

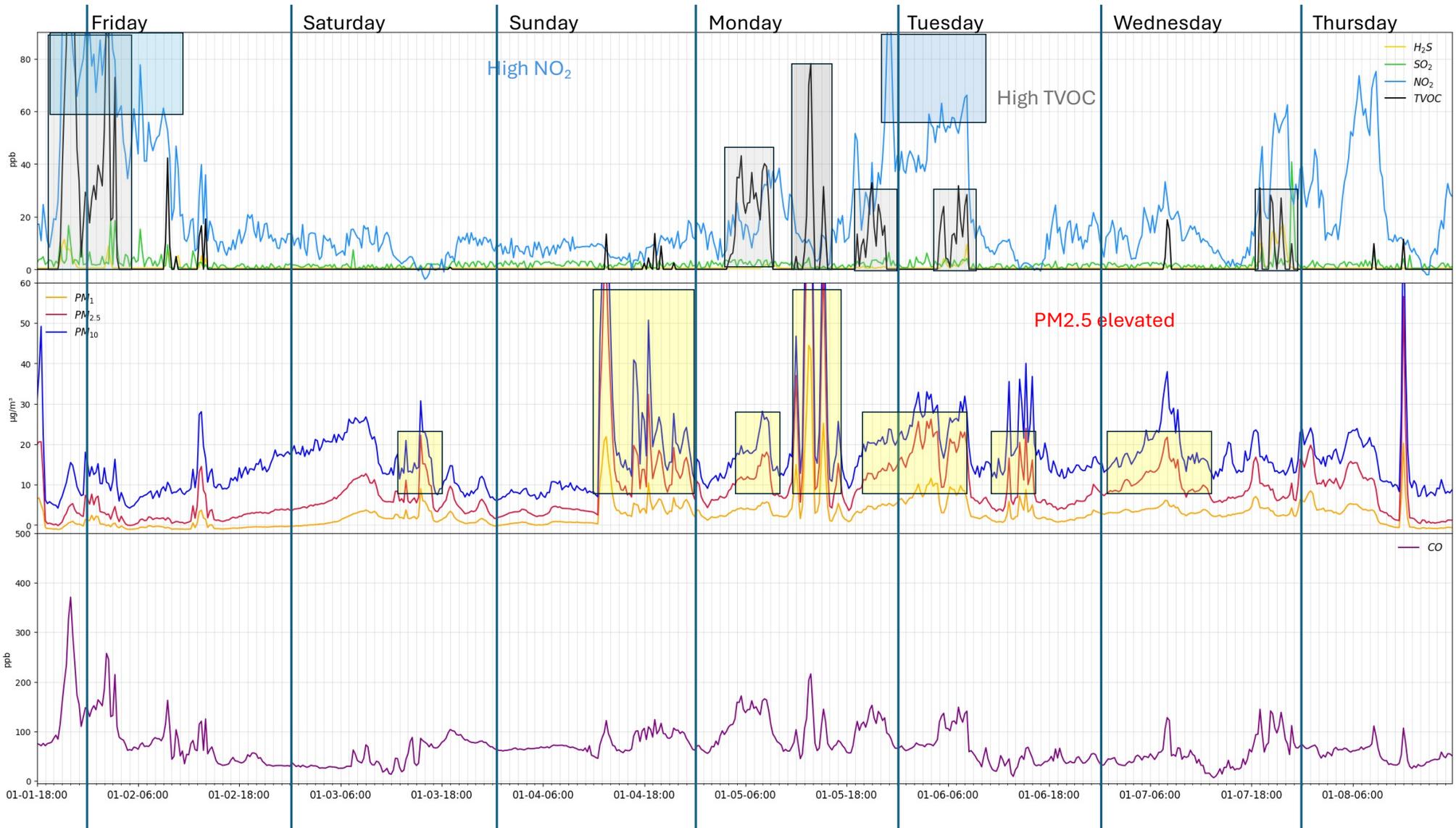
# Geismar POD

January 2 - January 8, 2026

## *Disclaimer*

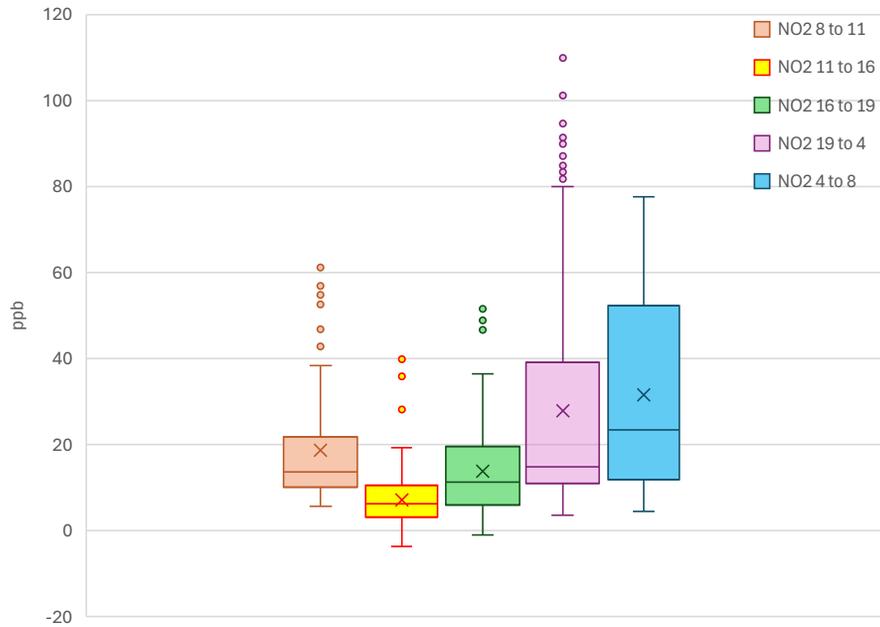
*The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



