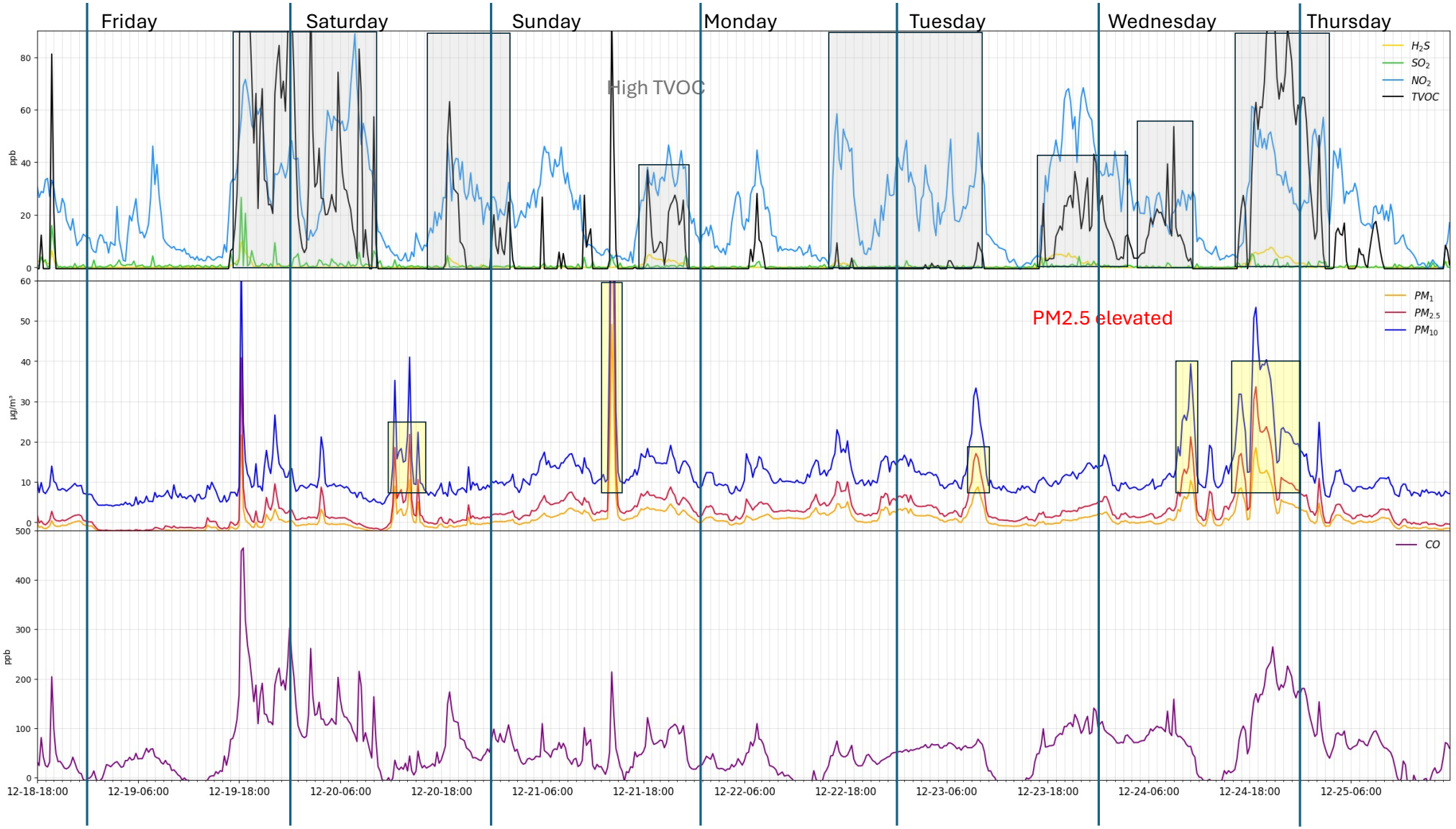
Donaldsonville POD

December 19 – December 25, 2025

Disclaimer

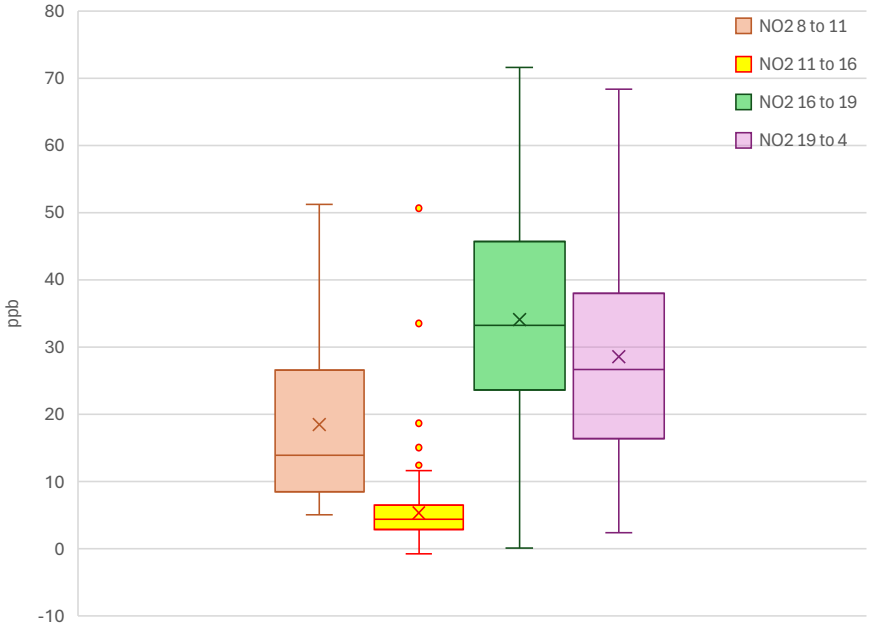
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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


Friday
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
High TVOC
PM2.5 elevated
H_2S
SO_2
NO_2
TVOC
PM_1
$PM_{2.5}$
PM_{10}
CO
ppb
µg/m³
12-18-18:00
12-19-06:00
12-19-18:00
12-20-06:00
12-20-18:00
12-21-06:00
12-21-18:00
12-22-06:00
12-22-18:00
12-23-06:00
12-23-18:00
12-24-06:00
12-24-18:00
12-25-06:00

