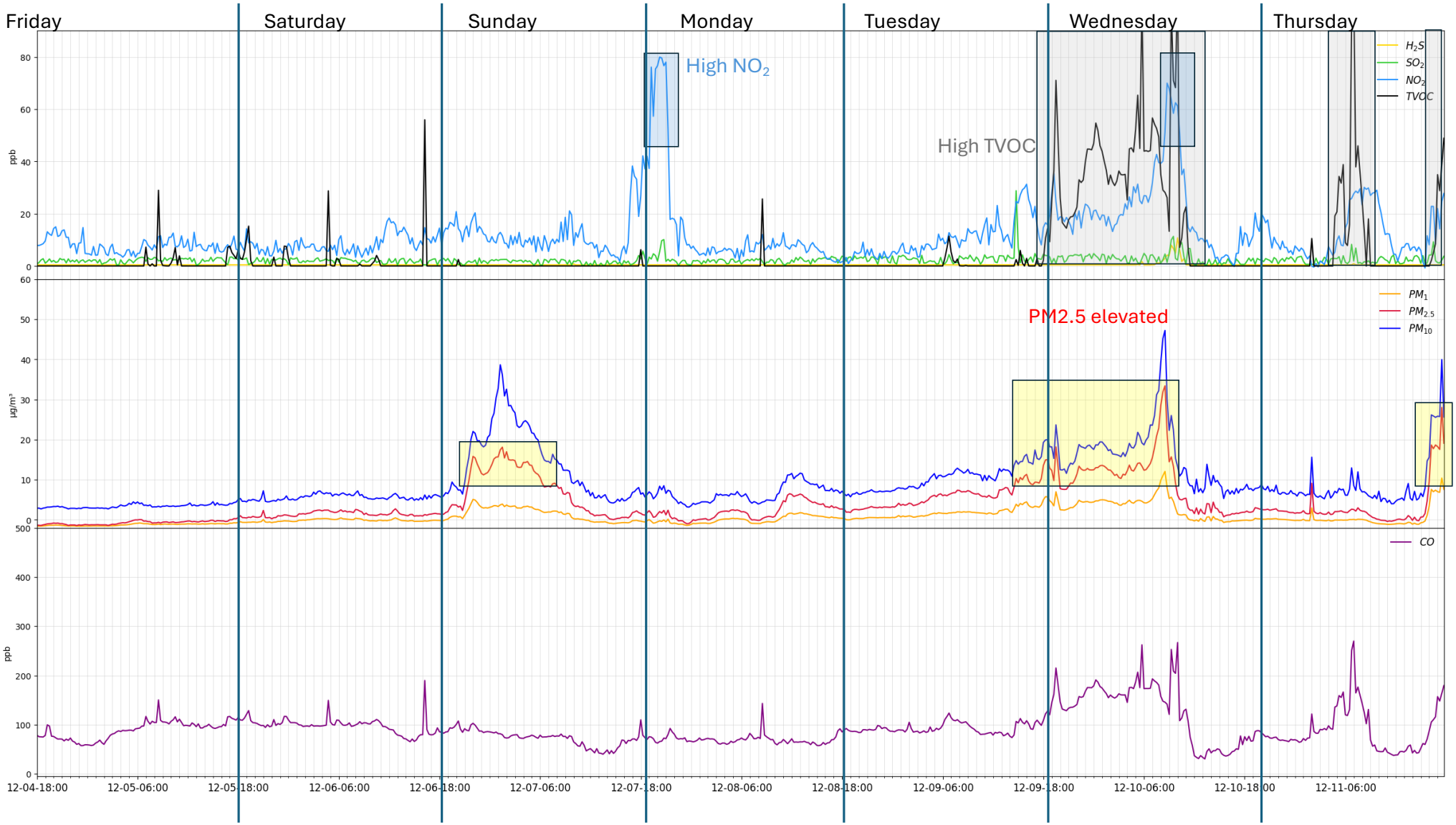
Geismar POD

December 5 – December 11, 2025

Disclaimer

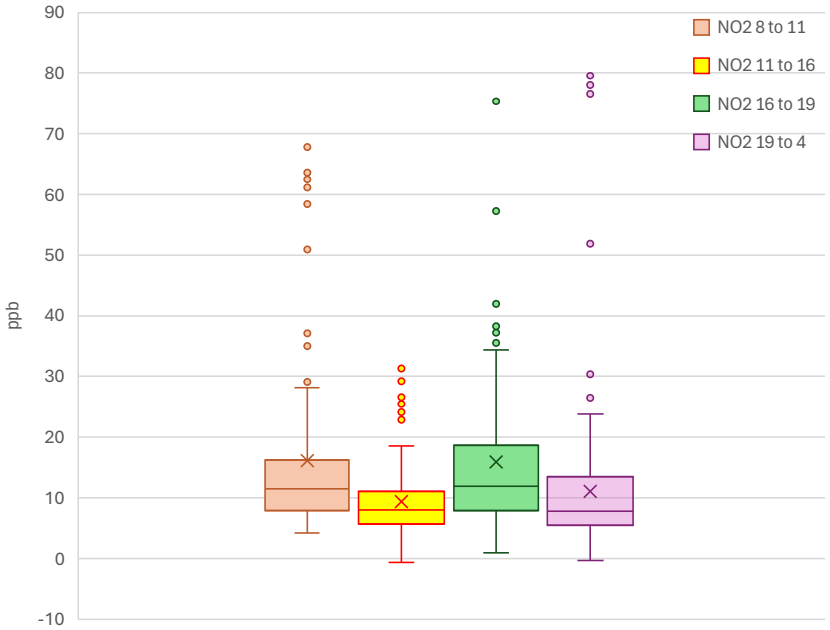
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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


Friday
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
High NO_2
High TVOC
PM2.5 elevated
H_2S
SO_2
NO_2
TVOC
PM_1
$PM_{2.5}$
PM_{10}
CO
ppb
µg/m³
12-04-18:00
12-05-06:00
12-05-18:00
12-06-06:00
12-06-18:00
12-07-06:00
12-07-18:00
12-08-06:00
12-08-18:00
12-09-06:00
12-09-18:00
12-10-06:00
12-10-18:00
12-11-06:00

