

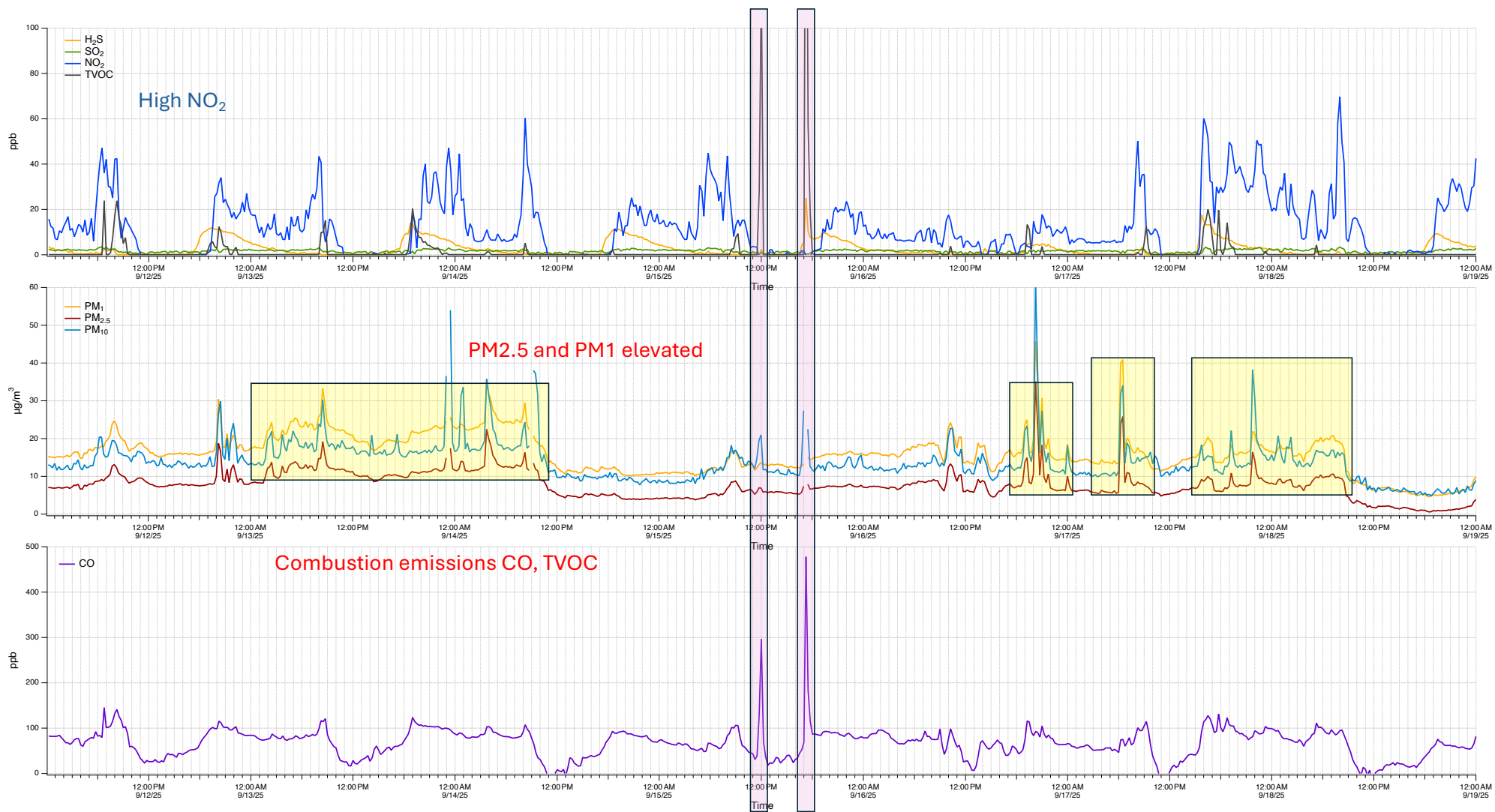
St James POD

September 12-18, 2025

Disclaimer

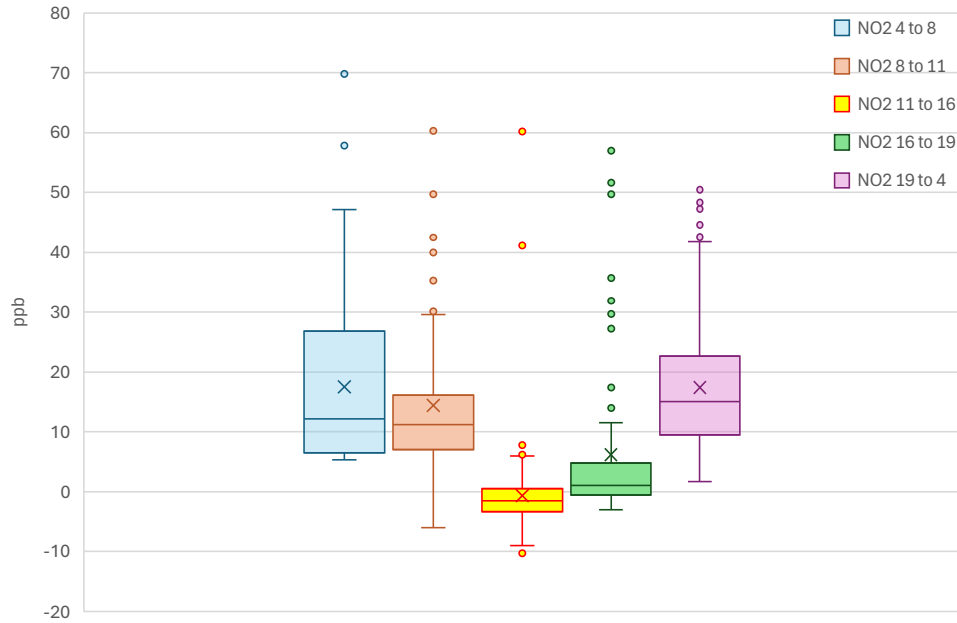
The data presented on this website were collected by non-regulatory monitors (air quality sensors) that do not meet the most current Environmental Protection Agency-approved or promulgated emission test or monitoring method. Thus, consistent with Louisiana's Community Air Monitoring Reliability Act,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

