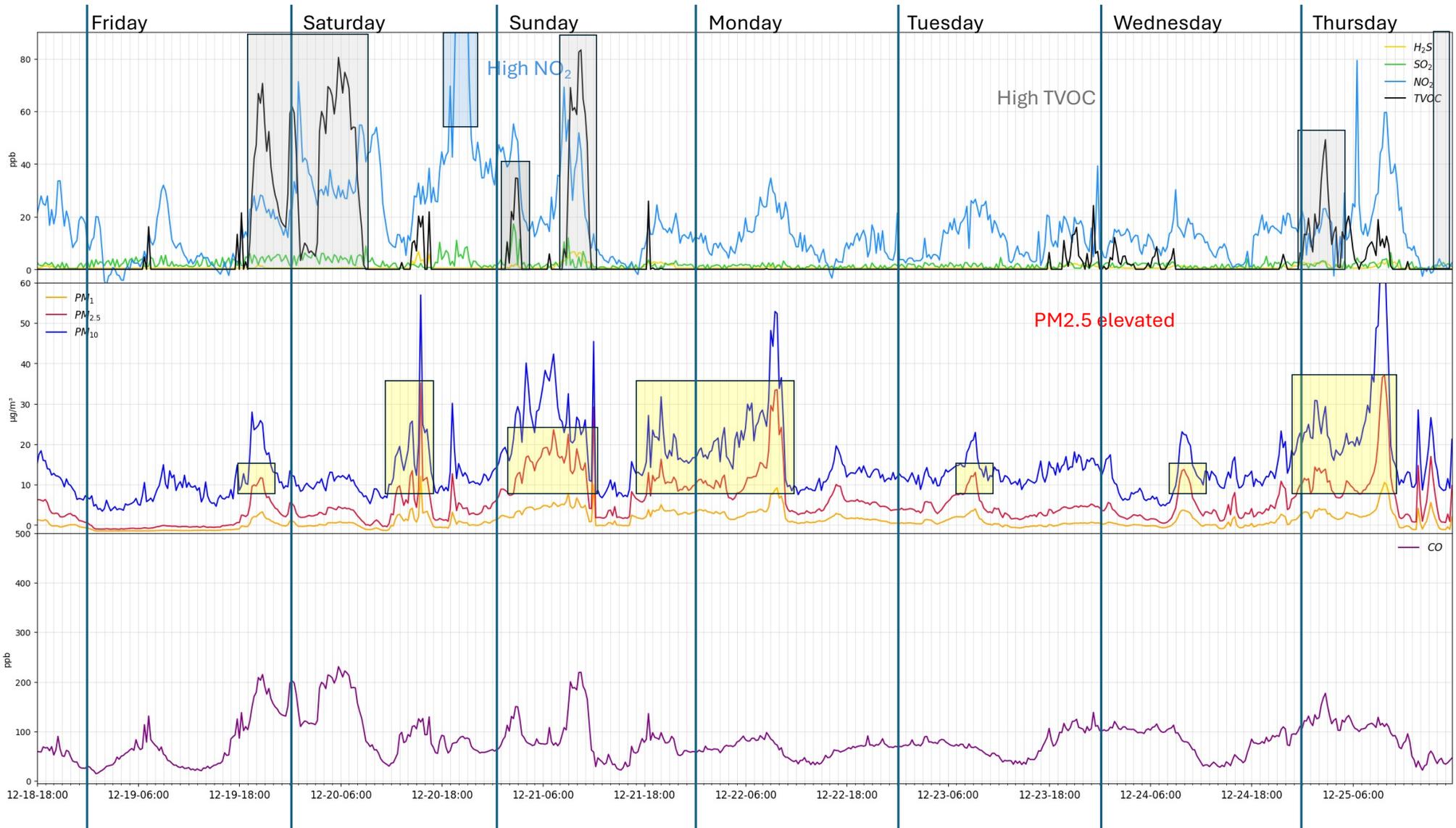
Geismar POD

December 19 – December 25, 2025

Disclaimer

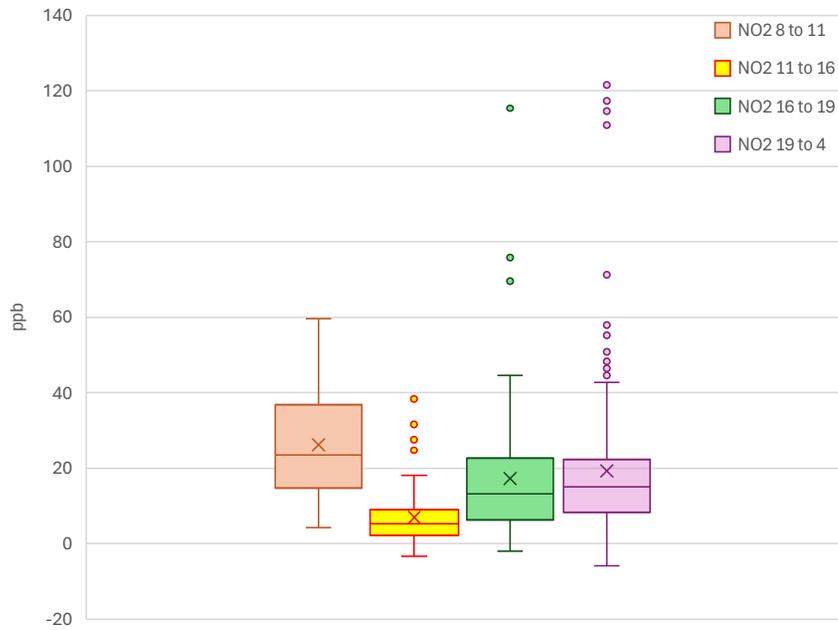
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



