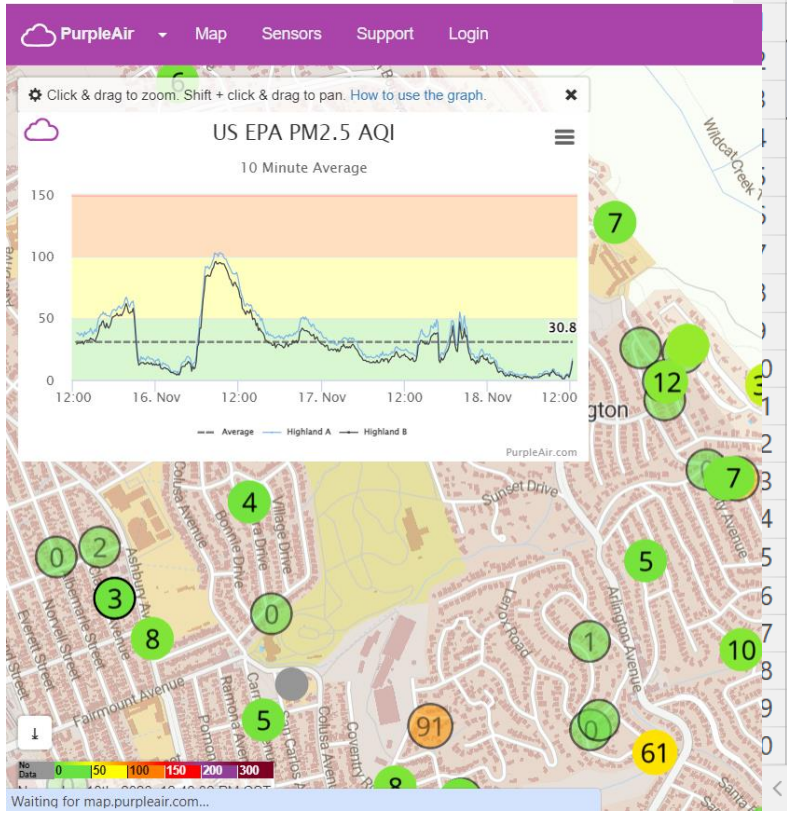
Episode 56LT November 18, 2023. Coast to Coast.

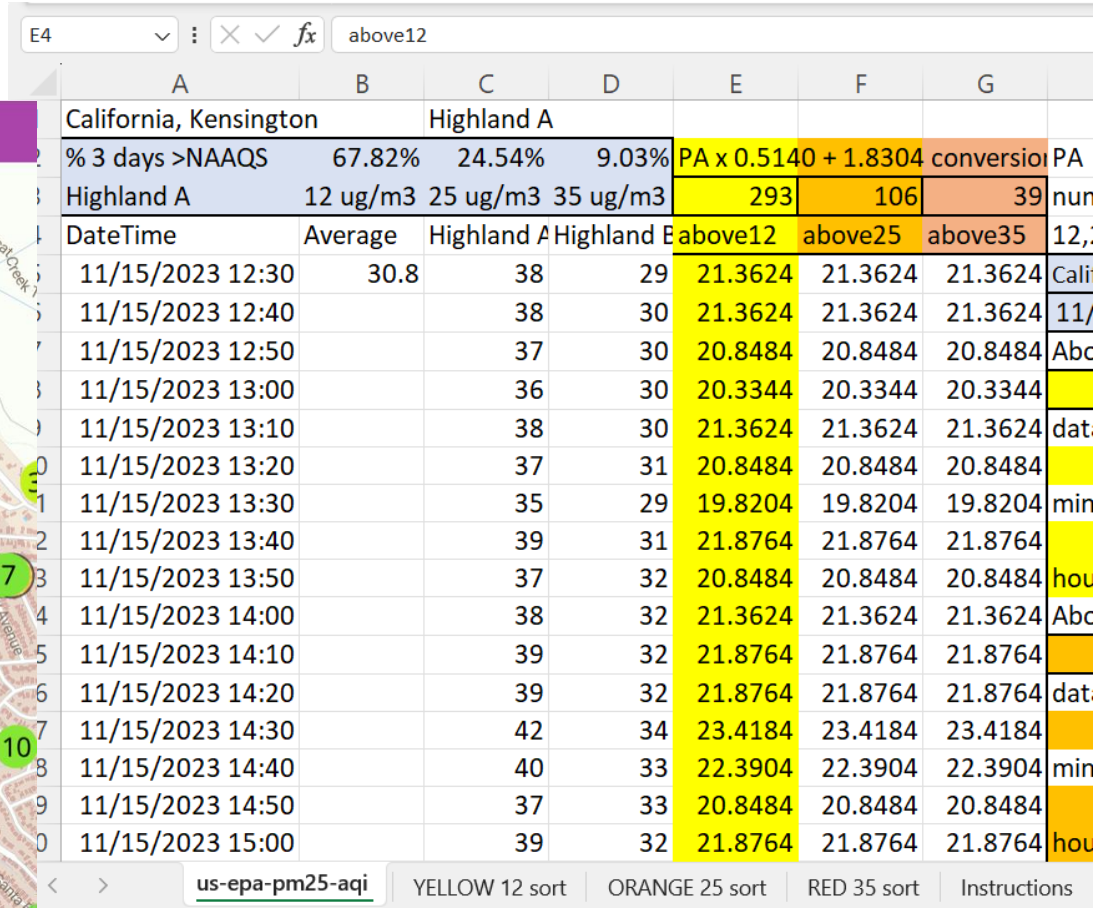
% 3 days >NAAQS PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28

