

Episode 56LPA November 15, 2023. Coast to Coast.

From PurpleAir Data	% Above 12 ug/m3 PM2.5	% Above 25 ug/m3 PM2.5	% Above 35 ug/m3 PM2.5
California, Kensington	65	42	17
California, Trinidad	88	49	29
Maine, Winslow	85	19	2
Wisconsin, Madison	76	40	15

From PurpleAir Data	% Above 12 ug/m3 PM2.5	% Above 25 ug/m3 PM2.5	% Above 35 ug/m3 PM2.5
California, Kensington	65	42	17
California, Trinidad	88	49	29
Maine, Winslow	85	19	2
Wisconsin, Madison	76	40	15

California, Kensington	Highland A
% 3 days >NAAQS	65.05% 42.82% 17.36%
Highland A 12 ug/m3	25 ug/m3 35 ug/m3 PA 0.514 1.8304

number10minuteperiods in 72hours, 3 sheets
12,25,35 micrograms per cubic meter PM2.5

California, Kensington Highland A
11/12/2023 6:50 to 11/15/2023 6:40

Above 12 micrograms per cubic meter PM2.5?
281 10 2810

data periods of 10 minutes equals periods x 10
2810 60 46.83

minutes divided by 60= hours in 3 days 72 hour
46.83 72 65.05%

hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?

185 10 1850

data periods of 10 minutes equals periods x 10
1850 60 30.83

minutes divided by 60= hours in 3 days 72 hour
30.83 72 42.82%

hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?

