

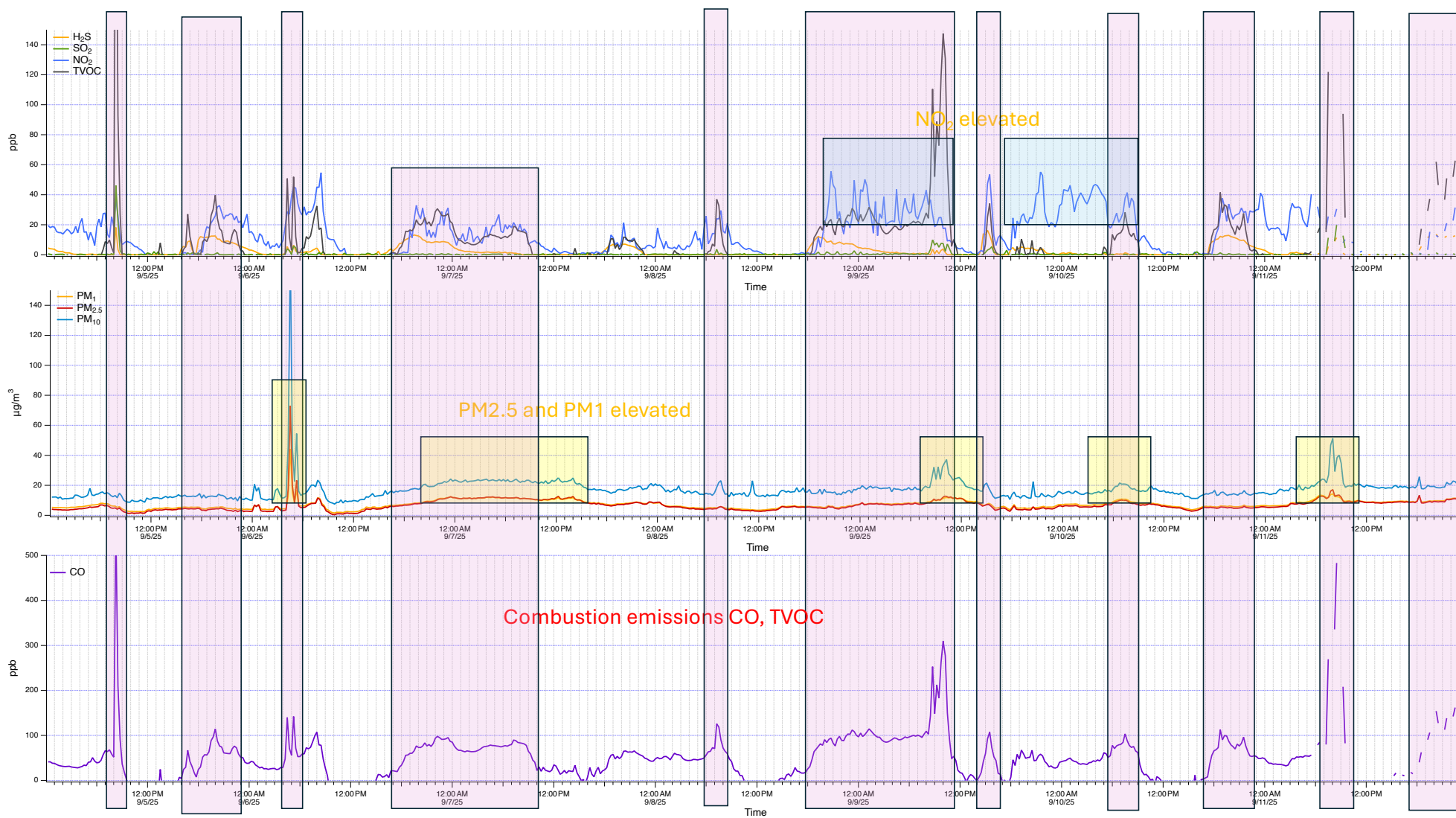
Donaldsonville POD

September 5-11, 2025

Disclaimer

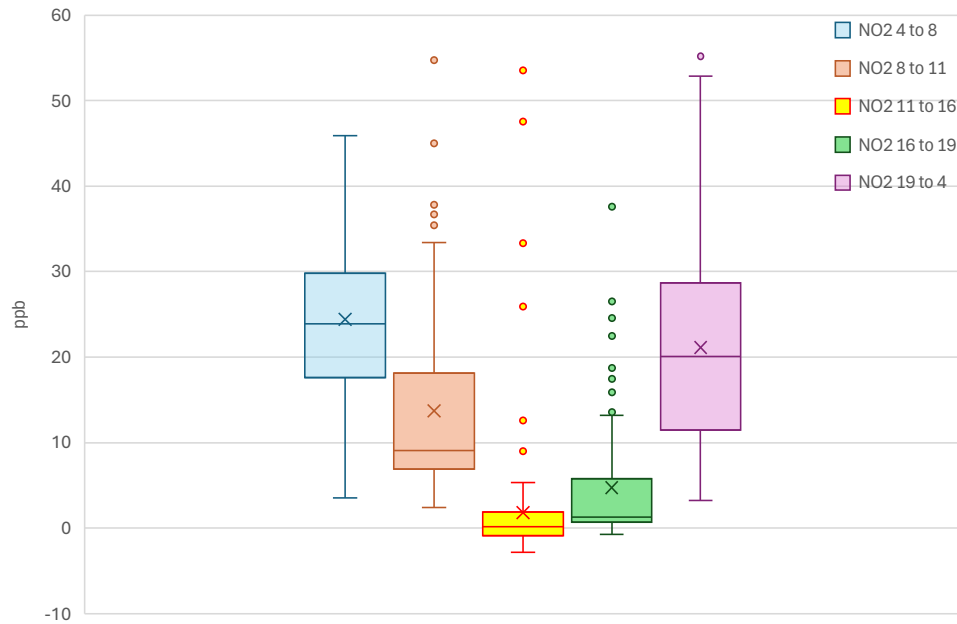
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



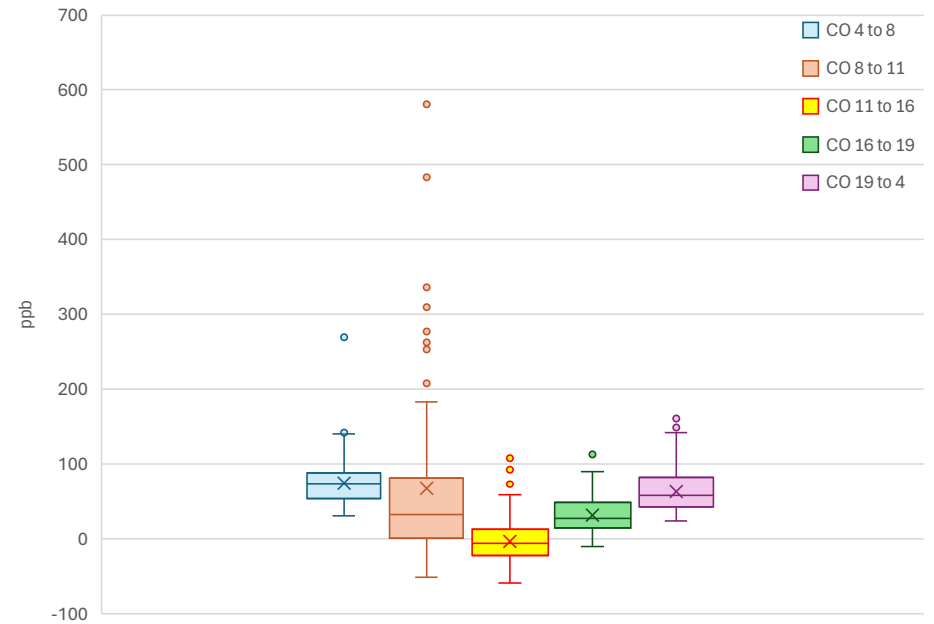
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	24.4	23.9	17.5	29.9	3.6	45.9	106
NO2 8 to 11	13.7	9.1	6.9	18.1	2.4	54.8	78
NO2 11 to 16	1.8	0.2	-0.9	1.9	-2.8	53.5	130