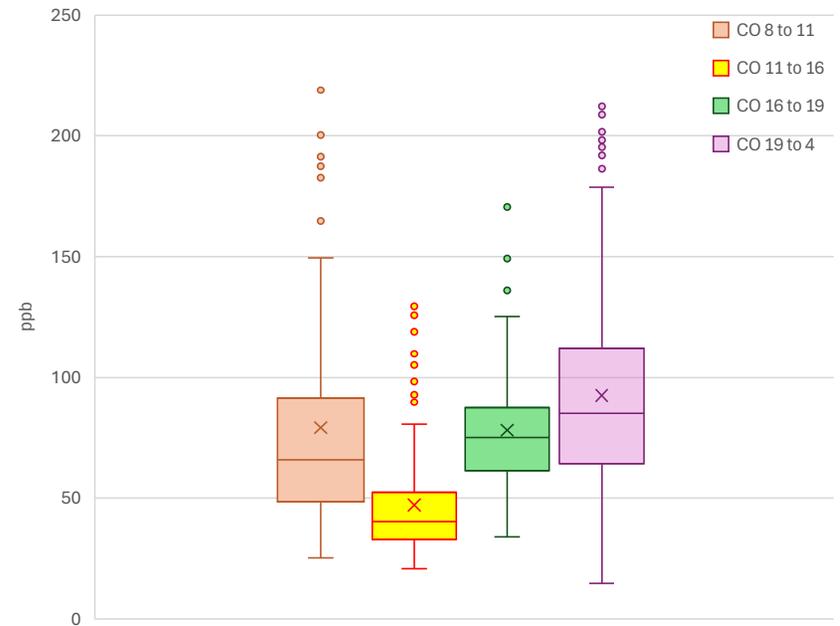
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	17.4	13.7	6.7	23.2	-5.9	121.6	672
NO2 8 to 11	26.2	23.6	14.7	36.8	4.3	59.6	84
NO2 11 to 16	7.0	5.2	2.3	8.9	-3.3	38.4	140
NO2 16 to 19	17.2	13.2	6.3	22.7	-1.9	115.4	84
NO2 19 to 4	19.3	15.1	8.3	22.4	-5.9	121.6	252

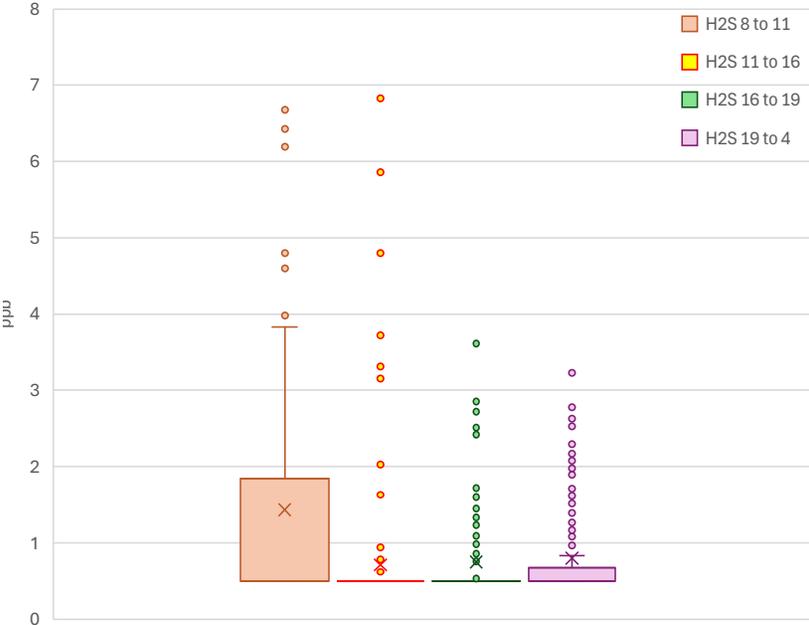
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	81.5	73.9	52.6	103.3	14.8	230.7	672
CO 8 to 11	79.2	65.9	48.5	91.6	25.3	219.4	84
CO 11 to 16	47.3	40.2	32.9	52.4	20.9	129.4	140
CO 16 to 19	78.2	75.1	61.5	87.5	34.0	170.6	84
CO 19 to 4	92.4	85.3	64.2	112.5	14.8	214.8	252

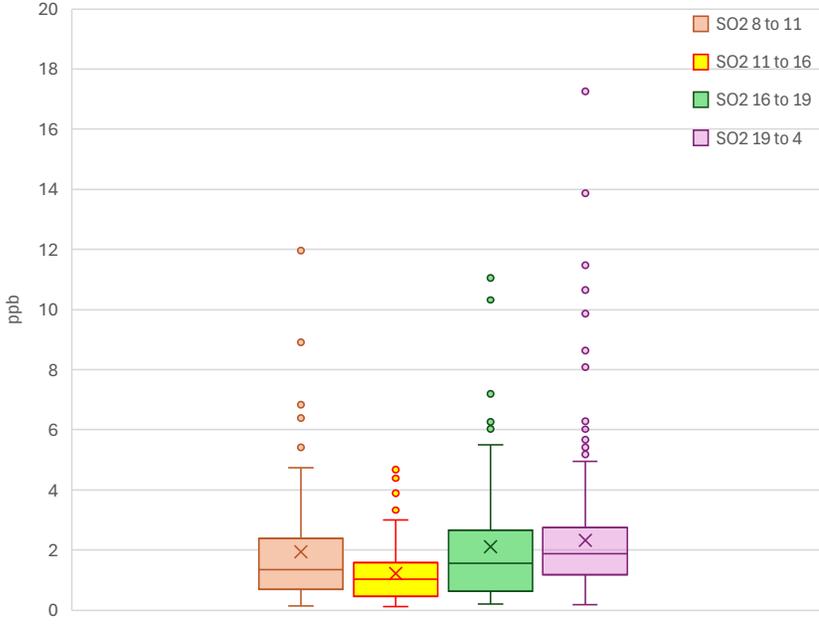
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.8	0.5	0.5	0.6	0.5	6.8	672
H2S 8 to 11	1.4	0.5	0.5	1.9	0.5	6.7	84
H2S 11 to 16	0.7	0.5	0.5	0.5	0.5	6.8	140
H2S 16 to 19	0.7	0.5	0.5	0.5	0.5	3.6	84
H2S 19 to 4	0.8	0.5	0.5	0.7	0.5	3.2	252