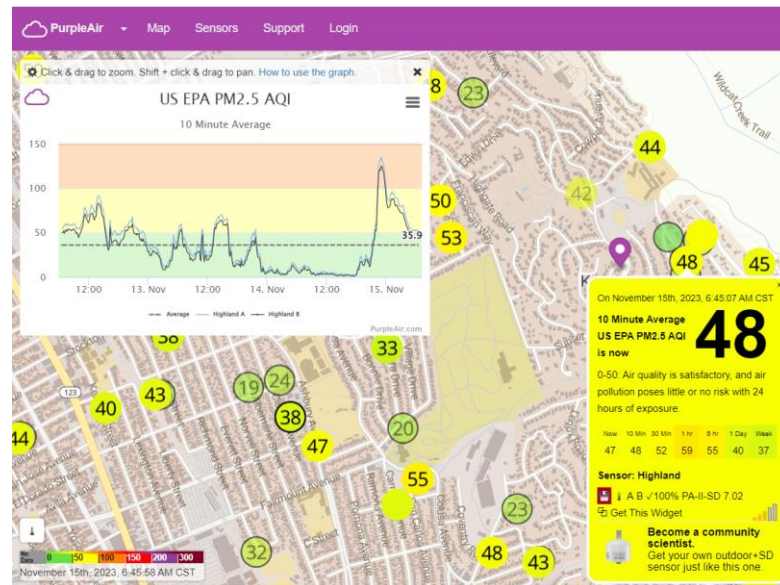
75 10 750

data periods of 10 minutes equals periods x 10
750 60 12.5

minutes divided by 60= hours in 3 days 72 hour
12.5 72 17.36%

hours divided by 72 = % days > 12ug/m3 PM2.5
California, Kensington Highland A

See all 3 days of Excel data on PDF at
<https://rawsepresidents.wordpress.com>



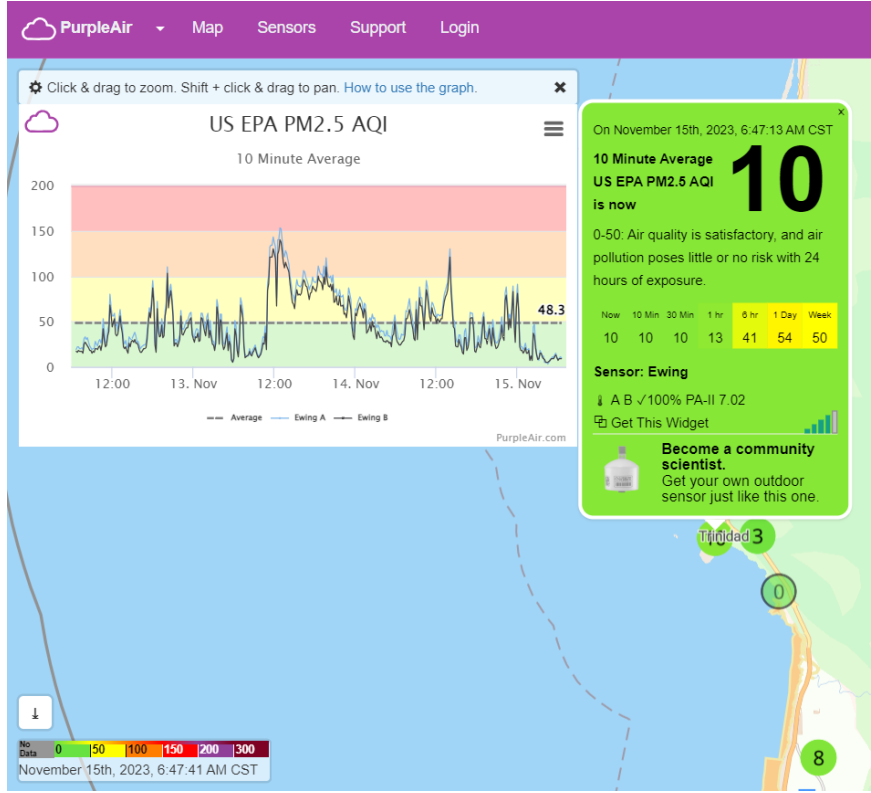
	A	B	C	D	E	F	G	H	I	J
1	California, Kensington	Highland A								
2	% 3 days >NAAQS	65.05%	42.82%	17.36%	PA x 0.5140 + 1.8304	conversion	PA		0.514	1.8304
3	Highland A	12 ug/m3	25 ug/m3	35 ug/m3	281	185	75	number10minuteperiods in 72hours, 3 sheets		
4	DateTime	Average	Highland A	Highland B	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
5	11/12/2023 6:50	35.9	55	50	30.1004	30.1004	30.1004	California, Kensington	Highland A	
6	11/12/2023 7:00		58	52	31.6424	31.6424	31.6424	11/12/2023 6:50	to	11/15/2023 6:40
7	11/12/2023 7:10		58	49	31.6424	31.6424	31.6424	Above 12 micrograms per cubic meter PM2.5?		
8	11/12/2023 7:20		60	53	32.6704	32.6704	32.6704	281	10	2810
9	11/12/2023 7:30		58	53	31.6424	31.6424	31.6424	data periods of 10 minutes equals periods x 10		
10	11/12/2023 7:40		58	51	31.6424	31.6424	31.6424	2810	60	46.83
11	11/12/2023 7:50		60	54	32.6704	32.6704	32.6704	minutes divided by 60= hours in 3 days 72 hour		
12	11/12/2023 8:00		59	54	32.1564	32.1564	32.1564	46.83	72	65.05%
13	11/12/2023 8:10		58	53	31.6424	31.6424	31.6424	hours divided by 72 = % days > 12ug/m3 PM2.5		
14	11/12/2023 8:20		59	53	32.1564	32.1564	32.1564	Above 25 micrograms per cubic meter PM2.5?		
15	11/12/2023 8:30		58	52	31.6424	31.6424	31.6424	185	10	1850
16	11/12/2023 8:40		58	52	31.6424	31.6424	31.6424	data periods of 10 minutes equals periods x 10		
17	11/12/2023 8:50		59	54	32.1564	32.1564	32.1564	1850	60	30.83
18	11/12/2023 9:00		60	54	32.6704	32.6704	32.6704	minutes divided by 60= hours in 3 days 72 hour		
19	11/12/2023 9:10		59	53	32.1564	32.1564	32.1564	30.83	72	42.82%
20	11/12/2023 9:20		57	52	31.1284	31.1284	31.1284	hours divided by 72 = % days > 25ug/m3 PM2.5		
21	11/12/2023 9:30		55	49	30.1004	30.1004	30.1004	Above 35 micrograms per cubic meter PM2.5?		
22	11/12/2023 9:40		56	50	30.6144	30.6144	30.6144	75	10	750
23	11/12/2023 9:50		54	48	29.5864	29.5864	29.5864	data periods of 10 minutes equals periods x 10		
24	11/12/2023 10:00		55	44	30.1004	30.1004	30.1004	750	60	12.5
25	11/12/2023 10:10		54	48	29.5864	29.5864	29.5864	minutes divided by 60= hours in 3 days 72 hour		
26	11/12/2023 10:20		56	49	30.6144	30.6144	30.6144	12.5	72	17.36%
27	11/12/2023 10:30		58	52	31.6424	31.6424	31.6424	hours divided by 72 = % days > 12ug/m3 PM2.5		
28	11/12/2023 10:40		61	55	33.1844	33.1844	33.1844	California, Kensington	Highland A	
29	11/12/2023 10:50		62	57	33.6984	33.6984	33.6984	See all 3 days of Excel data on PDF at		
30	11/12/2023 11:00		70	64	37.8104	37.8104	37.8104	https://rawsepresidents.wordpress.com		
31	11/12/2023 11:10		78	69	41.9224	41.9224	41.9224	Check C4	30.1004	
32	11/12/2023 11:20		78	71	41.9224	41.9224	41.9224			
33	11/12/2023 11:30		75	67	40.3804	40.3804	40.3804			
34	11/12/2023 11:40		72	65	38.8384	38.8384	38.8384			

