

Episode 56LW November 21, 2023. Coast to Coast.

Location PM2.5 over 3 days above 35ug/m3 PM2.5	% above 12ug/m3 PM2.5	% above 125ug/m3 PM2.5	% above 35ug/m3 PM2.5
California, Kensington	7	3	0
California, Trinidad	63	18	3
Maine, Winslow 2	0	0	0
Wisconsin, Madison	96	46	25

Location PM2.5 over 3 days	% above 12ug/m3 PM2.5	% above 125ug/m3 PM2.5	% above 35ug/m3 PM2.5
California, Kensington	7	3	0
California, Trinidad	63	18	3
Maine, Winslow	2	0	0
Wisconsin, Madison	96	46	25

Correlation: PurpleAir to EPA (PA x 0.514) + 1.8304

Location	Highland A	Highland B
California, Kensington	7.18%	3.01%
Highland A	12 ug/m3	25 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

11/18/2023 6:50 to 11/21/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

31 10 310

data periods of 10 minutes equals periods x 10

minutes divided by 60= hours in 3 days 72 hour

5.17 72 7.18%

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

Above 25 micrograms per cubic meter PM2.5?

13 10 130

data periods of 10 minutes equals periods x 10

minutes divided by 60= hours in 3 days 72 hour

2.17 72 3.01%

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

minutes divided by 60= hours in 3 days 72 hour

0 60 0

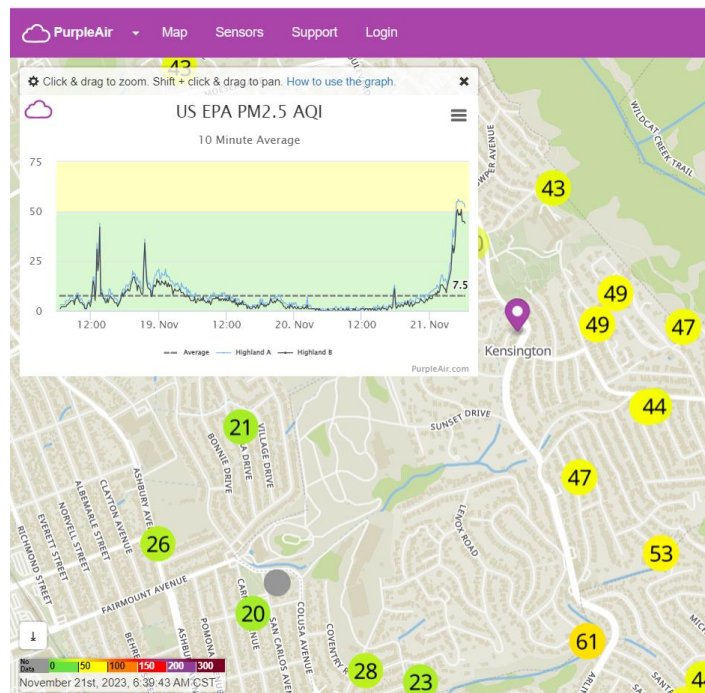
hours divided by 72 = % days > 12ug/m3 PM2.5