SO2 hourly distribution

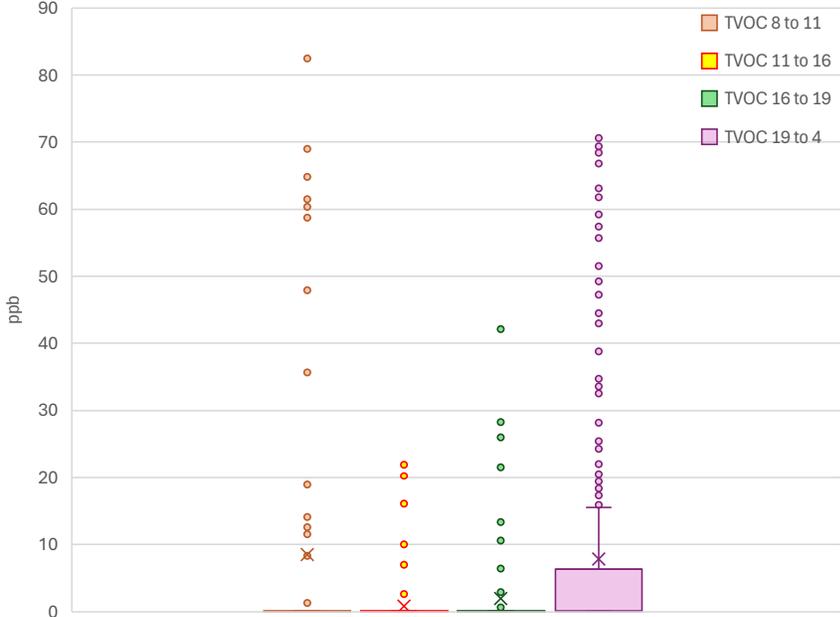


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	2.0	1.6	0.9	2.6	0.1	17.3	672
SO2 8 to 11	1.9	1.4	0.7	2.4	0.2	12.0	84
SO2 11 to 16	1.2	1.0	0.5	1.6	0.1	4.7	140
SO2 16 to 19	2.1	1.6	0.6	2.7	0.2	11.1	84
SO2 19 to 4	2.3	1.9	1.2	2.8	0.2	17.3	252

H₂S data is not referenced and calibrated against regulatory monitor

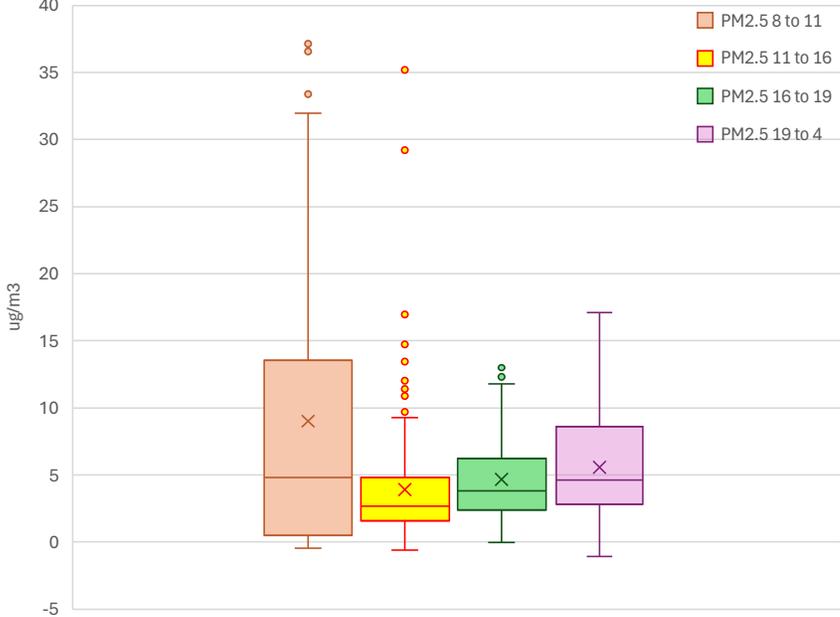
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	6.1	0.1	0.1	1.7	0.1	83.3	672
TVOC 8 to 11	8.5	0.1	0.1	0.1	0.1	83.3	84
TVOC 11 to 16	0.9	0.1	0.1	0.1	0.1	21.9	140
TVOC 16 to 19	2.0	0.1	0.1	0.1	0.1	42.1	84
TVOC 19 to 4	7.9	0.1	0.1	6.4	0.1	70.6	252