NO2 16 to 19	4.8	1.3	0.7	5.8	-0.7	37.6	78
NO2 19 to 4	21.1	20.1	11.5	28.7	3.2	55.5	242

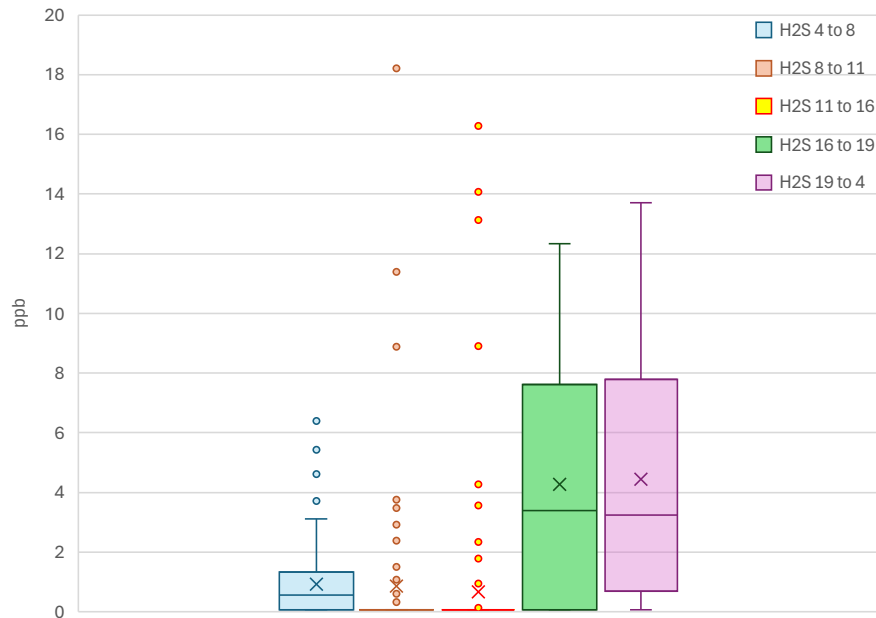
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	74.2	73.3	53.3	88.8	31.1	269.4	106
CO 8 to 11	67.7	32.5	0.9	81.6	-51.7	580.5	78
CO 11 to 16	-3.2	-5.9	-22.1	12.7	-58.7	107.7	130
CO 16 to 19	31.6	27.1	14.9	48.7	-10.3	112.9	78
CO 19 to 4	63.6	58.6	42.3	82.7	24.1	162.0	242

