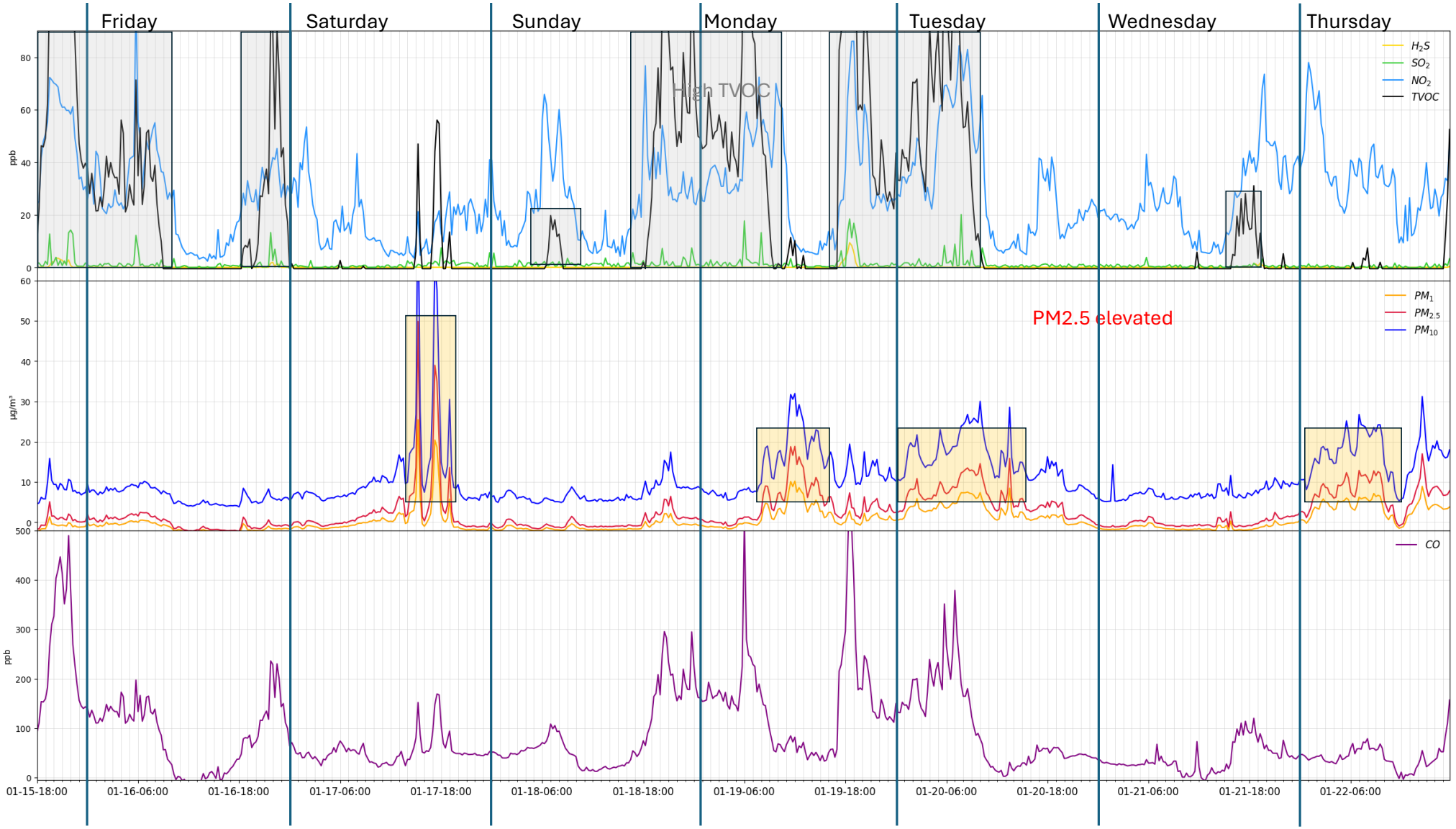
# Donaldsonville POD

Jan 16 – January 22, 2026

*Disclaimer*

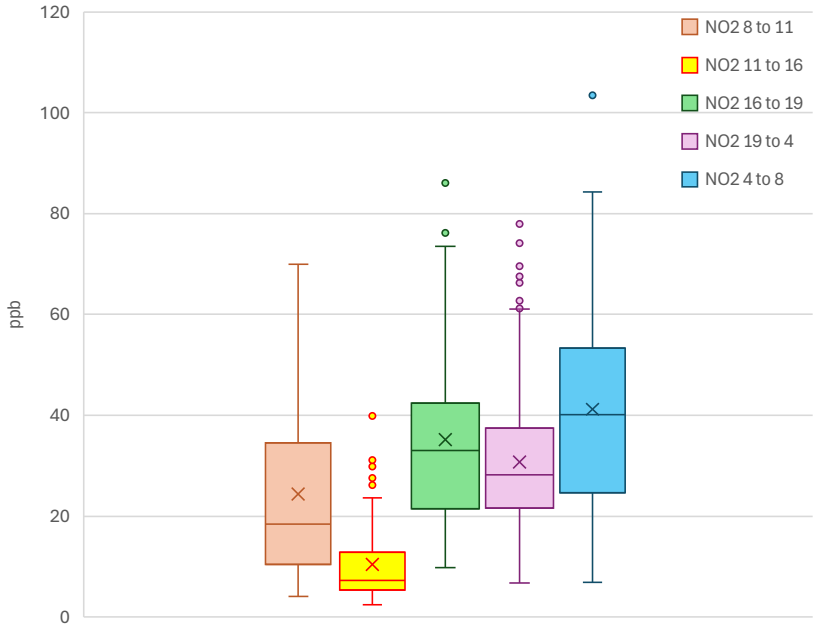
*The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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

