

Episode 56LG November 9, 2023. Coast to Coast.

Over PM2.5 NAAQS % >12ug/m3 in 3 days % >25ug/m3 in 3 days  
% >35ug/m3 in 3 days

|                      |    |    |    |
|----------------------|----|----|----|
| California, Trinidad | 79 | 33 | 13 |
| Maine, Winslow       | 22 | 12 | 7  |
| Wisconsin, Madison   | 68 | 41 | 11 |

% 3 days >NAAQS 79.86% 33.33% 13.66%  
Ewing A 12 ug/m3 25 ug/m3 35 ug/m3  
PA 0.514 1.8304

number 10 minute periods in 72 hours, 3 sheets

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

California, Trinidad Ewing A

11/6/2023 6:50 to 11/9/2023 6:50

Above 12 micrograms per cubic meter PM2.5?

345 10 3450

data periods of 10 minutes equals periods x 10

3450 60 57.5

minutes divided by 60= hours in 3 days 72 hour

57.5 72 79.86%

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

Above 25 micrograms per cubic meter PM2.5?

144 10 1440

data periods of 10 minutes equals periods x 10

1440 60 24

minutes divided by 60= hours in 3 days 72 hour

24 72 33.33%

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

Above 35 micrograms per cubic meter PM2.5?

59 10 590

data periods of 10 minutes equals periods x 10

590 60 9.833333333

minutes divided by 60= hours in 3 days 72 hour

9.833333333 72 13.66%

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

California, Trinidad Ewing A

See all 3 days of Excell data on PDF at

<https://rawsepresidents.wordpress.com> % 3 days NAAQS

22.69% 12.04% 7.41%

12 ug/m3 25 ug/m3 35 ug/m3

0.514 1.8304

Winslow, Maine APA 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

11/6/2023 6:50 to 11/9/2023 6:40

Above 12 micrograms per cubic meter PM2.5?

98 10 980

data periods of 10 minutes equals periods x 10

980 60 16.333333333

minutes divided by 60= hours in 3 days 72 hour

16.333333333 72 22.69%

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

Above 25 micrograms per cubic meter PM2.5?

52 10 520

data periods of 10 minutes equals periods x 10

520 60 8.666666667

minutes divided by 60= hours in 3 days 72 hour

8.666666667 72 12.04%

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

Above 35 micrograms per cubic meter PM2.5?

32 10 320

data periods of 10 minutes equals periods x 10

320 60 5.333333333

minutes divided by 60= hours in 3 days 72 hour

5.333333333 72 7.41%

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

Maine, Winslow Winslow, Maine A

See all 3 days of Excell data on PDF at

<https://rawsepresidents.wordpress.com>

% 3 days >NAAQS 68.29% 41.67% 11.34%

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

11/6/2023 7:00 to 11/9/2023 6:50

Above 12 micrograms per cubic meter PM2.5?

295 10 2950

data periods of 10 minutes equals periods x 10

2950 60 49.166666667

minutes divided by 60= hours in 3 days 72 hour

49.166666667 72 68.29%

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

Above 25 micrograms per cubic meter PM2.5?

180 10 1800

data periods of 10 minutes equals periods x 10

1800 60 30

minutes divided by 60= hours in 3 days 72 hour

30 72 41.67%

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

Above 35 micrograms per cubic meter PM2.5?