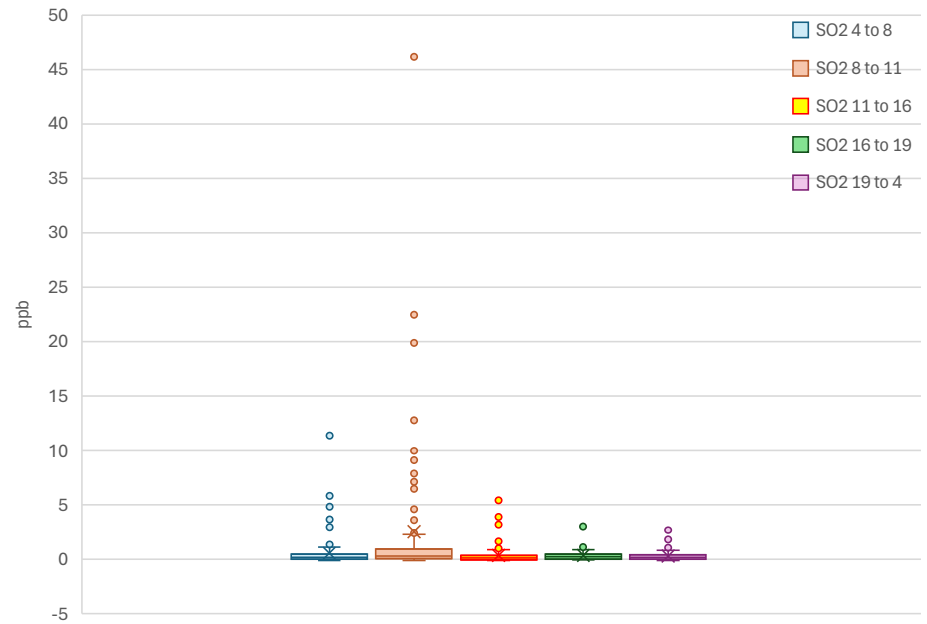
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S4 to 8	0.9	0.6	0.1	1.3	0.1	6.4	106
H2S8 to 11	0.9	0.1	0.1	0.1	0.1	18.2	78
H2S11 to 16	0.7	0.1	0.1	0.1	0.1	16.3	130
H2S16 to 19	4.3	3.4	0.1	7.9	0.1	12.3	78
H2S19 to 4	4.4	3.2	0.7	7.9	0.1	13.7	242

