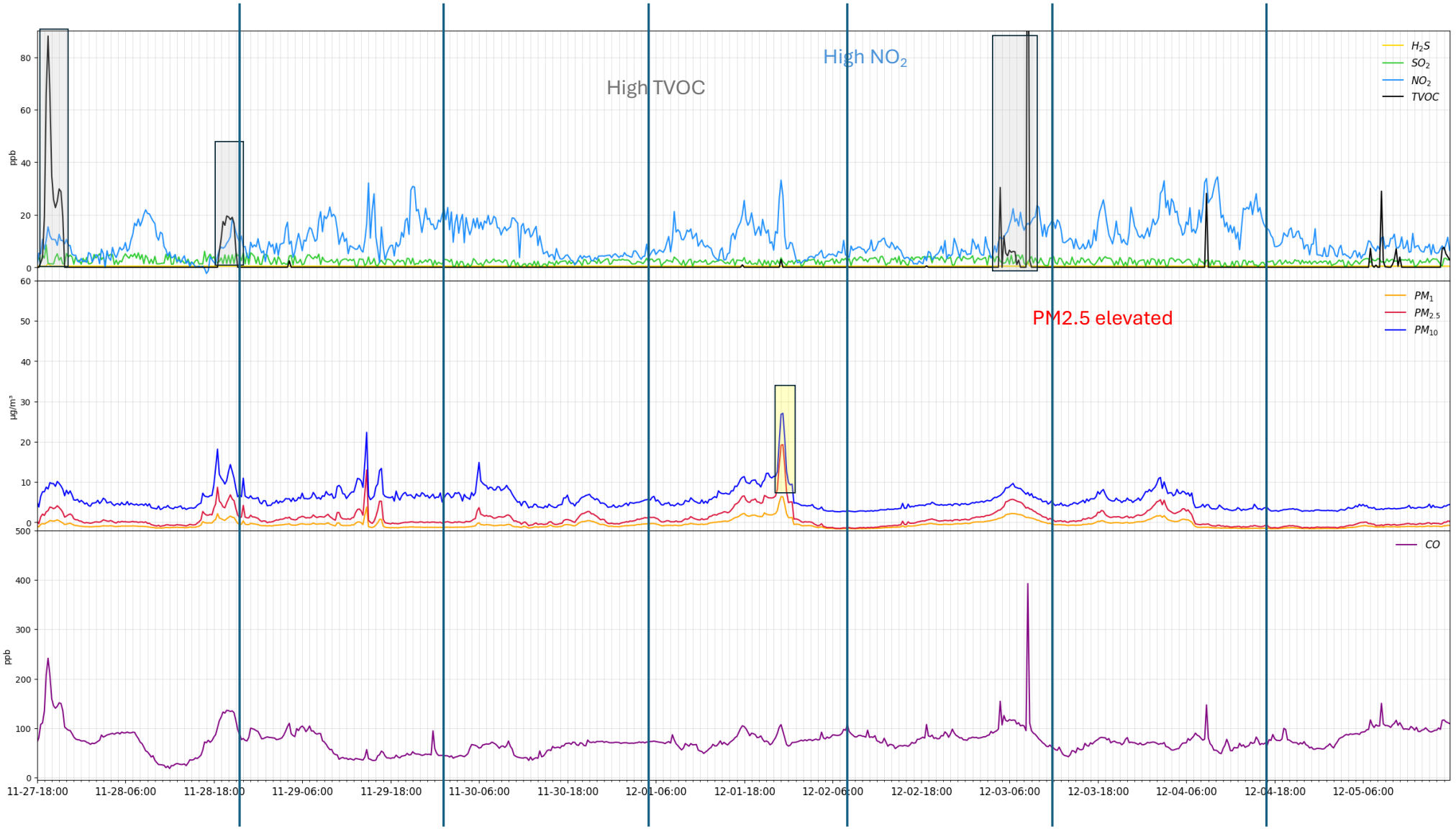
Geismar POD

November 27 – December 5, 2025

Disclaimer

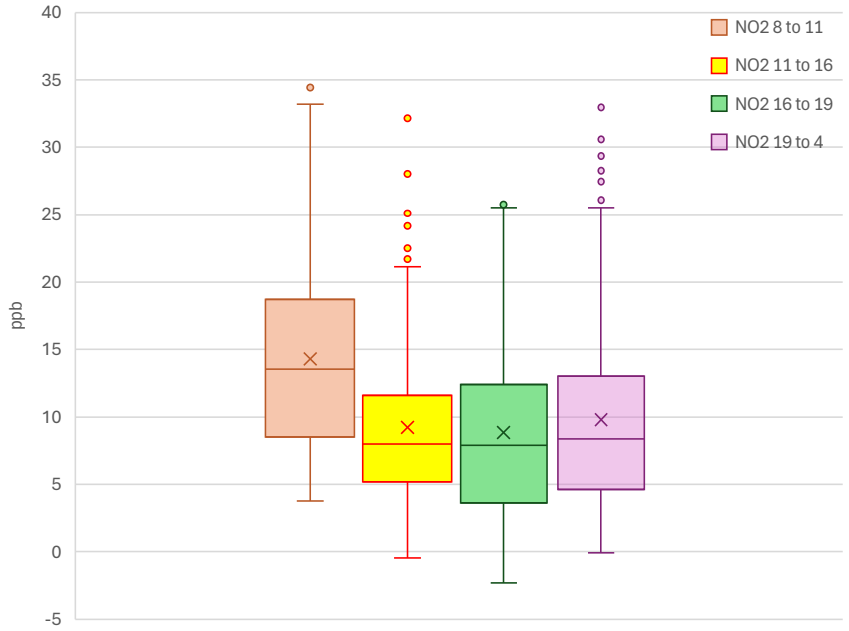
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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


High TVOC
High NO_2
PM2.5 elevated
H_2S
SO_2
NO_2
TVOC
PM_1
$PM_{2.5}$
PM_{10}
CO
ppb
µg/m³
11-27-18:00
11-28-06:00
11-28-18:00
11-29-06:00
11-29-18:00
11-30-06:00
11-30-18:00
12-01-06:00
12-01-18:00
12-02-06:00
12-02-18:00
12-03-06:00
12-03-18:00
12-04-06:00
12-04-18:00
12-05-06:00

