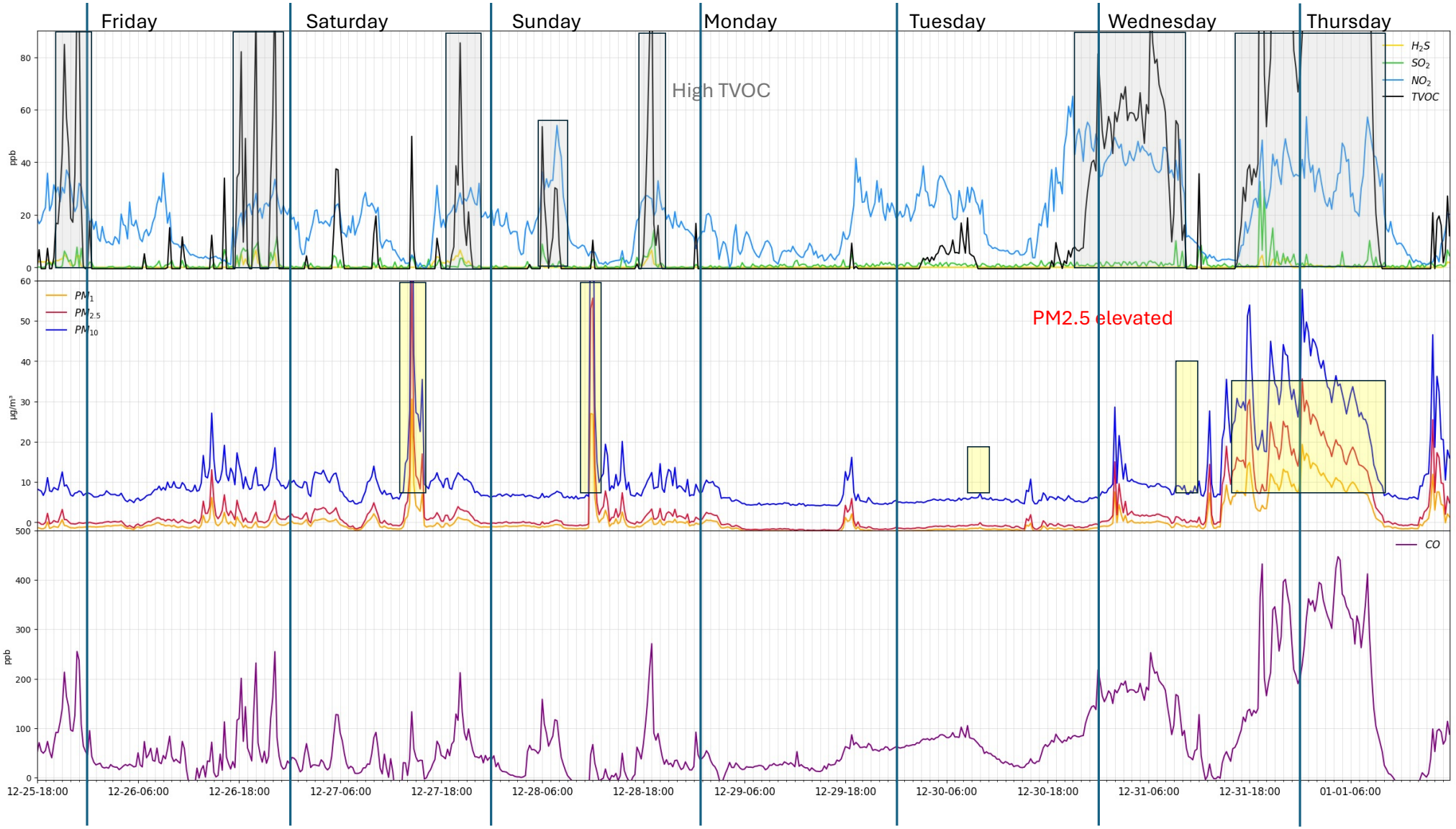
Donaldsonville POD

December 26, 2025 – January 1, 2026

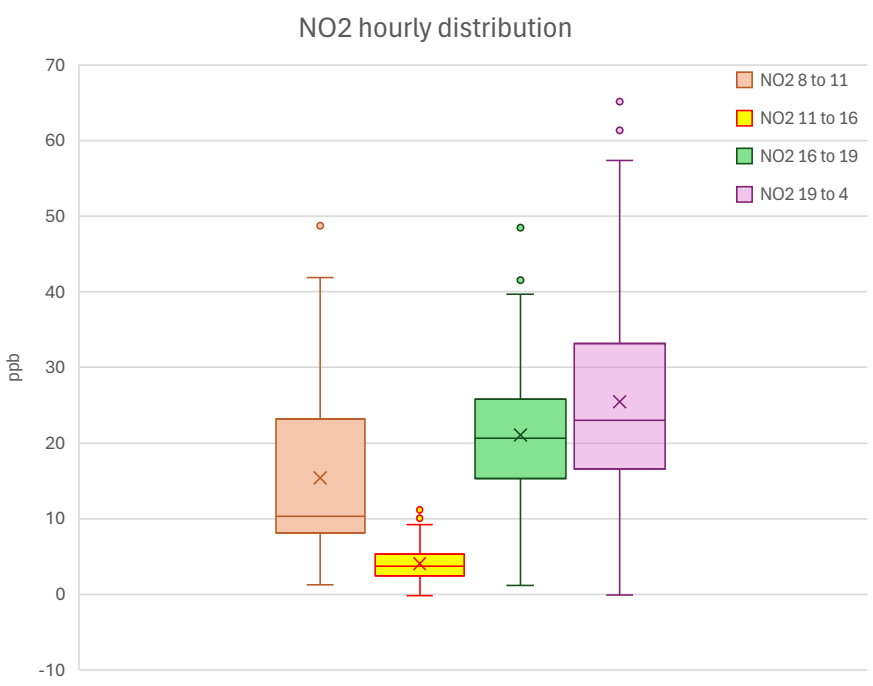
Disclaimer

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.