SO2 hourly distribution

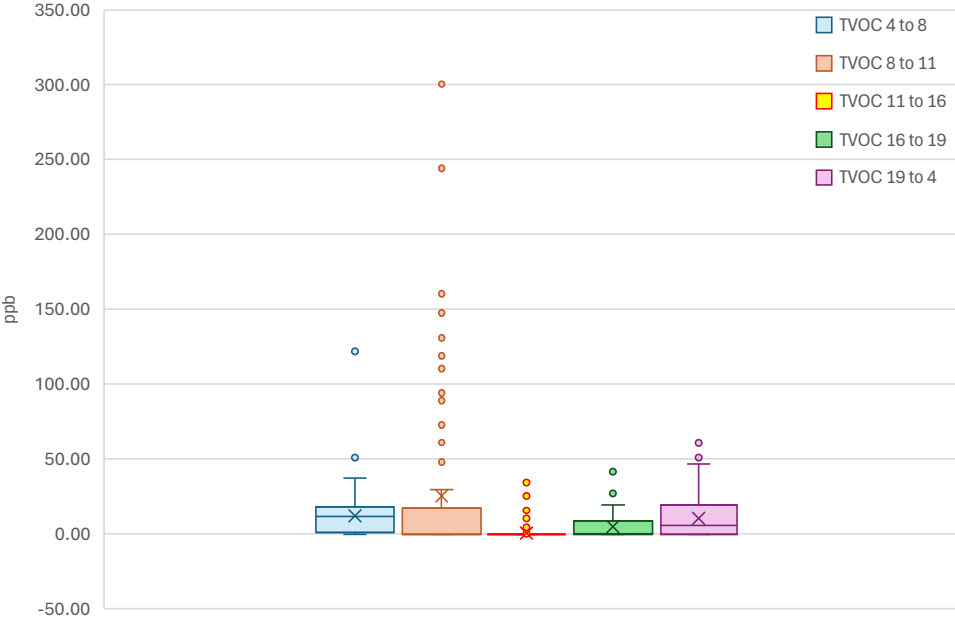


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO24 to 8	0.6	0.2	0.0	0.5	-0.2	11.4	106
SO28 to 11	2.5	0.3	0.0	1.0	-0.1	46.2	78
SO211 to 16	0.3	0.1	-0.1	0.4	-0.1	5.4	130
SO216 to 19	0.4	0.3	0.0	0.4	-0.1	3.0	78
SO219 to 4	0.3	0.2	0.0	0.4	-0.1	2.7	242

H₂S data is not referenced and calibrated against regulatory monitor

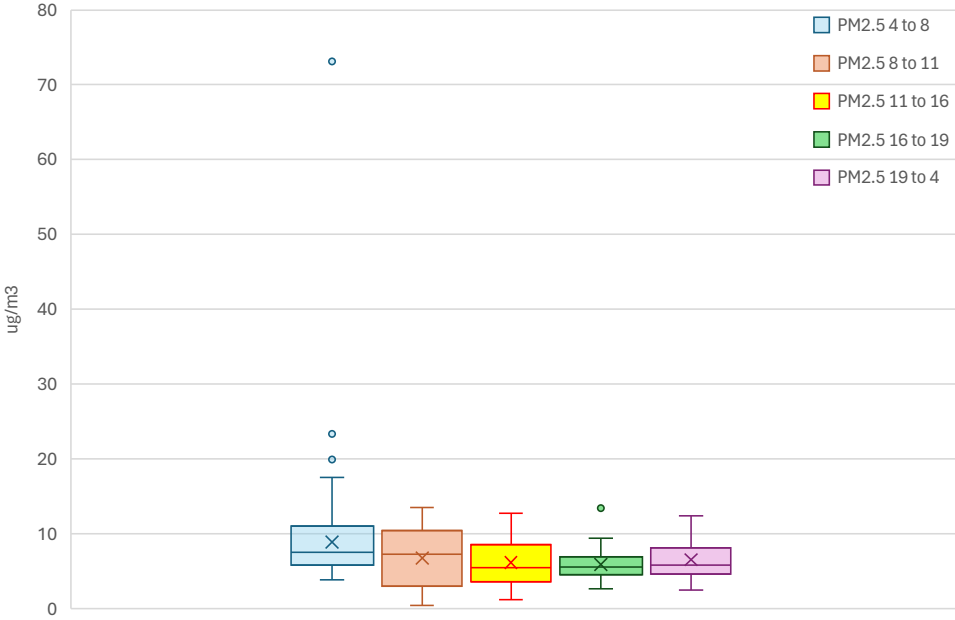
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	12.0	11.7	0.6	18.1	-0.5	121.9	106
TVOC 8 to 11	25.1	-0.5	-0.5	17.1	-0.5	300.4	78
TVOC 11 to 16	0.5	-0.5	-0.5	-0.5	-0.5	34.2	130
TVOC 16 to 19	4.6	-0.2	-0.5	8.7	-0.5	41.6	78
TVOC 19 to 4	10.4	5.6	-0.5	19.3	-0.5	62.7	242

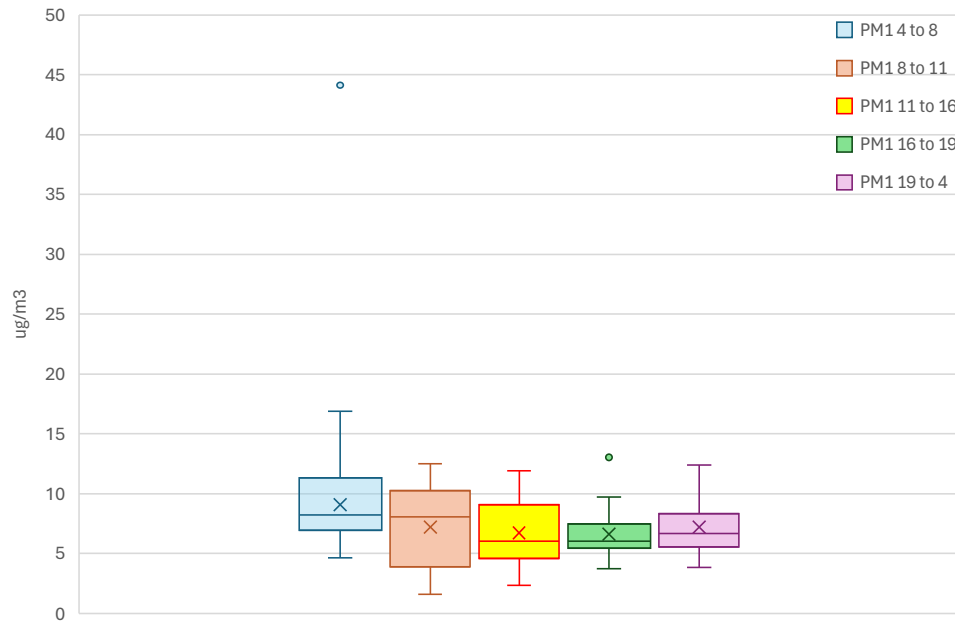
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	8.9	7.5	5.7	11.1	3.9	73.1	112
PM2.5 8 to 11	6.7	7.3	3.0	10.4	0.4	13.5	84
PM2.5 11 to 16	6.2	5.5	3.6	8.6	1.2	12.7	140
PM2.5 16 to 19	5.9	5.6	4.5	6.9	2.7	13.4	84
PM2.5 19 to 4	6.5	5.8	4.6	8.2	2.5	12.4	252