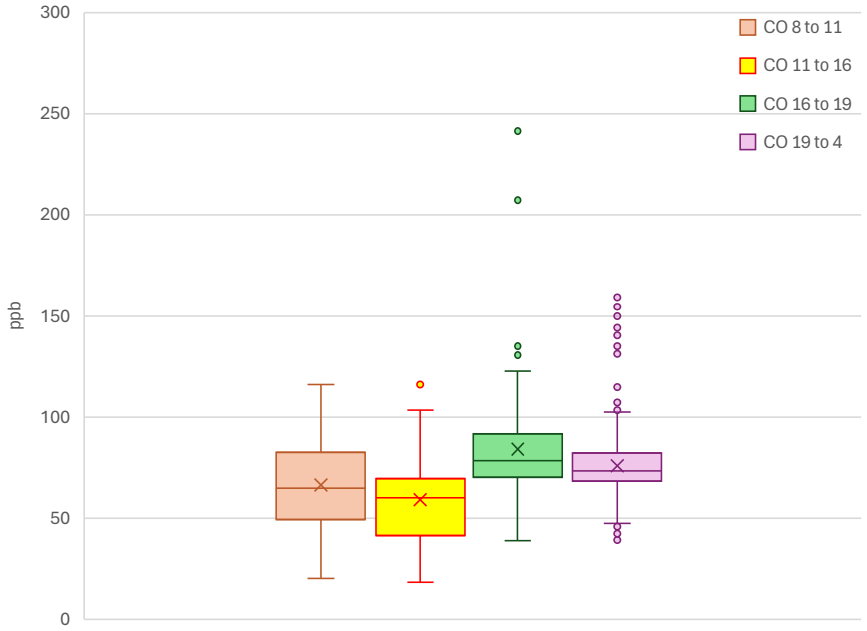
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	10.5	8.9	5.2	14.8	-2.3	34.4	768
NO2 8 to 11	14.3	13.5	8.5	18.7	3.8	34.4	96
NO2 11 to 16	9.2	8.0	5.2	11.6	-0.5	32.1	160
NO2 16 to 19	8.9	7.9	3.6	12.4	-2.3	25.7	96
NO2 19 to 4	9.8	8.4	4.6	13.0	-0.1	33.2	288

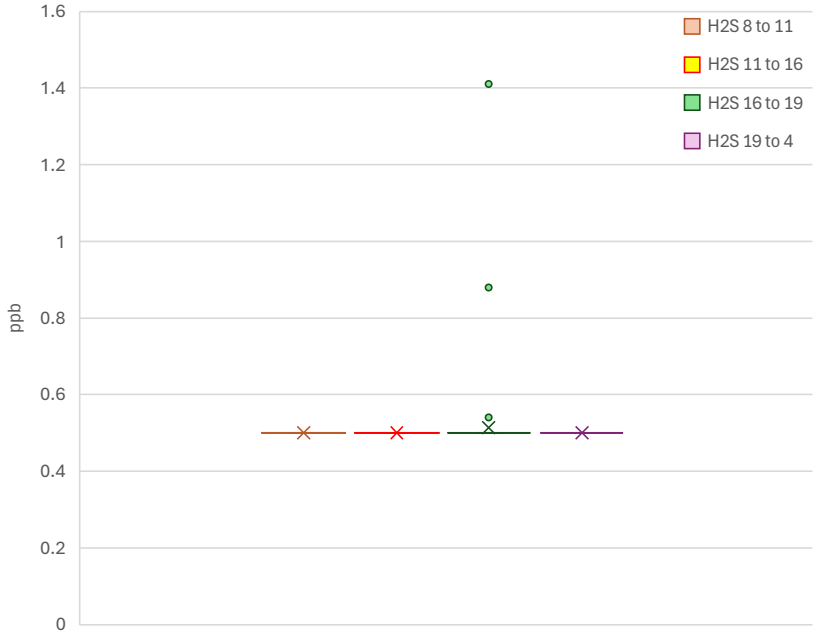
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	74.6	71.9	61.3	86.2	18.5	392.4	768
CO 8 to 11	66.3	64.9	49.4	82.4	20.3	116.1	96
CO 11 to 16	59.2	60.2	41.6	69.5	18.5	116.0	160
CO 16 to 19	84.3	78.6	70.2	91.9	38.9	241.4	96
CO 19 to 4	76.0	73.3	68.3	82.4	39.3	159.2	288

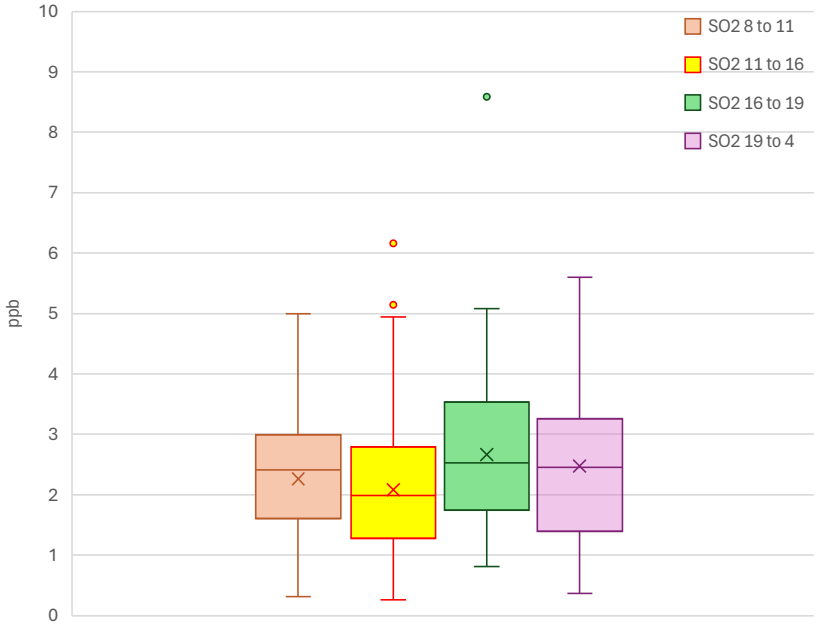
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.5	0.5	0.5	0.5	0.5	2.3	768
H2S 8 to 11	0.5	0.5	0.5	0.5	0.5	0.5	96
H2S 11 to 16	0.5	0.5	0.5	0.5	0.5	0.5	160
H2S 16 to 19	0.5	0.5	0.5	0.5	0.5	1.4	96
H2S 19 to 4	0.5	0.5	0.5	0.5	0.5	0.5	288

