



2024 Weather in Review: Gettysburg National Military Park and Eisenhower National Historic Site

NPS

In all, 2024 was a record-setting year for annual average temperature; the year ended as the warmest ever recorded in Adams County, PA (since 1895). In terms of total precipitation, it was a near-normal year, though seasonal precipitation varied dramatically.

Data indicate that over the long term, annual average temperature and annual total precipitation have both in-

creased in the county (+0.2°F per decade and +0.24 inches per decade, respectively).

This brief provides county-scale weather data for Adams County, PA, including data from 1895–2024 (i.e., period of record). Data and analyses herein are courtesy of the National Oceanic and Atmospheric Administration's (NOAA) Climate at a Glance Program.

Temperature

In total, 2024 was the warmest year ever recorded at the park, and all seasons were well above normal (Figure 1). Every month had a higher than normal average temperature with February and March being particularly warm (Table 1).

Table 1. Average monthly, average annual, and departures from long-term average temperatures. Departures from average are based on a comparison of 2024 average temperatures to relevant averages from 1895–2023. Data are available at <https://www.ncdc.noaa.gov/cag/county/time-series>.

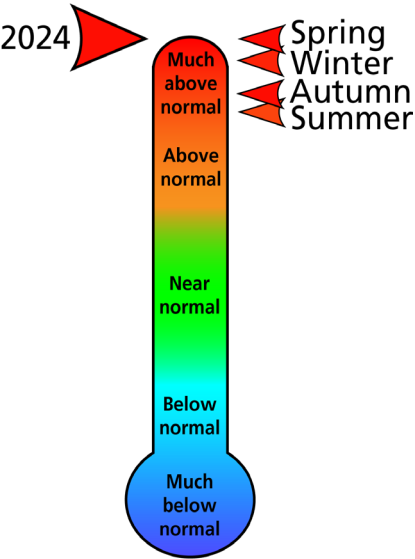


Figure 1. Seasonal and annual temperature rankings. An arrow at the top of the figure would represent the warmest year/season on record (since 1895); at the bottom, the coldest year/season on record. Winter = Jan–Mar, Spring = Apr–June, Summer = July–Sept, Autumn = Oct–Dec. Data are available at <https://www.ncdc.noaa.gov/cag/county/rankings>.

Month/ Year	Average temperature (°F)	Departure from average (°F)
January	33.0	+4.1
February	37.9	+7.4
March	45.5	+5.8
April	54.2	+3.9
May	64.7	+4.0
June	73.2	+4.1
July	78.1	+4.4
August	72.7	+1.1
September	65.7	+0.9
October	55.8	+2.2
November	47.0	+4.7
December	34.0	+1.6
2024	55.1	+3.6

Precipitation

Total precipitation in 2024 was near normal (i.e., 61st driest year recorded; Figure 2), but winter was wet and Autumn was very dry. Across the entire year the county received 41.9 inches of precipitation (Table 2).

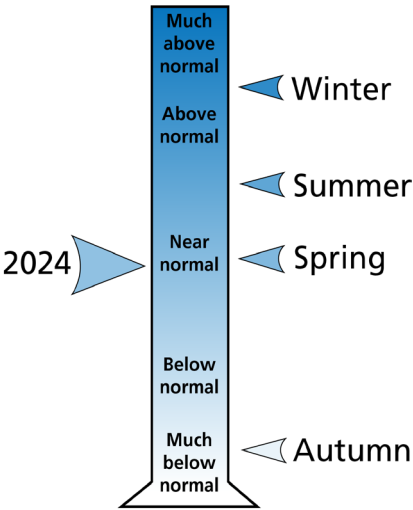


Figure 2. Seasonal and annual precipitation rankings. An arrow at the top of the figure would represent the wettest year/season on record (since 1895); at the bottom, the driest year/season on record. Winter = Jan–Mar, Spring = Apr–June, Summer = July–Sept, Autumn = Oct–Dec. Data are available at <https://www.ncdc.noaa.gov/cag/county/rankings>.