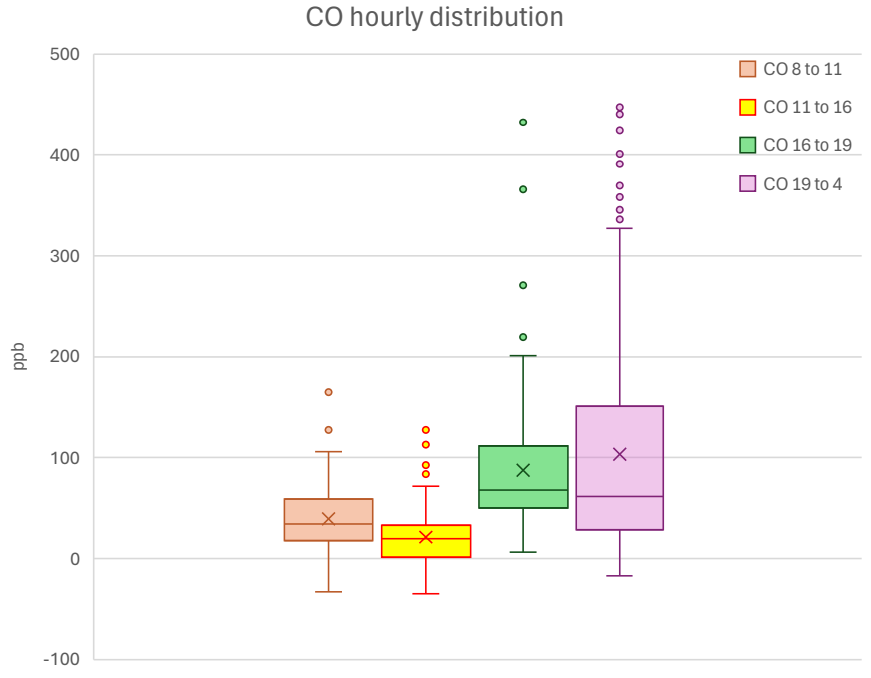
At the same time, most of the sensors are subject to QA/QC procedures and are calibrated and evaluated against official regulatory monitors.


Friday
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
High TVOC
PM2.5 elevated
H_2S
SO_2
NO_2
TVOC
PM_1
$PM_{2.5}$
PM_{10}
CO
ppb
µg/m³
12-25-18:00
12-26-06:00
12-26-18:00
12-27-06:00
12-27-18:00
12-28-06:00
12-28-18:00
12-29-06:00
12-29-18:00
12-30-06:00
12-30-18:00
12-31-06:00
12-31-18:00
01-01-06:00

Hourly concentration distribution



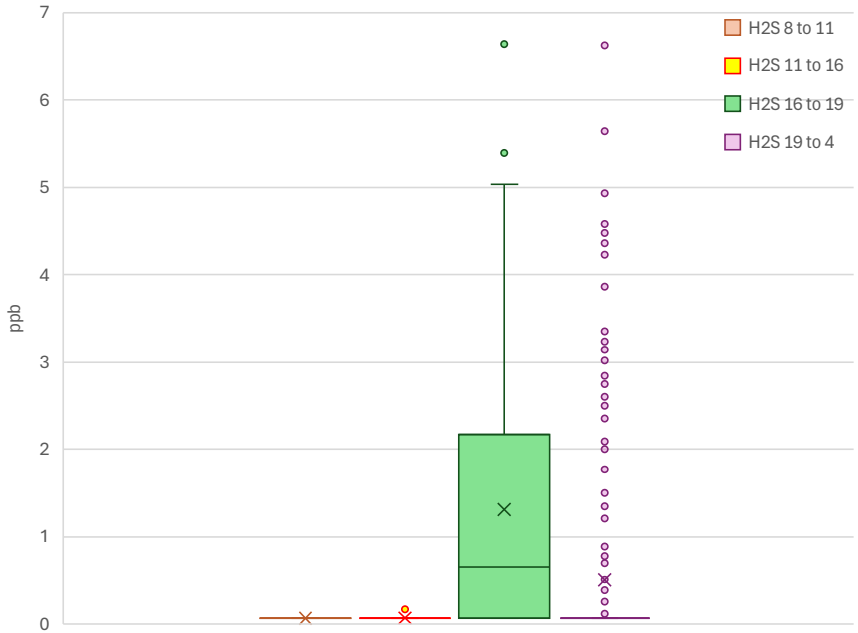
ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	19.3	17.8	7.3	27.3	-0.2	65.1	672
NO2 8 to 11	15.4	10.3	8.1	23.2	1.3	48.7	84
NO2 11 to 16	4.1	3.7	2.4	5.3	-0.2	11.2	140
NO2 16 to 19	21.1	20.6	15.3	25.8	1.2	48.5	84
NO2 19 to 4	25.4	23.0	16.5	33.4	-0.1	65.1	252