SO2 hourly distribution

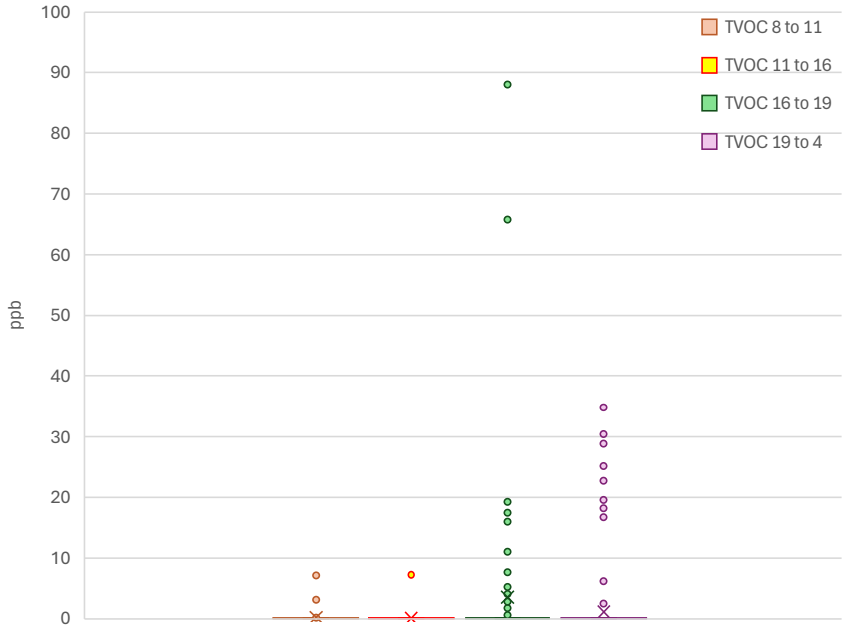


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	2.4	2.4	1.5	3.2	0.3	8.6	768
SO2 8 to 11	2.3	2.4	1.6	3.0	0.3	5.0	96
SO2 11 to 16	2.1	2.0	1.3	2.8	0.3	6.2	160
SO2 16 to 19	2.7	2.5	1.7	3.5	0.8	8.6	96
SO2 19 to 4	2.5	2.5	1.4	3.3	0.4	5.6	288

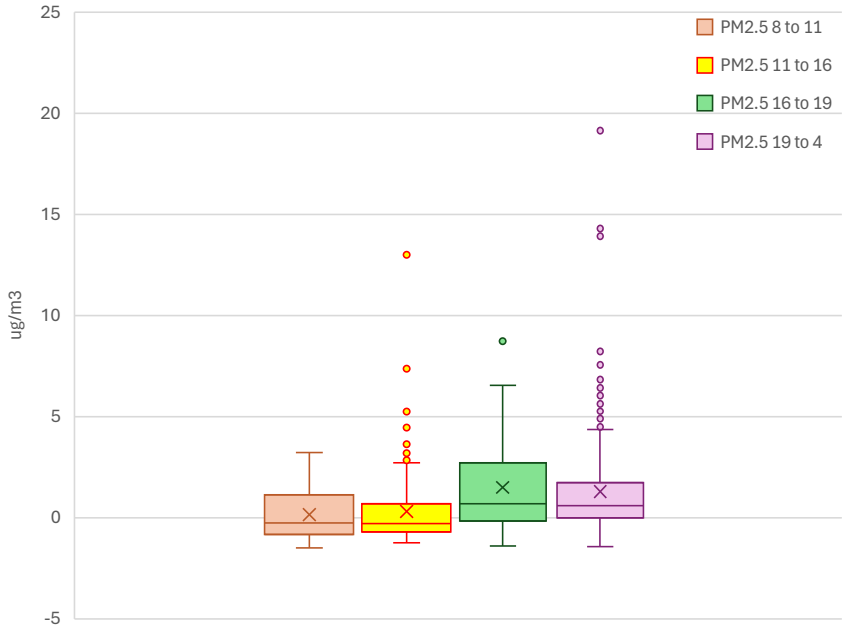
H_2S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution

TVOC hourly distribution



PM2.5 hourly distribution

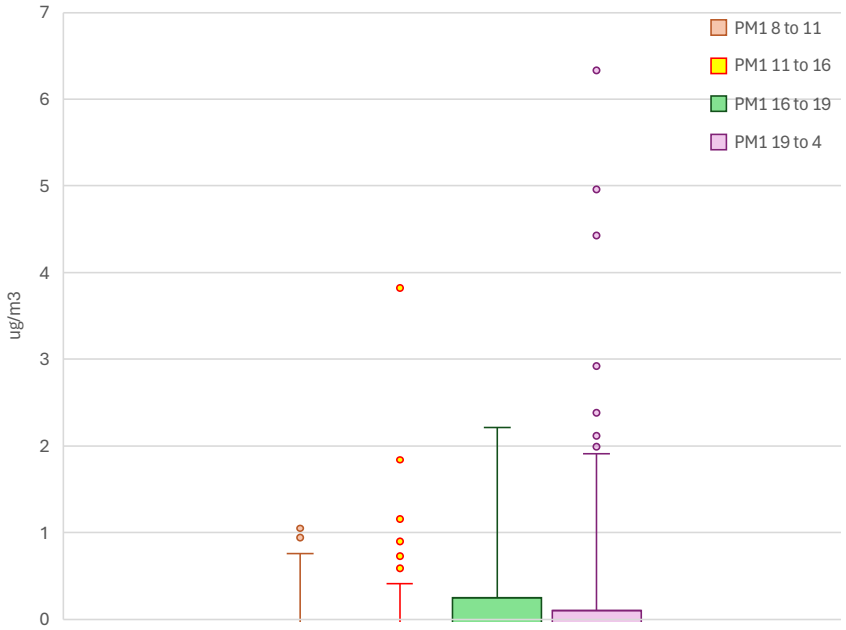


ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	1.3	0.1	0.1	0.1	0.1	184.6	768
TVOC 8 to 11	0.2	0.1	0.1	0.1	0.1	7.1	96
TVOC 11 to 16	0.1	0.1	0.1	0.1	0.1	7.2	160
TVOC 16 to 19	3.6	0.1	0.1	0.1	0.1	88.0	96
TVOC 19 to 4	1.1	0.1	0.1	0.1	0.1	34.8	288

ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	0.9	0.3	-0.4	1.4	-1.5	19.3	768
PM2.5 8 to 11	0.2	-0.3	-0.8	1.1	-1.5	3.2	96
PM2.5 11 to 16	0.3	-0.3	-0.7	0.7	-1.3	13.0	160
PM2.5 16 to 19	1.5	0.7	-0.2	2.7	-1.4	8.7	96
PM2.5 19 to 4	1.3	0.6	0.0	1.7	-1.4	19.3	288

