

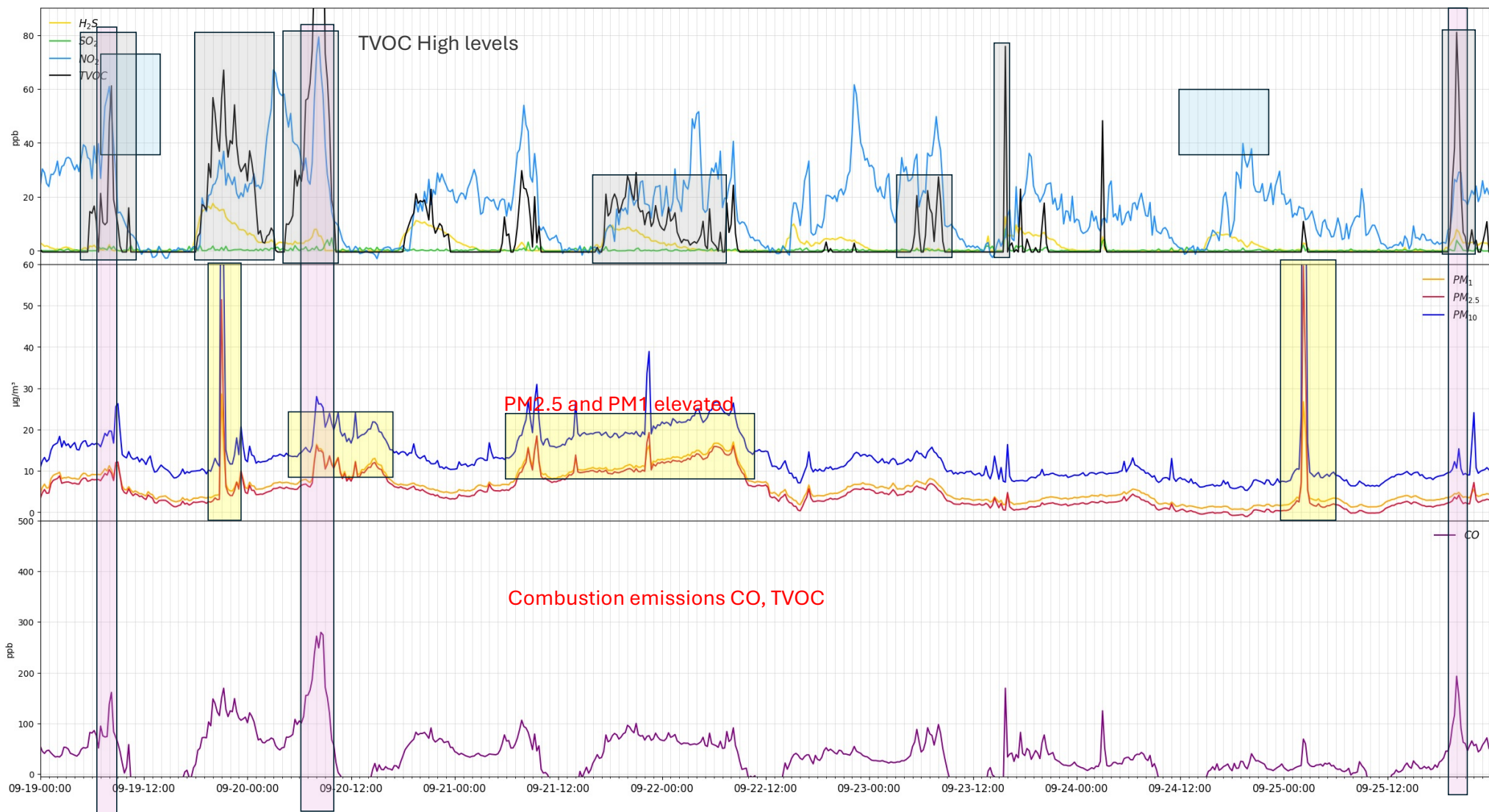
Donaldsonville POD

September 19-25, 2025

Disclaimer

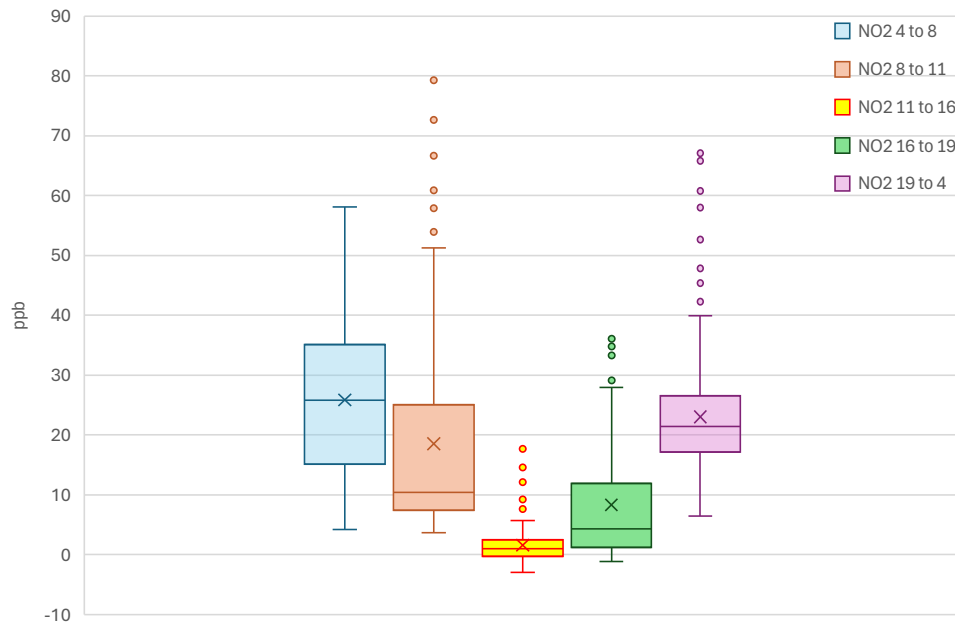
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



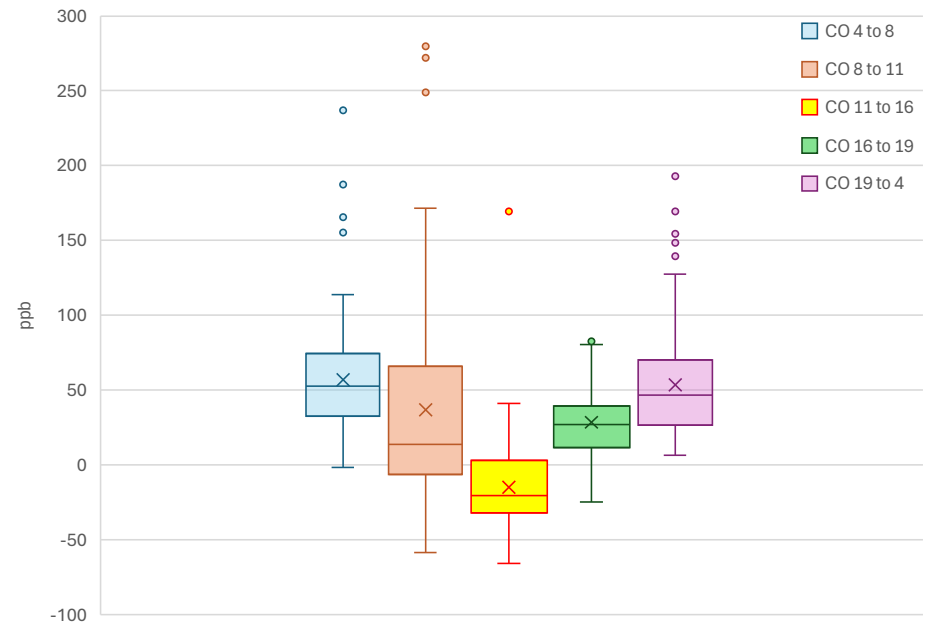
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	25.9	25.9	15.1	35.3	4.2	58.1	112
NO2 8 to 11	18.5	10.5	7.5	25.1	3.7	79.3	84
NO2 11 to 16	1.6	1.0	-0.3	2.5	-2.9	17.8	140
NO2 16 to 19	8.3	4.3	1.2	11.9	-1.2	36.1	84
NO2 19 to 4	23.0	21.5	17.1	26.5	6.4	67.0	252