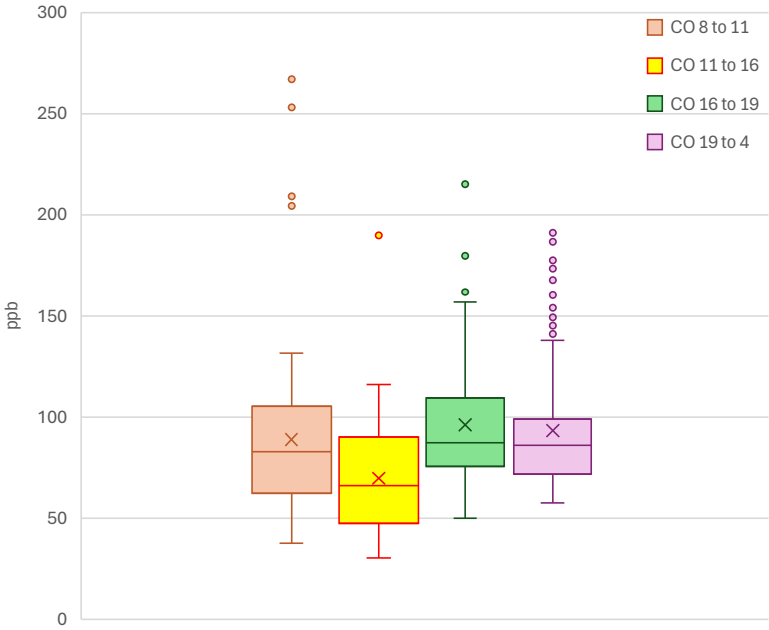
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	12.4	8.6	6.1	14.4	-0.7	79.9	672
NO2 8 to 11	16.1	11.4	7.9	16.2	4.3	67.8	84
NO2 11 to 16	9.4	8.0	5.7	11.1	-0.7	31.3	140
NO2 16 to 19	16.0	11.9	7.9	18.6	1.0	76.1	84
NO2 19 to 4	11.0	7.8	5.5	13.6	-0.3	79.9	252

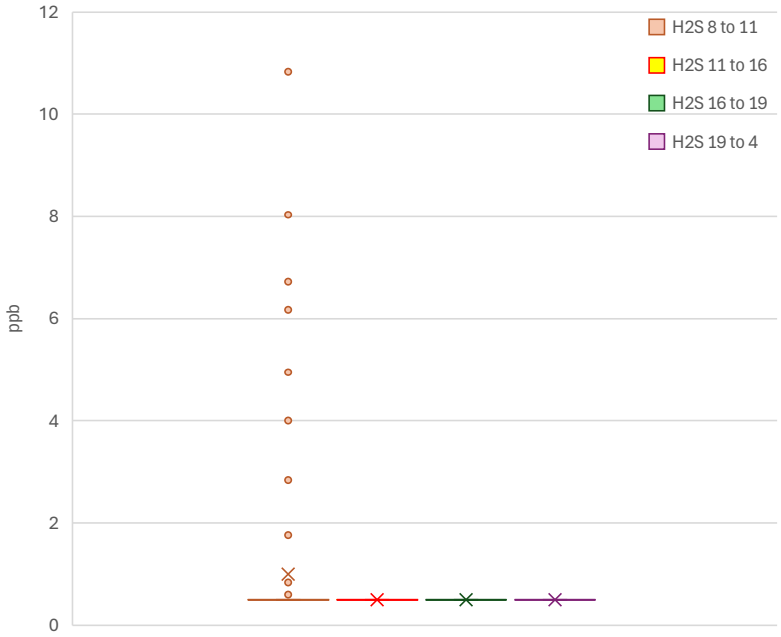
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	91.7	85.7	69.7	103.6	30.5	269.9	672
CO 8 to 11	88.9	82.8	62.5	105.2	37.5	266.9	84
CO 11 to 16	69.8	66.1	47.5	90.1	30.5	189.8	140
CO 16 to 19	96.3	87.2	75.6	109.3	50.0	215.2	84
CO 19 to 4	93.5	86.1	71.8	99.1	57.5	191.0	252

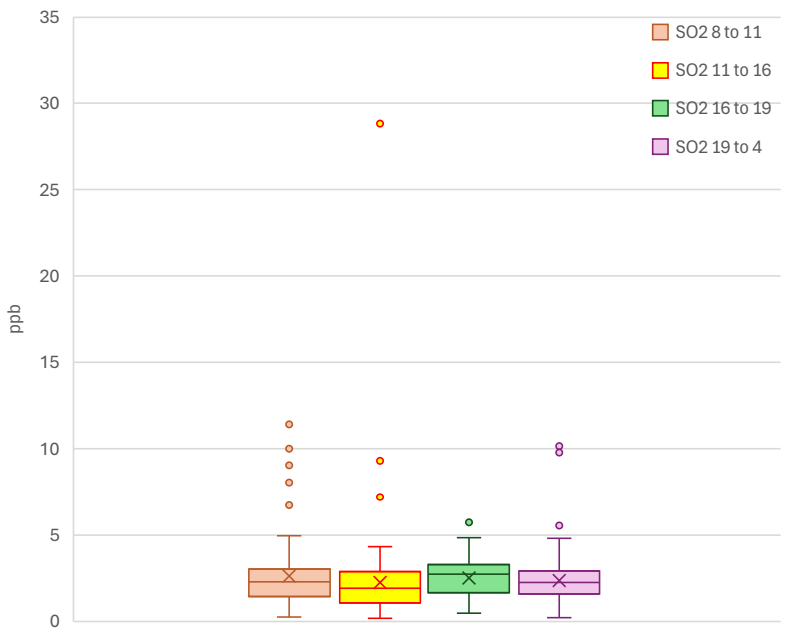
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.6	0.5	0.5	0.5	0.5	10.8	672
H2S 8 to 11	1.0	0.5	0.5	0.5	0.5	10.8	84
H2S 11 to 16	0.5	0.5	0.5	0.5	0.5	0.5	140
H2S 16 to 19	0.5	0.5	0.5	0.5	0.5	0.5	84
H2S 19 to 4	0.5	0.5	0.5	0.5	0.5	0.5	252

