

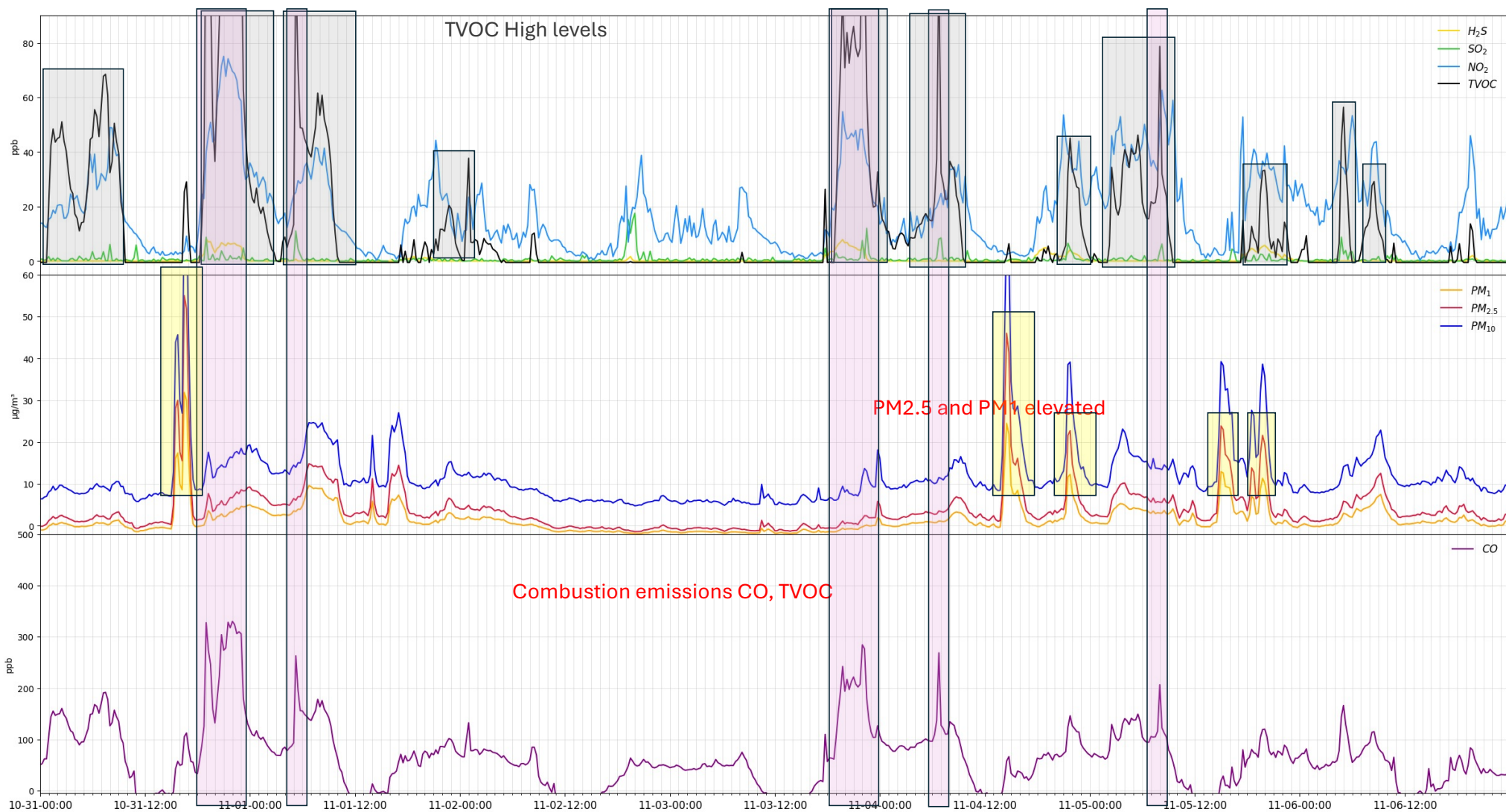
Donaldsonville POD

October 31 – November 6, 2025

Disclaimer

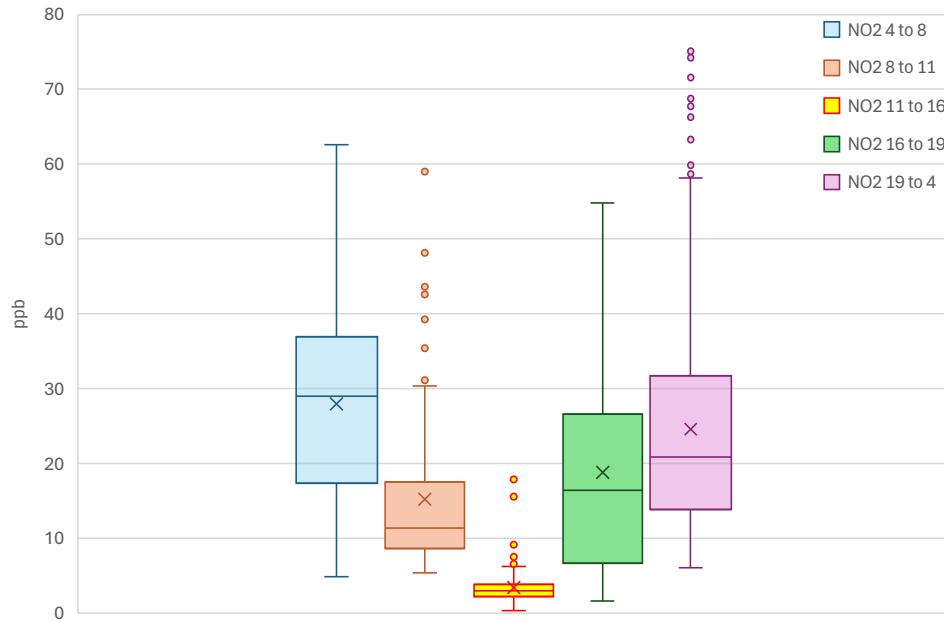
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



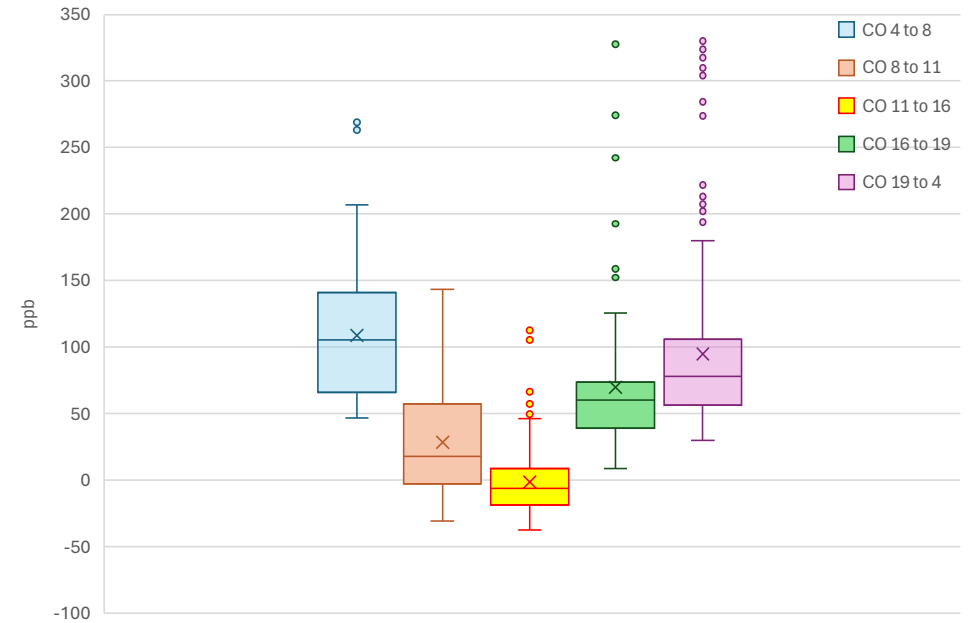
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	27.9	29.0	17.0	36.9	4.8	62.6	112
NO2 8 to 11	15.2	11.4	8.6	17.5	5.4	59.0	84
NO2 11 to 16	3.4	3.0	2.2	3.9	0.4	17.9	140
NO2 16 to 19	18.8	16.4	6.7	26.6	1.6	54.8	84
NO2 19 to 4	24.6	20.9	13.8	32.0	6.0	75.1	252