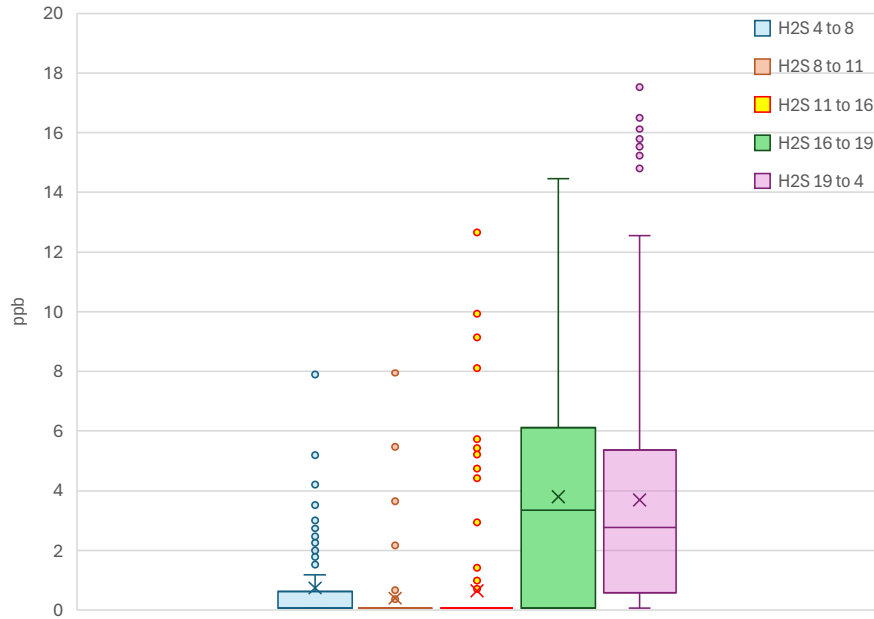
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	57.1	52.6	32.5	74.6	-1.6	237.1	112
CO 8 to 11	36.7	13.9	-6.5	65.8	-58.6	279.5	84
CO 11 to 16	-14.8	-20.5	-32.1	3.2	-65.9	169.5	140
CO 16 to 19	28.5	26.9	11.7	39.5	-24.9	82.5	84
CO 19 to 4	53.4	46.7	26.3	70.3	6.5	193.1	252