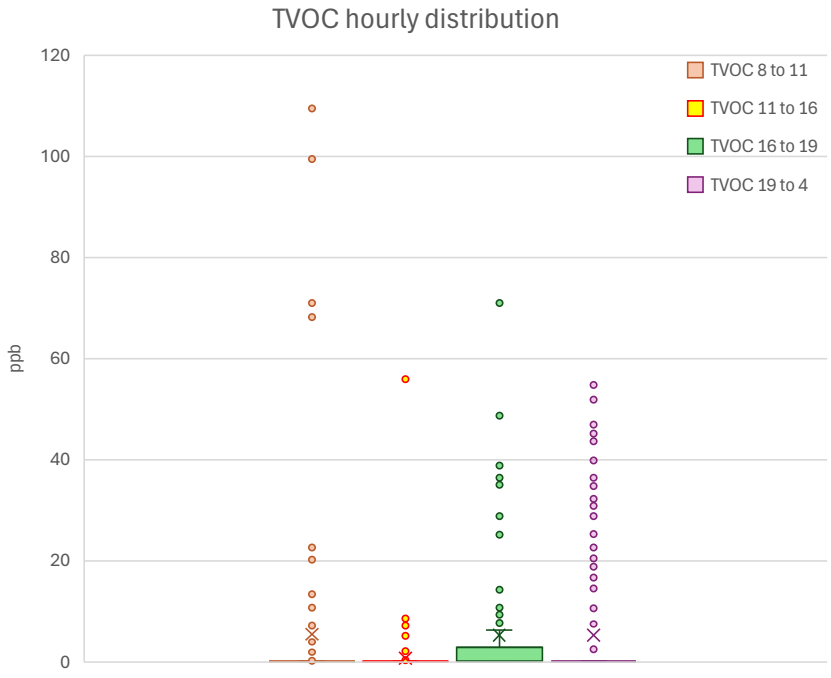
SO2 hourly distribution

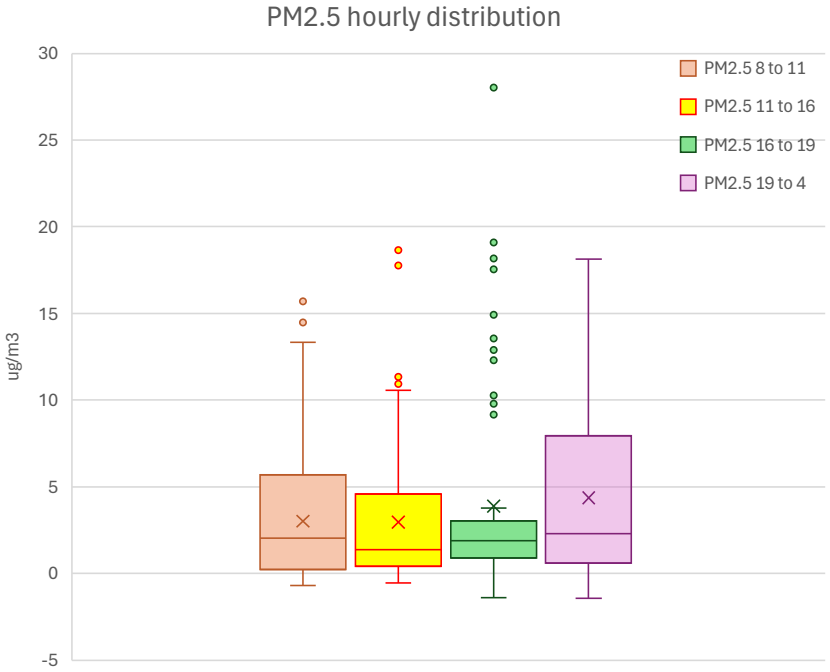


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	2.4	2.2	1.4	3.0	0.2	28.8	672
SO2 8 to 11	2.6	2.3	1.4	3.0	0.2	11.4	84
SO2 11 to 16	2.3	1.9	1.1	2.9	0.2	28.8	140
SO2 16 to 19	2.5	2.7	1.6	3.3	0.5	5.8	84
SO2 19 to 4	2.4	2.2	1.6	2.9	0.2	10.2	252

H_2S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution



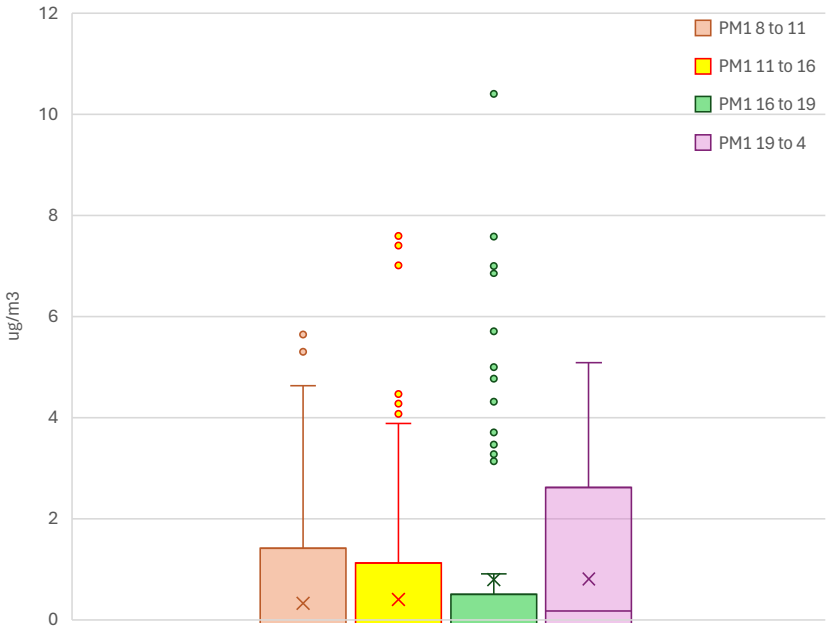


ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	5.6	0.1	0.1	0.1	0.1	109.4	672
TVOC 8 to 11	5.5	0.1	0.1	0.1	0.1	109.4	84
TVOC 11 to 16	0.7	0.1	0.1	0.1	0.1	56.0	140
TVOC 16 to 19	5.3	0.1	0.1	2.9	0.1	71.0	84
TVOC 19 to 4	5.2	0.1	0.1	0.1	0.1	54.7	252

ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	4.1	2.1	0.6	6.2	-1.4	33.4	672
PM2.5 8 to 11	3.0	2.0	0.2	5.7	-0.7	15.7	84
PM2.5 11 to 16	3.0	1.4	0.4	4.6	-0.5	18.7	140
PM2.5 16 to 19	3.9	1.9	0.9	3.0	-1.4	28.0	84
PM2.5 19 to 4	4.4	2.3	0.6	8.2	-1.4	18.1	252