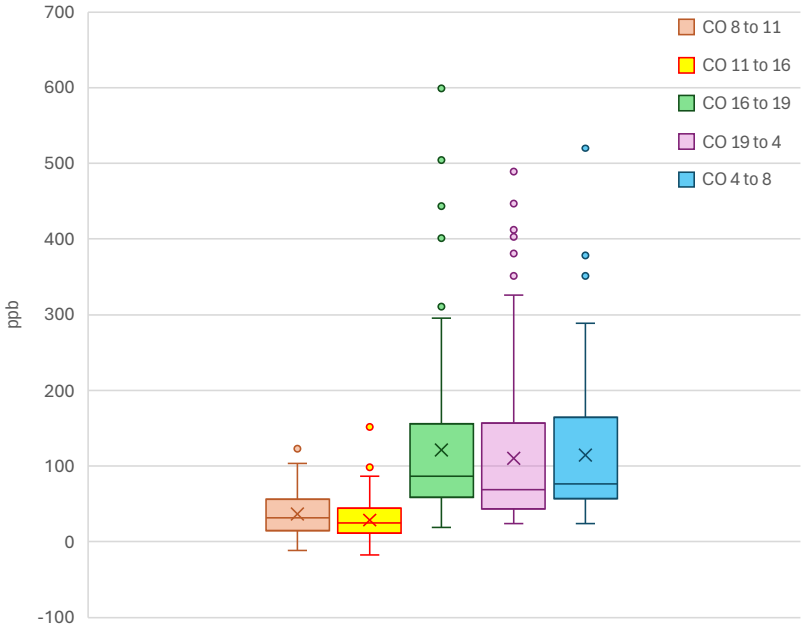

Friday
Saturday
Sunday
Monday
Tuesday
Wednesday
Thursday
High TVOC
PM2.5 elevated
$H_2S$
$SO_2$
$NO_2$
TVOC
$PM_1$
$PM_{2.5}$
$PM_{10}$
CO
ppb
µg/m³
01-15-18:00
01-16-06:00
01-16-18:00
01-17-06:00
01-17-18:00
01-18-06:00
01-18-18:00
01-19-06:00
01-19-18:00
01-20-06:00
01-20-18:00
01-21-06:00
01-21-18:00
01-22-06:00

# Hourly concentration distribution

$NO_2$ hourly distribution



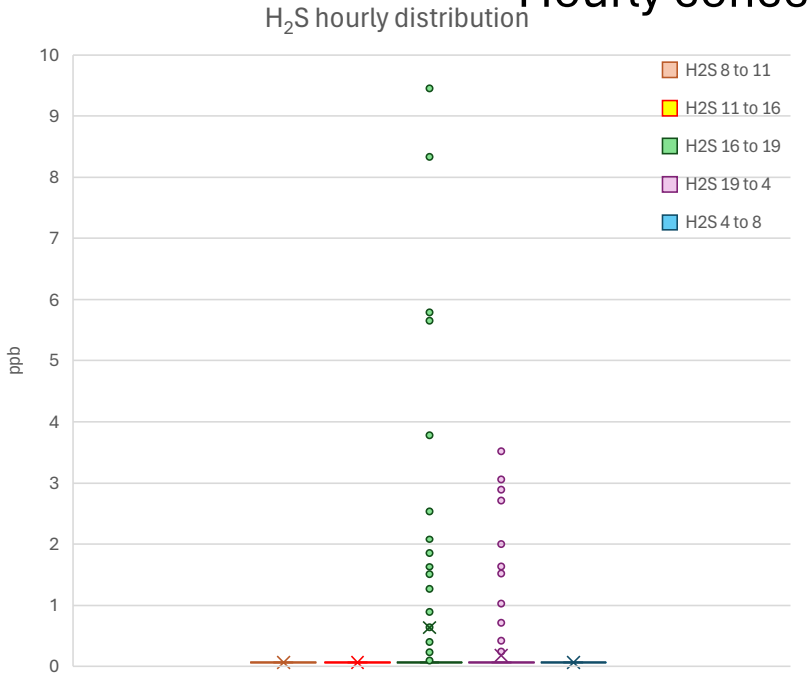

CO hourly distribution

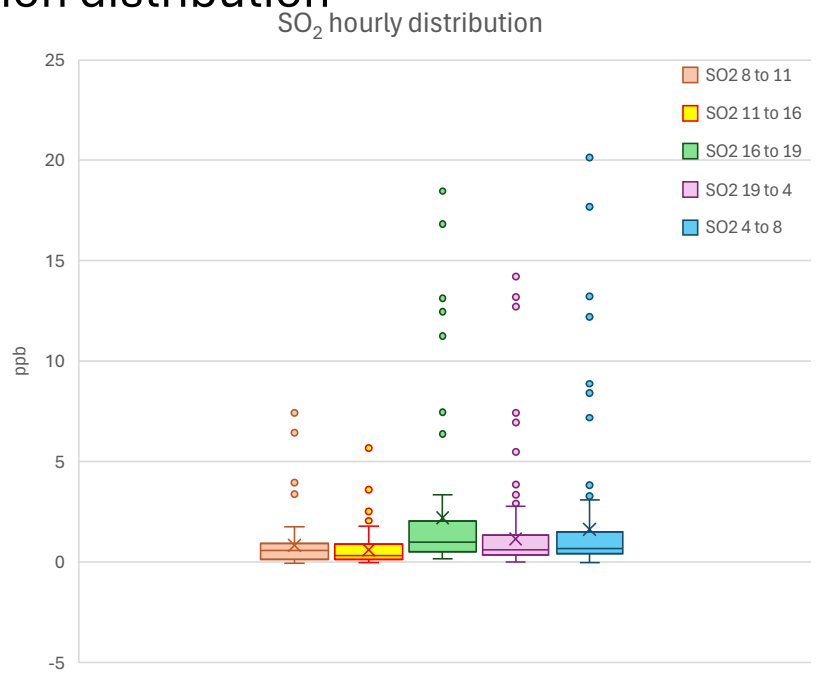



| ppb | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| $NO_2$ 4 to 8 | *41.2* | *40.1* | *24.6* | *53.4* | *6.9* | *103.5* | *112* |
| $NO_2$ 8 to 11 | *24.4* | *18.5* | *10.4* | *34.5* | *4.1* | *70.0* | *84* |
| $NO_2$ 11 to 16 | *10.4* | *7.3* | *5.4* | *12.9* | *2.4* | *39.9* | *140* |
| $NO_2$ 16 to 19 | *35.2* | *33.0* | *21.5* | *42.4* | *9.8* | *86.1* | *84* |
| $NO_2$ 19 to 4 | *30.7* | *28.2* | *21.6* | *37.4* | *6.7* | *78.0* | *252* |

| ppb | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| CO 4 to 8 | *114.2* | *76.5* | *56.7* | *164.6* | *24.1* | *520.0* | *112* |
| CO 8 to 11 | *36.9* | *32.1* | *14.8* | *56.1* | *-11.1* | *122.9* | *84* |
| CO 11 to 16 | *28.7* | *24.7* | *11.3* | *44.1* | *-17.7* | *152.1* | *140* |
| CO 16 to 19 | *121.6* | *86.2* | *58.4* | *156.3* | *18.7* | *598.9* | *84* |
| CO 19 to 4 | *110.3* | *68.6* | *43.6* | *157.0* | *24.0* | *489.5* | *252* |