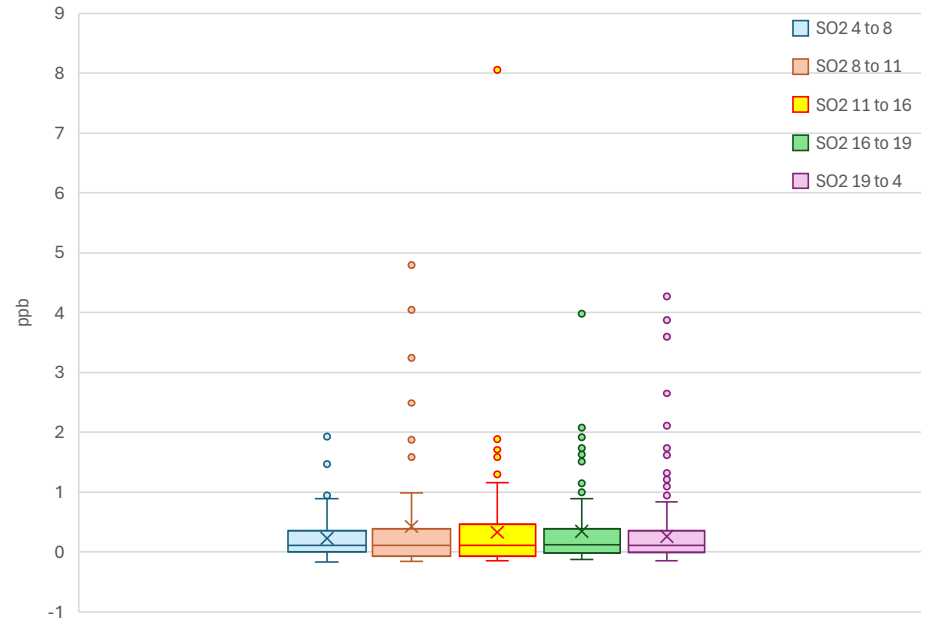
Hourly concentration distribution

H₂S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.7	0.1	0.1	0.6	0.1	7.9	112
H2S 8 to 11	0.4	0.1	0.1	0.1	0.1	8.0	84
H2S 11 to 16	0.6	0.1	0.1	0.1	0.1	12.7	140
H2S 16 to 19	3.8	3.4	0.1	6.2	0.1	14.5	84
H2S 19 to 4	3.7	2.8	0.6	5.4	0.1	17.5	252

