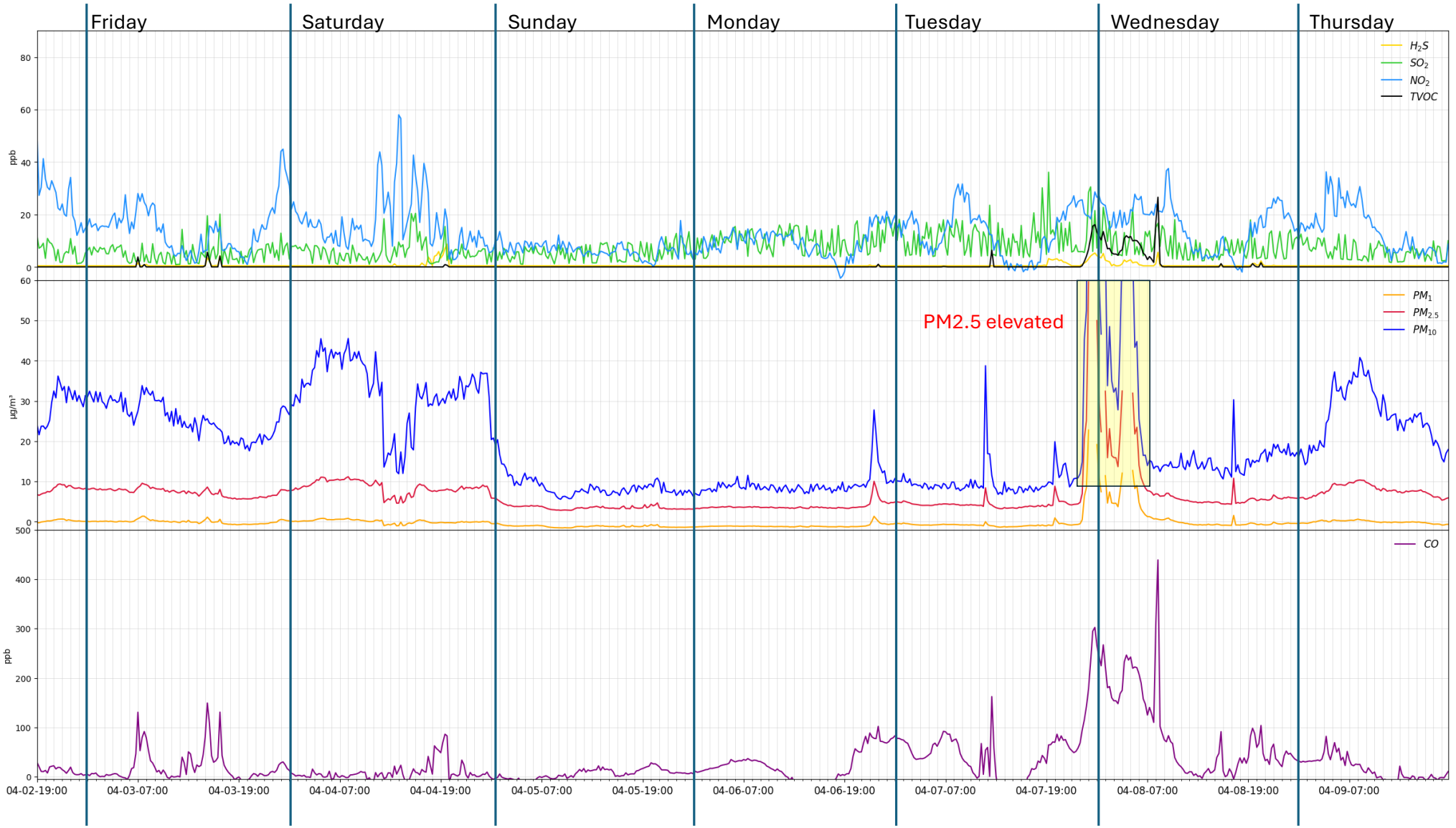
Geismar POD

April 3 – April 9, 2026

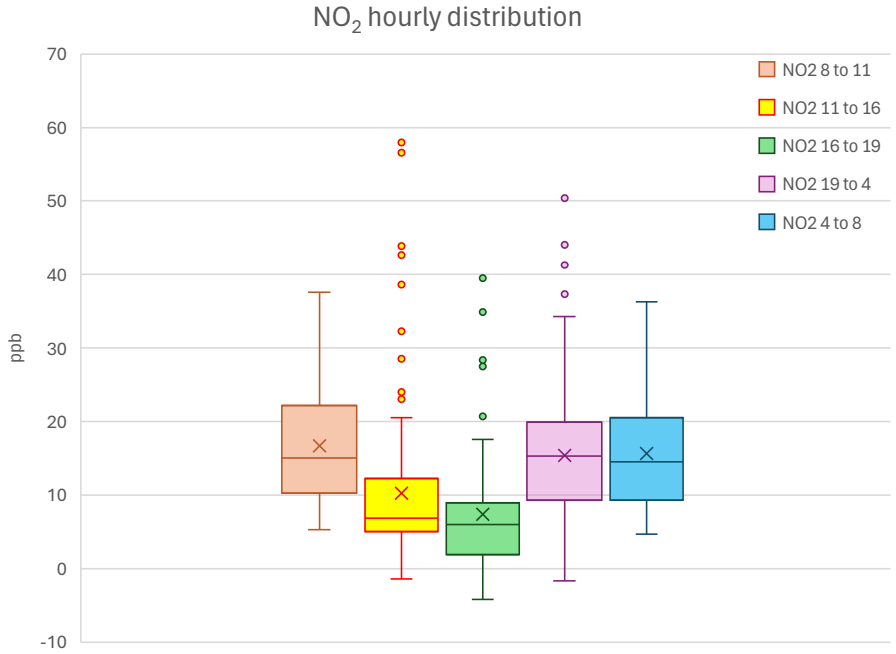
Disclaimer

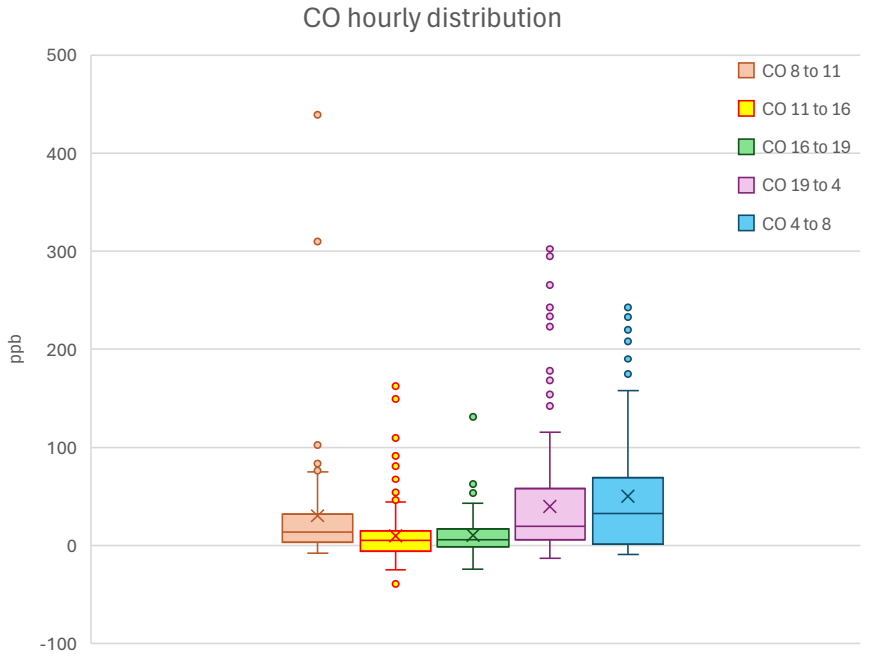
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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