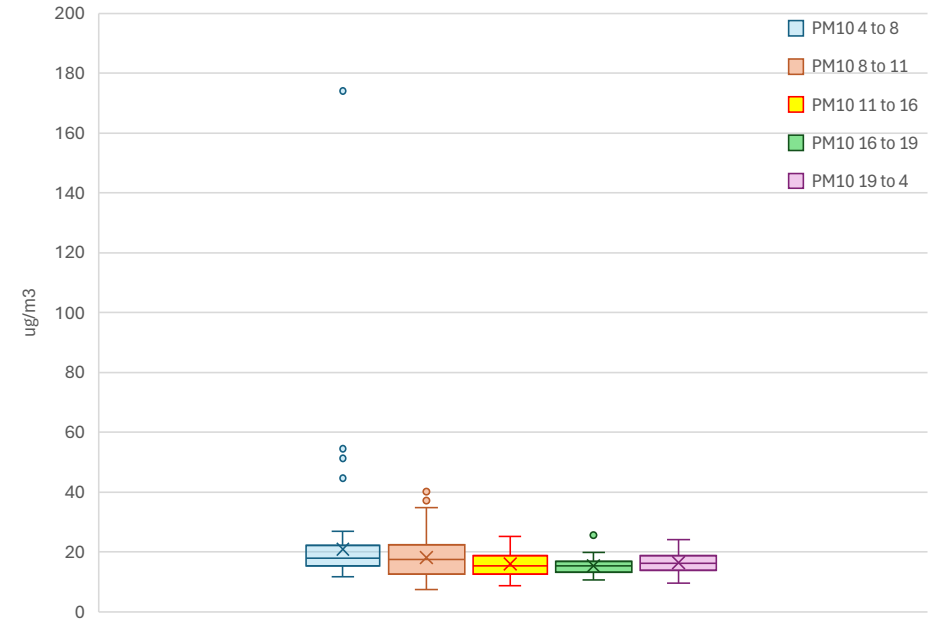
Hourly concentration distribution

PM1 hourly distribution



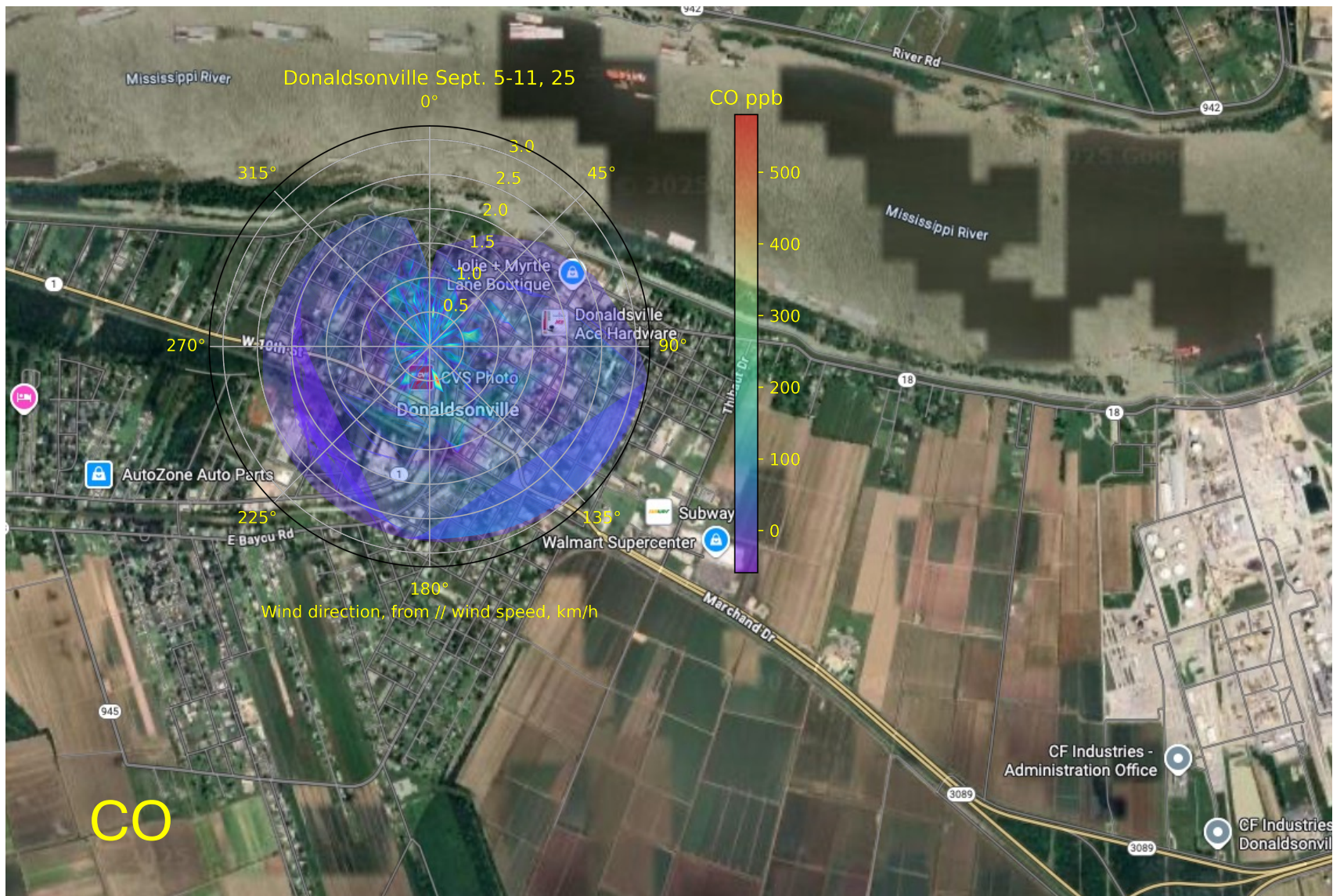
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	9.1	8.2	6.9	11.4	4.6	44.1	112
PM1 8 to 11	7.2	8.1	3.9	10.3	1.6	12.5	84
PM1 11 to 16	6.8	6.0	4.6	9.1	2.3	11.9	140
PM1 16 to 19	6.6	6.0	5.5	7.5	3.7	13.1	84
PM1 19 to 4	7.2	6.7	5.5	8.4	3.8	12.4	252