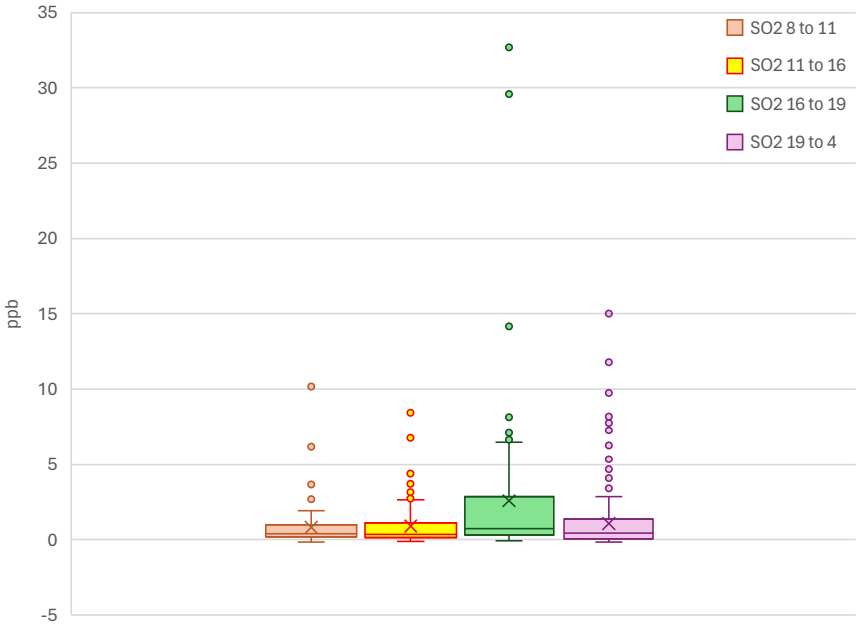
ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	76.9	47.3	22.5	89.0	-34.9	446.9	672
CO 8 to 11	39.3	34.4	17.6	59.0	-33.1	168.2	84
CO 11 to 16	21.1	19.9	1.3	32.8	-34.9	133.4	140
CO 16 to 19	87.6	67.9	49.8	111.3	6.5	432.1	84
CO 19 to 4	103.2	61.5	27.9	152.6	-17.1	446.9	252

Hourly concentration distribution

H2S hourly distribution



SO2 hourly distribution



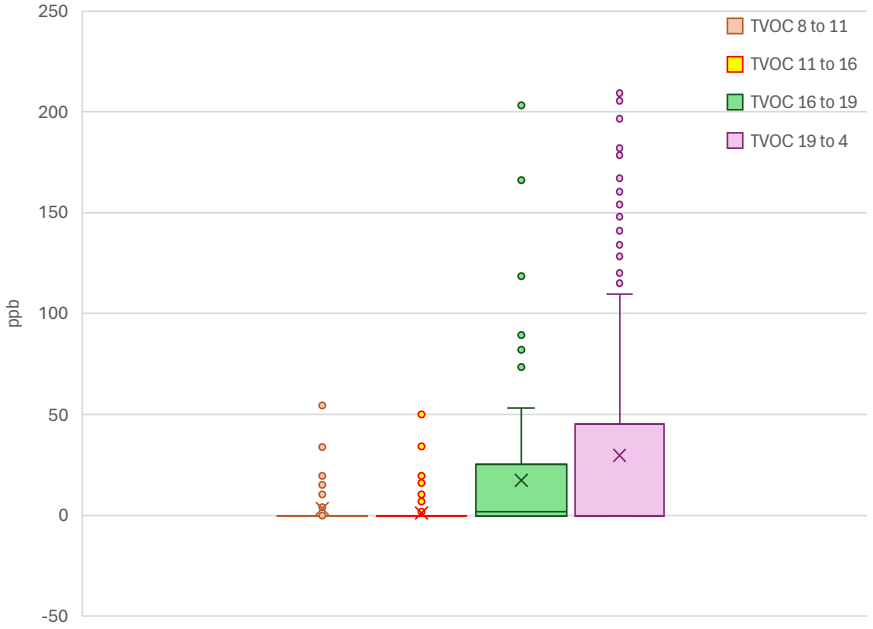
ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.4	0.1	0.1	0.1	0.1	6.7	672
H2S 8 to 11	0.1	0.1	0.1	0.1	0.1	0.1	84
H2S 11 to 16	0.1	0.1	0.1	0.1	0.1	0.2	140
H2S 16 to 19	1.3	0.7	0.1	2.2	0.1	6.6	84
H2S 19 to 4	0.5	0.1	0.1	0.1	0.1	6.7	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	1.2	0.5	0.2	1.3	-0.2	32.7	672
SO2 8 to 11	0.8	0.4	0.2	1.0	-0.1	10.2	84
SO2 11 to 16	0.9	0.4	0.1	1.1	-0.1	8.4	140
SO2 16 to 19	2.6	0.8	0.3	2.8	-0.1	32.7	84
SO2 19 to 4	1.1	0.4	0.1	1.4	-0.2	15.0	252

