

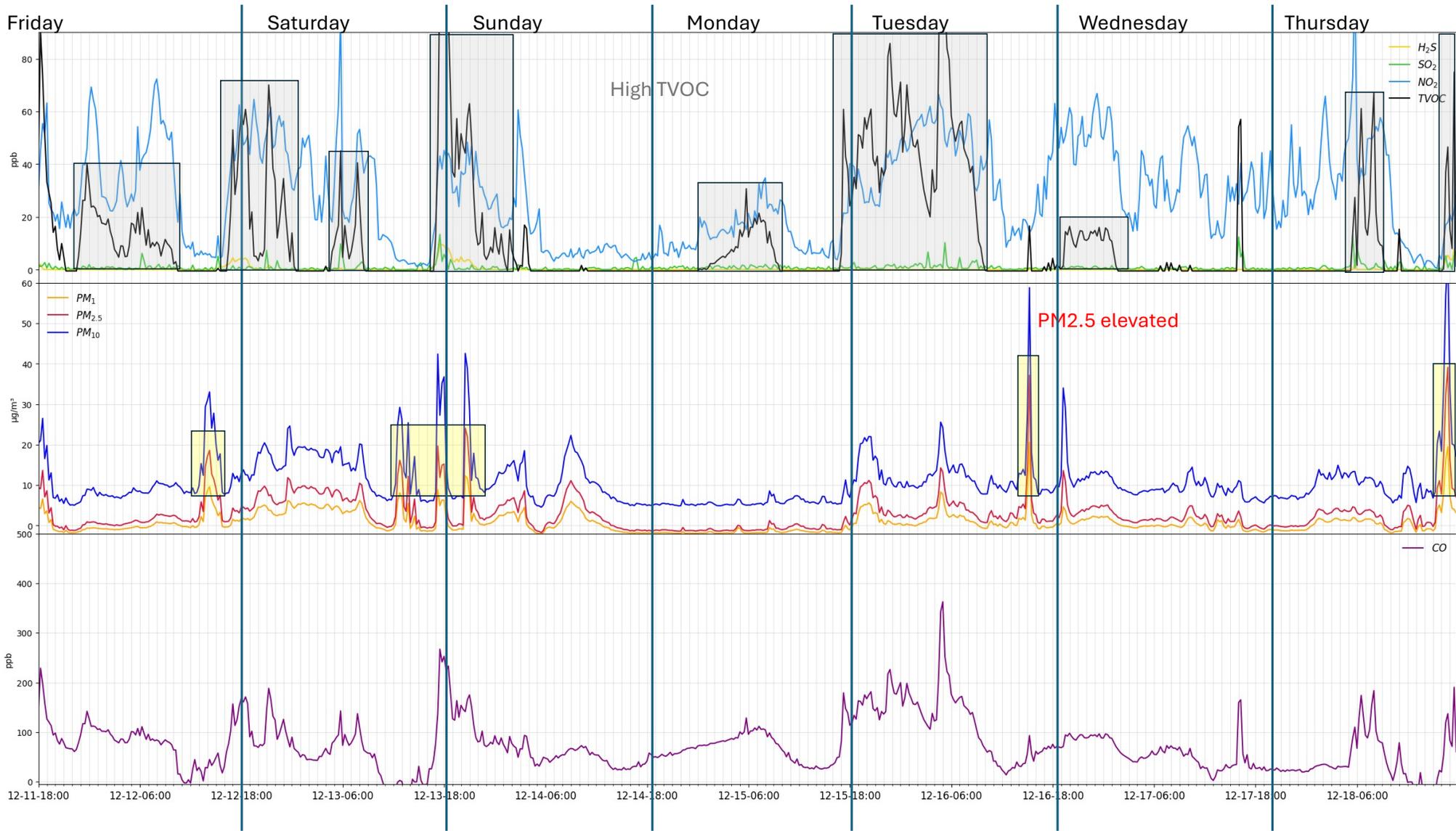
Donaldsonville POD

December 12 – December 18, 2025

Disclaimer

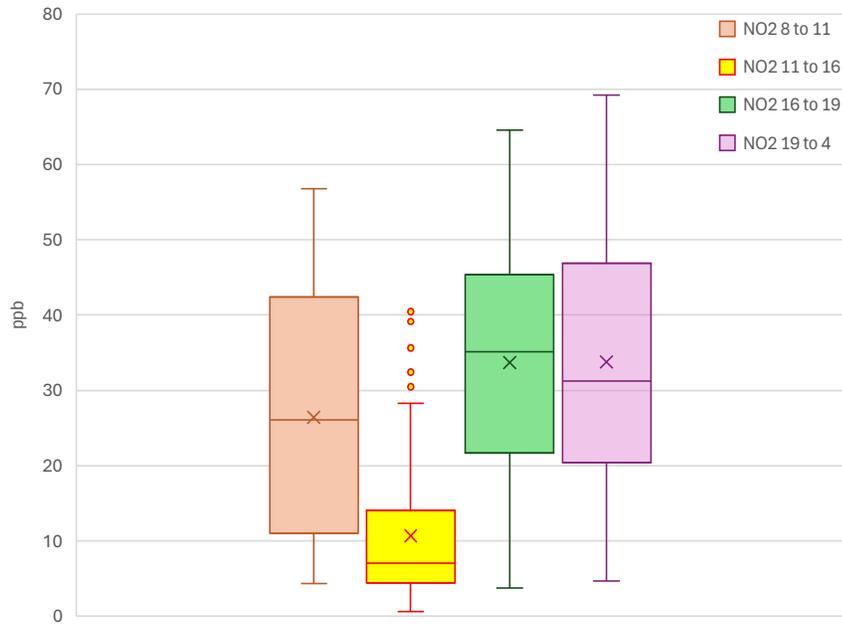
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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

