

Episode 56KJ October 26, 2023. Coast to Coast

West Coast In summary: the Trinidad California PurpleAir PM2.5 monitor showed above 12 micrograms per cubic meter 67% of the last 3 days.

Trinidad California PurpleAir PM2.5 monitors showed above 25 micrograms per cubic meter 49% of the last 3 days.

Trinidad California PurpleAir PM2.5 monitor showed above 35 micrograms per cubic meter 12% of the last 3 days.

Midwest in summary: the Madison, Wisconsin PurpleAir PM2.5 monitor showed above 12 micrograms per cubic meter 95% of the last 3 days.

Madison, Wisconsin PurpleAir PM2.5 monitors showed above 25 micrograms per cubic meter 67% of the last 3 days.

Madison, Wisconsin PurpleAir PM2.5 monitor showed above 35 micrograms per cubic meter 29% 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 65% of the last 3 days.

Cape Small Harbor, Maine PurpleAir PM2.5 monitors showed above 25 micrograms per cubic meter 29% of the last 3 days.

Cape Small Harbor, Maine PurpleAir PM2.5 monitor showed above 35 micrograms per cubic meter 21% of the last 3 days.

	West Coast %	Midwest %	East Coast %
Above 12 ug/m3 PM2.5	67	95	65
Above 25 ug/m3 PM2.5	49	67	29
Above 35 ug/m3 PM2.5	12	41	21

Trinidad, California PM2.5 Monitor on Ewing St  
10/23/2023 6:50 to 10/26/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

291 10 2910

data periods of 10 minutes equals periods x 10

2910 60 48.5

minutes divided by 60= hours in 3 days 72 hour

48.5 72 67.36%

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

Above 25 micrograms per cubic meter PM2.5?

212 10 2120

data periods of 10 minutes equals periods x 10

2120 60 35.33333333

minutes divided by 60= hours in 3 days 72 hour

35.33333333 72 49.07%

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

Above 35 micrograms per cubic meter PM2.5?

53 10 530

data periods of 10 minutes equals periods x 10

530 60 8.833333333

minutes divided by 60= hours in 3 days 72 hour

8.833333333 72 12.27%

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>

Wisconsin, Madison Elinor&Gary PM2.5

10/23/2023 6:50 to 10/26/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

413 10 4130

data periods of 10 minutes equals periods x 10

4130 60 68.83333333

minutes divided by 60= hours in 3 days 72 hour

68.83333333 72 95.60%

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

Above 25 micrograms per cubic meter PM2.5?

291 10 2910

data periods of 10 minutes equals periods x 10

2910 60 48.5

minutes divided by 60= hours in 3 days 72 hour

48.5 72 67.36%

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

Above 35 micrograms per cubic meter PM2.5?

179 10 1790

data periods of 10 minutes equals periods x 10

1790 60 29.83333333

minutes divided by 60= hours in 3 days 72 hour

29.83333333 72 41.44%

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

Wisconsin, Madison Elinor&Gary PM2.5

See all 3 days of Excell data on PDF at

<https://rawsepresidents.wordpress.com>

Maine PM2.5 Monitor CapeSmallHarbor

10/23/2023 6:40 to 10/26/2023 6:30

Above 12 micrograms per cubic meter PM2.5?

285 10 2850

data periods of 10 minutes equals periods x 10

2850 60 47.5

minutes divided by 60= hours in 3 days 72 hour

47.5 72 65.97%

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

Above 25 micrograms per cubic meter PM2.5?

128 10 1280

data periods of 10 minutes equals periods x 10

1280 60 21.33333333

minutes divided by 60= hours in 3 days 72 hour

21.33333333 72 29.63%

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

Above 35 micrograms per cubic meter PM2.5?