California, Kensington Highland A

% 3 days >NAAQS 67.82% 24.54% 9.03% PA x 0.5140 + 1.8304 conversion

Highland A 12 ug/m3 25 ug/m3 35 ug/m3 293 106 39
DateTime Average Highland A Highland B above12 above25 above35
PA 0.514 1.8304
number10minuteperiods in 72hours, 3 sheets
12,25,35 micrograms per cubic meter PM2.5
California, Kensington Highland A
11/15/2023 12:30 to 11/18/2023 12:20
Above 12 micrograms per cubic meter PM2.5?
293 10 2930
data periods of 10 minutes equals periods x 10
2930 60 48.83
minutes divided by 60= hours in 3 days 72 hour
48.83 72 67.82%
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
106 10 1060
data periods of 10 minutes equals periods x 10
1060 60 17.67
minutes divided by 60= hours in 3 days 72 hour
17.67 72 24.54%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
39 10 390
data periods of 10 minutes equals periods x 10
390 60 6.5
minutes divided by 60= hours in 3 days 72 hour
6.5 72 9.03%
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





California, Trinidad Ewing A PM2.5

% 3 days >NAAQS 62.73% 21.53% 2.55% PA x 0.5140 + 1.8304 conversion

Ewing A 12 ug/m3 25 ug/m3 35 ug/m3 271 93 11

DateTime Average Ewing A Ewing B above12 above25 above35PA 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

11/15/2023 12:30 to 11/18/2023 12:20

Above 12 micrograms per cubic meter PM2.5?

271 10 2710

data periods of 10 minutes equals periods x 10

2710 60 45.17

minutes divided by 60= hours in 3 days 72 hour

45.17 72 62.73%

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

Above 25 micrograms per cubic meter PM2.5?