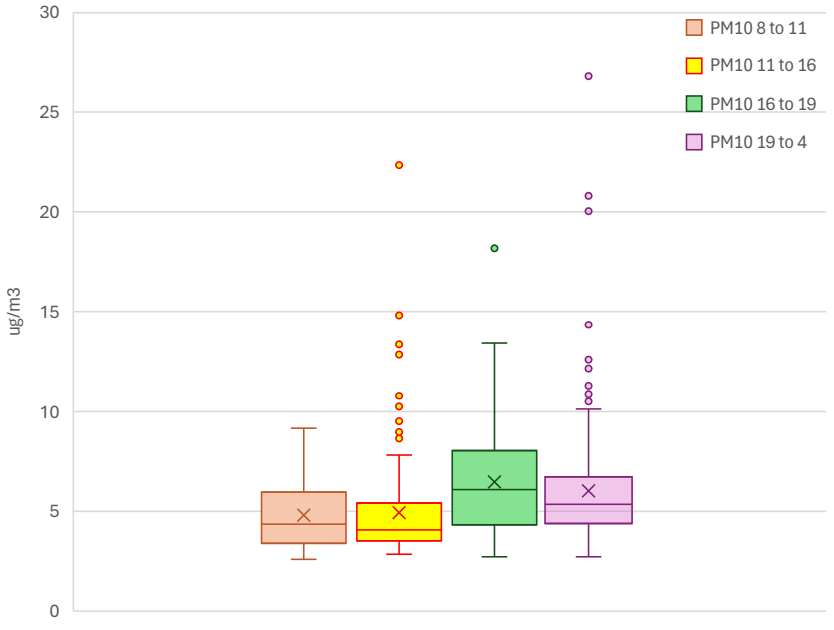
Hourly concentration distribution

PM1 hourly distribution



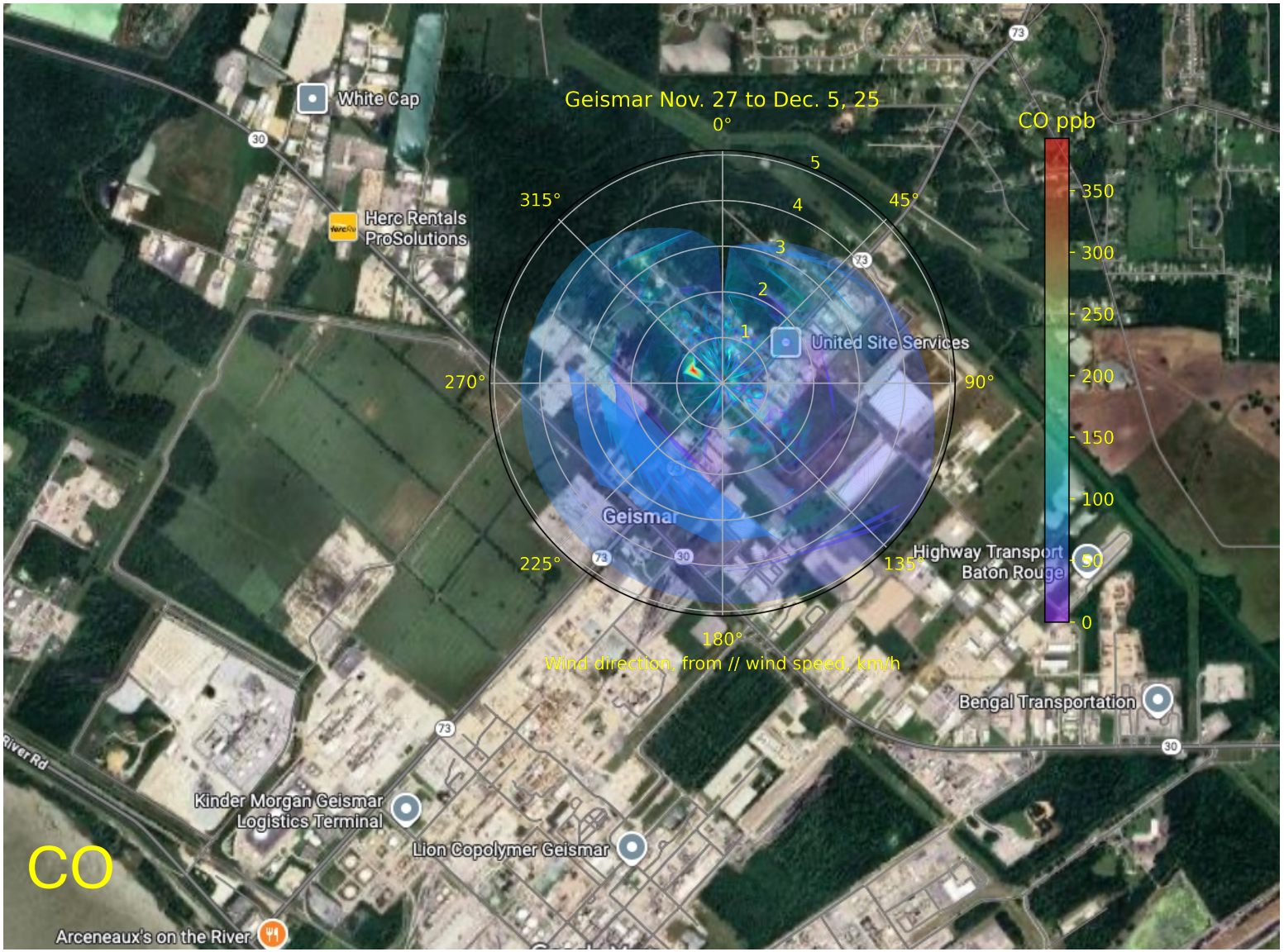
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	-0.5	-0.8	-1.2	-0.2	-1.6	6.4	768
PM1 8 to 11	-0.9	-1.1	-1.4	-0.5	-1.6	1.1	96
PM1 11 to 16	-0.8	-1.0	-1.3	-0.6	-1.6	3.8	160
PM1 16 to 19	-0.3	-0.5	-1.1	0.2	-1.6	2.2	96
PM1 19 to 4	-0.4	-0.6	-1.2	0.1	-1.6	6.4	288