95 10 950

data periods of 10 minutes equals periods x 10

950 60 15.83333333

minutes divided by 60= hours in 3 days 72 hour

15.8333333 72 21.99%  
 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>

DateTime	Average	Ewing A	Ewing B	PA x 0.5140 + 1.8304 conversion PA			no. 10 minute periods in 72 hours 12, 25 or 35 micrograms per cubic meter
				291 above12	212 above25	53 above35	
10/23/2023 6:50	36.7	21	18	12.6244	12.6244	12.6244	Trinidad, California PM2.5 Monitor
10/23/2023 7:00		22	18	13.1384	13.1384	13.1384	10/23/2023 6:50 to 10/23/2023 7:00
10/23/2023 7:10		22	19	13.1384	13.1384	13.1384	Above 12 micrograms per cubic meter
10/23/2023 7:20		21	17	12.6244	12.6244	12.6244	291 10
10/23/2023 7:30		22	18	13.1384	13.1384	13.1384	data periods of 10 minutes equal
10/23/2023 7:40		21	17	12.6244	12.6244	12.6244	2910 60
10/23/2023 7:50		23	18	13.6524	13.6524	13.6524	minutes divided by 60= hours in
10/23/2023 8:00		23	18	13.6524	13.6524	13.6524	48.5 72
10/23/2023 8:10		29	22	16.7364	16.7364	16.7364	hours divided by 72 = % days > 1
10/23/2023 8:20		55	51	30.1004	30.1004	30.1004	Above 25 micrograms per cubic meter
10/23/2023 8:30		30	24	17.2504	17.2504	17.2504	212 10
10/23/2023 8:40		21	17	12.6244	12.6244	12.6244	data periods of 10 minutes equal
10/23/2023 8:50		20	17	12.1104	12.1104	12.1104	2120 60
10/23/2023 9:00		22	19	13.1384	13.1384	13.1384	minutes divided by 60= hours in
10/23/2023 9:10		26	21	15.1944	15.1944	15.1944	35.33333333 72
10/23/2023 9:20		27	22	15.7084	15.7084	15.7084	hours divided by 72 = % days > 2
10/23/2023 9:30		39	33	21.8764	21.8764	21.8764	Above 35 micrograms per cubic meter
10/23/2023 9:40		62	54	33.6984	33.6984	33.6984	53 10
10/23/2023 9:50		47	34	25.9884	25.9884	25.9884	data periods of 10 minutes equal
10/23/2023 10:00		35	28	19.8204	19.8204	19.8204	530 60
10/23/2023 10:10		31	26	17.7644	17.7644	17.7644	minutes divided by 60= hours in
10/23/2023 10:20		28	24	16.2224	16.2224	16.2224	8.833333333 72
10/23/2023 10:30		27	21	15.7084	15.7084	15.7084	hours divided by 72 = % days > 1
10/23/2023 10:40		22	19	13.1384	13.1384	13.1384	Trinidad, California PM2.5 Monitor
10/23/2023 10:50		21	17	12.6244	12.6244	12.6244	See all 3 days of Excell data on PDF
10/23/2023 11:00		23	15	13.6524	13.6524	13.6524	<a href="https://rawsepresidents.wordpress.com">https://rawsepresidents.wordpress.com</a>
10/23/2023 11:10		23	15	13.6524	13.6524	13.6524	

https://map.purpleair.com/1/mAQI/a10/p604800/c0?select=196617#6.27/43.187/-69.276 PA x 0.5140 + 1.8304 conversion PA 0.514