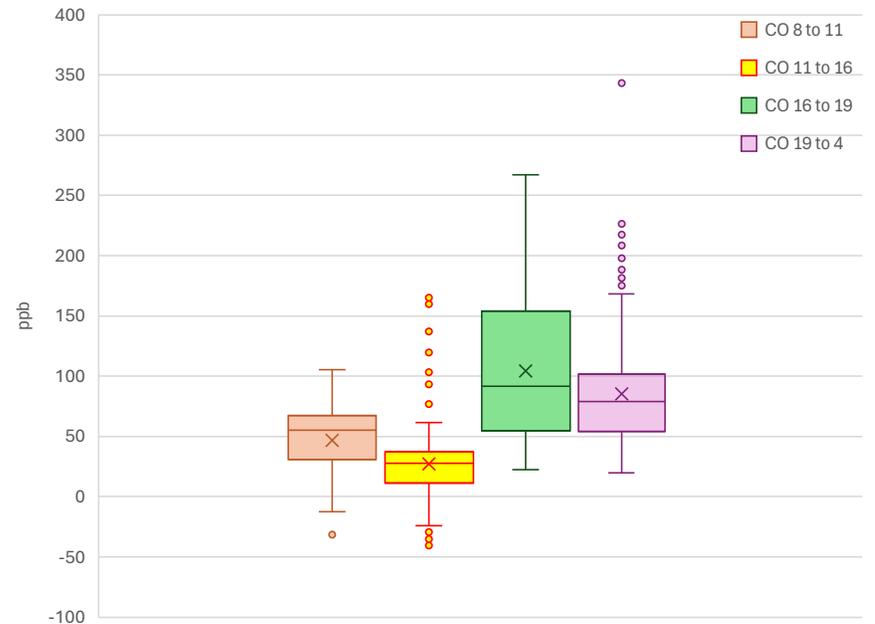


Hourly concentration distribution

NO2 hourly distribution



CO hourly distribution

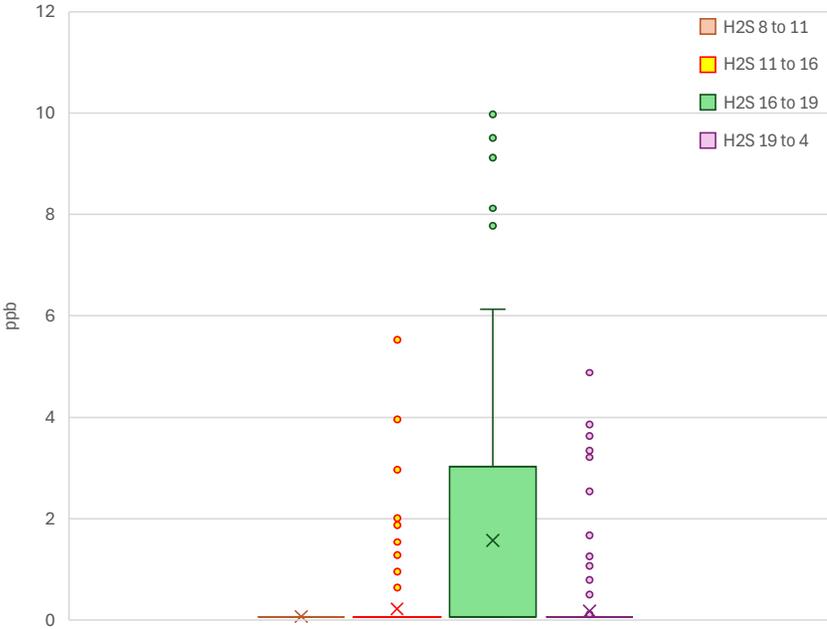


ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	28.4	26.1	12.3	43.4	0.6	112.1	672
NO2 8 to 11	26.4	26.1	11.0	42.4	4.3	56.8	84
NO2 11 to 16	10.6	7.0	4.4	14.1	0.6	40.4	140
NO2 16 to 19	33.7	35.1	21.6	45.3	3.7	64.6	84
NO2 19 to 4	33.8	31.2	20.3	46.9	4.7	69.2	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	72.8	66.4	33.8	94.8	-40.4	362.7	672
CO 8 to 11	46.7	54.9	31.0	67.2	-31.4	105.1	84
CO 11 to 16	27.3	27.9	11.4	37.2	-40.4	165.2	140
CO 16 to 19	104.5	91.4	54.7	153.9	22.4	267.2	84
CO 19 to 4	85.3	78.7	53.6	101.9	19.6	343.0	252

