

Episode 56KO October 29, 2023. Coast to Coast

West Coast In summary: the Trinidad California PurpleAir PM2.5 monitor showed above 12 micrograms per cubic meter **68%** of the last 3 days.

Trinidad California PurpleAir PM2.5 monitors showed above 25 micrograms per cubic meter **23%** of the last 3 days.

Trinidad California PurpleAir PM2.5 monitor showed above 35 micrograms per cubic meter **6%** of the last 3 days.

Midwest in summary: the Madison, Wisconsin PurpleAir PM2.5 monitor showed above 12 micrograms per cubic meter **78%** of the last 3 days.

Madison, Wisconsin PurpleAir PM2.5 monitors showed above 25 micrograms per cubic meter **43%** of the last 3 days.

Madison, Wisconsin PurpleAir PM2.5 monitor showed above 35 micrograms per cubic meter **28%** of the last 3 days.

East Coast in summary: the Cape Small Harbor, Maine PurpleAir PM2.5 monitor showed above 12 micrograms per cubic meter **56%** of the last 3 days.

Cape Small Harbor, Maine PurpleAir PM2.5 monitors showed above 25 micrograms per cubic meter **43%** of the last 3 days.

Cape Small Harbor, Maine PurpleAir PM2.5 monitor showed above 35 micrograms per cubic meter **35%** of the last 3 days.

	West Coast %	Midwest %	East Coast %
Above 12 ug/m3 PM2.5	68	78	56
Above 25 ug/m3 PM2.5	23	43	43
Above 35 ug/m3 PM2.5	6	28	35

PA 0.514 1.8304

no. 10 minute periods in 72 hours, 3 sheets

12, 25 or 35 micrograms per cubic meter PM2.5

Trinidad, California PM2.5 Monitor on Ewing St

10/26/2023 6:40 to 10/29/2023 6:30

Above 12 micrograms per cubic meter PM2.5?

296 10 2960

data periods of 10 minutes equals periods x 10

2960 60 49.33333333

minutes divided by 60= hours in 3 days 72 hour

49.33333333 72 **68.52%**

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

Above 25 micrograms per cubic meter PM2.5?

100 10 1000

data periods of 10 minutes equals periods x 10

1000 60 16.66666667

minutes divided by 60= hours in 3 days 72 hour

16.66666667 72 **23.15%**

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

Above 35 micrograms per cubic meter PM2.5?

30 10 300

data periods of 10 minutes equals periods x 10

300 60 5

minutes divided by 60= hours in 3 days 72 hour

5 72 **6.94%**

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

Trinidad, California PM2.5 Monitor on Ewing St

See all 3 days of Excell data on PDF at

<https://rawsepresidents.wordpress.com>

PA 0.514 1.8304

no. 10 minute periods in 72 hours, 3 sheets

12, 25 or 35 micrograms per cubic meter PM2.5
Maine PM2.5 Monitor CapeSmallHarbor
10/26/2023 6:40 to 10/29/2023 6:30
Above 12 micrograms per cubic meter PM2.5?
243 10 2430
data periods of 10 minutes equals periods x 10
2430 60 40.5
minutes divided by 60= hours in 3 days 72 hour
40.5 72 **56.25%**
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
186 10 1860
data periods of 10 minutes equals periods x 10
1860 60 31
minutes divided by 60= hours in 3 days 72 hour
31 72 **43.06%**
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
153 10 1530
data periods of 10 minutes equals periods x 10
1530 60 25.5
minutes divided by 60= hours in 3 days 72 hour
25.5 72 **35.42%**
hours divided by 72 = % days > 12ug/m3 PM2.5
Maine PM2.5 Monitor CapeSmallHarbor
See all 3 days of Excell data on PDF at
<https://rawsepresidents.wordpress.com>