49 10 490

data periods of 10 minutes equals periods x 10

490 60 8.166666667

minutes divided by 60= hours in 3 days 72 hour

8.166666667 72 11.34%

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

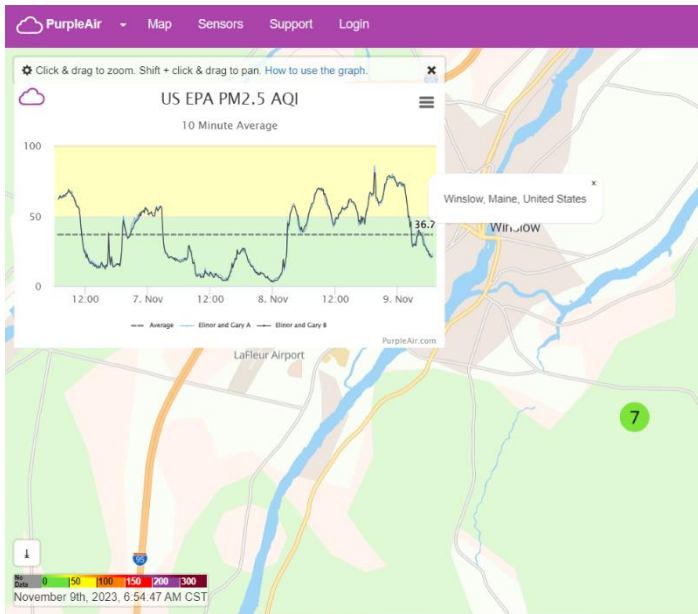
Wisconsin, Madison Elinor and Gary A

See all 3 days of Excell data on PDF at

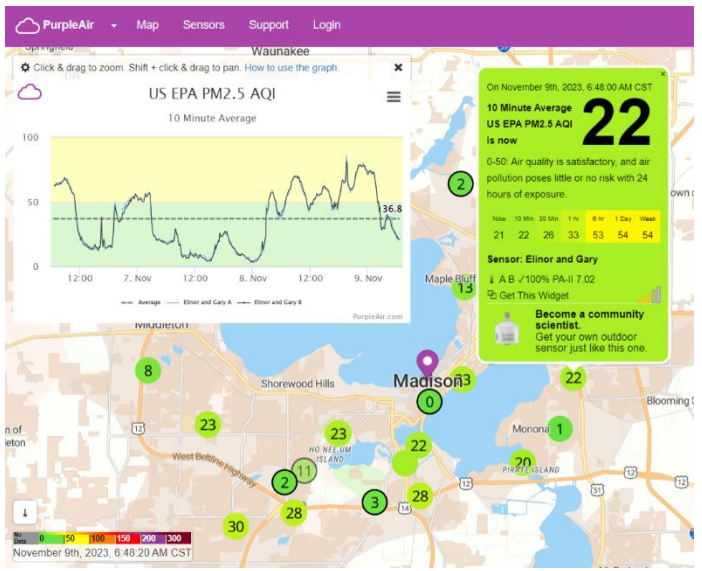
<https://rawsepresidents.wordpress.com>

| Over PM2.5 NAAQS     | % >12ug/m3 in 3 days | % >25ug/m3 in 3 days |
|----------------------|----------------------|----------------------|
| California, Trinidad | 79                   | 33                   |
| Maine, Winslow       | 22                   | 12                   |
| Wisconsin, Madison   | 68                   | 41                   |