DateTime	Average	Cape Small	Cape Small	above12	above25	above35	no. 10 minute periods in 72 hours	12, 25 or 35 micrograms per cubic meter
10/23/23 6:40	56	22	20	13.1384	13.1384	13.1384	285	Maine PM2.5 Monitor
10/23/23 6:50		23	18	13.6524	13.6524	13.6524	128	10/23/2023 6:40 to 10/23/2023 6:50
10/23/23 7:00		22	19	13.1384	13.1384	13.1384	95	Above 12 micrograms per cubic meter
10/23/23 7:10		20	17	12.1104	12.1104	12.1104	285	10/23/2023 7:10 to 10/23/2023 7:20
10/23/23 7:20		20	15	12.1104	12.1104	12.1104	2850	data periods of 10 minutes equal to 60 minutes
10/23/23 7:30		19	15	11.5964	11.5964	11.5964	60	minutes divided by 60= hours in day
10/23/23 7:40		18	16	11.0824	11.0824	11.0824	47.5	hours divided by 72 = % days > 1
10/23/23 7:50		18	14	11.0824	11.0824	11.0824	72	Above 25 micrograms per cubic meter
10/23/23 8:00		17	15	10.5684	10.5684	10.5684	128	10/23/2023 8:00 to 10/23/2023 8:10
10/23/23 8:10		15	13	9.5404	9.5404	9.5404	10	Above 35 micrograms per cubic meter
10/23/23 8:20		15	12	9.5404	9.5404	9.5404	1280	data periods of 10 minutes equal to 60 minutes
10/23/23 8:30		14	12	9.0264	9.0264	9.0264	60	minutes divided by 60= hours in day
10/23/23 8:40		14	12	9.0264	9.0264	9.0264	21.33333333	hours divided by 72 = % days > 2
10/23/23 8:50		13	12	8.5124	8.5124	8.5124	72	Above 35 micrograms per cubic meter
10/23/23 9:00		14	11	9.0264	9.0264	9.0264	95	10/23/2023 9:00 to 10/23/2023 9:10
10/23/23 9:10		27	22	15.7084	15.7084	15.7084	10	data periods of 10 minutes equal to 60 minutes
10/23/23 9:20		42	36	23.4184	23.4184	23.4184	950	minutes divided by 60= hours in day
10/23/23 9:30		41	36	22.9044	22.9044	22.9044	60	hours divided by 72 = % days > 1
10/23/23 9:40		38	32	21.3624	21.3624	21.3624	72	Maine PM2.5 Monitor
10/23/23 9:50		34	30	19.3064	19.3064	19.3064	15.83333333	See all 3 days of Excell data on PurpleAir
10/23/23 10:00		30	28	17.2504	17.2504	17.2504	72	https://rawsepresidents.wordpress.com/2023/10/23/
10/23/23 10:10		30	25	17.2504	17.2504	17.2504	10	
10/23/23 10:20		25	23	14.6804	14.6804	14.6804	95	
10/23/23 10:30		23	21	13.6524	13.6524	13.6524	128	
10/23/23 10:40		24	20	14.1664	14.1664	14.1664	950	
10/23/23 10:50		20	18	12.1104	12.1104	12.1104	60	
10/23/23 11:00		20	17	12.1104	12.1104	12.1104	72	