Friday
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
H_2S
SO_2
NO_2
TVOC
ppb
PM2.5 elevated
PM_1
$PM_{2.5}$
PM_{10}
µg/m³
CO
ppb
04-02-19:00
04-03-07:00
04-03-19:00
04-04-07:00
04-04-19:00
04-05-07:00
04-05-19:00
04-06-07:00
04-06-19:00
04-07-07:00
04-07-19:00
04-08-07:00
04-08-19:00
04-09-07:00

Hourly concentration distribution

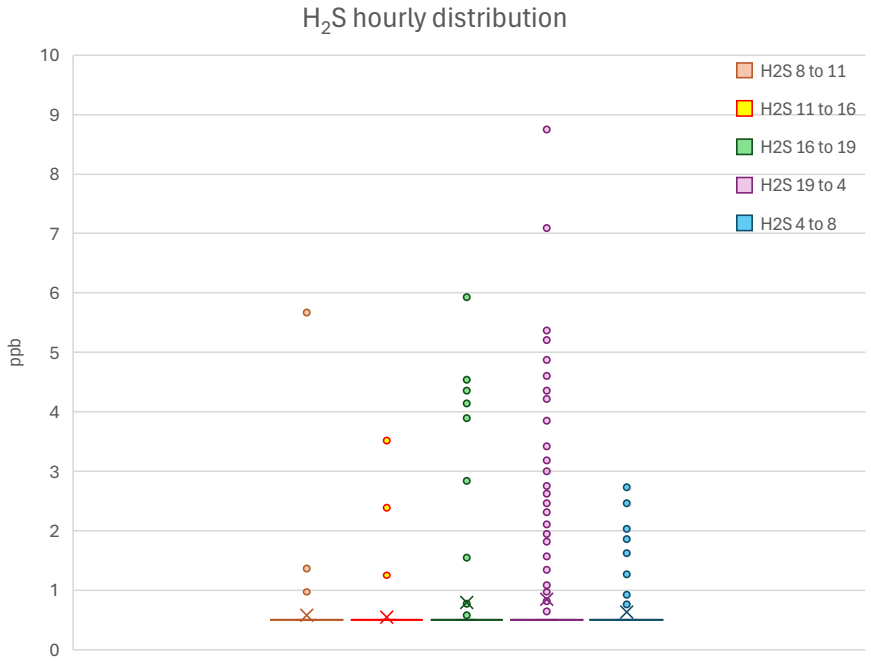


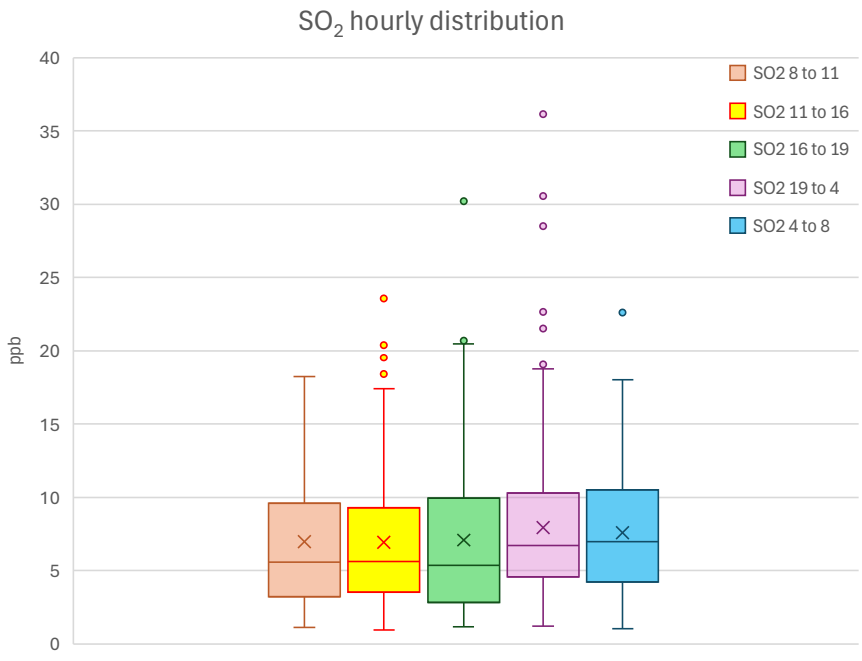


ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO_2 4 to 8	*15.6*	*14.6*	*9.3*	*20.5*	*4.7*	*36.3*	*112*
NO_2 8 to 11	*16.7*	*15.1*	*10.3*	*22.2*	*5.3*	*37.6*	*84*
NO_2 11 to 16	*10.2*	*6.8*	*5.0*	*12.2*	*-1.4*	*58.0*	*140*
NO_2 16 to 19	*7.4*	*6.0*	*1.9*	*9.0*	*-4.2*	*39.5*	*84*
NO_2 19 to 4	*15.4*	*15.3*	*9.2*	*20.0*	*-1.7*	*50.4*	*252*

ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	*50.1*	*32.2*	*1.1*	*69.0*	*-9.2*	*246.4*	*112*
CO 8 to 11	*30.2*	*13.3*	*3.3*	*32.1*	*-8.0*	*438.9*	*84*
CO 11 to 16	*9.5*	*5.4*	*-5.9*	*14.8*	*-39.5*	*162.4*	*140*
CO 16 to 19	*10.6*	*5.7*	*-1.8*	*17.1*	*-24.6*	*130.9*	*84*
CO 19 to 4	*39.9*	*19.7*	*5.5*	*58.2*	*-13.0*	*302.4*	*252*