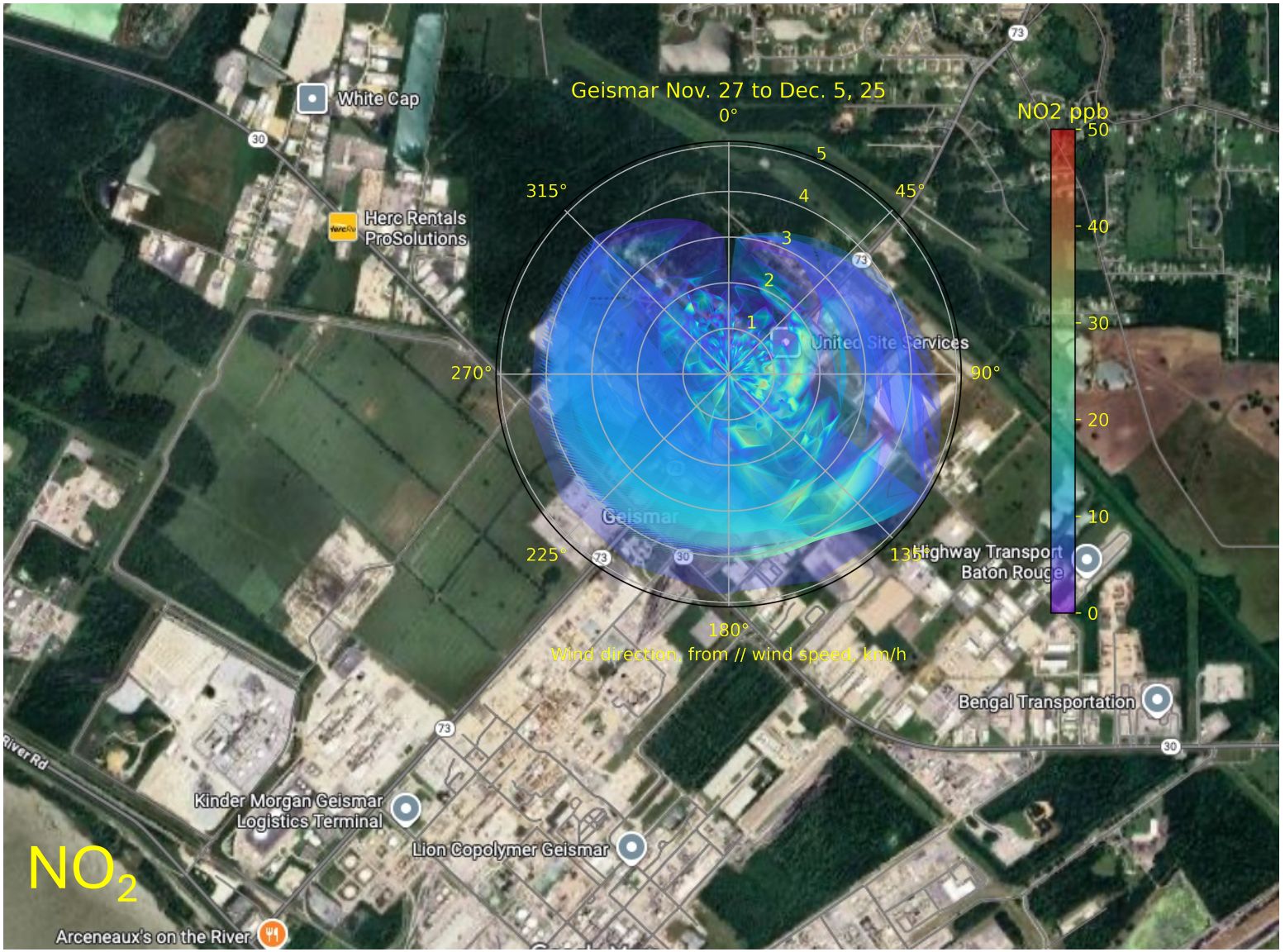
PM10 hourly distribution

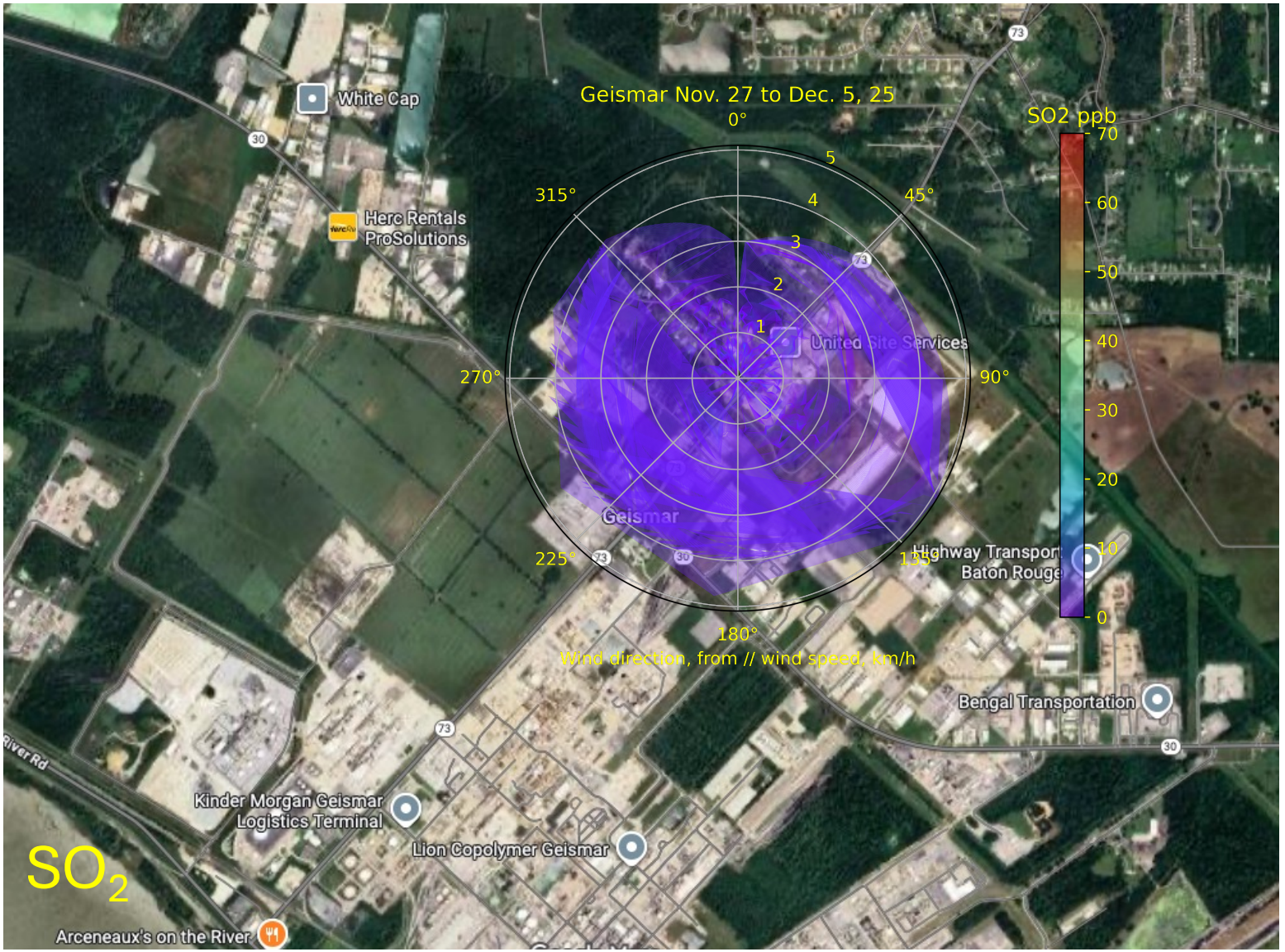


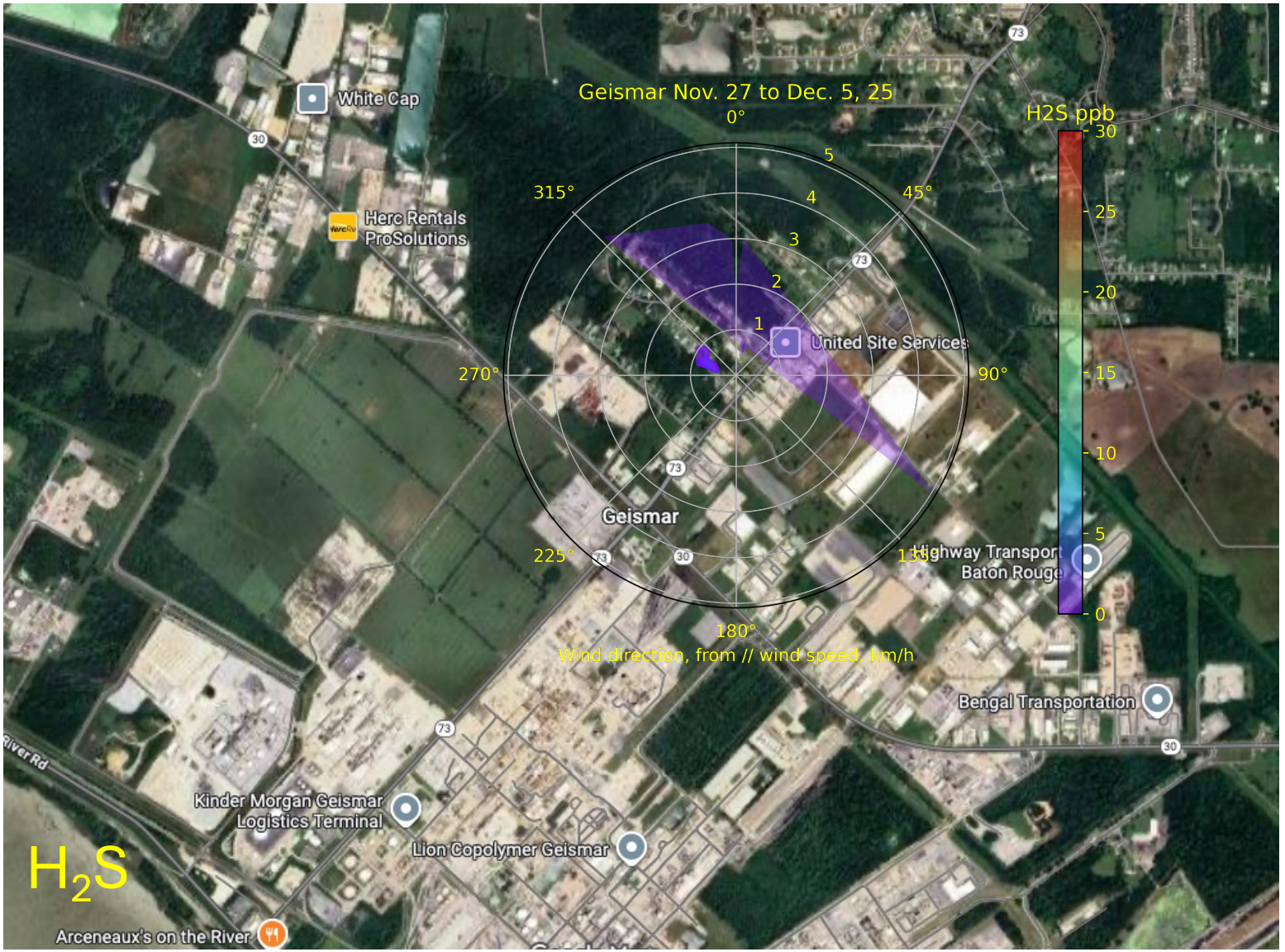
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	5.6	4.9	3.8	6.7	2.6	27.1	768
PM10 8 to 11	4.8	4.4	3.4	6.0	2.6	9.2	96
