Episode 56KE October 20, 2023. Coast to Coast. California, Maine & Wisconsin PM2.5 monitor data showing NAAQS exceedance.
Slide 1
Entire Excel sheet saved as PDF of PurpleAir Data readings for each location uploaded to
https://rawsepresidents.wordpress.com
1)California, Trinidad residence near neighbor of indoor residential wood burner.
PA x 0.5140 + 1.8304 WI conversion math formulaPA x 0.5140 + 1.8304 WI conversion math formula
Trinidad, California PM2.5 Monitor on Ewing St.
October 17, 2023 5:50AM to October 20, 2023 5:50AM
Above 12 micrograms per cubic meter PM2.5?
Yes, 382 periods of 10 minutes, 3820 minutes in 3 days
(3820/60 = 63.66 hours in 3 days)(3 days is 72 hours)
(63.66/72 = 88.42% of 3 days above 12 ug/m3 PM2.5)
Above 25 micrograms per cubic meter PM2.5?
Yes, 282 periods, 2820 minutes in 3 days
(2820/60 = 47.00 hours in 3 days)
(47.00/72 = 65.27% of 3 days above 25 ug/m3 PM2.5)
Above 35 micrograms per cubic meter PM2.5?
Yes, 194 periods, 1940 minutes in 3 days)
(1940/60 = 32.33 hours in 3 days)
32.33/72 = 44.90% of 3 days above 35 ug/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 Coast2Coast
2)Waterville, Maine residence, temporarily using Winslow, Maine monitor at municipality near Waterville.
PA x 0.5140 + 1.8304 WI conversion math formula
Waterville, Maine (recorded at Winslow, Maine)
October 17,2023 5:50AM - October 20,2023 5:50AM
Above 12 micrograms per cubic meter PM2.5?
294 periods of 10 minutes, 2940 minutes
(2940/60 = 49.00 hours in 3 days)(3 days is 72 hours)
(49/72 = 68.05% of 3 days above 12 ug/m3 PM2.5)
Above 25 micrograms per cubic meter PM2.5?
No, 0% of 3 days above 25 ug/m3 PM2.5)
Above 35 micrograms per cubic meter PM2.5?
No, 0% of 3 days above 35 ug/m3 PM2.5)
3)Wisconsin, Madison PM2.5 monitor of near neighbor of indoor residential wood burner.
PA x 0.5140 + 1.8304 WI conversion math formula
4205 Elinor St. (Elinor & Gary), Madison, Wisconsin
October 17, 2023. 5:50AM to October 20, 2023 5:50AM
Above 12 micrograms per cubic meter PM2.5?
Yes, 426 periods of 10 minutes, 4,270 minutes in 3 days
(4260/60 = 71.00 hours in 3 days)(3 days is 72 hours)
(71.00/72 = 98.61% of 3 days above 12 ug/m3 PM2.5)
Above 25 micrograms per cubic meter PM2.5?
Yes, 182 periods, 1820 minutes in 3 days
(1820/60 = 30.33 hours in 3 days)
(30.33/72 = 42.12% of 3 days above 25 ug/m3 PM2.5)
Above 35 micrograms per cubic meter PM2.5?
Yes, 41 periods, 410 minutes in 3 days)
(410/60 = 6.83 hours in 3 days)
(6.83/72 = 9.48% of 3 days at 35 ug/m3 PM2.5
Madison, Wisconsin PM2.5, all 3 days of Excell Data at

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Above 35 micrograms per cubic meter PM2.5?
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Above 35 micrograms per cubic meter PM2.5?
Yes, 41 periods, 410 minutes in 3 days)
(410/60 = 6.83 hours in 3 days)
(6.83/72 = 9.48% of 3 days at 35 ug/m3 PM2.5
Madison, Wisconsin PM2.5, all 3 days of Excell Data at
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(2820/60 = 47.00 hours in 3 days)
(47.00/72 = 65.27% of 3 days above 25 ug/m3 PM2.5)
Above 35 micrograms per cubic meter PM2.5?