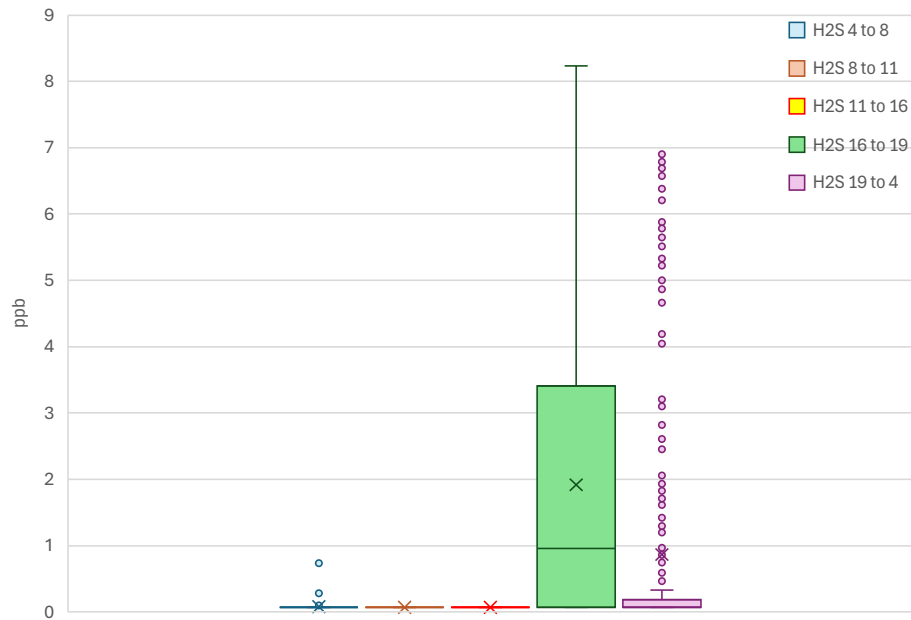
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	108.9	105.2	65.8	143.0	46.9	268.9	112
CO 8 to 11	28.6	17.7	-2.7	57.2	-30.9	143.2	84
CO 11 to 16	-1.6	-6.2	-18.6	8.6	-37.5	112.6	140
CO 16 to 19	69.7	60.4	38.9	73.6	8.7	327.4	84
CO 19 to 4	95.0	77.8	56.0	105.7	29.9	330.1	252

Hourly concentration distribution

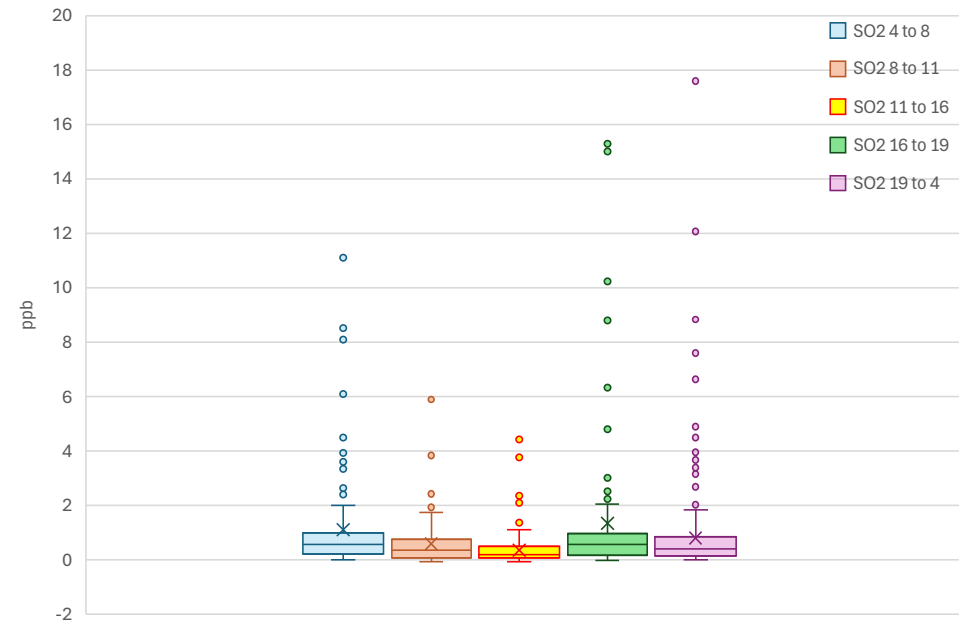
H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.1	0.1	0.1	0.0	0.0	0.7	112
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	0.1	140
H2S 16 to 19	1.9	1.0	0.1	3.4	0.1	8.2	84
H2S 19 to 4	0.9	0.1	0.1	0.3	0.1	6.9	252