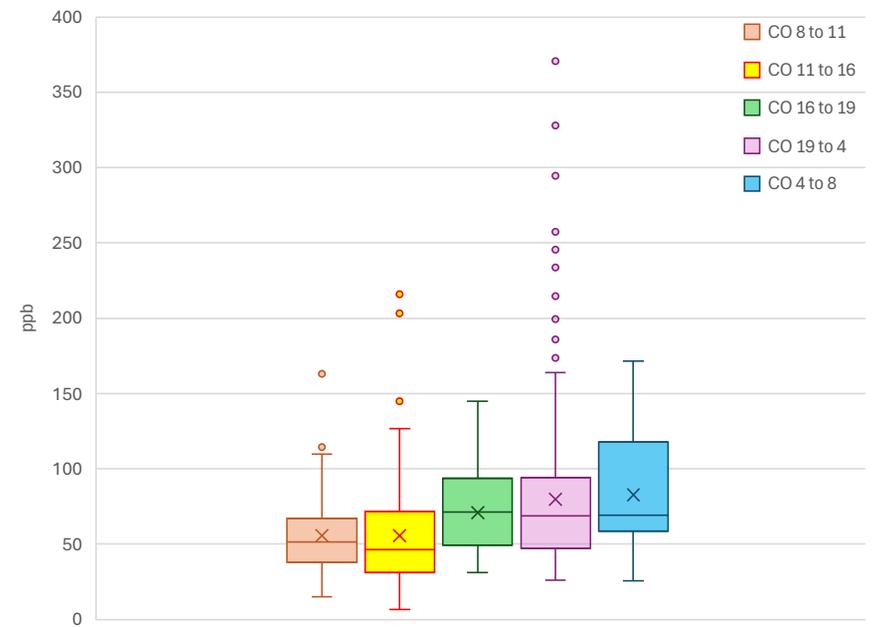
# Hourly concentration distribution

NO<sub>2</sub> hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO <sub>2</sub> 4 to 8	31.6	23.5	11.9	52.3	4.4	77.6	112
NO <sub>2</sub> 8 to 11	18.6	13.6	10.2	21.8	5.7	61.2	84
NO <sub>2</sub> 11 to 16	7.1	6.2	3.1	10.5	-3.7	39.8	140
NO <sub>2</sub> 16 to 19	13.8	11.3	5.9	19.6	-0.9	51.6	84
NO <sub>2</sub> 19 to 4	27.8	14.9	11.0	39.7	3.6	109.9	252

