

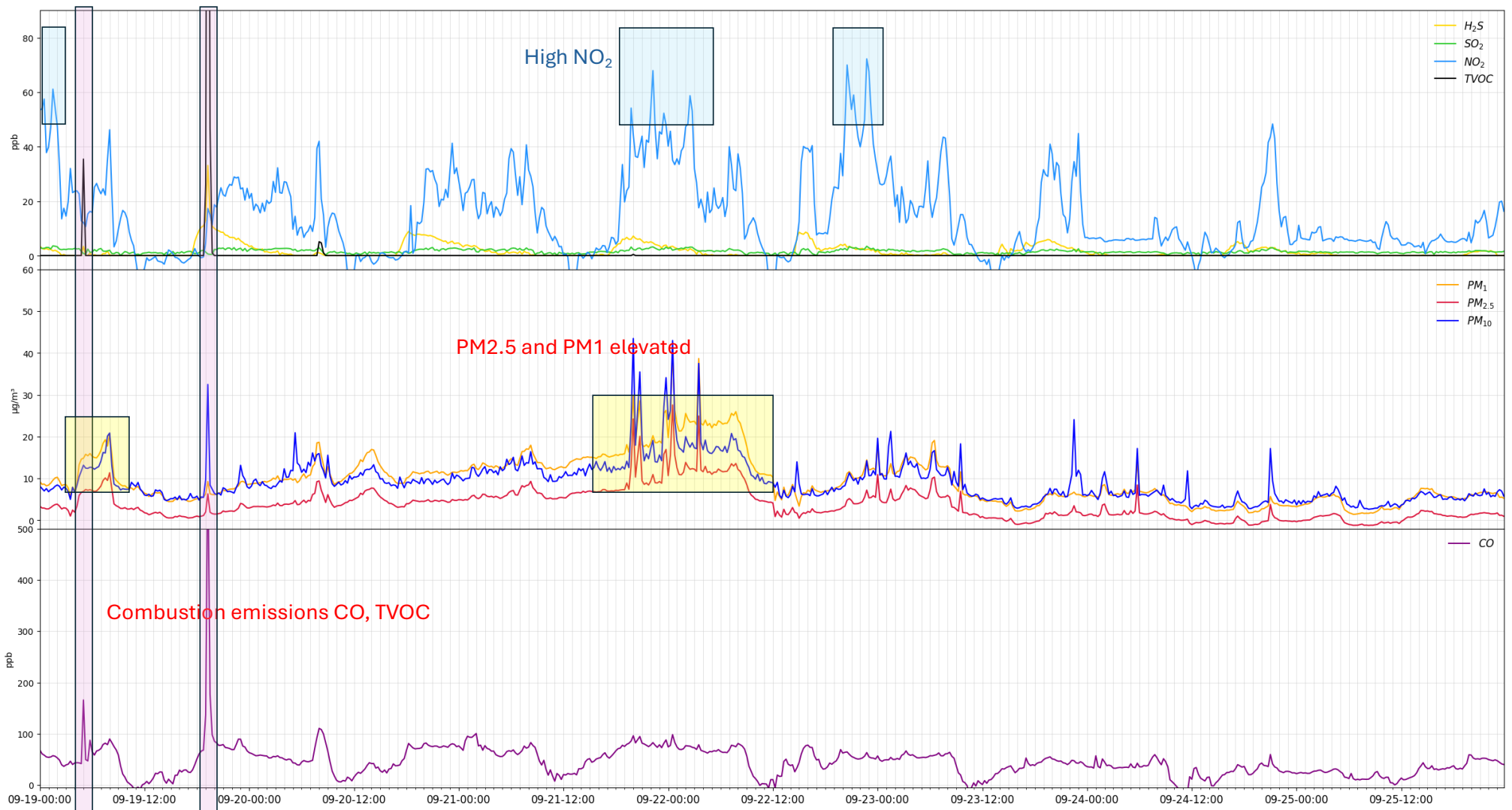
St James POD

September 19-25, 2025

Disclaimer

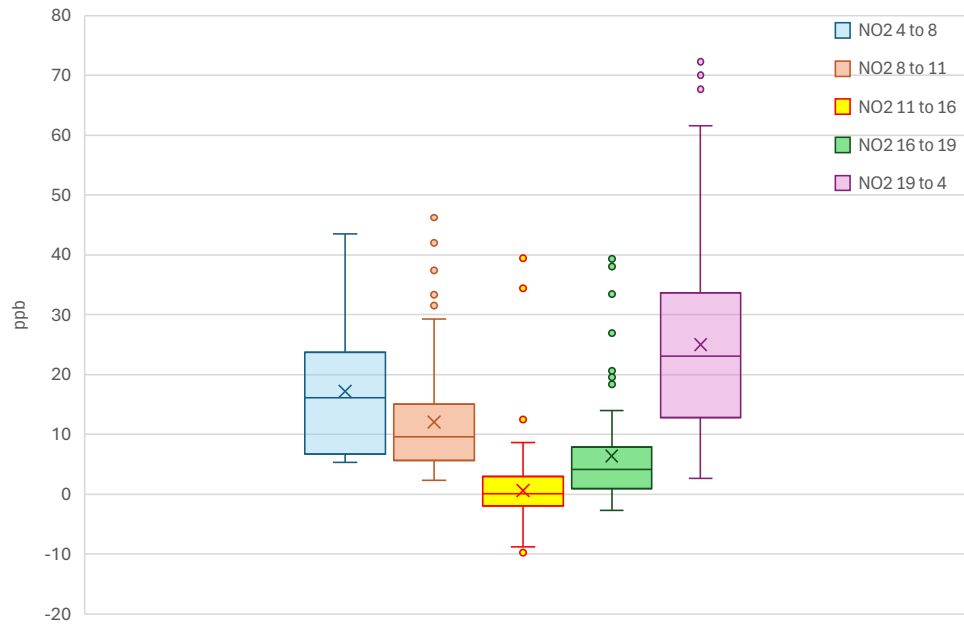
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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



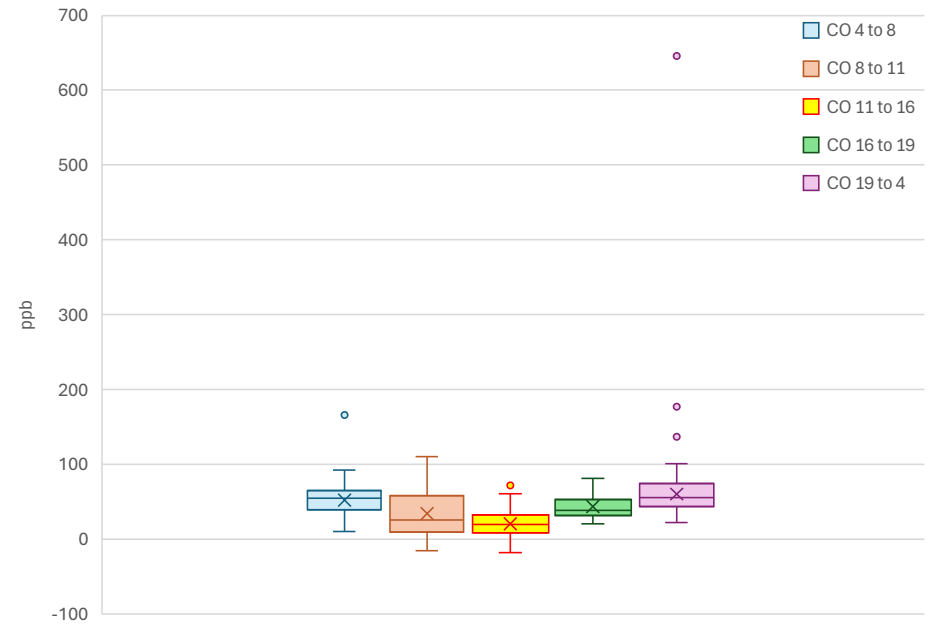
Hourly concentration distribution

NO2 hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	17.2	16.1	6.7	23.8	5.3	43.5	112
NO2 8 to 11	12.1	9.7	5.6	15.1	2.3	46.2	84
NO2 11 to 16	0.7	0.1	-2.0	3.0	-9.7	40.1	140
NO2 16 to 19	6.4	4.2	1.0	7.9	-2.6	40.4	84
NO2 19 to 4	25.0	23.1	12.8	33.8	2.7	72.2	252