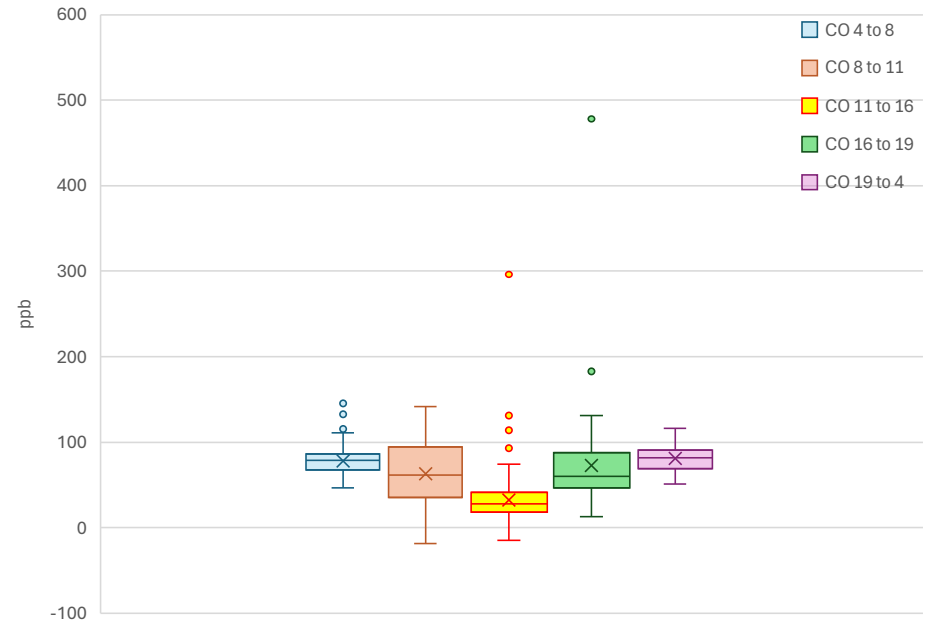


Hourly concentration distribution

NO2 hourly distribution



CO hourly distribution

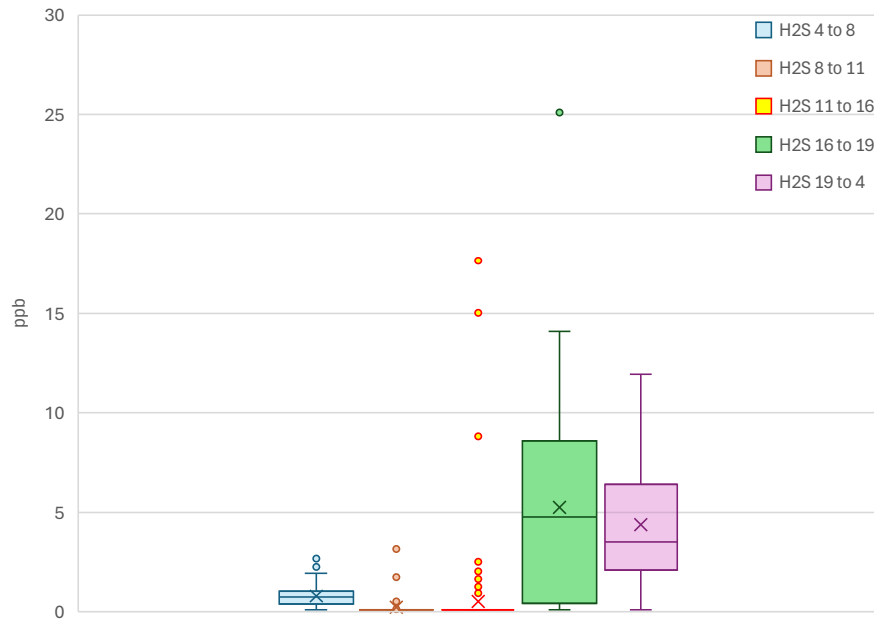


ppb	Mean	Median	Q1	Q3	Min	Max	# points
NO2 4 to 8	17.5	12.2	6.5	27.0	5.3	69.8	112
NO2 8 to 11	14.4	11.3	7.0	16.1	-6.0	60.3	84
NO2 11 to 16	-0.6	-1.5	-3.3	0.5	-10.2	60.1	140
NO2 16 to 19	6.2	1.1	-0.5	4.8	-3.0	57.0	84
NO2 19 to 4	17.4	15.1	9.5	22.7	1.7	50.5	252

ppb	Mean	Median	Q1	Q3	Min	Max	# points
CO 4 to 8	78.0	78.7	67.0	86.2	46.6	145.4	112
CO 8 to 11	63.3	61.8	35.3	94.8	-18.8	141.3	84
CO 11 to 16	32.5	27.9	18.0	41.1	-14.7	296.2	140
CO 16 to 19	73.0	60.5	47.0	88.1	13.2	478.0	84
CO 19 to 4	80.9	81.7	69.1	90.9	51.3	115.9	252

Hourly concentration distribution

H2S hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
H2S 4 to 8	0.8	0.8	0.4	1.1	0.1	2.7	112
H2S 8 to 11	0.2	0.1	0.1	0.1	0.1	3.2	84
H2S 11 to 16	0.5	0.1	0.1	0.1	0.1	17.7	140
H2S 16 to 19	5.3	4.8	0.4	8.7	0.1	25.1	84
H2S 19 to 4	4.4	3.5	2.1	6.4	0.1	11.9	252