# Hourly concentration distribution



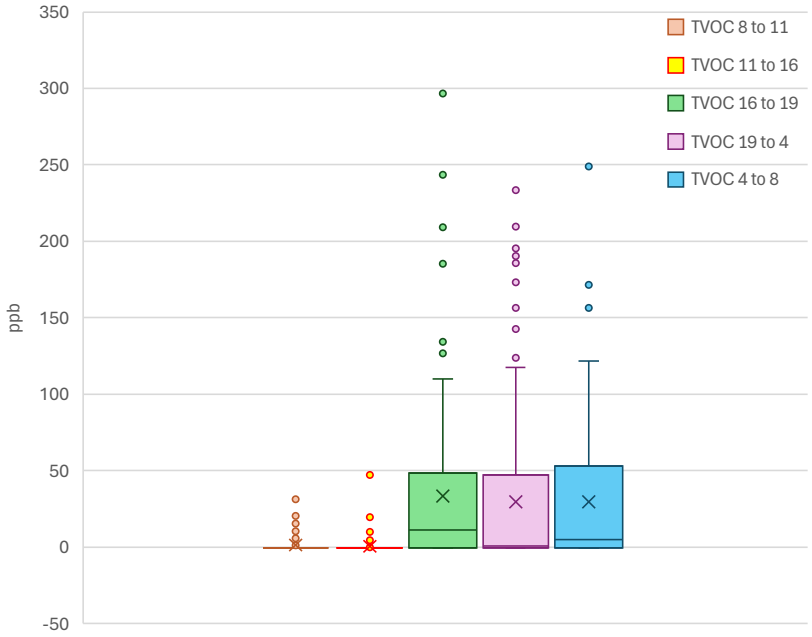

| ppb | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| $H_2S$ 4 to 8 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 112 |
| $H_2S$ 8 to 11 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 84 |
| $H_2S$ 11 to 16 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 140 |
| $H_2S$ 16 to 19 | 0.6 | 0.1 | 0.1 | 0.1 | 0.1 | 9.5 | 84 |
| $H_2S$ 19 to 4 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 3.6 | 252 |

| ppb | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| $SO_2$ 4 to 8 | 1.6 | 0.7 | 0.4 | 1.5 | 0.0 | 20.1 | 112 |
| $SO_2$ 8 to 11 | 0.8 | 0.6 | 0.1 | 0.9 | -0.1 | 7.4 | 84 |
| $SO_2$ 11 to 16 | 0.6 | 0.3 | 0.1 | 0.9 | 0.0 | 5.7 | 140 |
| $SO_2$ 16 to 19 | 2.2 | 1.0 | 0.5 | 2.1 | 0.2 | 18.5 | 84 |
| $SO_2$ 19 to 4 | 1.2 | 0.6 | 0.4 | 1.3 | 0.0 | 14.2 | 252 |

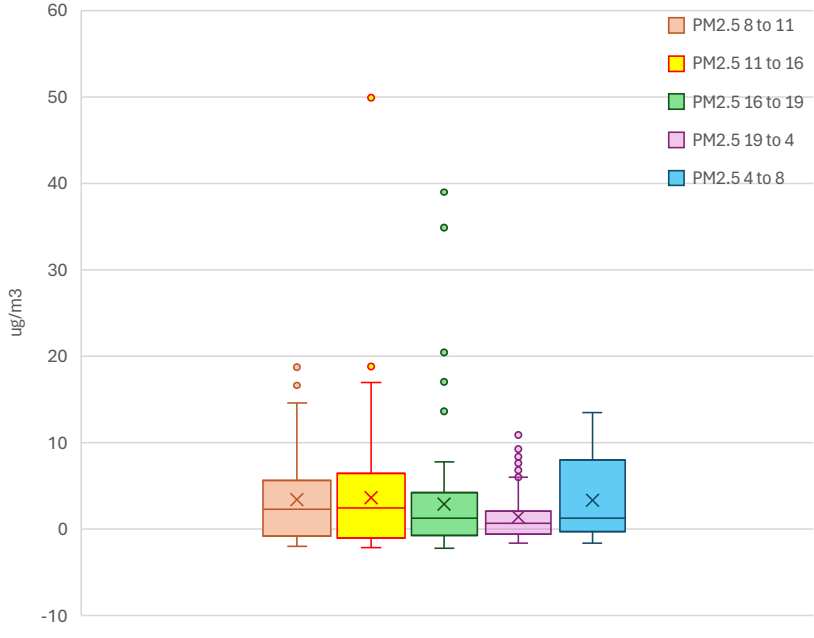
$H_2S$ data is not referenced and calibrated against regulatory monitor

# Hourly concentration distribution

TVOC hourly distribution




$PM_{2.5}$ hourly distribution

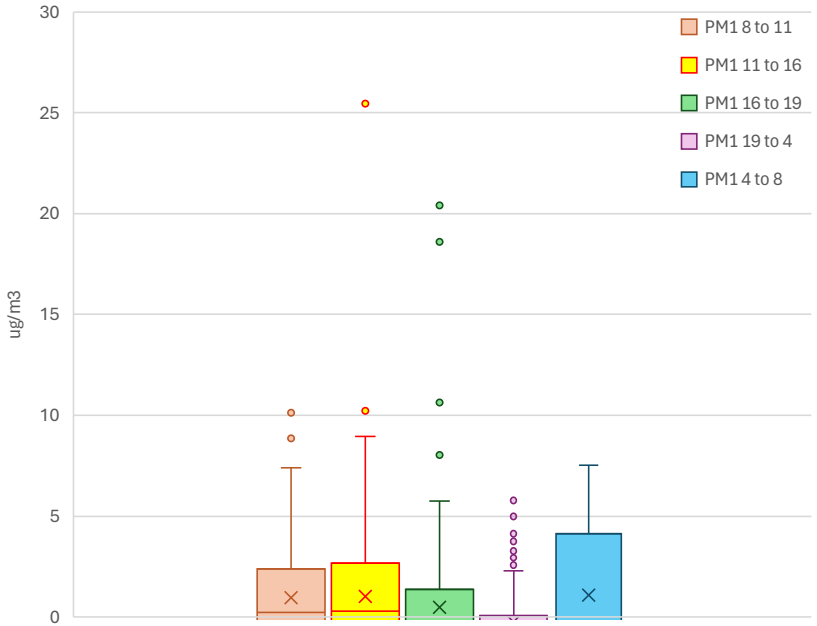



| ppb | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| TVOC 4 to 8 | 29.5 | 4.8 | -0.5 | 52.9 | -0.5 | 249.0 | 112 |
| TVOC 8 to 11 | 1.3 | -0.5 | -0.5 | -0.5 | -0.5 | 31.1 | 84 |
| TVOC 11 to 16 | 0.4 | -0.5 | -0.5 | -0.5 | -0.5 | 47.0 | 140 |
| TVOC 16 to 19 | 33.1 | 11.2 | -0.5 | 48.5 | -0.5 | 296.5 | 84 |
| TVOC 19 to 4 | 29.6 | 0.6 | -0.5 | 47.3 | -0.5 | 233.3 | 252 |

| $ug/m^3$ | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| $PM_{2.5}$ 4 to 8 | 3.4 | 1.3 | -0.3 | 8.0 | -1.6 | 13.5 | 112 |
| $PM_{2.5}$ 8 to 11 | 3.4 | 2.3 | -0.8 | 5.6 | -2.0 | 18.8 | 84 |
| $PM_{2.5}$ 11 to 16 | 3.7 | 2.5 | -1.0 | 6.5 | -2.1 | 49.9 | 140 |
| $PM_{2.5}$ 16 to 19 | 2.9 | 1.3 | -0.8 | 4.3 | -2.2 | 39.0 | 84 |
| $PM_{2.5}$ 19 to 4 | 1.4 | 0.7 | -0.6 | 2.1 | -1.6 | 10.9 | 252 |