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

California, Trinidad		Ewing A	PM2.5
% 3 days >NAAQS	88.43%	49.07%	29.40%
Ewing A	12 ug/m3	25 ug/m3	35 ug/m3
	PA	0.514	1.8304

From PurpleAir Data	% Above 12 ug/m3 PM2.5	% Above 25 ug/m3 PM2.5	% Above 35 ug/m3 PM2.5
California, Kensington	65	42	17
California, Trinidad	88	49	29
Maine, Winslow	85	19	2
Wisconsin, Madison	76	40	15

number 10 minuteperiods in 72 hours,3 sheets
 12,25,35 micrograms per cubic meter PM2.5
 California, Trinidad
 11/12/2023 6:50 to 11/15/2023 6:40
 Above 12 micrograms per cubic meter PM2.5?
 382 10 3820
 data periods of 10 minutes equals periods x 10
 3820 60 63.67
 minutes divided by 60= hours in 3 days 72 hour
 63.67 72 88.43%
 hours divided by 72 = % days > 12ug/m3 PM2.5
 Above 25 micrograms per cubic meter PM2.5?
 212 10 2120
 data periods of 10 minutes equals periods x 10
 2120 60 35.33
 minutes divided by 60= hours in 3 days 72 hour
 35.33 72 49.07%
 hours divided by 72 = % days > 25ug/m3 PM2.5
 Above 35 micrograms per cubic meter PM2.5?
 127 10 1270
 data periods of 10 minutes equals periods x 10
 1270 60 21.17
 minutes divided by 60= hours in 3 days 72 hour
 21.17 72 29.40%
 hours divided by 72 = % days > 12ug/m3 PM2.5
 California, Trinidad
 Ewing A
 See all 3 days of Excel data on PDF at
<https://rawsepresidents.wordpress.com>