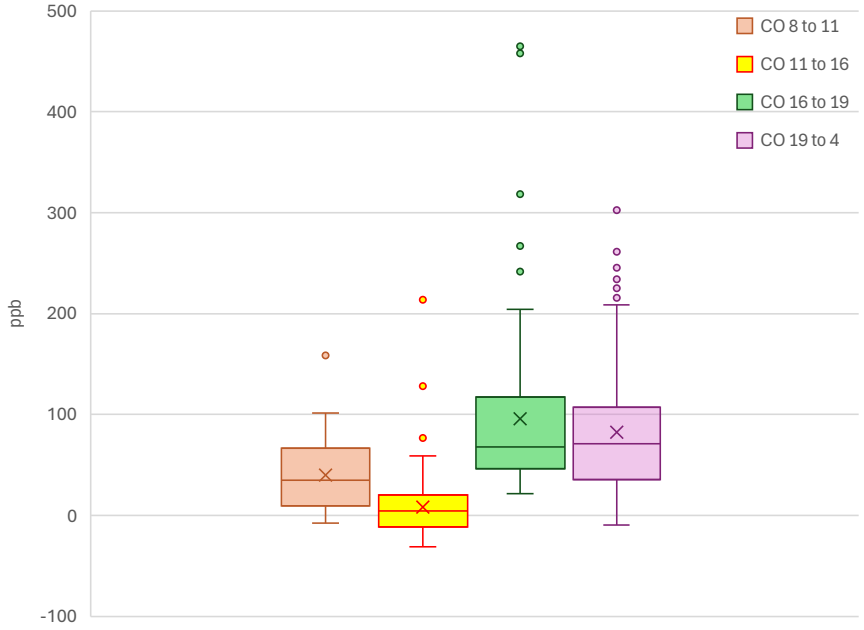
Hourly concentration distribution

NO2 hourly distribution



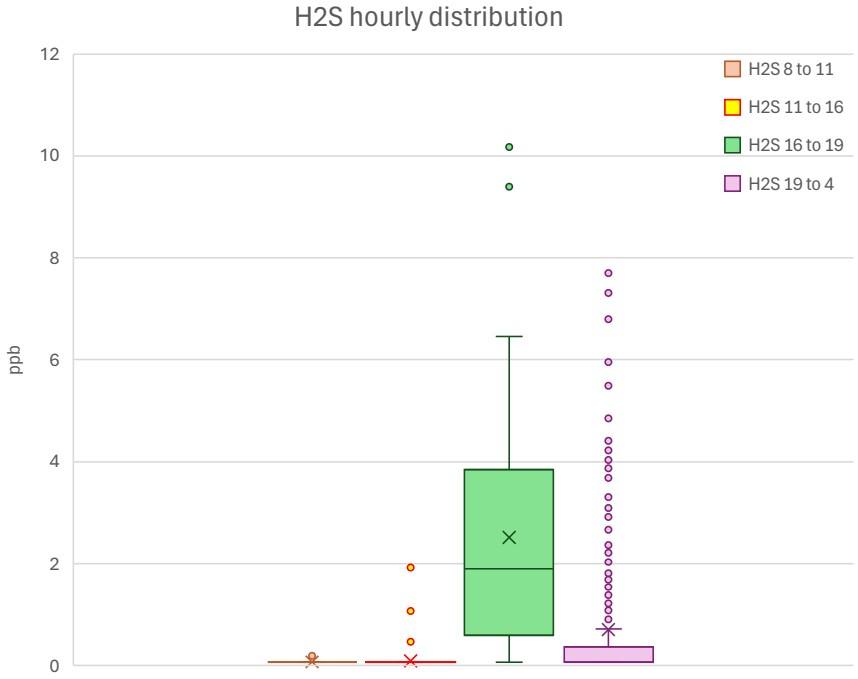
ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	23.5	21.7	8.5	34.6	-0.7	88.9	672
NO2 8 to 11	18.5	13.9	8.5	26.5	5.1	51.2	84
NO2 11 to 16	5.4	4.3	2.8	6.5	-0.7	50.7	140
NO2 16 to 19	34.1	33.2	23.6	45.7	0.1	71.5	84
NO2 19 to 4	28.5	26.7	16.3	38.0	2.4	68.4	252

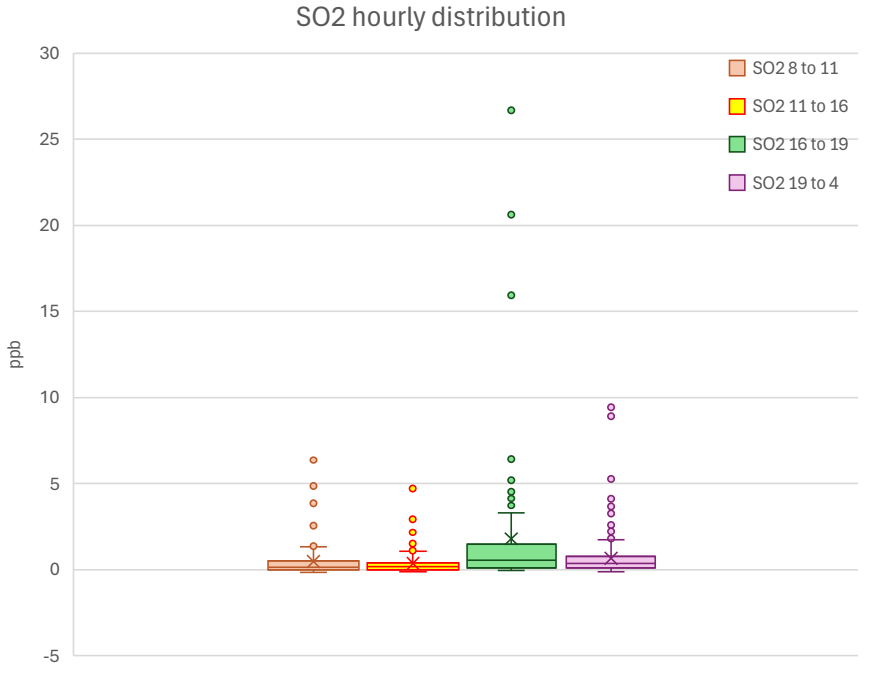
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	61.8	52.0	21.8	85.9	-31.1	464.6	672
CO 8 to 11	40.0	34.6	9.5	66.8	-8.0	163.7	84
CO 11 to 16	8.3	4.4	-11.3	20.2	-31.1	213.8	140
CO 16 to 19	95.9	67.8	46.4	117.1	21.6	464.6	84
CO 19 to 4	82.2	70.7	35.4	107.9	-9.7	302.4	252