93 10 930

data periods of 10 minutes equals periods x 10

930 60 15.50

minutes divided by 60= hours in 3 days 72 hour

15.50 72 21.53%

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%

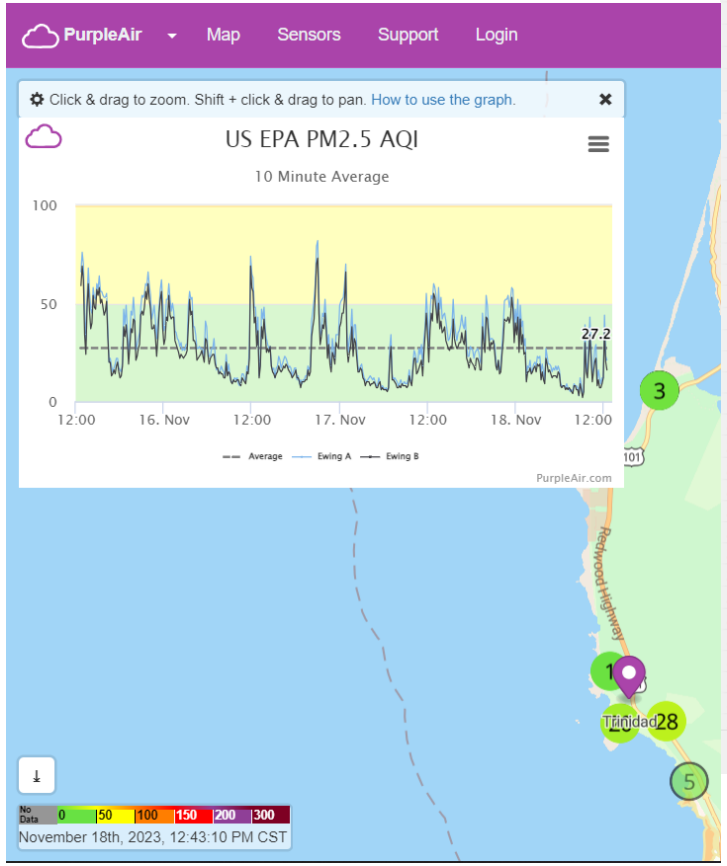
hours divided by 72 = % days > 12ug/m3 PM2.5