	A	B	C	D	E	F	G	H	I	J
1	California, Trinidad	Ewing A	PM2.5							
2	% 3 days >NAAQS	88.43%	49.07%	29.40%	PA x 0.5140 + 1.8304	conversion	PA	0.514	1.8304	
3	Ewing A	12 ug/m3	25 ug/m3	35 ug/m3	382	212	127	number 10 minuteperiods in 72 hours,3 sheets		
4	DateTime	Average	Ewing A	Ewing B	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
5	11/12/23 6:50	48.3	22	16	13.1384	13.1384	13.1384	California, Trinidad	Ewing A	
6	11/12/23 7:00		22	18	13.1384	13.1384	13.1384	11/12/2023 6:50	to	11/15/2023 6:40
7	11/12/23 7:10		20	17	12.1104	12.1104	12.1104	Above 12 micrograms per cubic meter PM2.5?		
8	11/12/23 7:20		20	17	12.1104	12.1104	12.1104	382	10	3820
9	11/12/23 7:30		21	17	12.6244	12.6244	12.6244	data periods of 10 minutes equals periods x 10		
10	11/12/23 7:40		19	15	11.5964	11.5964	11.5964	3820	60	63.67
11	11/12/23 7:50		31	25	17.7644	17.7644	17.7644	minutes divided by 60= hours in 3 days 72 hour		
12	11/12/23 8:00		33	27	18.7924	18.7924	18.7924	63.67	72	88.43%
13	11/12/23 8:10		30	25	17.2504	17.2504	17.2504	hours divided by 72 = % days > 12ug/m3 PM2.5		
14	11/12/23 8:20		32	23	18.2784	18.2784	18.2784	Above 25 micrograms per cubic meter PM2.5?		
15	11/12/23 8:30		27	21	15.7084	15.7084	15.7084	212	10	2120
16	11/12/23 8:40		23	18	13.6524	13.6524	13.6524	data periods of 10 minutes equals periods x 10		
17	11/12/23 8:50		21	18	12.6244	12.6244	12.6244	2120	60	35.33
18	11/12/23 9:00		19	15	11.5964	11.5964	11.5964	minutes divided by 60= hours in 3 days 72 hour		
19	11/12/23 9:10		20	17	12.1104	12.1104	12.1104	35.33	72	49.07%
20	11/12/23 9:20		20	16	12.1104	12.1104	12.1104	hours divided by 72 = % days > 25ug/m3 PM2.5		
21	11/12/23 9:30		28	20	16.2224	16.2224	16.2224	Above 35 micrograms per cubic meter PM2.5?		
22	11/12/23 9:40		25	20	14.6804	14.6804	14.6804	127	10	1270
23	11/12/23 9:50		23	19	13.6524	13.6524	13.6524	data periods of 10 minutes equals periods x 10		
24	11/12/23 10:00		28	22	16.2224	16.2224	16.2224	1270	60	21.17
25	11/12/23 10:10		30	23	17.2504	17.2504	17.2504	minutes divided by 60= hours in 3 days 72 hour		
26	11/12/23 10:20		26	18	15.1944	15.1944	15.1944	21.17	72	29.40%
27	11/12/23 10:30		33	25	18.7924	18.7924	18.7924	hours divided by 72 = % days > 12ug/m3 PM2.5		
28	11/12/23 10:40		53	42	29.0724	29.0724	29.0724	California, Trinidad	Ewing A	
29	11/12/23 10:50		39	29	21.8764	21.8764	21.8764	See all 3 days of Excel data on PDF at		
30	11/12/23 11:00		26	22	15.1944	15.1944	15.1944	https://rawsepresidents.wordpress.com		
31	11/12/23 11:10		28	24	16.2224	16.2224	16.2224	Check C4	13.1384	
32	11/12/23 11:20		41	34	22.9044	22.9044	22.9044			
33	11/12/23 11:30		46	39	25.4744	25.4744	25.4744			
34	11/12/23 11:40		80	68	42.9504	42.9504	42.9504			

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

Maine, Winslow		Winslow, Maine A	
% 3 days >NAAQS	85.42%	19.91%	2.55%
Winslow, Maine A	12 ug/m3	25 ug/m3	35 ug/m3
PA	0.514	1.8304	