Hourly concentration distribution



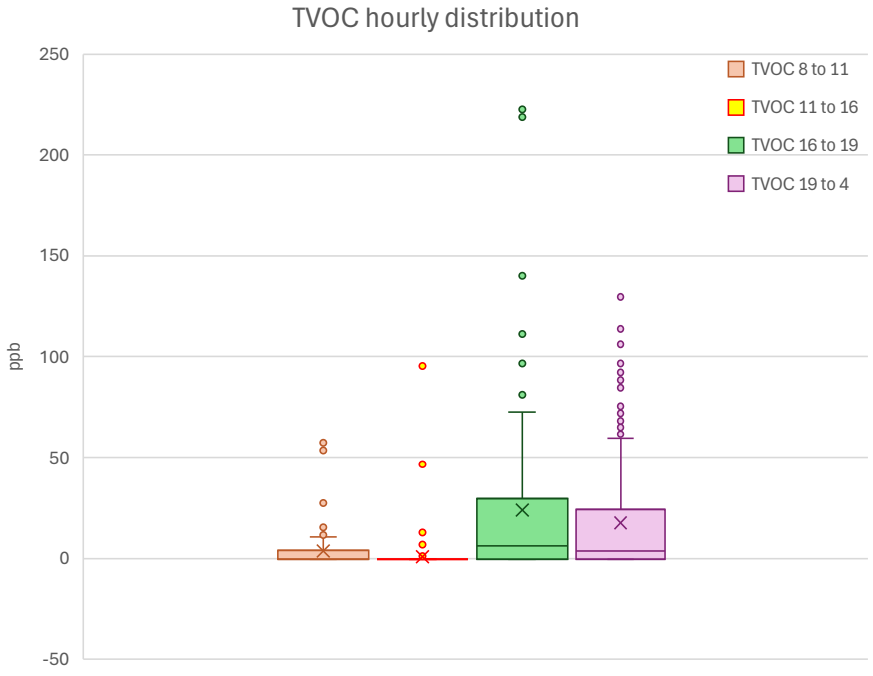


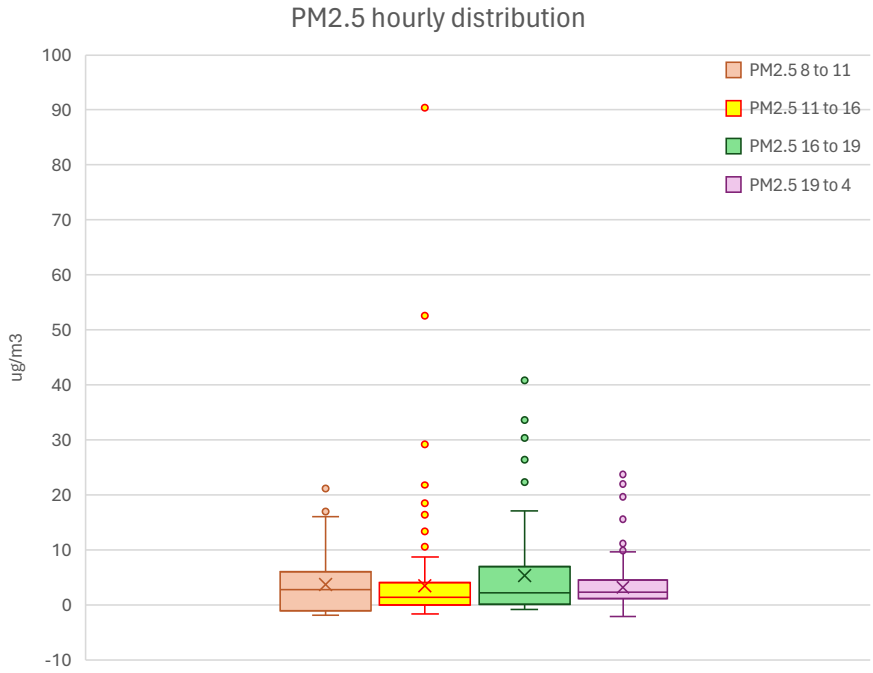
ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.6	0.1	0.1	0.1	0.1	10.2	672
H2S 8 to 11	0.1	0.1	0.1	0.1	0.1	0.2	84
H2S 11 to 16	0.1	0.1	0.1	0.1	0.1	1.9	140
H2S 16 to 19	2.5	1.9	0.6	3.9	0.1	10.2	84
H2S 19 to 4	0.7	0.1	0.1	0.4	0.1	7.7	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	0.7	0.3	0.0	0.7	-0.2	26.7	672
SO2 8 to 11	0.5	0.1	0.0	0.5	-0.2	6.4	84
SO2 11 to 16	0.4	0.2	0.0	0.4	-0.1	4.7	140
SO2 16 to 19	1.8	0.6	0.1	1.5	-0.1	26.7	84
SO2 19 to 4	0.7	0.4	0.1	0.8	-0.1	9.4	252

H_2S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution



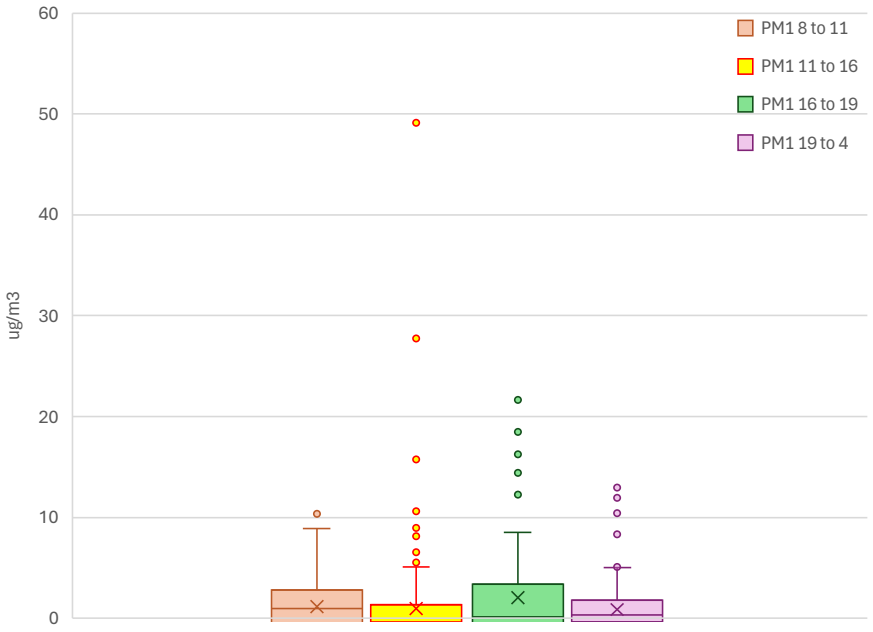


ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	11.6	-0.5	-0.5	12.7	-0.5	222.6	672
TVOC 8 to 11	3.7	-0.5	-0.5	4.0	-0.5	57.3	84
TVOC 11 to 16	0.7	-0.5	-0.5	-0.5	-0.5	95.4	140
TVOC 16 to 19	24.0	6.3	-0.5	29.6	-0.5	222.6	84
TVOC 19 to 4	17.5	3.5	-0.5	24.5	-0.5	129.5	252

ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	3.4	2.1	0.6	4.5	-2.1	90.4	672
PM2.5 8 to 11	3.7	2.9	-1.0	6.0	-1.8	21.2	84
PM2.5 11 to 16	3.5	1.4	0.0	4.1	-1.6	90.4	140
PM2.5 16 to 19	5.4	2.2	0.2	6.9	-0.7	40.8	84
PM2.5 19 to 4	3.2	2.3	1.2	4.6	-2.1	23.8	252

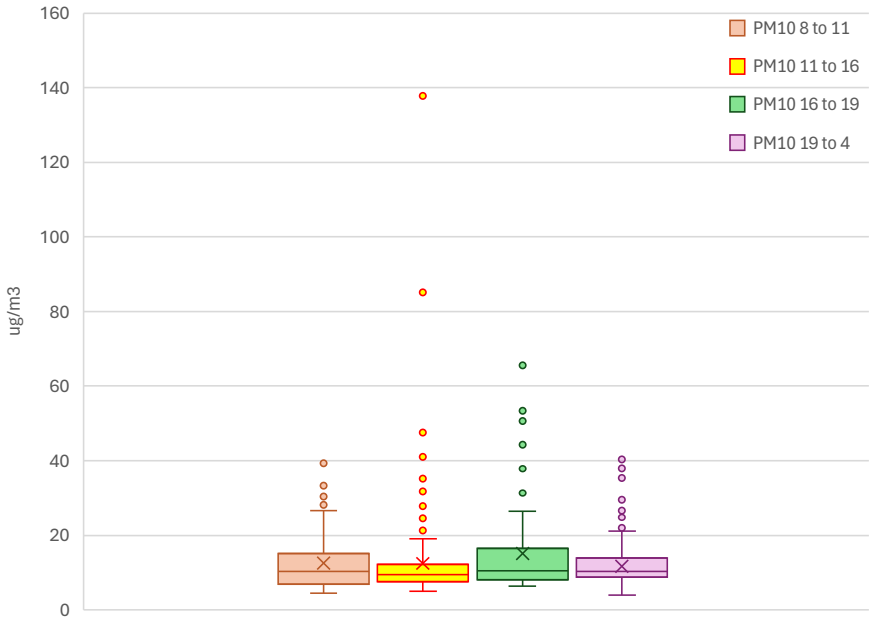
Hourly concentration distribution

PM1 hourly distribution



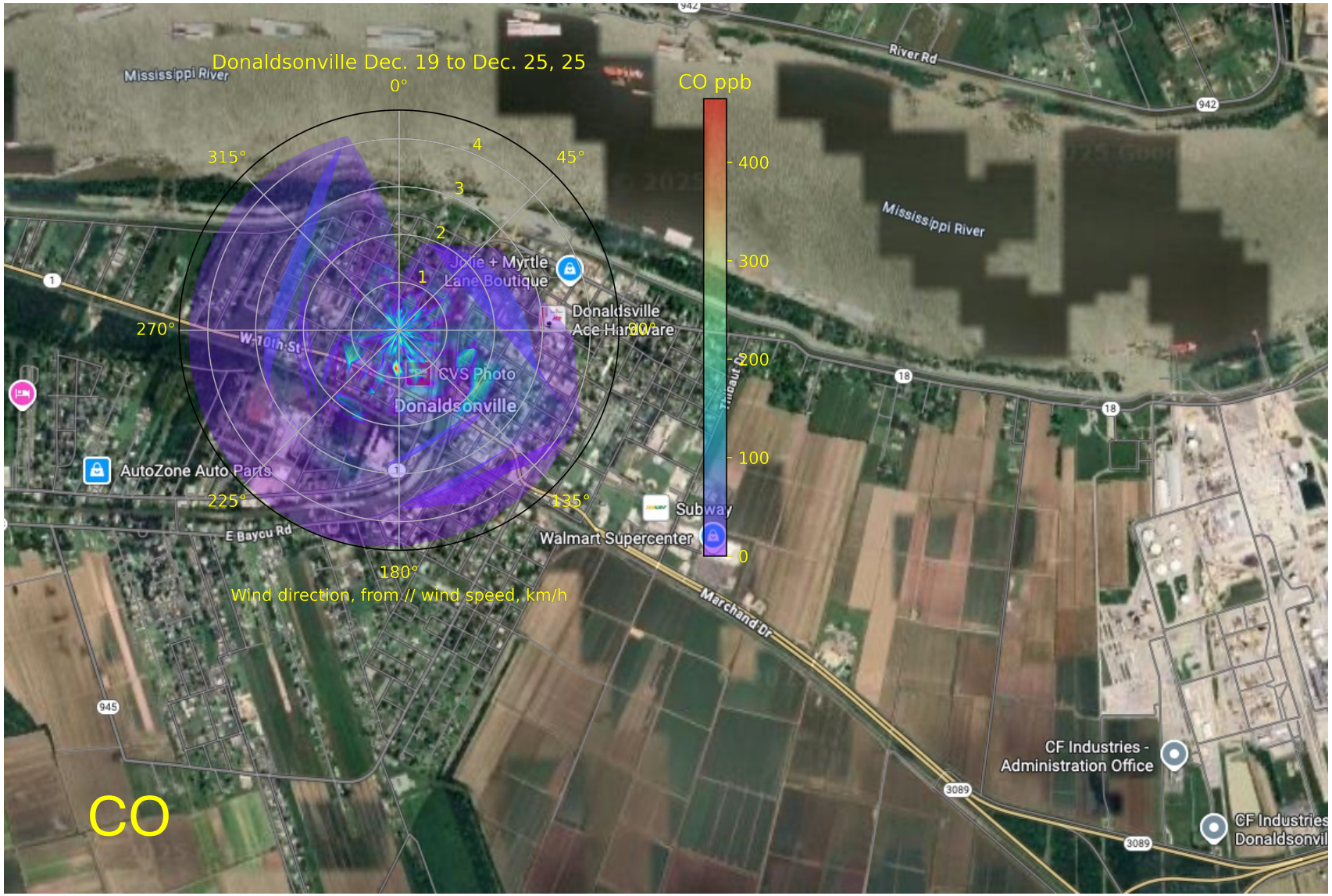
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	0.9	0.2	-0.8	1.7	-2.4	49.1	672
PM1 8 to 11	1.2	1.0	-1.9	2.8	-2.3	10.4	84
PM1 11 to 16	0.9	-0.4	-1.2	1.3	-2.2	49.1	140
PM1 16 to 19	2.0	0.1	-1.1	3.4	-1.7	21.6	84
PM1 19 to 4	0.9	0.4	-0.4	1.8	-2.4	12.9	252