|    | A               | B        | C        | D        | E                               | F       | G       | H  | I       | J           |
|----|-----------------|----------|----------|----------|---------------------------------|---------|---------|--|---------|-------------|
| 1  | % 3 days >NAAQS | 79.86%   | 33.33%   | 13.66%   | PA x 0.5140 + 1.8304 conversion | PA      |         |  | 0.514   | 1.8304      |
| 2  | Ewing A         | 12 ug/m3 | 25 ug/m3 | 35 ug/m3 | 345                             | 144     | 59      | number 10 minute periods in 72 hours, 3 sheets |         |             |
| 3  | Date/Time       | Average  | Ewing A  | Ewing B  | above12                         | above25 | above35 | 12,25,35 micrograms per cubic meter PM2.5      |         |             |
| 4  | 11/6/23 6:50    | 36.4     | 28       | 27       | 16.2224                         | 16.2224 | 16.2224 | California, Trinidad                           | Ewing A |             |
| 5  | 11/6/23 7:00    |          | 29       | 23       | 16.7364                         | 16.7364 | 16.7364 | 11/6/2023 6:50 to 11/8/2023 7:50               |         |             |
| 6  | 11/6/23 7:10    |          | 46       | 37       | 25.4744                         | 25.4744 | 25.4744 | Above 12 micrograms per cubic meter PM2.5?     |         |             |
| 7  | 11/6/23 7:20    |          | 32       | 28       | 18.2784                         | 18.2784 | 18.2784 | 345  | 10      | 3450        |
| 8  | 11/6/23 7:30    |          | 25       | 19       | 14.6804                         | 14.6804 | 14.6804 | data periods of 10 minutes equals periods x 10 |         |             |
| 9  | 11/6/23 7:40    |          | 24       | 22       | 14.1664                         | 14.1664 | 14.1664 | 3450   | 60      | 57.5        |
| 10 | 11/6/23 7:50    |          | 23       | 21       | 13.6524                         | 13.6524 | 13.6524 | minutes divided by 60= hours in 3 days 72 hour |         |             |
| 11 | 11/6/23 8:00    |          | 19       | 16       | 11.5964                         | 11.5964 | 11.5964 | 57.5   | 72      | 79.86%      |
| 12 | 11/6/23 8:10    |          | 15       | 16       | 9.5404                          | 9.5404  | 9.5404  | hours divided by 72 = % days > 12ug/m3 PM2.5   |         |             |
| 13 | 11/6/23 8:20    |          | 16       | 15       | 10.0544                         | 10.0544 | 10.0544 | Above 25 micrograms per cubic meter PM2.5?     |         |             |
| 14 | 11/6/23 8:30    |          | 16       | 14       | 10.0544                         | 10.0544 | 10.0544 | 144  | 10      | 1440        |
| 15 | 11/6/23 8:40    |          | 22       | 17       | 13.1384                         | 13.1384 | 13.1384 | data periods of 10 minutes equals periods x 10 |         |             |
| 16 | 11/6/23 8:50    |          | 24       | 21       | 14.1664                         | 14.1664 | 14.1664 | 1440   | 60      | 24          |
| 17 | 11/6/23 9:00    |          | 35       | 28       | 19.8204                         | 19.8204 | 19.8204 | minutes divided by 60= hours in 3 days 72 hour |         |             |
| 18 | 11/6/23 9:10    |          | 30       | 29       | 17.2504                         | 17.2504 | 17.2504 | 24   | 72      | 33.33%      |
| 19 | 11/6/23 9:20    |          | 30       | 26       | 17.2504                         | 17.2504 | 17.2504 | hours divided by 72 = % days > 25ug/m3 PM2.5   |         |             |
| 20 | 11/6/23 9:30    |          | 26       | 24       | 15.1944                         | 15.1944 | 15.1944 | Above 35 micrograms per cubic meter PM2.5?     |         |             |
| 21 | 11/6/23 9:40    |          | 45       | 38       | 24.9604                         | 24.9604 | 24.9604 | 59   | 10      | 590         |
| 22 | 11/6/23 9:50    |          | 40       | 31       | 22.3904                         | 22.3904 | 22.3904 | data periods of 10 minutes equals periods x 10 |         |             |
| 23 | 11/6/23 10:00   |          | 34       | 27       | 19.3064                         | 19.3064 | 19.3064 | 590  | 60      | 9.833333333 |
| 24 | 11/6/23 10:10   |          | 58       | 52       | 31.6424                         | 31.6424 | 31.6424 | minutes divided by 60= hours in 3 days 72 hour |         |             |
| 25 | 11/6/23 10:20   |          | 66       | 61       | 35.7544                         | 35.7544 | 35.7544 | 9.833333333                                    | 72      | 13.66%      |
| 26 | 11/6/23 10:30   |          | 64       | 57       | 34.7264                         | 34.7264 | 34.7264 | hours divided by 72 = % days > 12ug/m3 PM2.5   |         |             |
| 27 | 11/6/23 10:40   |          | 51       | 45       | 28.0444                         | 28.0444 | 28.0444 | California, Trinidad                           | Ewing A |             |
| 28 | 11/6/23 10:50   |          | 46       | 38       | 25.4744                         | 25.4744 | 25.4744 | See all 3 days of Excell data on PDF at        |         |             |
| 29 | 11/6/23 11:00   |          | 40       | 33       | 22.3904                         | 22.3904 | 22.3904 | https://rawsepresidents.wordpress.com          |         |             |
| 30 | 11/6/23 11:10   |          | 34       | 29       | 19.3064                         | 19.3064 | 19.3064 | Check C4                                       | 16.2224 |             |
| 31 | 11/6/23 11:20   |          | 28       | 23       | 16.2224                         | 16.2224 | 16.2224 |  |         |             |
| 32 | 11/6/23 11:30   |          | 40       | 35       | 22.3904                         | 22.3904 | 22.3904 |  |         |             |
| 33 | 11/6/23 11:40   |          | 37       | 30       | 20.8484                         | 20.8484 | 20.8484 |  |         |             |
| 34 | 11/6/23 11:50   |          | 25       | 23       | 14.6804                         | 14.6804 | 14.6804 |  |         |             |