SO2 hourly distribution

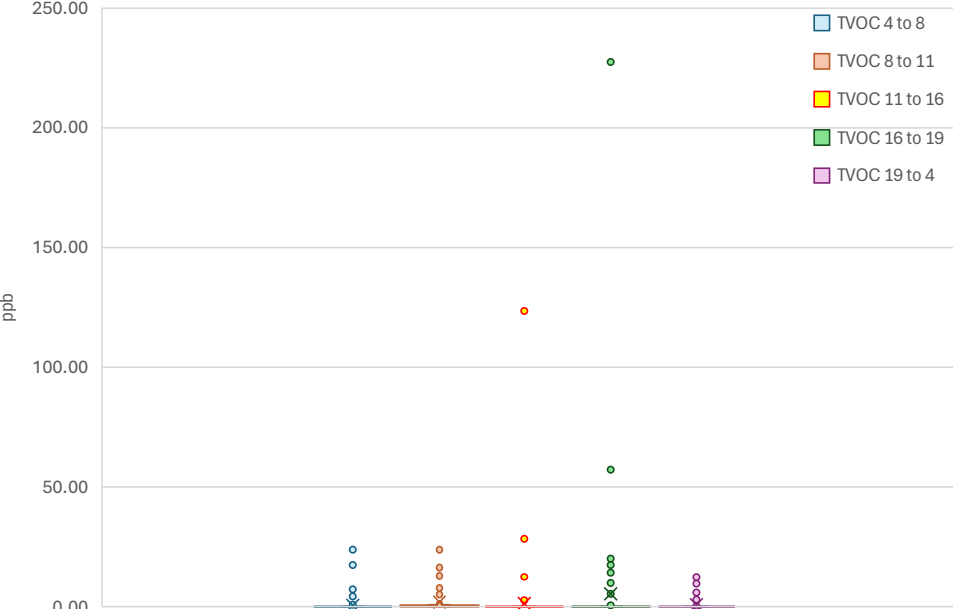


ppb	Mean	Median	Q1	Q3	Min	Max	# points
SO2 4 to 8	2.1	2.0	1.7	2.3	0.8	3.5	112
SO2 8 to 11	1.2	1.2	0.8	1.6	0.0	2.9	84
SO2 11 to 16	1.0	1.0	0.6	1.3	0.0	2.5	140
SO2 16 to 19	1.4	1.4	1.0	1.8	0.3	3.4	84
SO2 19 to 4	2.1	2.1	1.9	2.4	0.4	3.3	252

H₂S data is not referenced and calibrated against regulatory monitor

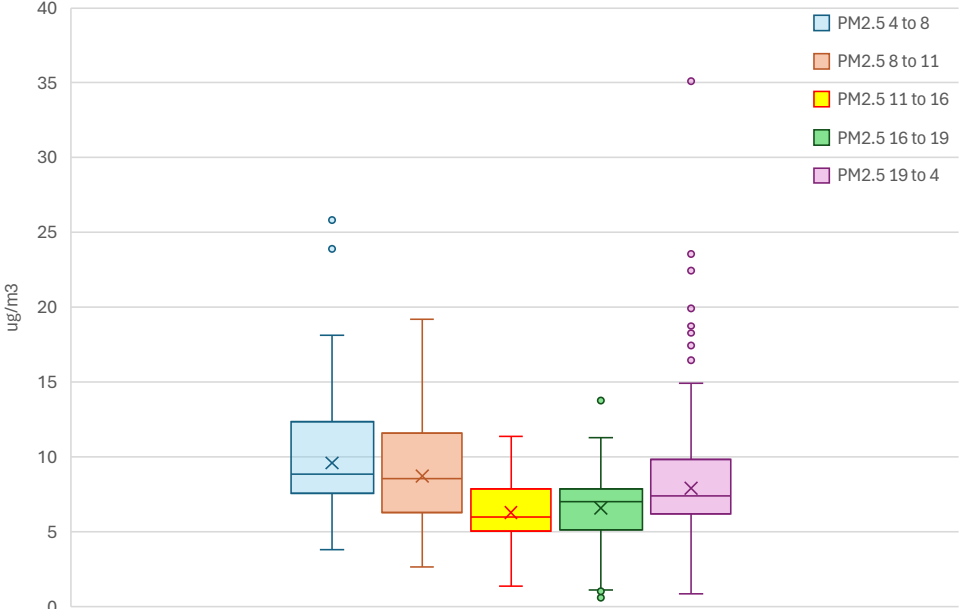
Hourly concentration distribution

TVOC hourly distribution



ppb	Mean	Median	Q1	Q3	Min	Max	# points
TVOC 4 to 8	0.6	0.1	0.1	0.1	0.1	23.9	112
TVOC 8 to 11	1.9	0.1	0.1	0.5	0.1	23.8	84
TVOC 11 to 16	1.3	0.1	0.1	0.1	0.1	123.6	140
TVOC 16 to 19	5.4	0.1	0.1	0.1	0.1	227.4	84
TVOC 19 to 4	0.8	0.1	0.1	0.1	0.1	14.0	252