Yes, 194 periods, 1940 minutes in 3 days)
(1940/60 = 32.33 hours in 3 days)
32.33/72 = 44.90% of 3 days above 35 ug/m3 PM2.5
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Madison, Wisconsin PM2.5, all 3 days of Excell Data at
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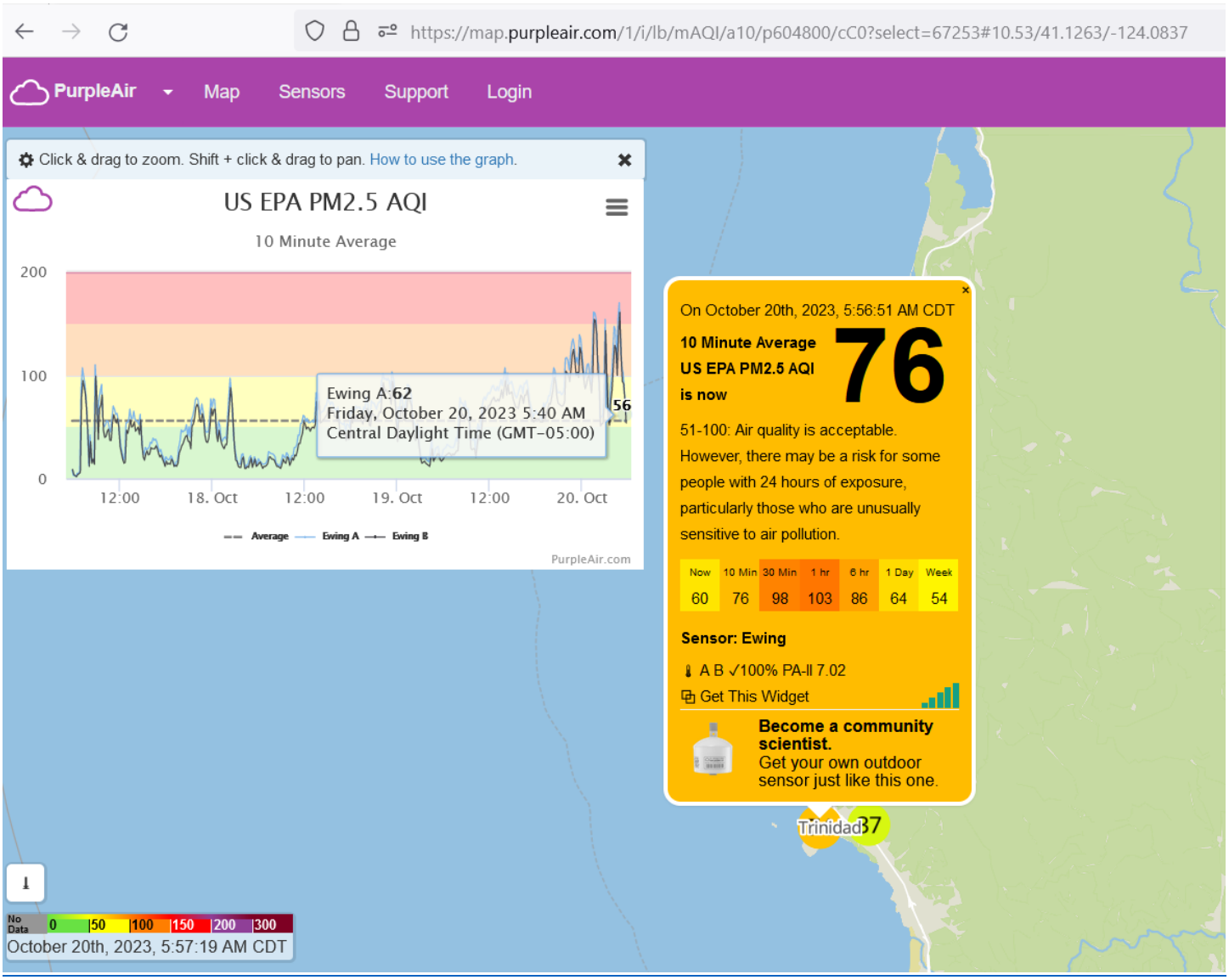
https://map.purpleair.com/1/i/lb/mAQI/a10/p604800/cC0?select=67253#10.53/41.1263/-124.0837
PurpleAir
Map
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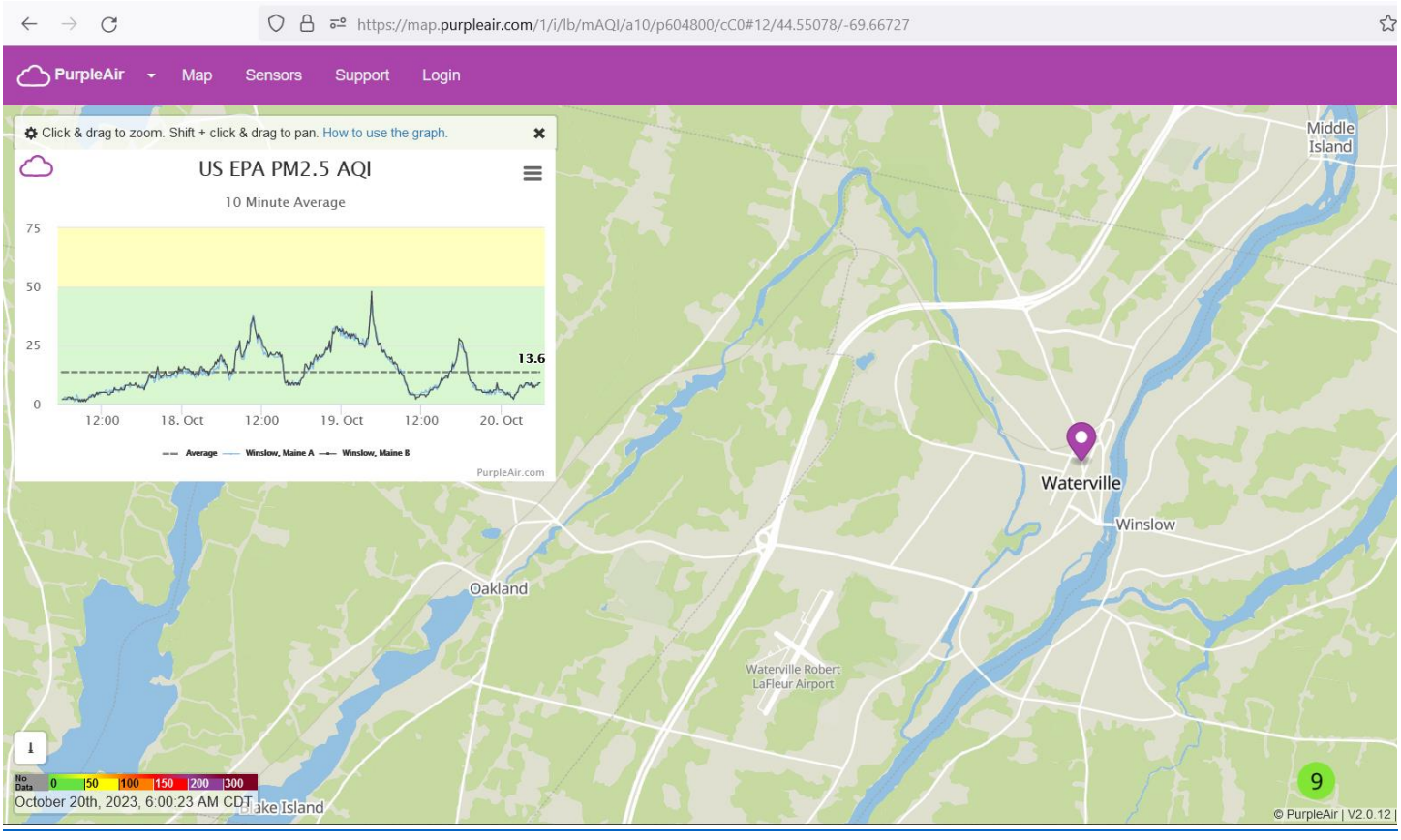
Click & drag to zoom. Shift + click & drag to pan. How to use the graph.
US EPA PM2.5 AQI
10 Minute Average
200
100
0
12:00
18. Oct
12:00
19. Oct
12:00
20. Oct
Ewing A:62
Friday, October 20, 2023 5:40 AM
Central Daylight Time (GMT-05:00)
56
Average
Ewing A
Ewing B
PurpleAir.com
On October 20th, 2023, 5:56:51 AM CDT
10 Minute Average
US EPA PM2.5 AQI
is now
76
51-100: Air quality is acceptable. However, there may be a risk for some people with 24 hours of exposure, particularly those who are unusually sensitive to air pollution.
Now 60
10 Min 76
30 Min 98
1 hr 103
6 hr 86
1 Day 64
Week 54
Sensor: Ewing
A B ✓100% PA-II 7.02
Get This Widget
Become a community scientist.
Get your own outdoor sensor just like this one.