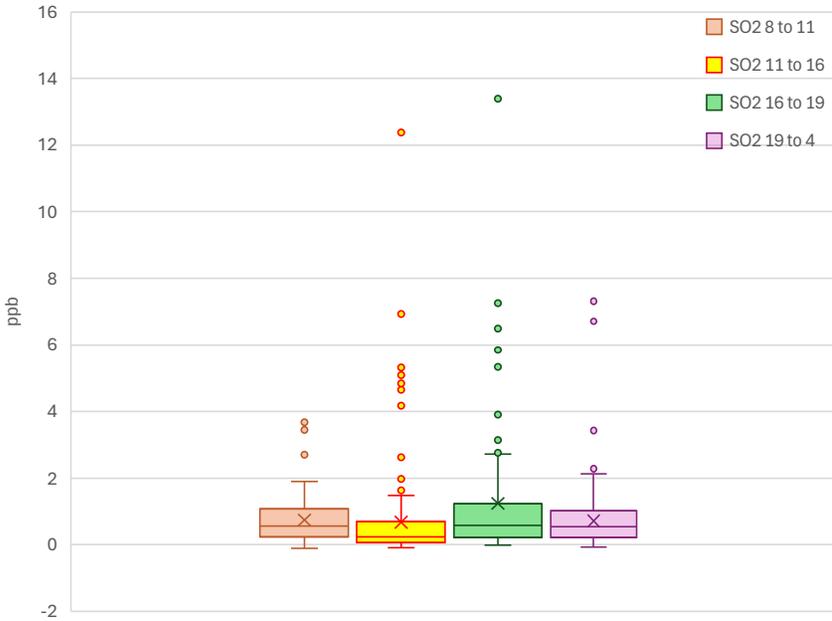
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.3	0.1	0.1	0.1	0.1	10.0	672
H2S 8 to 11	0.1	0.1	0.1	0.1	0.1	0.1	84
H2S 11 to 16	0.2	0.1	0.1	0.1	0.1	5.5	140
H2S 16 to 19	1.6	0.1	0.1	3.0	0.1	10.0	84
H2S 19 to 4	0.2	0.1	0.1	0.1	0.1	4.9	252

SO2 hourly distribution

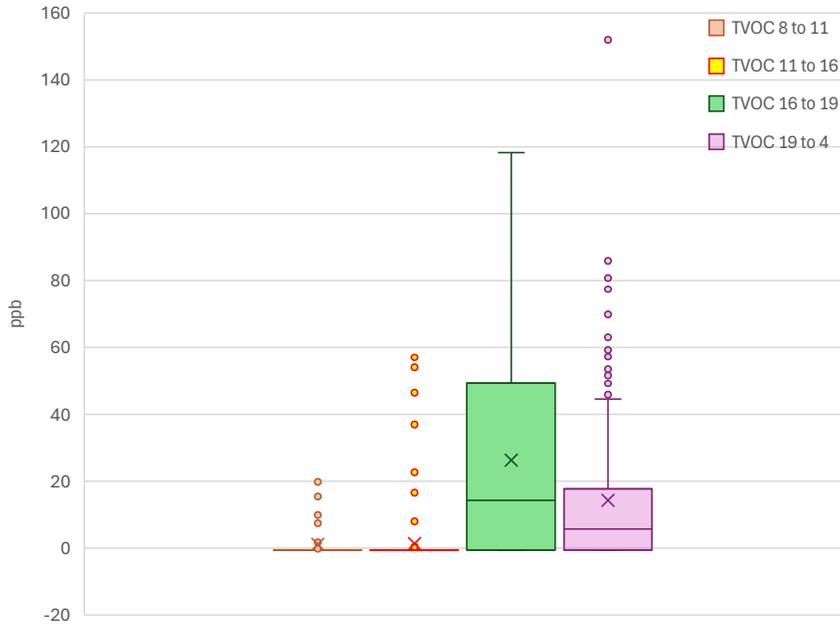


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	0.9	0.5	0.2	1.0	-0.1	13.4	672
SO2 8 to 11	0.7	0.6	0.2	1.1	-0.1	3.7	84
SO2 11 to 16	0.7	0.2	0.1	0.7	-0.1	12.4	140
SO2 16 to 19	1.2	0.6	0.2	1.2	0.0	13.4	84
SO2 19 to 4	0.7	0.5	0.2	1.0	-0.1	7.3	252