Hourly concentration distribution





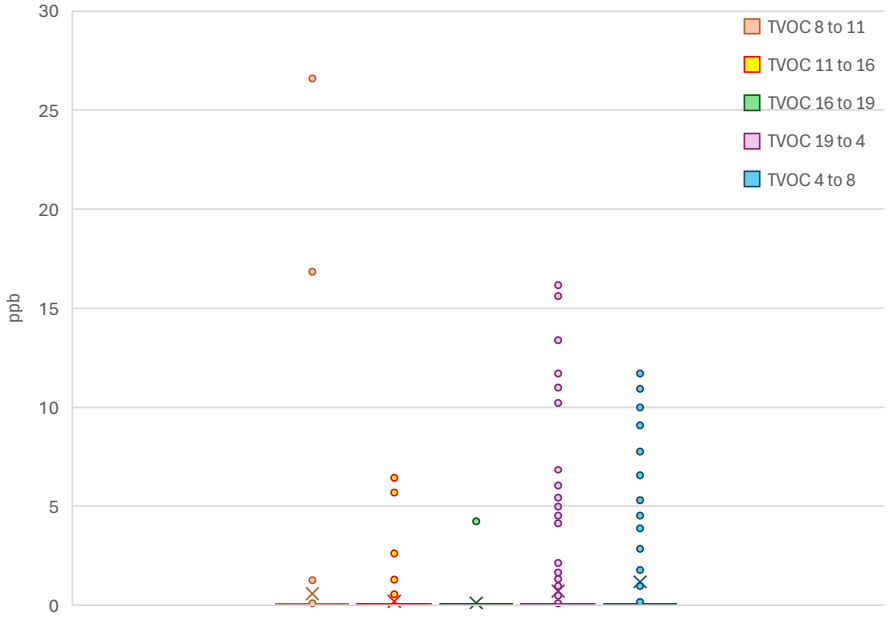
ppb	Mean	Median	Q1	Q3	Min	Max	# points
H_2S 4 to 8	0.6	0.5	0.5	0.5	0.5	2.8	112
H_2S 8 to 11	0.6	0.5	0.5	0.5	0.5	5.7	84
H_2S 11 to 16	0.5	0.5	0.5	0.5	0.5	3.5	140
H_2S 16 to 19	0.8	0.5	0.5	0.5	0.5	5.9	84
H_2S 19 to 4	0.8	0.5	0.5	0.5	0.5	8.8	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO_2 4 to 8	7.6	7.0	4.2	10.5	1.0	22.6	112
SO_2 8 to 11	7.0	5.6	3.2	9.6	1.1	18.3	84
SO_2 11 to 16	6.9	5.6	3.5	9.3	0.9	23.6	140
SO_2 16 to 19	7.1	5.4	2.8	9.9	1.2	30.2	84
SO_2 19 to 4	7.9	6.7	4.6	10.3	1.2	36.1	252

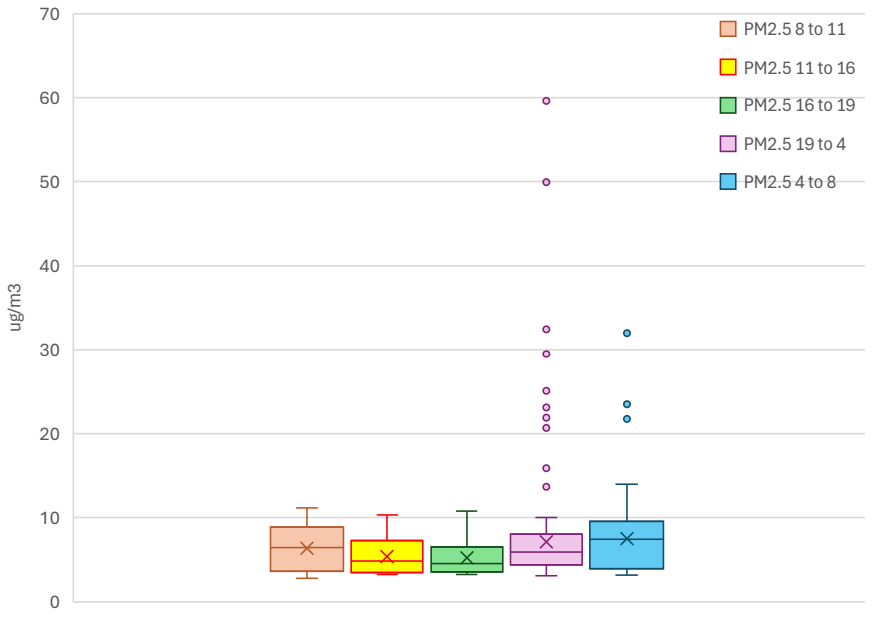
H_2S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution

TVOC hourly distribution



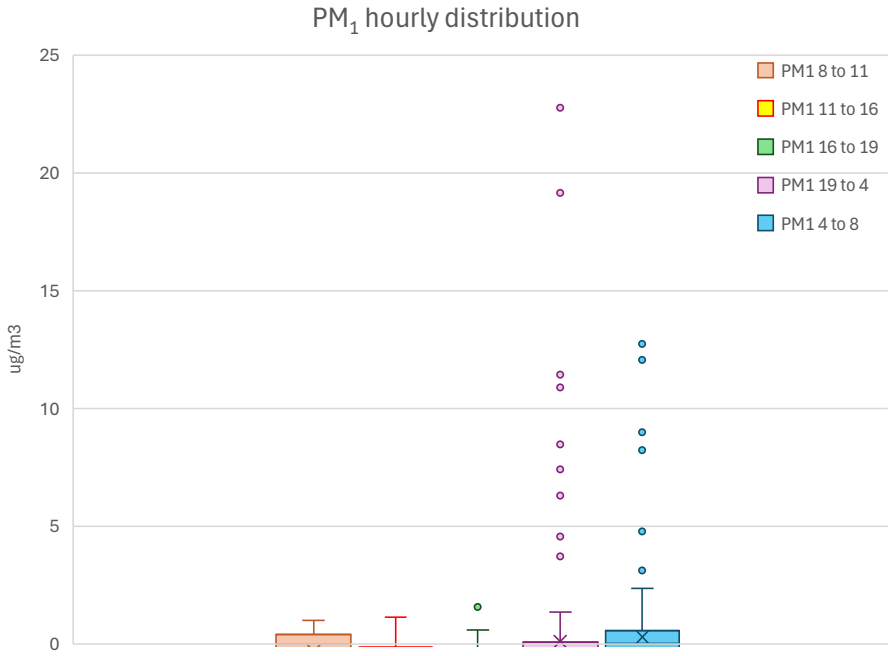
$PM_{2.5}$ hourly distribution

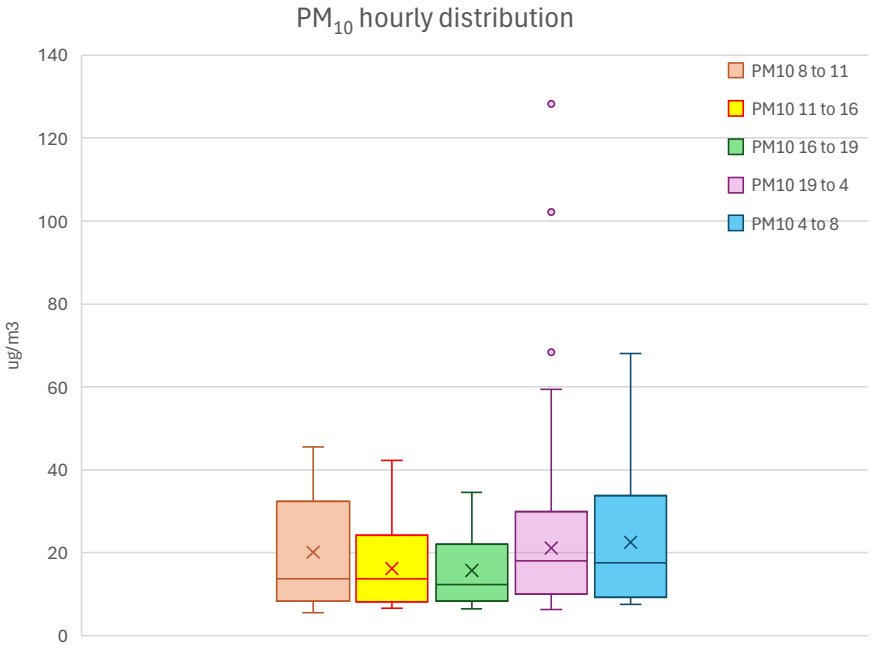


ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	*1.2*	*0.1*	*0.1*	*0.1*	*0.1*	*12.0*	*112*
TVOC 8 to 11	*0.6*	*0.1*	*0.1*	*0.1*	*0.1*	*26.6*	*84*
TVOC 11 to 16	*0.2*	*0.1*	*0.1*	*0.1*	*0.1*	*6.4*	*140*
TVOC 16 to 19	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*4.2*	*84*
TVOC 19 to 4	*0.7*	*0.1*	*0.1*	*0.1*	*0.1*	*16.2*	*252*

ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
$PM_{2.5}$ 4 to 8	*7.5*	*7.4*	*3.9*	*9.6*	*3.2*	*32.5*	*108*
$PM_{2.5}$ 8 to 11	*6.4*	*6.4*	*3.7*	*8.9*	*2.8*	*11.2*	*84*
$PM_{2.5}$ 11 to 16	*5.4*	*4.9*	*3.5*	*7.3*	*3.2*	*10.3*	*140*
$PM_{2.5}$ 16 to 19	*5.2*	*4.6*	*3.6*	*6.5*	*3.2*	*10.8*	*84*
$PM_{2.5}$ 19 to 4	*7.1*	*5.9*	*4.4*	*8.1*	*3.1*	*59.6*	*248*