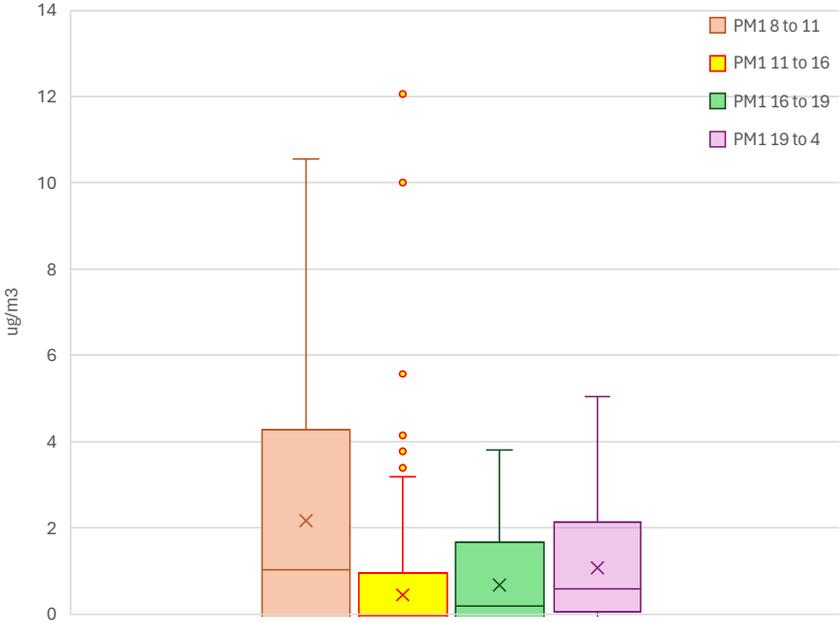
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	5.8	4.1	2.1	8.6	-1.1	37.1	672
PM2.5 8 to 11	9.0	4.8	0.5	13.6	-0.4	37.1	84
PM2.5 11 to 16	3.9	2.7	1.6	4.8	-0.6	35.2	140
PM2.5 16 to 19	4.7	3.8	2.4	6.2	0.0	13.0	84
PM2.5 19 to 4	5.6	4.6	2.8	8.6	-1.1	17.1	252