H₂S data is not referenced and calibrated against regulatory monitor

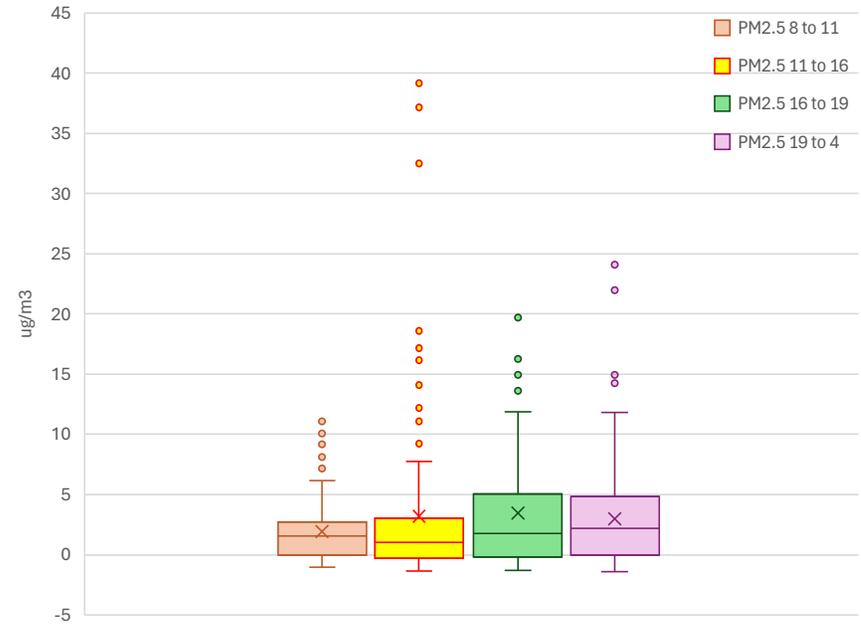
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	12.1	-0.5	-0.5	15.2	-0.5	162.8	672
TVOC 8 to 11	1.2	-0.5	-0.5	-0.5	-0.5	19.9	84
TVOC 11 to 16	1.3	-0.5	-0.5	-0.5	-0.5	57.0	140
TVOC 16 to 19	26.4	14.3	-0.5	49.4	-0.5	118.2	84
TVOC 19 to 4	14.2	5.6	-0.5	17.9	-0.5	152.0	252

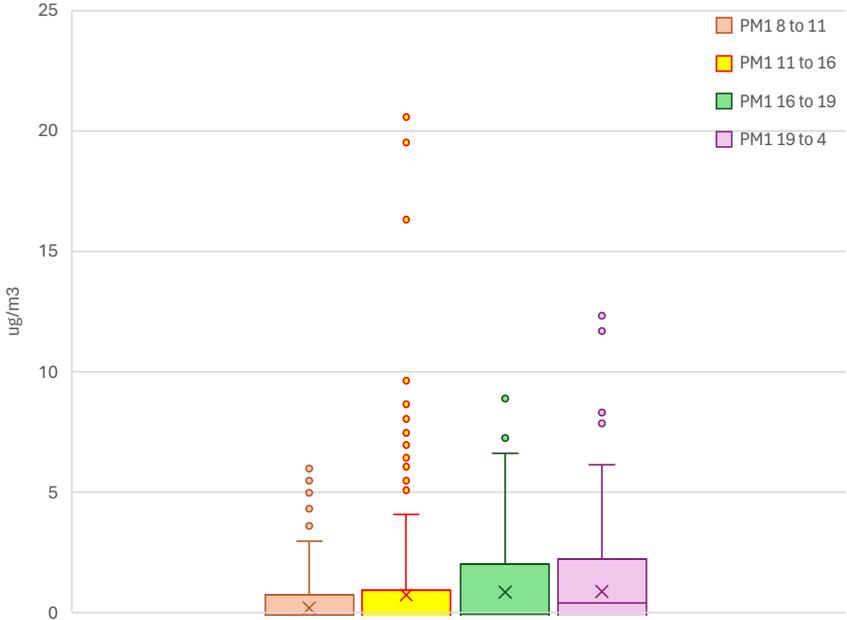
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	3.0	1.8	-0.1	4.4	-1.8	39.1	672
PM2.5 8 to 11	1.9	1.5	0.0	2.8	-1.0	11.1	84
PM2.5 11 to 16	3.2	1.1	-0.3	3.0	-1.4	39.1	140
PM2.5 16 to 19	3.5	1.8	-0.2	5.0	-1.3	19.7	84
PM2.5 19 to 4	3.0	2.2	0.0	4.9	-1.4	24.1	252

