

CATOCTIN MOUNTAIN (NATIONAL PARK)

THURMONT, FREDERICK COUNTY, MARYLAND

RAWS Station Elevation: 1485 feet (453 meters); Coordinates: 39° 39' 05"N 77° 29' 36"W; NWS ID: FOXM2

POR: 2010-Present

AVERAGE MAXIMUM TEMPERATURE (°F)

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Winter | Spring | Summer | Autumn | |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|
| 2010 | | | | | 66.5 | 71.4 | 80.3 | 86.8 | 80.8 | 77.0 | 63.0 | 51.0 | 33.1 | | | | 82.6 | 63.7 |
| 2011 | 32.3 | 43.0 | 48.5 | 62.5 | 72.2 | 78.6 | 86.6 | 80.3 | 71.6 | 59.7 | 55.9 | 45.7 | 61.4 | 36.1 | 61.1 | 81.8 | 62.4 | |
| 2012 | 41.6 | 44.6 | 60.0 | 60.8 | 74.4 | 77.6 | 84.1 | 81.0 | 72.6 | 60.4 | 47.2 | 44.1 | 62.4 | 43.9 | 65.1 | 80.9 | 60.1 | |
| 2013 | 40.1 | 35.9 | 43.0 | 61.1 | 69.9 | 78.2 | 81.7 | 77.4 | 72.9 | 63.2 | 46.6 | 42.2 | 59.4 | 40.1 | 58.0 | 79.1 | 60.9 | |
| 2014 | 32.1 | 36.9 | 44.6 | 59.9 | 70.5 | 78.1 | | | | | | | | 37.1 | 58.3 | | | |
| 2015 | | | | 63.0 | 75.8 | 77.5 | 81.1 | 80.7 | 75.8 | 60.7 | 56.3 | 52.4 | | | | 79.8 | 64.3 | |
| 2016 | 36.3 | 41.5 | 56.4 | 60.8 | 66.6 | 78.6 | 84.0 | 84.4 | 76.7 | 64.6 | 55.1 | 39.8 | 62.1 | 43.4 | 61.3 | 82.3 | 65.4 | |
| 2017 | 39.8 | 50.2 | 47.4 | 67.0 | 67.1 | 79.2 | 81.7 | 77.7 | 73.3 | 66.5 | 50.1 | 37.2 | 61.4 | 43.3 | 60.5 | 79.5 | 63.3 | |
| 2018 | 36.4 | 46.5 | 43.0 | 56.1 | 75.5 | 77.0 | 81.9 | 81.7 | 73.9 | 61.7 | 43.8 | 41.9 | 59.9 | 40.0 | 58.2 | 80.2 | 59.8 | |
