# Episode 56LC November 6, 2023. Making Coast to Coast PM2.5 above NAAQS 12, 25 and or 35 ug/m3, % over 3 days, XL statistics for an individual Resident-owned Hyper-localized PurpleAir Monitor.

Step 1: Using the Google Search Engine, Open PurpleAir Maps type your monitor location in the Search Box, click on your monitor to create a chart of the last 3 days, click on the 3 bars on the top right and download a CSV file of 3 days of statistics. Save the CSV file to your computer, open the file and **highlight all cells A1:D433, copy.**

us-epa-pm25-aqi
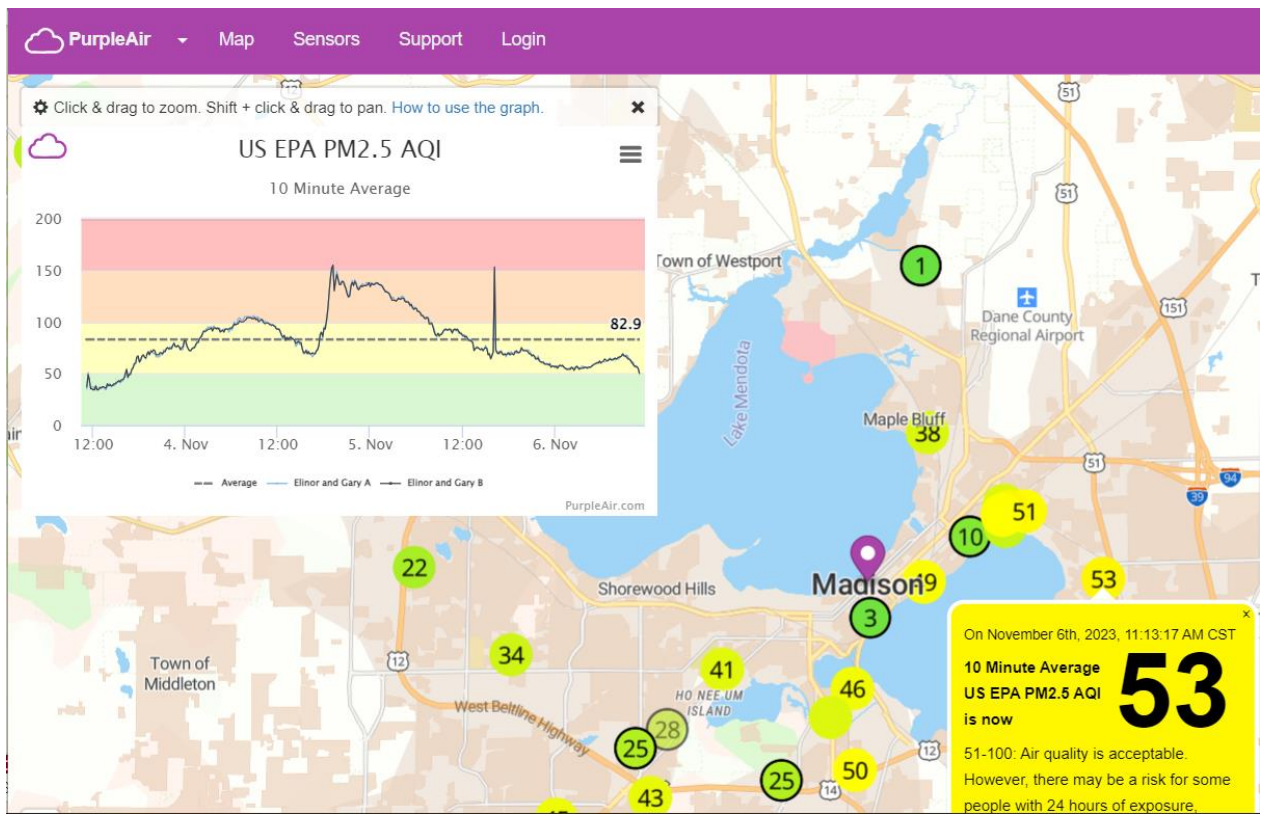
	A	B	C	D
1	DateTime	Average	Elinor and	Elinor and Gary
2	11/3/2023 11:10	82.9	35	37
3	11/3/2023 11:20		51	49
4	11/3/2023 11:30		42	44
5	11/3/2023 11:40		36	35
6	11/3/2023 11:50		37	35
7	11/3/2023 12:00		37	34
8	11/3/2023 12:10		34	34
9	11/3/2023 12:20		37	38
10	11/3/2023 12:30		34	34
11	11/3/2023 12:40		35	34
12	11/3/2023 12:50		37	36
13	11/3/2023 13:00		35	36
14	11/3/2023 13:10		37	37