|    | A                | B        | C          | D          | E                    | F          | G       | H   | I                | J              |
|----|------------------|----------|------------|------------|----------------------|------------|---------|---|------------------|----------------|
| 1  | % 3 days > NAAQS | 22.69%   | 12.04%     | 7.41%      | PA x 0.5140 + 1.8304 | conversion | PA      |   | 0.514            | 1.8304         |
| 2  | Winslow, Maine A | 12 ug/m3 | 25 ug/m3   | 35 ug/m3   | 98                   | 52         | 32      | no. 10 minute periods in 72 hours, 3 sheets   |                  |                |
| 3  | DateTime         | Average  | Winslow, I | Winslow, I | above12              | above25    | above35 | 12,25,35 micrograms per cubic meter PM2.5   |                  |                |
| 4  | 11/6/2023 6:50   | 15.7     | 19         | 22         | 11.5964              | 11.5964    | 11.5964 | Maine, Winslow  | Winslow, Maine A |                |
| 5  | 11/6/2023 7:00   |          | 19         | 21         | 11.5964              | 11.5964    | 11.5964 | 11/6/2023 6:50  | to               | 11/9/2023 6:40 |
| 6  | 11/6/2023 7:10   |          | 21         | 25         | 12.6244              | 12.6244    | 12.6244 | Above 12 micrograms per cubic meter PM2.5?  |                  |                |
| 7  | 11/6/2023 7:20   |          | 20         | 24         | 12.1104              | 12.1104    | 12.1104 | 98  | 10               | 980            |
| 8  | 11/6/2023 7:30   |          | 14         | 16         | 9.0264               | 9.0264     | 9.0264  | data periods of 10 minutes equals periods x 10  |                  |                |
| 9  | 11/6/2023 7:40   |          | 12         | 13         | 7.9984               | 7.9984     | 7.9984  | 980   | 60               | 16.33333333    |
| 10 | 11/6/2023 7:50   |          | 11         | 12         | 7.4844               | 7.4844     | 7.4844  | minutes divided by 60= hours in 3 days 72 hour  |                  |                |
| 11 | 11/6/2023 8:00   |          | 12         | 11         | 7.9984               | 7.9984     | 7.9984  | 16.33333333   | 72               | 22.69%         |
| 12 | 11/6/2023 8:10   |          | 11         | 12         | 7.4844               | 7.4844     | 7.4844  | hours divided by 72 = % days > 12ug/m3 PM2.5  |                  |                |
| 13 | 11/6/2023 8:20   |          | 11         | 11         | 7.4844               | 7.4844     | 7.4844  | Above 25 micrograms per cubic meter PM2.5?  |                  |                |
| 14 | 11/6/2023 8:30   |          | 12         | 10         | 7.9984               | 7.9984     | 7.9984  | 52  | 10               | 520            |
| 15 | 11/6/2023 8:40   |          | 11         | 10         | 7.4844               | 7.4844     | 7.4844  | data periods of 10 minutes equals periods x 10  |                  |                |
| 16 | 11/6/2023 8:50   |          | 10         | 10         | 6.9704               | 6.9704     | 6.9704  | 520   | 60               | 8.66666667     |
| 17 | 11/6/2023 9:00   |          | 9          | 9          | 6.4564               | 6.4564     | 6.4564  | minutes divided by 60= hours in 3 days 72 hour  |                  |                |
| 18 | 11/6/2023 9:10   |          | 9          | 10         | 6.4564               | 6.4564     | 6.4564  | 8.66666667  | 72               | 12.04%         |
| 19 | 11/6/2023 9:20   |          | 11         | 10         | 7.4844               | 7.4844     | 7.4844  | hours divided by 72 = % days > 25ug/m3 PM2.5  |                  |                |
| 20 | 11/6/2023 9:30   |          | 11         | 10         | 7.4844               | 7.4844     | 7.4844  | Above 35 micrograms per cubic meter PM2.5?  |                  |                |
| 21 | 11/6/2023 9:40   |          | 10         | 10         | 6.9704               | 6.9704     | 6.9704  | 32  | 10               | 320            |
| 22 | 11/6/2023 9:50   |          | 10         | 11         | 6.9704               | 6.9704     | 6.9704  | data periods of 10 minutes equals periods x 10  |                  |                |
| 23 | 11/6/2023 10:00  |          | 10         | 11         | 6.9704               | 6.9704     | 6.9704  | 320   | 60               | 5.333333333    |
| 24 | 11/6/2023 10:10  |          | 12         | 12         | 7.9984               | 7.9984     | 7.9984  | minutes divided by 60= hours in 3 days 72 hour  |                  |                |
| 25 | 11/6/2023 10:20  |          | 11         | 12         | 7.4844               | 7.4844     | 7.4844  | 5.333333333   | 72               | 7.41%          |
| 26 | 11/6/2023 10:30  |          | 12         | 12         | 7.9984               | 7.9984     | 7.9984  | hours divided by 72 = % days > 12ug/m3 PM2.5  |                  |                |
| 27 | 11/6/2023 10:40  |          | 13         | 12         | 8.5124               | 8.5124     | 8.5124  | Maine, Winslow  | Winslow, Maine A |                |
| 28 | 11/6/2023 10:50  |          | 12         | 13         | 7.9984               | 7.9984     | 7.9984  | See all 3 days of Excell data on PDF at   |                  |                |
| 29 | 11/6/2023 11:00  |          | 12         | 13         | 7.9984               | 7.9984     | 7.9984  | <a href="https://rawseepresidents.wordpress.com">https://rawseepresidents.wordpress.com</a> |                  |                |
| 30 | 11/6/2023 11:10  |          | 13         | 14         | 8.5124               | 8.5124     | 8.5124  | Check C4  | 11.5964          |                |
| 31 | 11/6/2023 11:20  |          | 13         | 13         | 8.5124               | 8.5124     | 8.5124  |   |                  |                |
| 32 | 11/6/2023 11:30  |          | 15         | 16         | 9.5404               | 9.5404     | 9.5404  |   |                  |                |
| 33 | 11/6/2023 11:40  |          | 14         | 14         | 9.0264               | 9.0264     | 9.0264  |   |                  |                |
| 34 | 11/6/2023 11:50  |          | 14         | 15         | 9.0264               | 9.0264     | 9.0264  |   |                  |                |