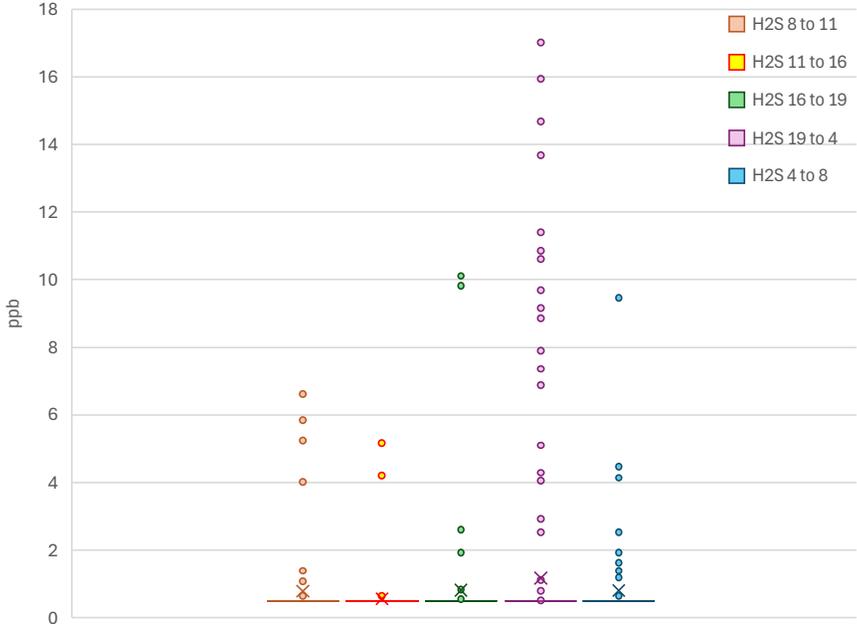
CO hourly distribution



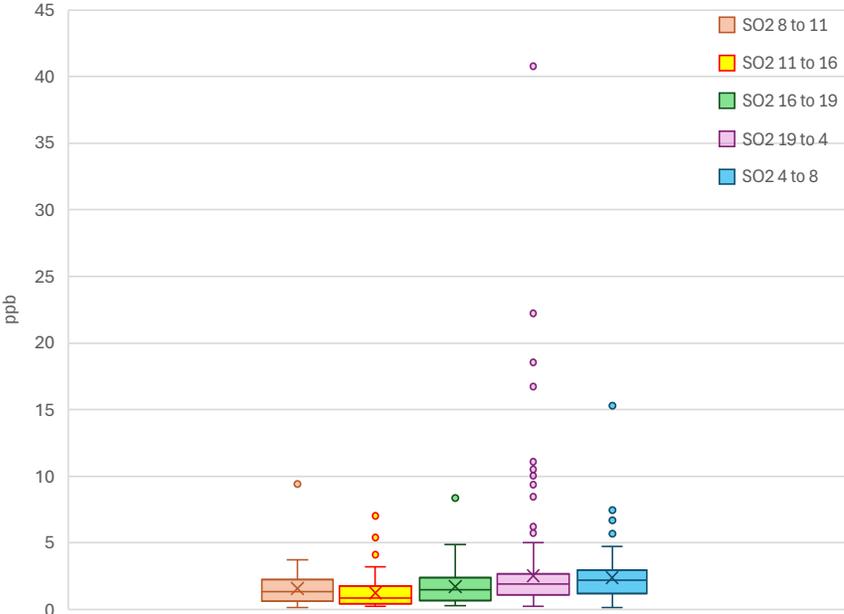
ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	82.7	69.3	58.7	117.7	25.6	171.7	112
CO 8 to 11	55.7	51.4	38.0	67.2	15.1	162.9	84
CO 11 to 16	55.7	46.4	31.0	71.6	6.7	216.1	140
CO 16 to 19	71.0	71.2	49.4	93.6	31.4	144.9	84
CO 19 to 4	79.8	68.8	47.0	94.6	26.1	370.8	252

# Hourly concentration distribution

H<sub>2</sub>S hourly distribution



SO<sub>2</sub> hourly distribution



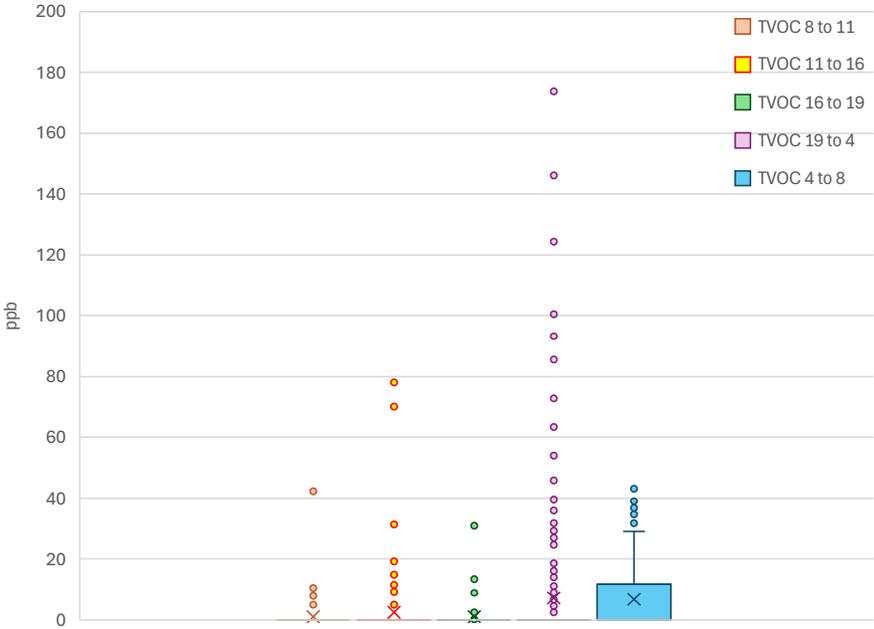
ppb	Mean	Median	Q1	Q3	Min	Max	# points
H <sub>2</sub> S 4 to 8	0.8	0.5	0.5	0.5	0.5	9.5	112
H <sub>2</sub> S 8 to 11	0.8	0.5	0.5	0.5	0.5	6.6	84
H <sub>2</sub> S 11 to 16	0.6	0.5	0.5	0.5	0.5	5.2	140
H <sub>2</sub> S 16 to 19	0.8	0.5	0.5	0.5	0.5	10.1	84
H <sub>2</sub> S 19 to 4	1.2	0.5	0.5	0.5	0.5	17.0	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO <sub>2</sub> 4 to 8	2.4	2.2	1.2	3.0	0.2	15.3	112
SO <sub>2</sub> 8 to 11	1.6	1.3	0.6	2.2	0.2	9.4	84
SO <sub>2</sub> 11 to 16	1.3	0.9	0.5	1.8	0.2	7.0	140
SO <sub>2</sub> 16 to 19	1.7	1.5	0.7	2.4	0.3	8.4	84
SO <sub>2</sub> 19 to 4	2.6	1.9	1.1	2.7	0.2	40.8	252