PA 0.514 1.8304
no. 10 minute periods in 72 hours, 3 sheets
12, 25 or 35 micrograms per cubic meter PM2.5
Wisconsin, Madison Elinor&Gary PM2.5
10/26/2023 6:40 to 10/29/2023 6:30
Above 12 micrograms per cubic meter PM2.5?
340 10 3400
data periods of 10 minutes equals periods x 10
3400 60 56.6666667
minutes divided by 60= hours in 3 days 72 hour
56.6666667 72 **78.70%**
hours divided by 72 = % days > 12ug/m3 PM2.5
Above 25 micrograms per cubic meter PM2.5?
190 10 1900
data periods of 10 minutes equals periods x 10
1900 60 31.6666667
minutes divided by 60= hours in 3 days 72 hour
31.6666667 72 **43.98%**
hours divided by 72 = % days > 25ug/m3 PM2.5
Above 35 micrograms per cubic meter PM2.5?
125 10 1250
data periods of 10 minutes equals periods x 10
1250 60 20.83333333
minutes divided by 60= hours in 3 days 72 hour
20.83333333 72 **28.94%**

hours divided by 72 = % days > 12ug/m3 PM2.5
 Wisconsin, Madison Elinor&GaryPM2.5
 See all 3 days of Excell data on PDF at
<https://rawsepresidents.wordpress.com>

DateTime	Average	Ewing A	Ewing B	PA x 0.5140 + 1.8304 conversion PA			no. 10 minute periods in 72 hours, 3 sheets	12, 25 or 35 micrograms per cubic meter PM2.5
				296	100	30		
10/26/2023 6:40	29.8	13	11	8.5124	8.5124	8.5124	Trinidad, California PM2.5 Monitor on Ewing St	
10/26/2023 6:50		14	10	9.0264	9.0264	9.0264	10/26/2023 6:40 to 10/29/2023 6:30	
10/26/2023 7:00		13	10	8.5124	8.5124	8.5124	Above 12 micrograms per cubic meter PM2.5?	
10/26/2023 7:10		13	10	8.5124	8.5124	8.5124	296 10 2960	
10/26/2023 7:20		13	11	8.5124	8.5124	8.5124	data periods of 10 minutes equals periods x 10	
10/26/2023 7:30		16	11	10.0544	10.0544	10.0544	2960 60 49.33333333	
10/26/2023 7:40		18	16	11.0824	11.0824	11.0824	minutes divided by 60= hours in 3 days 72 hour	
10/26/2023 7:50		18	15	11.0824	11.0824	11.0824	49.33333333 72 68.52%	
10/26/2023 8:00		18	14	11.0824	11.0824	11.0824	hours divided by 72 = % days > 12ug/m3 PM2.5	
10/26/2023 8:10		15	11	9.5404	9.5404	9.5404	Above 25 micrograms per cubic meter PM2.5?	
10/26/2023 8:20		16	11	10.0544	10.0544	10.0544	100 10 1000	
10/26/2023 8:30		16	12	10.0544	10.0544	10.0544	data periods of 10 minutes equals periods x 10	
10/26/2023 8:40		14	10	9.0264	9.0264	9.0264	1000 60 16.66666667	
10/26/2023 8:50		18	12	11.0824	11.0824	11.0824	minutes divided by 60= hours in 3 days 72 hour	
10/26/2023 9:00		27	22	15.7084	15.7084	15.7084	16.66666667 72 23.15%	
10/26/2023 9:10		19	15	11.5964	11.5964	11.5964	hours divided by 72 = % days > 25ug/m3 PM2.5	
10/26/2023 9:20		18	15	11.0824	11.0824	11.0824	Above 35 micrograms per cubic meter PM2.5?	
10/26/2023 9:30		20	13	12.1104	12.1104	12.1104	30 10 300	
10/26/2023 9:40		22	17	13.1384	13.1384	13.1384	data periods of 10 minutes equals periods x 10	
10/26/2023 9:50		24	19	14.1664	14.1664	14.1664	300 60 5	
10/26/2023 10:00		24	20	14.1664	14.1664	14.1664	minutes divided by 60= hours in 3 days 72 hour	
10/26/2023 10:10		23	17	13.6524	13.6524	13.6524	5 72 6.94%	
10/26/2023 10:20		21	17	12.6244	12.6244	12.6244	hours divided by 72 = % days > 12ug/m3 PM2.5	
10/26/2023 10:30		33	28	18.7924	18.7924	18.7924	Trinidad, California PM2.5 Monitor on Ewing St	
10/26/2023 10:40		39	29	21.8764	21.8764	21.8764	See all 3 days of Excell data on PDF at	
10/26/2023 10:50		20	16	12.1104	12.1104	12.1104	https://rawsepresidents.wordpress.com	
10/26/2023 11:00		25	19	14.6804	14.6804	14.6804		
10/26/2023 11:10		29	21	16.7364	16.7364	16.7364		
10/26/2023 11:20		18	14	11.0824	11.0824	11.0824		
10/26/2023 11:30		21	16	12.6244	12.6244	12.6244		
10/26/2023 11:40		20	13	12.1104	12.1104	12.1104		