PM10 11 to 16	4.9	4.1	3.5	5.4	2.9	22.3	160
PM10 16 to 19	6.5	6.1	4.3	8.1	2.7	18.2	96
PM10 19 to 4	6.0	5.4	4.4	6.7	2.7	27.1	288

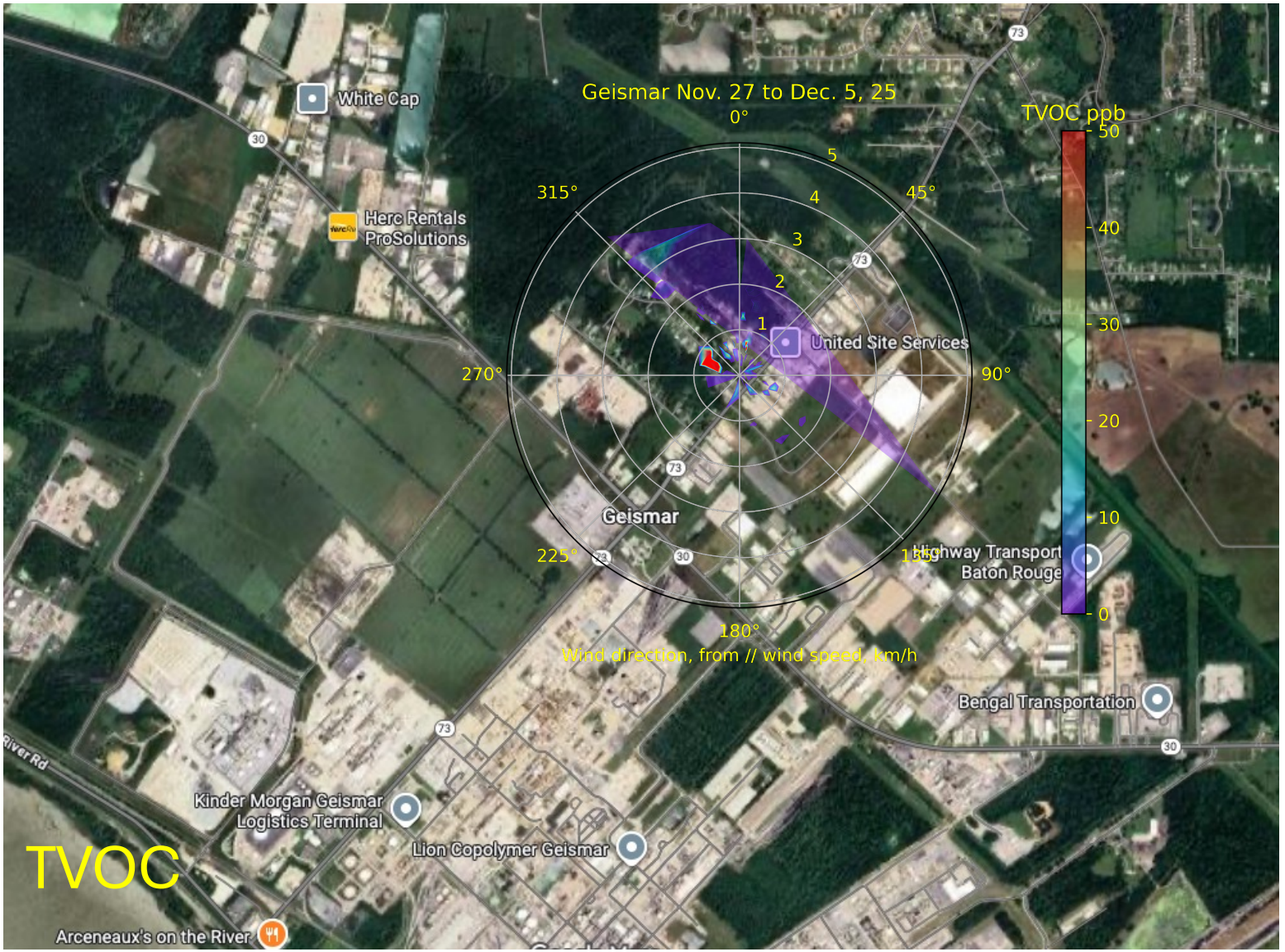
PM_1 data is not referenced and calibrated against regulatory monitor