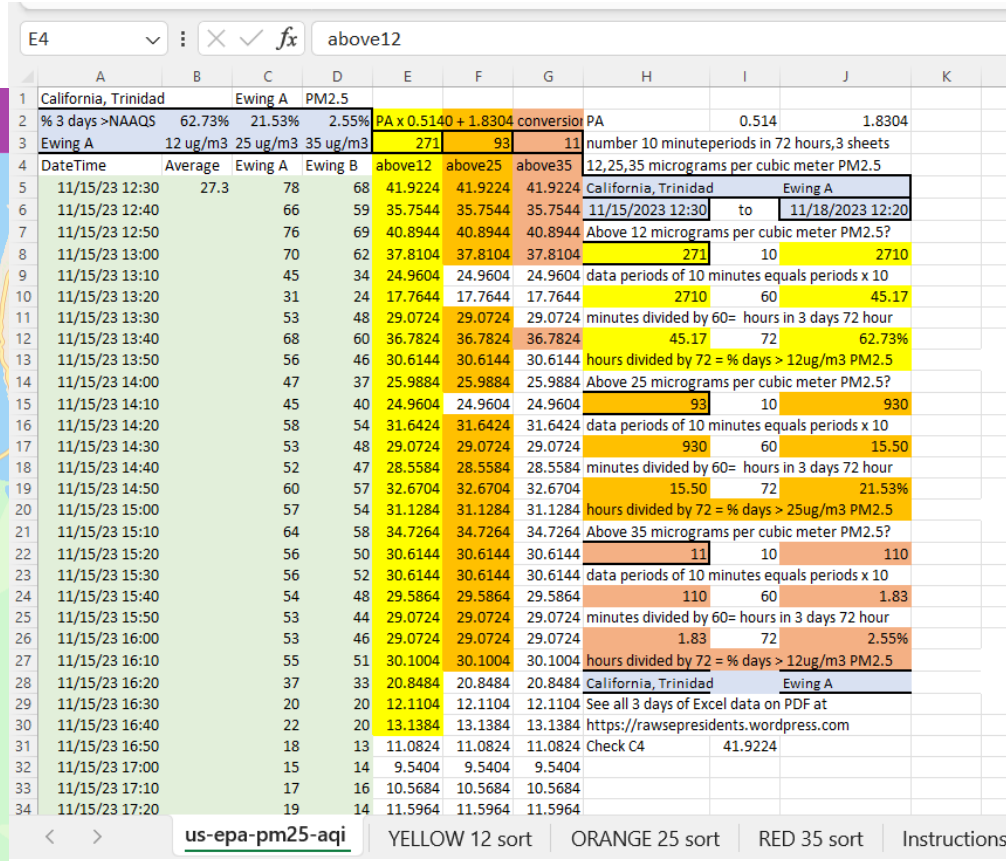
California, Trinidad Ewing A

See all 3 days of Excel data on PDF at

https://rawsepresidents.wordpress.com

% 3 days >NAAQS PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28





E4 above12

	A	B	C	D	E	F	G	H	I	J
1	California, Trinidad		Ewing A	PM2.5						
2	% 3 days >NAAQS	62.73%	21.53%	2.55%	PA x 0.5140 + 1.8304	conversion		PA	0.514	1.8304
3	Ewing A	12 ug/m3	25 ug/m3	35 ug/m3	271	93	11	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	11/15/23 12:30	27.3	78	68	41.9224	41.9224	41.9224	California, Trinidad		Ewing A
6	11/15/23 12:40		66	59	35.7544	35.7544	35.7544	11/15/2023 12:30	to	11/18/2023 12:20
7	11/15/23 12:50		76	69	40.8944	40.8944	40.8944	Above 12 micrograms per cubic meter PM2.5?		
8	11/15/23 13:00		70	62	37.8104	37.8104	37.8104	271	10	2710
9	11/15/23 13:10		45	34	24.9604	24.9604	24.9604	data periods of 10 minutes equals periods x 10		
10	11/15/23 13:20		31	24	17.7644	17.7644	17.7644	2710	60	45.17
11	11/15/23 13:30		53	48	29.0724	29.0724	29.0724	minutes divided by 60= hours in 3 days 72 hour		
12	11/15/23 13:40		68	60	36.7824	36.7824	36.7824	45.17	72	62.73%
13	11/15/23 13:50		56	46	30.6144	30.6144	30.6144	hours divided by 72 = % days > 12ug/m3 PM2.5		
14	11/15/23 14:00		47	37	25.9884	25.9884	25.9884	Above 25 micrograms per cubic meter PM2.5?		
15	11/15/23 14:10		45	40	24.9604	24.9604	24.9604	93	10	930
16	11/15/23 14:20		58	54	31.6424	31.6424	31.6424	data periods of 10 minutes equals periods x 10		
17	11/15/23 14:30		53	48	29.0724	29.0724	29.0724	930	60	15.50
18	11/15/23 14:40		52	47	28.5584	28.5584	28.5584	minutes divided by 60= hours in 3 days 72 hour		
19	11/15/23 14:50		60	57	32.6704	32.6704	32.6704	15.50	72	21.53%
20	11/15/23 15:00		57	54	31.1284	31.1284	31.1284	hours divided by 72 = % days > 25ug/m3 PM2.5		
21	11/15/23 15:10		64	58	34.7264	34.7264	34.7264	Above 35 micrograms per cubic meter PM2.5?		
22	11/15/23 15:20		56	50	30.6144	30.6144	30.6144	11	10	110
23	11/15/23 15:30		56	52	30.6144	30.6144	30.6144	data periods of 10 minutes equals periods x 10		
24	11/15/23 15:40		54	48	29.5864	29.5864	29.5864	110	60	1.83
25	11/15/23 15:50		53	44	29.0724	29.0724	29.0724	minutes divided by 60= hours in 3 days 72 hour		
26	11/15/23 16:00		53	46	29.0724	29.0724	29.0724	1.83	72	2.55%
27	11/15/23 16:10		55	51	30.1004	30.1004	30.1004	hours divided by 72 = % days > 12ug/m3 PM2.5		
28	11/15/23 16:20		37	33	20.8484	20.8484	20.8484	California, Trinidad		Ewing A
29	11/15/23 16:30		20	20	12.1104	12.1104	12.1104	See all 3 days of Excel data on PDF at		
30	11/15/23 16:40		22	20	13.1384	13.1384	13.1384	https://rawsepresidents.wordpress.com		
31	11/15/23 16:50		18	13	11.0824	11.0824	11.0824	Check C4	41.9224	
32	11/15/23 17:00		15	14	9.5404	9.5404	9.5404			
33	11/15/23 17:10		17	16	10.5684	10.5684	10.5684			
34	11/15/23 17:20		19	14	11.5964	11.5964	11.5964			