H_2S data is not referenced and calibrated against regulatory monitor

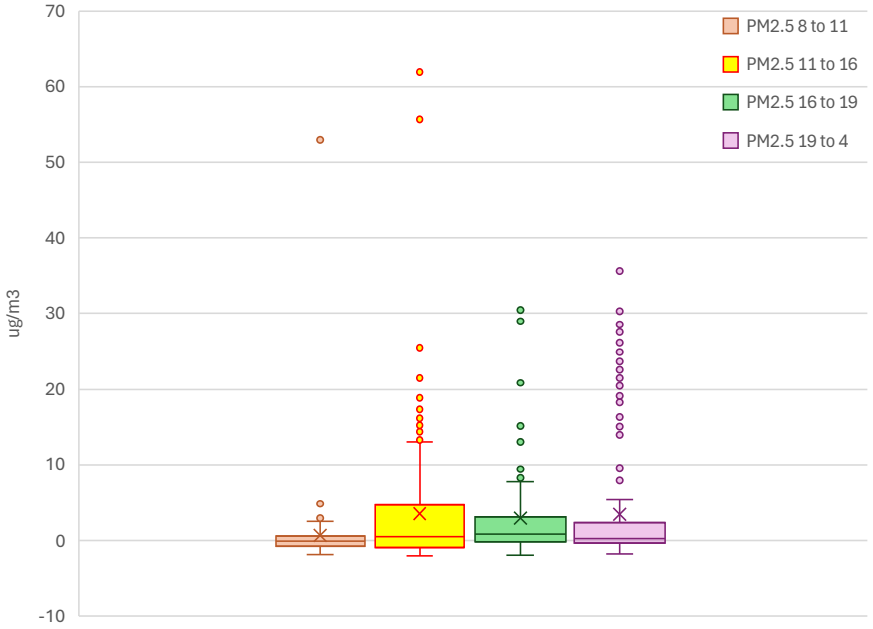
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	19.2	-0.5	-0.5	14.1	-0.5	209.3	672
TVOC 8 to 11	3.2	-0.5	-0.5	-0.5	-0.5	55.9	84
TVOC 11 to 16	1.2	-0.5	-0.5	-0.5	-0.5	49.9	140
TVOC 16 to 19	17.4	1.8	-0.5	25.2	-0.5	203.2	84
TVOC 19 to 4	29.8	-0.5	-0.5	45.4	-0.5	209.3	252

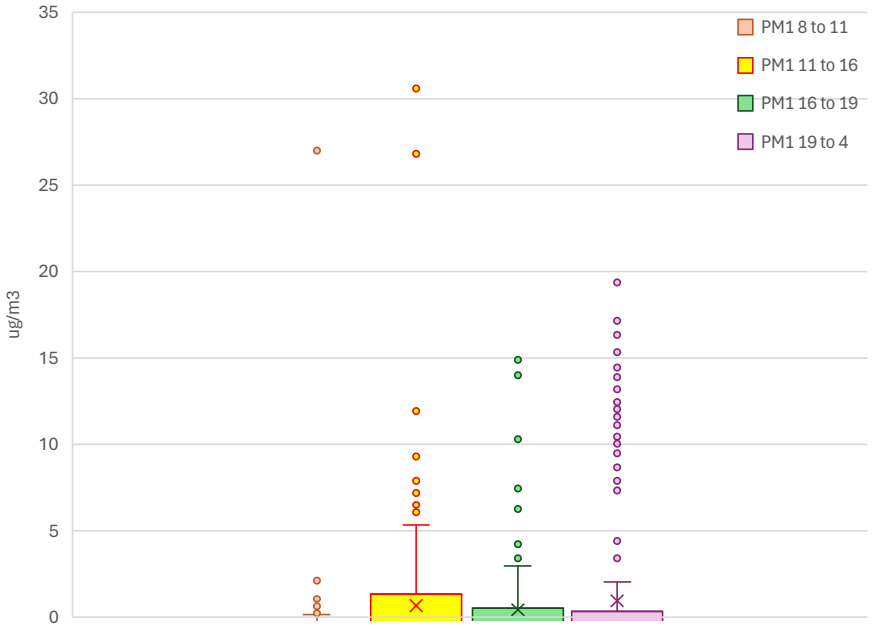
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	2.8	0.2	-0.8	2.2	-2.1	61.9	672
PM2.5 8 to 11	0.6	-0.1	-0.8	0.6	-1.9	52.9	84
PM2.5 11 to 16	3.6	0.5	-0.9	4.7	-2.1	61.9	140
PM2.5 16 to 19	3.0	0.8	-0.2	3.1	-2.0	30.5	84
PM2.5 19 to 4	3.5	0.2	-0.4	2.4	-1.8	35.6	252