0 72 0.00%

California, Kensington

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	Correlation: PurpleAir to EPA (PA x 0.514) + 1.8304									
2	California, Kensington	Highland A								
3	% 3 days >NAAQS	7.18%	3.01%	0.00%	PA x 0.5140 + 1.8304	conversion	PA	0.514	1.8304	
4	Highland A	12 ug/m3	25 ug/m3	35 ug/m3	31	13	0	number10minuteperiods in 72hours, 3 sheets		
5	DateTime	Average	Highland A	Highland B	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
6	11/18/2023 6:50	7.8	3	2	3.3724	3.3724	3.3724	California, Kensington	Highland A	
7	11/18/2023 7:00		3	2	3.3724	3.3724	3.3724	11/18/2023 6:50	to	11/21/2023 6:40
8	11/18/2023 7:10		3	2	3.3724	3.3724	3.3724	Above 12 micrograms per cubic meter PM2.5?		
9	11/18/2023 7:20		3	2	3.3724	3.3724	3.3724	31	10	310
10	11/18/2023 7:30		5	2	4.4004	4.4004	4.4004	data periods of 10 minutes equals periods x 10		
11	11/18/2023 7:40		5	3	4.4004	4.4004	4.4004	310	60	5.17
12	11/18/2023 7:50		5	3	4.4004	4.4004	4.4004	minutes divided by 60= hours in 3 days 72 hour		
13	11/18/2023 8:00		5	4	4.4004	4.4004	4.4004	5.17	72	7.18%
14	11/18/2023 8:10		6	4	4.9144	4.9144	4.9144	hours divided by 72 = % days > 12ug/m3 PM2.5		
15	11/18/2023 8:20		7	5	5.4284	5.4284	5.4284	Above 25 micrograms per cubic meter PM2.5?		
16	11/18/2023 8:30		7	5	5.4284	5.4284	5.4284	13	10	130
17	11/18/2023 8:40		7	5	5.4284	5.4284	5.4284	data periods of 10 minutes equals periods x 10		
18	11/18/2023 8:50		6	5	4.9144	4.9144	4.9144	130	60	2.17
19	11/18/2023 9:00		5	3	4.4004	4.4004	4.4004	minutes divided by 60= hours in 3 days 72 hour		
20	11/18/2023 9:10		5	6	4.4004	4.4004	4.4004	2.17	72	3.01%
21	11/18/2023 9:20		8	6	5.9424	5.9424	5.9424	hours divided by 72 = % days > 25ug/m3 PM2.5		
22	11/18/2023 9:30		9	8	6.4564	6.4564	6.4564	Above 35 micrograms per cubic meter PM2.5?		
23	11/18/2023 9:40		9	6	6.4564	6.4564	6.4564	0	10	0
24	11/18/2023 9:50		6	5	4.9144	4.9144	4.9144	data periods of 10 minutes equals periods x 10		
25	11/18/2023 10:00		5	4	4.4004	4.4004	4.4004	0	60	0
26	11/18/2023 10:10		6	4	4.9144	4.9144	4.9144	minutes divided by 60= hours in 3 days 72 hour		
27	11/18/2023 10:20		6	4	4.9144	4.9144	4.9144	0	72	0.00%
28	11/18/2023 10:30		4	3	3.8864	3.8864	3.8864	hours divided by 72 = % days > 12ug/m3 PM2.5		
29	11/18/2023 10:40		4	3	3.8864	3.8864	3.8864	California, Kensington	Highland A	
30	11/18/2023 10:50		3	1	3.3724	3.3724	3.3724	See all 3 days of Excel data on PDF at		
31	11/18/2023 11:00		1	1	2.3444	2.3444	2.3444	https://rawsepresidents.wordpress.com		
32	11/18/2023 11:10		1	1	2.3444	2.3444	2.3444	Check C4		
33	11/18/2023 11:20		4	3	3.8864	3.8864	3.8864		3.3724	
34	11/18/2023 11:30		5	4	4.4004	4.4004	4.4004			

[us-epa-pm25-aqi](#)

YELLOW 12 sort

ORANGE 25 sort

RED 35 sort

Inst

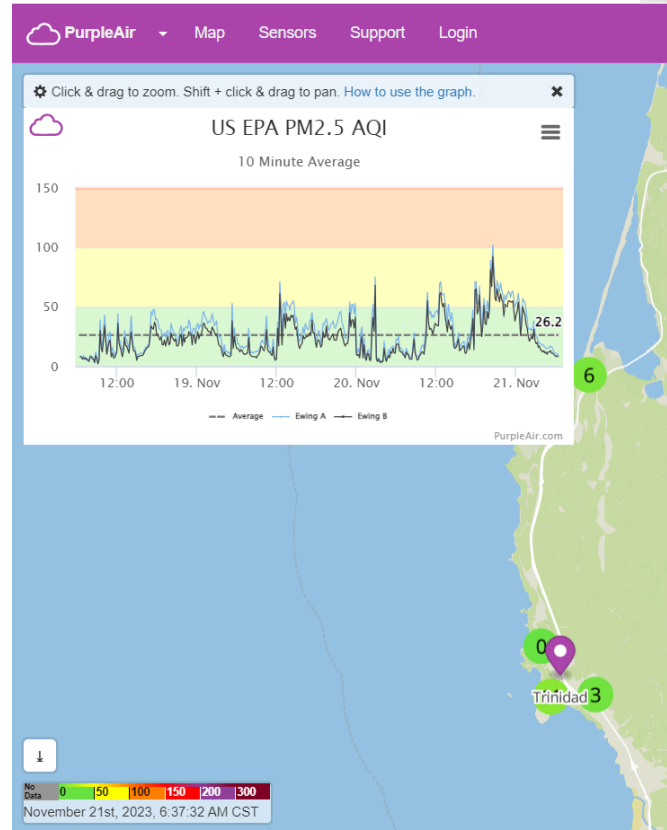
Correlation: PurpleAir to EPA (PA x 0.514)+1.8304