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

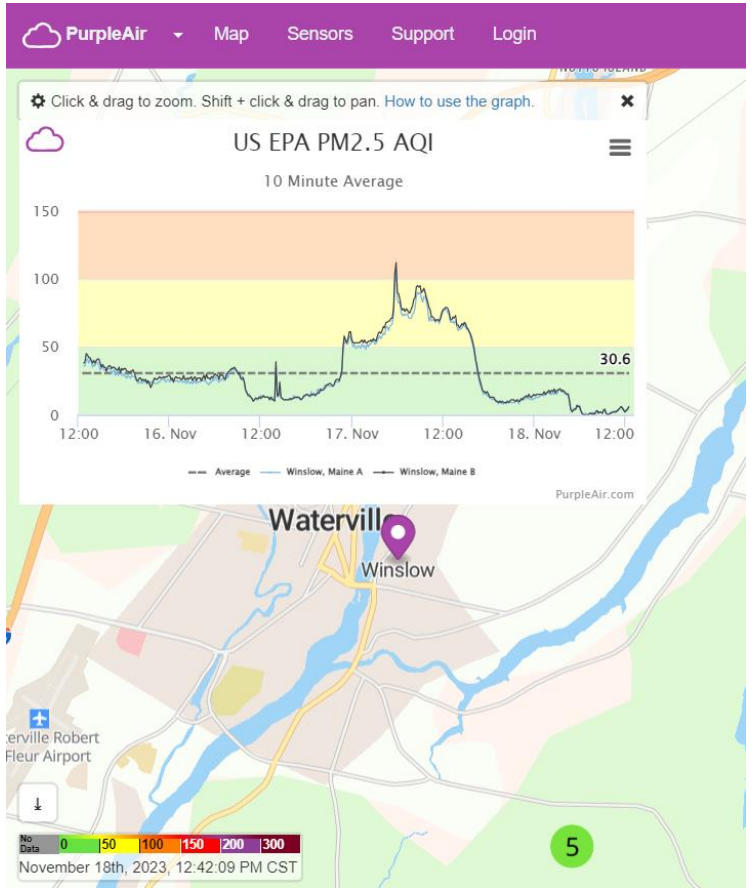
% 3 days >NAAQS PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28

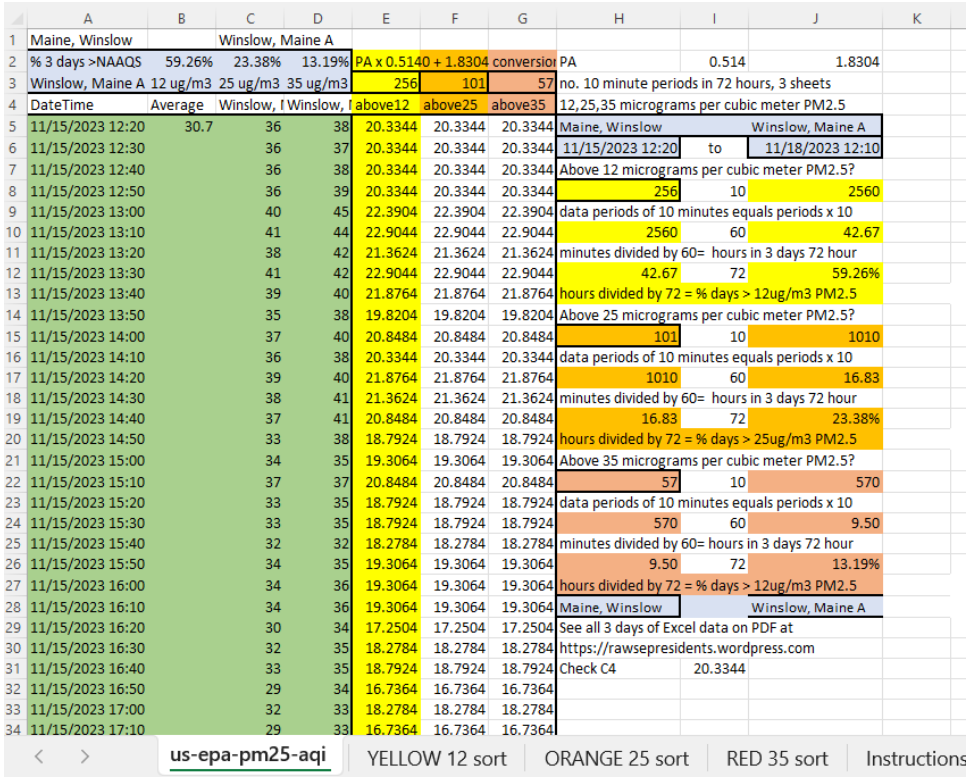
Maine, Winslow Winslow, Maine A

% 3 days >NAAQS	59.26%	23.38%	13.19%	PA x 0.5140 + 1.8304	
conversion					
Winslow, Maine A	12 ug/m3	25 ug/m3	35 ug/m3	256	101
57					

