



NPS / N. Lewis

2019 Weather in Review: Gettysburg National Military Park and Eisenhower National Historic Site

In all, 2019 was very warm and wet with temperatures and precipitation both well above normal. Several months had average temperatures more than 3 °F higher than long-term averages. There was also almost 8 inches more precipitation than in a typical year. The year ended as the 10th warmest and 15th wettest since 1895.

Weather data collected from surrounding areas from

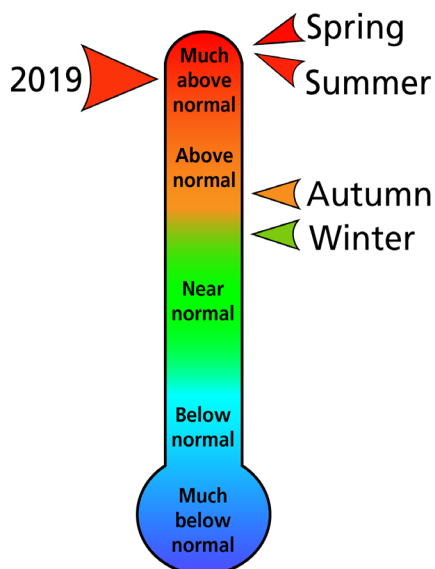
1895–2019 shows increasing trends in annual average temperature (+0.20 °F per decade) and annual total precipitation (+0.31 inches per decade).

Information in this brief represents county-scale weather data for Adams County, PA. Individual weather station data may vary from what is reported here.

Temperature

In total, 2019 was the 10th warmest year at the parks since 1895 — the spring and summer were particularly warmer than usual (Figure 1). Ten months had higher than normal temperatures, with April and September both being more than 4 °F above normal (Table 1).

Table 1. Average monthly, average annual, and departures from long-term average temperatures. Departures from average are based on a comparison of 2019 average temperatures to relevant averages from 1895–2018. Data are available at <https://www.ncdc.noaa.gov/cag/county/time-series>.



Month/ Year	Average temperature (°F)	Departure from average (°F)
January	29.7	+1.0
February	32.9	+2.6
March	38.5	-1.1
April	54.8	+4.6
May	64.4	+3.7
June	69.7	+0.7
July	76.7	+3.1
August	73.5	+2.0
September	69.3	+4.5
October	57.0	+3.5
November	39.7	-2.6
December	34.7	+2.5
2019	53.4	+2.0

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. Data are available at <https://www.ncdc.noaa.gov/cag/county/rankings>.

Precipitation

In total, 2019 was the 15th wettest year at the parks since 1895 (Figure 2). By the end of the year, 50.3 inches of precipitation had fallen, which is 7.7 inches more than the long-term average (Table 2).

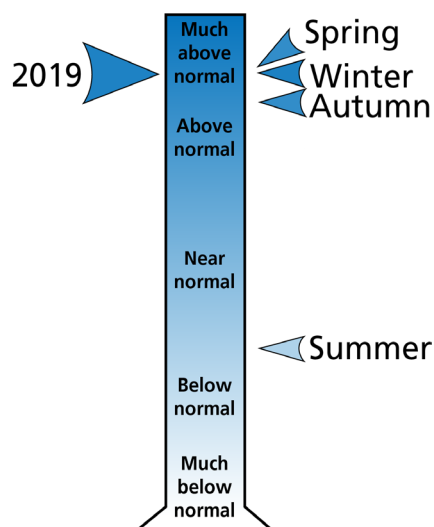


Figure 2. Seasonal and annual precipitation rankings. An arrow at the top of the figure would represent the wettest year/season on record (since 1895); at the bottom, the driest year/season on record. Data are available at <https://www.ncdc.noaa.gov/cag/county/rankings>.

Table 2. Monthly and annual total precipitation and departure from long-term averages. Departures from average are based on a comparison of 2019 precipitation to relevant averages from 1895–2018. Data are available at <https://www.ncdc.noaa.gov/cag/county/time-series>.

Month/Year	Total precipitation (in.)	Departure from average (in.)
January	4.3	+1.2
February	3.0	+0.2
March	5.0	+1.4
April	4.2	+0.7
May	6.9	+2.9
June	4.5	+0.4
July	6.4	+2.5
August	2.6	-1.4
September	0.9	-3.0
October	6.3	+2.9
November	2.4	+0.7
December	3.8	+0.6
2019	50.3	+7.7

Temperature and Precipitation Trends (1895–2019)

Data from 1895–2019 for Adams County, PA shows increasing trends in annual average temperature (+0.20 °F per decade) and annual total precipitation (+0.31 inches per decade; Figure 3).

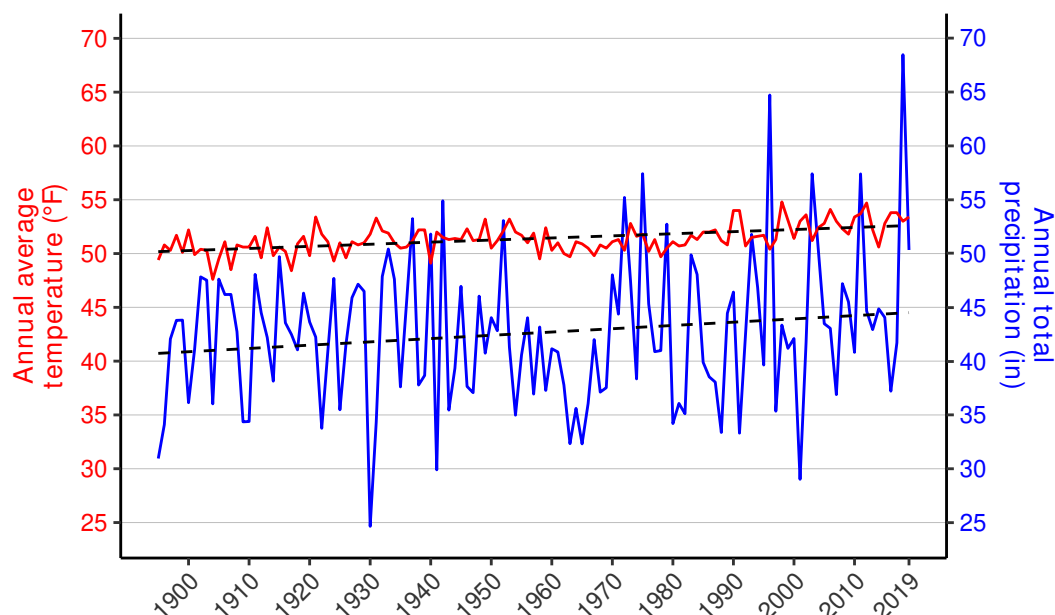


Figure 3. Annual average temperature (°F) and annual total precipitation (in.) for Adams County, PA, from 1895–2019. Dashed lines show linear trends. Data are available at <https://www.ncdc.noaa.gov/cag/county/time-series>.

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Parks monitored: Appomattox Court House NHP • Booker T. Washington NM • Eisenhower NHS • Fredericksburg & Spotsylvania NMP • Gettysburg NMP • Hopewell Furnace NHS • Petersburg NB • Richmond NBP • Shenandoah NP • Valley Forge NHP