California, Trinidad	Ewing A	PM2.5
% 3 days >NAAQS	63.19%	18.29%
Ewing A	12 ug/m3	25 ug/m3
PA	0.514	1.8304

Location PM2.5 over 3 days	% above 12ug/m3 PM2.5	% above 125ug/m3 PM2.5	% above 35ug/m3 PM2.5
California, Kensington	7	3	0
California, Trinidad	63	18	3
Maine, Winslow	2	0	0
Wisconsin, Madison	96	46	25

number 10 minuteperiods in 72 hours,3 sheets
 12,25,35 micrograms per cubic meter PM2.5
 California, Trinidad Ewing A
 11/18/2023 6:50 to 11/21/2023 6:40

Above 12 micrograms per cubic meter PM2.5?
 273 10 2730
 data periods of 10 minutes equals periods x 10
 2730 60 45.50
 minutes divided by 60= hours in 3 days 72 hour
 45.50 72 63.19%
 hours divided by 72 = % days > 12ug/m3 PM2.5
 Above 25 micrograms per cubic meter PM2.5?
 79 10 790
 data periods of 10 minutes equals periods x 10
 790 60 13.17
 minutes divided by 60= hours in 3 days 72 hour
 13.17 72 18.29%
 hours divided by 72 = % days > 25ug/m3 PM2.5
 Above 35 micrograms per cubic meter PM2.5?
 16 10 160
 data periods of 10 minutes equals periods x 10
 160 60 2.67
 minutes divided by 60= hours in 3 days 72 hour
 2.67 72 3.70%
 hours divided by 72 = % days > 12ug/m3 PM2.5



	A	B	C	D	E	F	G	H	I	J
1	Correlation: PurpleAir to EPA (PA x 0.514)+1.8304									
2	California, Trinidad	Ewing A	PM2.5							
3	% 3 days >NAAQS	63.19%	18.29%	3.70%	PA x 0.5140 + 1.8304 conversion	PA		0.514		1.8304
4	Ewing A	12 ug/m3	25 ug/m3	35 ug/m3	273	79	16	number 10 minuteperiods in 72 hours,3 sheets		
	DateTime	Average	Ewing A	Ewing B	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5		
	11/18/23 6:50	26.2	7	6	5.4284	5.4284	5.4284	California, Trinidad	Ewing A	
	11/18/23 7:00		9	7	6.4564	6.4564	6.4564	11/18/2023 6:50	to	11/21/2023 6:40
	11/18/23 7:10		7	6	5.4284	5.4284	5.4284	Above 12 micrograms per cubic meter PM2.5?		
	11/18/23 7:20		6	7	4.9144	4.9144	4.9144	273	10	2730
	11/18/23 7:30		5	6	4.4004	4.4004	4.4004	data periods of 10 minutes equals periods x 10		
	11/18/23 7:40		6	5	4.9144	4.9144	4.9144	2730	60	45.50
	11/18/23 7:50		5	4	4.4004	4.4004	4.4004	minutes divided by 60= hours in 3 days 72 hour		
	11/18/23 8:00		9	8	6.4564	6.4564	6.4564	45.50	72	63.19%
	11/18/23 8:10		8	8	5.9424	5.9424	5.9424	hours divided by 72 = % days > 12ug/m3 PM2.5		
	11/18/23 8:20		8	6	5.9424	5.9424	5.9424	Above 25 micrograms per cubic meter PM2.5?		
	11/18/23 8:30		7	6	5.4284	5.4284	5.4284	79	10	790
	11/18/23 8:40		3	3	3.3724	3.3724	3.3724	data periods of 10 minutes equals periods x 10		
	11/18/23 8:50		12	9	7.9984	7.9984	7.9984	790	60	13.17
	11/18/23 9:00		8	6	5.9424	5.9424	5.9424	minutes divided by 60= hours in 3 days 72 hour		
	11/18/23 9:10		3	2	3.3724	3.3724	3.3724	13.17	72	18.29%
	11/18/23 9:20		6	5	4.9144	4.9144	4.9144	hours divided by 72 = % days > 25ug/m3 PM2.5		
	11/18/23 9:30		39	30	21.8764	21.8764	21.8764	Above 35 micrograms per cubic meter PM2.5?		
	11/18/23 9:40		20	15	12.1104	12.1104	12.1104	16	10	160
	11/18/23 9:50		15	12	9.5404	9.5404	9.5404	data periods of 10 minutes equals periods x 10		
	11/18/23 10:00		29	22	16.7364	16.7364	16.7364	160	60	2.67
	11/18/23 10:10		43	34	23.9324	23.9324	23.9324	minutes divided by 60= hours in 3 days 72 hour		
	11/18/23 10:20		28	22	16.2224	16.2224	16.2224	2.67	72	3.70%
	11/18/23 10:30		12	10	7.9984	7.9984	7.9984	hours divided by 72 = % days > 12ug/m3 PM2.5		
	11/18/23 10:40		18	15	11.0824	11.0824	11.0824	California, Trinidad	Ewing A	
	11/18/23 10:50		27	20	15.7084	15.7084	15.7084	See all 3 days of Excel data on PDF at		
	11/18/23 11:00		29	22	16.7364	16.7364	16.7364	https://rawsepresidents.wordpress.com		
	11/18/23 11:10		10	8	6.9704	6.9704	6.9704	Check C4	21.8764	
	11/18/23 11:20		16	11	10.0544	10.0544	10.0544			
	11/18/23 11:30		12	7	7.9984	7.9984	7.9984			