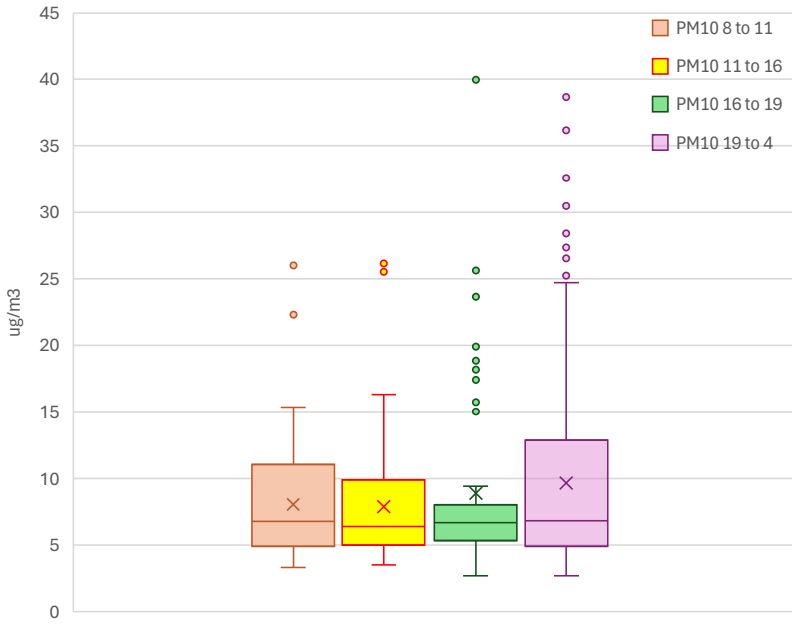
Hourly concentration distribution

PM1 hourly distribution



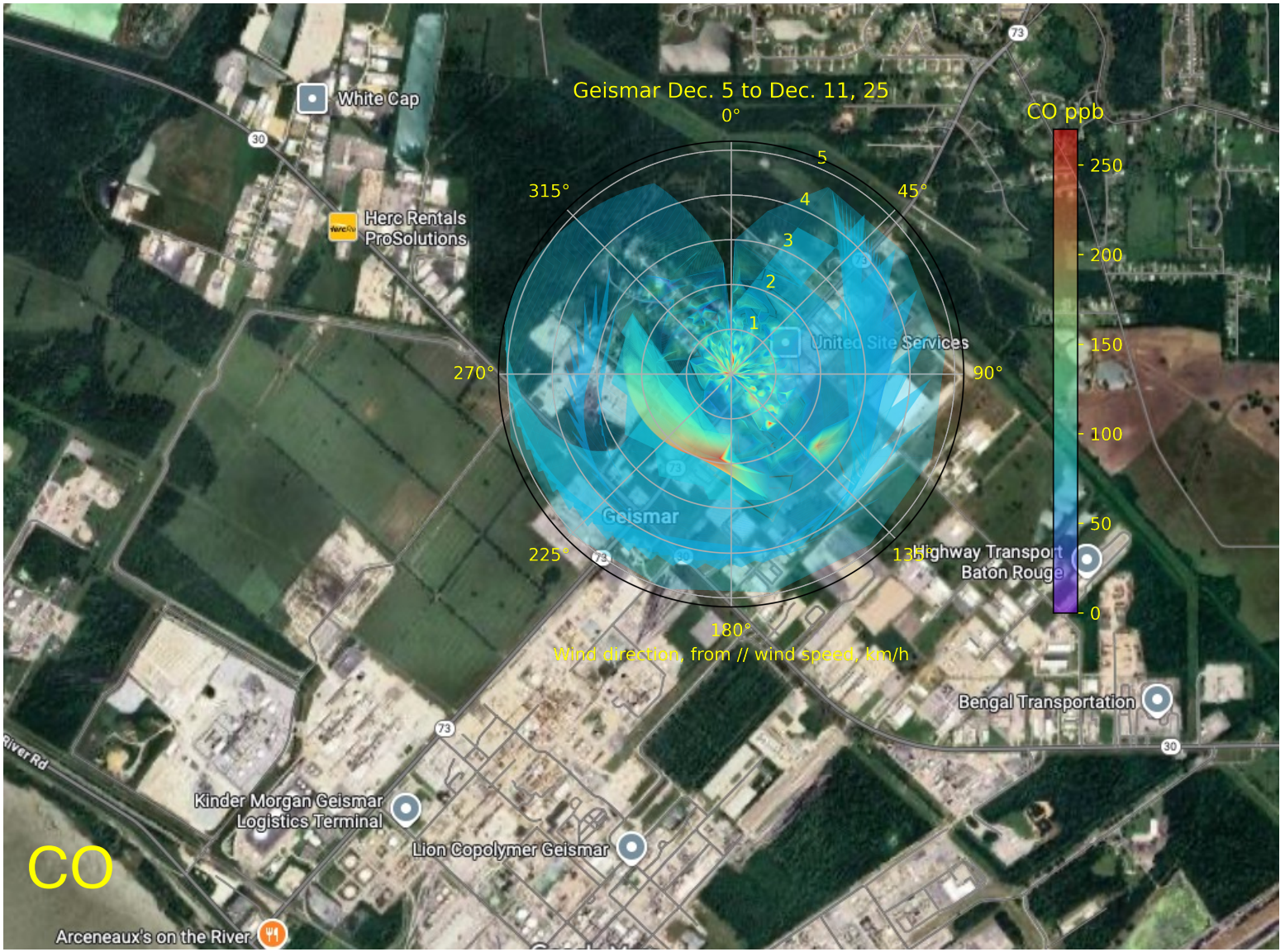
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	0.7	0.1	-0.6	1.6	-1.6	12.1	672
PM1 8 to 11	0.3	-0.1	-0.9	1.4	-1.2	5.6	84
PM1 11 to 16	0.4	-0.3	-0.8	1.1	-1.1	7.6	140
PM1 16 to 19	0.8	-0.1	-0.5	0.5	-1.6	10.4	84
PM1 19 to 4	0.8	0.2	-0.6	2.7	-1.6	5.1	252