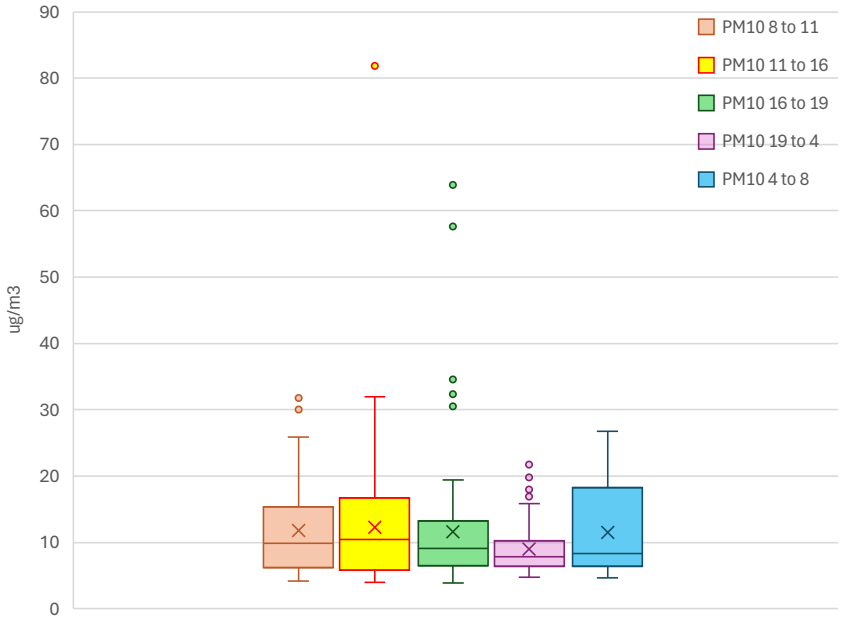
# Hourly concentration distribution

$PM_1$ hourly distribution



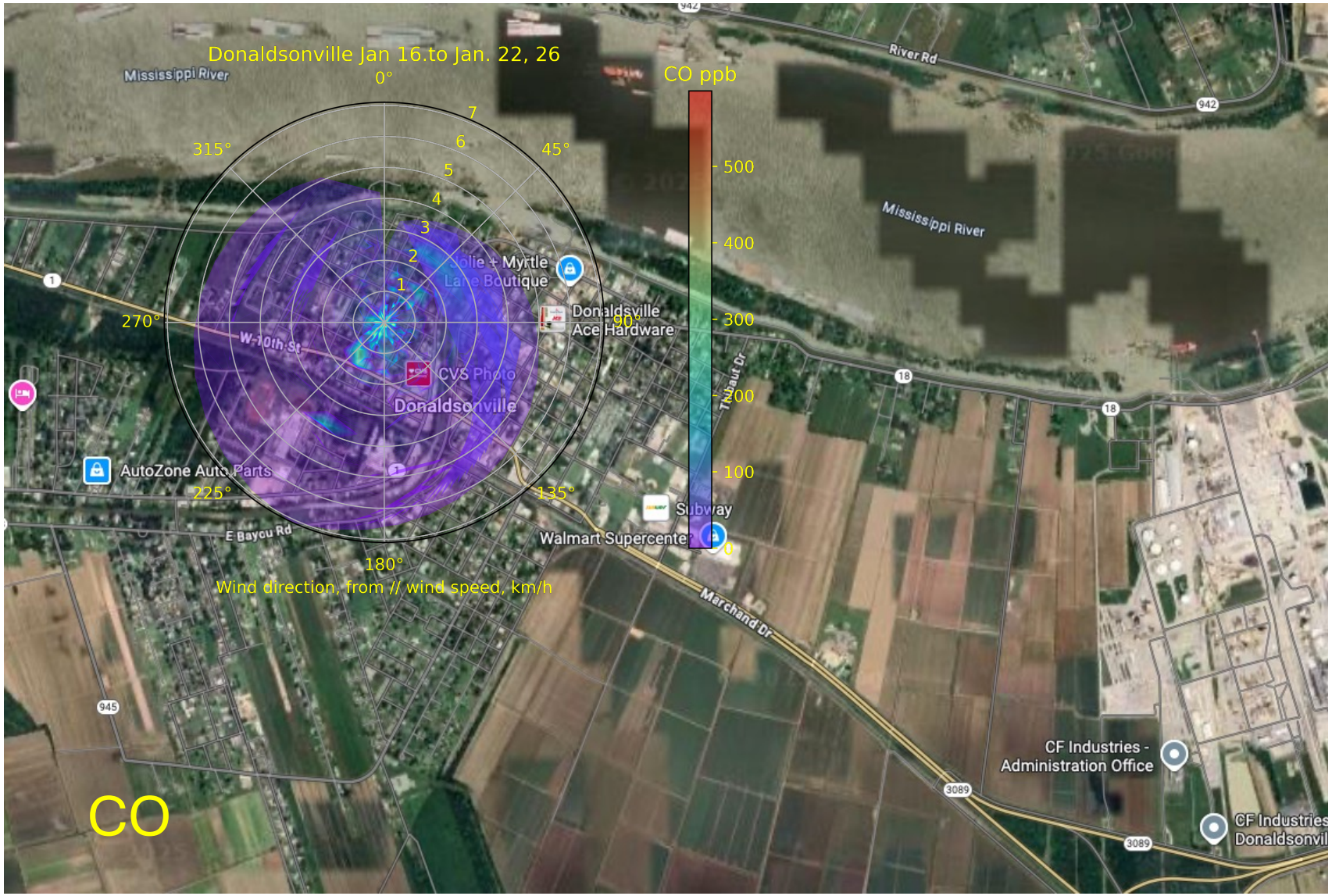

| ug/m$^3$ | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| $PM_1$ 4 to 8 | 1.1 | -0.2 | -1.2 | 4.1 | -2.1 | 7.5 | 112 |
| $PM_1$ 8 to 11 | 0.9 | 0.2 | -1.7 | 2.4 | -2.3 | 10.1 | 84 |
| $PM_1$ 11 to 16 | 1.0 | 0.3 | -1.8 | 2.7 | -2.4 | 25.5 | 140 |
| $PM_1$ 16 to 19 | 0.5 | -0.4 | -1.6 | 1.4 | -2.4 | 20.4 | 84 |
| $PM_1$ 19 to 4 | -0.2 | -0.8 | -1.5 | 0.1 | -2.1 | 5.9 | 252 |