Hourly concentration distribution

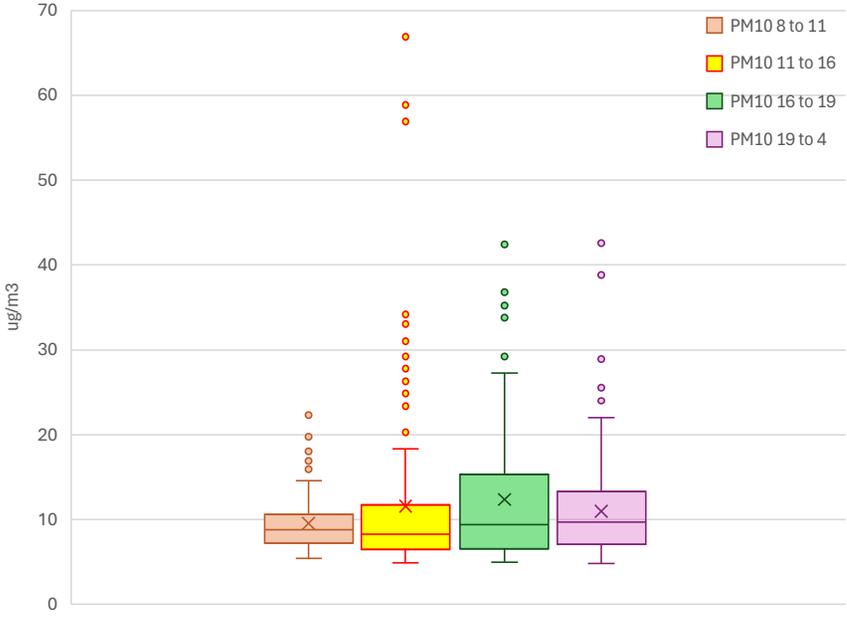
PM1 hourly distribution



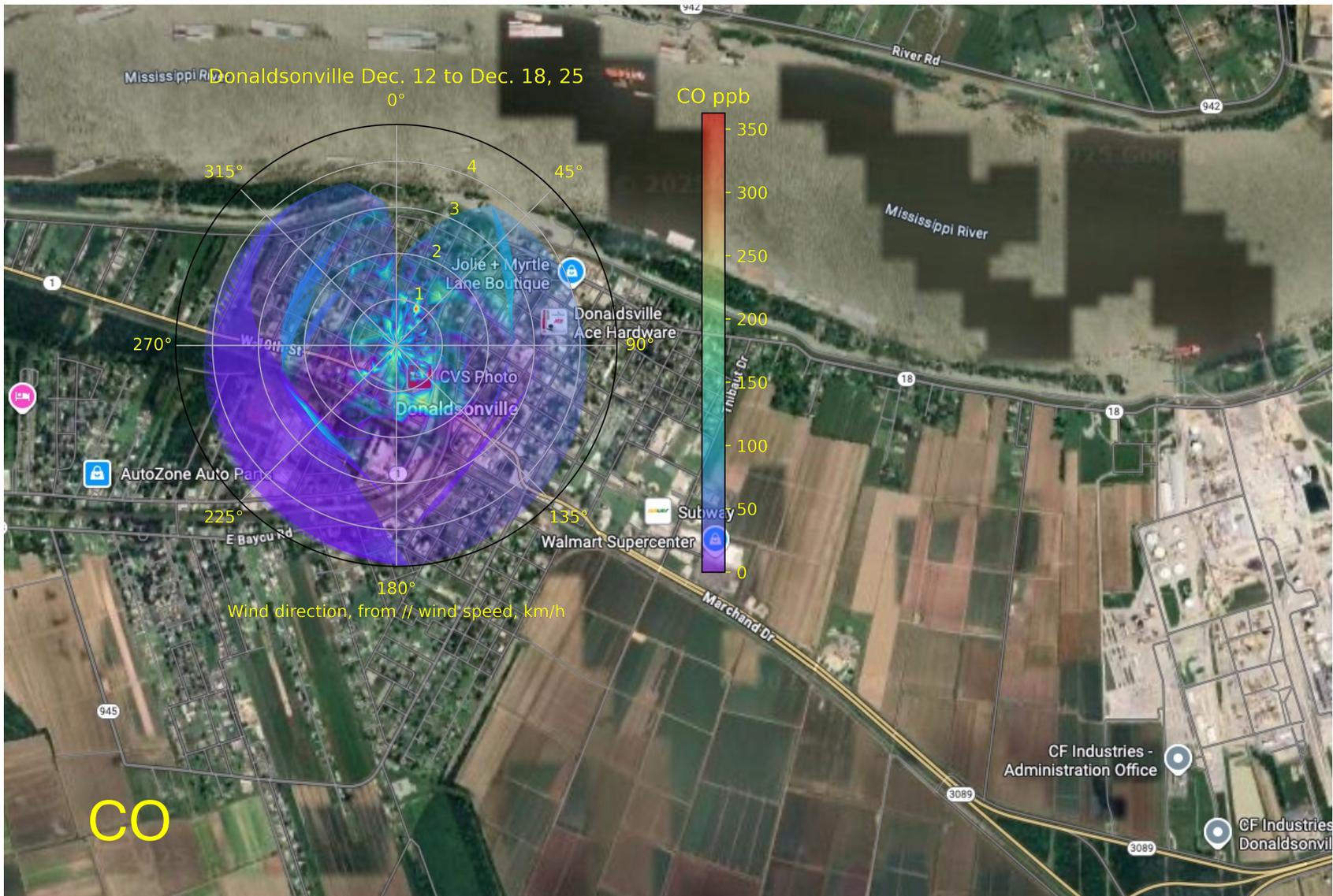
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM14 to 8	0.8	0.1	-1.1	1.7	-2.2	20.6	672
PM18 to 11	0.2	-0.1	-1.1	0.7	-1.8	6.0	84
PM111 to 16	0.7	-0.4	-1.3	0.9	-1.9	20.6	140
PM116 to 19	0.8	-0.1	-1.1	2.0	-1.9	8.9	84
PM119 to 4	0.9	0.4	-1.1	2.2	-1.9	12.3	252