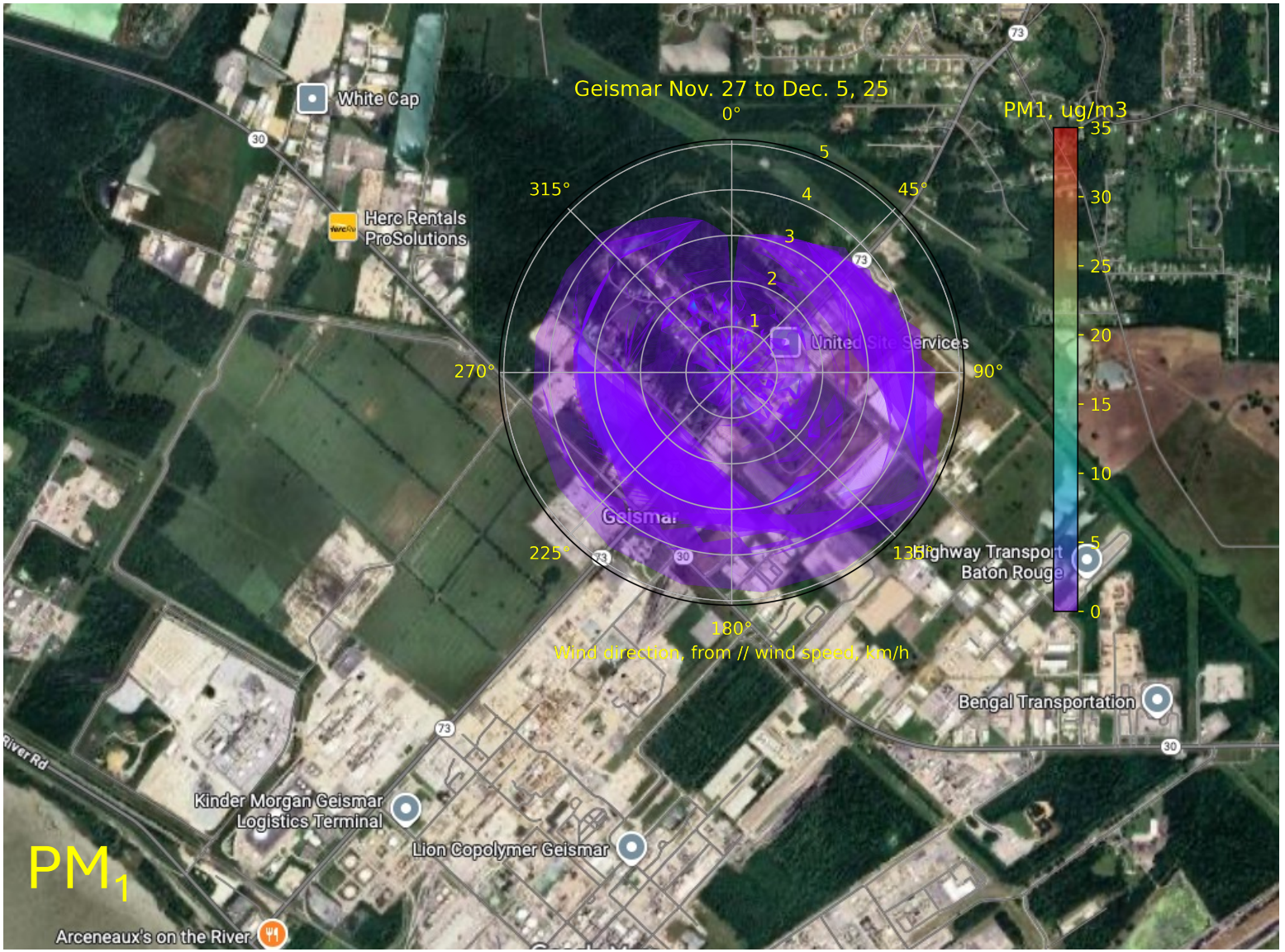

Geismar Nov. 27 to Dec. 5, 25
CO ppb
350
300
250
200
150
100
50
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
CO