| 2019 | 35.0 | 41.0 | 47.3 | 64.1 | 72.3 | 78.3 | 84.6 | 81.4 | 77.2 | 63.7 | 46.7 | 41.6 | 61.1 | 39.3 | 61.2 | 81.4 | 62.5 | |
| 2020 | 41.6 | 44.7 | 54.8 | 56.6 | 66.2 | 79.0 | 86.4 | 81.7 | 72.4 | 63.4 | 57.4 | 41.0 | 62.1 | 42.6 | 59.2 | 82.4 | 64.4 | |
| 2021 | 36.6 | 37.3 | 54.2 | 61.7 | 69.2 | 80.0 | 83.2 | 83.0 | 74.5 | 65.6 | 49.3 | 47.9 | 61.9 | 38.3 | 61.7 | 82.1 | 63.1 | |
| 2022 | 34.0 | 44.4 | 53.0 | 58.7 | 71.2 | 78.4 | 83.1 | 82.7 | 73.2 | 59.9 | 53.1 | 40.5 | 61.0 | 42.1 | 61.0 | 81.4 | 62.1 | |
| 2023 | 46.3 | 49.6 | 50.6 | 66.2 | 69.8 | 76.1 | 84.6 | 80.5 | 74.1 | 63.9 | 51.3 | 45.8 | 63.2 | 45.5 | 62.2 | 80.4 | 63.1 | |
| 2024 | 38.9 | 46.8 | 53.8 | 63.1 | 71.7 | 82.3 | 85.3 | 80.4 | 72.1 | 66.0 | 53.8 | 40.1 | 62.9 | 43.8 | 62.9 | 82.7 | 64.0 | |
| 2025 | 32.2 | 40.3 | 56.7 | 62.1 | 68.7 | 81.0 | 85.7 | 77.2 | | 62.1 | 50.8 | 37.7 | | 37.5 | 62.5 | 81.3 | | |
| 2026 | 33.7 | 40.0 | 57.5 | 67.1 | | | | | | | | | | 37.1 | | | | |
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Winter | Spring | Summer | Autumn | |
| Average | 37.1 | 42.8 | 51.4 | 62.2 | 70.8 | 78.8 | 84.0 | 80.7 | 74.1 | 63.0 | 51.2 | 42.1 | 61.5 | 40.7 | 60.9 | 81.2 | 62.8 | |
| Maximum | 46.3 | 50.2 | 60.0 | 67.1 | 75.8 | 82.3 | 86.8 | 84.4 | 77.2 | 66.5 | 57.4 | 52.4 | 63.2 | 45.5 | 65.1 | 82.7 | 65.4 | |
| Minimum | 32.1 | 35.9 | 43.0 | 56.1 | 66.2 | 76.1 | 81.1 | 77.2 | 71.6 | 59.7 | 43.8 | 33.1 | 59.4 | 36.1 | 58.0 | 79.1 | 59.8 | |