Hourly concentration distribution

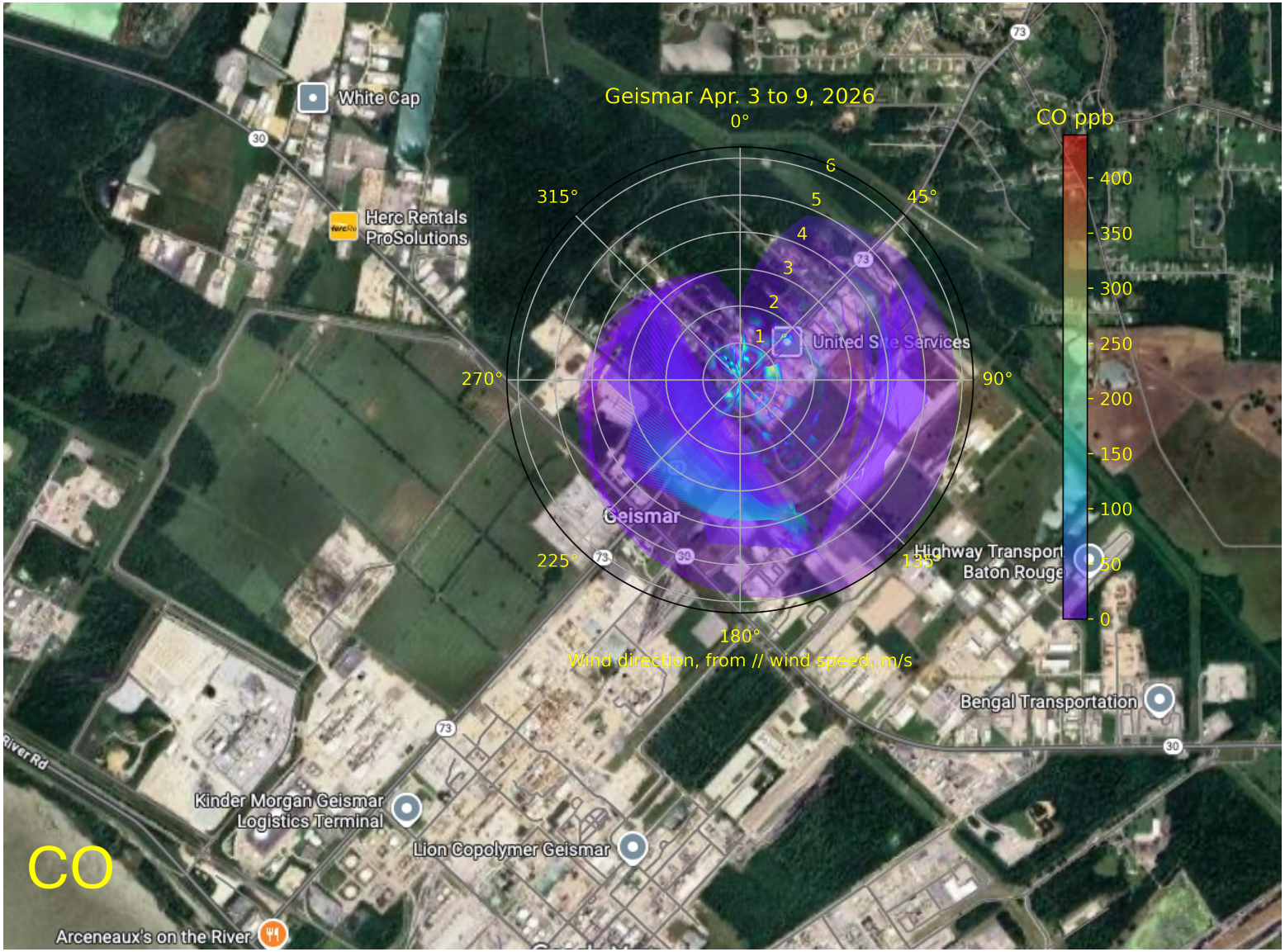


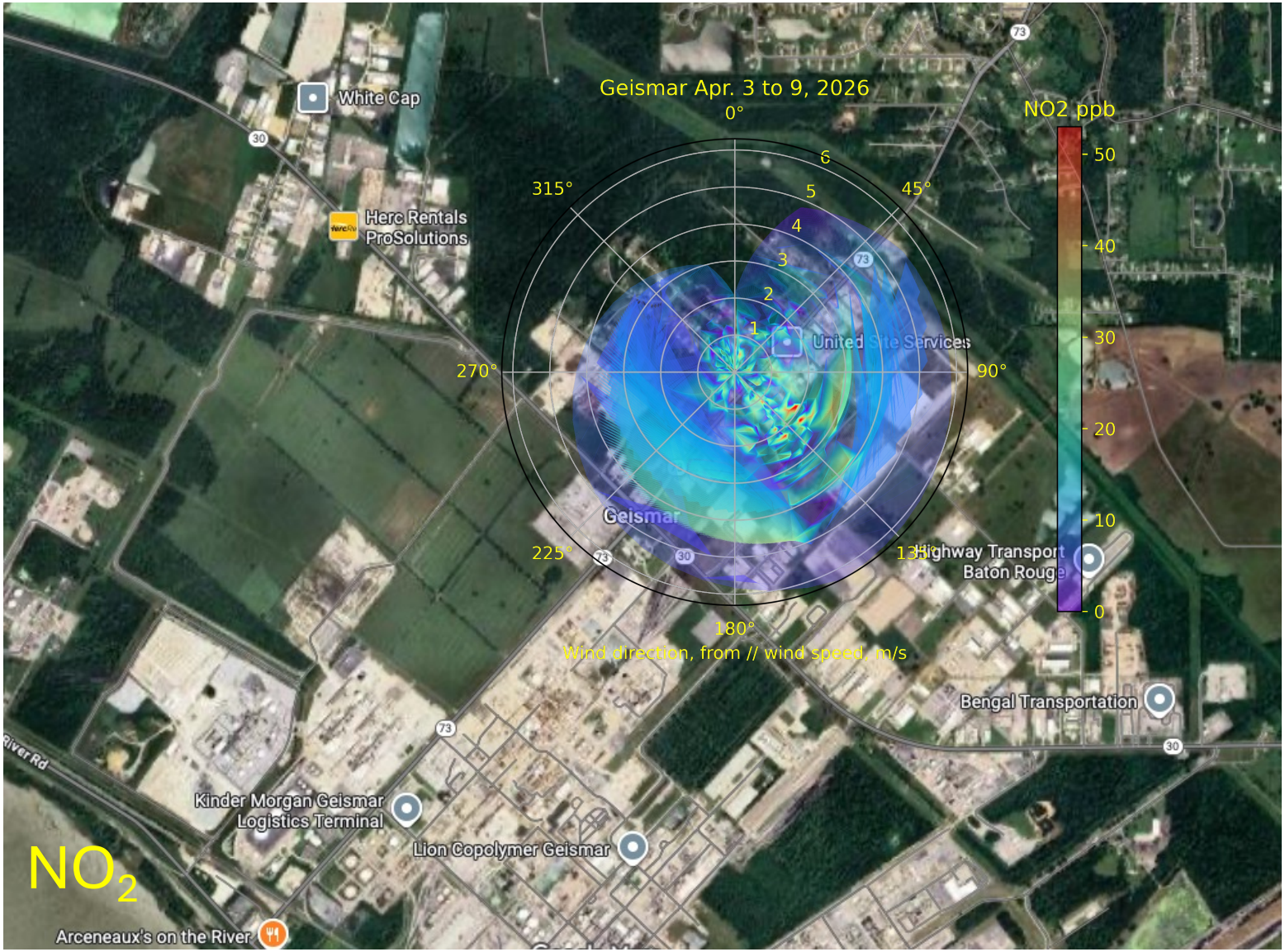


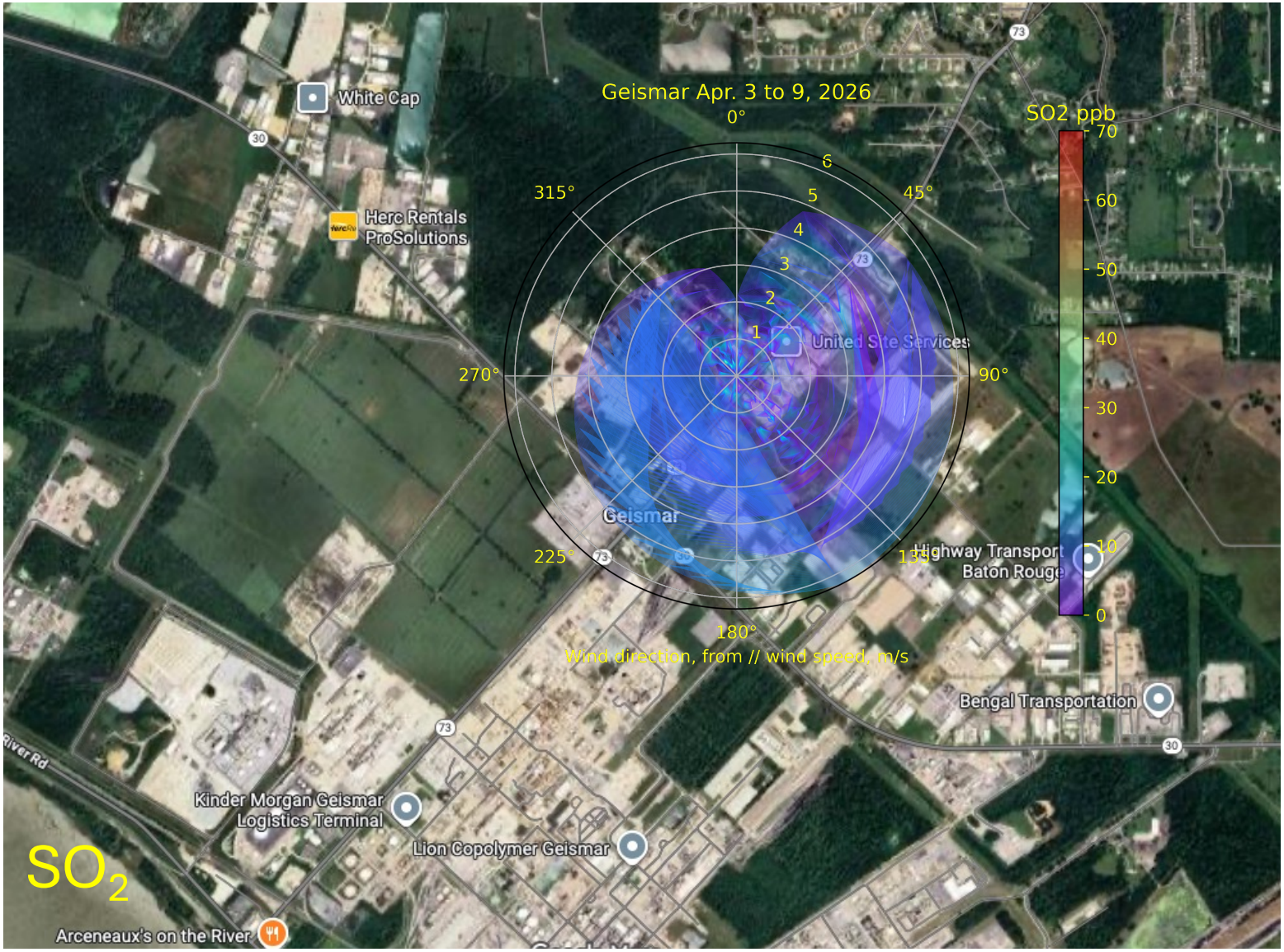
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM_1 4 to 8	*0.3*	*0.0*	*-1.0*	*0.6*	*-1.3*	*12.7*	*108*
PM_1 8 to 11	*-0.3*	*0.0*	*-1.1*	*0.4*	*-1.5*	*1.0*	*84*
PM_1 11 to 16	*-0.7*	*-0.8*	*-1.2*	*-0.1*	*-1.4*	*1.1*	*140*
PM_1 16 to 19	*-0.7*	*-0.8*	*-1.2*	*-0.4*	*-1.3*	*1.6*	*84*
PM_1 19 to 4	*0.1*	*-0.4*	*-0.8*	*0.1*	*-1.4*	*22.8*	*248*