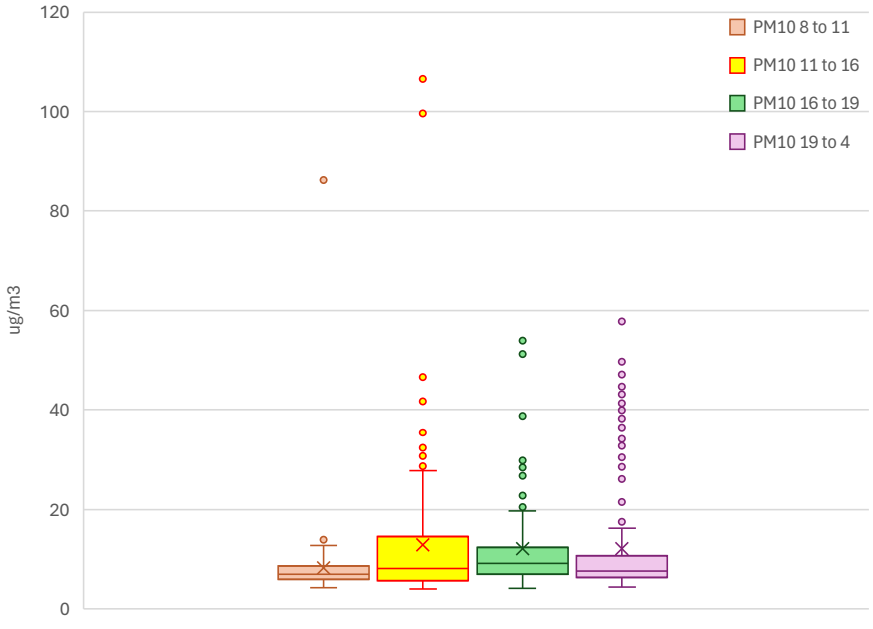
Hourly concentration distribution

PM1 hourly distribution



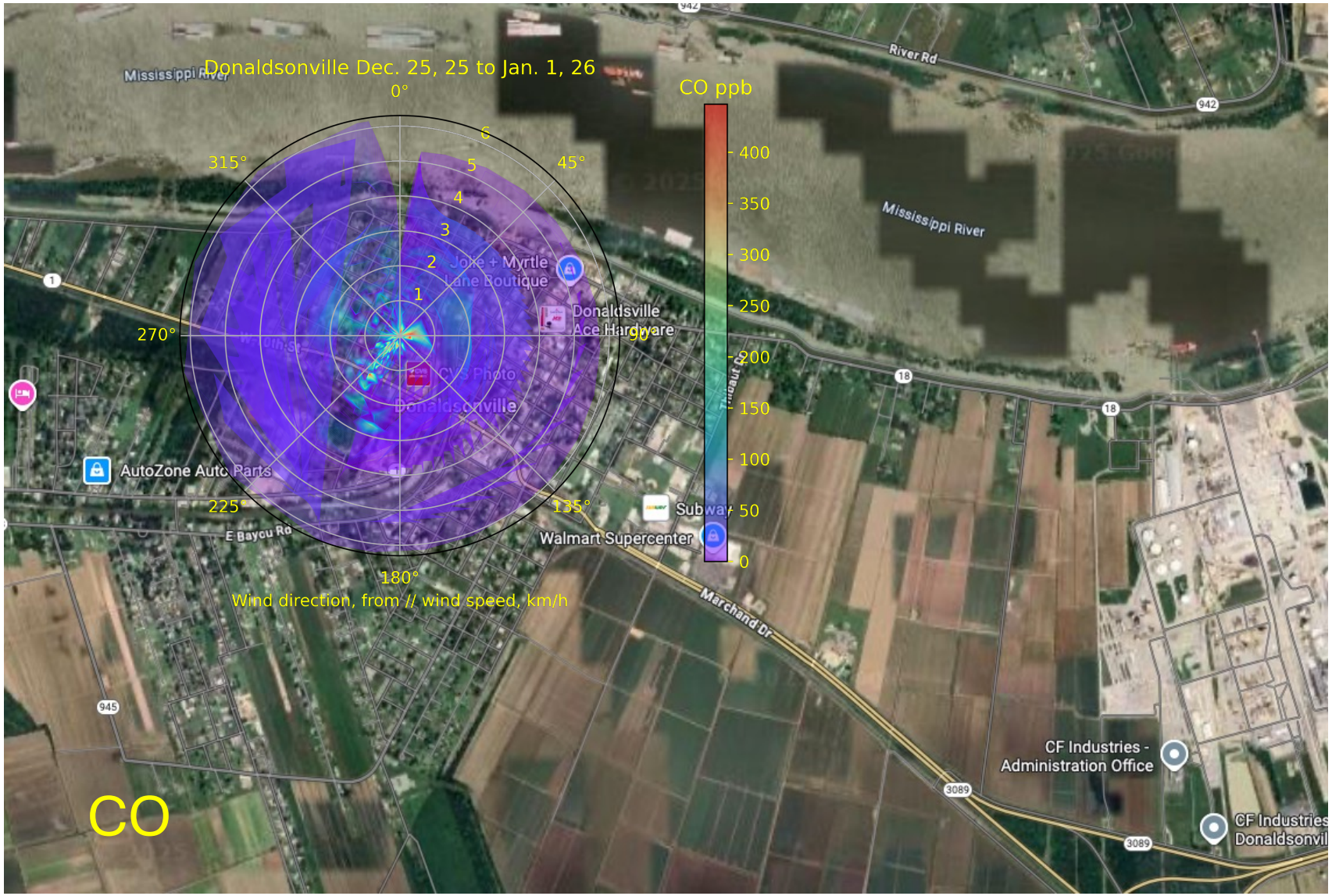
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	0.5	-1.0	-1.6	0.2	-2.4	30.6	672
PM1 8 to 11	-0.8	-1.3	-1.6	-0.9	-2.2	27.0	84
PM1 11 to 16	0.7	-1.0	-1.7	1.3	-2.4	30.6	140
PM1 16 to 19	0.4	-0.7	-1.3	0.5	-2.3	14.9	84
PM1 19 to 4	0.9	-0.8	-1.3	0.3	-2.2	19.4	252