California, Trinidad Ewing A
 See all 3 days of Excel data on PDF at
<https://rawsepresidents.wordpress.com>

Correlation: PurpleAir to EPA (PA x 0.514)+1.8304

Maine, Winslow Winslow, Maine A
 % 3 days >NAAQS 2.08% 0.00% 0.00%
 Winslow, Maine A 12 ug/m3 25 ug/m3 35 ug/m3
 PA 0.514 1.8304

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

Maine, Winslow Winslow, Maine A
 11/18/2023 6:50 to 11/21/2023 6:40

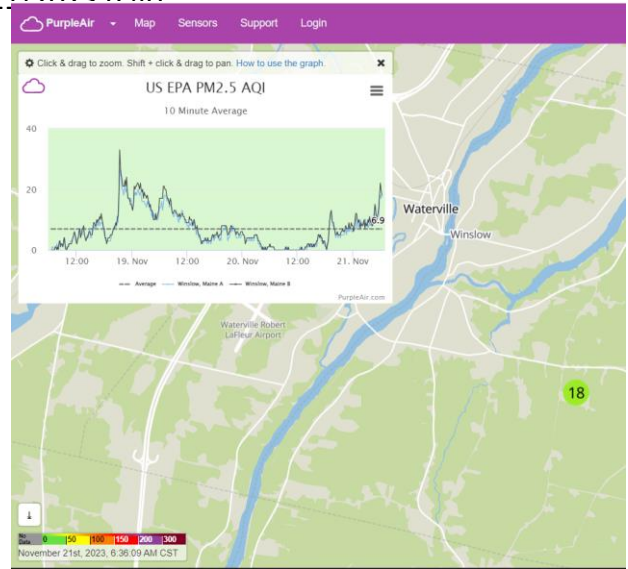
Above 12 micrograms per cubic meter PM2.5?
 9 10 90
 data periods of 10 minutes equals periods x 10
 90 60 1.50
 minutes divided by 60= hours in 3 days 72 hour
 1.50 72 2.08%

hours divided by 72 = % days > 12ug/m3 PM2.5
 Above 25 micrograms per cubic meter PM2.5?
 0 10 0
 data periods of 10 minutes equals periods x 10
 0 60 0.00
 minutes divided by 60= hours in 3 days 72 hour
 0.00 72 0.00%

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 0.00
 minutes divided by 60= hours in 3 days 72 hour
 0.00 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>



Location PM2.5 over 3 days	% above 12ug/m3 PM2.5	% above 125ug/m3 PM2.5	% above 35ug/m3 PM2.5
California, Kensington	7	3	0
California, Trinidad	63	18	3
Maine, Winslow	2	0	0
Wisconsin, Madison	96	46	25