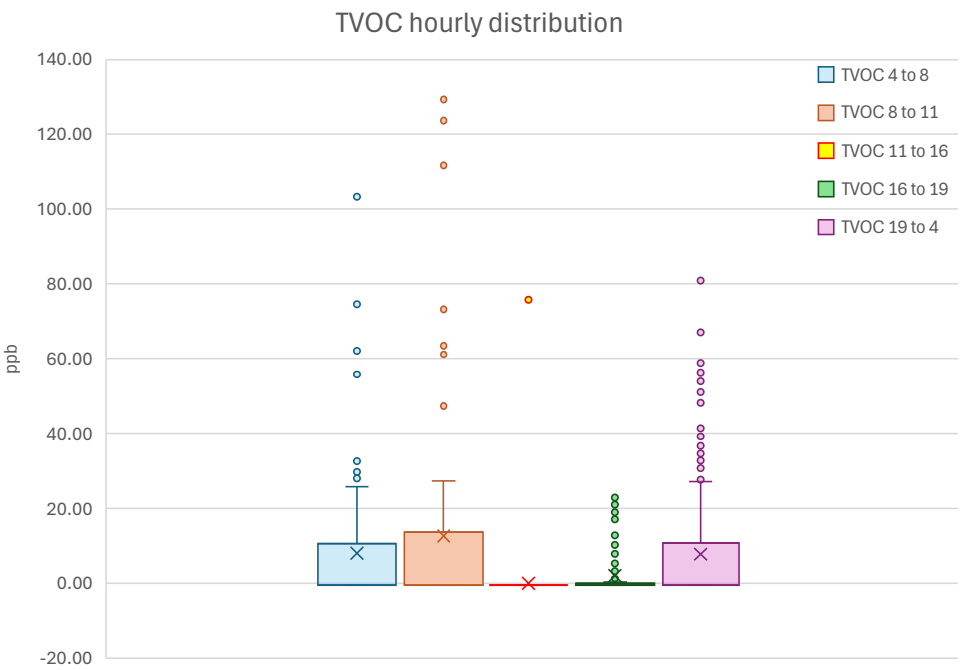
SO₂ hourly distribution



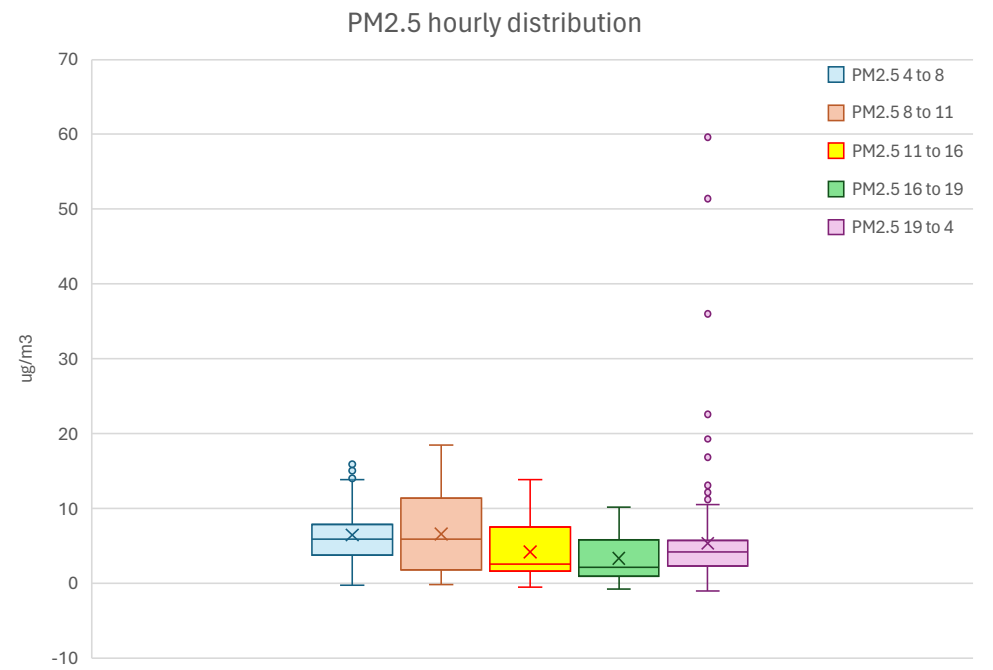
ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	0.2	0.1	0.0	0.4	-0.2	1.9	112
SO2 8 to 11	0.4	0.1	-0.1	0.4	-0.2	4.8	84
SO2 11 to 16	0.3	0.1	-0.1	0.5	-0.1	8.1	140
SO2 16 to 19	0.3	0.1	0.0	0.4	-0.1	4.0	84
SO2 19 to 4	0.3	0.1	0.0	0.4	-0.2	4.3	252

H₂S data is not referenced and calibrated against regulatory monitor

Hourly concentration distribution



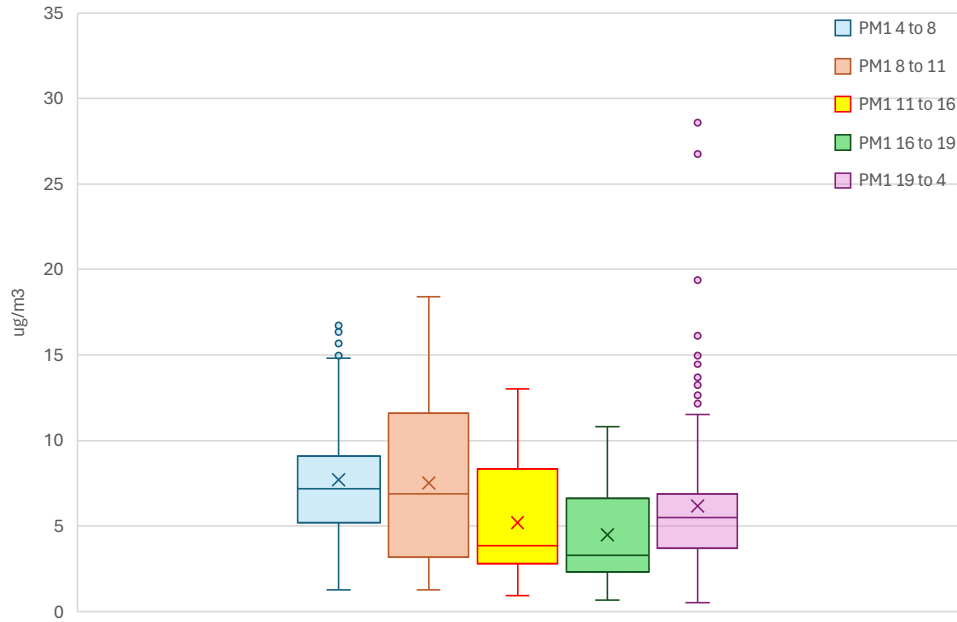
ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	8.0	-0.5	-0.5	10.8	-0.5	103.4	112
TVOC 8 to 11	12.6	-0.5	-0.5	13.8	-0.5	130.6	84
TVOC 11 to 16	0.1	-0.5	-0.5	-0.5	-0.5	75.8	140
TVOC 16 to 19	2.0	-0.5	-0.5	0.0	-0.5	22.9	84
TVOC 19 to 4	7.8	-0.5	-0.5	10.9	-0.5	81.0	252