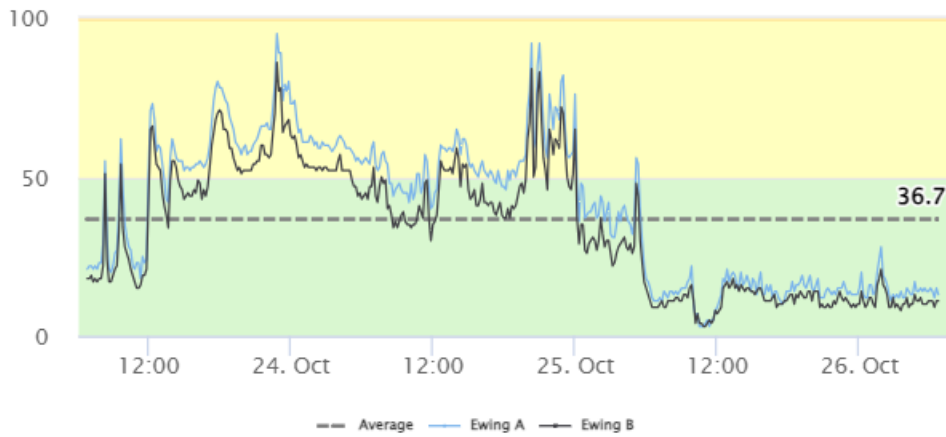
				PA x 0.5140 + 1.8304 conversion PA			0.514
				413	291	179	no. 10 minute periods in 72 h
DateTime	Average	Elinor and	Elinor and	above12	above25	above35	12, 25 or 35 micrograms per
10/23/2023 6:50	64.1	74	78	39.8664	39.8664	39.8664	Wisconsin, Madison
10/23/2023 7:00		76	77	40.8944	40.8944	40.8944	10/23/2023 6:50 to
10/23/2023 7:10		76	75	40.8944	40.8944	40.8944	Above 12 micrograms per cu
10/23/2023 7:20		74	73	39.8664	39.8664	39.8664	413 10
10/23/2023 7:30		72	73	38.8384	38.8384	38.8384	data periods of 10 minutes e
10/23/2023 7:40		71	72	38.3244	38.3244	38.3244	4130 60
10/23/2023 7:50		72	72	38.8384	38.8384	38.8384	minutes divided by 60= hour
10/23/2023 8:00		71	72	38.3244	38.3244	38.3244	68.83333333 72
10/23/2023 8:10		71	72	38.3244	38.3244	38.3244	hours divided by 72 = % days
10/23/2023 8:20		68	69	36.7824	36.7824	36.7824	Above 25 micrograms per cu
10/23/2023 8:30		68	71	36.7824	36.7824	36.7824	291 10
10/23/2023 8:40		66	66	35.7544	35.7544	35.7544	data periods of 10 minutes e
10/23/2023 8:50		63	62	34.2124	34.2124	34.2124	2910 60
10/23/2023 9:00		61	61	33.1844	33.1844	33.1844	minutes divided by 60= hour
10/23/2023 9:10		59	59	32.1564	32.1564	32.1564	48.5 72
10/23/2023 9:20		57	57	31.1284	31.1284	31.1284	hours divided by 72 = % days
10/23/2023 9:30		55	58	30.1004	30.1004	30.1004	Above 35 micrograms per cu
10/23/2023 9:40		54	56	29.5864	29.5864	29.5864	179 10
10/23/2023 9:50		49	52	27.0164	27.0164	27.0164	data periods of 10 minutes e
10/23/2023 10:00		43	42	23.9324	23.9324	23.9324	1790 60
10/23/2023 10:10		38	36	21.3624	21.3624	21.3624	minutes divided by 60= hour
10/23/2023 10:20		34	35	19.3064	19.3064	19.3064	29.83333333 72
10/23/2023 10:30		30	32	17.2504	17.2504	17.2504	hours divided by 72 = % days
10/23/2023 10:40		27	25	15.7084	15.7084	15.7084	Wisconsin, Madison
10/23/2023 10:50		23	22	13.6524	13.6524	13.6524	See all 3 days of Excell data c
10/23/2023 11:00		20	18	12.1104	12.1104	12.1104	<a href="https://rawsepresidents.wor">https://rawsepresidents.wor</a>
10/23/2023 11:10		18	19	11.0824	11.0824	11.0824	