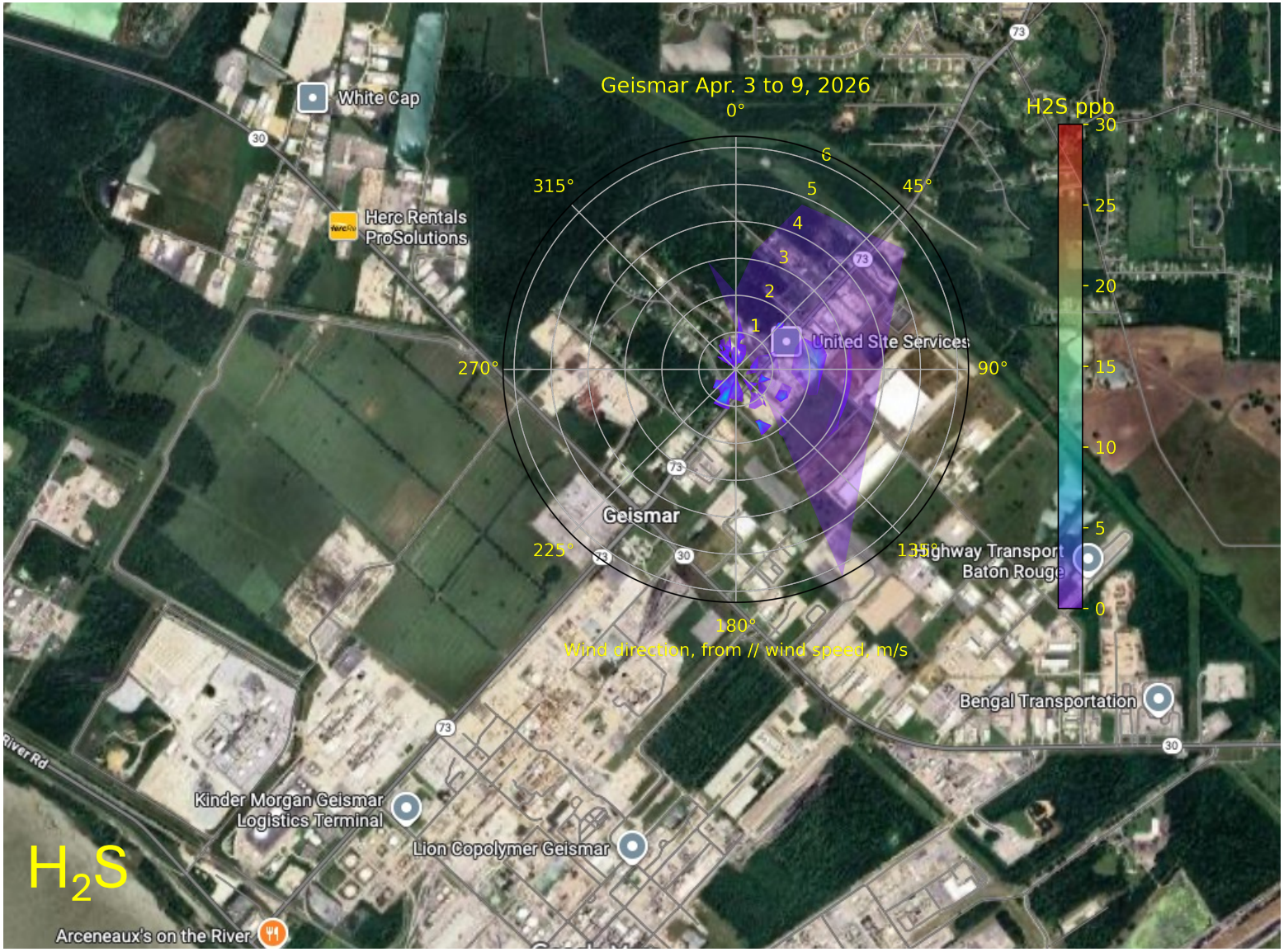
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM_{10} 4 to 8	*22.6*	*17.5*	*9.2*	*33.8*	*7.5*	*68.0*	*108*
PM_{10} 8 to 11	*20.1*	*13.7*	*8.3*	*32.3*	*5.6*	*45.5*	*84*
PM_{10} 11 to 16	*16.1*	*13.7*	*8.2*	*24.3*	*6.5*	*42.2*	*140*
PM_{10} 16 to 19	*15.7*	*12.3*	*8.3*	*22.1*	*6.5*	*34.6*	*84*
PM_{10} 19 to 4	*21.1*	*18.1*	*10.0*	*30.1*	*6.4*	*128.3*	*248*

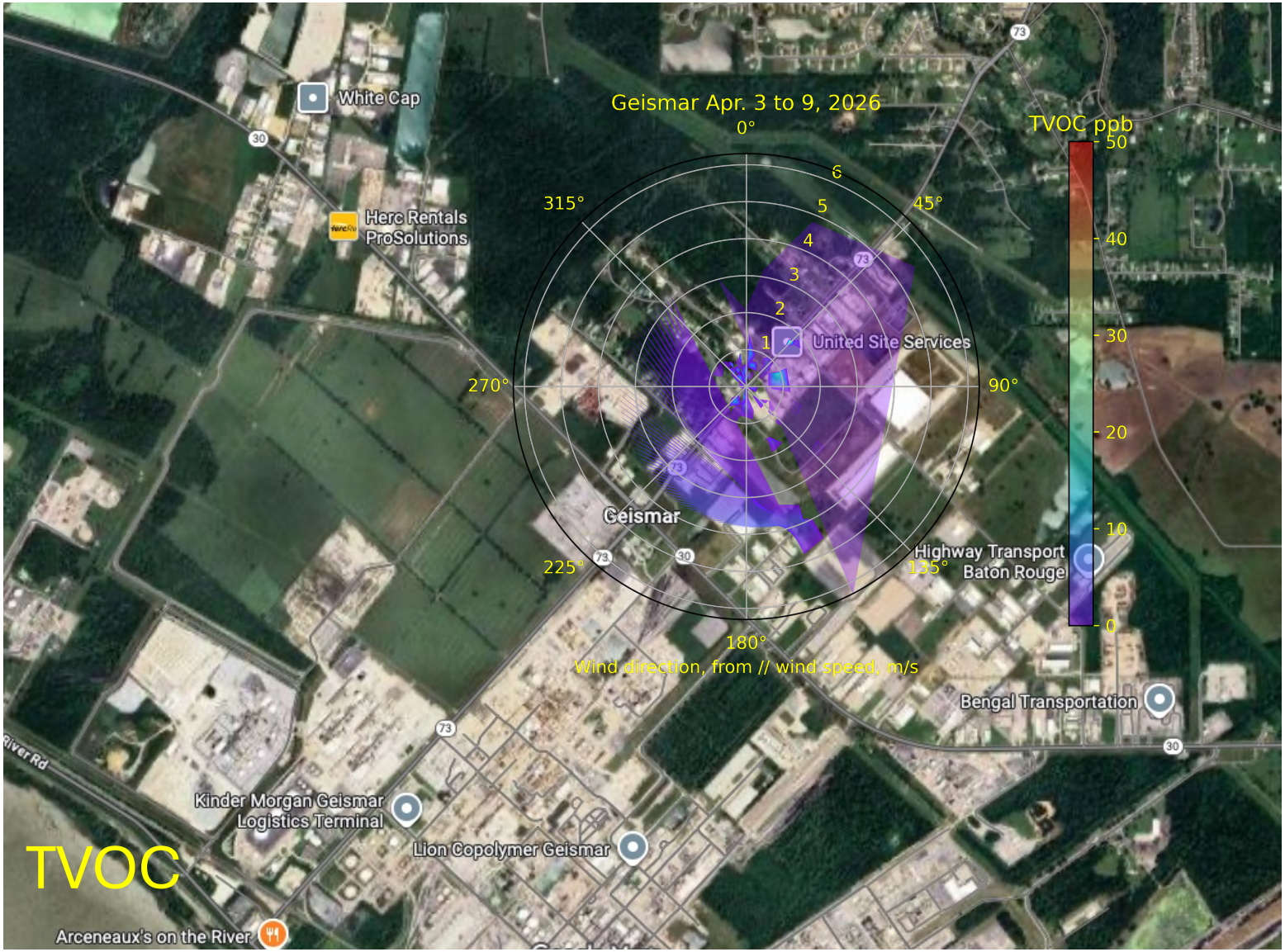
PM_1 data is not referenced and calibrated against regulatory monitor