Trinidad37
No Data
0
50
100
150
200
300
October 20th, 2023, 5:57:19 AM CDT

H17 | See all 3 days of Excell data on PDF at

| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DateTime | Average | Ewing A | Ewing B | above12 | above25 | above35 | PA x 0.5140 + 1.8304 WI conversion math formula | | | | | |
| 2 | 10/17/2023 5:50 | 56 | 8 | 9 | 5.9424 | 5.9424 | 5.9424 | Trinidad, California PM2.5 Monitor on Ewing St. | | | | | |
| 3 | 10/17/2023 6:00 | | 3 | 4 | 3.3724 | 3.3724 | 3.3724 | October 17, 2023 5:50AM to October 20, 2023 5:50AM | | | | | |
| 4 | 10/17/2023 6:10 | | 3 | 3 | 3.3724 | 3.3724 | 3.3724 | Above 12 micrograms per cubic meter PM2.5? | | | | | |
| 5 | 10/17/2023 6:20 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | Yes, 382 periods of 10 minutes, 3820 minutes in 3 days | | | | | |
| 6 | 10/17/2023 6:30 | | 5 | 4 | 4.4004 | 4.4004 | 4.4004 | (3820/60 = 63.66 hours in 3 days)(3 days is 72 hours) | | | | | |
| 7 | 10/17/2023 6:40 | | 5 | 5 | 4.4004 | 4.4004 | 4.4004 | (63.66/72 = 88.42% of 3 days above 12 ug/m3 PM2.5) | | | | | |
| 8 | 10/17/2023 6:50 | | 7 | 6 | 5.4284 | 5.4284 | 5.4284 | Above 25 micrograms per cubic meter PM2.5? | | | | | |
| 9 | 10/17/2023 7:00 | | 87 | 79 | 46.5484 | 46.5484 | 46.5484 | Yes, 282 periods, 2820 minutes in 3 days | | | | | |
| 10 | 10/17/2023 7:10 | | 107 | 95 | 56.8284 | 56.8284 | 56.8284 | (2820/60 = 47.00 hours in 3 days) | | | | | |
| 11 | 10/17/2023 7:20 | | 99 | 89 | 52.7164 | 52.7164 | 52.7164 | (47.00/72 = 65.27% of 3 days above 25 ug/m3 PM2.5) | | | | | |
| 12 | 10/17/2023 7:30 | | 91 | 81 | 48.6044 | 48.6044 | 48.6044 | Above 35 micrograms per cubic meter PM2.5? | | | | | |
