Episode 56LL November 12, 2023. Coast to Coast

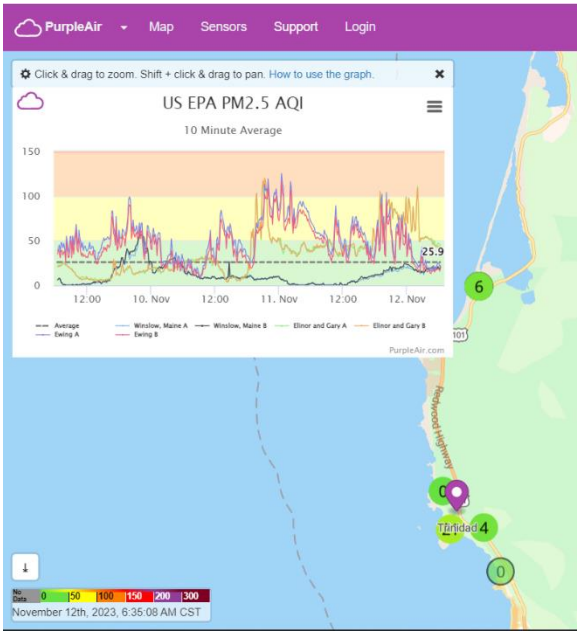
11/9-11/12/23 3day PM2.5	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11

% 3 days >NAAQS **72.45% 33.56% 7.64%**
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
Kensington, CA Highland A
11/9/2023 6:30 to 11/12/2023 6:20
Above 12 micrograms per cubic meter PM2.5?
313 10 3130
data periods of 10 minutes equals periods x 10
3130 60 52.16666667
minutes divided by 60= hours in 3 days 72 hour
52.16666667 72 72.45%
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
145 10 1450
data periods of 10 minutes equals periods x 10
1450 60 24.16666667
minutes divided by 60= hours in 3 days 72 hour
24.16666667 72 33.56%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
33 10 330
data periods of 10 minutes equals periods x 10
330 60 5.5
minutes divided by 60= hours in 3 days 72 hour
5.5 72 7.64%
hours divided by 72 = % days > 12ug/m3 PM2.5
Kensington, CA Highland A
See all 3 days of Excel data on PDF at
https://rawsepresidents.wordpress.com
% 3 days >NAAQS **94.68% 59.49% 27.08%**
Ewing A12 ug/m3 25 ug/m3 35 ug/m3
PA 0.514 1.8304
number 10 minuteperiods in 72 hours,3 sheets
12,25,35 micrograms per cubic meter PM2.5
California, Trinidad Ewing A
11/9/2023 6:50 to 11/12/2023 6:40
Above 12 micrograms per cubic meter PM2.5?
409 10 4090
data periods of 10 minutes equals periods x 10
4090 60 68.16666667
minutes divided by 60= hours in 3 days 72 hour
68.16666667 72 94.68%
hours divided by 72 = % days > 12ug/m3 PM2.5

Above 25 micrograms per cubic meter PM2.5?
257 10 2570
data periods of 10 minutes equals periods x 10
2570 60 42.83333333
minutes divided by 60= hours in 3 days 72 hour
42.83333333 72 59.49%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
117 10 1170
data periods of 10 minutes equals periods x 10
1170 60 19.5
minutes divided by 60= hours in 3 days 72 hour
19.5 72 27.08%
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
% 3 days >NAAQS **16.90% 1.62% 0.00%**
Winslow, Maine A 12 ug/m3 25 ug/m3 35 ug/m3
PA 0.514 1.8304
number 10 minuteperiods in 72 hours, 3 sheets
12,25,35 micrograms per cubic meter PM2.5
Maine, Winslow Winslow, Maine A
11/9/2023 6:50 to 11/12/2023 6:40
Above 12 micrograms per cubic meter PM2.5?
73 10 730
data periods of 10 minutes equals periods x 10
730 60 12.16666667
minutes divided by 60= hours in 3 days 72 hour
12.16666667 72 16.90%
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
7 10 70
data periods of 10 minutes equals periods x 10
70 60 1.166666667
minutes divided by 60= hours in 3 days 72 hour
1.166666667 72 1.62%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
0 10 0
data periods of 10 minutes equals periods x 10
0 60 0
minutes divided by 60= hours in 3 days 72 hour
0 72 0.00%
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
% 3 days >NAAQS **66.44% 27.78% 11.57%**
Elinor and Gary 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