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 26th, 2023, 6:51:30 AM CDT

8

0

Trijinidad 3

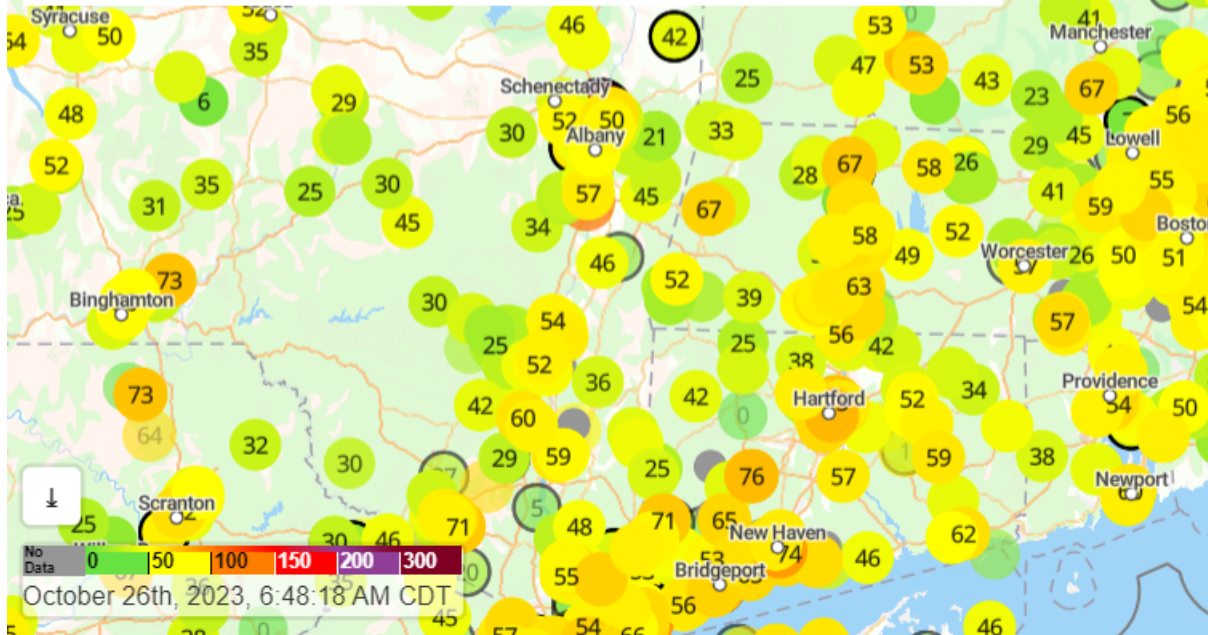
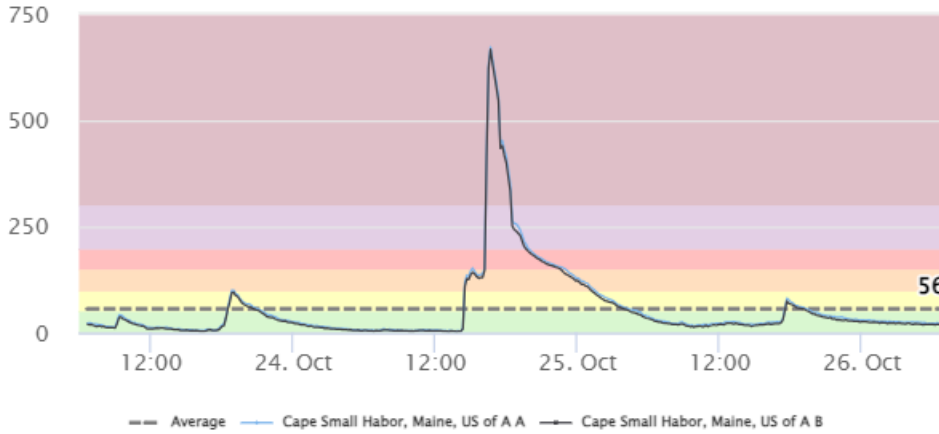
0

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



### US EPA PM2.5 AQI

10 Minute Average



On October 26th, 2023

#### 10 Minute Average US EPA PM2.5 AQI is now

0-50: Air quality is satisfactory, and air pollution poses little or no risk. 51-100: Moderate. 101-150: Unhealthy for Sensitive Groups. 151-200: Unhealthy. 201-300: Very Unhealthy. 301-500: Hazardous.

Now 10 Min 30 Min 1 Hr 2 Hr 6 Hr 12 Hr 24 Hr 48 Hr 7 Days

Sensor: Cape Small Harbor, Maine, US of A

1 A B ✓ 100% battery

Get This Widget

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or Berry

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