Hourly concentration distribution

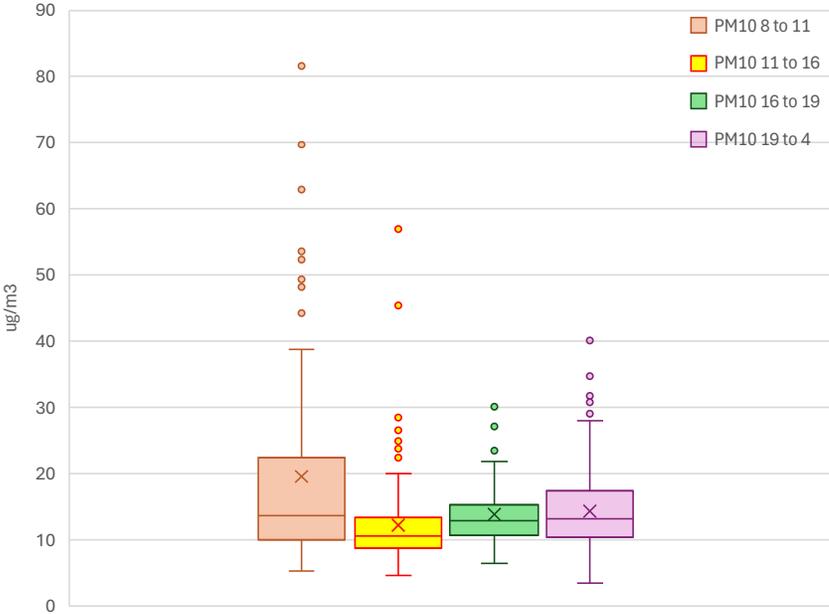
PM1 hourly distribution



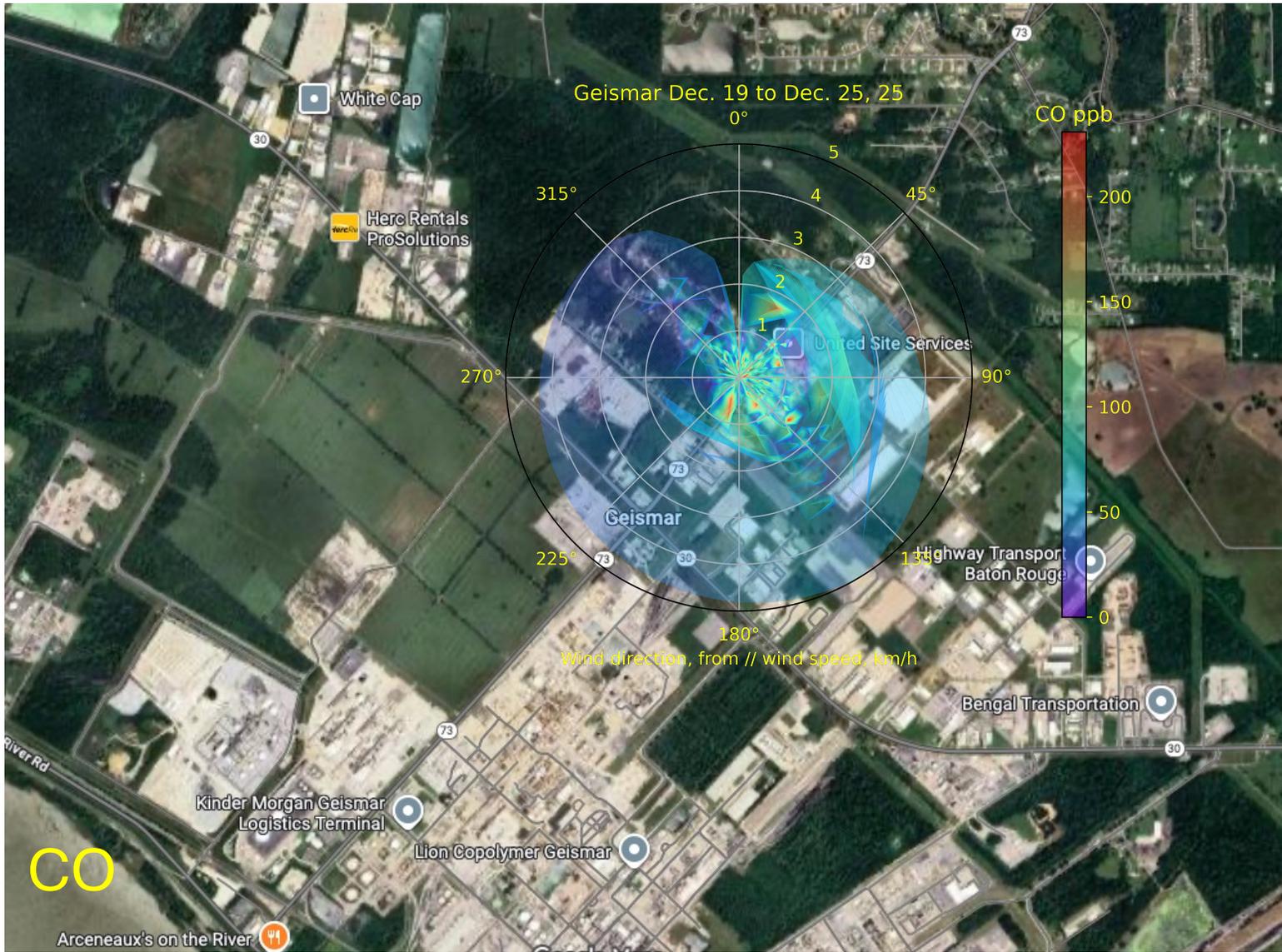
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM14 to 8	1.1	0.5	-0.2	2.1	-1.5	12.1	672
PM18 to 11	2.2	1.0	-1.0	4.3	-1.4	10.6	84
PM11 to 16	0.4	0.0	-0.6	1.0	-1.4	12.1	140
PM16 to 19	0.7	0.2	-0.3	1.7	-1.2	3.8	84
PM19 to 4	1.1	0.6	0.1	2.1	-1.5	5.0	252

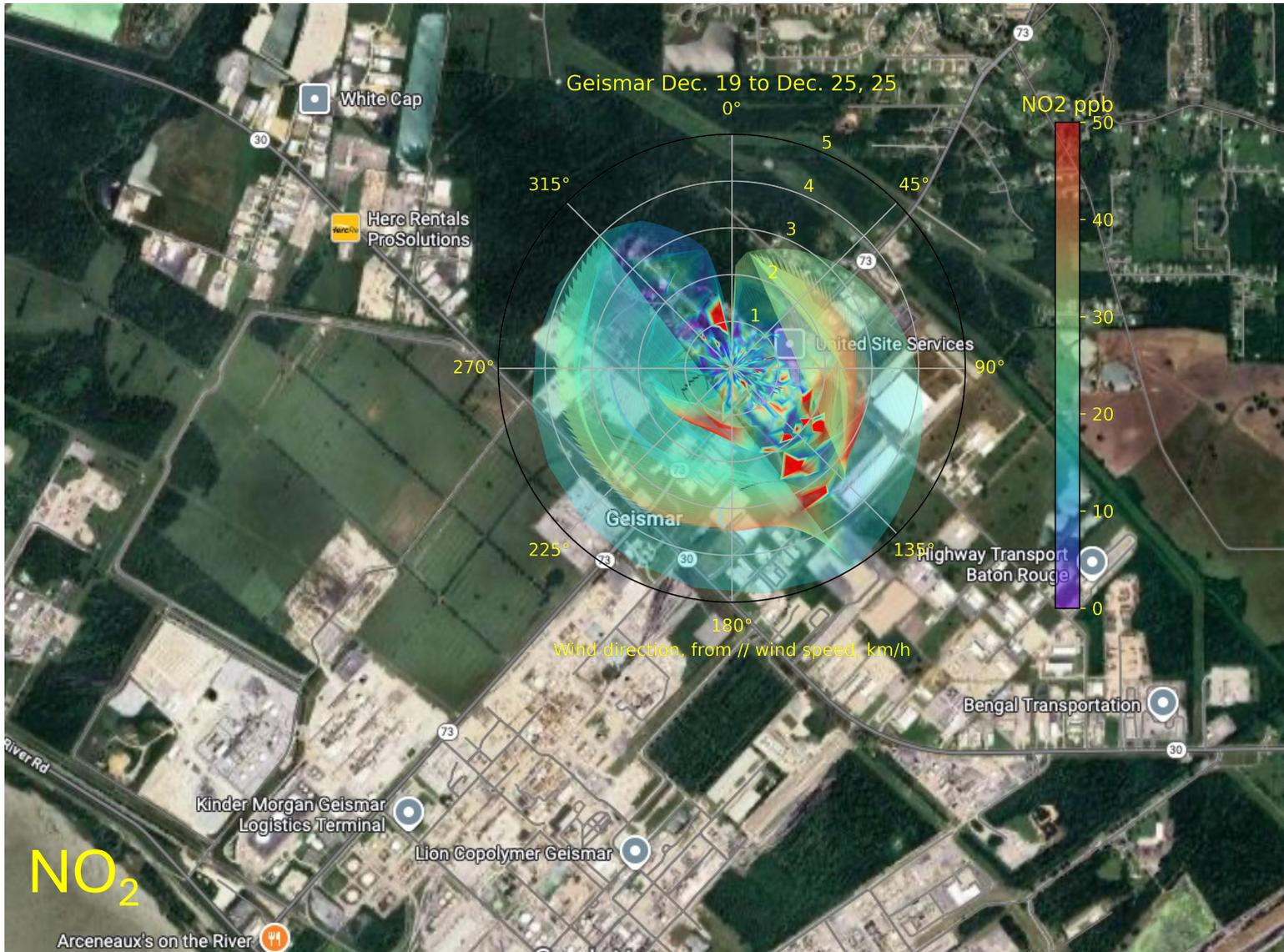
PM₁ data is not referenced and calibrated against regulatory monitor