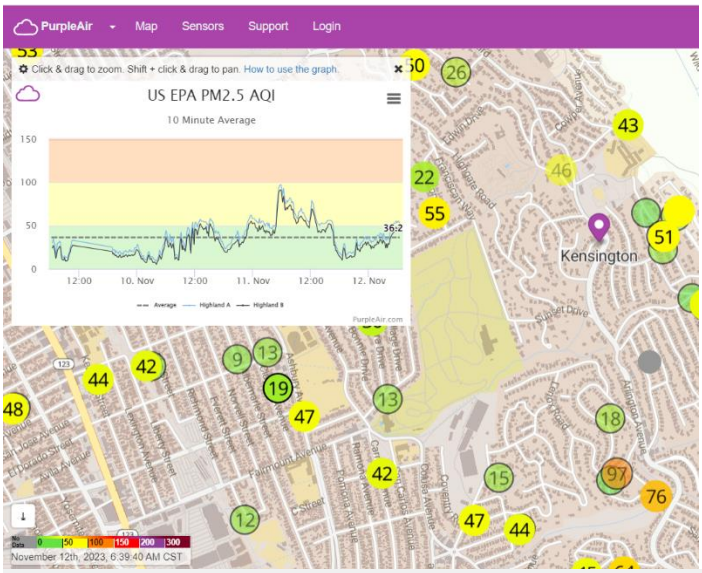
Wisconsin,Madison Elinor and Gary A
11/9/2023 6:50 to 11/12/2023 6:40
Above 12 micrograms per cubic meter PM2.5?
287 10 2870
data periods of 10 minutes equals periods x 10
2870 60 47.83333333
minutes divided by 60= hours in 3 days 72 hour
47.83333333 72 66.44%
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
120 10 1200
data periods of 10 minutes equals periods x 10
1200 60 20
minutes divided by 60= hours in 3 days 72 hour
20 72 27.78%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
50 10 500
data periods of 10 minutes equals periods x 10
500 60 8.333333333
minutes divided by 60= hours in 3 days 72 hour
8.333333333 72 11.57%
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

11/9-11/12/23 3day PM2.5	% above 12 ug/m3 NAAQS	% above 25 ug/m3 NAAQS	% above 35 ug/m3 NAAQS
California, Kensington	72	33	7
California, Trinidad	94	59	27
Maine, Winslow	16	1	0
Wisconsin, Madison	66	27	11