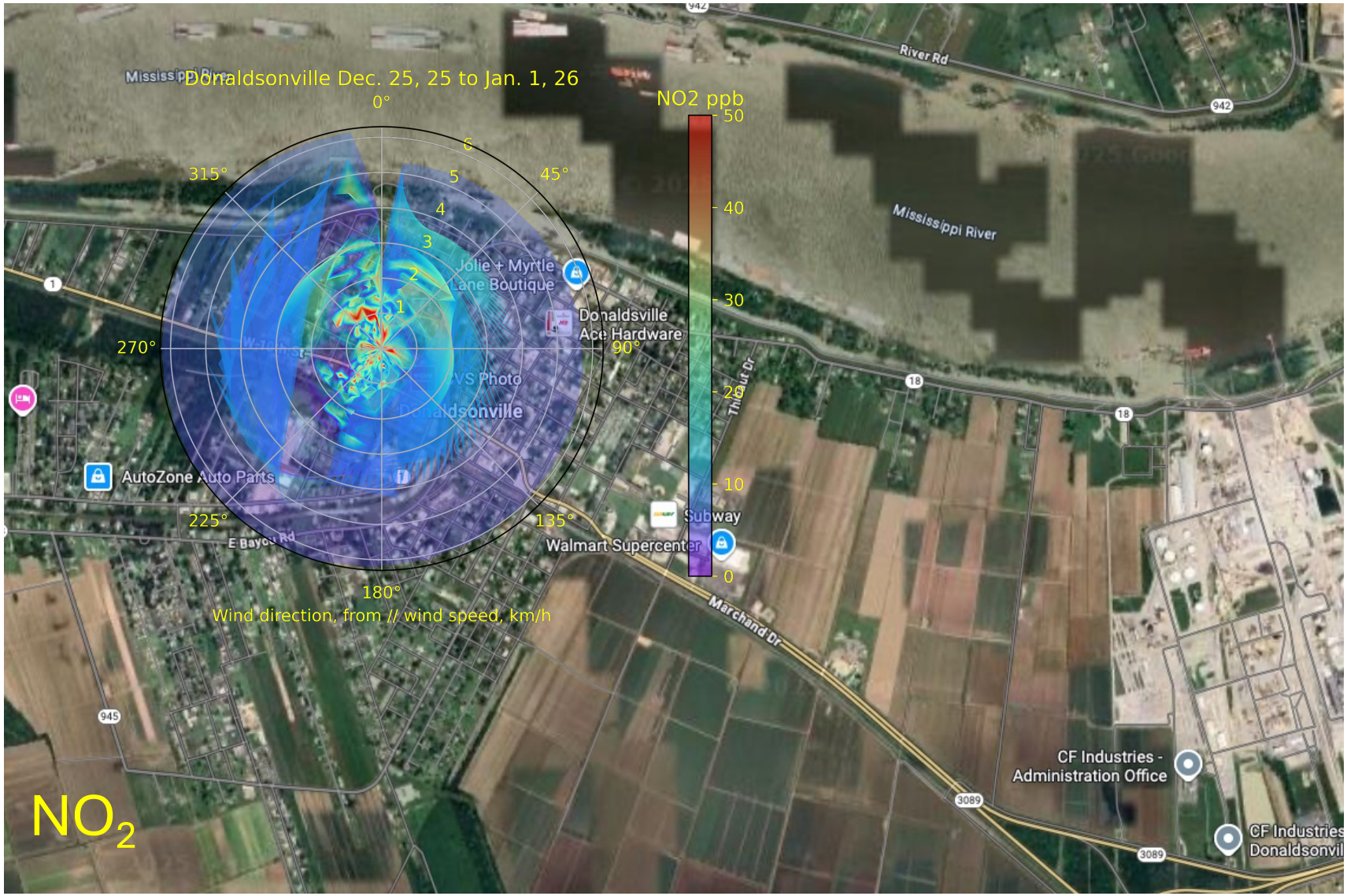
PM10 hourly distribution

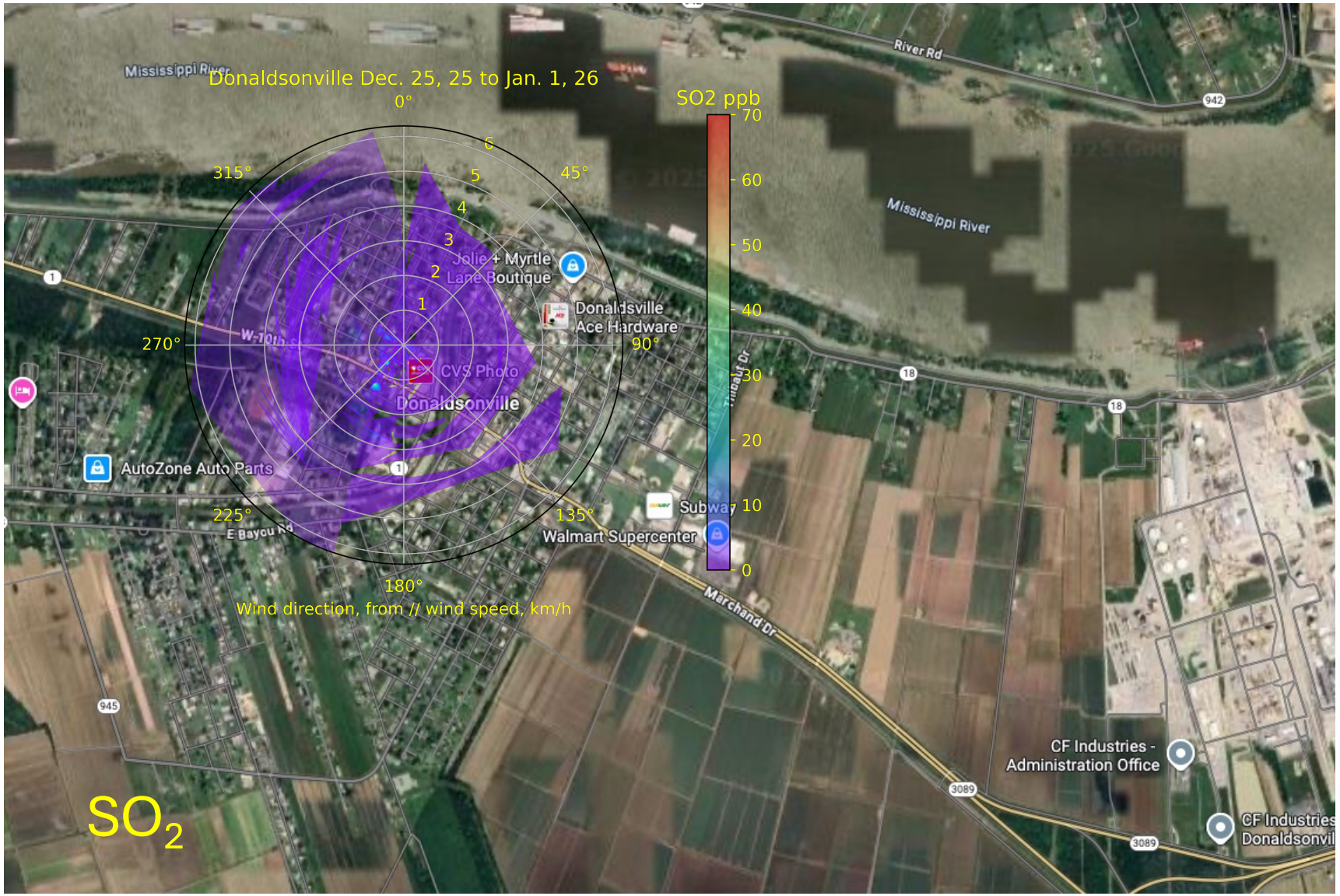


ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	11.4	7.6	5.9	10.7	4.0	106.6	672
PM10 8 to 11	8.2	7.0	6.0	8.7	4.2	86.2	84
PM10 11 to 16	12.9	8.1	5.7	14.6	4.0	106.6	140
PM10 16 to 19	12.1	9.2	6.9	12.4	4.1	53.9	84
PM10 19 to 4	12.1	7.6	6.3	10.7	4.5	57.9	252