From PurpleAir Data	% Above 12 ug/m3 PM2.5	% Above 25 ug/m3 PM2.5	% Above 35 ug/m3 PM2.5
California, Kensington	65	42	17
California, Trinidad	88	49	29
Maine, Winslow	85	19	2
Wisconsin, Madison	76	40	15

no. 10 minute periods in 72 hours, 3 sheets
 12,25,35 micrograms per cubic meter PM2.5

Maine, Winslow Winslow, Maine A
 11/12/2023 6:50 to 11/15/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

369 10 3690

data periods of 10 minutes equals periods x 10

3690 60 61.50

minutes divided by 60= hours in 3 days 72 hour

61.50 72 85.42%

hours divided by 72 = % days > 12ug/m3 PM2.5

Above 25 micrograms per cubic meter PM2.5?

86 10 860

data periods of 10 minutes equals periods x 10

860 60 14.33

minutes divided by 60= hours in 3 days 72 hour

14.33 72 19.91%

hours divided by 72 = % days > 25ug/m3 PM2.5

Above 35 micrograms per cubic meter PM2.5?

11 10 110

data periods of 10 minutes equals periods x 10

110 60 1.83

minutes divided by 60= hours in 3 days 72 hour

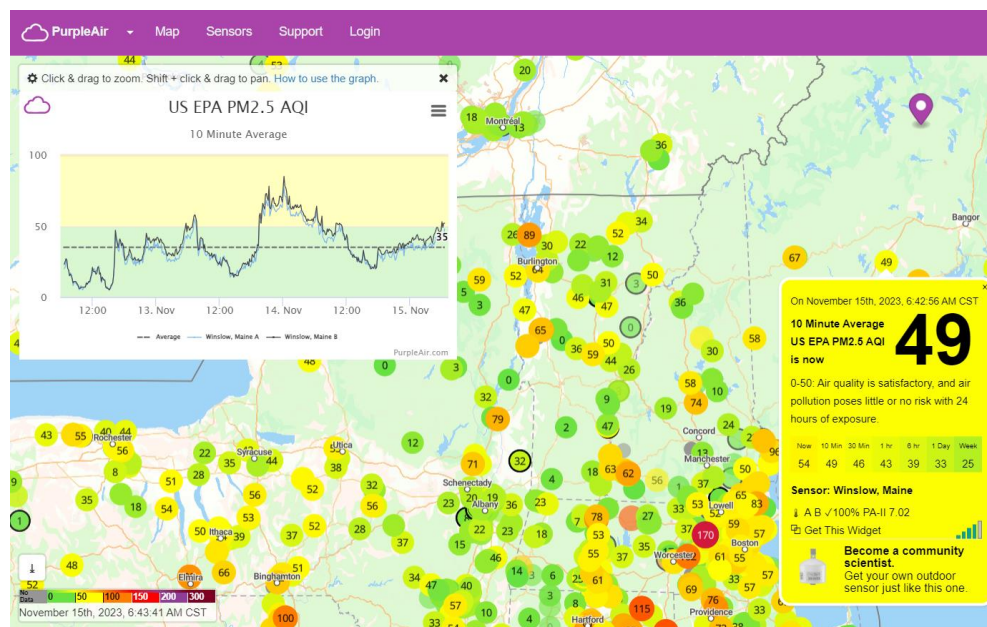
1.83 72 2.55%

hours divided by 72 = % days > 12ug/m3 PM2.5

Maine, Winslow Winslow, Maine A

See all 3 days of Excel data on PDF at

<https://rawsepresidents.wordpress.com>



	A	B	C	D	E	F	G	H	I	J	K
1	Maine, Winslow	Winslow, Maine A									
2	% 3 days >NAAQS	85.42%	19.91%	2.55%	PA x 0.5140 + 1.8304 conversion	PA		0.514	1.8304		
3	Winslow, Maine A	12 ug/m3	25 ug/m3	35 ug/m3	369	86	11	no. 10 minute periods in 72 hours, 3 sheets			
4	DateTime	Average	Winslow, I	Winslow, I	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5			
5	11/12/2023 6:50	35	21	25	12.6244	12.6244	12.6244	Maine, Winslow	Winslow, Maine A		
6	11/12/2023 7:00	27	27	27	15.7084	15.7084	15.7084	11/12/2023 6:50	to	11/15/2023 6:40	
7	11/12/2023 7:10	23	26	26	13.6524	13.6524	13.6524	Above 12 micrograms per cubic meter PM2.5?			
8	11/12/2023 7:20	20	20	20	12.1104	12.1104	12.1104	Above 12 micrograms per cubic meter PM2.5?	369	10	3690
9	11/12/2023 7:30	19	19	19	11.5964	11.5964	11.5964	data periods of 10 minutes equals periods x 10	3690	60	61.50
10	11/12/2023 7:40	15	15	15	9.5404	9.5404	9.5404	minutes divided by 60= hours in 3 days 72 hour			