DateTime Average Winslow, Maine A Winslow, Maine B
above12 above25 above35
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
11/15/2023 12:20 to 11/18/2023 12:10
Above 12 micrograms per cubic meter PM2.5?
256 10 2560
data periods of 10 minutes equals periods x 10
2560 60 42.67
minutes divided by 60= hours in 3 days 72 hour
42.67 72 59.26%
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
101 10 1010
data periods of 10 minutes equals periods x 10
1010 60 16.83
minutes divided by 60= hours in 3 days 72 hour
16.83 72 23.38%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
57 10 570
data periods of 10 minutes equals periods x 10
570 60 9.50
minutes divided by 60= hours in 3 days 72 hour
9.50 72 13.19%
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 PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28





	A	B	C	D	E	F	G	H	I	J	K
1	Maine, Winslow		Winslow, Maine A								
2	% 3 days >NAAQS	59.26%	23.38%	13.19%	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	256	101	57	no. 10 minute periods in 72 hours, 3 sheets			
4	DateTime	Average	Winslow, M	Winslow, M	above12	above25	above35	12,25,35 micrograms per cubic meter PM2.5			
5	11/15/2023 12:20	30.7	36	38	20.3344	20.3344	20.3344	Maine, Winslow		Winslow, Maine A	
6	11/15/2023 12:30		36	37	20.3344	20.3344	20.3344	11/15/2023 12:20	to	11/18/2023 12:10	
7	11/15/2023 12:40		36	38	20.3344	20.3344	20.3344	Above 12 micrograms per cubic meter PM2.5?			
8	11/15/2023 12:50		36	39	20.3344	20.3344	20.3344	256	10	2560	
9	11/15/2023 13:00		40	45	22.3904	22.3904	22.3904	data periods of 10 minutes equals periods x 10			
10	11/15/2023 13:10		41	44	22.9044	22.9044	22.9044	2560	60	42.67	
11	11/15/2023 13:20		38	42	21.3624	21.3624	21.3624	minutes divided by 60= hours in 3 days 72 hour			
12	11/15/2023 13:30		41	42	22.9044	22.9044	22.9044	42.67	72	59.26%	
13	11/15/2023 13:40		39	40	21.8764	21.8764	21.8764	hours divided by 72 = % days > 12ug/m3 PM2.5			
14	11/15/2023 13:50		35	38	19.8204	19.8204	19.8204	Above 25 micrograms per cubic meter PM2.5?			
15	11/15/2023 14:00		37	40	20.8484	20.8484	20.8484	101	10	1010	
16	11/15/2023 14:10		36	38	20.3344	20.3344	20.3344	data periods of 10 minutes equals periods x 10			
17	11/15/2023 14:20		39	40	21.8764	21.8764	21.8764	1010	60	16.83	
18	11/15/2023 14:30		38	41	21.3624	21.3624	21.3624	minutes divided by 60= hours in 3 days 72 hour			
19	11/15/2023 14:40		37	41	20.8484	20.8484	20.8484	16.83	72	23.38%	
20	11/15/2023 14:50		33	38	18.7924	18.7924	18.7924	hours divided by 72 = % days > 25ug/m3 PM2.5			
21	11/15/2023 15:00		34	35	19.3064	19.3064	19.3064	Above 35 micrograms per cubic meter PM2.5?			
22	11/15/2023 15:10		37	37	20.8484	20.8484	20.8484	57	10	570	
23	11/15/2023 15:20		33	35	18.7924	18.7924	18.7924	data periods of 10 minutes equals periods x 10			
24	11/15/2023 15:30		33	35	18.7924	18.7924	18.7924	570	60	9.50	
25	11/15/2023 15:40		32	32	18.2784	18.2784	18.2784	minutes divided by 60= hours in 3 days 72 hour			
26	11/15/2023 15:50		34	35	19.3064	19.3064	19.3064	9.50	72	13.19%	
27	11/15/2023 16:00		34	36	19.3064	19.3064	19.3064	hours divided by 72 = % days > 12ug/m3 PM2.5			
28	11/15/2023 16:10		34	36	19.3064	19.3064	19.3064	Maine, Winslow		Winslow, Maine A	
29	11/15/2023 16:20		30	34	17.2504	17.2504	17.2504	See all 3 days of Excel data on PDF at			
30	11/15/2023 16:30		32	35	18.2784	18.2784	18.2784	https://rawsepresidents.wordpress.com			
31	11/15/2023 16:40		33	35	18.7924	18.7924	18.7924	Check C4	20.3344		
32	11/15/2023 16:50		29	34	16.7364	16.7364	16.7364				
33	11/15/2023 17:00		32	33	18.2784	18.2784	18.2784				
34	11/15/2023 17:10		29	33	16.7364	16.7364	16.7364				