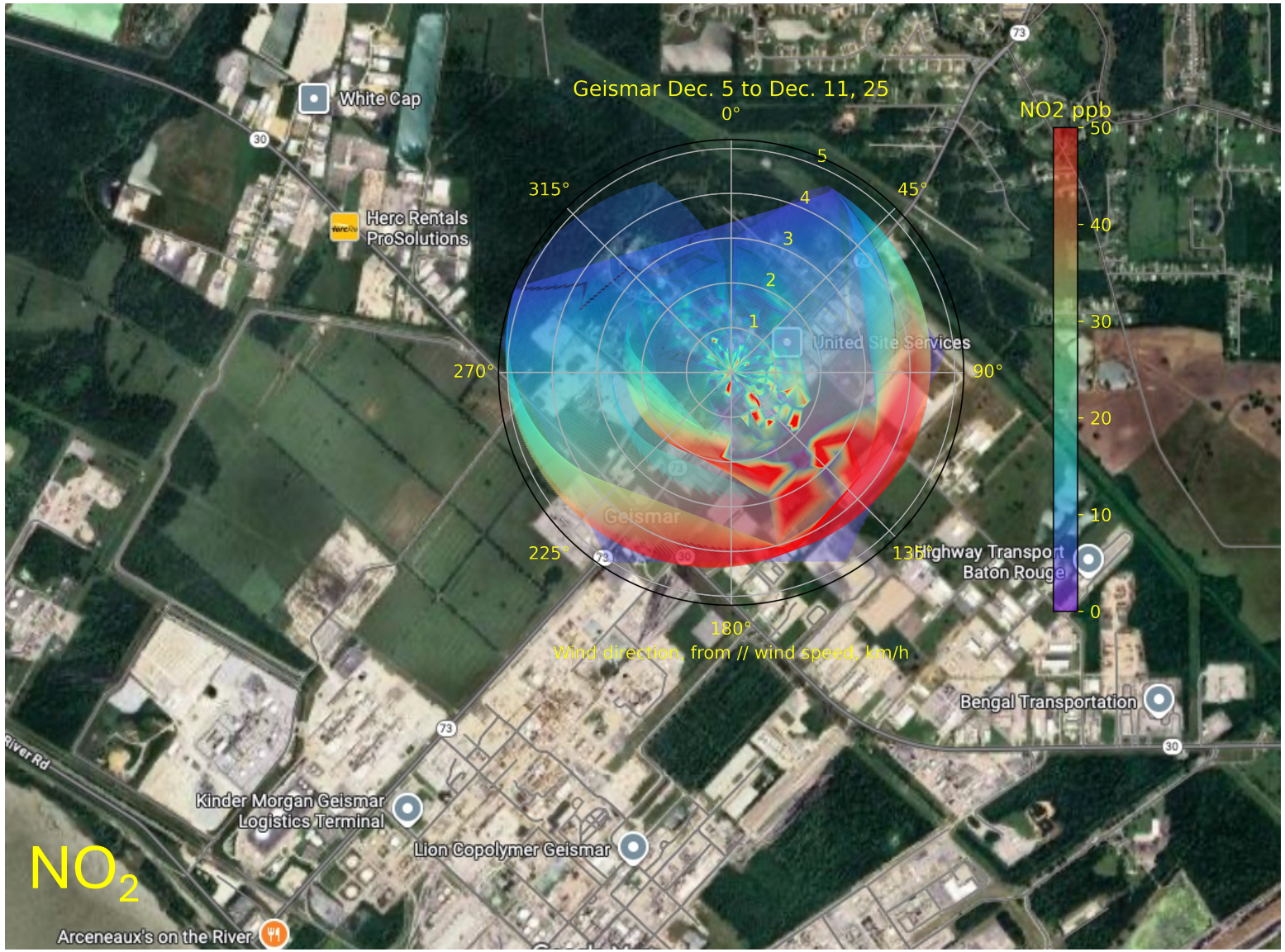
PM10 hourly distribution

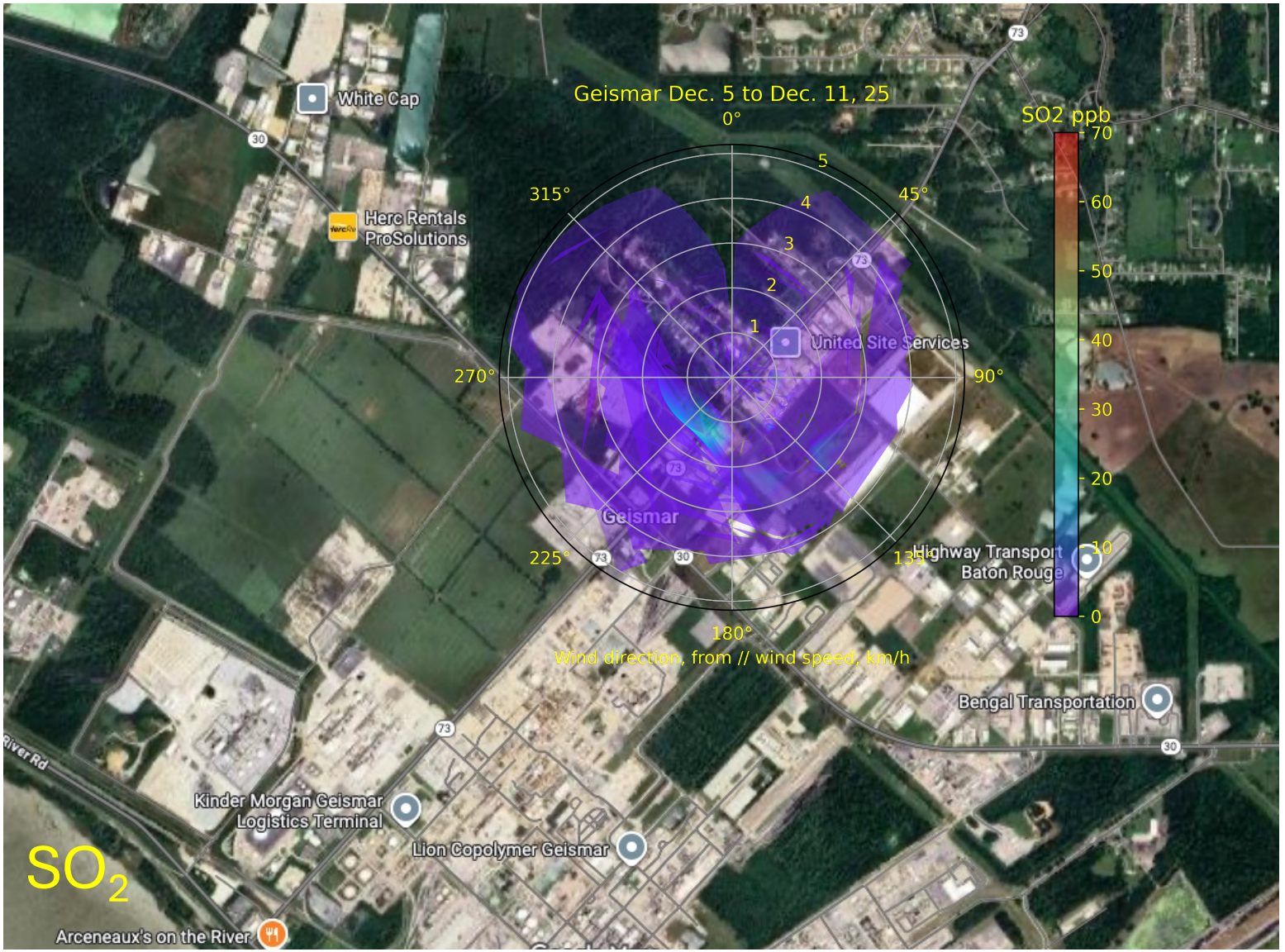


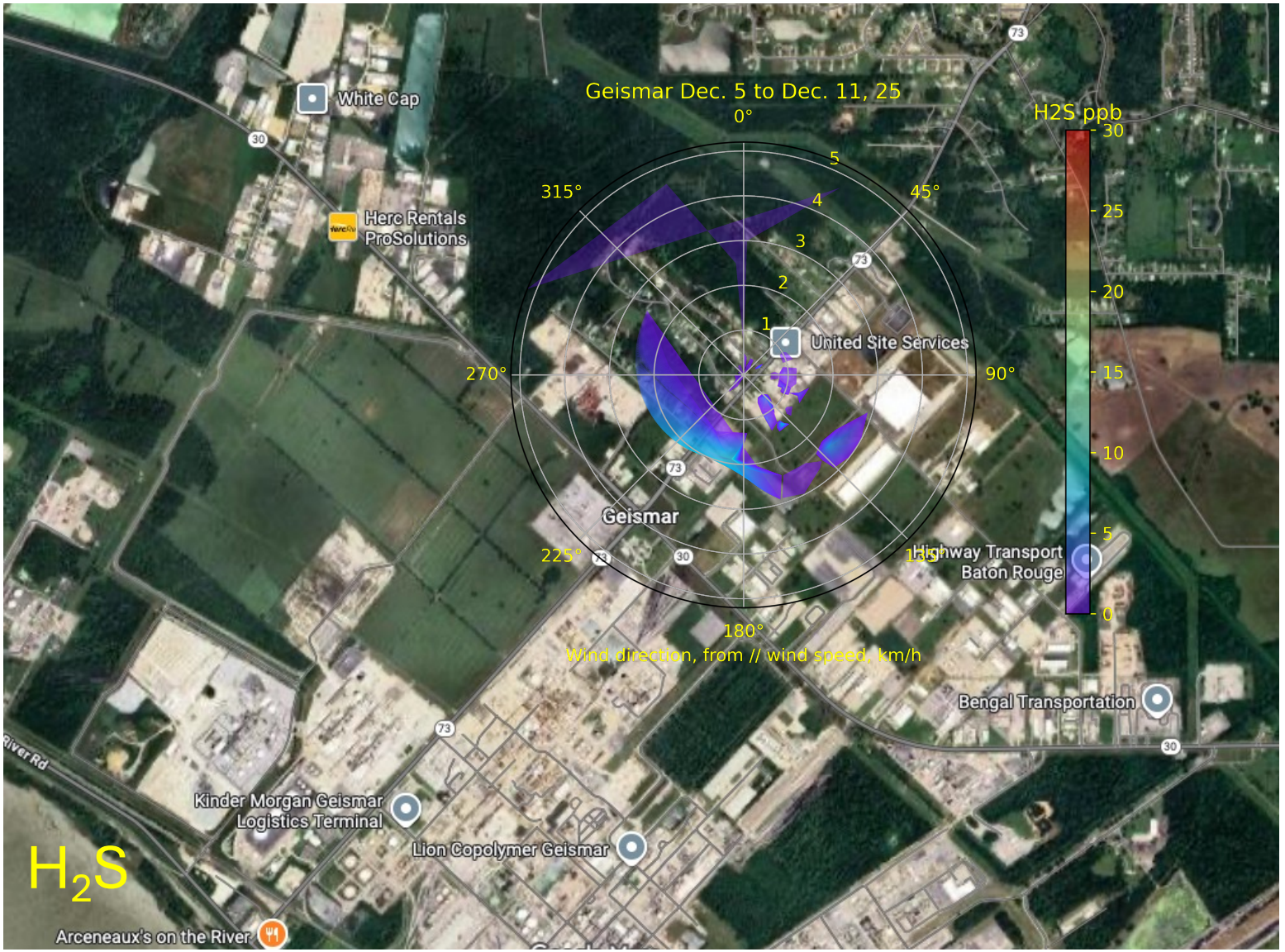
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	9.2	6.8	5.0	11.3	2.7	47.2	672
PM10 8 to 11	8.1	6.8	4.9	11.1	3.3	26.0	84