11	11/12/2023 7:50	17	16	16	10.5684	10.5684	10.5684	hours divided by 72 = % days > 12ug/m3 PM2.5	61.50	72	85.42%
12	11/12/2023 8:00	16	15	15	10.0544	10.0544	10.0544	Above 25 micrograms per cubic meter PM2.5?			
13	11/12/2023 8:10	13	13	13	8.5124	8.5124	8.5124	data periods of 10 minutes equals periods x 10	86	10	860
14	11/12/2023 8:20	8	10	10	5.9424	5.9424	5.9424	minutes divided by 60= hours in 3 days 72 hour			
15	11/12/2023 8:30	10	11	11	6.9704	6.9704	6.9704	hours divided by 72 = % days > 25ug/m3 PM2.5	14.33	72	19.91%
16	11/12/2023 8:40	10	11	11	6.9704	6.9704	6.9704	Above 35 micrograms per cubic meter PM2.5?			
17	11/12/2023 8:50	10	11	11	6.9704	6.9704	6.9704	data periods of 10 minutes equals periods x 10	11	10	110
18	11/12/2023 9:00	9	10	10	6.4564	6.4564	6.4564	minutes divided by 60= hours in 3 days 72 hour			
19	11/12/2023 9:10	8	9	9	5.9424	5.9424	5.9424	hours divided by 72 = % days > 12ug/m3 PM2.5	14.33	72	19.91%
20	11/12/2023 9:20	7	8	8	5.4284	5.4284	5.4284	Above 12 micrograms per cubic meter PM2.5?			
21	11/12/2023 9:30	5	6	6	4.4004	4.4004	4.4004	data periods of 10 minutes equals periods x 10	110	60	1.833333333
22	11/12/2023 9:40	7	6	6	5.4284	5.4284	5.4284	minutes divided by 60= hours in 3 days 72 hour			
23	11/12/2023 9:50	8	7	7	5.9424	5.9424	5.9424	hours divided by 72 = % days > 25ug/m3 PM2.5	1.833333333	72	2.55%
24	11/12/2023 10:00	6	7	7	4.9144	4.9144	4.9144	Above 35 micrograms per cubic meter PM2.5?			
25	11/12/2023 10:10	5	7	7	4.4004	4.4004	4.4004	data periods of 10 minutes equals periods x 10	110	60	1.833333333
26	11/12/2023 10:20	7	7	7	5.4284	5.4284	5.4284	minutes divided by 60= hours in 3 days 72 hour			
27	11/12/2023 10:30	7	7	7	5.4284	5.4284	5.4284	hours divided by 72 = % days > 12ug/m3 PM2.5			
28	11/12/2023 10:40	8	7	7	5.9424	5.9424	5.9424	Maine, Winslow	Winslow, Maine A		
29	11/12/2023 10:50	9	10	10	6.4564	6.4564	6.4564	See all 3 days of Excel data on PDF at			
30	11/12/2023 11:00	9	9	9	6.4564	6.4564	6.4564	https://rawsepresidents.wordpress.com			
31	11/12/2023 11:10	10	10	10	6.9704	6.9704	6.9704	Check C4	12.6244		
32	11/12/2023 11:20	11	11	11	7.4844	7.4844	7.4844				
33	11/12/2023 11:30	10	11	11	6.9704	6.9704	6.9704				
34	11/12/2023 11:40	12	14	14	7.9984	7.9984	7.9984				