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	6.5	5.9	3.8	7.9	-0.2	15.9	112
PM2.5 8 to 11	6.6	5.9	1.8	11.4	-0.2	18.5	84
PM2.5 11 to 16	4.2	2.6	1.6	7.5	-0.5	13.9	140
PM2.5 16 to 19	3.4	2.1	0.9	5.8	-0.8	10.2	84
PM2.5 19 to 4	5.4	4.2	2.3	5.8	-1.0	59.6	252

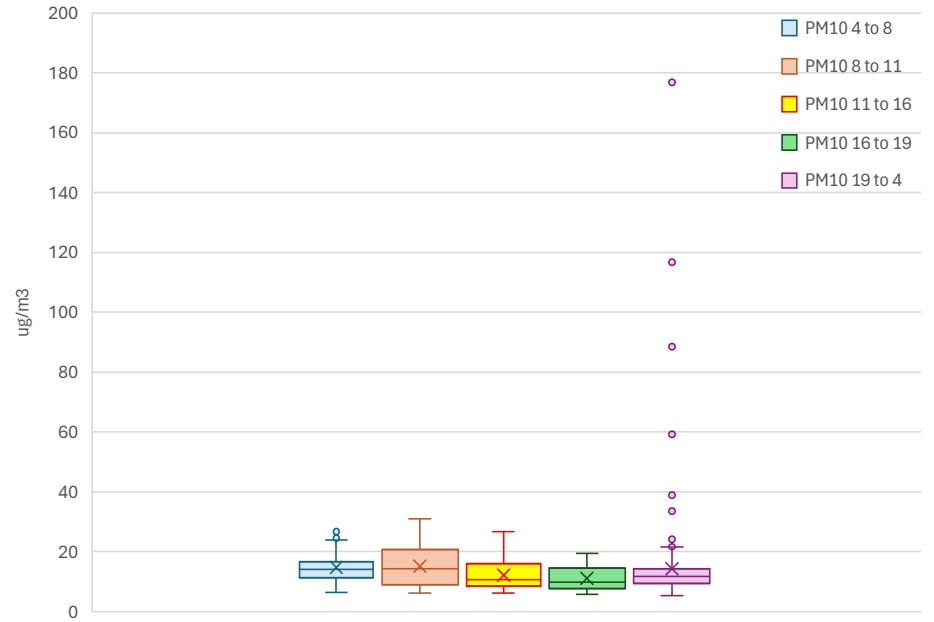
Hourly concentration distribution

PM1 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	7.7	7.2	5.2	9.1	1.3	16.7	112
PM1 8 to 11	7.5	6.9	3.2	11.6	1.3	18.4	84
PM1 11 to 16	5.2	3.9	2.8	8.3	0.9	13.0	140
PM1 16 to 19	4.5	3.3	2.3	6.6	0.7	10.8	84
PM1 19 to 4	6.2	5.5	3.7	6.9	0.5	28.6	252

PM10 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	14.7	14.1	11.3	16.6	6.4	26.7	112
PM10 8 to 11	15.2	14.2	8.9	20.8	6.3	30.9	84
PM10 11 to 16	12.2	10.6	8.6	16.0	6.1	26.8	140
PM10 16 to 19	11.0	9.8	7.7	14.5	5.7	19.4	84
PM10 19 to 4	14.3	11.8	9.5	14.4	5.3	176.8	252