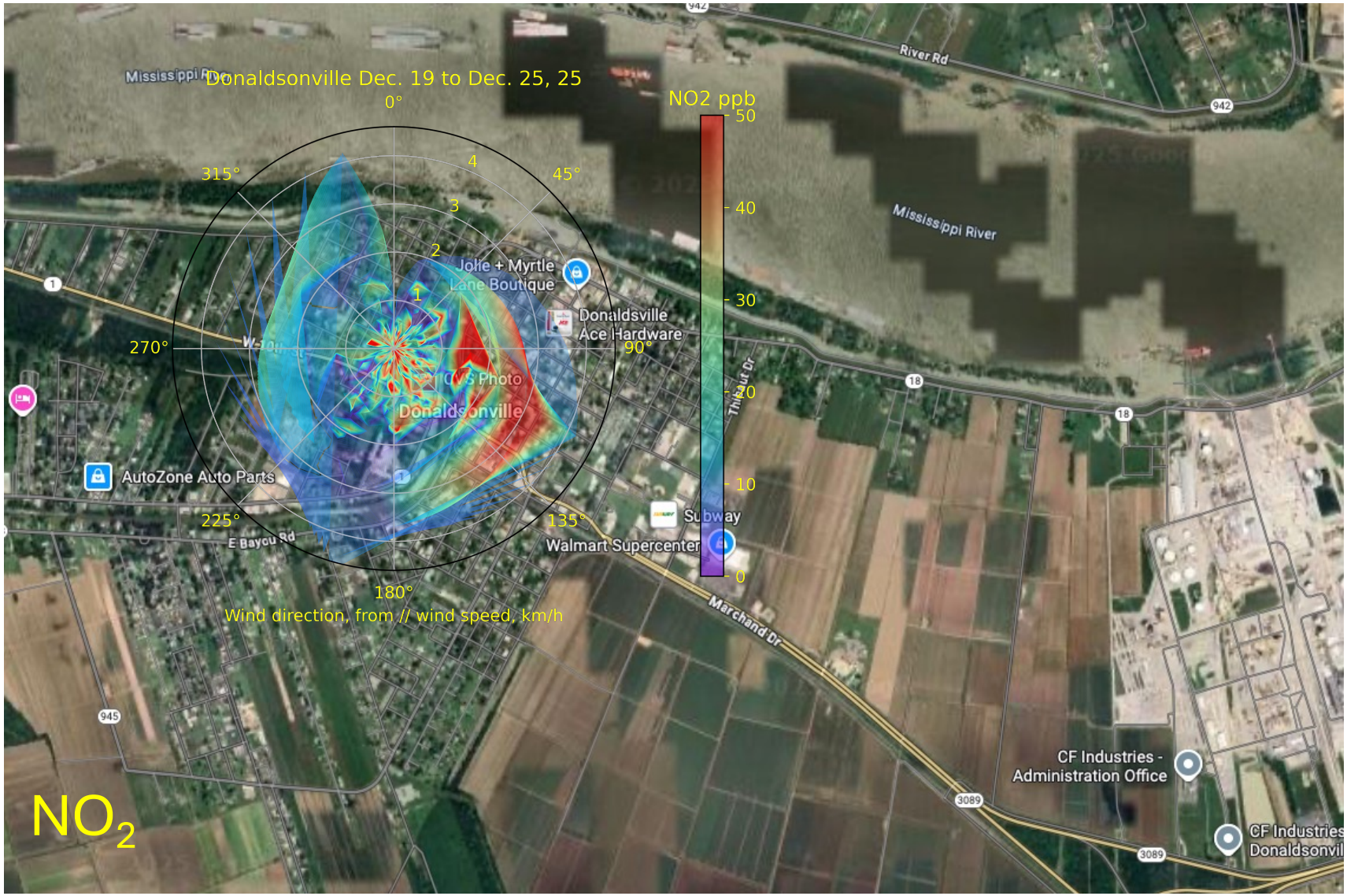
PM10 hourly distribution

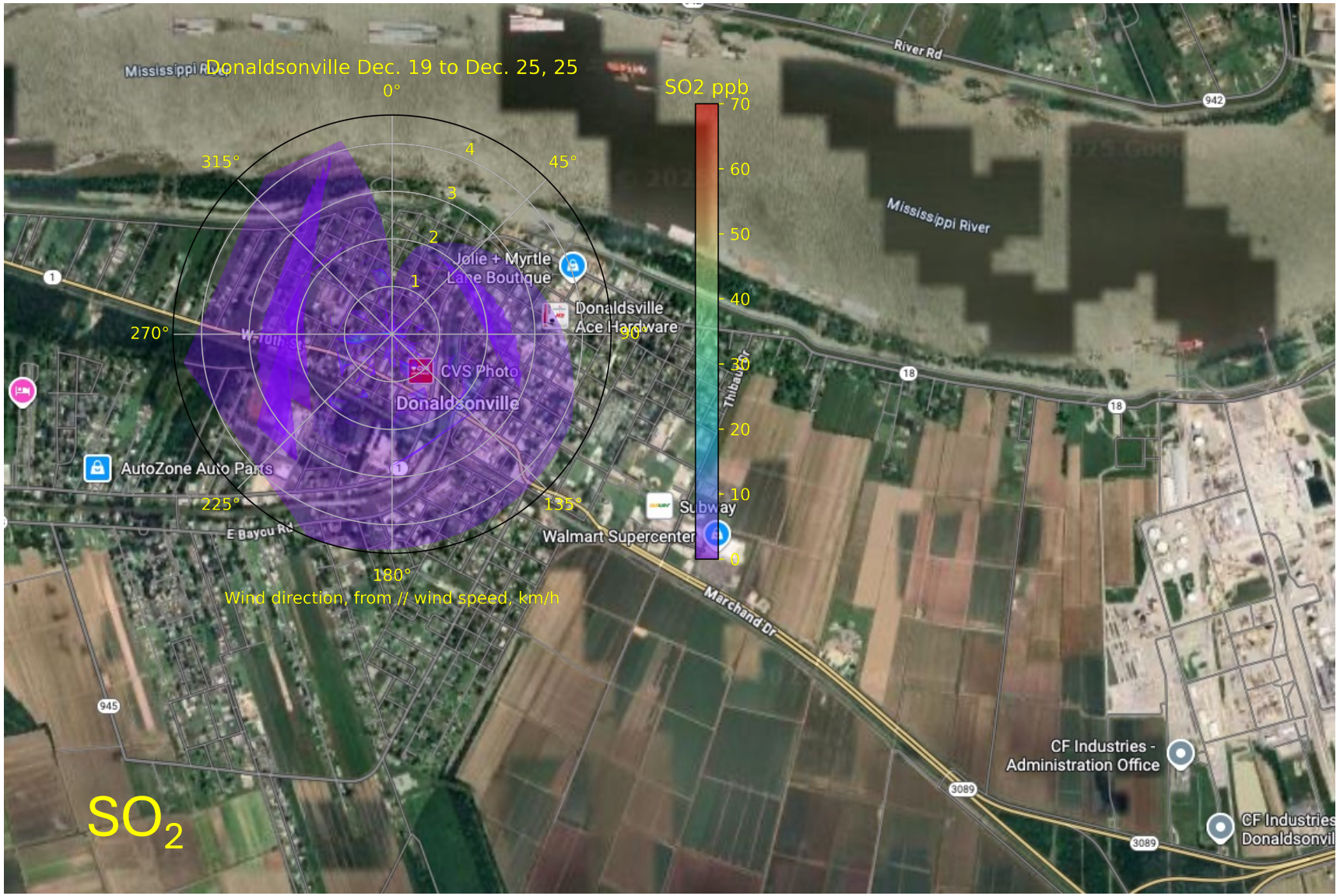


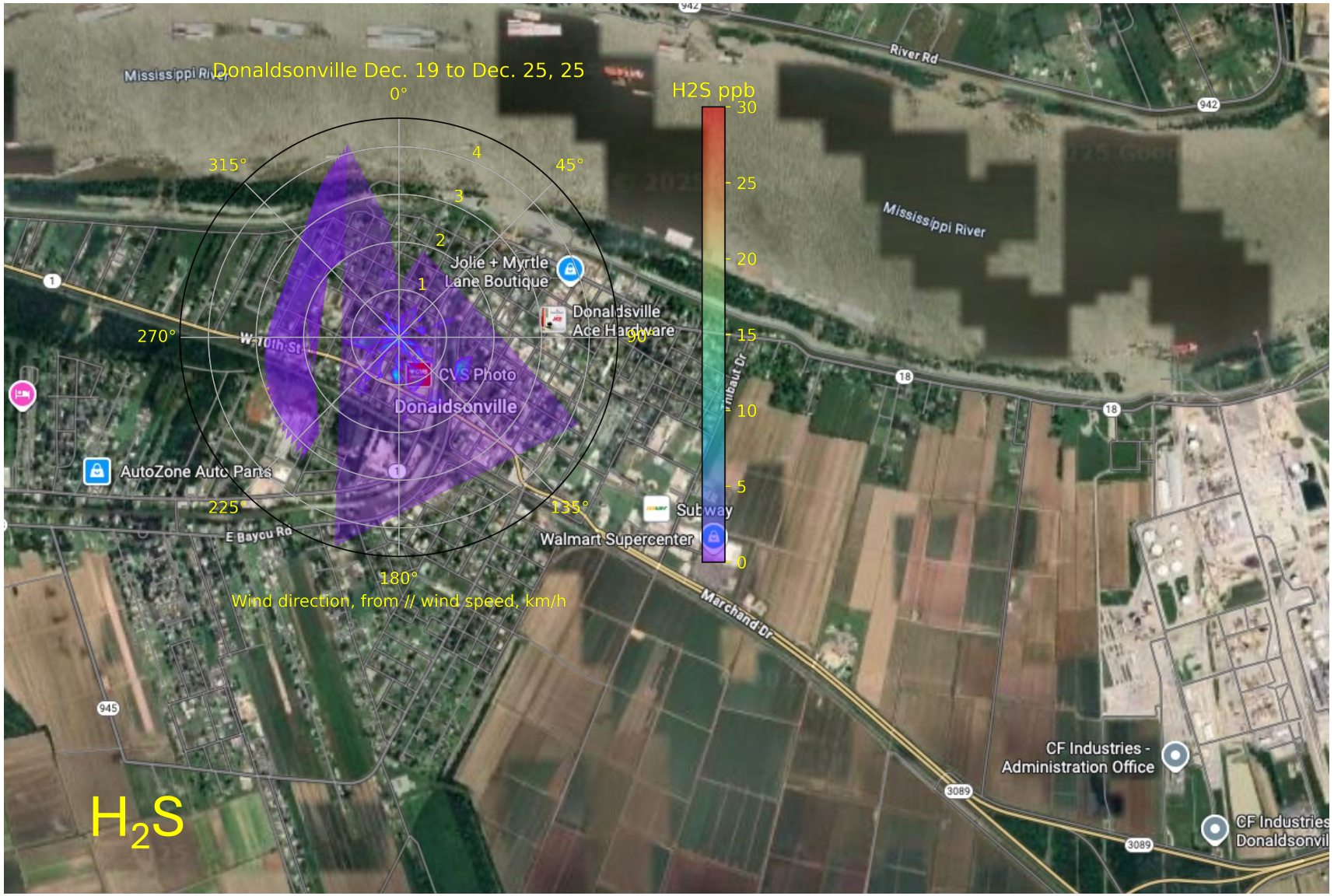
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	12.1	9.9	8.2	13.8	4.0	137.9	672
PM10 8 to 11	12.6	10.3	6.9	15.2	4.5	39.3	84
PM10 11 to 16	12.5	9.5	7.6	12.2	5.0	137.9	140
PM10 16 to 19	15.1	10.6	8.1	16.4	6.5	65.6	84
PM10 19 to 4	11.8	10.4	8.8	14.0	4.0	40.4	252