AVERAGE MINIMUM TEMPERATURE (°F)

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Winter | Spring | Summer | Autumn |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2010 | | | | 45.2 | 54.1 | 62.2 | 65.0 | 61.8 | 55.1 | 45.3 | 36.1 | 21.9 | | | | 63.0 | 45.5 |
| 2011 | 19.3 | 25.0 | 31.0 | 44.1 | 54.0 | 60.1 | 65.3 | 61.6 | 57.9 | 44.1 | 39.4 | 31.5 | 44.4 | 22.1 | 43.1 | 62.3 | 47.1 |
| 2012 | 25.4 | 29.4 | 40.8 | 40.2 | 55.6 | 57.3 | 65.7 | 62.1 | 54.0 | 45.2 | 32.4 | 31.7 | 45.0 | 28.8 | 45.6 | 61.7 | 43.9 |
| 2013 | 26.5 | 23.2 | 28.7 | 42.2 | 49.7 | 60.3 | 65.2 | 60.3 | 51.4 | 46.6 | 31.2 | 28.2 | 42.8 | 27.2 | 40.2 | 61.9 | 43.1 |
| 2014 | 14.8 | 20.3 | 25.4 | 39.8 | 50.6 | 59.4 | | | | | | | | 21.1 | 38.6 | | |
| 2015 | | | | 43.4 | 55.7 | 60.8 | 62.4 | 60.4 | 57.2 | 42.9 | 40.5 | 39.5 | | | | 61.2 | 46.9 |
| 2016 | 20.8 | 25.0 | 37.7 | 39.6 | 50.0 | 59.1 | 65.5 | 64.7 | 58.4 | 46.2 | 37.7 | 27.1 | 44.3 | 28.4 | 42.5 | 63.1 | 47.4 |
| 2017 | 27.8 | 32.0 | 29.4 | 48.1 | 50.0 | 59.4 | 64.2 | 59.4 | 54.6 | 48.9 | 34.3 | 25.3 | 44.4 | 29.0 | 42.5 | 61.0 | 46.0 |
| 2018 | 20.7 | 30.1 | 27.3 | 37.6 | 57.8 | 58.7 | 62.5 | 64.4 | 61.0 | 47.7 | 32.8 | 28.8 | 44.1 | 25.4 | 40.9 | 61.9 | 47.2 |
| 2019 | 21.7 | 26.9 | 29.3 | 44.7 | 54.9 | 58.9 | 63.8 | 61.7 | 57.3 | 46.8 | 31.1 | 29.1 | 43.8 | 25.8 | 42.9 | 61.5 | 45.1 |
| 2020 | 28.0 | 29.6 | 37.1 | 38.0 | 47.7 | 59.3 | 65.7 | 63.8 | 53.3 | 45.3 | 40.6 | 27.5 | 44.7 | 28.9 | 40.9 | 62.9 | 46.4 |
| 2021 | 25.9 | 23.5 | 34.4 | 41.8 | 48.2 | 60.4 | 63.0 | 64.6 | 55.9 | 51.4 | 32.8 | 33.6 | 44.6 | 25.6 | 41.5 | 62.7 | 46.7 |
| 2022 | 18.0 | 25.1 | 33.8 | 39.5 | 51.6 | 58.6 | 63.9 | 62.8 | 55.4 | 42.2 | 37.9 | 26.4 | 42.9 | 25.6 | 41.6 | 61.8 | 45.2 |
| 2023 | 29.9 | 30.1 | 32.1 | 44.3 | 45.9 | 54.8 | 64.5 | 60.8 | 55.4 | 46.5 | 34.0 | 33.5 | 44.3 | 28.8 | 40.8 | 60.0 | 45.3 |
| 2024 | 26.8 | 29.5 | 36.2 | 44.8 | 53.9 | 60.0 | 64.7 | 61.4 | 55.5 | 45.6 | 38.2 | 27.7 | 45.4 | 29.9 | 45.0 | 62.0 | 46.4 |
| 2025 | 18.8 | 24.5 | 35.5 | 43.8 | 51.1 | 60.8 | 66.4 | 58.1 | | 44.5 | 35.6 | 23.2 | | 23.7 | 43.5 | 61.8 | |
| 2026 | 19.0 | 23.1 | 36.3 | 45.0 | | | | | | | | | | 21.8 | | | |
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Winter | Spring | Summer | Autumn |
| Average | 22.9 | 26.5 | 33.0 | 42.5 | 51.9 | 59.4 | 64.5 | 61.9 | 55.9 | 45.9 | 35.6 | 29.0 | 44.1 | 26.1 | 42.1 | 61.9 | 45.9 |
| Maximum | 29.9 | 32.0 | 40.8 | 48.1 | 57.8 | 62.2 | 66.4 | 64.7 | 61.0 | 51.4 | 40.6 | 39.5 | 45.4 | 29.9 | 45.6 | 63.1 | 47.4 |
| Minimum | 14.8 | 20.3 | 25.4 | 37.6 | 45.9 | 54.8 | 62.4 | 58.1 | 51.4 | 42.2 | 31.1 | 21.9 | 42.8 | 21.1 | 38.6 | 60.0 | 43.1 |

AVERAGE MEAN TEMPERATURE (°F)