PM₁ data is not referenced and calibrated against regulatory monitor

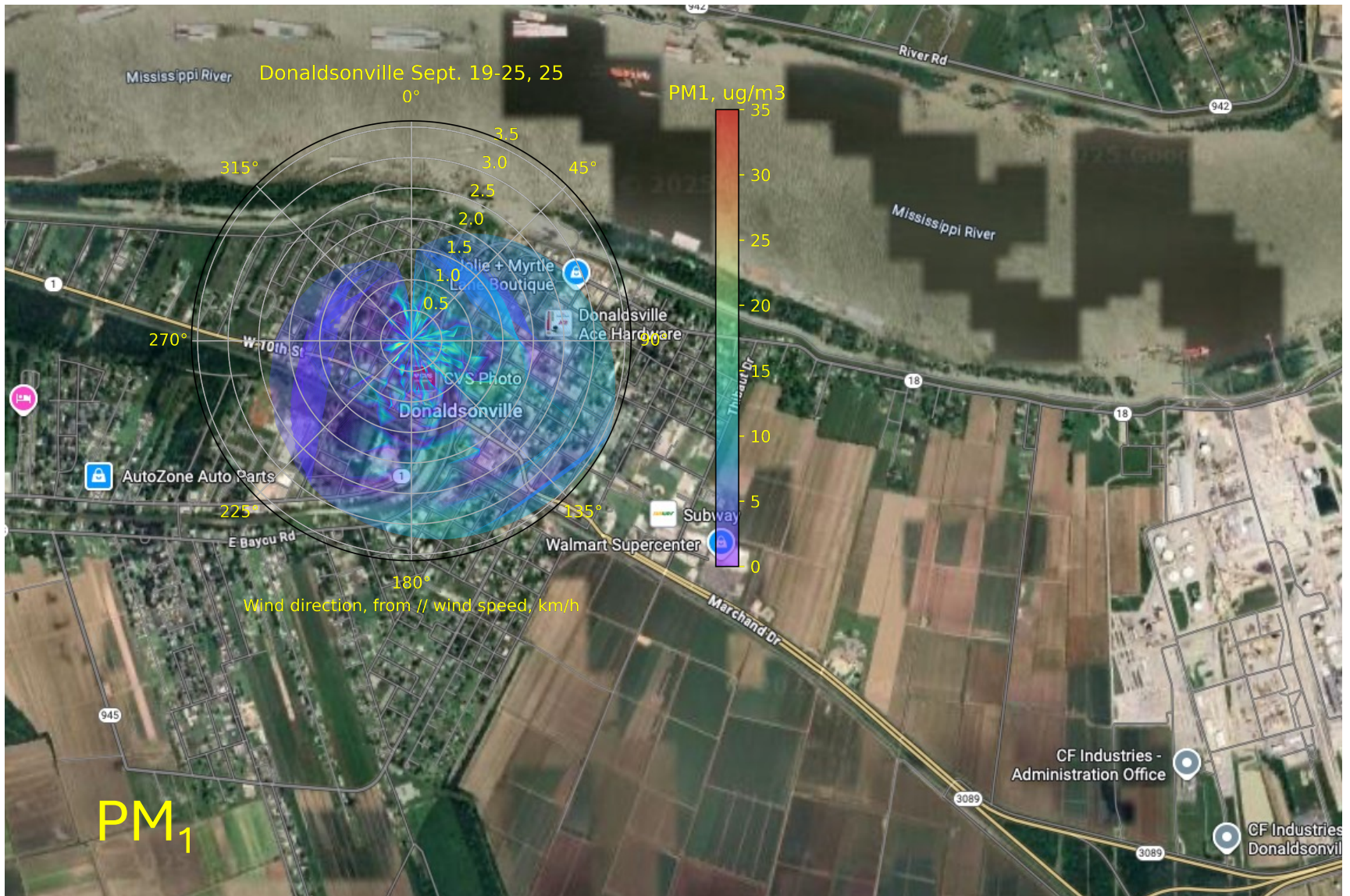


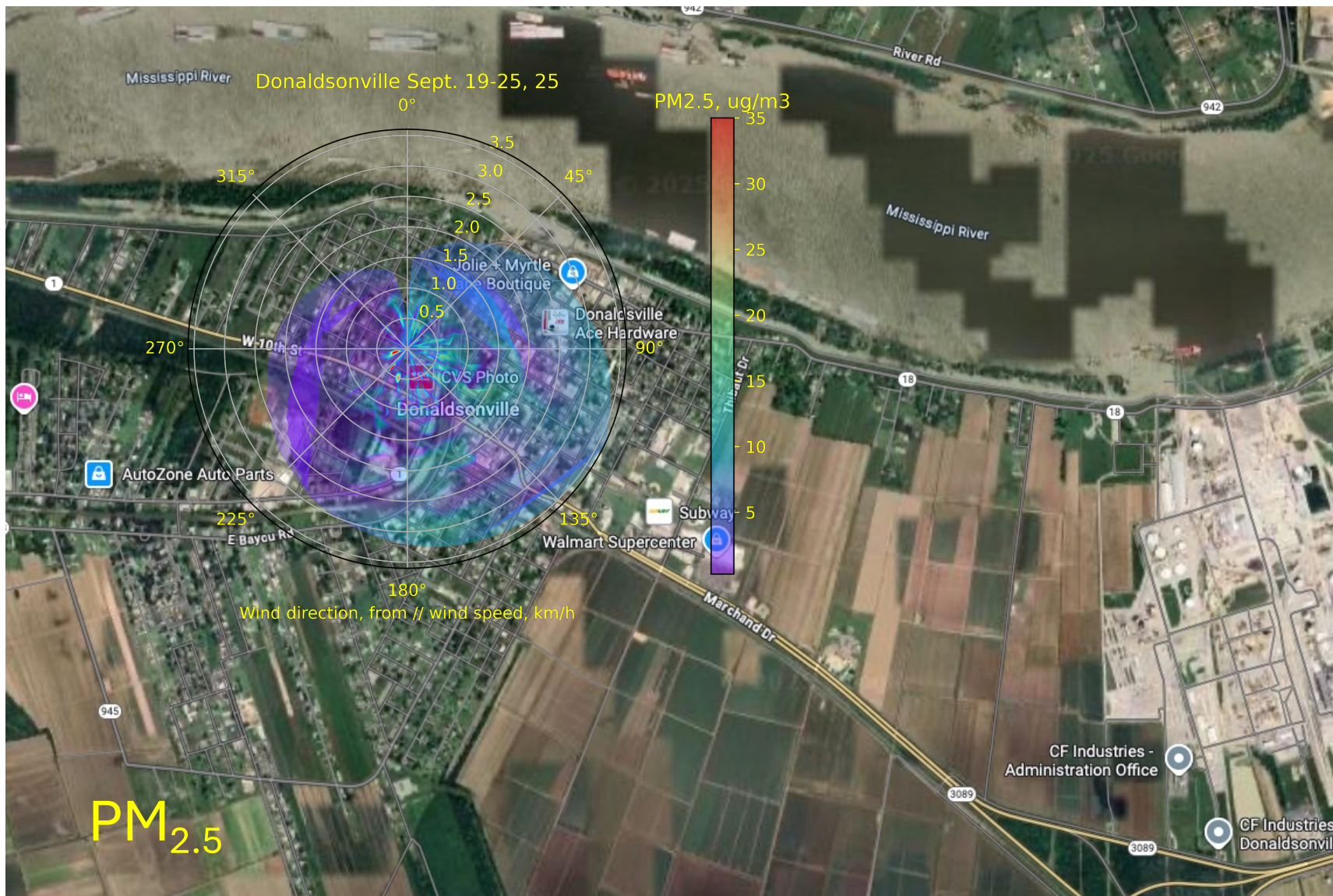














Donaldsonville POD 09/19- 09/25

- High levels of VOCs from 3 directions:
 - more local from the North
 - Correlated with high PM from South East and South.
 - More distant from the West.