| 13 | 10/17/2023 7:40 | | 76 | 64 | 40.8944 | 40.8944 | 40.8944 | Yes, 194 periods, 1940 minutes in 3 days) | | | | | |
| 14 | 10/17/2023 7:50 | | 50 | 41 | 27.5304 | 27.5304 | 27.5304 | (1940/60 = 32.33 hours in 3 days) | | | | | |
| 15 | 10/17/2023 8:00 | | 13 | 12 | 8.5124 | 8.5124 | 8.5124 | 32.33/72 = 44.90% of 3 days above 35 ug/m3 PM2.5 | | | | | |
| 16 | 10/17/2023 8:10 | | 42 | 36 | 23.4184 | 23.4184 | 23.4184 | Trinidad, California PM2.5 Monitor on Ewing St. | | | | | |
| 17 | 10/17/2023 8:20 | | 17 | 15 | 10.5684 | 10.5684 | 10.5684 | See all 3 days of Excell data on PDF at | | | | | |
| 18 | 10/17/2023 8:30 | | 17 | 19 | 10.5684 | 10.5684 | 10.5684 | https://rawsepresidents.wordpress.com Coast2Coast | | | | | |
| 19 | 10/17/2023 8:40 | | 17 | 14 | 10.5684 | 10.5684 | 10.5684 | | | | | | |
| 20 | 10/17/2023 8:50 | | 110 | 99 | 58.3704 | 58.3704 | 58.3704 | | | | | | |
| 21 | 10/17/2023 9:00 | | 84 | 76 | 45.0064 | 45.0064 | 45.0064 | | | | | | |
| 22 | 10/17/2023 9:10 | | 48 | 38 | 26.5024 | 26.5024 | 26.5024 | | | | | | |
| 23 | 10/17/2023 9:20 | | 76 | 68 | 40.8944 | 40.8944 | 40.8944 | | | | | | |
| 24 | 10/17/2023 9:30 | | 85 | 71 | 45.5204 | 45.5204 | 45.5204 | | | | | | |
| 25 | 10/17/2023 9:40 | | 91 | 81 | 48.6044 | 48.6044 | 48.6044 | | | | | | |
| 26 | 10/17/2023 9:50 | | 56 | 47 | 30.6144 | 30.6144 | 30.6144 | | | | | | |

20231020 6am Trinidad CA us-epa | yellow 20231020 6am CA us (2) | orange 20231020 6am CA us (3) | red 2



| DateTime | Average | Winslow, M | Winslow, Maine B | Above12 | Above25 | Above35 | PA x 0.5140 + 1.8304 WI conversion math formula |