	A	B	C	D	E	F	G	H	I	J	
1	Correlation: PurpleAir to EPA (PA x 0.514)+1.8304										
2	Maine, Winslow	Winslow, Maine A									
3	% 3 days >NAAQS	2.08%	0.00%	0.00%	PA x 0.5140 + 1.8304 conversion	PA	0.514	1.8304			
4	Winslow, Maine A	12 ug/m3	25 ug/m3	35 ug/m3	9	0	0	no. 10 minute periods in 72 hours, 3 sheets			
5	DateTime	Average	Winslow, f	Winslow, f	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5			
6	11/18/2023 6:50	7	1	0	2.3444	2.3444	2.3444	Maine, Winslow	Winslow, Maine A		
7	11/18/2023 7:00		0	0	1.8304	1.8304	1.8304	11/18/2023 6:50	to	11/21/2023 6:40	
8	11/18/2023 7:10		0	0	1.8304	1.8304	1.8304	Above 12 micrograms per cubic meter PM2.5?			
9	11/18/2023 7:20		1	1	2.3444	2.3444	2.3444	9	10	90	
10	11/18/2023 7:30		1	1	2.3444	2.3444	2.3444	data periods of 10 minutes equals periods x 10			
11	11/18/2023 7:40		2	0	2.8584	2.8584	2.8584	90	60	1.50	
12	11/18/2023 7:50		1	1	2.3444	2.3444	2.3444	minutes divided by 60= hours in 3 days 72 hour			
13	11/18/2023 8:00		1	0	2.3444	2.3444	2.3444	1.50	72	2.08%	
14	11/18/2023 8:10		3	2	3.3724	3.3724	3.3724	hours divided by 72 = % days > 12ug/m3 PM2.5			
15	11/18/2023 8:20		3	3	3.3724	3.3724	3.3724	Above 25 micrograms per cubic meter PM2.5?			
16	11/18/2023 8:30		2	1	2.8584	2.8584	2.8584	0	10	0	
17	11/18/2023 8:40		2	2	2.8584	2.8584	2.8584	data periods of 10 minutes equals periods x 10			
18	11/18/2023 8:50		2	2	2.8584	2.8584	2.8584	0	60	0.00	
19	11/18/2023 9:00		1	1	2.3444	2.3444	2.3444	minutes divided by 60= hours in 3 days 72 hour			
20	11/18/2023 9:10		4	3	3.8864	3.8864	3.8864	0.00	72	0.00%	
21	11/18/2023 9:20		4	4	3.8864	3.8864	3.8864	hours divided by 72 = % days > 25ug/m3 PM2.5			
22	11/18/2023 9:30		1	1	2.3444	2.3444	2.3444	Above 35 micrograms per cubic meter PM2.5?			
23	11/18/2023 9:40		1	0	2.3444	2.3444	2.3444	0	10	0	
24	11/18/2023 9:50		0	0	1.8304	1.8304	1.8304	data periods of 10 minutes equals periods x 10			
25	11/18/2023 10:00		1	1	2.3444	2.3444	2.3444	0	60	0.00	
26	11/18/2023 10:10		2	1	2.8584	2.8584	2.8584	minutes divided by 60= hours in 3 days 72 hour			
27	11/18/2023 10:20		2	2	2.8584	2.8584	2.8584	0.00	72	0.00%	
28	11/18/2023 10:30		2	2	2.8584	2.8584	2.8584	hours divided by 72 = % days > 12ug/m3 PM2.5			
29	11/18/2023 10:40		3	2	3.3724	3.3724	3.3724	Maine, Winslow	Winslow, Maine A		
30	11/18/2023 10:50		3	2	3.3724	3.3724	3.3724	See all 3 days of Excel data on PDF at			
31	11/18/2023 11:00		3	3	3.3724	3.3724	3.3724	https://rawsepresidents.wordpress.com			
32	11/18/2023 11:10		4	4	3.8864	3.8864	3.8864	Check C4	2.3444		
33	11/18/2023 11:20		5	5	4.4004	4.4004	4.4004				
34	11/18/2023 11:30		6	6	4.9144	4.9144	4.9144				

Correlation: PurpleAir to EPA (PA x 0.514)+1.8304

Wisconsin, Madison

Elinor and Gary A

% 3 days >NAAQS	96.99%	46.53%	25.93%
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

11/18/2023 6:50 to 11/21/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

419 10 4190

data periods of 10 minutes equals periods x 10

4190 60 69.83

minutes divided by 60= hours in 3 days 72 hour

69.83 72 96.99%

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

Above 25 micrograms per cubic meter PM2.5?

201 10 2010

data periods of 10 minutes equals periods x 10

2010 60 33.5

minutes divided by 60= hours in 3 days 72 hour

33.5 72 46.53%

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

Above 35 micrograms per cubic meter PM2.5?