PM_1 data is not referenced and calibrated against regulatory monitor

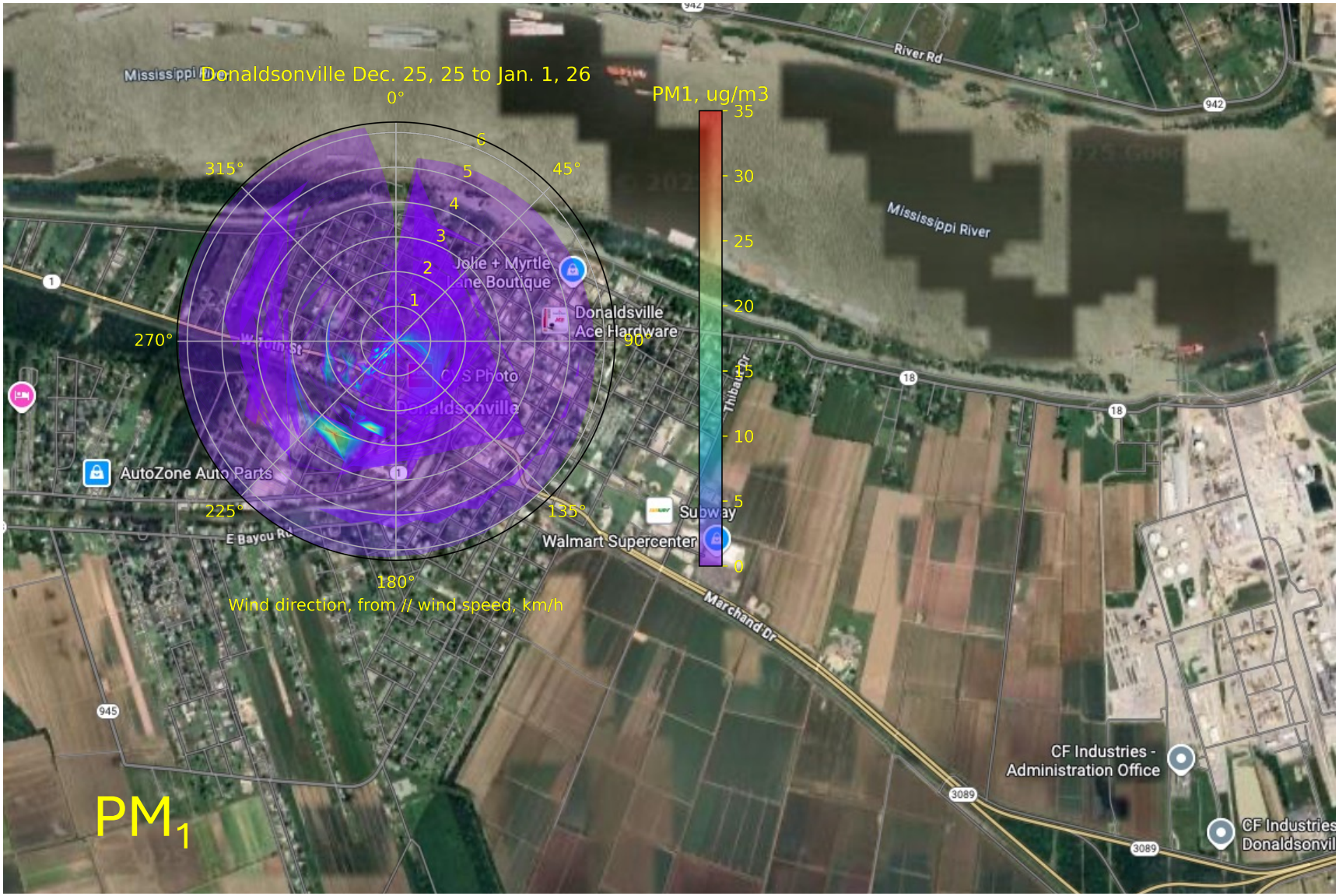

Donaldsonville Dec. 25, 25 to Jan. 1, 26
CO ppb
400
350
300
250
200
150
100
50
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Joie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Baycu Rd
Walmart Supercenter
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
18
1
945
3089
CO