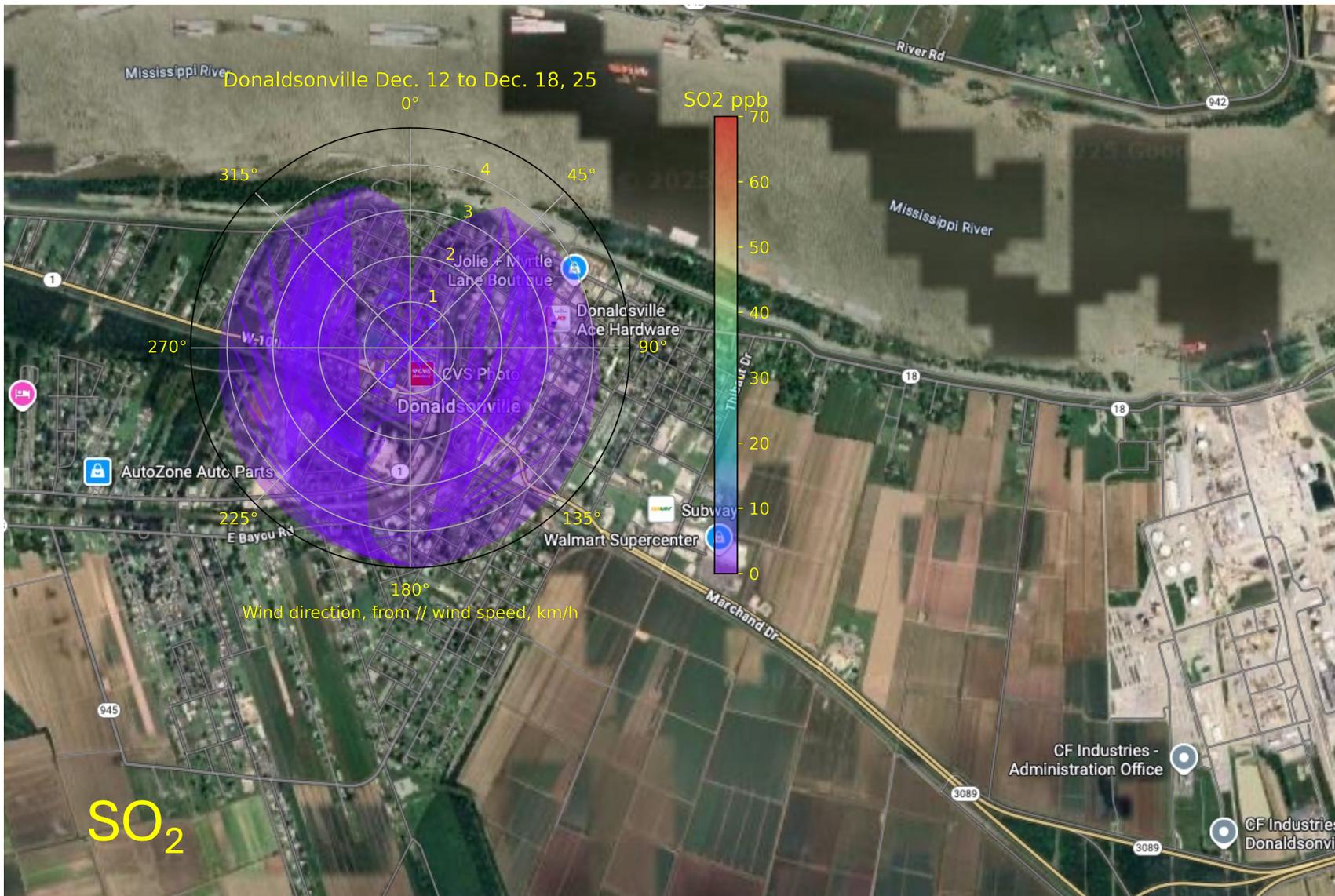
PM₁ data is not referenced and calibrated against regulatory monitor