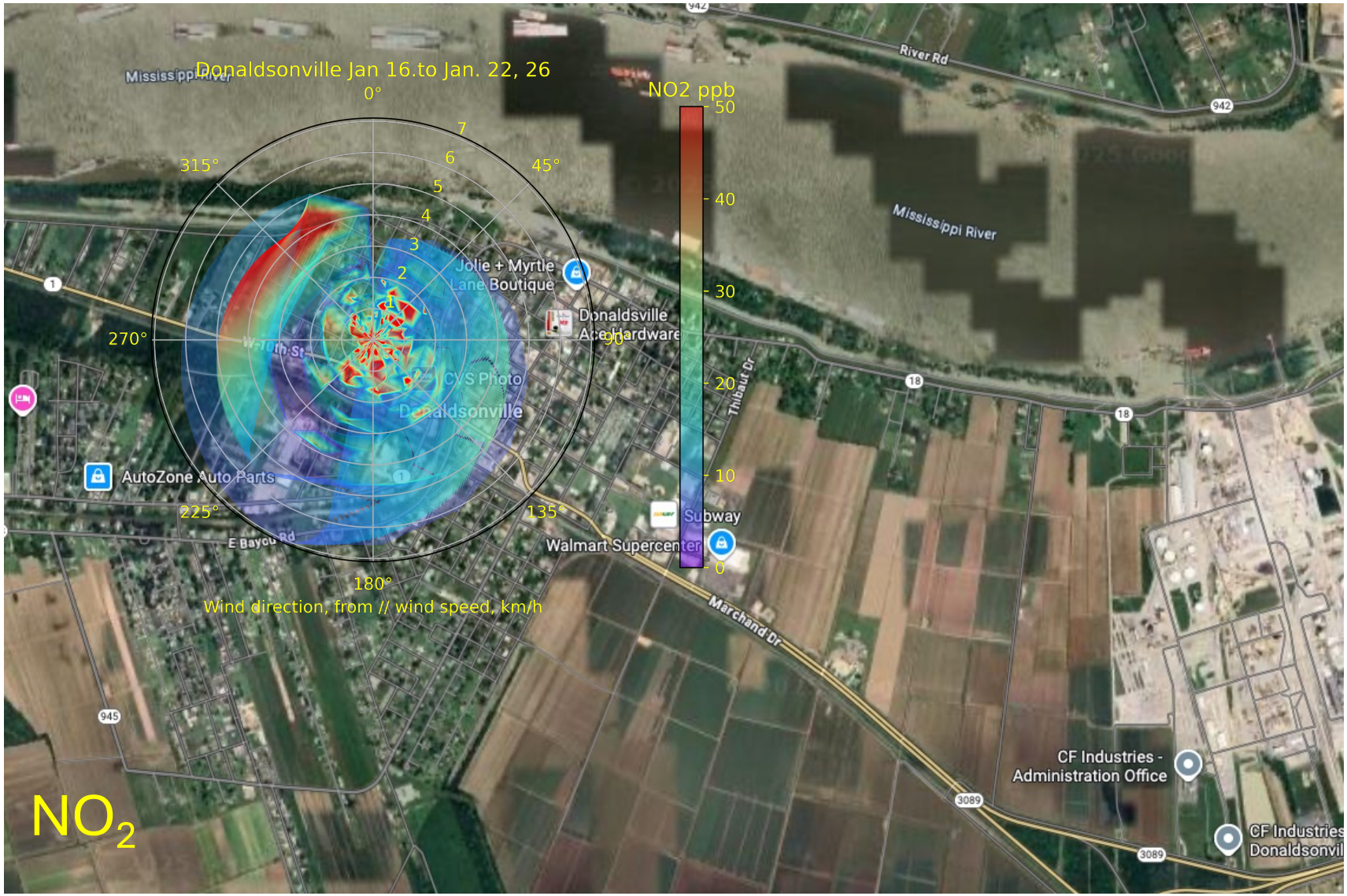
$PM_{10}$ hourly distribution

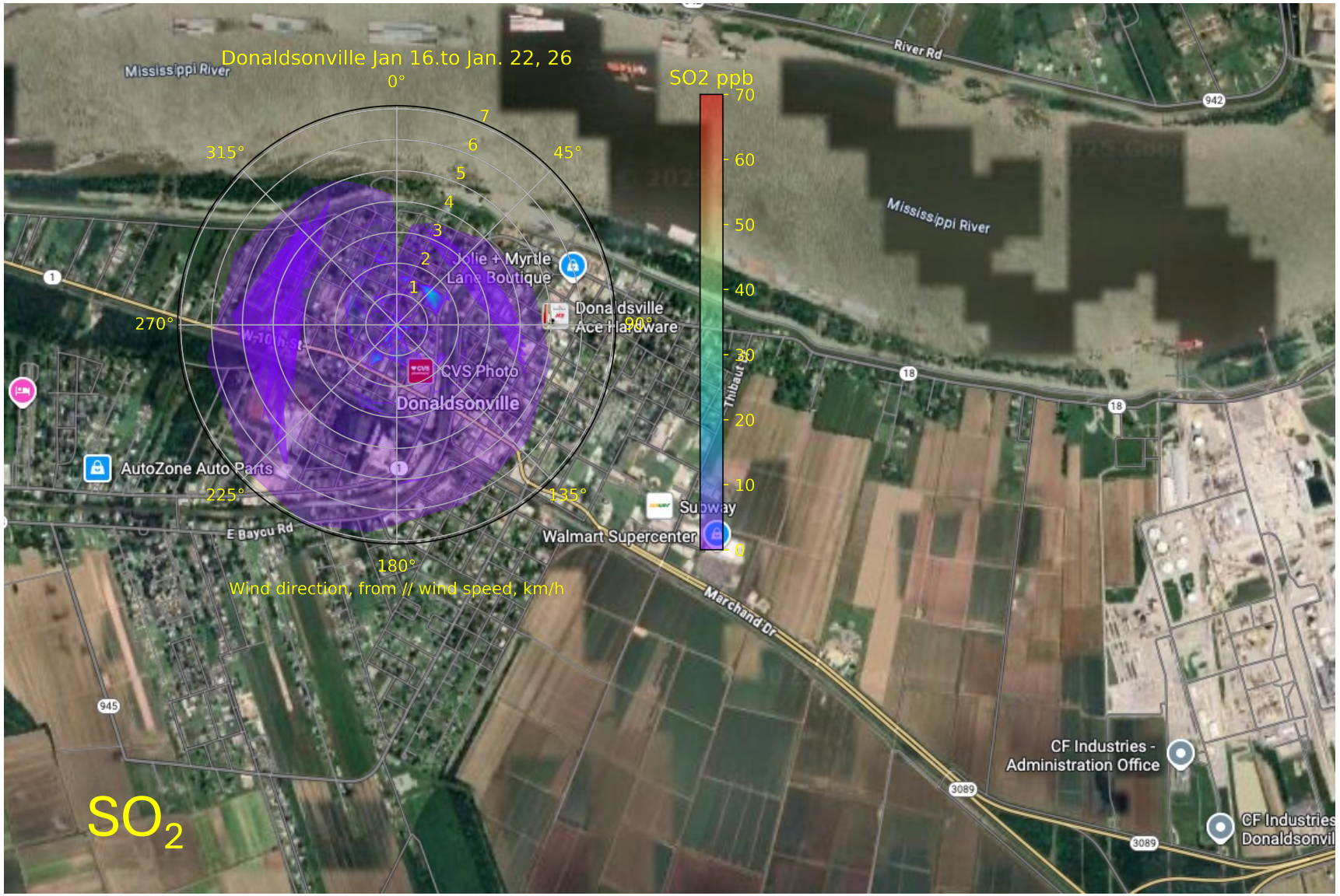



| ug/m$^3$ | Mean | Median | Q1 | Q3 | Min | Max | # points |
|---|---|---|---|---|---|---|---|
| $PM_{10}$ 4 to 8 | 11.5 | 8.3 | 6.4 | 18.2 | 4.7 | 26.8 | 112 |
| $PM_{10}$ 8 to 11 | 11.8 | 9.9 | 6.2 | 15.3 | 4.2 | 31.7 | 84 |
| $PM_{10}$ 11 to 16 | 12.3 | 10.5 | 5.8 | 16.7 | 4.0 | 81.8 | 140 |
| $PM_{10}$ 16 to 19 | 11.6 | 9.1 | 6.5 | 13.2 | 3.8 | 63.9 | 84 |
| $PM_{10}$ 19 to 4 | 9.0 | 7.9 | 6.4 | 10.3 | 4.7 | 21.7 | 252 |