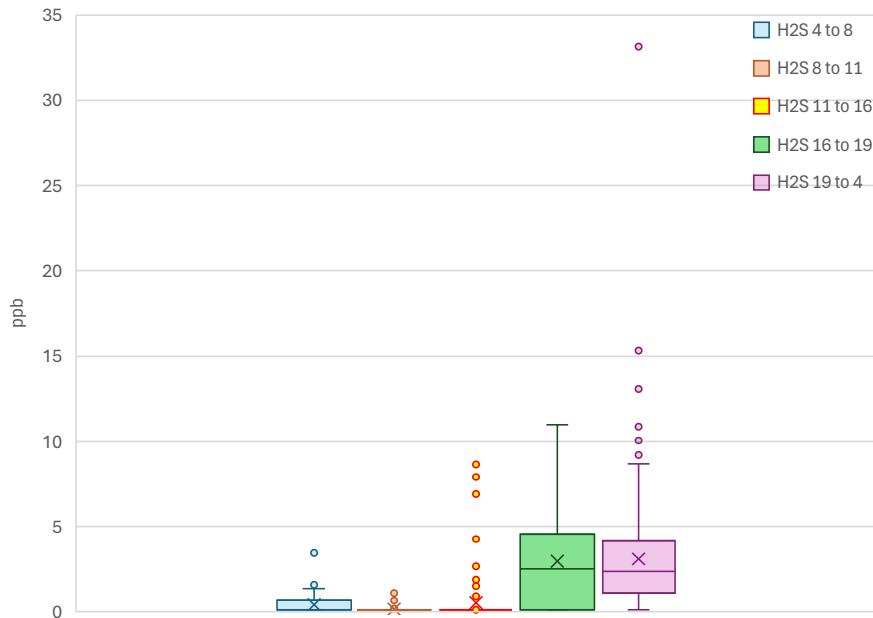
CO hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	52.3	54.8	39.3	65.3	10.3	165.9	112
CO 8 to 11	34.2	25.6	9.3	58.3	-15.7	110.7	84
CO 11 to 16	20.7	19.7	8.6	32.2	-18.3	76.8	140
CO 16 to 19	43.5	38.2	31.5	53.5	20.4	81.3	84
CO 19 to 4	60.3	55.6	43.2	74.4	22.4	645.4	252