Wisconsin, Madison Elinor and Gary A

% 3 days >NAAQS	76.85%	40.97%	15.05%
Elinor and Gary A	12 ug/m3	25 ug/m3	35 ug/m3

From PurpleAir Data	% Above 12 ug/m3 PM2.5	% Above 25 ug/m3 PM2.5	% Above 35 ug/m3 PM2.5
California, Kensington	65	42	17
California, Trinidad	88	49	29
Maine, Winslow	85	19	2
Wisconsin, Madison	76	40	15

PA 0.514 1.8304
 number10minuteperiods in 72hours, 3 sheets
 12,25,35 micrograms per cubic meter PM2.5

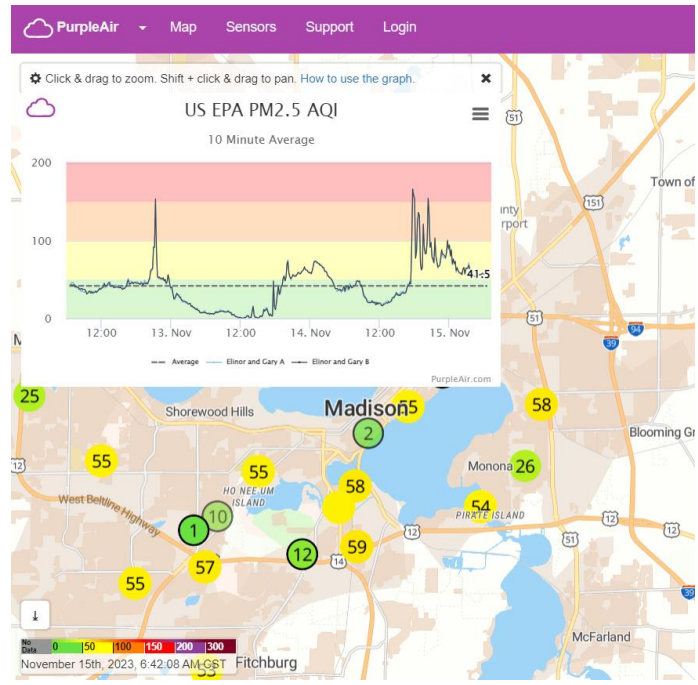
Wisconsin, Madison Elinor and Gary A
 11/12/2023 6:50 to 11/15/2023 6:40

Above 12 micrograms per cubic meter PM2.5?
 332 10 3320
 data periods of 10 minutes equals periods x 10
 3320 60 55.33
 minutes divided by 60= hours in 3 days 72 hour
 55.33 72 76.85%

hours divided by 72 = % days > 12ug/m3 PM2.5
 Above 25 micrograms per cubic meter PM2.5?
 177 10 1770
 data periods of 10 minutes equals periods x 10
 1770 60 29.5
 minutes divided by 60= hours in 3 days 72 hour
 29.5 72 40.97%

hours divided by 72 = % days > 25ug/m3 PM2.5
 Above 35 micrograms per cubic meter PM2.5?
 65 10 650
 data periods of 10 minutes equals periods x 10
 650 60 10.83
 minutes divided by 60= hours in 3 days 72 hour
 10.83 72 15.05%

hours divided by 72 = % days > 12ug/m3 PM2.5
 Wisconsin, Madison Elinor and Gary A
 See all 3 days of Excel data on PDF at
<https://rawsepresidents.wordpress.com>