$PM_1$ data is not referenced and calibrated against regulatory monitor

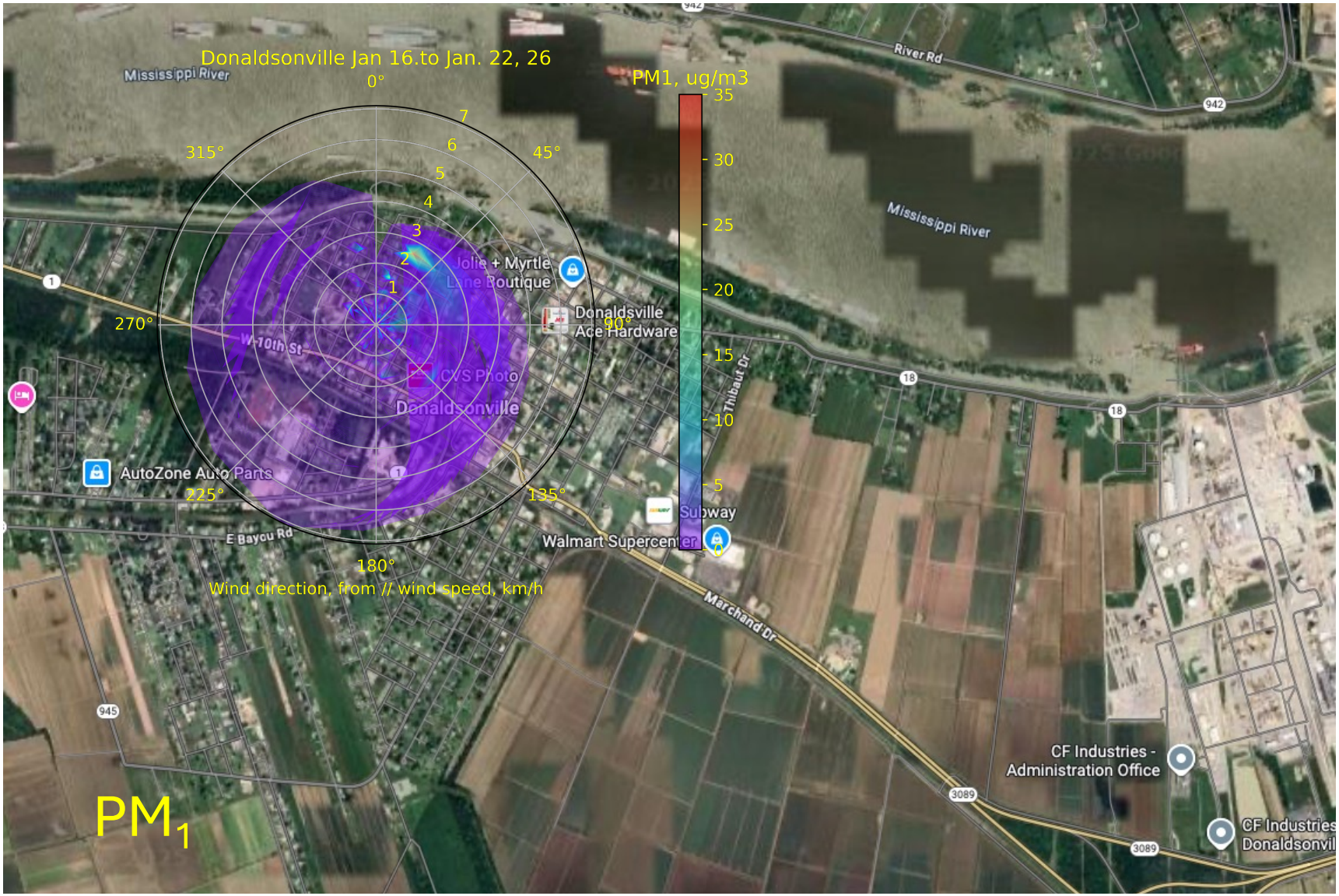

Donaldsonville Jan 16.to Jan. 22, 26
CO ppb
500
400
300
200
100
0
0°
45°
90°
135°
180°
225°
270°
315°
7
6
5
4
3
2
1
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Mississippi River
Donaldsville
Ace Hardware
CVS Photo
Donaldsonville
W 10th St
AutoZone Auto Parts
E Baycu Rd
Subway
Walmart Supercenter
Marchand Dr
CF Industries -
Administration Office
CF Industries
Donaldsonvil
18
3089
945
CO