H₂S data is not referenced and calibrated against regulatory monitor

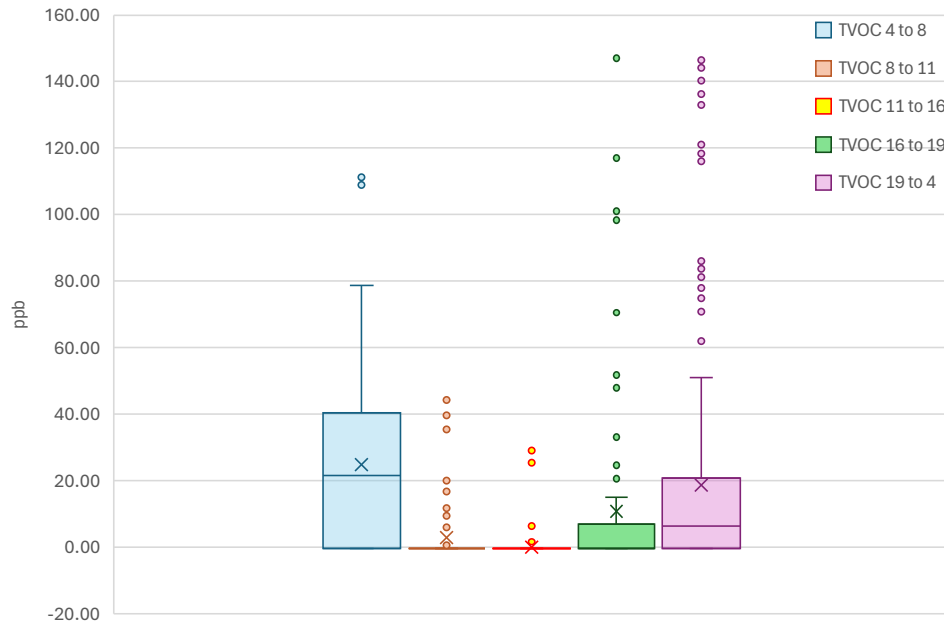
SO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	1.1	0.6	0.2	1.0	0.0	11.1	112
SO2 8 to 11	0.6	0.4	0.1	0.8	-0.1	5.9	84
SO2 11 to 16	0.3	0.2	0.1	0.5	-0.1	4.4	139
SO2 16 to 19	1.3	0.6	0.2	1.0	0.0	15.3	84
SO2 19 to 4	0.8	0.4	0.2	0.9	0.0	17.6	252

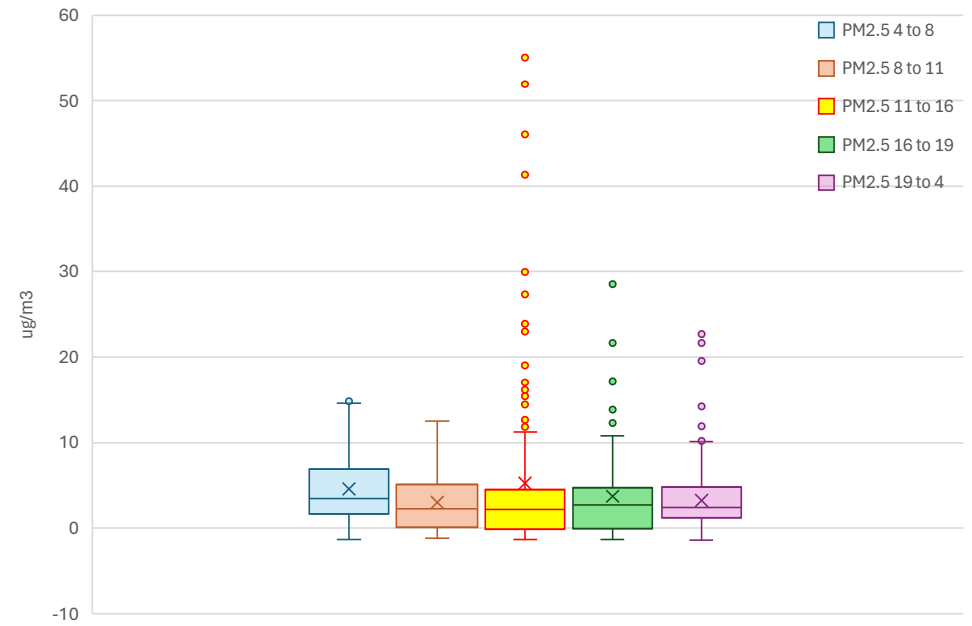
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	24.9	21.5	-0.5	42.0	-0.5	111.3	112
TVOC 8 to 11	2.9	-0.5	-0.5	-0.5	-0.5	44.2	84
TVOC 11 to 16	0.0	-0.5	-0.5	-0.5	-0.5	29.1	140
TVOC 16 to 19	10.8	-0.4	-0.5	6.9	-0.5	147.0	84
TVOC 19 to 4	18.7	6.5	-0.5	21.2	-0.5	147.5	252