	A	B	C	D	E	F	G	H	I	J
1	Wisconsin, Madison	Elinor and Gary A								
2	% 3 days >NAAQS	76.85%	40.97%	15.05%	PA x 0.5140 + 1.8304 conversion	PA		0.514		1.8304
3	Elinor and Gary A	12 ug/m3	25 ug/m3	35 ug/m3	332	177	65	number10minuteperiods in 72hours, 3 sheets		
4	DateTime	Average	Elinor and	Elinor and	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
5	11/12/2023 6:50	41.5	46	43	25.4744	25.4744	25.4744	Wisconsin, Madison	Elinor and Gary A	
6	11/12/2023 7:00	45	42	42	24.9604	24.9604	24.9604	11/12/2023 6:50	to	11/15/2023 6:40
7	11/12/2023 7:10	46	43	43	25.4744	25.4744	25.4744	Above 12 micrograms per cubic meter PM2.5?		
8	11/12/2023 7:20	43	43	43	23.9324	23.9324	23.9324	332	10	3320
9	11/12/2023 7:30	41	40	40	22.9044	22.9044	22.9044	data periods of 10 minutes equals periods x 10		
10	11/12/2023 7:40	39	41	41	21.8764	21.8764	21.8764	3320	60	55.33
11	11/12/2023 7:50	40	40	40	22.3904	22.3904	22.3904	minutes divided by 60= hours in 3 days 72 hour		
12	11/12/2023 8:00	38	40	40	21.3624	21.3624	21.3624	55.33	72	76.85%
13	11/12/2023 8:10	39	37	37	21.8764	21.8764	21.8764	hours divided by 72 = % days > 12ug/m3 PM2.5		
14	11/12/2023 8:20	37	37	37	20.8484	20.8484	20.8484	Above 25 micrograms per cubic meter PM2.5?		
15	11/12/2023 8:30	34	38	38	19.3064	19.3064	19.3064	177	10	1770
16	11/12/2023 8:40	38	38	38	21.3624	21.3624	21.3624	data periods of 10 minutes equals periods x 10		
17	11/12/2023 8:50	34	37	37	19.3064	19.3064	19.3064	1770	60	29.5
18	11/12/2023 9:00	33	37	37	18.7924	18.7924	18.7924	minutes divided by 60= hours in 3 days 72 hour		
19	11/12/2023 9:10	35	37	37	19.8204	19.8204	19.8204	29.5	72	40.97%
20	11/12/2023 9:20	33	35	35	18.7924	18.7924	18.7924	hours divided by 72 = % days > 25ug/m3 PM2.5		
21	11/12/2023 9:30	32	31	31	18.2784	18.2784	18.2784	Above 35 micrograms per cubic meter PM2.5?		
22	11/12/2023 9:40	33	32	32	18.7924	18.7924	18.7924	65	10	650
23	11/12/2023 9:50	34	34	34	19.3064	19.3064	19.3064	data periods of 10 minutes equals periods x 10		
24	11/12/2023 10:00	35	35	35	19.8204	19.8204	19.8204	650	60	10.83
25	11/12/2023 10:10	35	32	32	19.8204	19.8204	19.8204	minutes divided by 60= hours in 3 days 72 hour		
26	11/12/2023 10:20	34	34	34	19.3064	19.3064	19.3064	10.83	72	15.05%
27	11/12/2023 10:30	35	32	32	19.8204	19.8204	19.8204	hours divided by 72 = % days > 12ug/m3 PM2.5		
28	11/12/2023 10:40	33	33	33	18.7924	18.7924	18.7924	Wisconsin, Madison	Elinor and Gary A	
29	11/12/2023 10:50	34	33	33	19.3064	19.3064	19.3064	See all 3 days of Excel data on PDF at		
30	11/12/2023 11:00	35	35	35	19.8204	19.8204	19.8204	https://rawsepresidents.wordpress.com		
31	11/12/2023 11:10	33	33	33	18.7924	18.7924	18.7924	Check C4	25.4744	
32	11/12/2023 11:20	34	35	35	19.3064	19.3064	19.3064			
33	11/12/2023 11:30	35	36	36	19.8204	19.8204	19.8204			
34	11/12/2023 11:40	39	38	38	21.8764	21.8764	21.8764			

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