| A  | B                 | C        | D                     | E        | F                    | G          | H   | I  | J      | K |
|----|-------------------|----------|-----------------------|----------|----------------------|------------|---|--|--------|---|
| 1  | % 3 days NAAQS    | 68.29%   | 41.67%                | 11.34%   | PA x 0.5140 + 1.8304 | conversion | PA  | 0.514  | 1.8304 |   |
| 2  | Elinor and Gary A | 12 ug/m3 | 25 ug/m3              | 35 ug/m3 | 295                  | 180        | 49  | no. 10 minute periods in 72 hours, 3 sheets    |        |   |
| 3  | DateTime          | Average  | Elinor and Elinor and | above12  | above25              | above35    | 12,25,35 micrograms per cubic meter PM2.5 |  |        |   |
| 4  | 11/6/2023 7:00    | 36.6     | 64                    | 63       | 34.7264              | 34.7264    | 34.7264                                   | Wisconsin, Madison Elinor and Gary A           |        |   |
| 5  | 11/6/2023 7:10    | 65       | 64                    | 64       | 35.2404              | 35.2404    | 35.2404                                   | 11/6/2023 7:00 to 11/9/2023 6:50               |        |   |
| 6  | 11/6/2023 7:20    | 64       | 63                    | 63       | 34.7264              | 34.7264    | 34.7264                                   | Above 12 micrograms per cubic meter PM2.5?     |        |   |
| 7  | 11/6/2023 7:30    | 64       | 63                    | 64       | 34.7264              | 34.7264    | 34.7264                                   | 295 10 2950                                    |        |   |
| 8  | 11/6/2023 7:40    | 64       | 64                    | 64       | 34.7264              | 34.7264    | 34.7264                                   | data periods of 10 minutes equals periods x 10 |        |   |
| 9  | 11/6/2023 7:50    | 63       | 65                    | 63       | 34.2124              | 34.2124    | 34.2124                                   | 2950 60 49.16666667                            |        |   |
| 10 | 11/6/2023 8:00    | 64       | 64                    | 64       | 34.7264              | 34.7264    | 34.7264                                   | minutes divided by 60= hours in 3 days 72 hour |        |   |
| 11 | 11/6/2023 8:10    | 64       | 65                    | 64       | 34.7264              | 34.7264    | 34.7264                                   | 49.16666667 72 68.29%                          |        |   |
| 12 | 11/6/2023 8:20    | 64       | 66                    | 64       | 34.7264              | 34.7264    | 34.7264                                   | hours divided by 72 = % days > 12ug/m3 PM2.5   |        |   |
| 13 | 11/6/2023 8:30    | 66       | 66                    | 66       | 35.7544              | 35.7544    | 35.7544                                   | Above 25 micrograms per cubic meter PM2.5?     |        |   |
| 14 | 11/6/2023 8:40    | 67       | 67                    | 67       | 36.2684              | 36.2684    | 36.2684                                   | 180 10 1800                                    |        |   |
| 15 | 11/6/2023 8:50    | 68       | 69                    | 68       | 36.7824              | 36.7824    | 36.7824                                   | data periods of 10 minutes equals periods x 10 |        |   |
| 16 | 11/6/2023 9:00    | 67       | 67                    | 67       | 36.2684              | 36.2684    | 36.2684                                   | 1800 60 30                                     |        |   |