|---|---|---|---|---|---|---|---|
| 10/17/2023 6:00 | 13.6 | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | Waterville, Maine (recorded at Winslow, Maine) |
| 10/17/2023 6:10 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | October 17,2023 5:50AM - October 20,2023 5:50AM |
| 10/17/2023 6:20 | | 3 | 2 | 3.3724 | 3.3724 | 3.3724 | Above 12 micrograms per cubic meter PM2.5? |
| 10/17/2023 6:30 | | 3 | 2 | 3.3724 | 3.3724 | 3.3724 | 294 periods of 10 minutes, 2940 minutes |
| 10/17/2023 6:40 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | (2940/60 = 49.00 hours in 3 days)(3 days is 72 hours) |
| 10/17/2023 6:50 | | 2 | 3 | 2.8584 | 2.8584 | 2.8584 | (49/72 = 68.05% of 3 days above 12 ug/m3 PM2.5) |
| 10/17/2023 7:00 | | 2 | 3 | 2.8584 | 2.8584 | 2.8584 | Above 25 micrograms per cubic meter PM2.5? |
| 10/17/2023 7:10 | | 3 | 3 | 3.3724 | 3.3724 | 3.3724 | No, 0% of 3 days above 25 ug/m3 PM2.5) |
| 10/17/2023 7:20 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | Above 35 micrograms per cubic meter PM2.5? |
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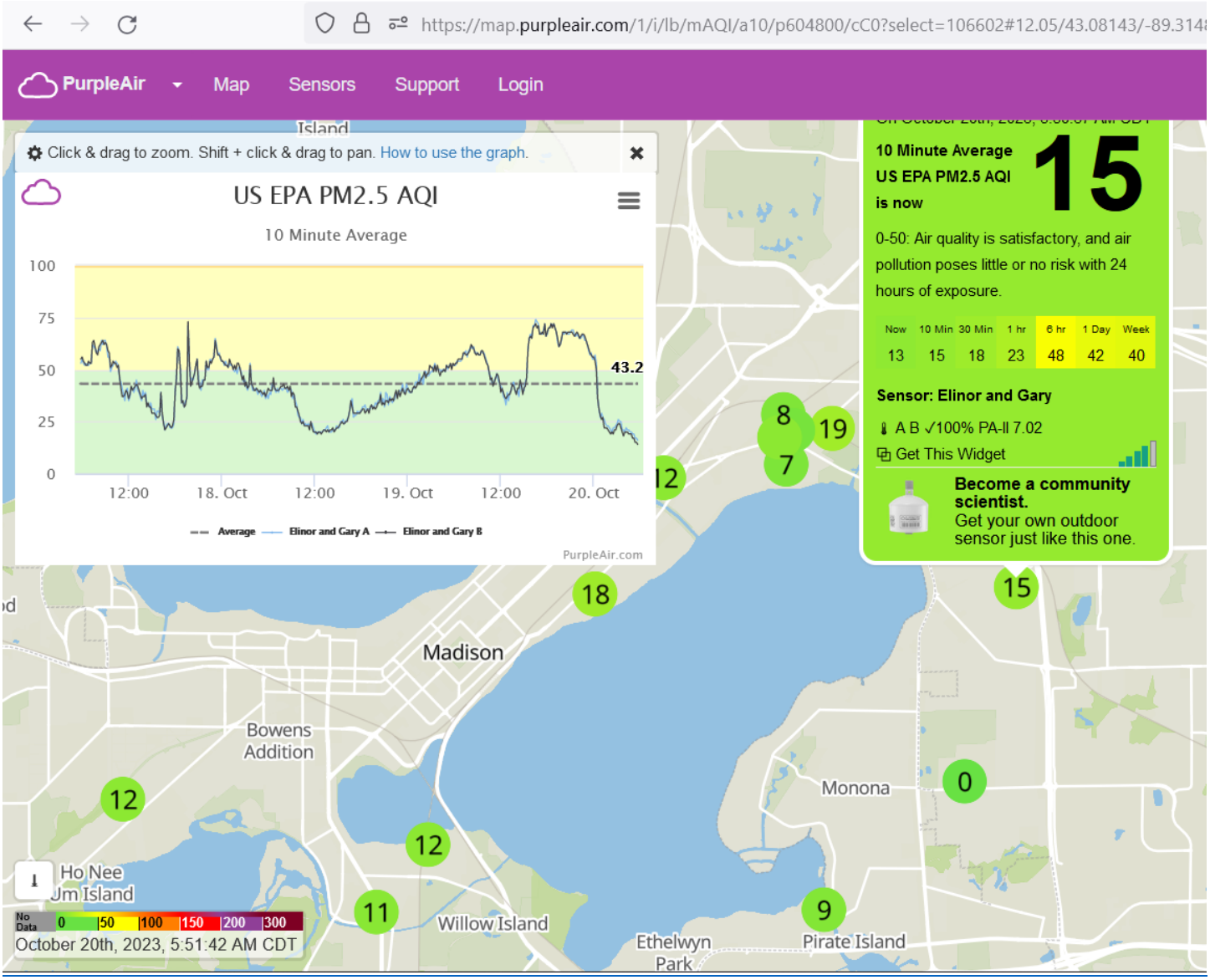
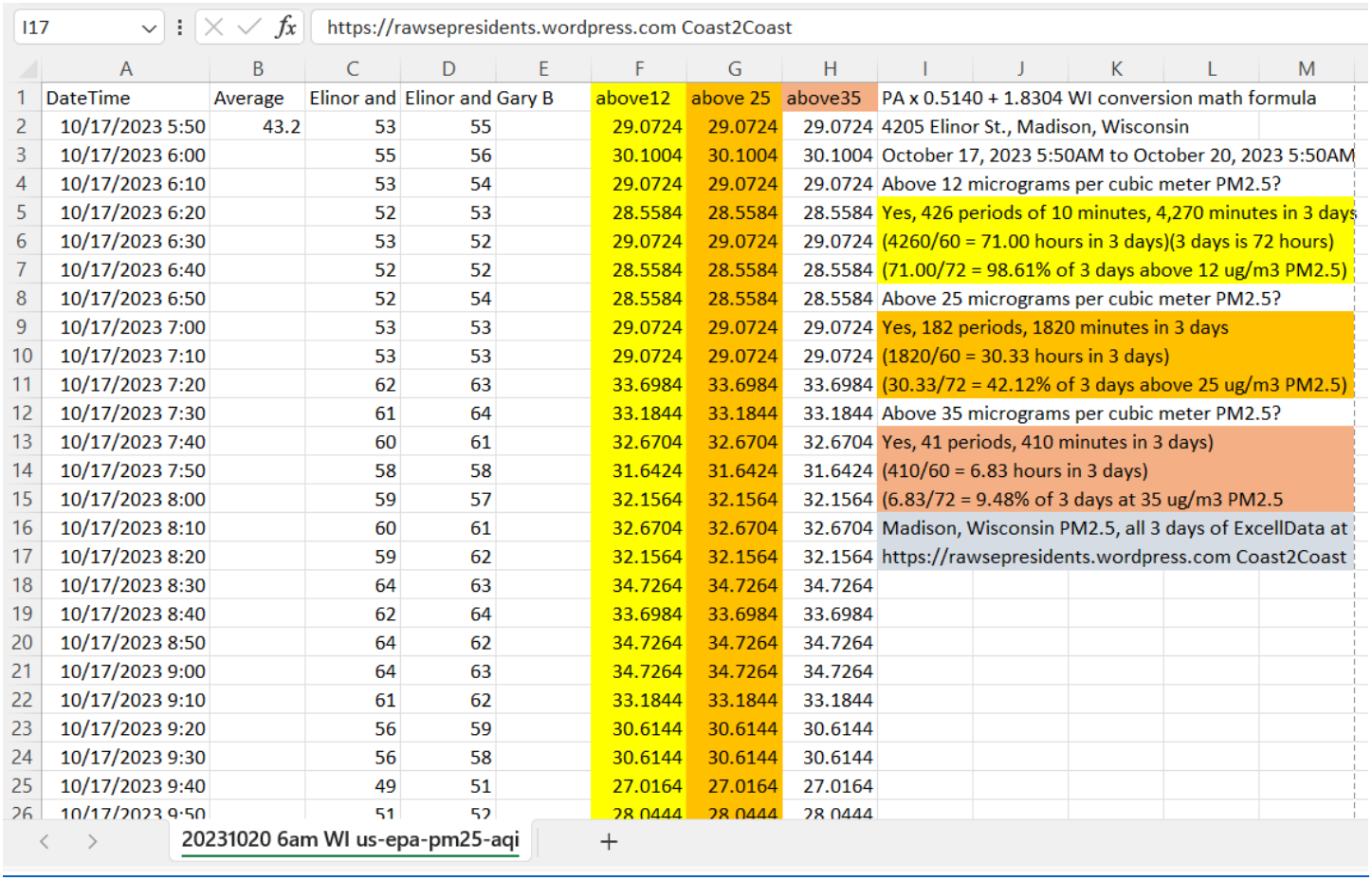
| 10/17/2023 7:40 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 7:50 | | 1 | 2 | 2.3444 | 2.3444 | 2.3444 | |
| 10/17/2023 8:00 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 8:10 | | 4 | 2 | 3.8864 | 3.8864 | 3.8864 | |
| 10/17/2023 8:20 | | 3 | 2 | 3.3724 | 3.3724 | 3.3724 | |
| 10/17/2023 8:30 | | 2 | 1 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 8:40 | | 1 | 2 | 2.3444 | 2.3444 | 2.3444 | |