us-epa-pm25-aqi

Step 2: You have highlighted all cells A1:D433 in CSV file, now click copy. Exit the CSV file, not saving, but clicking the box to agree to save all the cells you have saved, to copy to the RAWSEP % calculation TEMPLATE. Open the RAWSEP % calculation Template **and paste 123** (what you have saved) into the TEMPLATE A3:D435. **Change H5 to your own monitor city & state.**

	A	B	C	D	E	F	G	H	I	J
1	% 3 days >NAAQS	98.38%	40.05%	6.02%	PA x 0.5140 + 1.8304 conversion		PA		0.514	1.8304
2	Elinor and Gary A	12 ug/m3	25 ug/m3	35 ug/m3	425	173	26	no. 10 minute periods in 72 hours, 3 sheets		
3	DateTime	Average	Elinor and	Elinor and	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
4	10/31/2023 6:50	43.2	62	60	33.6984	33.6984	33.6984	Wisconsin,Madison		Elinor and Gary A
5	10/31/2023 7:00		59	59	32.1564	32.1564	32.1564	10/31/2023 6:50	to	11/3/2023 6:40
6	10/31/2023 7:10		59	60	32.1564	32.1564	32.1564	Above 12 micrograms per cubic meter PM2.5?		
7	10/31/2023 7:20		59	58	32.1564	32.1564	32.1564	425	10	4250
8	10/31/2023 7:30		57	55	31.1284	31.1284	31.1284	data periods of 10 minutes equals periods x 10		
9	10/31/2023 7:40		56	55	30.6144	30.6144	30.6144	4250	60	70.83333333
10	10/31/2023 7:50		58	56	31.6424	31.6424	31.6424	minutes divided by 60= hours in 3 days 72 hour		
11	10/31/2023 8:00		59	57	32.1564	32.1564	32.1564	70.83333333	72	98.38%
12	10/31/2023 8:10		56	57	30.6144	30.6144	30.6144	hours divided by 72 = % days > 12ug/m3 PM2.5		
13	10/31/2023 8:20		56	57	30.6144	30.6144	30.6144	Above 25 micrograms per cubic meter PM2.5?		
14	10/31/2023 8:30		57	56	31.1284	31.1284	31.1284	173	10	1730
15	10/31/2023 8:40		56	56	30.6144	30.6144	30.6144	data periods of 10 minutes equals periods x 10		
16	10/31/2023 8:50		55	54	30.1004	30.1004	30.1004	1730	60	28.83333333
17	10/31/2023 9:00		54	54	29.5864	29.5864	29.5864	minutes divided by 60= hours in 3 days 72 hour		
18	10/31/2023 9:10		49	49	27.0164	27.0164	27.0164	28.83333333	72	40.05%

| us-epa-pm25-aqi | YELLOW 12 sort | ORANGE 25 sort | RED 35 sort |

Step 3: Copy from the **MAIN PAGE of the TEMPLATE A:4:G435.** Paste 123 this copy, to YELLOW, ORANGE, & RED Sheets, **at A1** on each sheet. Save.

Step 4: **Sort YELLOW, ORANGE, & RED Sheets**, highlighting the sheet, then using Custom Sort by Cell Color at top, Yellow for YELLOW sheet, Orange for ORANGE sheet, and Red for RED sheet. note the number of the last row of color for each sheet and type the row number in the MAIN Sheet E2 for Yellow (425), F2 for Orange(173), G2 for Red(26). **See the percentage for 3 days populate in the left blue box. (See Slide 1) Save naming the file your own monitor name and date.**