| 17 | 11/6/2023 9:10    | 66       | 67                    | 66       | 35.7544              | 35.7544    | 35.7544                                   | minutes divided by 60= hours in 3 days 72 hour |        |   |
| 18 | 11/6/2023 9:20    | 68       | 66                    | 66       | 36.7824              | 36.7824    | 36.7824                                   | 30 72 41.67%                                   |        |   |
| 19 | 11/6/2023 9:30    | 67       | 64                    | 64       | 36.2684              | 36.2684    | 36.2684                                   | hours divided by 72 = % days > 25ug/m3 PM2.5   |        |   |
| 20 | 11/6/2023 9:40    | 64       | 64                    | 64       | 34.7264              | 34.7264    | 34.7264                                   | Above 35 micrograms per cubic meter PM2.5?     |        |   |
| 21 | 11/6/2023 9:50    | 62       | 63                    | 63       | 33.6984              | 33.6984    | 33.6984                                   | 49 10 490                                      |        |   |
| 22 | 11/6/2023 10:00   | 60       | 61                    | 60       | 32.6704              | 32.6704    | 32.6704                                   | data periods of 10 minutes equals periods x 10 |        |   |
| 23 | 11/6/2023 10:10   | 61       | 59                    | 59       | 33.1844              | 33.1844    | 33.1844                                   | 490 60 8.16666667                              |        |   |
| 24 | 11/6/2023 10:20   | 58       | 57                    | 57       | 31.6424              | 31.6424    | 31.6424                                   | minutes divided by 60= hours in 3 days 72 hour |        |   |
| 25 | 11/6/2023 10:30   | 56       | 57                    | 56       | 30.6144              | 30.6144    | 30.6144                                   | 8.16666667 72 11.34%                           |        |   |
| 26 | 11/6/2023 10:40   | 57       | 56                    | 56       | 31.1284              | 31.1284    | 31.1284                                   | hours divided by 72 = % days > 12ug/m3 PM2.5   |        |   |
| 27 | 11/6/2023 10:50   | 55       | 55                    | 55       | 30.1004              | 30.1004    | 30.1004                                   | Wisconsin, Madison Elinor and Gary A           |        |   |
| 28 | 11/6/2023 11:00   | 50       | 50                    | 50       | 27.5304              | 27.5304    | 27.5304                                   | See all 3 days of Excell data on PDF at        |        |   |
| 29 | 11/6/2023 11:10   | 42       | 42                    | 42       | 23.4184              | 23.4184    | 23.4184                                   | https://rawsepresidents.wordpress.com          |        |   |
| 30 | 11/6/2023 11:20   | 39       | 36                    | 36       | 21.8764              | 21.8764    | 21.8764                                   | Check C4 34.7264                               |        |   |
| 31 | 11/6/2023 11:30   | 33       | 31                    | 31       | 18.7924              | 18.7924    | 18.7924                                   |  |        |   |
| 32 | 11/6/2023 11:40   | 28       | 27                    | 27       | 16.2224              | 16.2224    | 16.2224                                   |  |        |   |
| 33 | 11/6/2023 11:50   | 24       | 24                    | 24       | 14.1664              | 14.1664    | 14.1664                                   |  |        |   |
| 34 | 11/6/2023 12:00   | 26       | 24                    | 24       | 15.1944              | 15.1944    | 15.1944                                   |  |        |   |