				PA x 0.5140 + 1.8304 conversion PA			0.514	1.8304
				243	186	153	no. 10 minute periods in 72 hours, 3 sheets	
							12, 25 or 35 micrograms per cubic meter PM2.5	
DateTime	Average	Cape Small	Cape Small	above12	above25	above35	Maine PM2.5 Monitor CapeSmallHarbor	
10/26/2023 6:40	42.5	21	19	12.6244	12.6244	12.6244	10/26/2023 6:40 to 10/29/2023 6:30	
10/26/2023 6:50		22	19	13.1384	13.1384	13.1384	Above 12 micrograms per cubic meter PM2.5?	
10/26/2023 7:00		22	19	13.1384	13.1384	13.1384	243	10 2430
10/26/2023 7:10		22	19	13.1384	13.1384	13.1384	data periods of 10 minutes equals periods x 10	
10/26/2023 7:20		22	19	13.1384	13.1384	13.1384	2430	60 40.5
10/26/2023 7:30		21	18	12.6244	12.6244	12.6244	minutes divided by 60= hours in 3 days 72 hour	
10/26/2023 7:40		22	19	13.1384	13.1384	13.1384	40.5	72 56.25%
10/26/2023 7:50		31	27	17.7644	17.7644	17.7644	hours divided by 72 = % days > 12ug/m3 PM2.5	
10/26/2023 8:00		40	31	22.3904	22.3904	22.3904	Above 25 micrograms per cubic meter PM2.5?	
10/26/2023 8:10		38	33	21.3624	21.3624	21.3624	186	10 1860
10/26/2023 8:20		38	33	21.3624	21.3624	21.3624	data periods of 10 minutes equals periods x 10	
10/26/2023 8:30		36	29	20.3344	20.3344	20.3344	1860	60 31
10/26/2023 8:40		34	31	19.3064	19.3064	19.3064	minutes divided by 60= hours in 3 days 72 hour	
10/26/2023 8:50		33	28	18.7924	18.7924	18.7924	31	72 43.06%
10/26/2023 9:00		30	28	17.2504	17.2504	17.2504	hours divided by 72 = % days > 25ug/m3 PM2.5	
10/26/2023 9:10		29	26	16.7364	16.7364	16.7364	Above 35 micrograms per cubic meter PM2.5?	
10/26/2023 9:20		30	27	17.2504	17.2504	17.2504	153	10 1530
10/26/2023 9:30		30	28	17.2504	17.2504	17.2504	data periods of 10 minutes equals periods x 10	
10/26/2023 9:40		29	27	16.7364	16.7364	16.7364	1530	60 25.5
10/26/2023 9:50		33	28	18.7924	18.7924	18.7924	minutes divided by 60= hours in 3 days 72 hour	
10/26/2023 10:00		34	29	19.3064	19.3064	19.3064	25.5	72 35.42%
10/26/2023 10:10		34	30	19.3064	19.3064	19.3064	hours divided by 72 = % days > 12ug/m3 PM2.5	
10/26/2023 10:20		36	31	20.3344	20.3344	20.3344	Maine PM2.5 Monitor CapeSmallHarbor	
10/26/2023 10:30		33	30	18.7924	18.7924	18.7924	See all 3 days of Excell data on PDF at	
10/26/2023 10:40		35	31	19.8204	19.8204	19.8204	https://rawsepresidents.wordpress.com	
10/26/2023 10:50		38	33	21.3624	21.3624	21.3624		
10/26/2023 11:00		42	36	23.4184	23.4184	23.4184		
10/26/2023 11:10		45	40	24.9604	24.9604	24.9604		
10/26/2023 11:20		43	37	23.9324	23.9324	23.9324		
10/26/2023 11:30		41	35	22.9044	22.9044	22.9044		