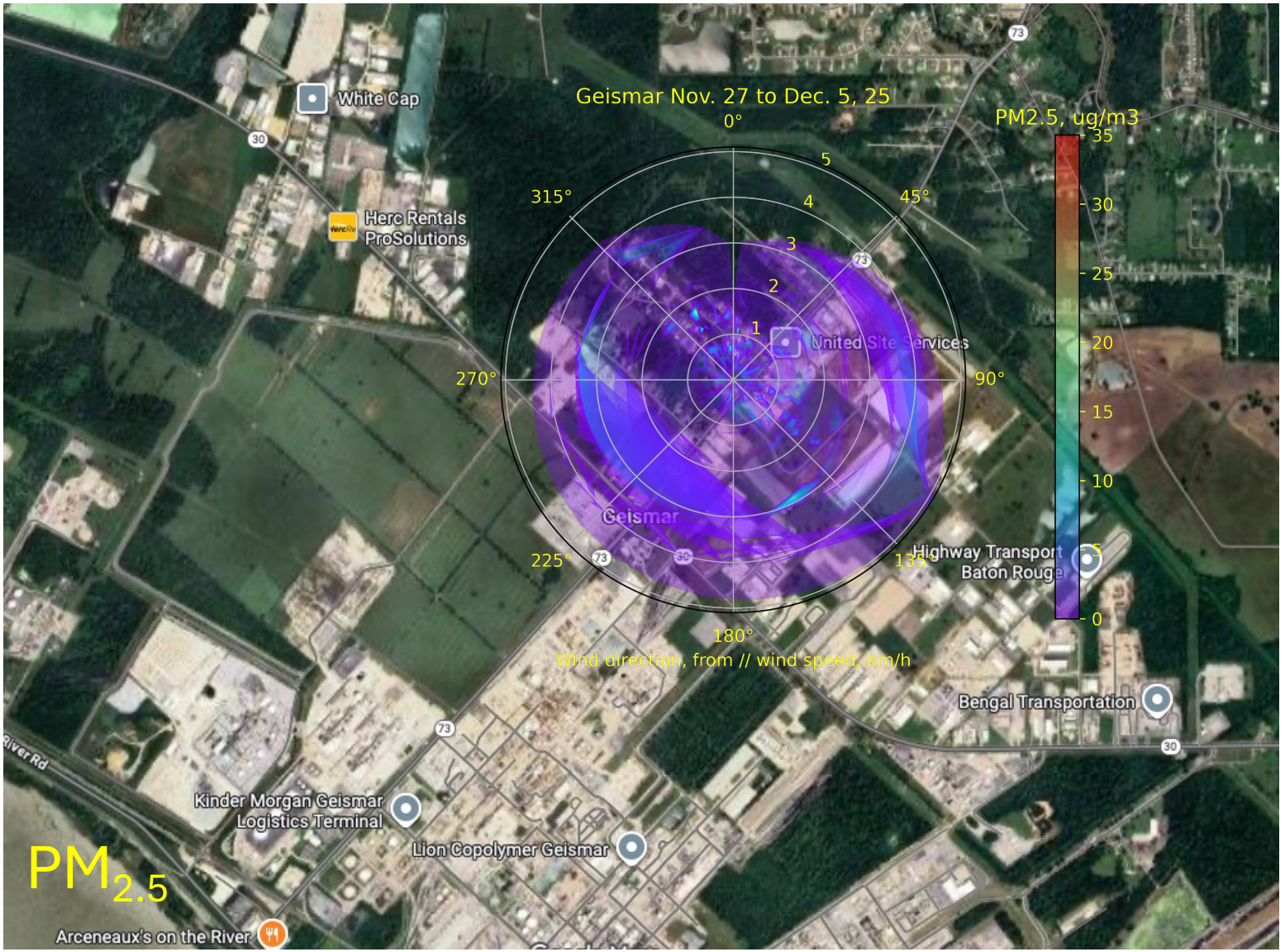

Geismar Nov. 27 to Dec. 5, 25
NO2 ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
NO2

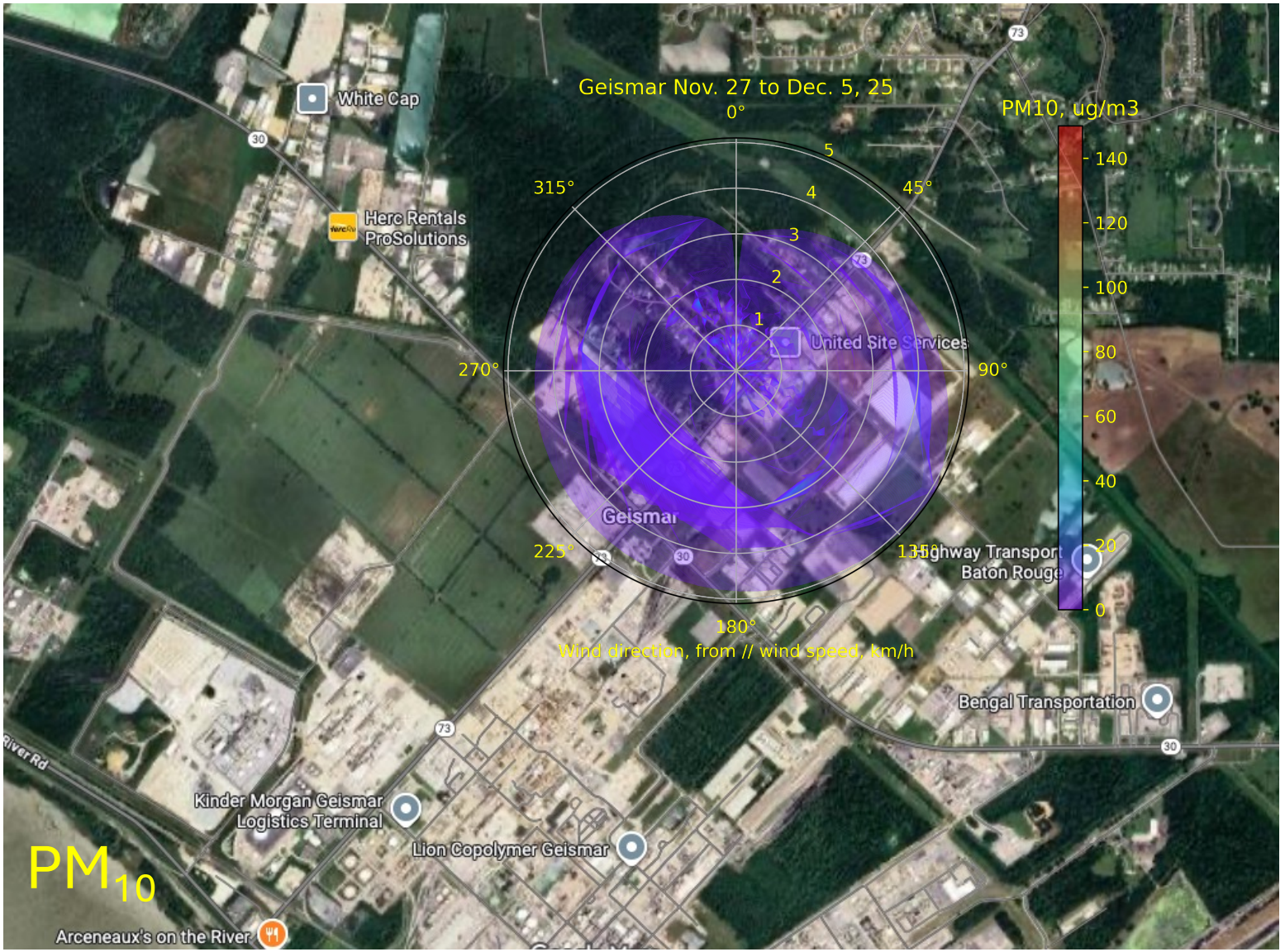

Geismar Nov. 27 to Dec. 5, 25
SO2 ppb
70
60
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
SO2


Geismar Nov. 27 to Dec. 5, 25
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
H2S ppb
30
25
20
15
10
5
0
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
H_2S


Geismar Nov. 27 to Dec. 5, 25
TVOC ppb
50
40
30
20
10
0
0°
45°
90°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
TVOC


Geismar Nov. 27 to Dec. 5, 25
PM1, ug/m3
35
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
PM1


Geismar Nov. 27 to Dec. 5, 25
PM2.5, ug/m3
35
30
25
20
15
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
PM2.5


Geismar Nov. 27 to Dec. 5, 25
PM10, ug/m3
140
120
100
80
60
40
20
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
PM10

GEISMAR POD 11/27-12/05

- NO major Air pollution events
- TVOC observed from local sources, non-directional