PM10 11 to 16	7.9	6.4	5.0	9.9	3.5	26.2	140
PM10 16 to 19	8.9	6.7	5.3	8.0	2.7	40.0	84
PM10 19 to 4	9.7	6.8	4.9	13.1	2.7	38.7	252

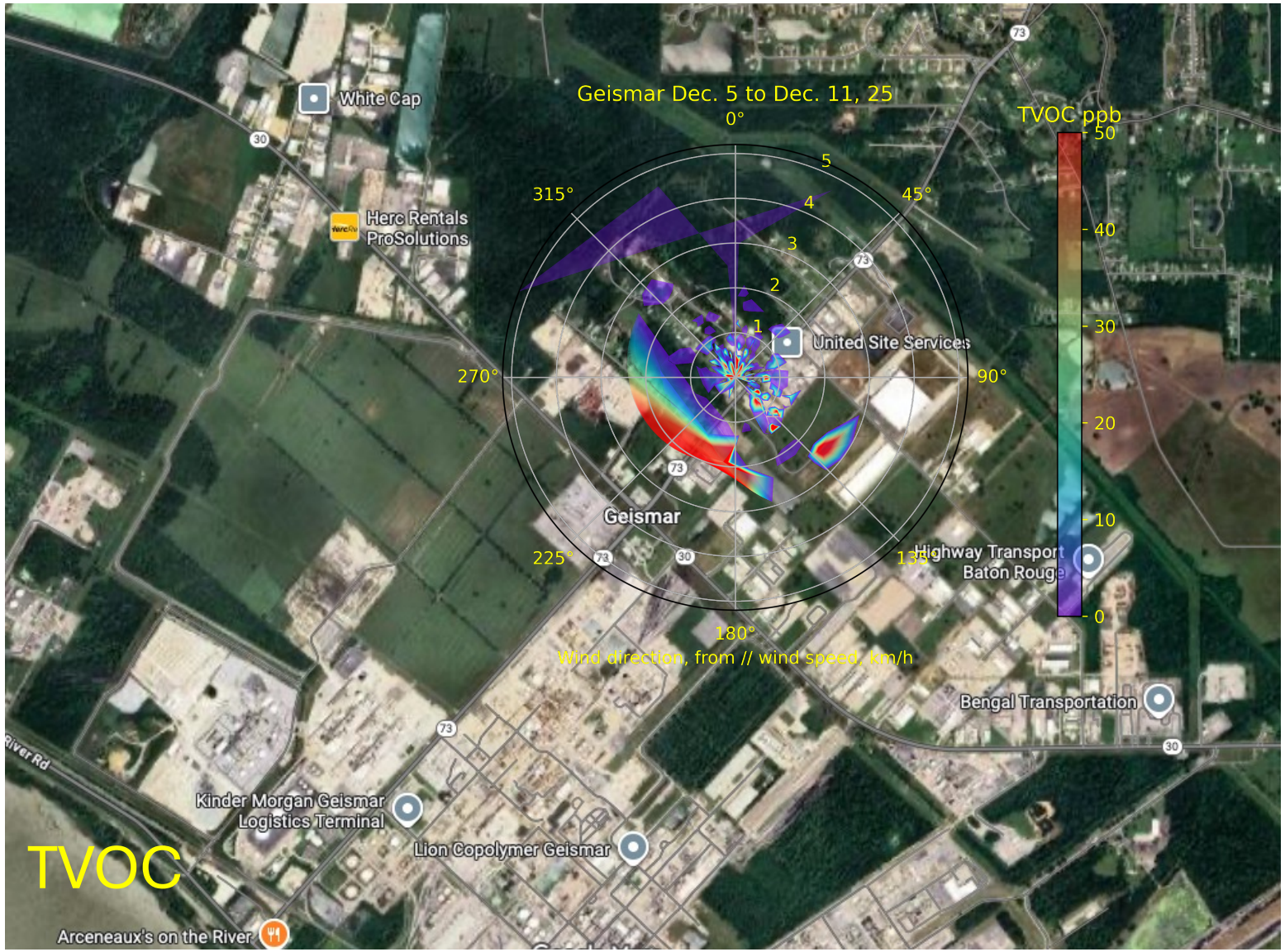
PM_1 data is not referenced and calibrated against regulatory monitor