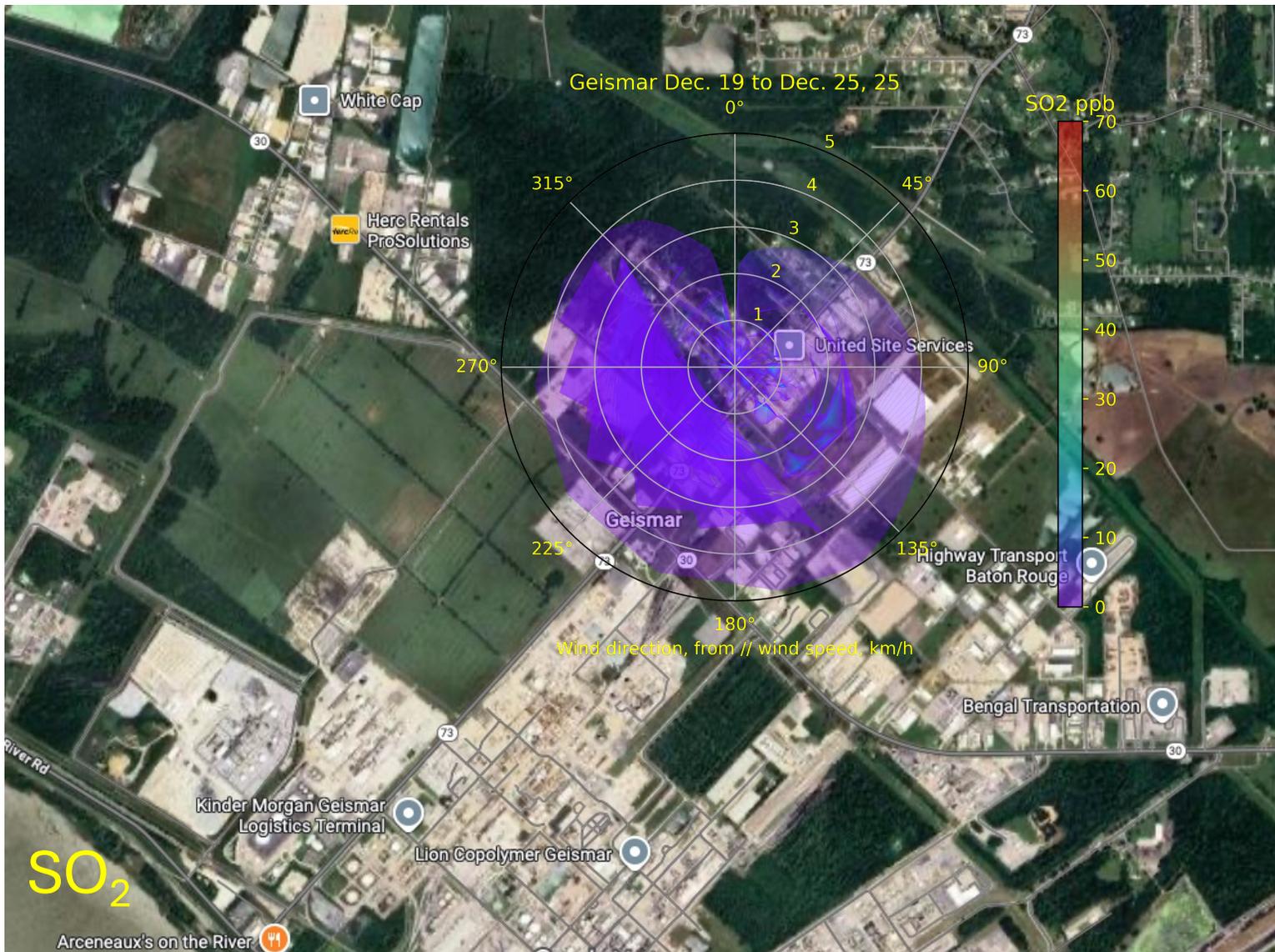
PM10 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	15.0	12.6	9.7	17.9	3.4	81.6	672
PM10 8 to 11	19.6	13.6	10.0	22.4	5.3	81.6	84
PM10 11 to 16	12.2	10.6	8.8	13.4	4.6	56.9	140
PM10 16 to 19	13.8	12.8	10.7	15.3	6.5	30.1	84
PM10 19 to 4	14.3	13.2	10.3	17.4	3.4	40.1	252