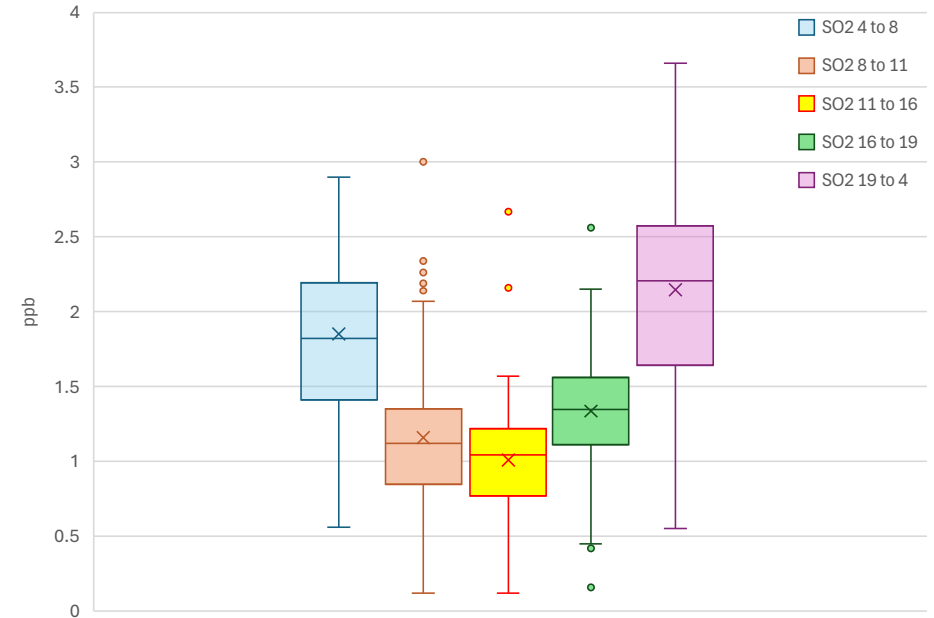
Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.4	0.1	0.1	0.7	0.1	3.5	112
H2S 8 to 11	0.2	0.1	0.1	0.1	0.1	1.1	84
H2S 11 to 16	0.5	0.1	0.1	0.1	0.1	8.7	140
H2S 16 to 19	3.0	2.5	0.1	4.7	0.1	11.0	84
H2S 19 to 4	3.1	2.4	1.1	4.2	0.1	33.1	252

SO2 hourly distribution

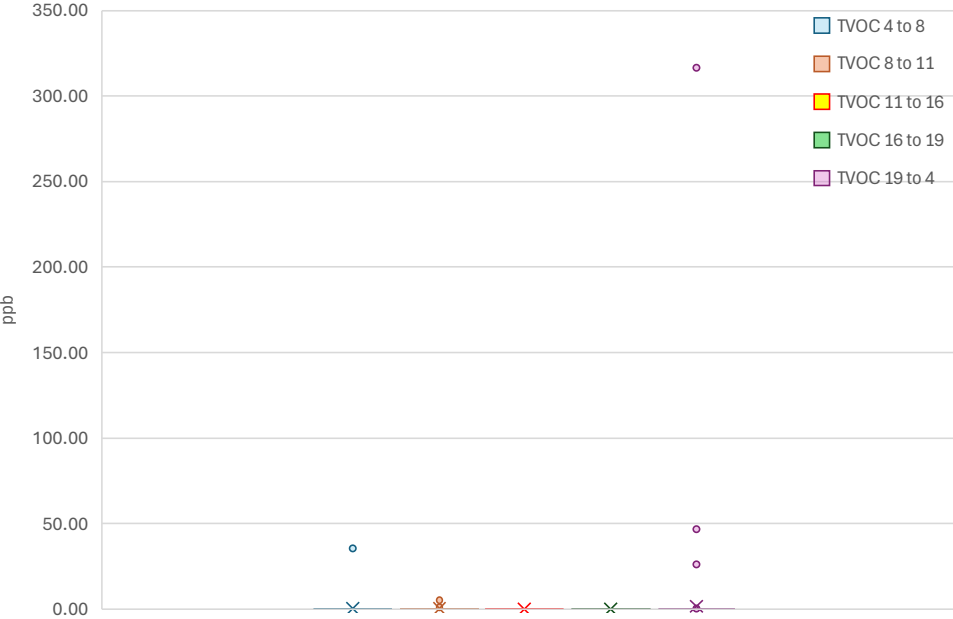


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	1.9	1.8	1.4	2.2	0.6	2.9	112
SO2 8 to 11	1.2	1.1	0.8	1.4	0.1	3.0	84
SO2 11 to 16	1.0	1.0	0.8	1.2	0.1	2.7	140
SO2 16 to 19	1.3	1.3	1.1	1.6	0.2	2.6	84
SO2 19 to 4	2.1	2.2	1.6	2.6	0.6	3.7	252