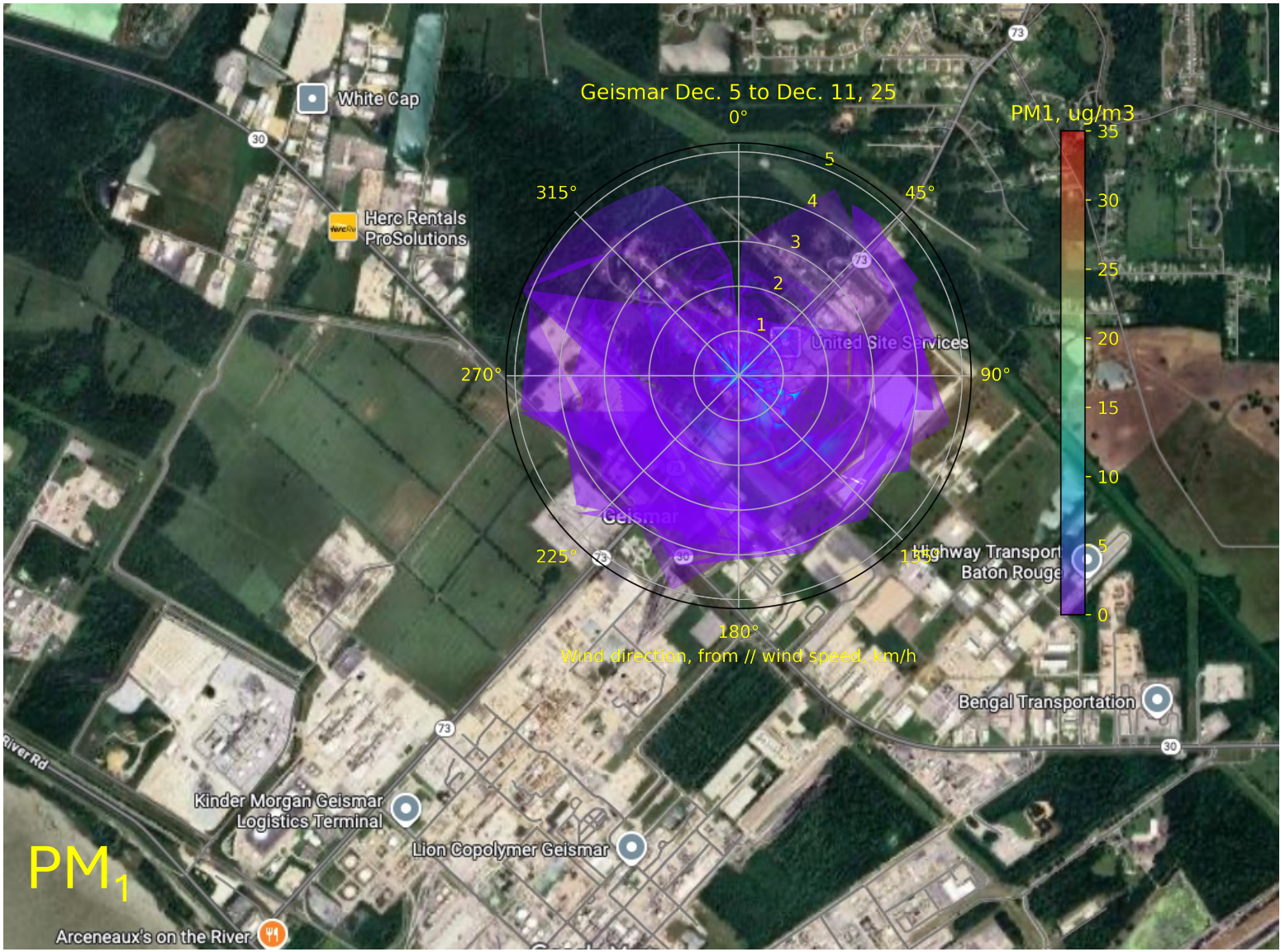

Geismar Dec. 5 to Dec. 11, 25
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
CO ppb
250
200
150
100
50
0
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
CO