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Winter | Spring | Summer | Autumn |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2010 | | | | 55.9 | 62.8 | 71.3 | 75.9 | 71.3 | 66.0 | 54.1 | 43.6 | 27.5 | | | | 72.8 | 54.6 |
| 2011 | 25.8 | 34.0 | 39.8 | 53.3 | 63.1 | 69.3 | 75.9 | 71.0 | 64.7 | 51.9 | 47.7 | 38.6 | 52.9 | 29.1 | 52.1 | 72.1 | 54.8 |
| 2012 | 33.5 | 37.0 | 50.4 | 50.5 | 65.0 | 67.4 | 74.9 | 71.5 | 63.3 | 52.8 | 39.8 | 37.9 | 53.7 | 36.3 | 55.3 | 71.3 | 52.0 |
| 2013 | 33.3 | 29.6 | 35.9 | 51.7 | 59.8 | 69.2 | 73.4 | 68.8 | 62.2 | 54.9 | 38.9 | 35.2 | 51.1 | 33.6 | 49.1 | 70.5 | 52.0 |
| 2014 | 23.5 | 28.6 | 35.0 | 49.9 | 60.5 | 68.8 | | | | | | | | 29.1 | 48.5 | | |
| 2015 | | | | 53.2 | 65.8 | 69.2 | 71.7 | 70.5 | 66.5 | 51.8 | 48.4 | 45.9 | | | | 70.5 | 55.6 |
| 2016 | 28.5 | 33.2 | 47.1 | 50.2 | 58.3 | 68.9 | 74.7 | 74.6 | 67.6 | 55.4 | 46.4 | 33.5 | 53.2 | 35.9 | 51.9 | 72.7 | 56.4 |
| 2017 | 33.8 | 41.1 | 38.4 | 57.6 | 58.5 | 69.3 | 73.0 | 68.5 | 64.0 | 57.7 | 42.2 | 31.3 | 52.9 | 36.1 | 51.5 | 70.3 | 54.6 |
| 2018 | 28.5 | 38.3 | 35.2 | 46.9 | 66.6 | 67.9 | 72.2 | 73.1 | 67.5 | 54.7 | 38.3 | 35.4 | 52.0 | 32.7 | 49.6 | 71.0 | 53.5 |
| 2019 | 28.4 | 33.9 | 38.3 | 54.4 | 63.6 | 68.6 | 74.2 | 71.6 | 67.3 | 55.3 | 38.9 | 35.4 | 52.5 | 32.5 | 52.1 | 71.4 | 53.8 |
| 2020 | 34.8 | 37.2 | 46.0 | 47.3 | 57.0 | 69.2 | 76.1 | 72.8 | 62.9 | 54.4 | 49.0 | 34.3 | 53.4 | 35.8 | 50.1 | 72.7 | 55.4 |
| 2021 | 31.3 | 30.4 | 44.3 | 51.8 | 58.7 | 70.2 | 73.1 | 73.8 | 65.2 | 58.5 | 41.1 | 40.8 | 53.3 | 32.0 | 51.6 | 72.4 | 54.9 |
| 2022 | 26.0 | 34.8 | 43.4 | 49.1 | 61.4 | 68.5 | 73.5 | 72.8 | 64.3 | 51.1 | 45.5 | 33.5 | 52.0 | 33.8 | 51.3 | 71.6 | 53.6 |
| 2023 | 38.1 | 39.9 | 41.4 | 55.3 | 57.9 | 65.5 | 74.6 | 70.7 | 64.8 | 55.2 | 42.7 | 39.7 | 53.8 | 37.1 | 51.5 | 70.2 | 54.2 |
| 2024 | 32.9 | 38.2 | 45.0 | 54.0 | 62.8 | 71.2 | 75.0 | 70.9 | 63.8 | 55.8 | 46.0 | 33.9 | 54.1 | 36.9 | 53.9 | 72.4 | 55.2 |
| 2025 | 25.5 | 32.4 | 46.1 | 53.0 | 59.9 | 70.9 | 76.1 | 67.7 | | 53.3 | 43.2 | 30.5 | | 30.6 | 53.0 | 71.5 | |
| 2026 | 26.4 | 31.6 | 46.9 | 56.1 | | | | | | | | | | 29.5 | | | |
| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Winter | Spring | Summer | Autumn |
| Average | 30.0 | 34.7 | 42.2 | 52.3 | 61.4 | 69.1 | 74.3 | 71.3 | 65.0 | 54.4 | 43.4 | 35.5 | 52.8 | 33.4 | 45.9 | 65.2 | 49.3 |
| Maximum | 38.1 | 41.1 | 50.4 | 57.6 | 66.6 | 71.3 | 76.1 | 74.6 | 67.6 | 58.5 | 49.0 | 45.9 | 54.1 | 37.1 | 55.3 | 72.8 | 56.4 |
| Minimum | 23.5 | 28.6 | 35.0 | 46.9 | 57.0 | 65.5 | 71.7 | 67.7 | 62.2 | 51.1 | 38.3 | 27.5 | 51.1 | 29.1 | 48.5 | 70.2 | 52.0 |