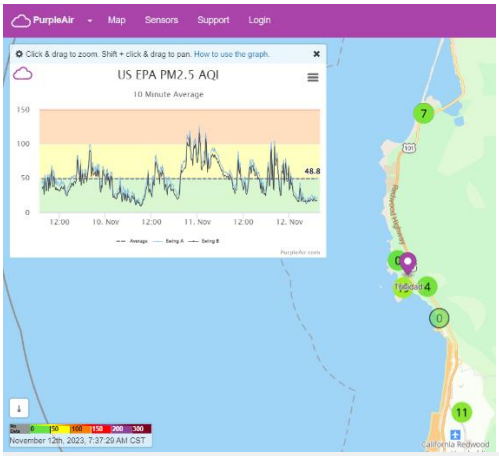
	A	B	C	D	E	F	G	H	I	J
4	11/9/2023 6:30	36.2	30	24	17.2504	17.2504	17.2504	Kensington, CA		Highland A
5	11/9/2023 6:40		35	27	19.8204	19.8204	19.8204	11/9/2023 6:30	to	11/12/2023 6:20
6	11/9/2023 6:50		31	25	17.7644	17.7644	17.7644	Above 12 micrograms per cubic meter PM2.5?		
7	11/9/2023 7:00		28	20	16.2224	16.2224	16.2224	313	10	3130
8	11/9/2023 7:10		16	12	10.0544	10.0544	10.0544	data periods of 10 minutes equals periods x 10		
9	11/9/2023 7:20		19	14	11.5964	11.5964	11.5964	3130	60	52.16666667
10	11/9/2023 7:30		29	21	16.7364	16.7364	16.7364	minutes divided by 60=	hours in 3 days 72 hour	
11	11/9/2023 7:40		30	23	17.2504	17.2504	17.2504	52.16666667	72	72.45%
12	11/9/2023 7:50		30	24	17.2504	17.2504	17.2504	hours divided by 72 = % days > 12ug/m3 PM2.5		
13	11/9/2023 8:00		32	26	18.2784	18.2784	18.2784	Above 25 micrograms per cubic meter PM2.5?		
14	11/9/2023 8:10		30	24	17.2504	17.2504	17.2504	145	10	1450
15	11/9/2023 8:20		19	15	11.5964	11.5964	11.5964	data periods of 10 minutes equals periods x 10		
16	11/9/2023 8:30		15	11	9.5404	9.5404	9.5404	1450	60	24.16666667
17	11/9/2023 8:40		13	10	8.5124	8.5124	8.5124	minutes divided by 60=	hours in 3 days 72 hour	
18	11/9/2023 8:50		13	10	8.5124	8.5124	8.5124	24.16666667	72	33.56%
19	11/9/2023 9:00		15	13	9.5404	9.5404	9.5404	hours divided by 72 = % days > 25ug/m3 PM2.5		
20	11/9/2023 9:10		13	9	8.5124	8.5124	8.5124	Above 35 micrograms per cubic meter PM2.5?		
21	11/9/2023 9:20		13	9	8.5124	8.5124	8.5124	33	10	330
22	11/9/2023 9:30		13	9	8.5124	8.5124	8.5124	data periods of 10 minutes equals periods x 10		
23	11/9/2023 9:40		14	10	9.0264	9.0264	9.0264	330	60	5.5
24	11/9/2023 9:50		17	14	10.5684	10.5684	10.5684	minutes divided by 60=	hours in 3 days 72 hour	
25	11/9/2023 10:00		19	17	11.5964	11.5964	11.5964	5.5	72	7.64%
26	11/9/2023 10:10		24	19	14.1664	14.1664	14.1664	hours divided by 72 = % days > 12ug/m3 PM2.5		
27	11/9/2023 10:20		27	24	15.7084	15.7084	15.7084	Kensington, CA		Highland A
28	11/9/2023 10:30		32	25	18.2784	18.2784	18.2784	See all 3 days of Excel data on PDF at		
29	11/9/2023 10:40		33	27	18.7924	18.7924	18.7924	https://rawsepresidents.wordpress.com		
30	11/9/2023 18:50		25	20	14.6804	14.6804	14.6804	Check C4	17.2504	
31	11/9/2023 19:00		21	17	12.6244	12.6244	12.6244			
32	11/9/2023 19:10		22	18	13.1384	13.1384	13.1384			
33	11/9/2023 19:20		22	16	13.1384	13.1384	13.1384			
34	11/9/2023 19:30		18	15	11.0824	11.0824	11.0824			
35	11/9/2023 19:40		21	16	12.6244	12.6244	12.6244			
36	11/9/2023 19:50		19	14	11.5964	11.5964	11.5964			
37	11/9/2023 20:00		19	14	11.5964	11.5964	11.5964			