| 10/17/2023 8:50 | | 1 | 1 | 2.3444 | 2.3444 | 2.3444 | |
| 10/17/2023 9:00 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 9:10 | | 2 | 1 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 9:20 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 9:30 | | 2 | 1 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 9:40 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 9:50 | | 2 | 2 | 2.8584 | 2.8584 | 2.8584 | |
| 10/17/2023 10:00 | | 3 | 3 | 3.3724 | 3.3724 | 3.3724 | |
| 10/17/2023 10:10 | | 4 | 3 | 3.8864 | 3.8864 | 3.8864 | |
| 10/17/2023 10:20 | | 3 | 3 | 3.3724 | 3.3724 | 3.3724 | |
| 10/17/2023 10:30 | | 4 | 4 | 3.8864 | 3.8864 | 3.8864 | |
| 10/17/2023 10:40 | | 3 | 4 | 3.3724 | 3.3724 | 3.3724 | |
| 10/17/2023 10:50 | | 4 | 3 | 3.8864 | 3.8864 | 3.8864 | |
| 10/17/2023 11:00 | | 4 | 4 | 3.8864 | 3.8864 | 3.8864 | |


https://map.purpleair.com/1/i/lb/mAQI/a10/p604800/cC0?select=106602#12.05/43.08143/-89.314
PurpleAir
Map
Sensors
Support
Login
Click & drag to zoom. Shift + click & drag to pan. How to use the graph.
US EPA PM2.5 AQI
10 Minute Average
100
75
50
25
0
43.2
12:00
18. Oct
12:00
19. Oct
12:00
20. Oct
Average
Elinor and Gary A
Elinor and Gary B
PurpleAir.com
10 Minute Average
US EPA PM2.5 AQI
is now
15
0-50: Air quality is satisfactory, and air pollution poses little or no risk with 24 hours of exposure.
Now 10 Min 30 Min 1 hr 6 hr 1 Day Week
13 15 18 23 48 42 40
Sensor: Elinor and Gary
A B ✓100% PA-II 7.02
Get This Widget
Become a community scientist.
Get your own outdoor sensor just like this one.