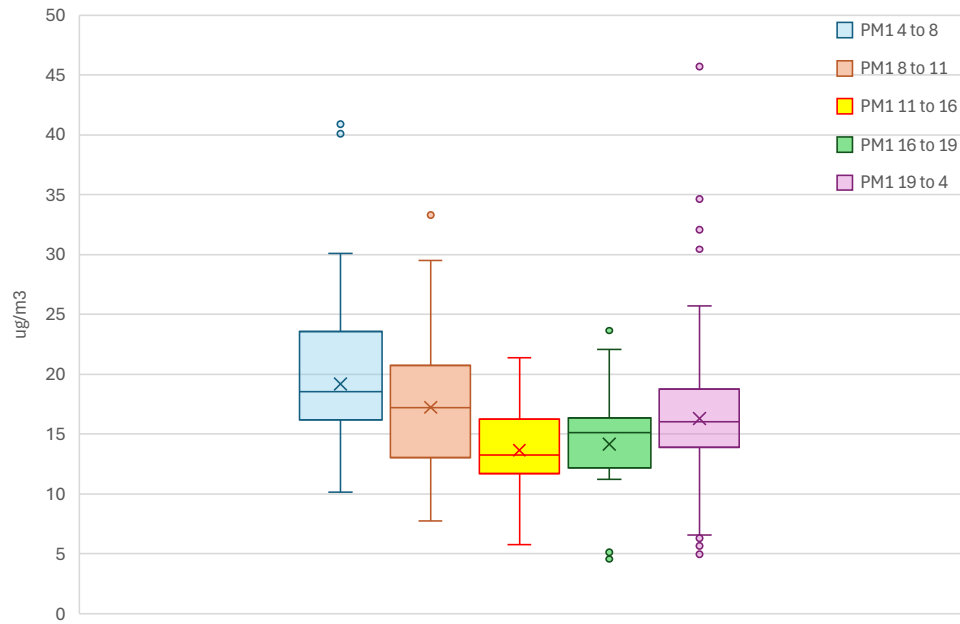
PM2.5 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM2.5 4 to 8	9.6	8.8	7.5	12.4	3.8	25.8	112
PM2.5 8 to 11	8.7	8.5	6.3	11.6	2.7	19.2	83
PM2.5 11 to 16	6.3	6.0	5.0	7.9	1.4	11.4	140
PM2.5 16 to 19	6.6	7.0	5.2	7.9	0.6	13.8	83
PM2.5 19 to 4	7.9	7.4	6.2	9.8	0.9	35.1	251

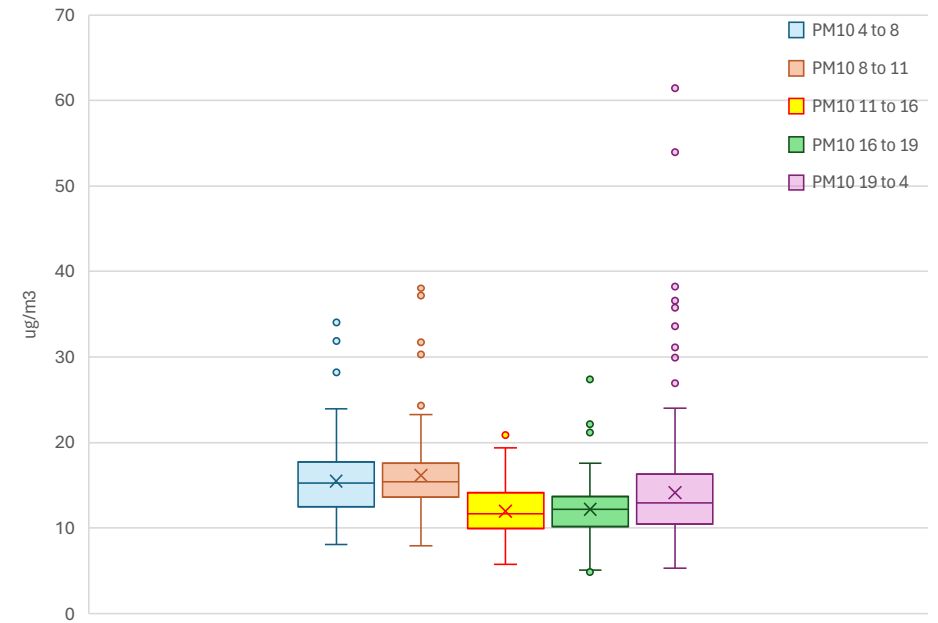
Hourly concentration distribution

PM1 hourly distribution



ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM1 4 to 8	19.2	18.5	16.1	23.7	10.2	40.9	112
PM1 8 to 11	17.2	17.2	13.1	20.8	7.7	33.3	83
PM1 11 to 16	13.7	13.3	11.7	16.2	5.8	21.4	140
PM1 16 to 19	14.2	15.1	12.2	16.4	4.6	23.7	83
PM1 19 to 4	16.3	16.0	13.9	18.9	5.0	45.7	251