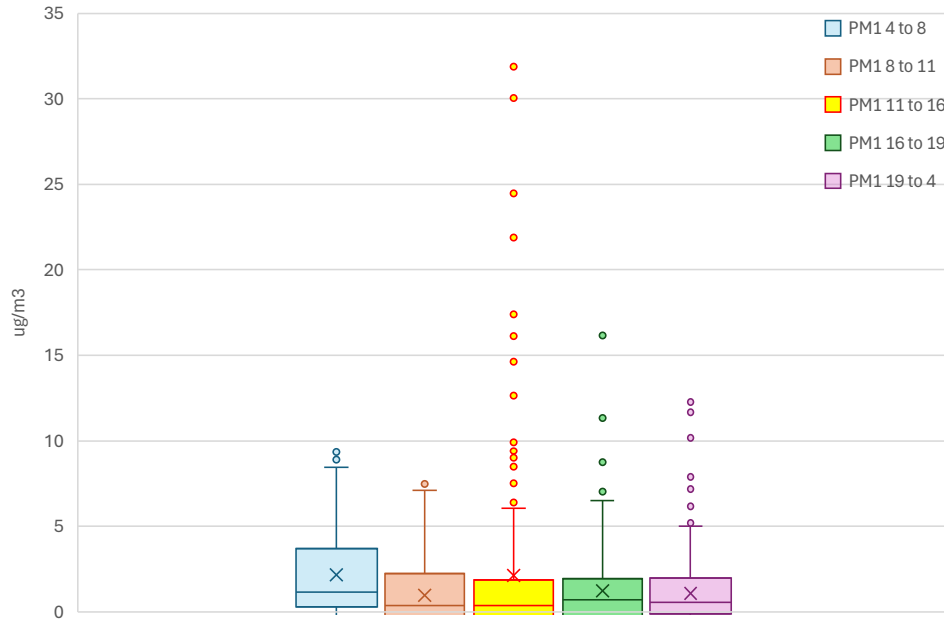
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	4.6	3.4	1.7	6.9	-1.3	14.8	112
PM2.5 8 to 11	3.0	2.3	0.1	5.2	-1.2	12.5	84
PM2.5 11 to 16	5.2	2.2	-0.1	4.6	-1.3	55.1	140
PM2.5 16 to 19	3.7	2.7	-0.1	4.7	-1.3	28.6	84
PM2.5 19 to 4	3.3	2.4	1.2	4.8	-1.4	22.7	252