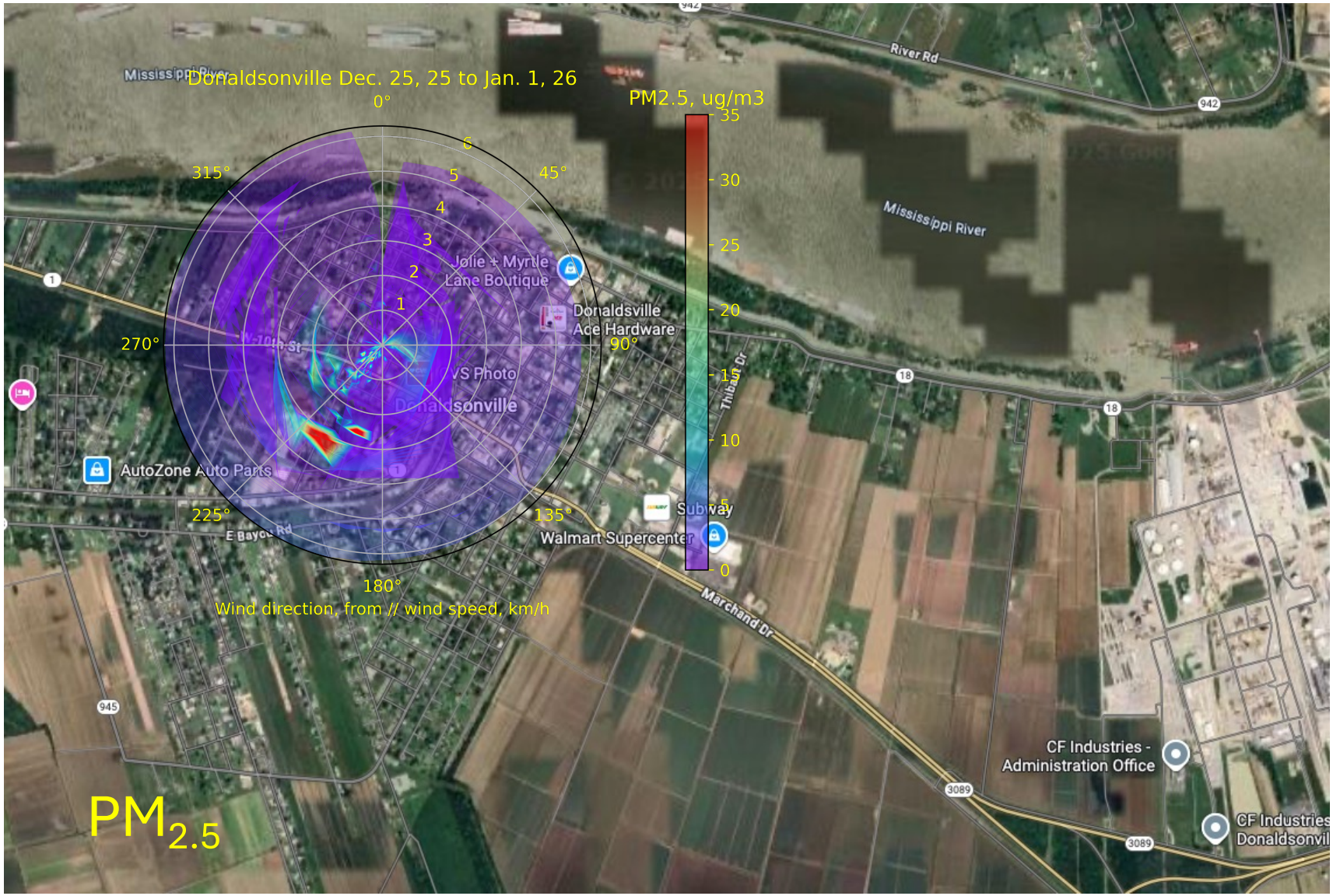

Donaldsonville Dec. 25, 25 to Jan. 1, 26
NO2 ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, km/h
NO_2
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
AutoZone Auto Parts
Subway
Walmart Supercenter
Marchand Dr
E Bayou Rd
CF Industries - Administration Office
942
18
945
3089


Donaldsonville Dec. 25, 25 to Jan. 1, 26
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, 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
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
SO2


Donaldsonville Dec. 25, 25 to Jan. 1, 26
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, 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
Thibaut Dr
Marchand Dr
18
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
H2S


Donaldsonville Dec. 25, 25 to Jan. 1, 26
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, km/h
Mississippi River
River Rd
942
W 10th St
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Bayou Rd
Subway
Walmart Supercenter
Marchand Dr
18
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
TVOC


Donaldsonville Dec. 25, 25 to Jan. 1, 26
PM1, ug/m3
35
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
6
5
4
3
2
1
Wind direction, from // wind speed, km/h
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
AutoZone Auto Parts
Subway
Walmart Supercenter
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
E Bayou Rd
Thibaut Dr
942
18
945
3089
PM1


Donaldsonville Dec. 25, 25 to Jan. 1, 26
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, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
VS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
Marchand Dr
Thibaut Dr
E Bayou Rd
945
18
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
PM2.5


Donaldsonville Dec. 25, 25 to Jan. 1, 26
PM10, ug/m3
140
120
100
80
60
40
20
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
AutoZone Auto Parts
Subway
Walmart Supercenter
Marchand Dr
CF Industries - Administration Office
3089
945
18
1
PM10

Donaldsonville POD 12/26-1/1

- TVOCs from 2 directions: South-West, and North East
- South-West winds bring a combination of TVOCs and $PM_{2.5}$
- It is likely that this pollutants are associated with seasonal celebrations