PM10 hourly distribution

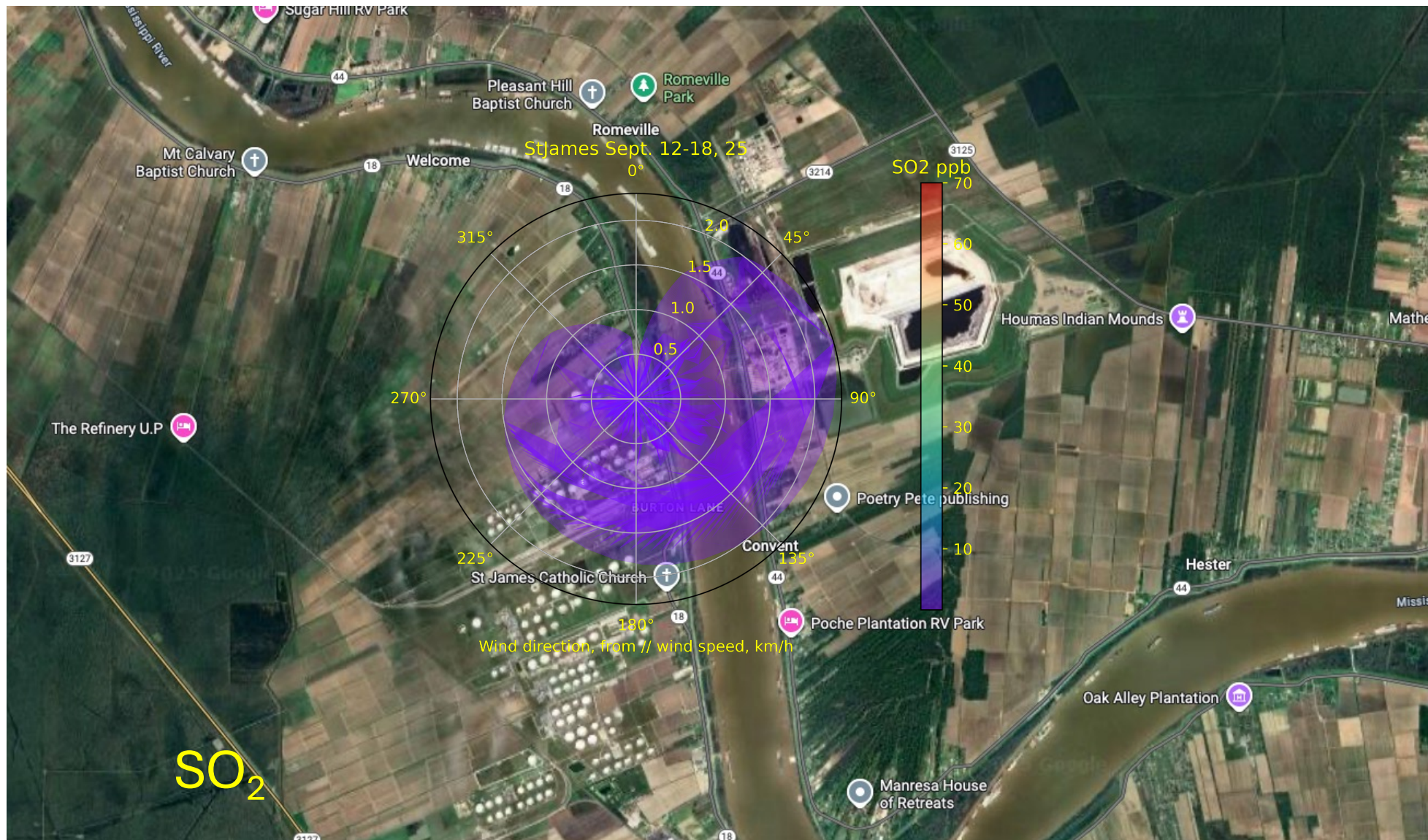


ug/m3	Mean	Median	Q1	Q3	Min	Max	# points
PM10 4 to 8	15.5	15.3	12.5	17.8	8.1	34.1	112
PM10 8 to 11	16.2	15.4	13.6	17.6	7.9	38.1	83
PM10 11 to 16	12.0	11.7	9.9	14.1	5.8	21.0	140
PM10 16 to 19	12.2	12.2	10.2	13.7	4.9	27.4	83
PM10 19 to 4	14.1	12.9	10.4	16.3	5.3	61.4	251