H<sub>2</sub>S data is not referenced and calibrated against regulatory monitor

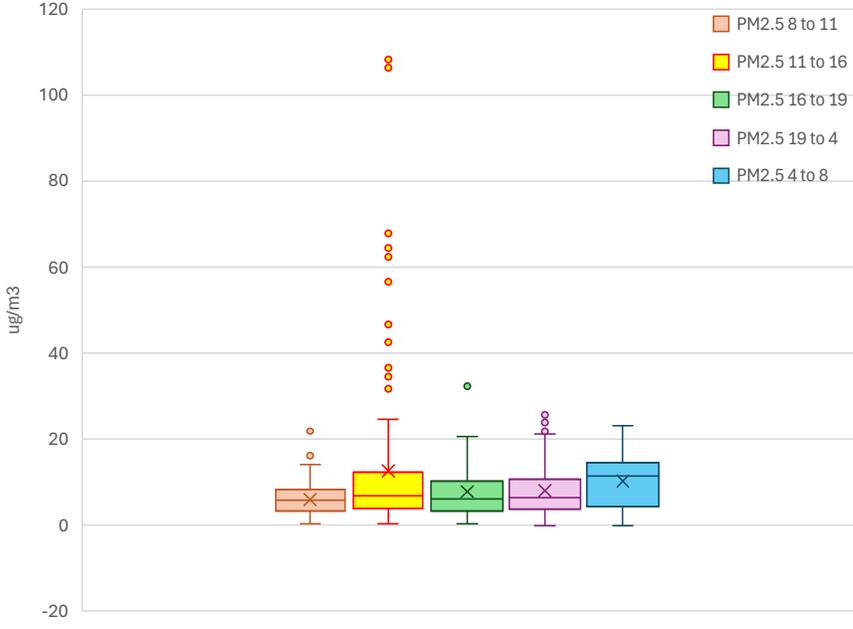
# Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	6.8	0.1	0.1	11.7	0.1	43.1	112
TVOC 8 to 11	1.0	0.1	0.1	0.1	0.1	42.3	84
TVOC 11 to 16	2.5	0.1	0.1	0.1	0.1	78.1	140
TVOC 16 to 19	1.0	0.1	0.1	0.1	0.1	30.9	84
TVOC 19 to 4	7.2	0.1	0.1	0.1	0.1	173.8	252

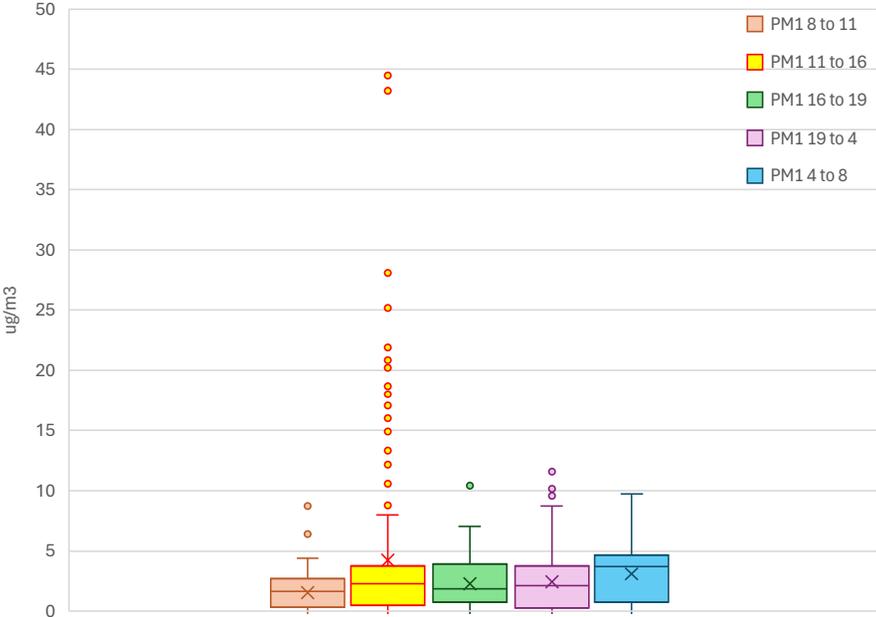
PM<sub>2.5</sub> hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM <sub>2.5</sub> 4 to 8	10.3	11.4	4.3	14.5	-0.1	23.1	112
PM <sub>2.5</sub> 8 to 11	5.9	5.8	3.3	8.3	0.4	21.9	84
PM <sub>2.5</sub> 11 to 16	12.7	6.9	3.8	12.3	0.4	108.2	140
PM <sub>2.5</sub> 16 to 19	7.8	6.2	3.4	10.3	0.3	32.4	84
PM <sub>2.5</sub> 19 to 4	8.0	6.4	3.7	10.8	-0.1	26.2	252