PA x 0.5140 + 1.8304 conversion PA 0.514 1.8304

340 190 125

no. 10 minute periods in 72 hours, 3 sheets

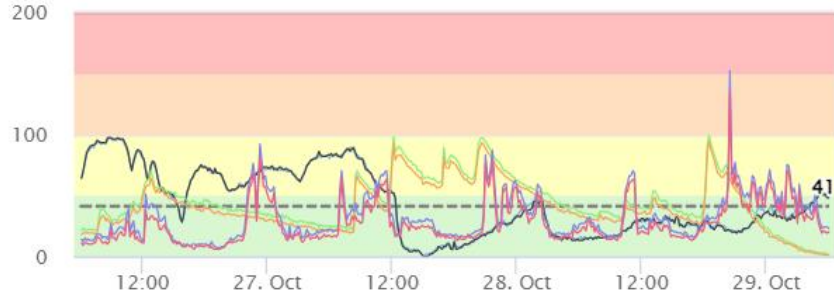
DateTime	Average	Elinor and	Elinor and	above12	above25	above35	12, 25 or 35 micrograms per cubic meter PM2.5
10/26/2023 6:40	43.7	84	85	45.0064	45.0064	45.0064	Wisconsin, Madison Elinor&Gary PM2.5
10/26/2023 6:50		86	88	46.0344	46.0344	46.0344	10/26/2023 6:40 to 10/29/2023 6:30
10/26/2023 7:00		88	90	47.0624	47.0624	47.0624	Above 12 micrograms per cubic meter PM2.5?
10/26/2023 7:10		90	91	48.0904	48.0904	48.0904	340 10 3400
10/26/2023 7:20		89	91	47.5764	47.5764	47.5764	data periods of 10 minutes equals periods x 10
10/26/2023 7:30		92	92	49.1184	49.1184	49.1184	3400 60 56.6666667
10/26/2023 7:40		93	95	49.6324	49.6324	49.6324	minutes divided by 60= hours in 3 days 72 hour
10/26/2023 7:50		94	94	50.1464	50.1464	50.1464	56.6666667 72 78.70%
10/26/2023 8:00		92	93	49.1184	49.1184	49.1184	hours divided by 72 = % days > 12ug/m3 PM2.5
10/26/2023 8:10		92	93	49.1184	49.1184	49.1184	Above 25 micrograms per cubic meter PM2.5?
10/26/2023 8:20		93	93	49.6324	49.6324	49.6324	190 10 1900
10/26/2023 8:30		92	93	49.1184	49.1184	49.1184	data periods of 10 minutes equals periods x 10
10/26/2023 8:40		95	97	50.6604	50.6604	50.6604	1900 60 31.6666667
10/26/2023 8:50		97	97	51.6884	51.6884	51.6884	minutes divided by 60= hours in 3 days 72 hour
10/26/2023 9:00		96	97	51.1744	51.1744	51.1744	31.6666667 72 43.98%
10/26/2023 9:10		95	96	50.6604	50.6604	50.6604	hours divided by 72 = % days > 25ug/m3 PM2.5
10/26/2023 9:20		95	96	50.6604	50.6604	50.6604	Above 35 micrograms per cubic meter PM2.5?
10/26/2023 9:30		95	96	50.6604	50.6604	50.6604	125 10 1250
10/26/2023 9:40		96	97	51.1744	51.1744	51.1744	data periods of 10 minutes equals periods x 10
10/26/2023 9:50		96	96	51.1744	51.1744	51.1744	1250 60 20.83333333
10/26/2023 10:00		95	96	50.6604	50.6604	50.6604	minutes divided by 60= hours in 3 days 72 hour
10/26/2023 10:10		95	96	50.6604	50.6604	50.6604	20.83333333 72 28.94%
10/26/2023 10:20		91	93	48.6044	48.6044	48.6044	hours divided by 72 = % days > 12ug/m3 PM2.5
10/26/2023 10:30		88	90	47.0624	47.0624	47.0624	Wisconsin, Madison Elinor&Gary PM2.5
10/26/2023 10:40		83	85	44.4924	44.4924	44.4924	See all 3 days of Excell data on PDF at
10/26/2023 10:50		77	76	41.4084	41.4084	41.4084	https://rawsepresidents.wordpress.com
10/26/2023 11:00		71	70	38.3244	38.3244	38.3244	
10/26/2023 11:10		76	78	40.8944	40.8944	40.8944	
10/26/2023 11:20		81	83	43.4644	43.4644	43.4644	
10/26/2023 11:30		86	87	46.0344	46.0344	46.0344	
10/26/2023 11:40		86	87	46.0344	46.0344	46.0344	