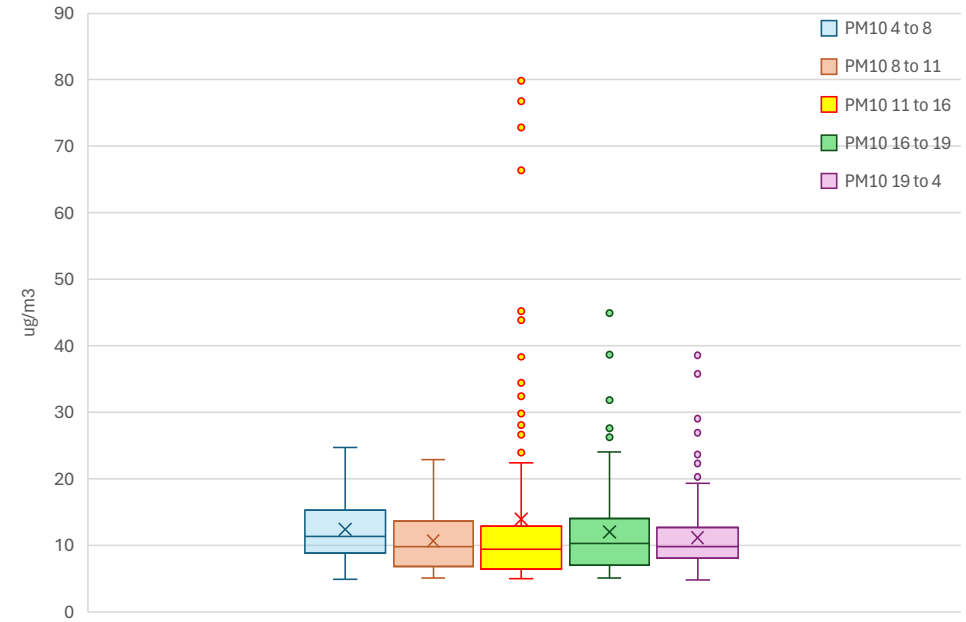
Hourly concentration distribution

PM1 hourly distribution



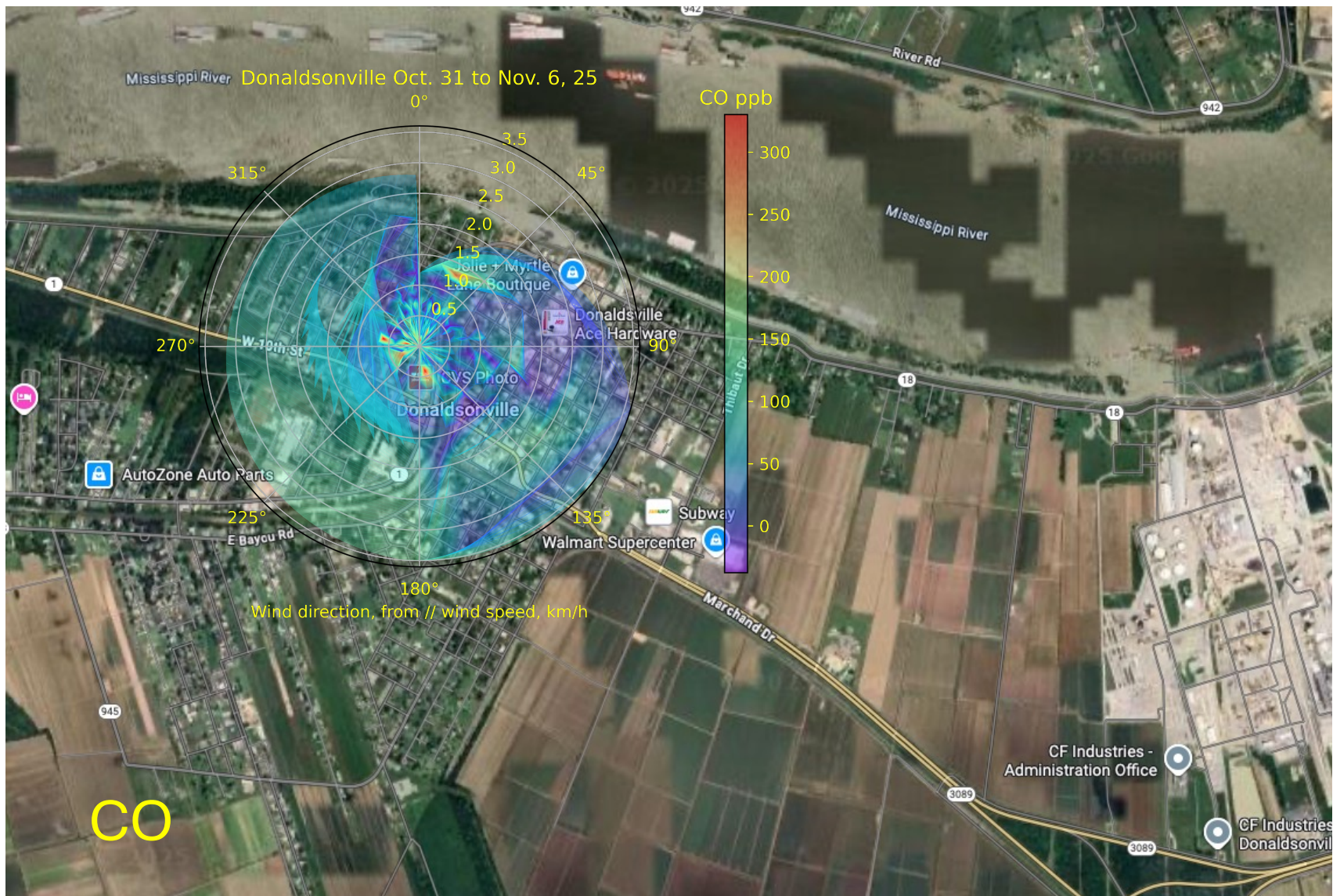
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	2.2	1.2	0.3	3.7	-1.8	9.6	112
PM1 8 to 11	1.0	0.4	-1.1	2.2	-1.8	7.5	84
PM1 11 to 16	2.1	0.4	-1.1	1.9	-1.9	31.9	140
PM1 16 to 19	1.2	0.7	-1.2	2.0	-1.8	16.2	84
PM1 19 to 4	1.1	0.6	-0.1	2.0	-1.9	12.3	252