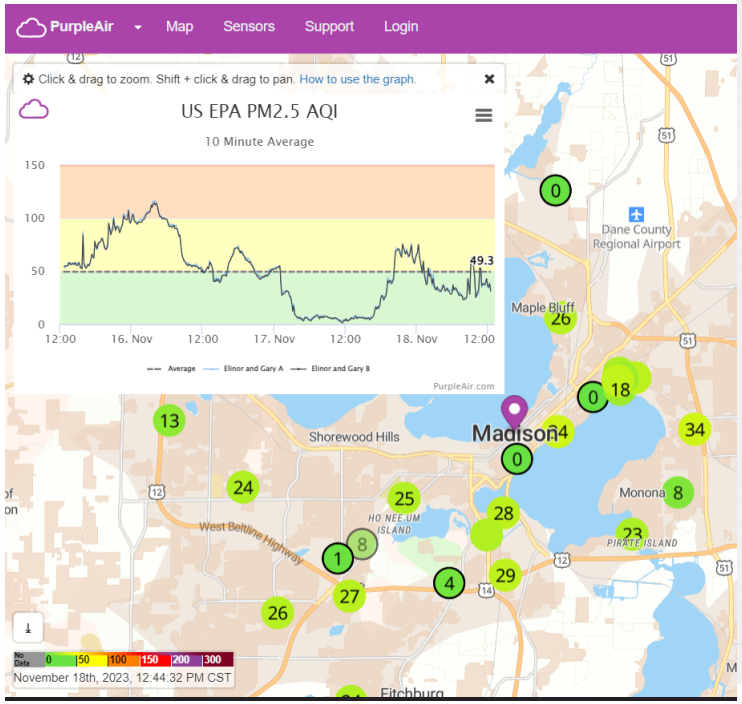
us-epa-pm25-aqi | YELLOW 12 sort | ORANGE 25 sort | RED 35 sort | Instructions

% 3 days >NAAQS PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28

Wisconsin,Madison Elinor and Gary A

% 3 days >NAAQS 79.40% 57.41% 28.01% PA x 0.5140 + 1.8304 conversion
Elinor and Gary A 12 ug/m3 25 ug/m3 35 ug/m3 343 248 121
DateTime Average Elinor and Gary A Elinor and Gary B above12 above25 above35
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
11/15/2023 12:20 to 11/18/2023 12:10
Above 12 micrograms per cubic meter PM2.5?
343 10 3430
data periods of 10 minutes equals periods x 10
3430 60 57.17
minutes divided by 60= hours in 3 days 72 hour
57.17 72 79.40%
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
248 10 2480
data periods of 10 minutes equals periods x 10
2480 60 41.33333333
minutes divided by 60= hours in 3 days 72 hour
41.33333333 72 57.41%
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
121 10 1210
data periods of 10 minutes equals periods x 10
1210 60 20.17
minutes divided by 60= hours in 3 days 72 hour
20.17 72 28.01%
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