Table 2. Monthly and annual total precipitation and departure from long-term averages. Departures from average are based on a comparison of 2024 precipitation to relevant averages from 1895–2023. Data are available at <https://www.ncdc.noaa.gov/cag/county/time-series>.

Month/Year	Total precipitation (in.)	Departure from average (in.)
January	5.65	+2.58
February	2.33	–0.47
March	3.96	+0.36
April	4.63	+1.08
May	3.83	–0.18
June	2.71	–1.28
July	2.2	–1.77
August	6.96	+3.03
September	3.8	–0.06
October	0.69	–2.73
November	2.06	–1.02
December	3.06	–0.20
2024	41.88	–0.67

Temperature and Precipitation (1895–2024)

Data for Adams County, PA indicate that annual average temperature has increased approximately +0.2°F per decade and annual total precipitation has increased approximately +0.24 inches per decade since 1895 (Figure 3).

National Park Service scientists have forecast future changes in climate too. Models estimate that by 2100, annual average temperature at the park will increase by 3.1–9.2°F (from a best-case to worst-case scenario, respectively). Annual total precipitation is expected to increase by 7–14% (see [Gonzalez et al., 2018](#) for details).

Data in this brief are preliminary and were retrieved from NOAA on 01/07/25.

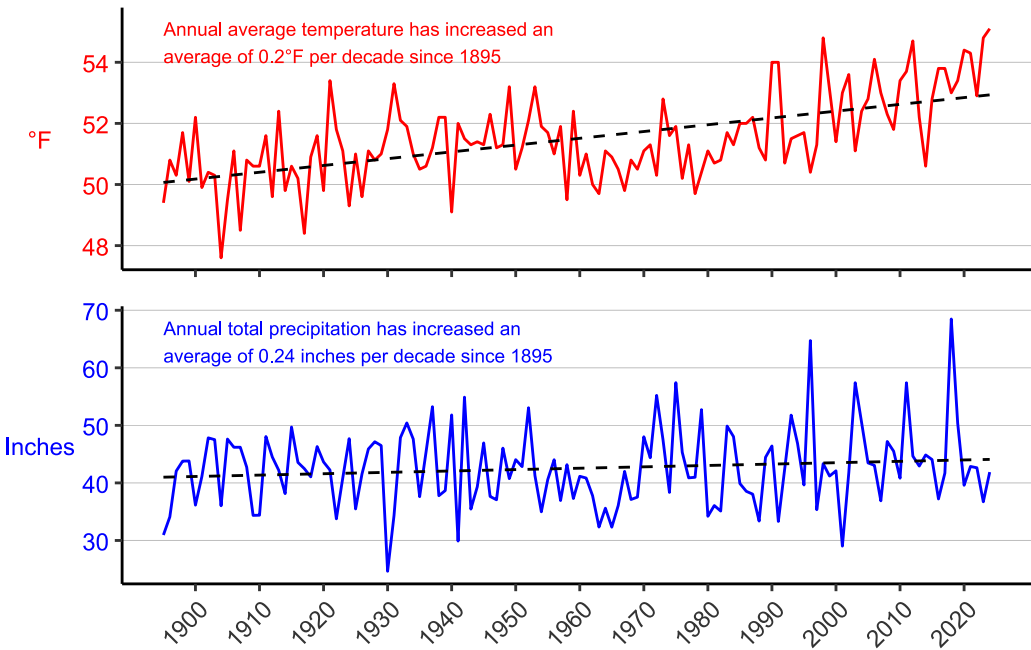


Figure 3. Annual average temperature (°F) and annual total precipitation (in.) from 1895–2024 for Adams County, PA. Dashed lines represent linear estimates of change. Data are available at <https://www.ncdc.noaa.gov/cag/county/time-series>.