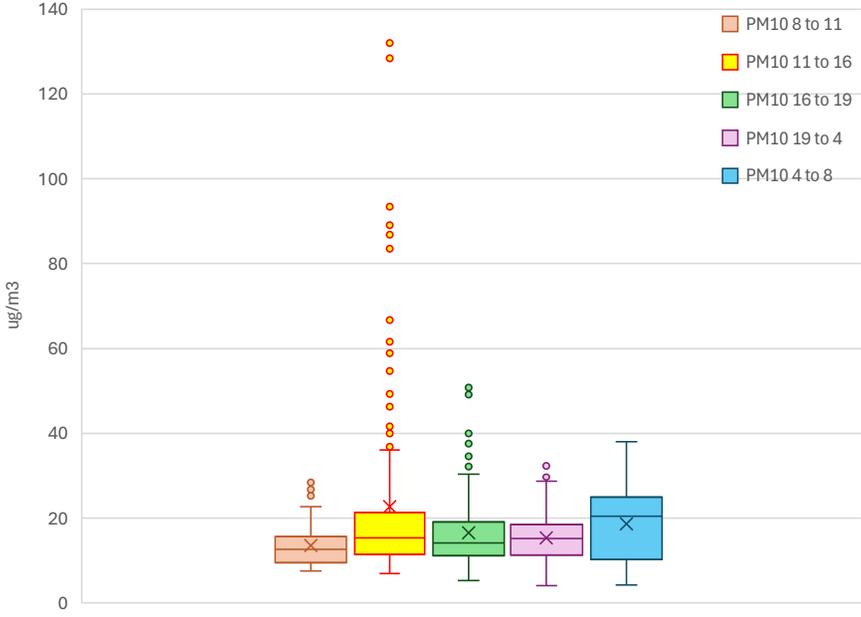
# Hourly concentration distribution

PM<sub>1</sub> hourly distribution



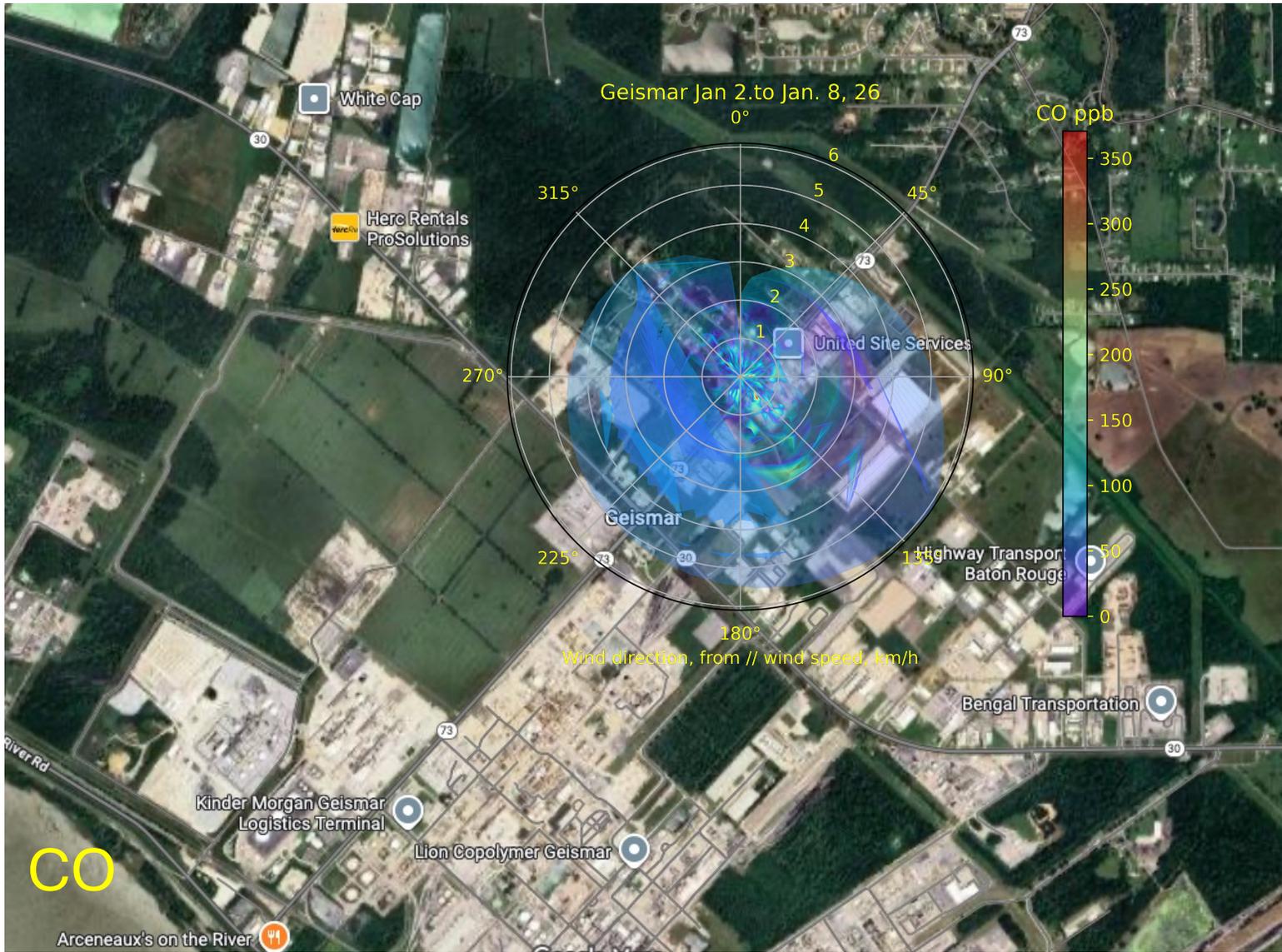
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM <sub>1</sub> 4 to 8	3.1	3.7	0.8	4.7	-1.1	9.8	112
PM <sub>1</sub> 8 to 11	1.5	1.6	0.3	2.7	-1.1	8.7	84
PM <sub>1</sub> 11 to 16	4.2	2.3	0.5	3.8	-1.0	44.5	140
PM <sub>1</sub> 16 to 19	2.3	1.9	0.7	3.9	-0.9	10.4	84
PM <sub>1</sub> 19 to 4	2.4	2.1	0.3	3.8	-1.1	11.6	252