PM10 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	12.4	11.3	8.8	15.3	4.9	24.7	112
PM10 8 to 11	10.7	9.9	6.9	13.6	5.1	22.9	84
PM10 11 to 16	13.9	9.5	6.5	12.9	5.0	79.9	140
PM10 16 to 19	12.0	10.3	7.1	14.0	5.1	44.9	84
PM10 19 to 4	11.1	9.8	8.0	12.7	4.8	39.2	252

PM₁ data is not referenced and calibrated against regulatory monitor



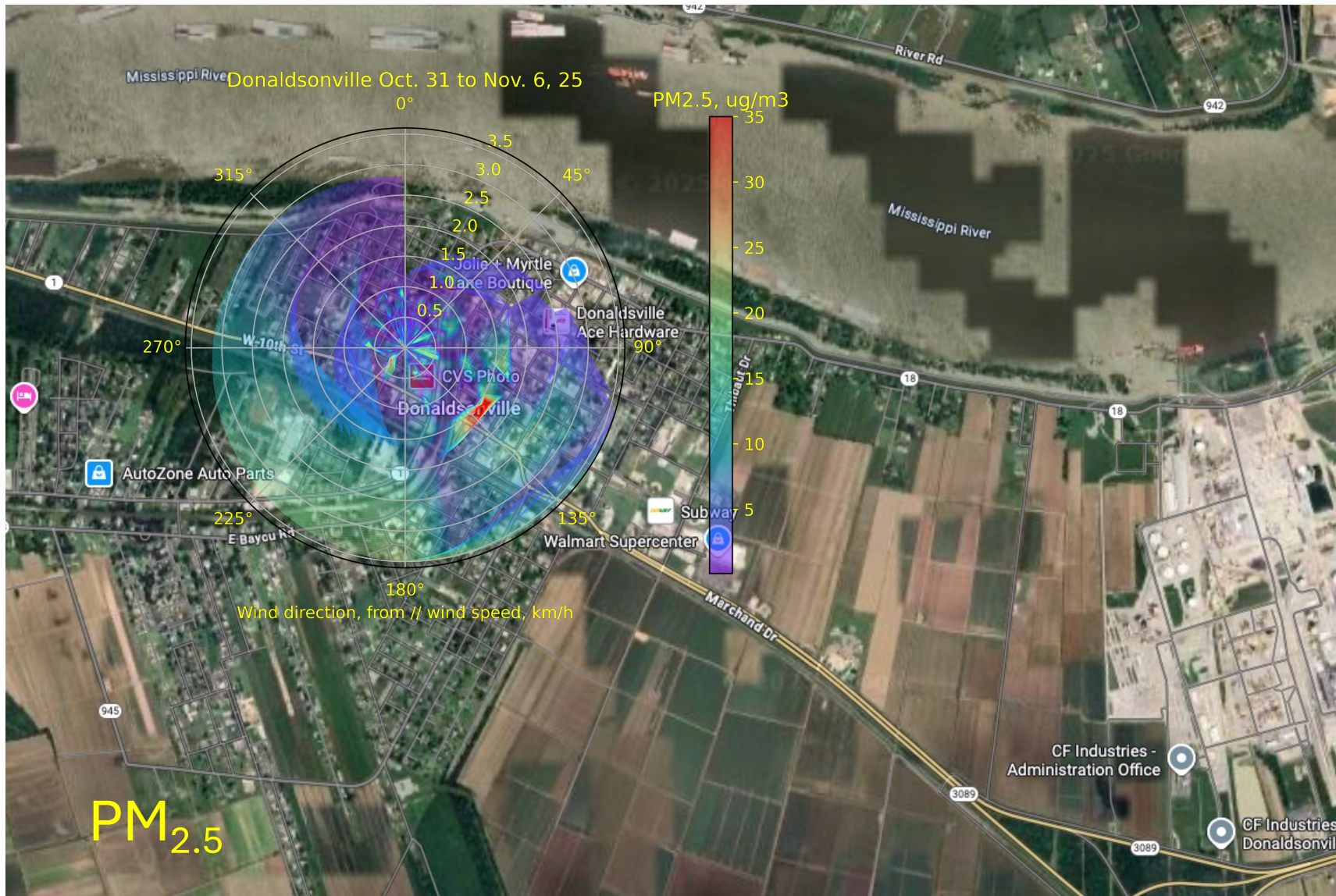