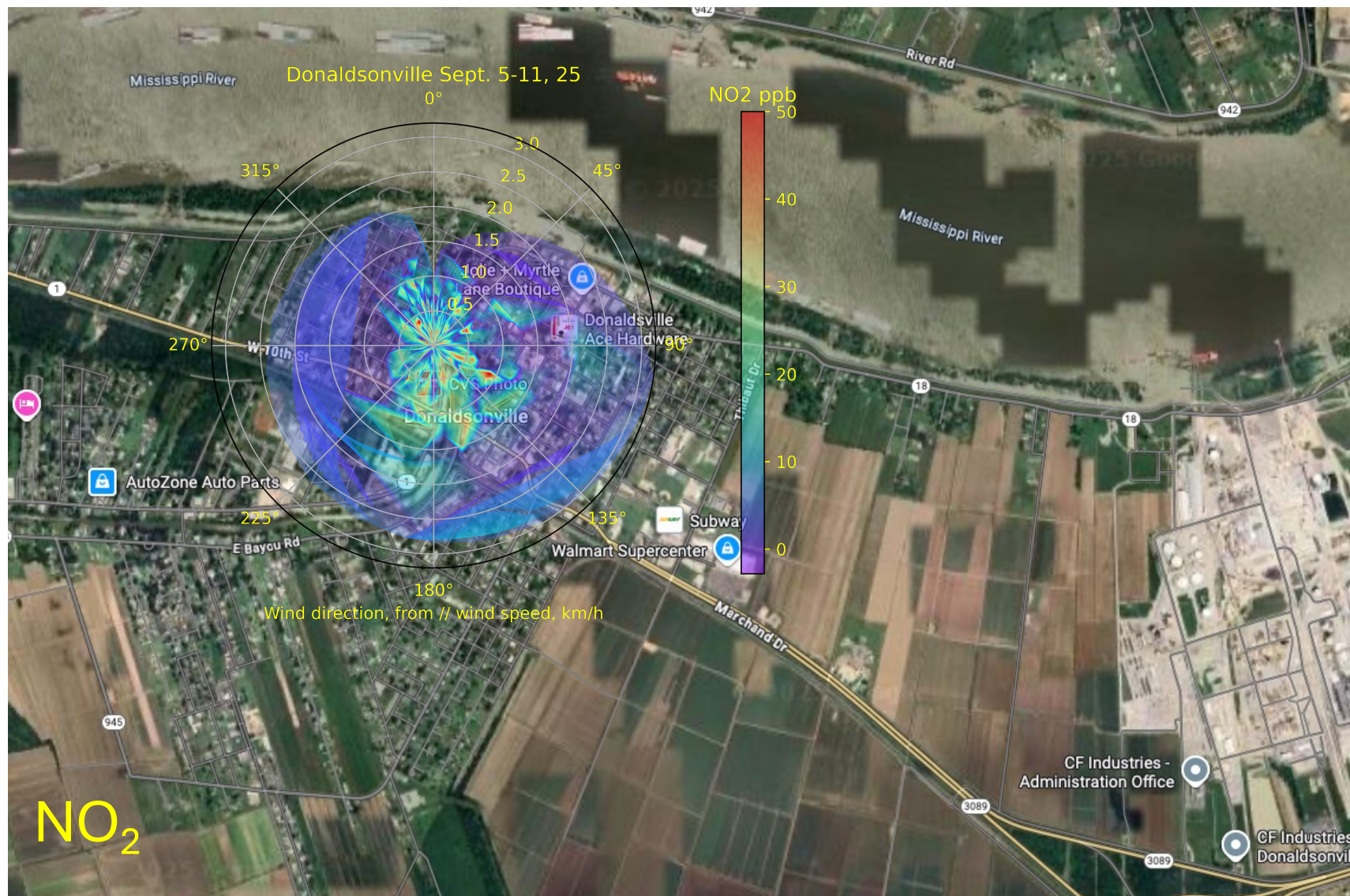
PM10 hourly distribution



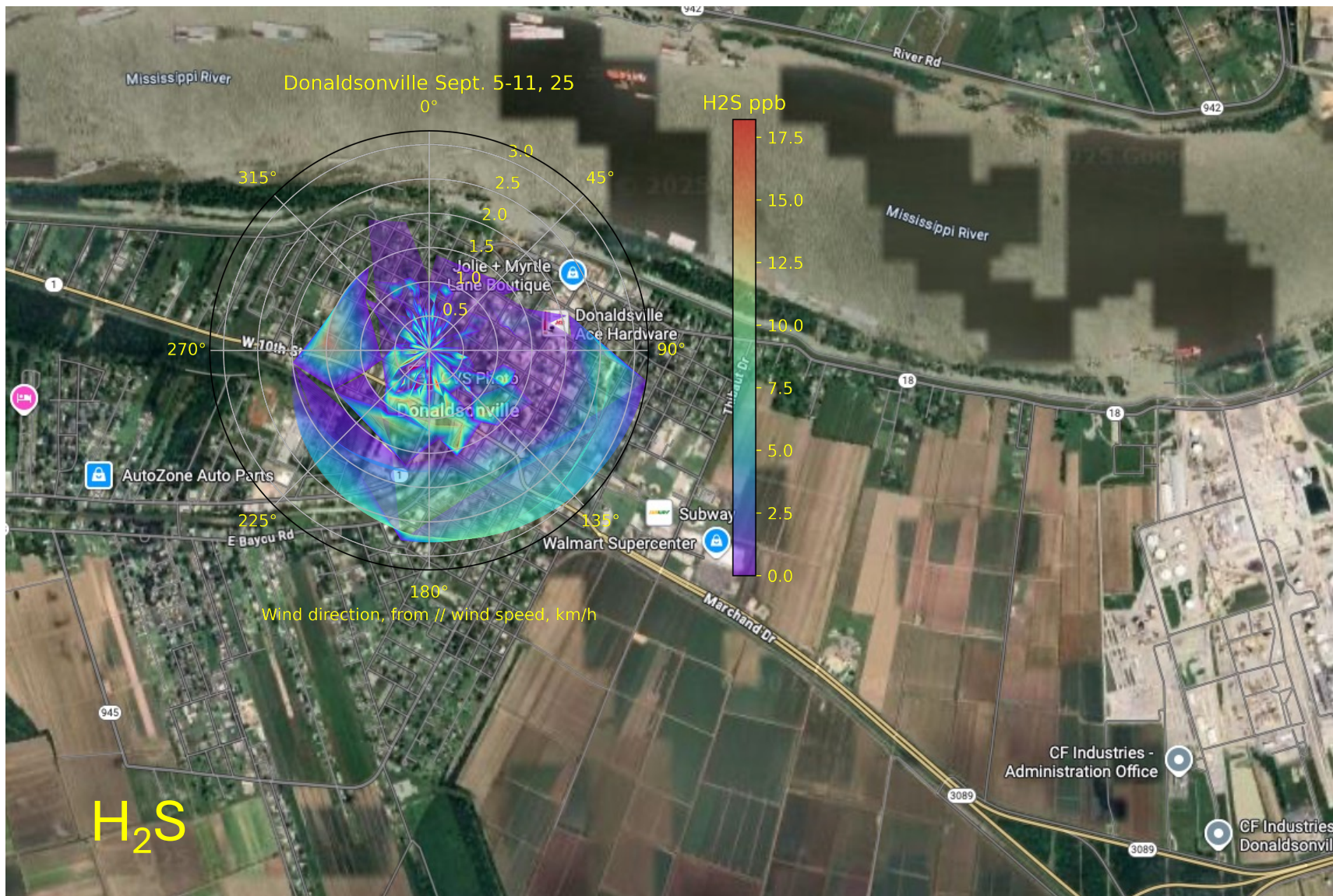
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	21.0	18.0	15.3	22.4	11.8	174.1	112
PM10 8 to 11	18.2	17.5	12.5	22.4	7.5	40.2	84
PM10 11 to 16	16.0	15.5	12.6	18.8	8.7	25.3	140
PM10 16 to 19	15.4	15.5	13.3	17.0	10.6	25.7	84
PM10 19 to 4	16.4	16.2	13.8	18.9	9.6	24.2	252