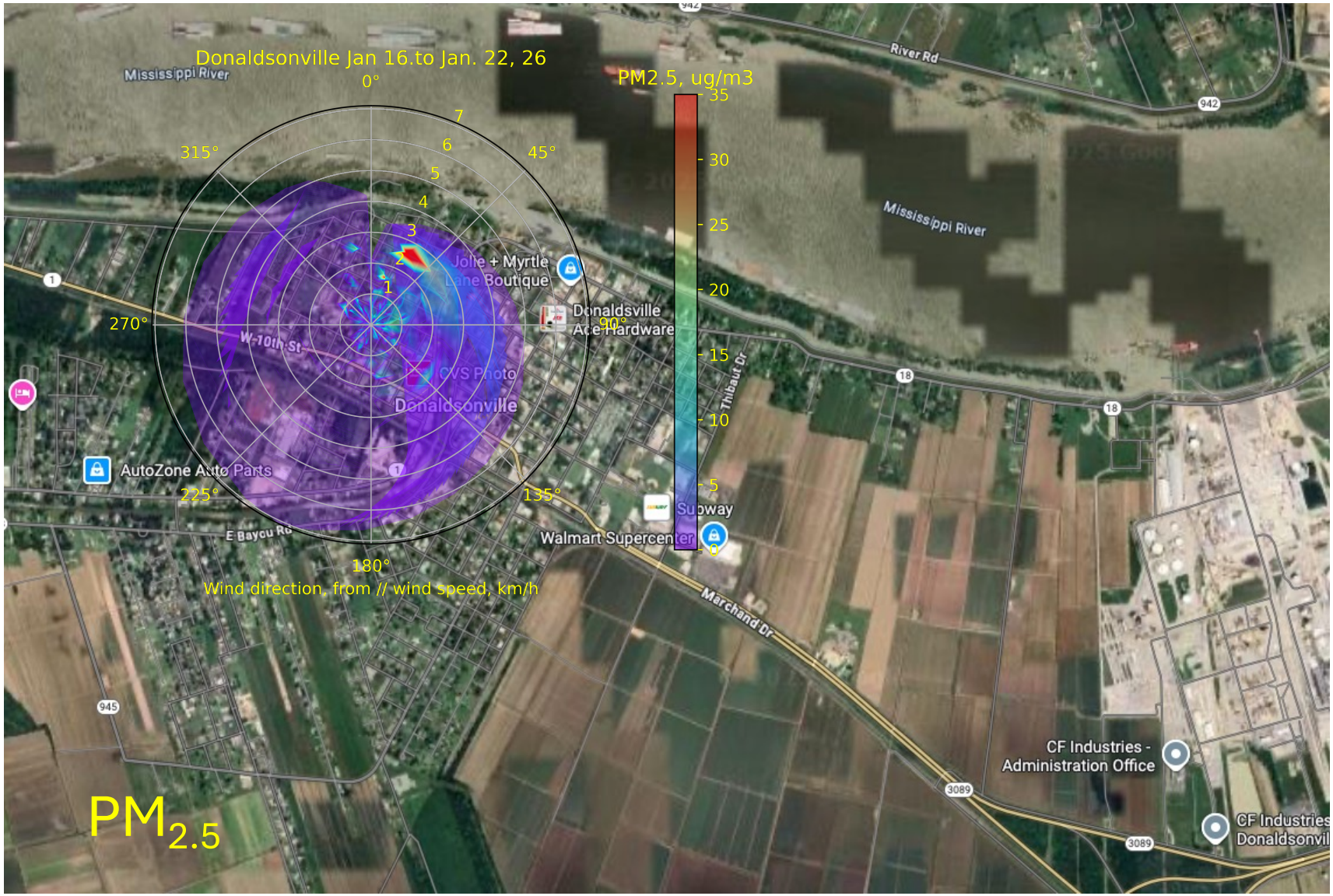

Donaldsonville Jan 16.to Jan. 22, 26
NO2 ppb
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
7
6
5
4
3
2
1
Wind direction, from // wind speed, km/h
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
Thibaut Dr
Marchand Dr
E Bayou Rd
CF Industries - Administration Office
CF Industries Donaldsonvil
942
18
945
3089
NO2

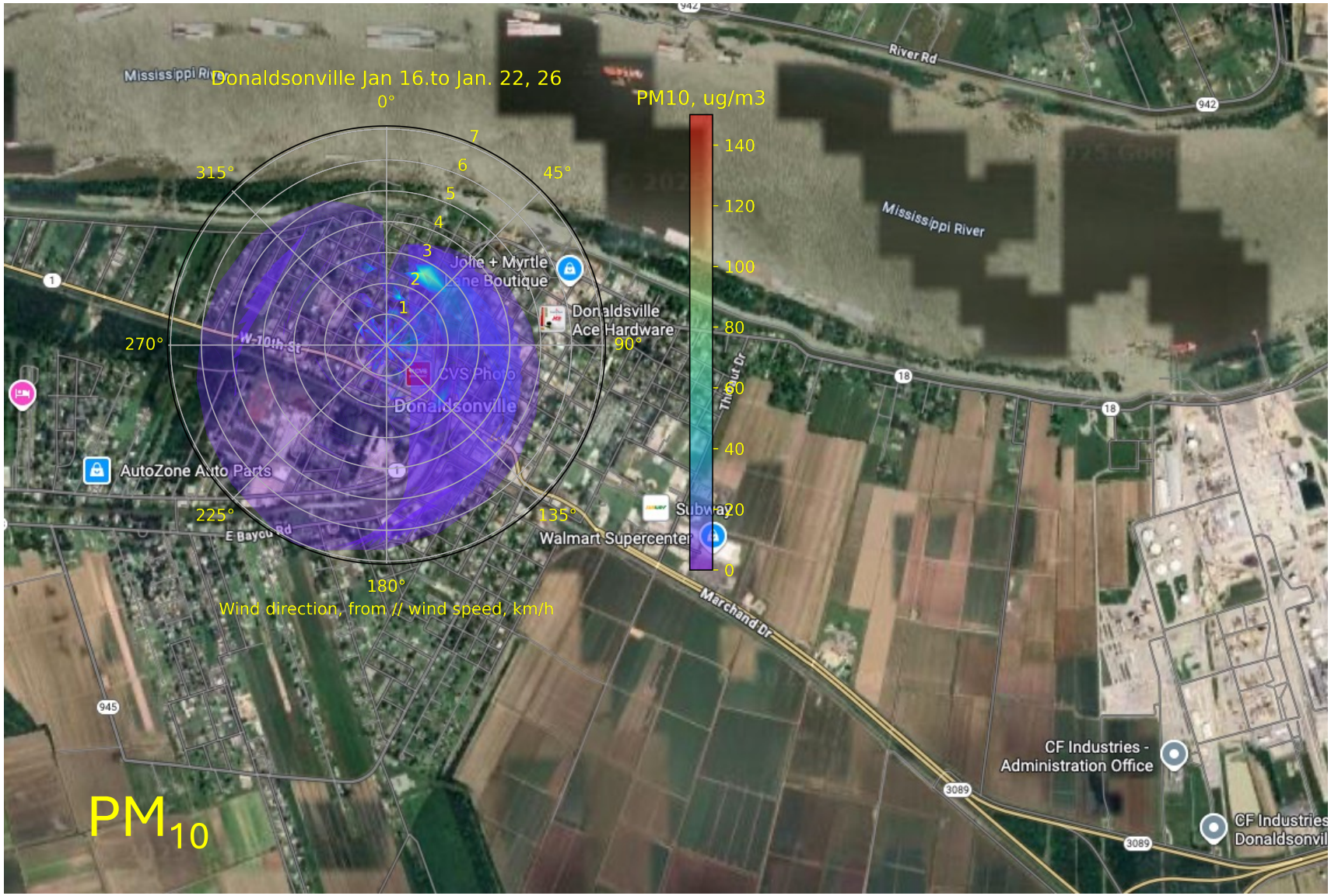

Donaldsonville Jan 16.to Jan. 22, 26
SO2 ppb
70
60
50
40
30
20
10
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
7
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
CVS Photo
Donaldsonville
AutoZone Auto Parts
Subway
Walmart Supercenter
E Bayou Rd
Marchand Dr
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
$SO_2$