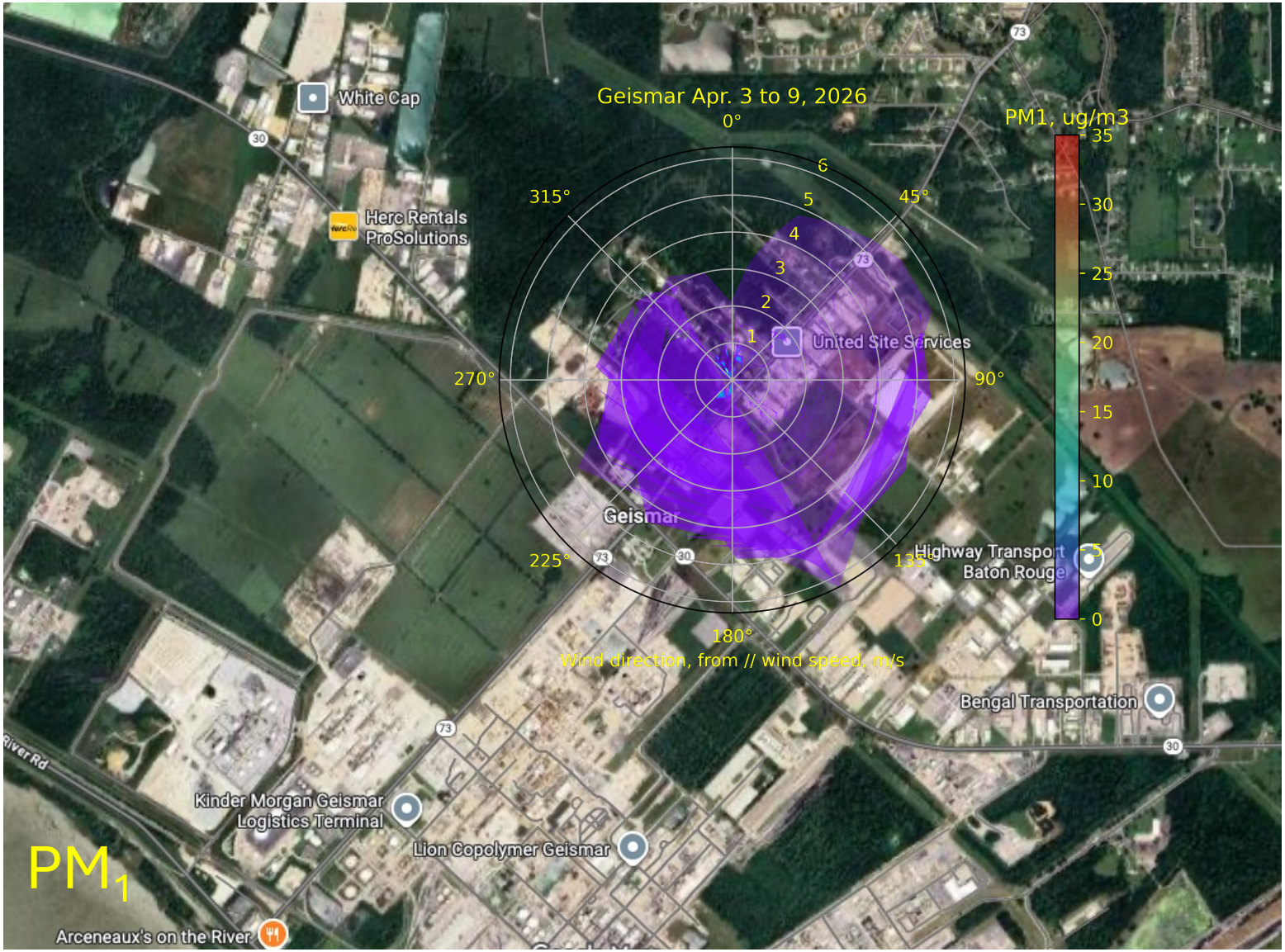

Geismar Apr. 3 to 9, 2026
CO ppb
400
350
300
250
200
150
100
50
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, m/s
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
CO