PM_1 data is not referenced and calibrated against regulatory monitor

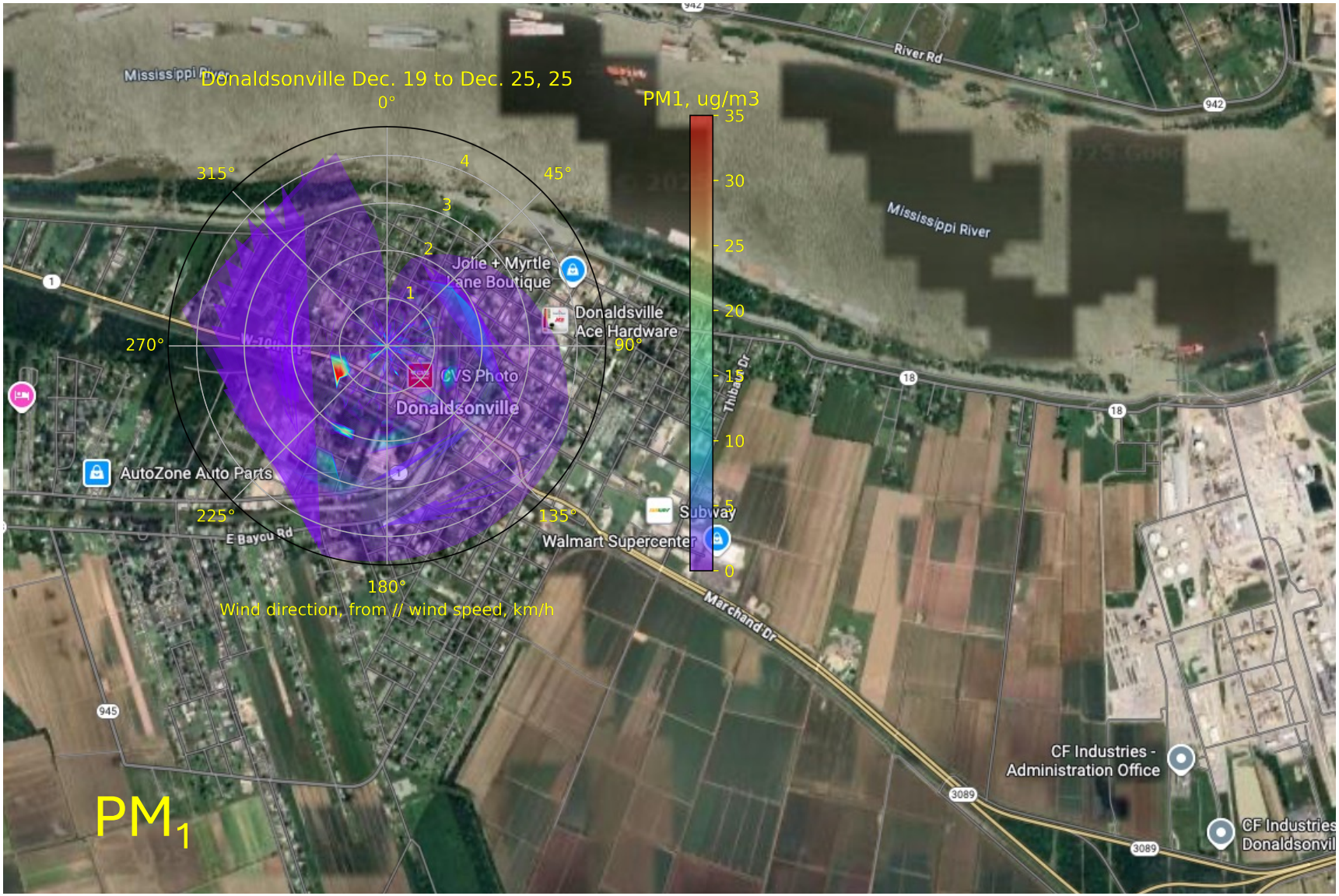

Donaldsonville Dec. 19 to Dec. 25, 25
CO ppb
400
300
200
100
0
0°
45°
135°
180°
225°
270°
315°
1
2
3
4
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
W 10th St
AutoZone Auto Parts
E Baycu Rd
Subway
Walmart Supercenter
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
3089
945
18
CO