PM10 hourly distribution

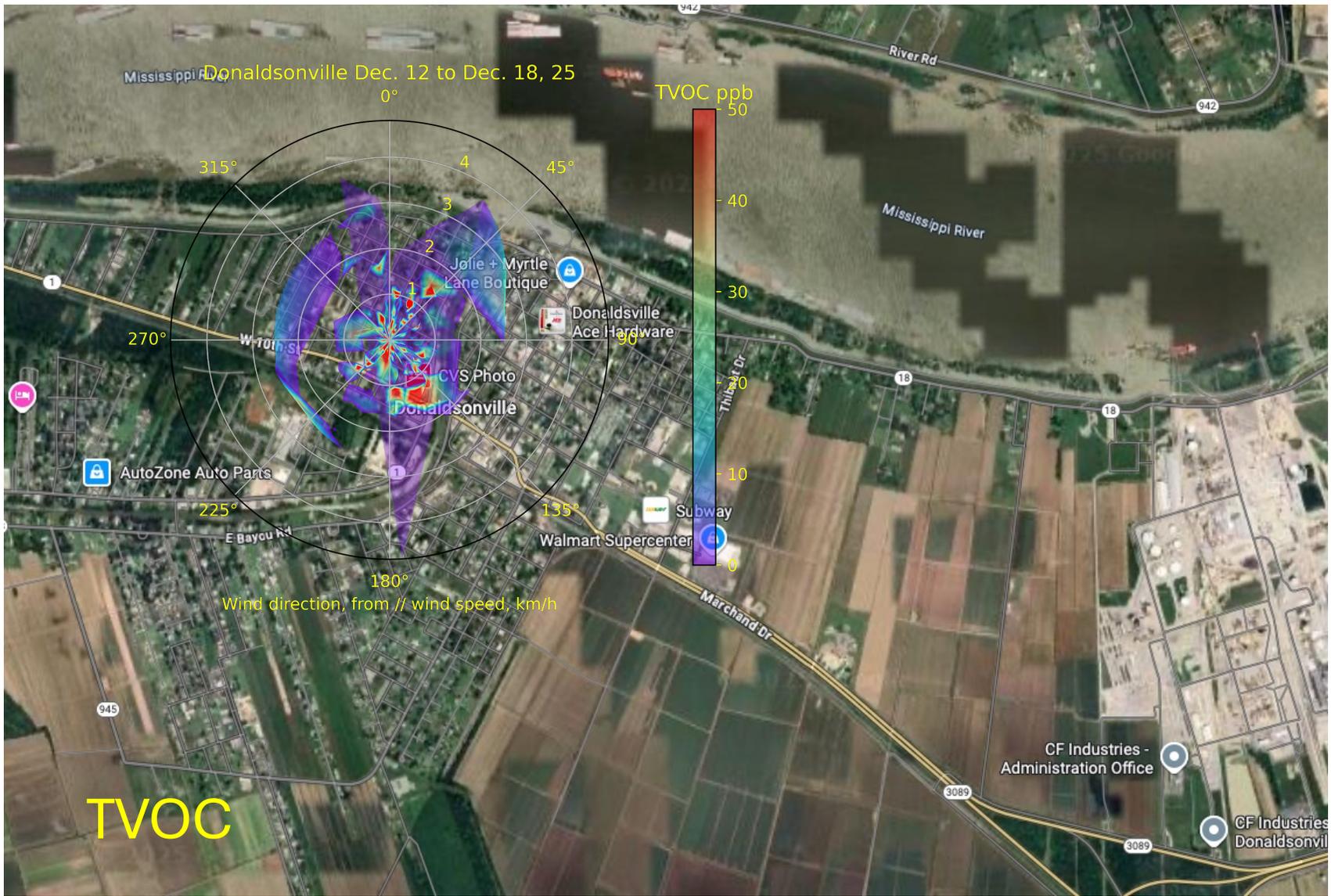


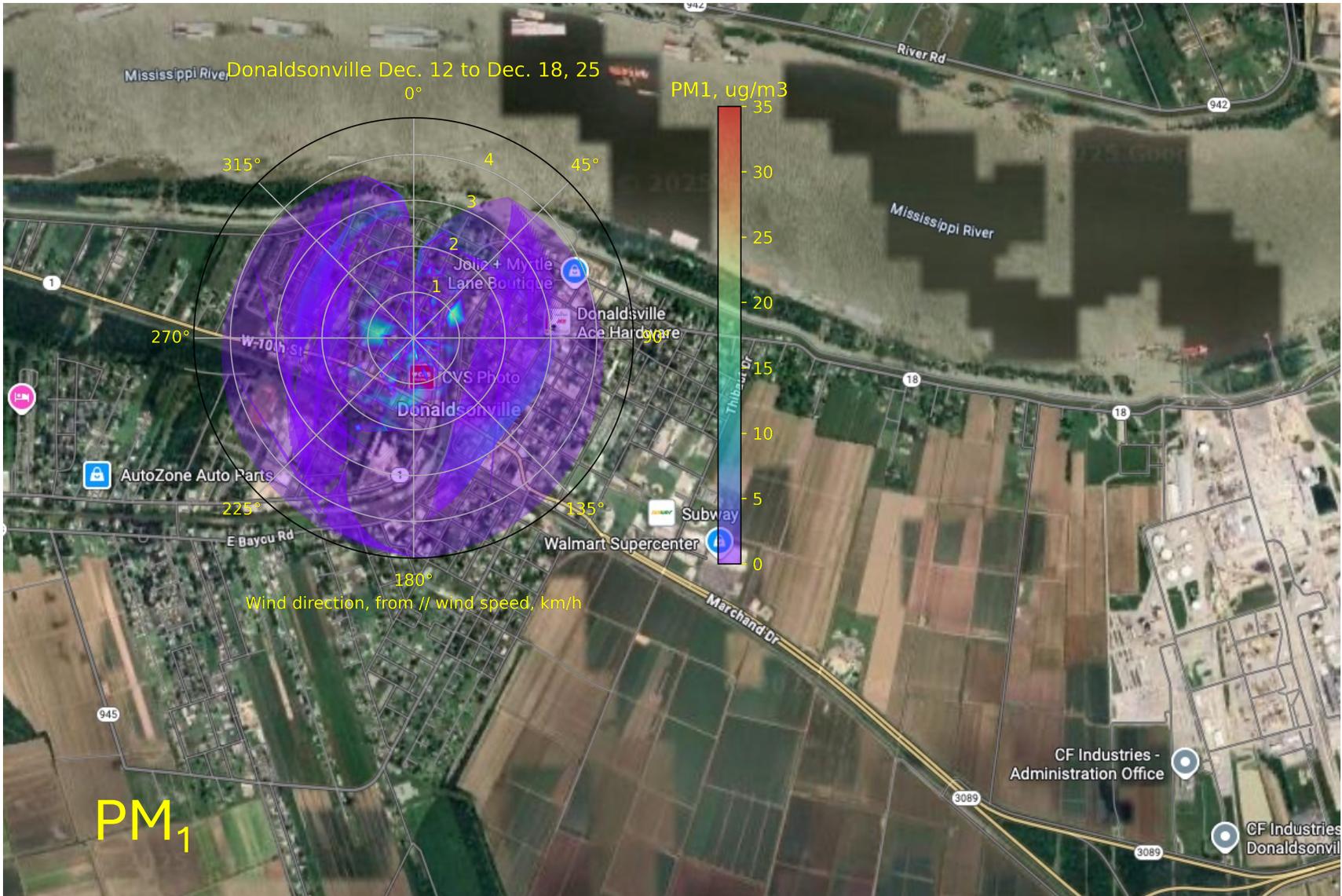
ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM104 to 8	11.1	9.4	7.0	12.9	4.5	66.9	672
PM108 to 11	9.5	8.8	7.3	10.6	5.4	22.3	84
PM1011 to 16	11.6	8.3	6.5	11.7	4.9	66.9	140
PM1016 to 19	12.4	9.4	6.5	15.3	5.0	42.4	84
PM1019 to 4	11.0	9.7	7.1	13.4	4.9	42.6	252