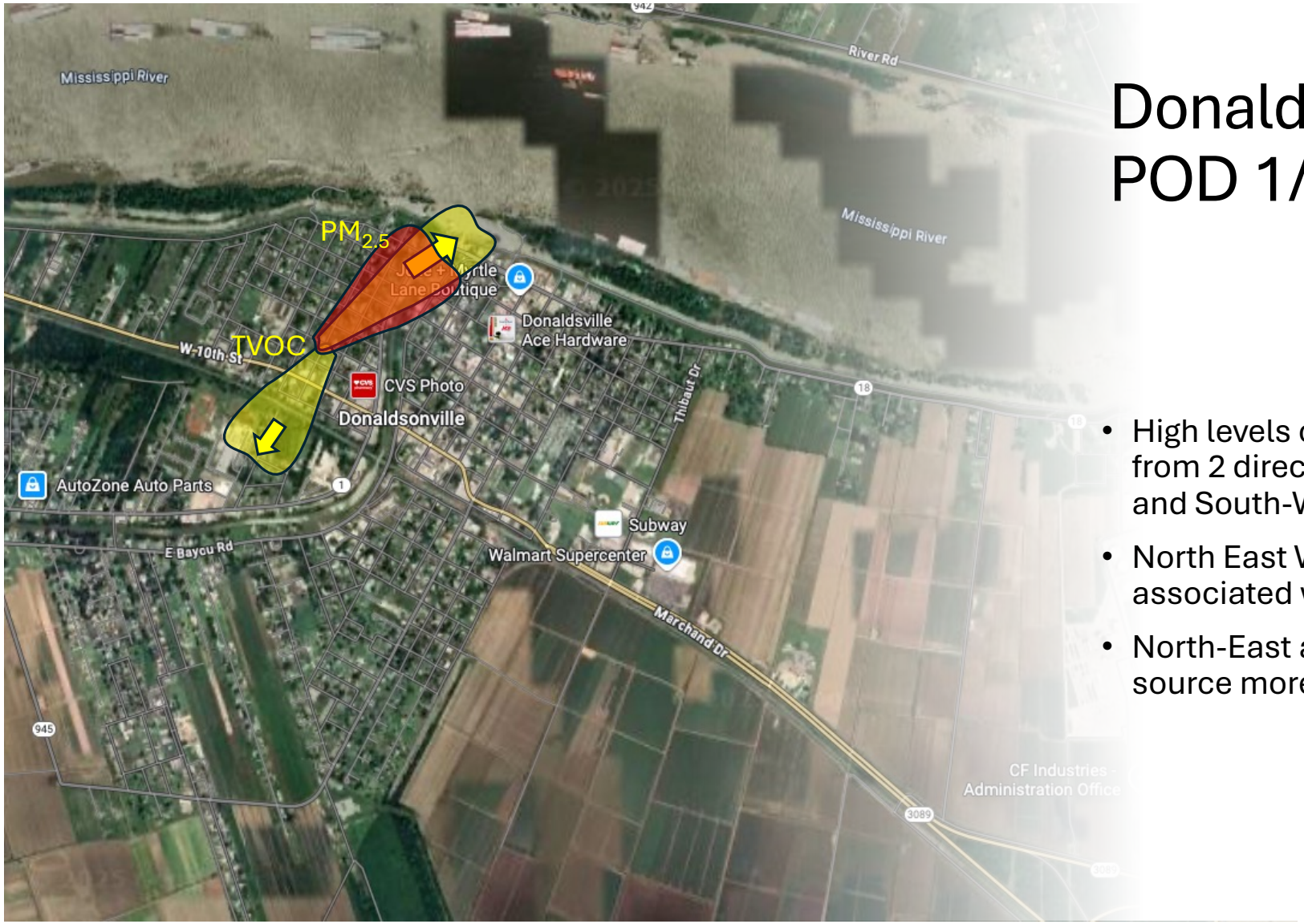

Donaldsonville Jan 16.to Jan. 22, 26
H2S ppb
30
25
20
15
10
5
0
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
7
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
W 10th St
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Bayou Rd
Subway
Walmart Supercenter
Thibaut Dr
18
Marchand Dr
3089
945
CF Industries - Administration Office
CF Industries Donaldsonvil
H2S


Donaldsonville Jan 16.to Jan. 22, 26
TVOC ppb
50
40
30
20
10
0°
45°
90°
135°
180°
225°
270°
315°
1
2
3
4
5
6
7
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
W 10th St
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Bayou Rd
Subway
Walmart Supercenter
Marchand Dr
18
945
3089
CF Industries - Administration Office
TVOC


Donaldsonville Jan 16.to Jan. 22, 26
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
7
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
W 10th St
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Bayou Rd
Subway
Walmart Supercenter
Thibaut Dr
18
Marchand Dr
945
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
PM1


Donaldsonville Jan 16.to Jan. 22, 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
7
Wind direction, from // wind speed, km/h
Mississippi River
River Rd
942
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
W 10th St
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Bayou Rd
Subway
Walmart Supercenter
Thibaut Dr
18
18
Marchand Dr
945
3089
3089
CF Industries - Administration Office
CF Industries Donaldsonvil
PM2.5


Donaldsonville Jan 16.to Jan. 22, 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
7
Wind direction, from // wind speed, km/h
PM10
River Rd
Mississippi River
Jolie + Myrtle Lane Boutique
Donaldsville Ace Hardware
W 10th St
CVS Photo
Donaldsonville
AutoZone Auto Parts
E Bayou Rd
Subway
Walmart Supercenter
Marchand Dr
CF Industries - Administration Office
CF Industries Donaldsonvil
Thibaut Dr
942
18
945
3089




# Donaldsonville POD 1/16-1/22

- High levels of TVOC moving from 2 directions North-East, and South-West
- North East Wind also associated with elevated $PM_{2.5}$
- North-East associated with the source more distant.