% 3 days >NAAQS PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28



	A	B	C	D	E	F	G	H	I	J	K
1	Wisconsin,Madison		Elinor and Gary A								
2	% 3 days >NAAQS	79.40%	57.41%	28.01%	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	343	248	121	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	11/15/2023 12:20	49.4	56	56	30.6144	30.6144	30.6144	Wisconsin,Madison		Elinor and Gary A	
6	11/15/2023 12:30		54	54	29.5864	29.5864	29.5864	11/15/2023 12:20	to	11/18/2023 12:10	
7	11/15/2023 12:40		54	54	29.5864	29.5864	29.5864	Above 12 micrograms per cubic meter PM2.5?			
8	11/15/2023 12:50		53	55	29.0724	29.0724	29.0724	343	10	3430	
9	11/15/2023 13:00		54	55	29.5864	29.5864	29.5864	data periods of 10 minutes equals periods x 10			
10	11/15/2023 13:10		55	55	30.1004	30.1004	30.1004	3430	60	57.17	
11	11/15/2023 13:20		58	55	31.6424	31.6424	31.6424	minutes divided by 60= hours in 3 days 72 hour			
12	11/15/2023 13:30		58	58	31.6424	31.6424	31.6424	57.17	72	79.40%	
13	11/15/2023 13:40		56	57	30.6144	30.6144	30.6144	hours divided by 72 = % days > 12ug/m3 PM2.5			
14	11/15/2023 13:50		57	56	31.1284	31.1284	31.1284	Above 25 micrograms per cubic meter PM2.5?			
15	11/15/2023 14:00		56	57	30.6144	30.6144	30.6144	248	10	2480	
16	11/15/2023 14:10		58	57	31.6424	31.6424	31.6424	data periods of 10 minutes equals periods x 10			
17	11/15/2023 14:20		57	56	31.1284	31.1284	31.1284	2480	60	41.33333333	
18	11/15/2023 14:30		57	58	31.1284	31.1284	31.1284	minutes divided by 60= hours in 3 days 72 hour			
19	11/15/2023 14:40		56	56	30.6144	30.6144	30.6144	41.33333333	72	57.41%	
20	11/15/2023 14:50		58	55	31.6424	31.6424	31.6424	hours divided by 72 = % days > 25ug/m3 PM2.5			
21	11/15/2023 15:00		57	56	31.1284	31.1284	31.1284	Above 35 micrograms per cubic meter PM2.5?			
22	11/15/2023 15:10		58	58	31.6424	31.6424	31.6424	121	10	1210	
23	11/15/2023 15:20		53	55	29.0724	29.0724	29.0724	data periods of 10 minutes equals periods x 10			
24	11/15/2023 15:30		53	53	29.0724	29.0724	29.0724	1210	60	20.17	
25	11/15/2023 15:40		53	52	29.0724	29.0724	29.0724	minutes divided by 60= hours in 3 days 72 hour			
26	11/15/2023 15:50		87	84	46.5484	46.5484	46.5484	20.17	72	28.01%	
27	11/15/2023 16:00		57	57	31.1284	31.1284	31.1284	hours divided by 72 = % days > 12ug/m3 PM2.5			
28	11/15/2023 16:10		56	54	30.6144	30.6144	30.6144	Wisconsin,Madison		Elinor and Gary A	
29	11/15/2023 16:20		52	53	28.5584	28.5584	28.5584	See all 3 days of Excel data on PDF at			
30	11/15/2023 16:30		54	54	29.5864	29.5864	29.5864	https://rawsepresidents.wordpress.com			
31	11/15/2023 16:40		57	56	31.1284	31.1284	31.1284	Check C4	30.6144		
32	11/15/2023 16:50		55	55	30.1004	30.1004	30.1004				
33	11/15/2023 17:00		57	57	31.1284	31.1284	31.1284				
34	11/15/2023 17:10		62	61	33.6984	33.6984	33.6984				

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

% 3 days >NAAQS PM2.5	% Above 12 ug/m3 PM2.5	% Above 25 ug/mg PM2.5	% Above 25 ug/m3 PM2.5
California, Kensington	67	24	9
California, Trinidad	62	21	2
Maine, Winslow	59	23	13
Wisconsin, Madison	79	57	28