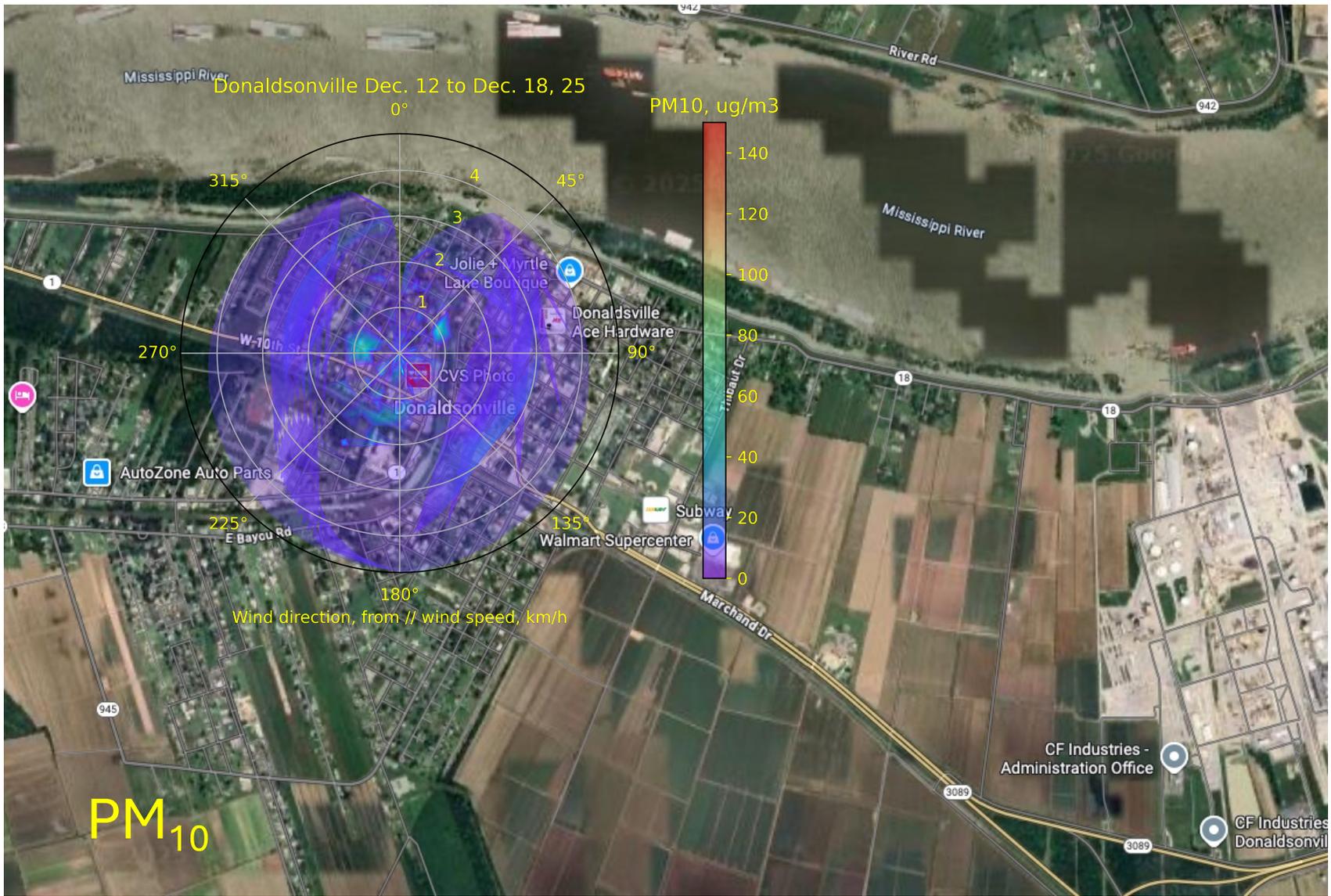












Donaldsonville POD 12/12- 12/18



- TVOCs from 3 directions: South-East, a strong source contributing to high nighttime average concentration. North direction is also prominent with accompanying $PM_{2.5}$. Minor contribution from South-West
- West winds also associated with $PM_{2.5}$ elevation