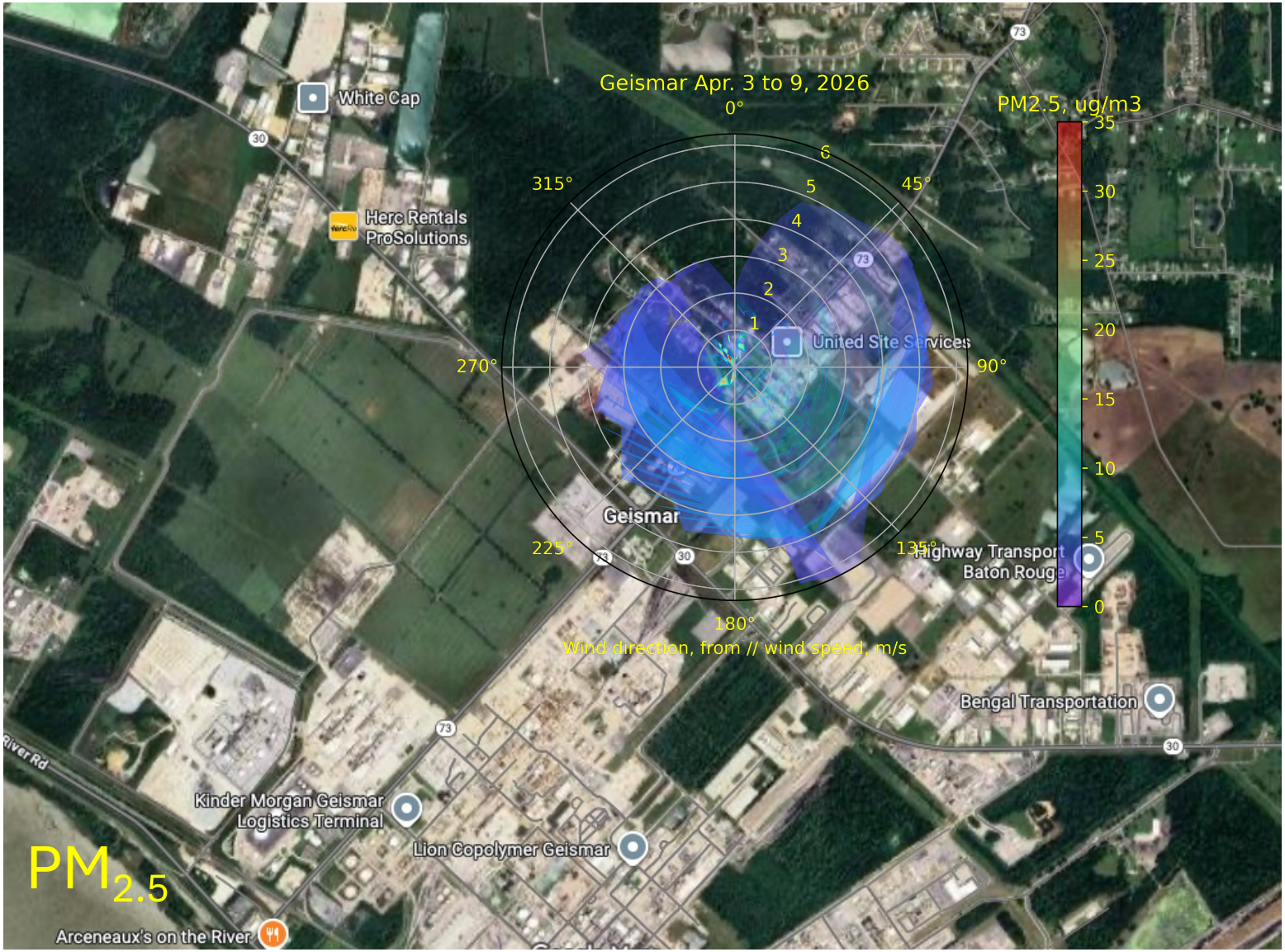

Geismar Apr. 3 to 9, 2026
NO2 ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, m/s
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
NO2

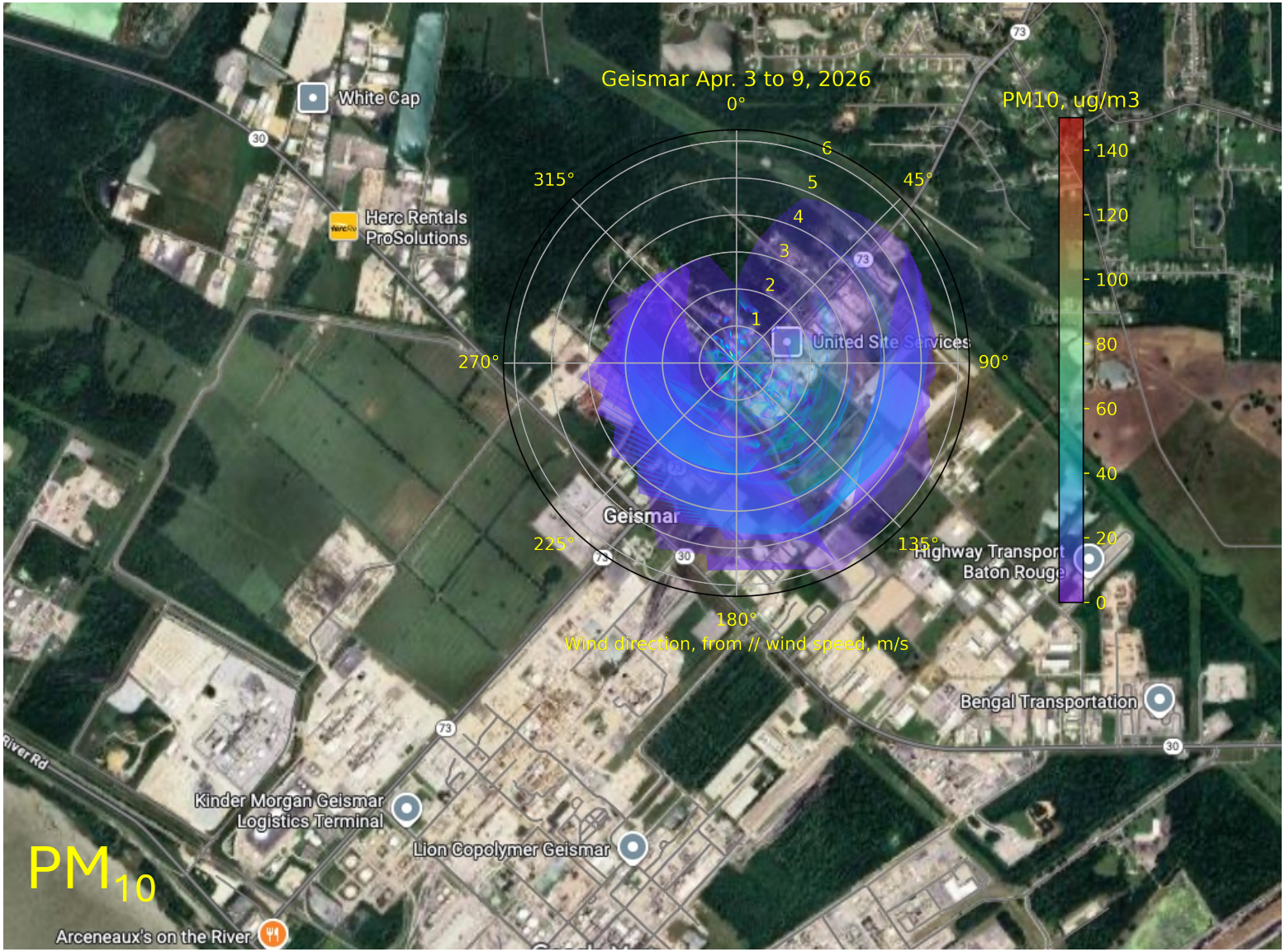

Geismar Apr. 3 to 9, 2026
SO2 ppb
70
60
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, m/s
White Cap
Herc Rentals ProSolutions
United Site Services
Geismar
Highway Transport Baton Rouge
Bengal Transportation
Kinder Morgan Geismar Logistics Terminal
Lion Copolymer Geismar
Arceneaux's on the River
River Rd
73
30
SO2


Geismar Apr. 3 to 9, 2026
H2S ppb
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, m/s
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 Apr. 3 to 9, 2026
TVOC ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, m/s
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 Apr. 3 to 9, 2026
PM1, ug/m3
35
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, m/s
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 Apr. 3 to 9, 2026
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
6
Wind direction, from // wind speed, m/s
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 Apr. 3 to 9, 2026
PM10, ug/m3
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
140
120
100
80
60
40
20
0
Wind direction, from // wind speed, m/s
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
PM10

GEISMAR POD 4/3-4/9

- Major combustion emission event associated with high PM2.5. (Night of 04/07-04/08) . No directional indications – stagnant weather conditions