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



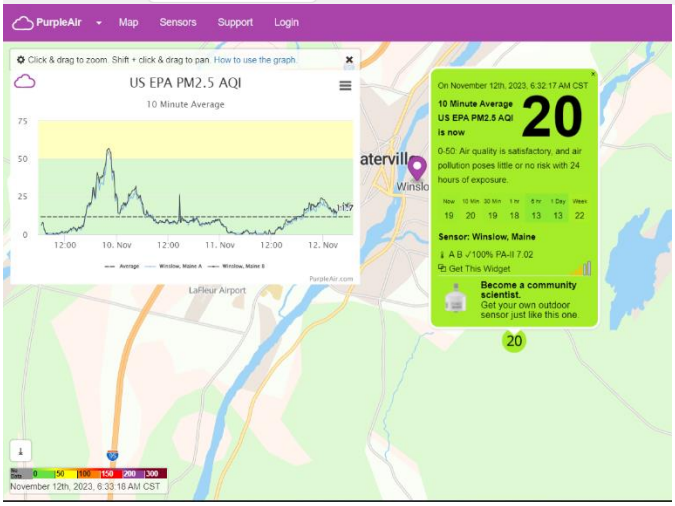
	A	B	C	D	E	F	G	H	I	J	K
1	% 3 days >NAAQS	94.68%	59.49%	27.08%	PA x 0.5140 + 1.8304	conversion		PA	0.514	1.8304	
2	Ewing A	12 ug/m3	25 ug/m3	35 ug/m3	409	257	117	number 10 minuteperiods in 72 hours,3 sheets			
3	DateTime	Average	Ewing A	Ewing B	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5			
4	11/9/23 6:50	49	45	37	24.9604	24.9604	24.9604	California, Trinidad		Ewing A	
5	11/9/23 7:00		37	31	20.8484	20.8484	20.8484	11/9/2023 6:50	to	11/12/2023 6:40	
6	11/9/23 7:10		48	39	26.5024	26.5024	26.5024	Above 12 micrograms per cubic meter PM2.5?			
7	11/9/23 7:20		46	39	25.4744	25.4744	25.4744	409	10	4090	
8	11/9/23 7:30		42	34	23.4184	23.4184	23.4184	data periods of 10 minutes equals periods x 10			
9	11/9/23 7:40		47	37	25.9884	25.9884	25.9884	4090	60	68.16666667	
10	11/9/23 7:50		41	38	22.9044	22.9044	22.9044	minutes divided by 60=	hours in 3 days 72 hour		
11	11/9/23 8:00		32	26	18.2784	18.2784	18.2784	68.16666667	72	94.68%	
12	11/9/23 8:10		55	49	30.1004	30.1004	30.1004	hours divided by 72 = % days > 12ug/m3 PM2.5			
13	11/9/23 8:20		48	39	26.5024	26.5024	26.5024	Above 25 micrograms per cubic meter PM2.5?			
14	11/9/23 8:30		40	31	22.3904	22.3904	22.3904	257	10	2570	
15	11/9/23 8:40		36	32	20.3344	20.3344	20.3344	data periods of 10 minutes equals periods x 10			
16	11/9/23 8:50		54	48	29.5864	29.5864	29.5864	2570	60	42.83333333	
17	11/9/23 9:00		55	51	30.1004	30.1004	30.1004	minutes divided by 60=	hours in 3 days 72 hour		
18	11/9/23 9:10		37	31	20.8484	20.8484	20.8484	42.83333333	72	59.49%	
19	11/9/23 9:20		55	50	30.1004	30.1004	30.1004	hours divided by 72 = % days > 25ug/m3 PM2.5			
20	11/9/23 9:30		45	35	24.9604	24.9604	24.9604	Above 35 micrograms per cubic meter PM2.5?			
21	11/9/23 9:40		54	44	29.5864	29.5864	29.5864	117	10	1170	
22	11/9/23 9:50		58	52	31.6424	31.6424	31.6424	data periods of 10 minutes equals periods x 10			
23	11/9/23 10:00		68	61	36.7824	36.7824	36.7824	1170	60	19.5	
24	11/9/23 10:10		51	40	28.0444	28.0444	28.0444	minutes divided by 60=	hours in 3 days 72 hour		
25	11/9/23 10:20		45	37	24.9604	24.9604	24.9604	19.5	72	27.08%	
26	11/9/23 10:30		62	53	33.6984	33.6984	33.6984	hours divided by 72 = % days > 12ug/m3 PM2.5			
27	11/9/23 10:40		54	47	29.5864	29.5864	29.5864	California, Trinidad		Ewing A	
28	11/9/23 10:50		49	37	27.0164	27.0164	27.0164	See all 3 days of Excel data on PDF at			
29	11/9/23 11:00		42	33	23.4184	23.4184	23.4184	https://rawsepresidents.wordpress.com			
30	11/9/23 11:10		48	36	26.5024	26.5024	26.5024	Check C4	24.9604		
31	11/9/23 11:20		39	32	21.8764	21.8764	21.8764				
32	11/9/23 11:30		43	34	23.9324	23.9324	23.9324				
33	11/9/23 11:40		44	33	24.4464	24.4464	24.4464				
34	11/9/23 11:50		40	31	22.3904	22.3904	22.3904				