112 10 1120

data periods of 10 minutes equals periods x 10

1120 60 18.67

minutes divided by 60= hours in 3 days 72 hour

18.67 72 25.93%

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>

Location PM2.5 over 3 days	% above 12ug/m3 PM2.5	% above 125ug/m3 PM2.5	% above 35ug/m3 PM2.5
California, Kensington	7	3	0
California, Trinidad	63	18	3
Maine, Winslow	2	0	0
Wisconsin, Madison	96	46	25

A	B	C	D	E	F	G	H	I	J
1	Correlation: PurpleAir to EPA (PA x 0.514)+1.8304								
2	Wisconsin, Madison		Elinor and Gary A						
3	% 3 days >NAAQS	96.99%	46.53%	25.93%	PA x 0.5140 + 1.8304	conversion	PA	0.514	1.8304
4	Elinor and Gary A	12 ug/m3	25 ug/m3	35 ug/m3	419	201	112	number10minuteperiods in 72hours, 3 sheets	12,25,35 micrograms per cubic meter PM2.5
5	DateTime	Average	Elinor and Gary A	Elinor and Gary B	above12	above25	above35		
6	11/18/2023 6:50	52.7	33	31	18.7924	18.7924	18.7924	Wisconsin, Madison	Elinor and Gary A
7	11/18/2023 7:00		29	30	16.7364	16.7364	16.7364	11/18/2023 6:50	to 11/21/2023 6:40
8	11/18/2023 7:10		28	27	16.2224	16.2224	16.2224	Above 12 micrograms per cubic meter PM2.5?	
9	11/18/2023 7:20		30	28	17.2504	17.2504	17.2504	419	10 4190
10	11/18/2023 7:30		29	27	16.7364	16.7364	16.7364	data periods of 10 minutes equals periods x 10	
11	11/18/2023 7:40		26	27	15.1944	15.1944	15.1944	4190	60 69.83
12	11/18/2023 7:50		25	23	14.6804	14.6804	14.6804	minutes divided by 60= hours in 3 days 72 hour	
13	11/18/2023 8:00		26	23	15.1944	15.1944	15.1944	69.83	72 96.99%
14	11/18/2023 8:10		24	24	14.1664	14.1664	14.1664	hours divided by 72 = % days > 12ug/m3 PM2.5	
15	11/18/2023 8:20		24	24	14.1664	14.1664	14.1664	Above 25 micrograms per cubic meter PM2.5?	
16	11/18/2023 8:30		25	26	14.6804	14.6804	14.6804	201	10 2010
17	11/18/2023 8:40		42	43	23.4184	23.4184	23.4184	data periods of 10 minutes equals periods x 10	
18	11/18/2023 8:50		36	36	20.3344	20.3344	20.3344	2010	60 33.5
19	11/18/2023 9:00		29	28	16.7364	16.7364	16.7364	minutes divided by 60= hours in 3 days 72 hour	
20	11/18/2023 9:10		56	56	30.6144	30.6144	30.6144	33.5	72 46.53%
21	11/18/2023 9:20		60	63	32.6704	32.6704	32.6704	hours divided by 72 = % days > 25ug/m3 PM2.5	
22	11/18/2023 9:30		61	58	33.1844	33.1844	33.1844	Above 35 micrograms per cubic meter PM2.5?	
23	11/18/2023 9:40		53	53	29.0724	29.0724	29.0724	112	10 1120
24	11/18/2023 9:50		42	42	23.4184	23.4184	23.4184	data periods of 10 minutes equals periods x 10	
25	11/18/2023 10:00		25	25	14.6804	14.6804	14.6804	1120	60 18.67
26	11/18/2023 10:10		27	28	15.7084	15.7084	15.7084	minutes divided by 60= hours in 3 days 72 hour	
27	11/18/2023 10:20		27	30	15.7084	15.7084	15.7084	18.67	72 25.93%
28	11/18/2023 10:30		29	33	16.7364	16.7364	16.7364	hours divided by 72 = % days > 12ug/m3 PM2.5	
29	11/18/2023 10:40		51	53	28.0444	28.0444	28.0444	Wisconsin, Madison	Elinor and Gary A
30	11/18/2023 10:50		53	52	29.0724	29.0724	29.0724	See all 3 days of Excel data on PDF at	
31	11/18/2023 11:00		34	36	19.3064	19.3064	19.3064	https://rawsepresidents.wordpress.com	
32	11/18/2023 11:10		39	38	21.8764	21.8764	21.8764	Check C4	18.7924
33	11/18/2023 11:20		38	37	21.3624	21.3624	21.3624		
34	11/18/2023 11:30		36	37	20.3344	20.3344	20.3344		