Click & drag to zoom. Shift + click & drag to pan. How to use the graph.



US EPA PM2.5 AQI

10 Minute Average



Legend:
Average (dashed line)
Elinor and Gary A (blue line)
Elinor and Gary B (black line)
Cape Small Harbor, Maine, US of A A (green line)
Cape Small Harbor, Maine, US of A B (orange line)
Ewing A (purple line)
Ewing B (red line)

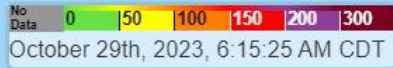
PurpleAir.com

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1

Trinidad 8

3

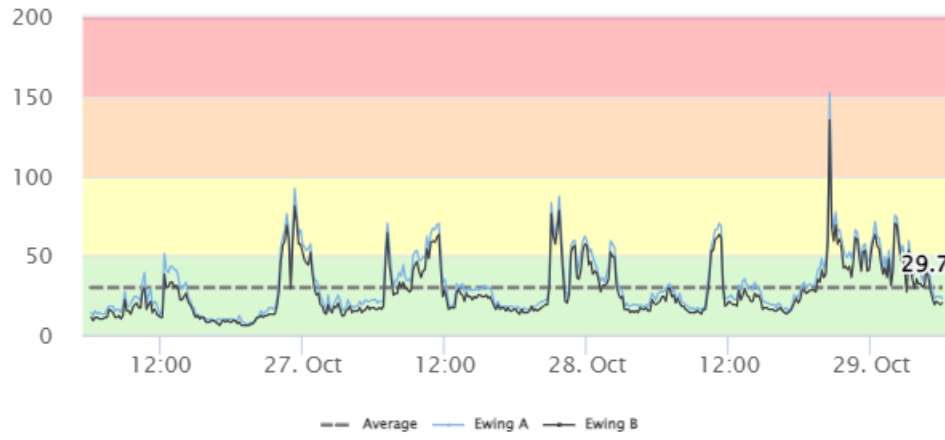


Click & drag to zoom. Shift + click & drag to pan. [How to use the graph.](#)



US EPA PM2.5 AQI

10 Minute Average



PurpleAir.com



October 29th, 2023, 6:15:25 AM CDT

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1

Trinidad 8

3

Click & drag to zoom. Shift + click & drag to pan. How to use the graph.