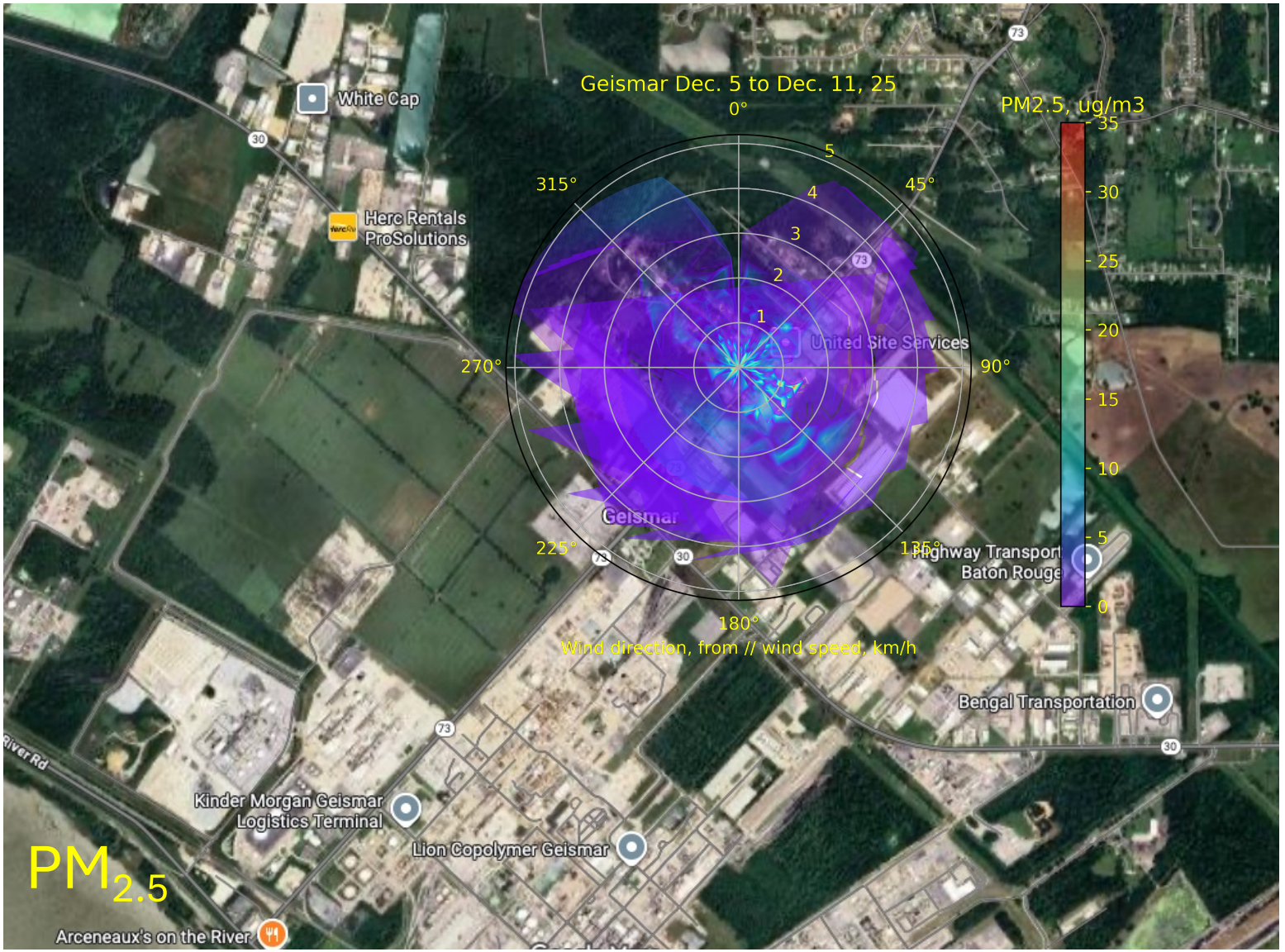

Geismar Dec. 5 to Dec. 11, 25
NO2 ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
NO2

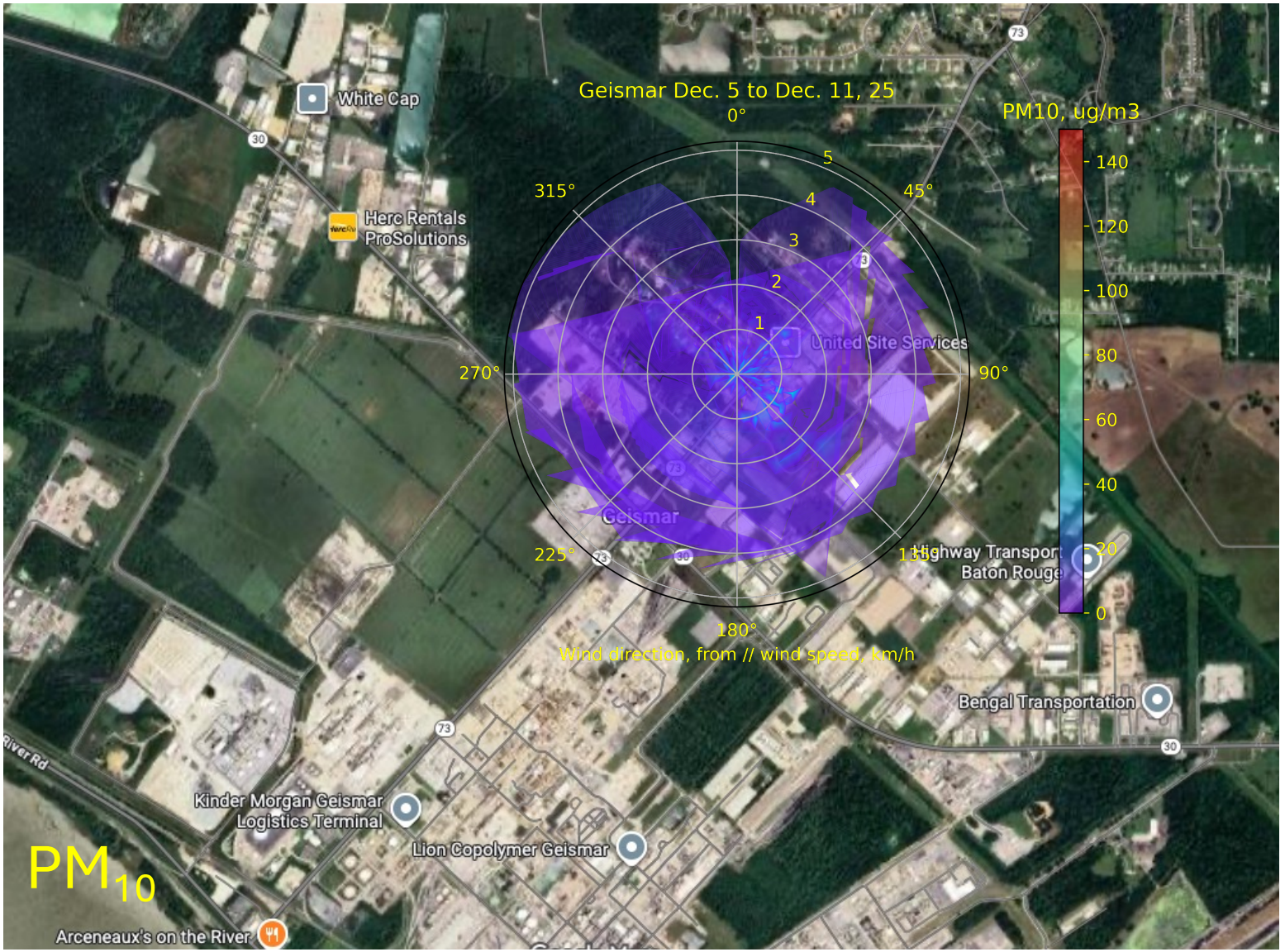

Geismar Dec. 5 to Dec. 11, 25
SO2 ppb
70
60
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
Wind direction, from // wind speed, km/h
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
SO2


Geismar Dec. 5 to Dec. 11, 25
H2S ppb
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
River Rd
H2S


Geismar Dec. 5 to Dec. 11, 25
TVOC 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
TVOC


Geismar Dec. 5 to Dec. 11, 25
PM1, ug/m3
35
30
25
20
15
10
5
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
PM1


Geismar Dec. 5 to Dec. 11, 25
PM2.5, 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
River Rd
PM2.5


Geismar Dec. 5 to Dec. 11, 25
PM10, ug/m3
140
120
100
80
60
40
20
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
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Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
PM10

GEISMAR POD 12/05-12/11

- TVOC driven from 2 independent directions West and from South-East.
- South-East TVOC also associated with mid-levels of PM
- South-West TVOC as a significant contributor to air quality
- NO_2 associated with South-West and South-East wind direction