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



	A	B	C	D	E	F	G	H	I	J
1	% 3 days >NAAQS	16.90%	1.62%	0.00%	PA x 0.5140 + 1.8304	conversion		PA	0.514	1.8304
2	Winslow, Maine A	12 ug/m3	25 ug/m3	35 ug/m3	73	7	0	no. 10 minute periods in 72 hours, 3 sheets		
3	DateTime	Average	Winslow, I	Winslow, I	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
4	11/9/2023 6:50	11.7	8	8	5.9424	5.9424	5.9424	Maine, Winslow		Winslow, Maine A
5	11/9/2023 7:00		6	7	4.9144	4.9144	4.9144	11/9/2023 6:50	to	11/12/2023 6:40
6	11/9/2023 7:10		3	3	3.3724	3.3724	3.3724	Above 12 micrograms per cubic meter PM2.5?		
7	11/9/2023 7:20		2	3	2.8584	2.8584	2.8584	73	10	730
8	11/9/2023 7:30		1	1	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10		
9	11/9/2023 7:40		1	0	2.3444	2.3444	2.3444	730	60	12.16666667
10	11/9/2023 7:50		1	1	2.3444	2.3444	2.3444	minutes divided by 60=	hours in 3 days 72 hour	
11	11/9/2023 8:00		1	0	2.3444	2.3444	2.3444	12.16666667	72	16.90%
12	11/9/2023 8:10		1	0	2.3444	2.3444	2.3444	hours divided by 72 = % days > 12ug/m3 PM2.5		
13	11/9/2023 8:20		0	0	1.8304	1.8304	1.8304	Above 25 micrograms per cubic meter PM2.5?		
14	11/9/2023 8:30		1	0	2.3444	2.3444	2.3444	7	10	70
15	11/9/2023 8:40		1	0	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10		
16	11/9/2023 8:50		0	0	1.8304	1.8304	1.8304	70	60	1.166666667
17	11/9/2023 9:00		1	0	2.3444	2.3444	2.3444	minutes divided by 60=	hours in 3 days 72 hour	
18	11/9/2023 9:10		0	0	1.8304	1.8304	1.8304	1.166666667	72	1.62%
19	11/9/2023 9:20		1	1	2.3444	2.3444	2.3444	hours divided by 72 = % days > 25ug/m3 PM2.5		
20	11/9/2023 9:30		0	0	1.8304	1.8304	1.8304	Above 35 micrograms per cubic meter PM2.5?		
21	11/9/2023 9:40		0	0	1.8304	1.8304	1.8304	0	10	0
22	11/9/2023 9:50		1	0	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10		
23	11/9/2023 10:00		1	1	2.3444	2.3444	2.3444	0	60	0
24	11/9/2023 10:10		0	1	1.8304	1.8304	1.8304	minutes divided by 60=	hours in 3 days 72 hour	
25	11/9/2023 10:20		1	0	2.3444	2.3444	2.3444	0	72	0.00%
26	11/9/2023 10:30		0	0	1.8304	1.8304	1.8304	hours divided by 72 = % days > 12ug/m3 PM2.5		
27	11/9/2023 10:40		0	1	1.8304	1.8304	1.8304	Maine, Winslow		Winslow, Maine A
28	11/9/2023 10:50		0	1	1.8304	1.8304	1.8304	See all 3 days of Excel data on PDF at		
29	11/9/2023 11:00		1	1	2.3444	2.3444	2.3444	https://rawsepresidents.wordpress.com		
30	11/9/2023 11:10		1	2	2.3444	2.3444	2.3444	Check C4	5.9424	
31	11/9/2023 11:20		2	2	2.8584	2.8584	2.8584			
32	11/9/2023 11:30		2	1	2.8584	2.8584	2.8584			
33	11/9/2023 11:40		2	1	2.8584	2.8584	2.8584			
34	11/9/2023 11:50		2	1	2.8584	2.8584	2.8584			