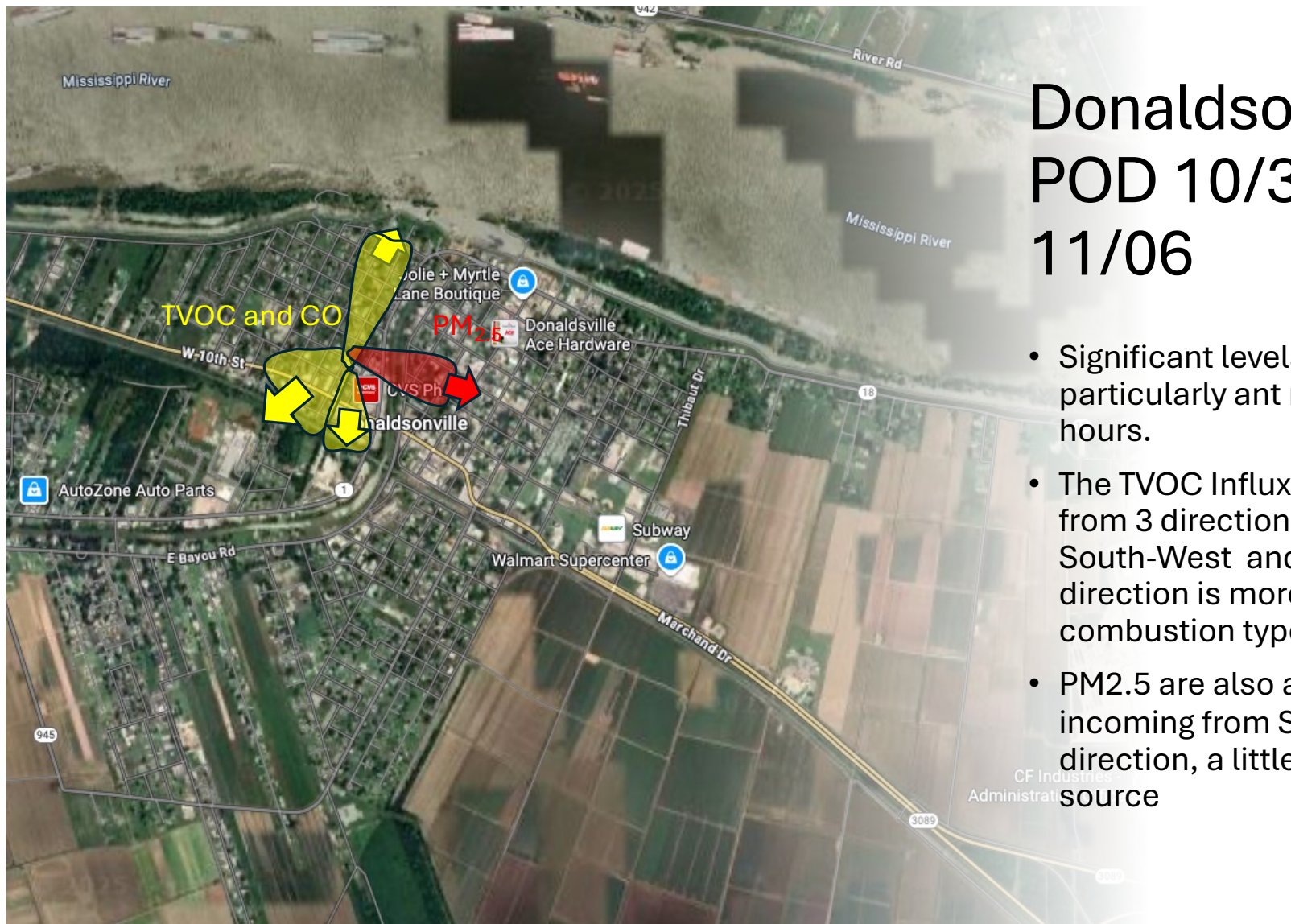












Donaldsonville POD 10/31- 11/06

- Significant levels of TVOC, particularly ant nighttime hours.
- The TVOC Influx is directional from 3 directions: South, South-West and North. North direction is more of combustion type
- PM2.5 are also at times high, incoming from South-East direction, a little more distant source