H₂S data is not referenced and calibrated against regulatory monitor

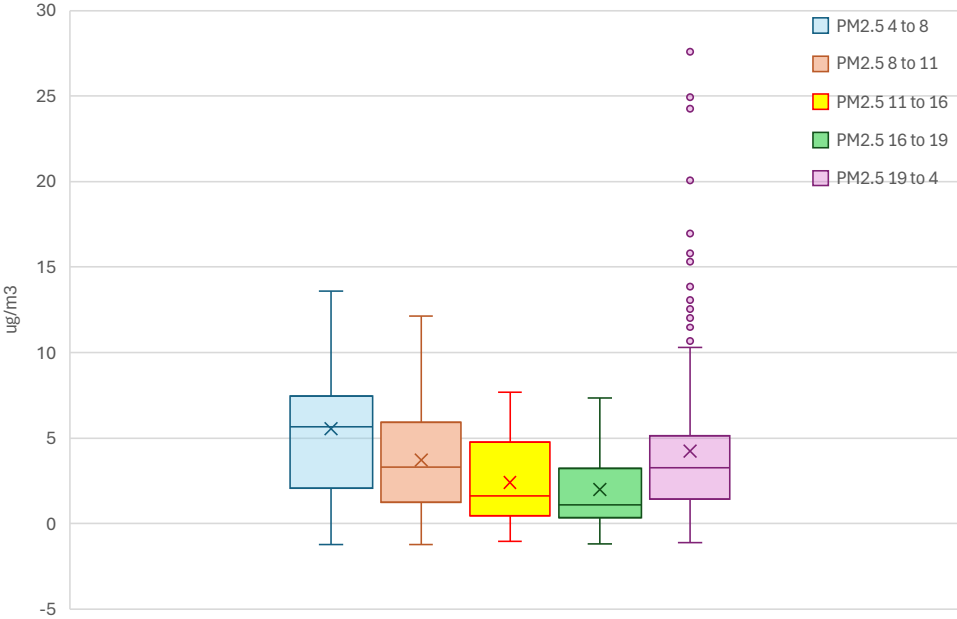
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	0.4	0.1	0.1	0.1	0.1	35.5	112
TVOC 8 to 11	0.2	0.1	0.1	0.1	0.1	5.2	84
TVOC 11 to 16	0.1	0.1	0.1	0.1	0.1	0.1	140
TVOC 16 to 19	0.1	0.1	0.1	0.1	0.1	0.1	84
TVOC 19 to 4	1.7	0.1	0.1	0.1	0.1	316.5	252

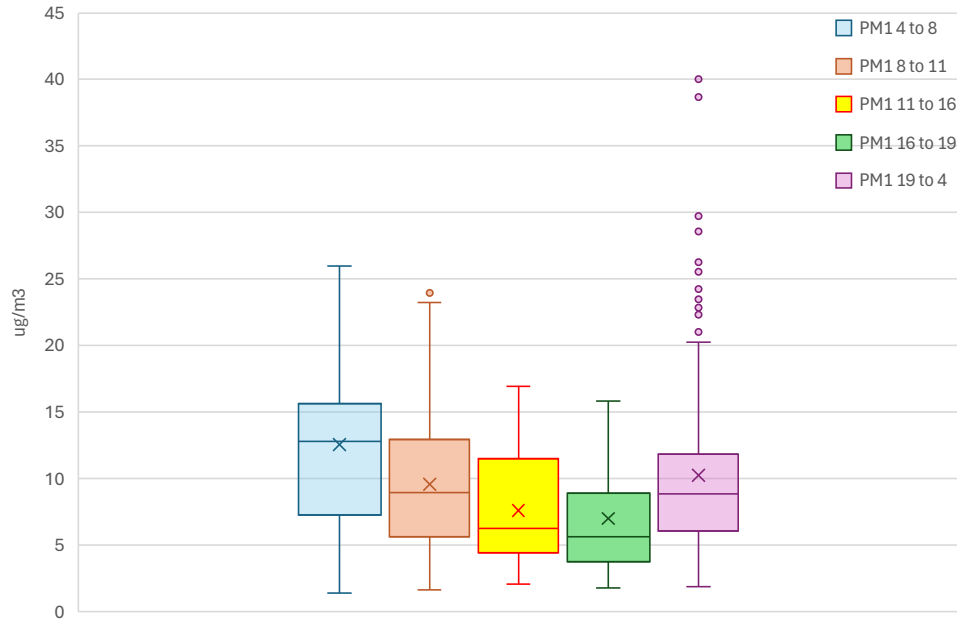
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	5.6	5.7	2.0	7.5	-1.2	13.6	112
PM2.5 8 to 11	3.7	3.3	1.3	5.9	-1.2	12.1	84
PM2.5 11 to 16	2.4	1.6	0.4	4.8	-1.0	7.7	140
PM2.5 16 to 19	2.0	1.1	0.3	3.2	-1.2	7.3	84
PM2.5 19 to 4	4.2	3.3	1.4	5.2	-1.1	27.6	252