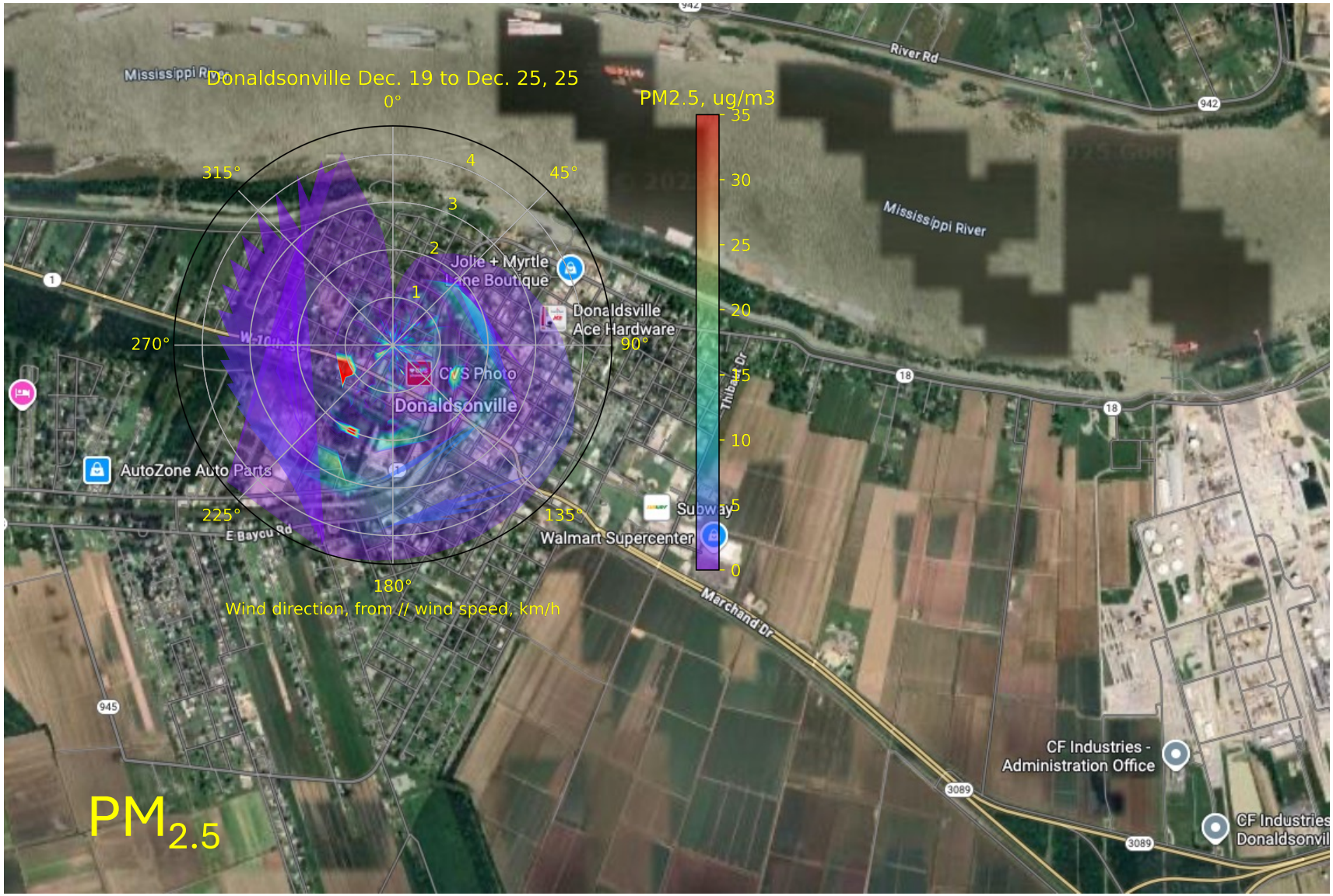

Donaldsonville Dec. 19 to Dec. 25, 25
NO2 ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
4
3
2
1
Wind direction, from // wind speed, km/h
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
E Bayou Rd
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
942
18
945
3089
NO2

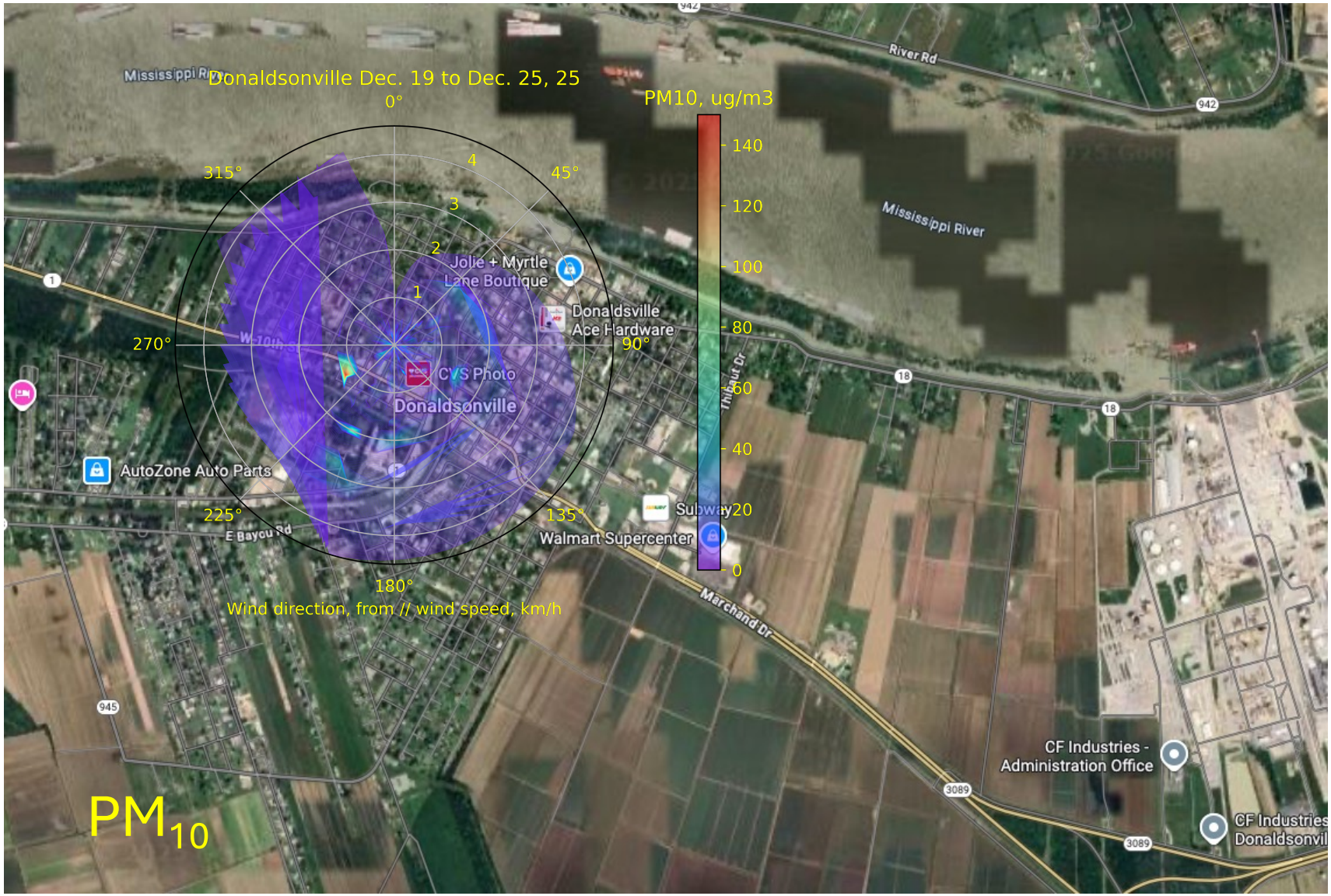

Donaldsonville Dec. 19 to Dec. 25, 25
SO2 ppb
70
60
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
945
3089
18
SO2


Donaldsonville Dec. 19 to Dec. 25, 25
H2S ppb
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
E Baycu Rd
Marchand Dr
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
H2S


Donaldsonville Dec. 19 to Dec. 25, 25
TVOC ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
Wind direction, from // wind speed, km/h
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
W 10th St
E Bayou Rd
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
942
18
945
3089
TVOC


Donaldsonville Dec. 19 to Dec. 25, 25
PM1, ug/m3
35
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
E Bayou Rd
Marchand Dr
Thibaut Dr
18
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
PM1


Donaldsonville Dec. 19 to Dec. 25, 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
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
E Bayou Rd
Marchand Dr
Thibaut Dr
18
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
PM2.5


Donaldsonville Dec. 19 to Dec. 25, 25
PM10, ug/m3
140
120
100
80
60
40
20
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
Wind direction, from // wind speed, km/h
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
E Bayou Rd
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
PM10

Donaldsonville POD 12/19-12/25

- TVOCs from 3 directions: East-South-East, a more distante source associated with stronger winds and from South direction
- South-West winds bring a combination of TVOCs and $PM_{2.5}$