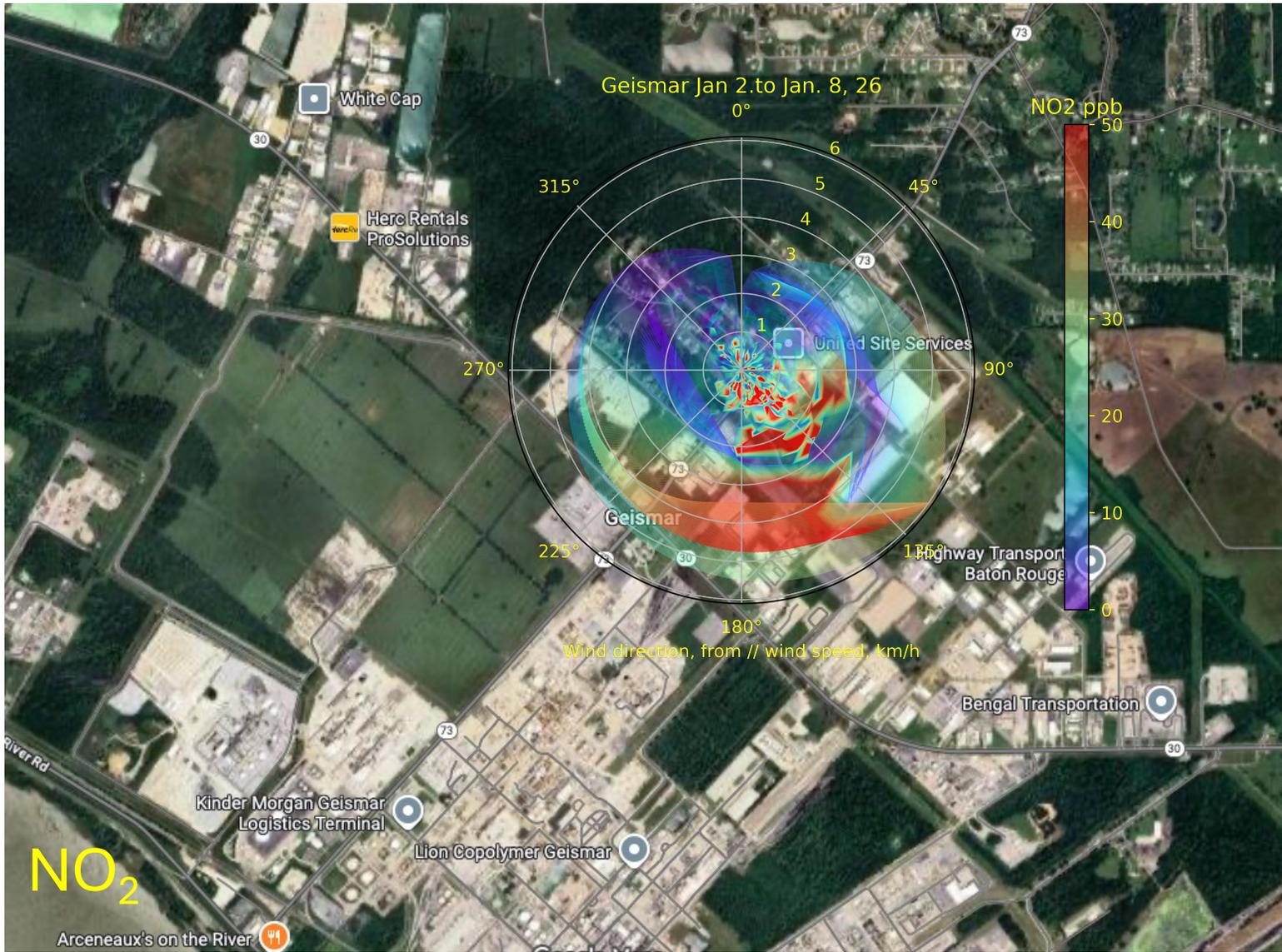
PM<sub>10</sub> hourly distribution

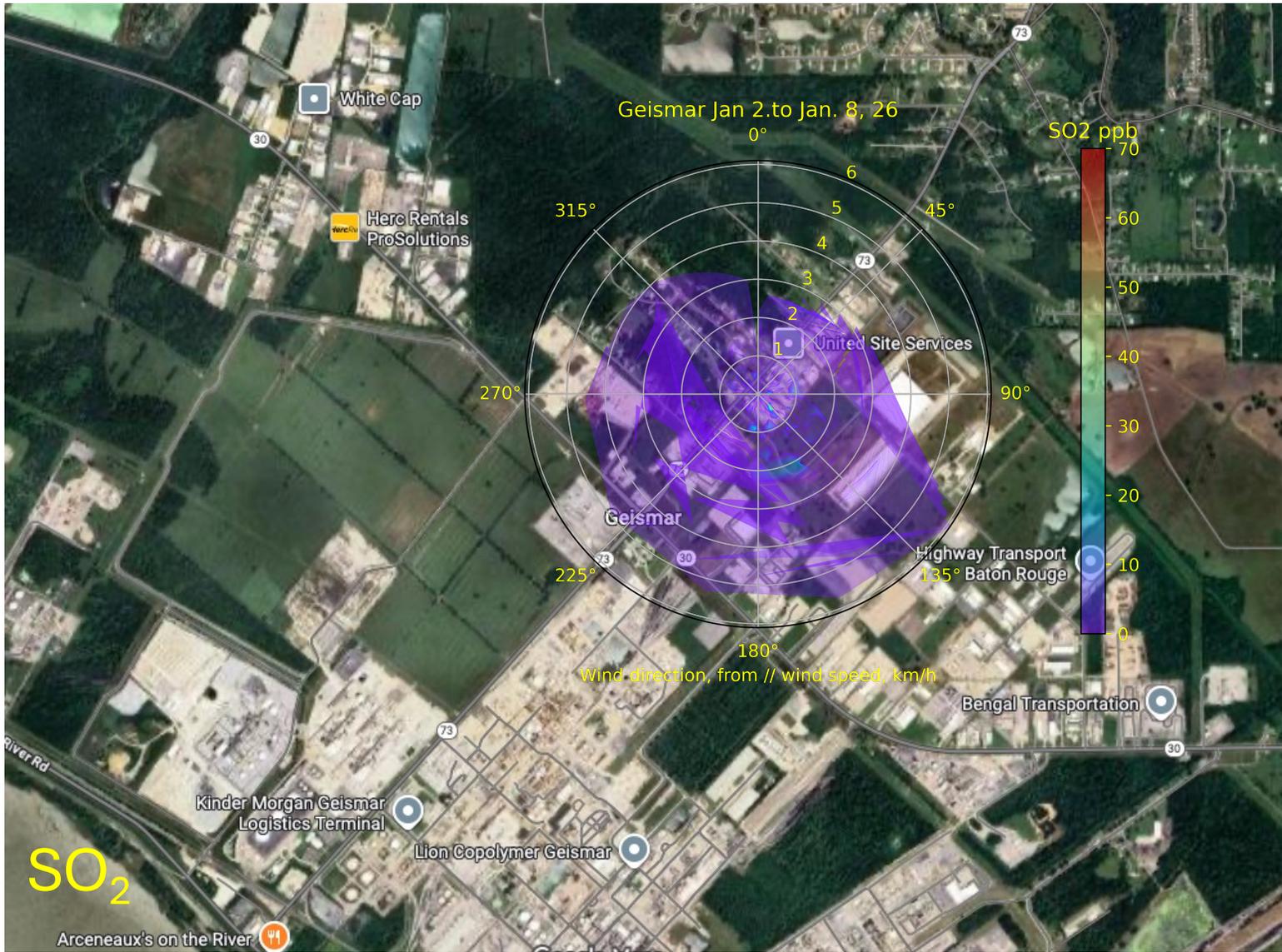


ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM <sub>10</sub> 4 to 8	18.7	20.4	10.3	25.0	4.2	38.0	112
PM <sub>10</sub> 8 to 11	13.6	12.7	9.5	15.6	7.6	29.0	84
PM <sub>10</sub> 11 to 16	22.7	15.3	11.4	21.4	7.0	131.9	140
PM <sub>10</sub> 16 to 19	16.5	14.2	11.1	19.1	5.3	50.7	84
PM <sub>10</sub> 19 to 4	15.3	15.2	11.2	18.6	4.2	33.0	252