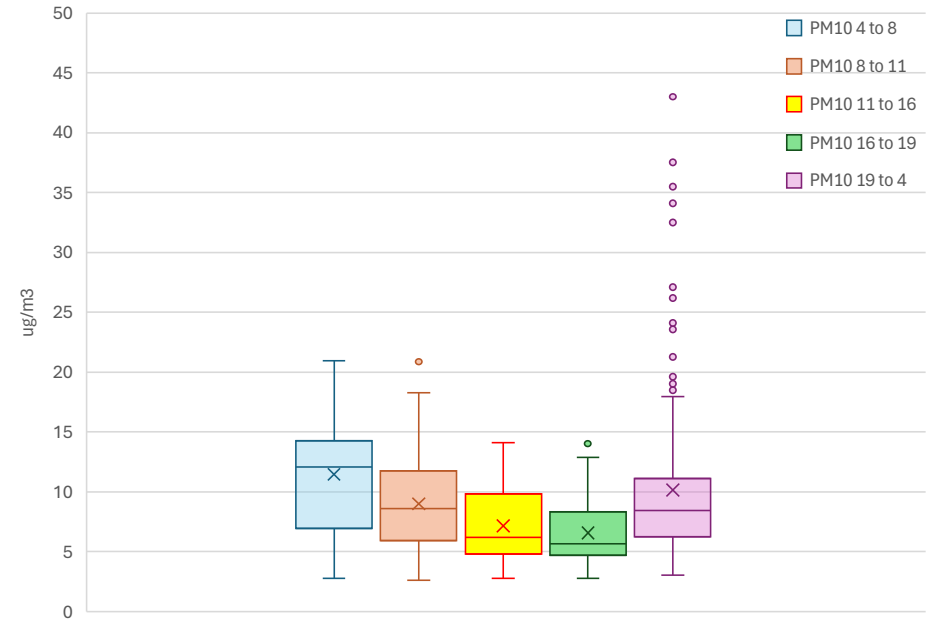
Hourly concentration distribution

PM1 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	12.6	12.8	7.2	15.7	1.4	26.0	112
PM1 8 to 11	9.6	9.0	5.6	12.9	1.7	24.0	84
PM1 11 to 16	7.6	6.3	4.4	11.5	2.1	16.9	140
PM1 16 to 19	7.0	5.6	3.8	8.9	1.8	15.8	84
PM1 19 to 4	10.2	8.9	6.1	11.8	1.9	40.0	252