Madison
Bowens Addition
Monona
Willow Island
Ethelwyn Park
Pirate Island
Ho Nee
Jm Island
No Data
0
50
100
150
200
300
October 20th, 2023, 5:51:42 AM CDT




| | A | B | C | D | E | F | G | H | I | J | K | L | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | DateTime | Average | Elinor and | Elinor and | Gary B | above12 | above 25 | above35 | PA x 0.5140 + 1.8304 WI conversion math formula | | | | |
| 2 | 10/17/2023 5:50 | 43.2 | 53 | 55 | | 29.0724 | 29.0724 | 29.0724 | 4205 Elinor St., Madison, Wisconsin | | | | |
| 3 | 10/17/2023 6:00 | | 55 | 56 | | 30.1004 | 30.1004 | 30.1004 | October 17, 2023 5:50AM to October 20, 2023 5:50AM | | | | |
| 4 | 10/17/2023 6:10 | | 53 | 54 | | 29.0724 | 29.0724 | 29.0724 | Above 12 micrograms per cubic meter PM2.5? | | | | |
| 5 | 10/17/2023 6:20 | | 52 | 53 | | 28.5584 | 28.5584 | 28.5584 | Yes, 426 periods of 10 minutes, 4,270 minutes in 3 days | | | | |
| 6 | 10/17/2023 6:30 | | 53 | 52 | | 29.0724 | 29.0724 | 29.0724 | (4260/60 = 71.00 hours in 3 days)(3 days is 72 hours) | | | | |
| 7 | 10/17/2023 6:40 | | 52 | 52 | | 28.5584 | 28.5584 | 28.5584 | (71.00/72 = 98.61% of 3 days above 12 ug/m3 PM2.5) | | | | |
| 8 | 10/17/2023 6:50 | | 52 | 54 | | 28.5584 | 28.5584 | 28.5584 | Above 25 micrograms per cubic meter PM2.5? | | | | |
| 9 | 10/17/2023 7:00 | | 53 | 53 | | 29.0724 | 29.0724 | 29.0724 | Yes, 182 periods, 1820 minutes in 3 days | | | | |
| 10 | 10/17/2023 7:10 | | 53 | 53 | | 29.0724 | 29.0724 | 29.0724 | (1820/60 = 30.33 hours in 3 days) | | | | |
| 11 | 10/17/2023 7:20 | | 62 | 63 | | 33.6984 | 33.6984 | 33.6984 | (30.33/72 = 42.12% of 3 days above 25 ug/m3 PM2.5) | | | | |
| 12 | 10/17/2023 7:30 | | 61 | 64 | | 33.1844 | 33.1844 | 33.1844 | Above 35 micrograms per cubic meter PM2.5? | | | | |
| 13 | 10/17/2023 7:40 | | 60 | 61 | | 32.6704 | 32.6704 | 32.6704 | Yes, 41 periods, 410 minutes in 3 days) | | | | |
| 14 | 10/17/2023 7:50 | | 58 | 58 | | 31.6424 | 31.6424 | 31.6424 | (410/60 = 6.83 hours in 3 days) | | | | |
| 15 | 10/17/2023 8:00 | | 59 | 57 | | 32.1564 | 32.1564 | 32.1564 | (6.83/72 = 9.48% of 3 days at 35 ug/m3 PM2.5 | | | | |
| 16 | 10/17/2023 8:10 | | 60 | 61 | | 32.6704 | 32.6704 | 32.6704 | Madison, Wisconsin PM2.5, all 3 days of ExcellData at | | | | |
| 17 | 10/17/2023 8:20 | | 59 | 62 | | 32.1564 | 32.1564 | 32.1564 | https://rawsepresidents.wordpress.com Coast2Coast | | | | |
| 18 | 10/17/2023 8:30 | | 64 | 63 | | 34.7264 | 34.7264 | 34.7264 | | | | | |
| 19 | 10/17/2023 8:40 | | 62 | 64 | | 33.6984 | 33.6984 | 33.6984 | | | | | |
| 20 | 10/17/2023 8:50 | | 64 | 62 | | 34.7264 | 34.7264 | 34.7264 | | | | | |
| 21 | 10/17/2023 9:00 | | 64 | 63 | | 34.7264 | 34.7264 | 34.7264 | | | | | |
| 22 | 10/17/2023 9:10 | | 61 | 62 | | 33.1844 | 33.1844 | 33.1844 | | | | | |
| 23 | 10/17/2023 9:20 | | 56 | 59 | | 30.6144 | 30.6144 | 30.6144 | | | | | |
| 24 | 10/17/2023 9:30 | | 56 | 58 | | 30.6144 | 30.6144 | 30.6144 | | | | | |
| 25 | 10/17/2023 9:40 | | 49 | 51 | | 27.0164 | 27.0164 | 27.0164 | | | | | |
| 26 | 10/17/2023 9:50 | | 51 | 52 | | 28.0444 | 28.0444 | 28.0444 | | | | | |