PM<sub>1</sub> data is not referenced and calibrated against regulatory monitor

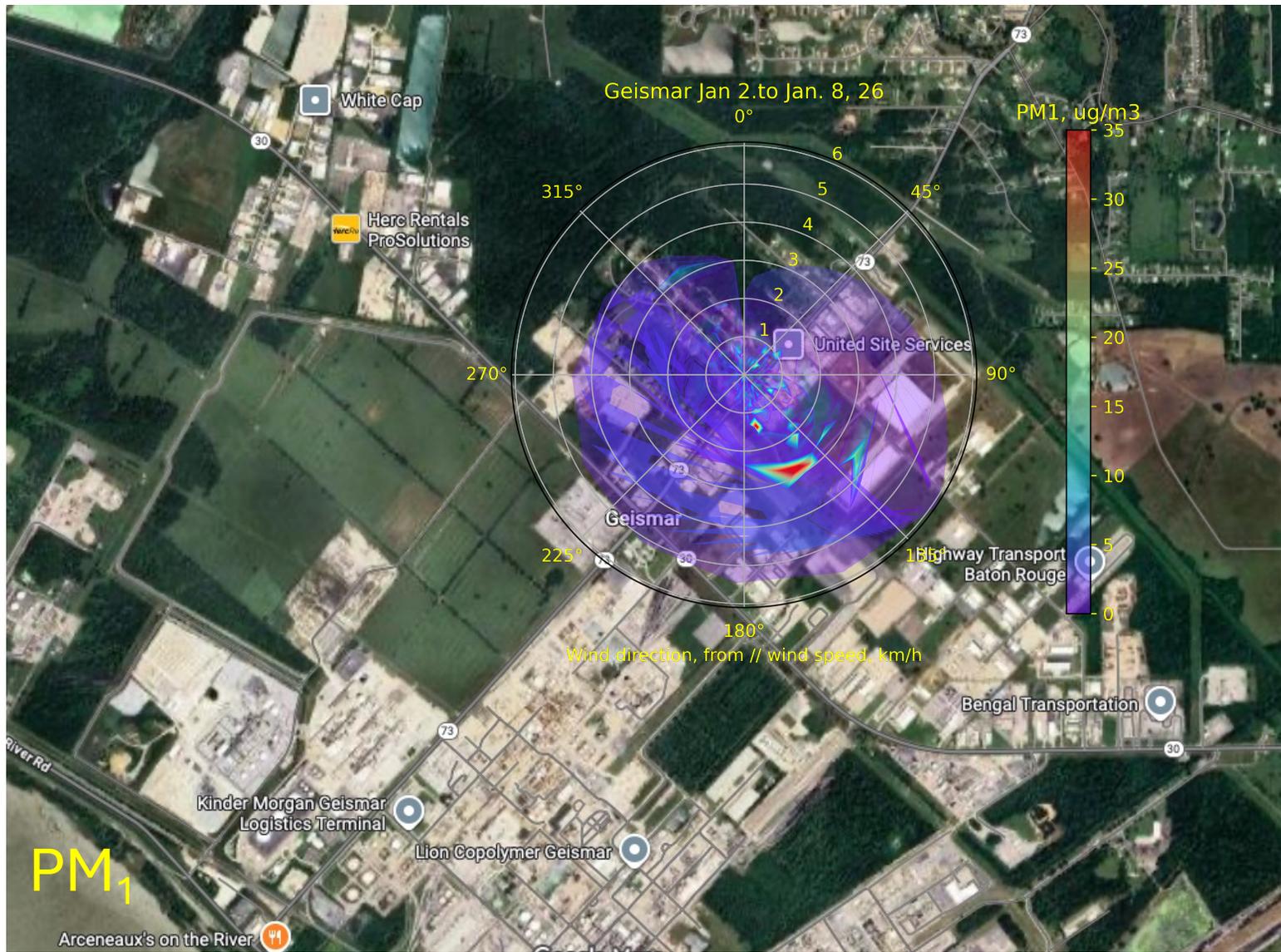




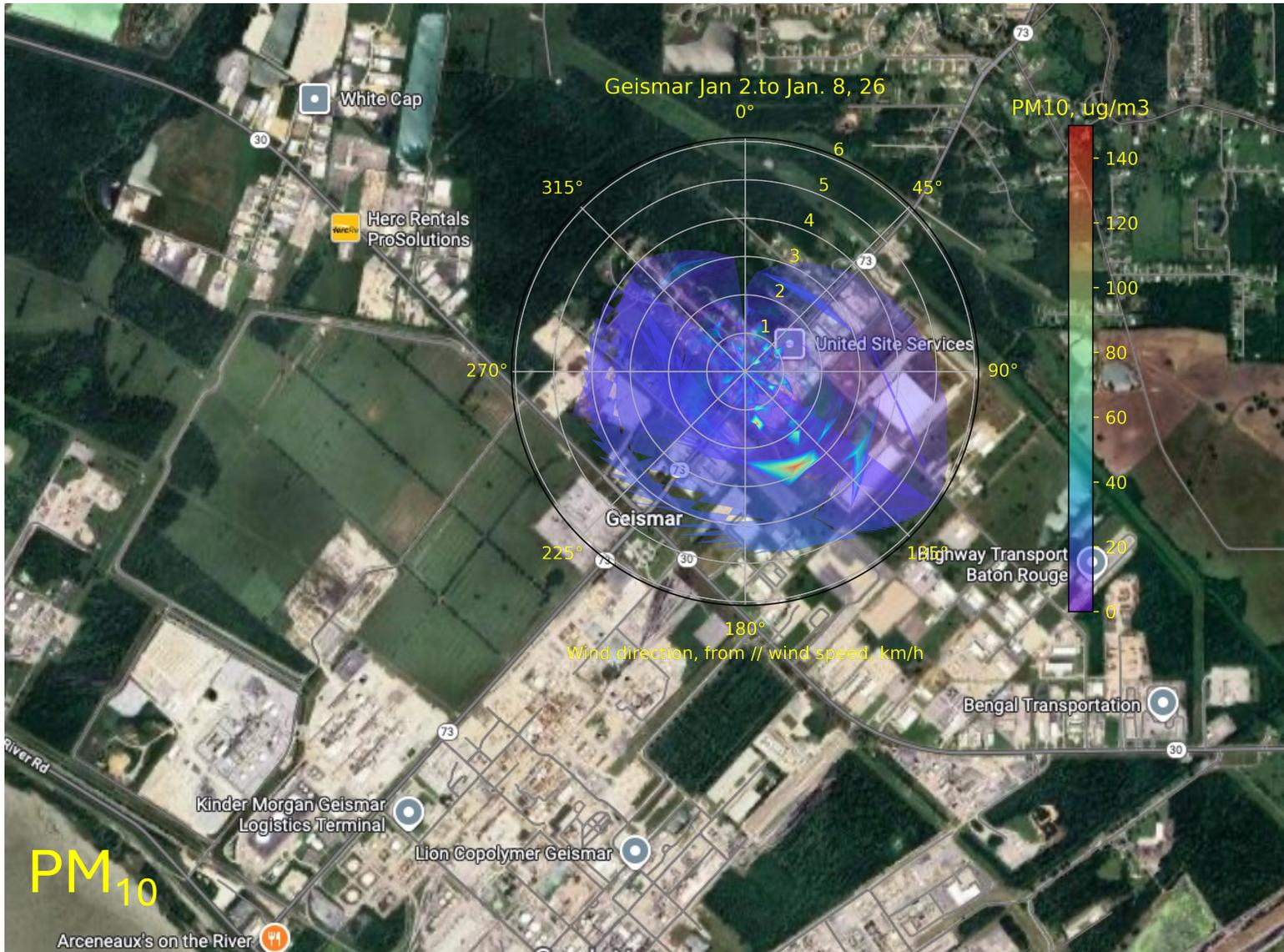












# GEISMAR POD

## 1/2-1/8

- TVOC and  $PM_{2.5}$  driven from South-East although independently
- $NO_2$  has a clear directional origin from South-East and from a further distance directly from South