PM10 hourly distribution

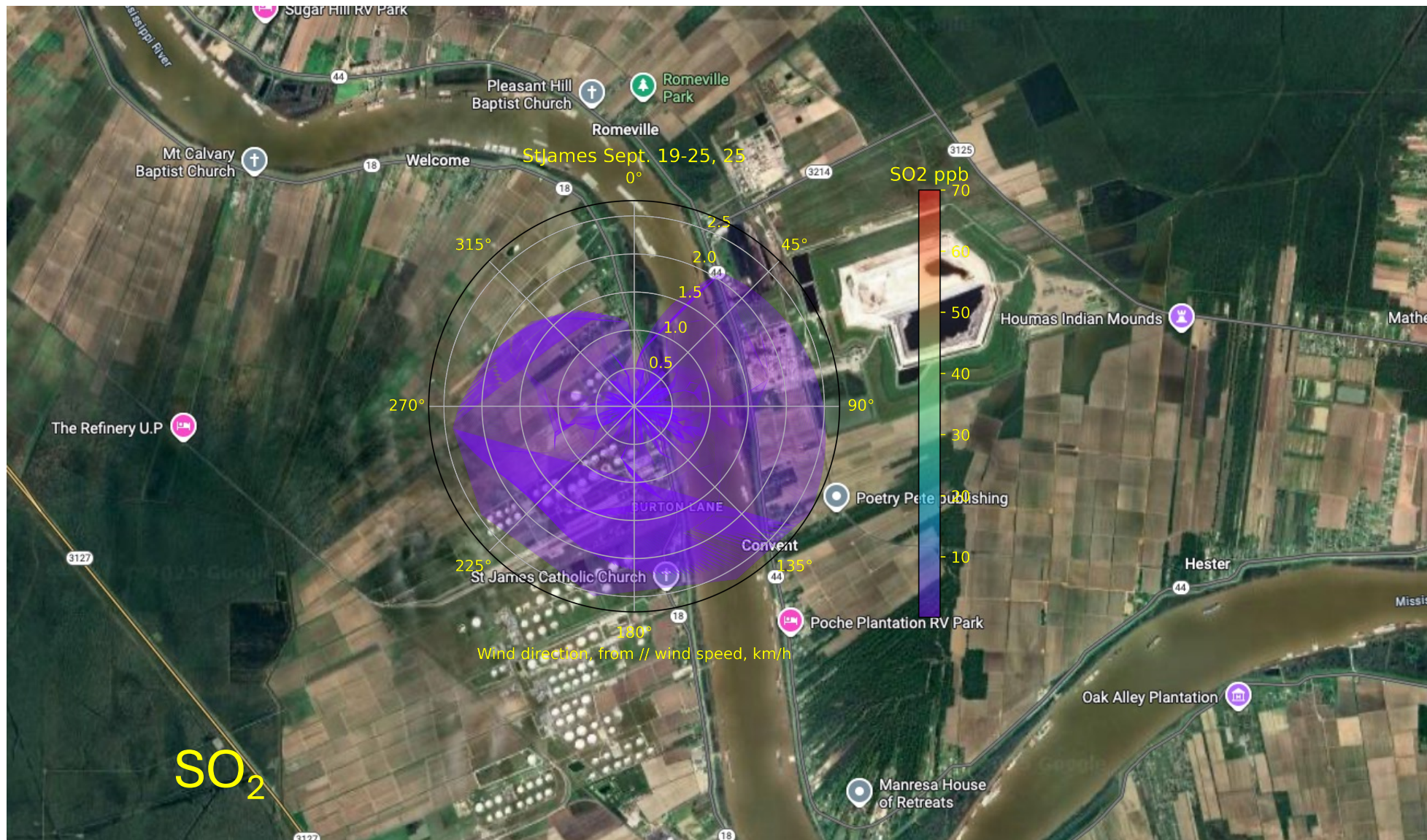


ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	11.5	12.1	6.9	14.5	2.8	20.9	112
PM10 8 to 11	9.0	8.6	6.0	11.8	2.6	20.9	84
PM10 11 to 16	7.2	6.2	4.8	9.9	2.8	14.1	140
PM10 16 to 19	6.6	5.7	4.7	8.3	2.8	14.0	84
PM10 19 to 4	10.2	8.4	6.2	11.2	3.0	43.5	252