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



	A	B	C	D	E	F	G	H	I	J
1	% 3 days >NAAQS	66.44%	27.78%	11.57%	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	287	120	50	number10minuteperiods in 72hours, 3 sheets		
3	DateTime	Average	Elinor and	Elinor and	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
4	11/9/2023 6:50	35.6	23	22	13.6524	13.6524	13.6524	Wisconsin,Madison		Elinor and Gary A
5	11/9/2023 7:00		22	21	13.1384	13.1384	13.1384	11/9/2023 6:50	to	11/12/2023 6:40
6	11/9/2023 7:10		23	22	13.6524	13.6524	13.6524	Above 12 micrograms per cubic meter PM2.5?		
7	11/9/2023 7:20		24	24	14.1664	14.1664	14.1664	287	10	2870
8	11/9/2023 7:30		26	24	15.1944	15.1944	15.1944	data periods of 10 minutes equals periods x 10		
9	11/9/2023 7:40		26	24	15.1944	15.1944	15.1944	2870	60	47.83333333
10	11/9/2023 7:50		25	24	14.6804	14.6804	14.6804	minutes divided by 60=	hours in 3 days 72 hour	
11	11/9/2023 8:00		22	23	13.1384	13.1384	13.1384	47.83333333	72	66.44%
12	11/9/2023 8:10		24	23	14.1664	14.1664	14.1664	hours divided by 72 = % days > 12ug/m3 PM2.5		
13	11/9/2023 8:20		22	22	13.1384	13.1384	13.1384	Above 25 micrograms per cubic meter PM2.5?		
14	11/9/2023 8:30		21	20	12.6244	12.6244	12.6244	120	10	1200
15	11/9/2023 8:40		21	20	12.6244	12.6244	12.6244	data periods of 10 minutes equals periods x 10		
16	11/9/2023 8:50		19	19	11.5964	11.5964	11.5964	1200	60	20
17	11/9/2023 9:00		18	18	11.0824	11.0824	11.0824	minutes divided by 60=	hours in 3 days 72 hour	
18	11/9/2023 9:10		19	18	11.5964	11.5964	11.5964	20	72	27.78%
19	11/9/2023 9:20		17	16	10.5684	10.5684	10.5684	hours divided by 72 = % days > 25ug/m3 PM2.5		
20	11/9/2023 9:30		15	15	9.5404	9.5404	9.5404	Above 35 micrograms per cubic meter PM2.5?		
21	11/9/2023 9:40		15	15	9.5404	9.5404	9.5404	50	10	500
22	11/9/2023 9:50		14	12	9.0264	9.0264	9.0264	data periods of 10 minutes equals periods x 10		
23	11/9/2023 10:00		11	11	7.4844	7.4844	7.4844	500	60	8.333333333
24	11/9/2023 10:10		10	10	6.9704	6.9704	6.9704	minutes divided by 60=	hours in 3 days 72 hour	
25	11/9/2023 10:20		9	10	6.4564	6.4564	6.4564	8.333333333	72	11.57%
26	11/9/2023 10:30		9	8	6.4564	6.4564	6.4564	hours divided by 72 = % days > 12ug/m3 PM2.5		
27	11/9/2023 10:40		9	7	6.4564	6.4564	6.4564	Wisconsin,Madison		Elinor and Gary A
28	11/9/2023 10:50		9	8	6.4564	6.4564	6.4564	See all 3 days of Excel data on PDF at		
29	11/9/2023 11:00		9	6	6.4564	6.4564	6.4564	https://rawsepresidents.wordpress.com		
30	11/9/2023 11:10		10	7	6.9704	6.9704	6.9704	Check C4	13.6524	
31	11/9/2023 11:20		9	7	6.4564	6.4564	6.4564			
32	11/9/2023 11:30		8	7	5.9424	5.9424	5.9424			
33	11/9/2023 11:40		8	7	5.9424	5.9424	5.9424			
34	11/9/2023 11:50		10	7	6.9704	6.9704	6.9704			

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