Updated 5/6/2026

DATA SOURCE: Remote Automated Weather Stations (RAWS) USA Climate Archive: <https://raws.dri.edu/index.html>

NOTES: 1) Remote Automated Weather Stations (RAWS): There are nearly 2,200 interagency Remote Automated Weather Stations (RAWS) strategically located throughout the United States. RAWS are self-contained, portable, and permanent, solar powered weather stations that provide timely local weather data used primarily in fire management. These stations monitor the weather and provide weather data that assists land management agencies with a variety of projects such as monitoring air quality, rating fire danger, and providing information for research applications.

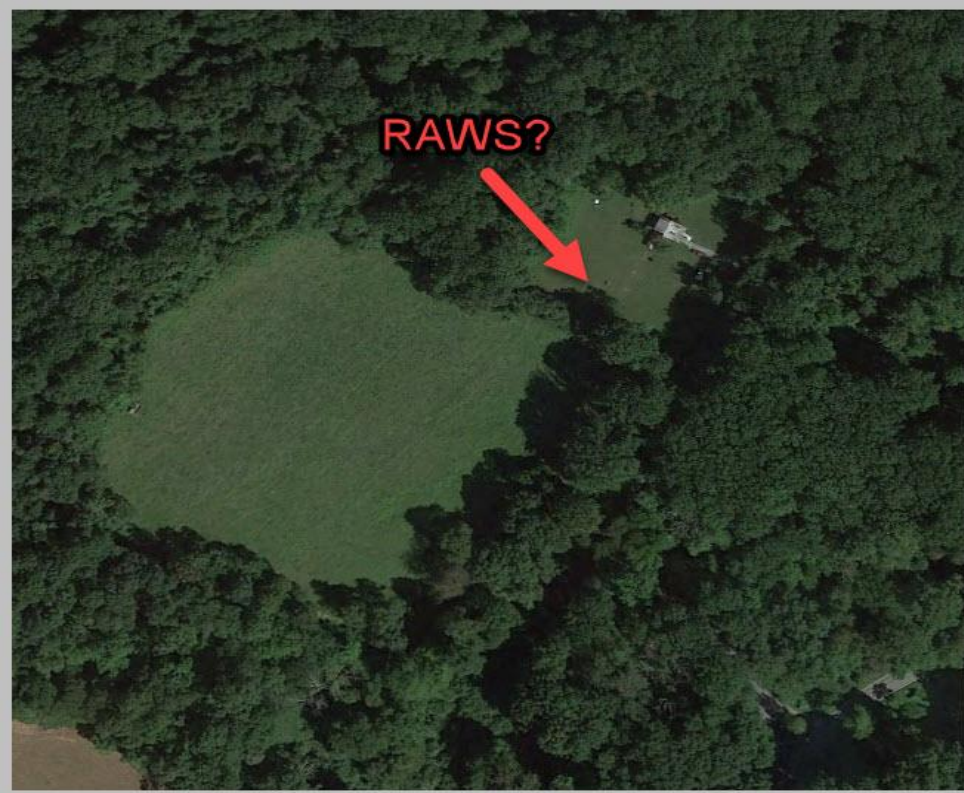
2) Bold red values indicate extreme maxima, bold blue values indicate extreme minima.

3) Cells with this gray background indicate Missing, Incomplete, or Future data.

4) The "Average Daily Temperature" values are Mean Temperatures between the Average Daily High and Low tables except for Annual and Seasonal Averages which average each year's individual months. These values may not agree with the RAWS averages in the WRCC website.

5) Seasons are meteorological and are thus: Winter = Dec., Jan., Feb.; Spring = Mar. Apr., May; Summer = June, July, Aug.; Autumn = Sep., Oct., Nov.

Catoctin Mountain RAWS Station



Images from Google Earth