PM₁ data is not referenced and calibrated against regulatory monitor





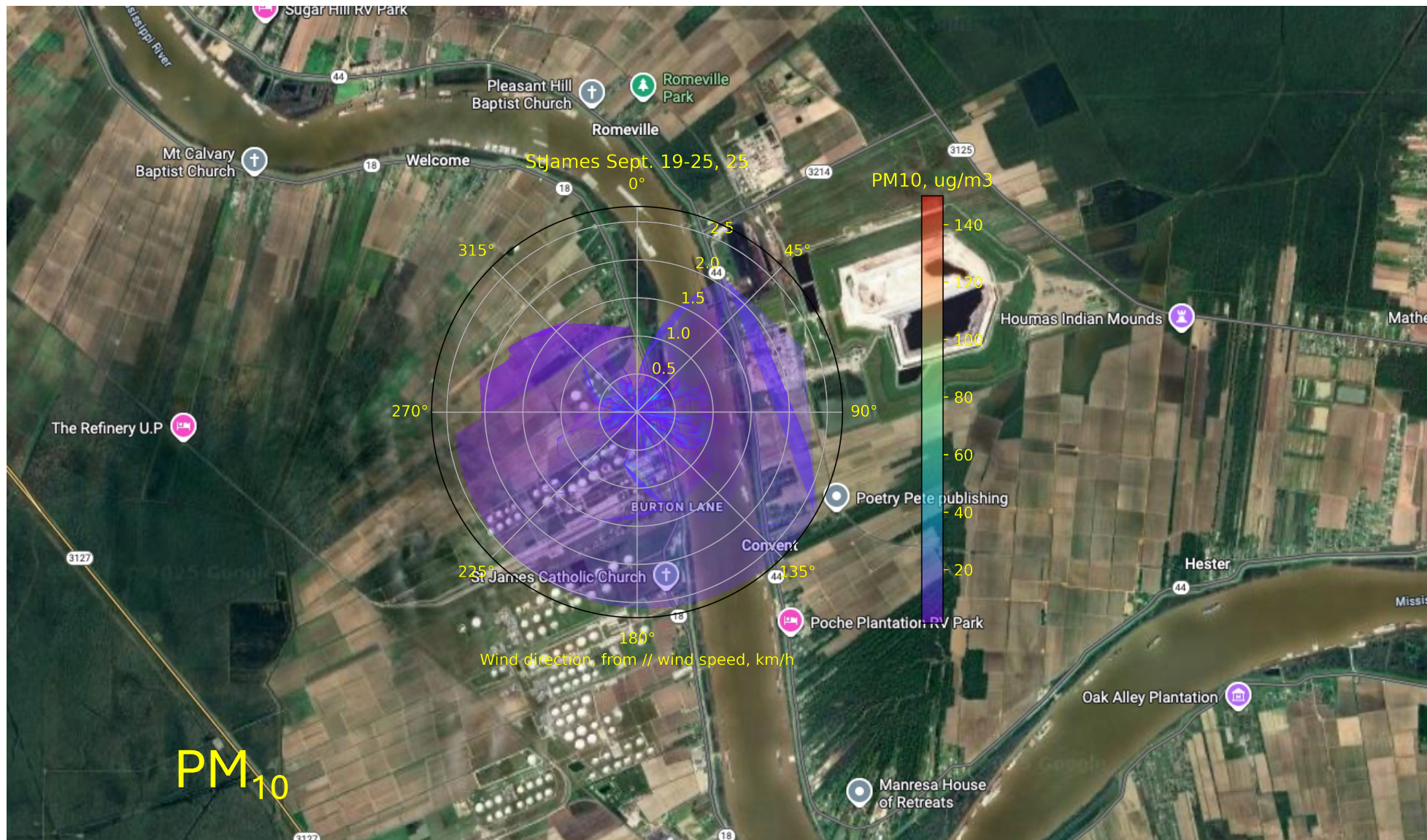












St. James POD

09/19-09/25

- Relatively quiet period without major events.
- NO_2 few times high with general trend from North – North-East, mostly at nighttime, correlated with elevated $\text{PM}_{2.5}$
- Two clear combustion spikes bringing CO and TVOCs from North-East