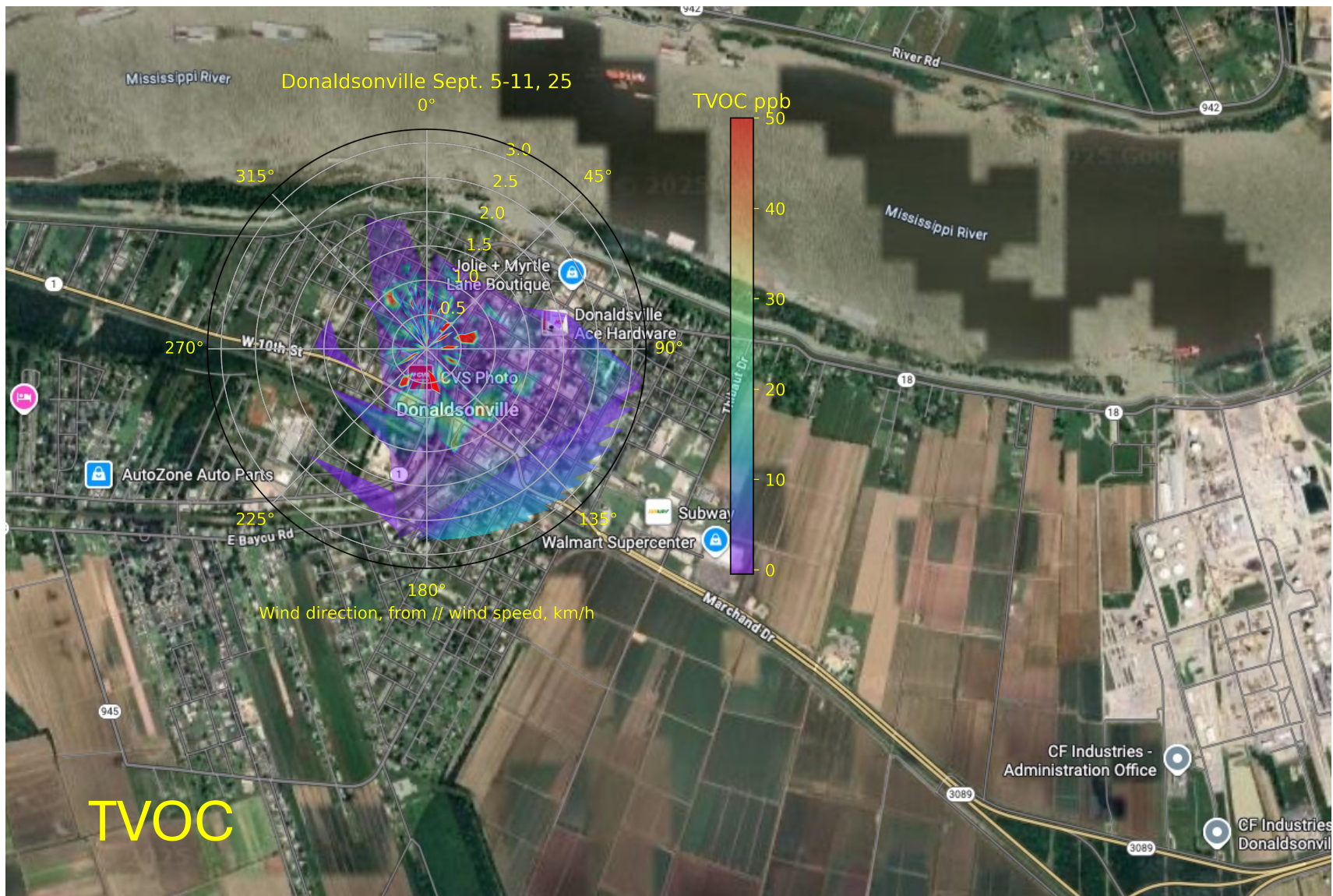
PM₁ data is not referenced and calibrated against regulatory monitor

















Donaldsonville POD 09/05- 09/11

- High levels of NO₂ with the wind from South-East.
- TVOC and CO elevated levels especially at nighttime hours, potentially of combustion origin, from South-East direction and also some from North-East
- Also some combustion sources might be local. PM is potentially of local origin (traffic)