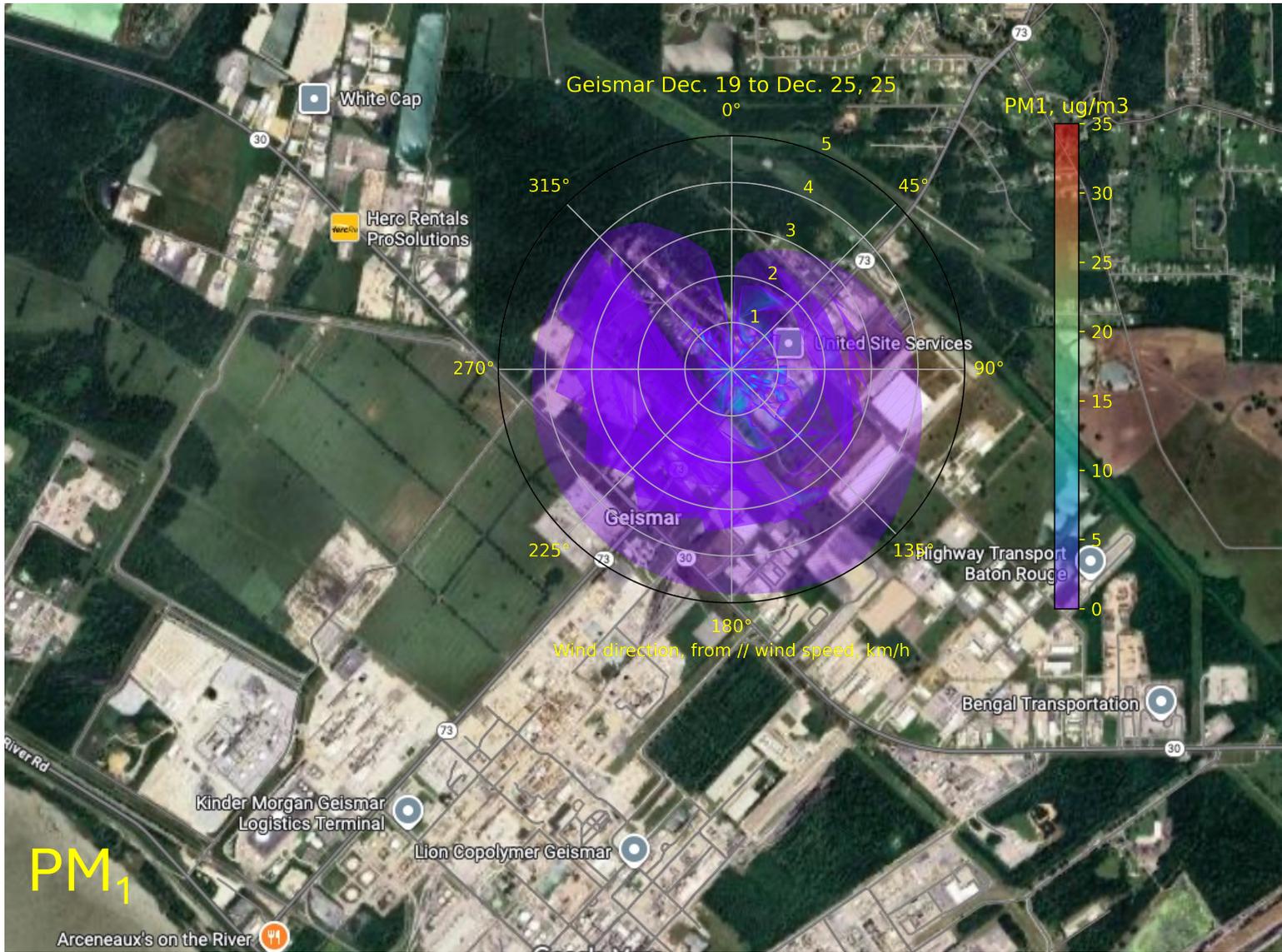


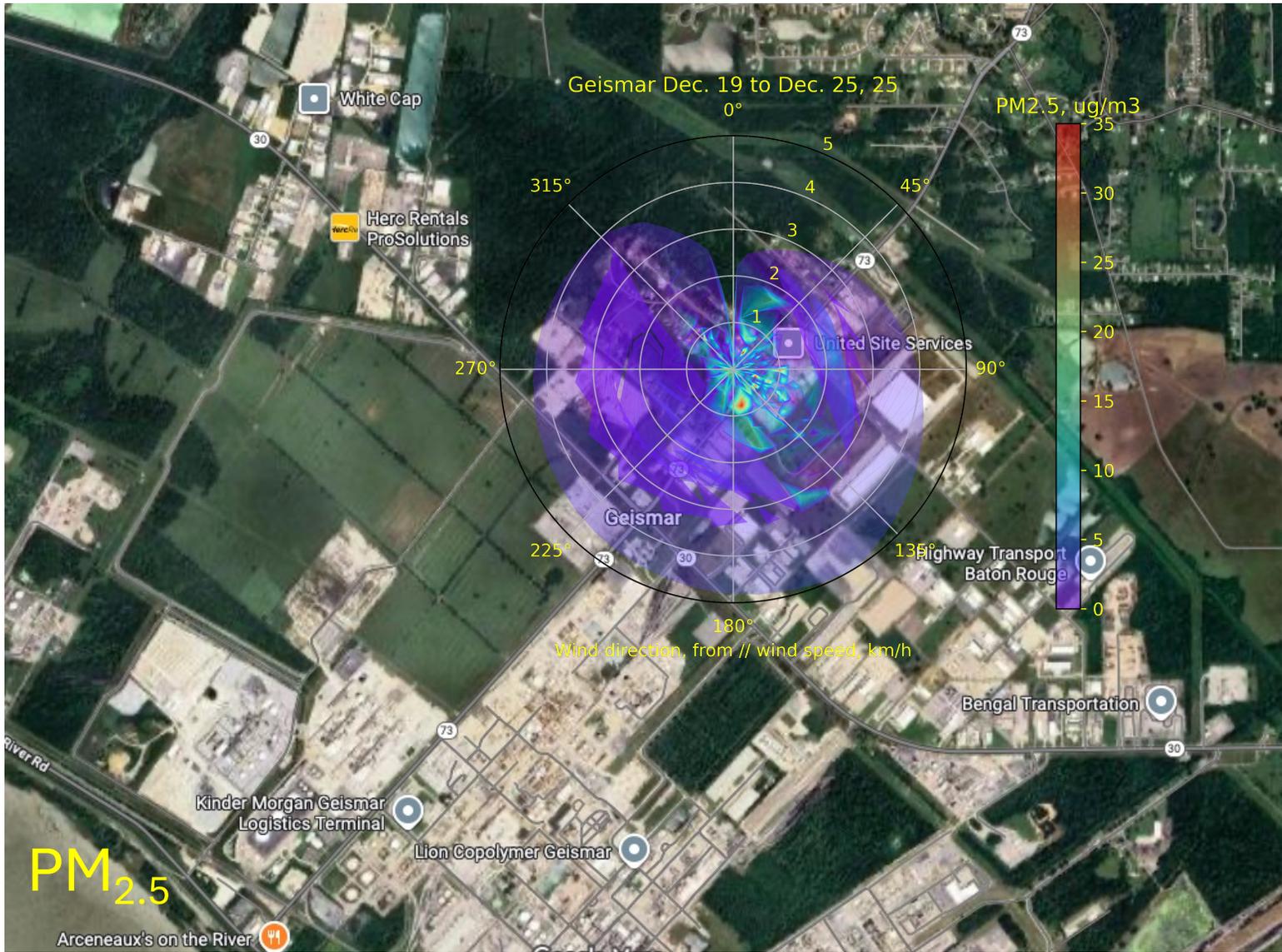


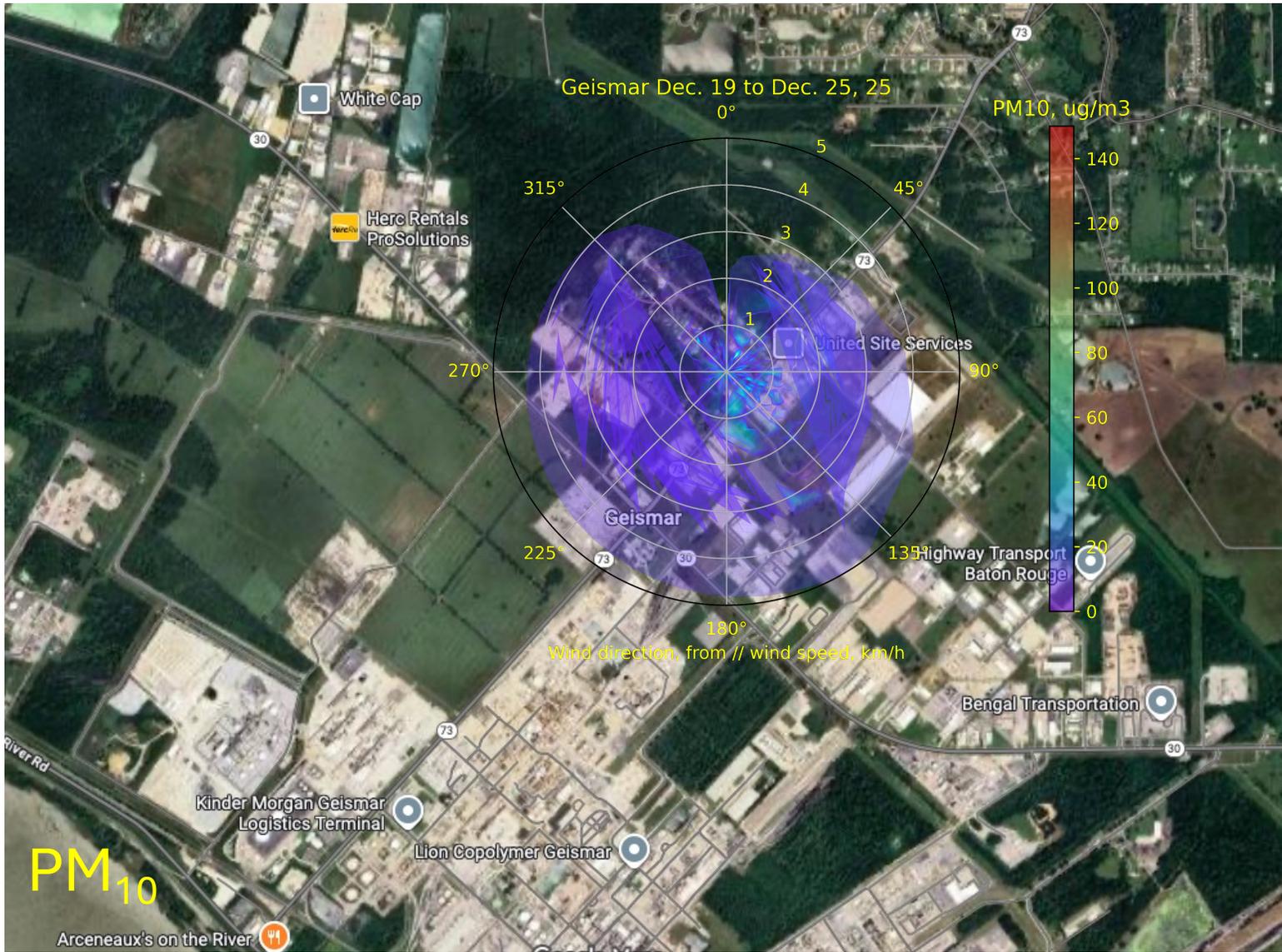












GEISMAR POD 12/19-12/25

- TVOC driven from 3 directions however the concentrations are lowered compared to previous week
- $PM_{2.5}$ has a clear directional origin (South-South-East) and contribute to elevated average $PM_{2.5}$ at morning hours