PM₁ data is not referenced and calibrated against regulatory monitor



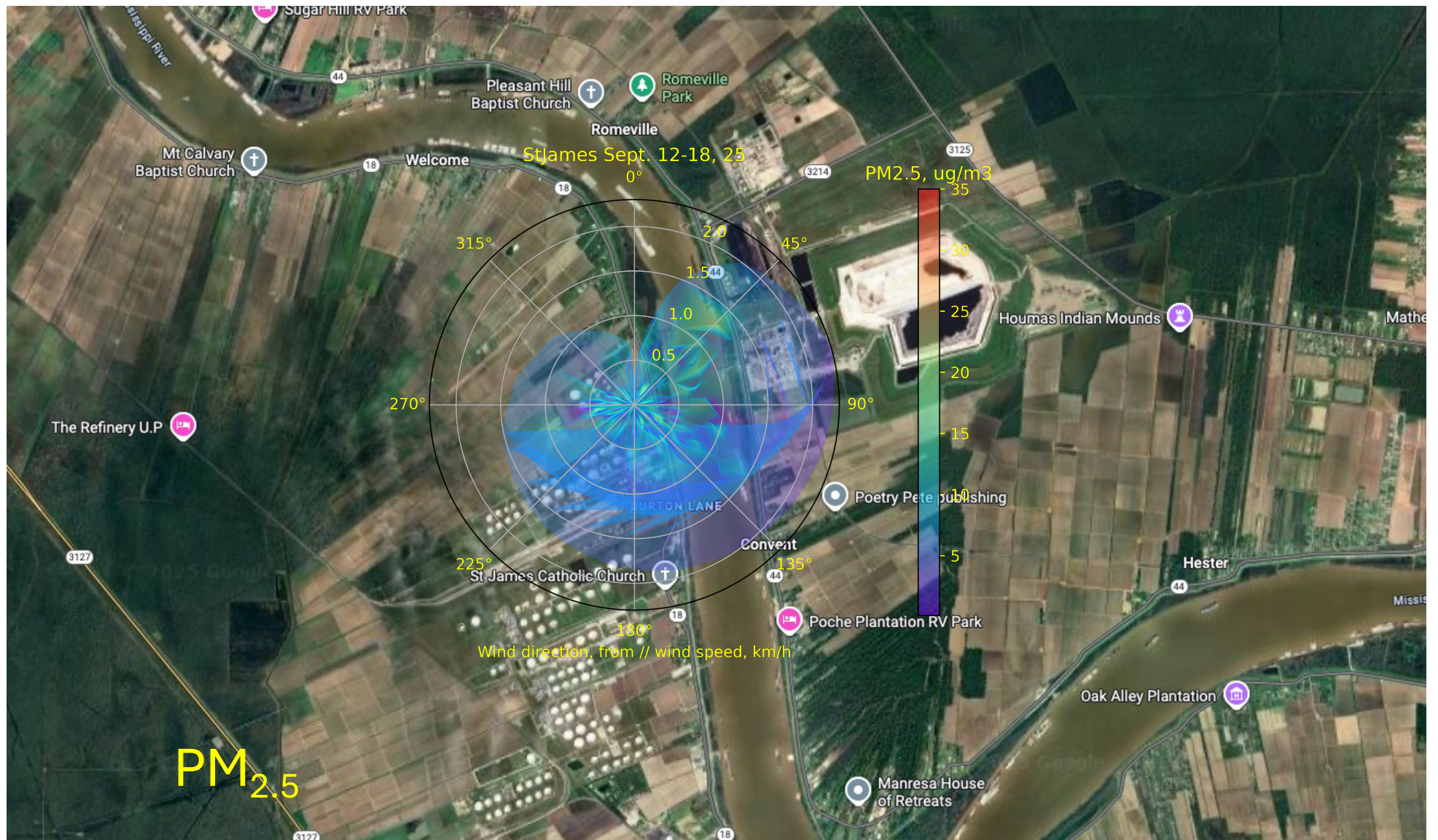


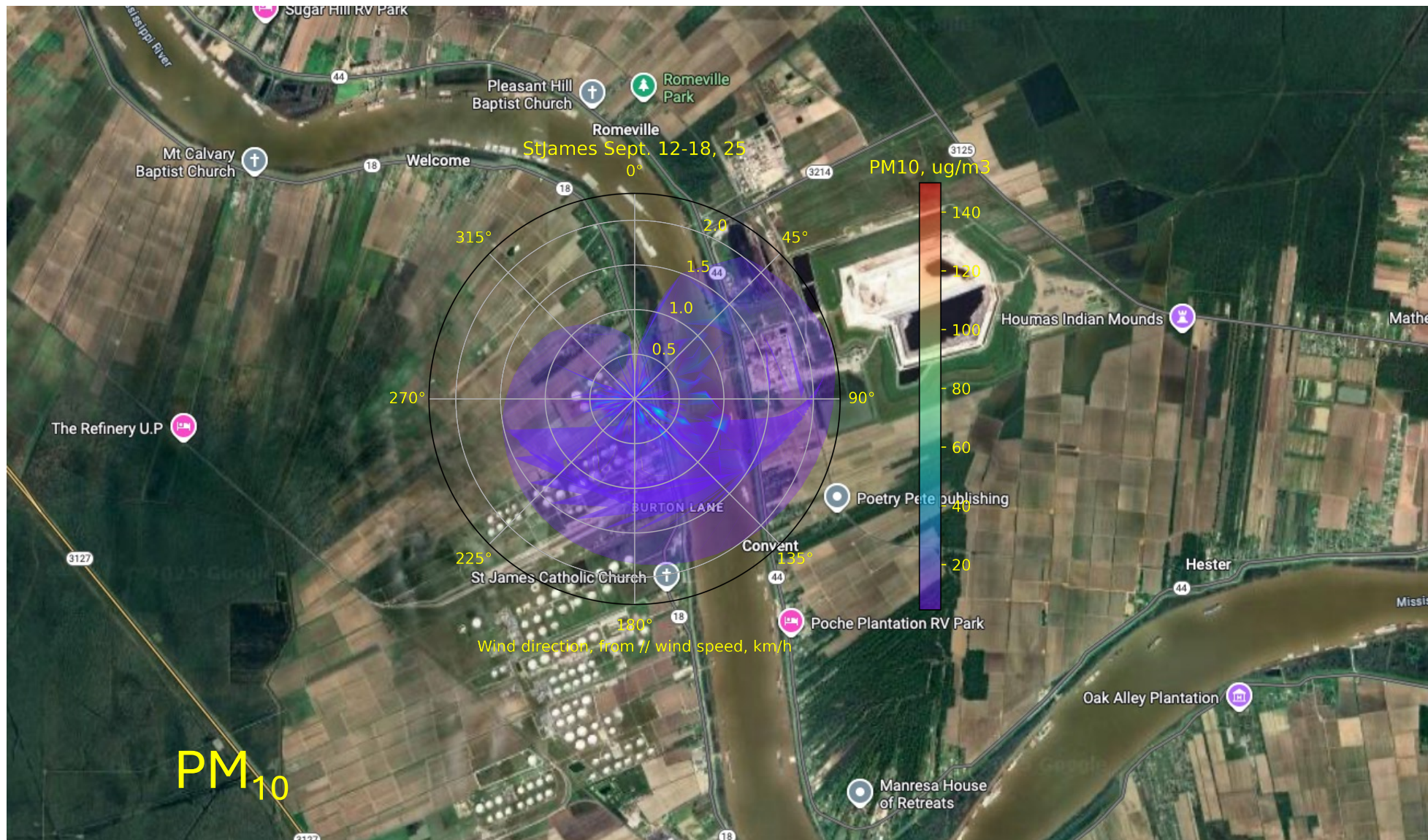












St. James POD

09/012-09/18

- Major issues noted by high PM1 and PM2.5 originating from North-East. Periods of high PM average concentration:
 - 9/13 8pm to 9/14 10am at 11.6 $\mu\text{g}/\text{m}^3$ (PM_{2.5})
 - 9/17 9pm to 9/18 10am at 9.1 $\mu\text{g}/\text{m}^3$ (PM_{2.5})
- Two clear combustion spikes bringing CO and TVOCs from North-East

