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

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
California, Kensington Highland A
% 3 days >NAAQS 7.18% 3.01% 0.00%
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
11/18/2023 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
310 60 5.17
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
130 60 2.17
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
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
California, Kensington Highland 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
California, Trinidad Ewing A PM2.5
% 3 days >NAAQS 63.19% 18.29% 3.70%
Ewing 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
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
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

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