STATE OF MARYLAND
HIGHEST AVERAGE MONTHLY & ANNUAL TEMPERATURE EXTREMES
Period of Record: 1891-Present
Temperatures in Degrees Fahrenheit

Month	Highest Average Maximum Temperature	Year	Location	County	Highest Average Minimum Temperature	Year	Location	County	Highest Average Mean Temperature	Year	Location	County	Month
January	59.6°	1950	Leonardtown	St. Mary's	40.4°	1932	Baltimore (Custom House)	Baltimore City	49.7°	1950	Leonardtown	St. Mary's	January
February	60.0°	1976	La Plata	Charles	38.6°	2023; 1953	Assateague Island (RAWS); Ocean City	Worcester; Worcester	48.3°	1976	Patuxent River (Naval Air Station)	St. Mary's	February
March	70.6°	1945	La Plata	Charles	52.0°	1946	Crisfield	Somerset	58.7°	1946	Crisfield	Somerset	March
April	75.7°	1994	Glenn Dale (Bell Stn)	Prince George's	55.6°	1945	Crisfield	Somerset	64.0°	1945	Crisfield	Somerset	April
May	85.6°	1911	Keedysville	Washington	64.8°	2018	Patuxent River (Naval Air Station)	St. Mary's	73.2°	2012	Baltimore (MD Science Center)	Baltimore City	May
June	92.3°	1925	Frederick	Frederick	72.0°	1943	Crisfield	Somerset	80.6°	1943	Crisfield	Somerset	June
July	96.3°	2011	Baltimore (MD Science Center)	Baltimore City	78.0°	2011	Baltimore (MD Science Center)	Baltimore City	87.1°	2011	Baltimore (MD Science Center)	Baltimore City	July
August	93.7°	2006	Cumberland (2)	Allegany	74.5°	2021; 2012	St. Inigoes (Webster Field); Baltimore (MD Science Center)	St. Mary's; Baltimore City	82.7°	1900	Solomons	Calvert	August
September	89.7°	2005; 1930; 1930	Cumberland (2); Glenn Dale (Bell); La Plata	Allegany; Prince George's; Charles	71.7°	2018	Annapolis (U.S. Naval Academy)	Anne Arundel	78.3°	2018	Snow Hill (4 N)	Worcester	September
October	78.1°	1941	La Plata	Charles	61.4°	1971	Patuxent River (Naval Air Station)	St. Mary's	69.1°	2021	St. Inigoes (Webster Field)	St. Mary's	October
November	68.4°	1985	Assateague Island (National Seashore)	Worcester	49.2°	1985	Vienna	Dorchester	58.3°	1985	Assateague Island (National Seashore)	Worcester	November
December	63.6°	2015	Snow Hill (4 N)	Worcester	44.7°	2015	Solomons	Calvert	53.3°	2015	Snow Hill (4 N)	Worcester	December
Annual	73.1°	2023	Snow Hill (4 N)	Worcester	55.2°	2024	Baltimore (MD Science Center)	Baltimore City	63.2°	2012	Baltimore (MD Science Center)	Baltimore City	Annual

STATE OF MARYLAND
LOWEST AVERAGE MONTHLY & ANNUAL TEMPERATURE EXTREMES
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Temperatures in Degrees Fahrenheit

Month	Lowest Average Maximum Temperature	Year	Location	County	Lowest Average Minimum Temperature	Year	Location	County	Lowest Average Mean Temperature	Year	Location	County	Month
January	18.7°	1977	McHenry (2 NW)	Garrett	3.0°	1977	McHenry (2 NW)	Garrett	10.8°	1977	McHenry (2 NW)	Garrett	January
February	24.1°	1978	McHenry (2 NW)	Garrett	1.8°	1934	Sines (Deep Creek)	Garrett	15.0°	1895	Sunnyside	Garrett	February
March	31.2°	1960	Bittinger (2 NW)	Garrett	10.9°	1960	Sines Deep Creek	Garrett	21.8°	1960	Sines Deep Creek	Garrett	March
April	47.2°	1961	Bittinger (2 NW)	Garrett	25.4°	1943	Sines (Deep Creek)	Garrett	38.5°	1943	Mt. Savage Summit	Garrett	April
May	60.5°	1967; 1917	Bittinger (2 NW); Grantsville	Garrett; Garrett	37.6°	1910	Deer Park	Garrett	49.6°	1967	Bittinger (2 NW)	Garrett	May
June	67.7°	1972	McHenry (2 NW)	Garrett	45.9°	1915	Grantsville	Garrett	58.5°	1907	Oakland	Garrett	June
July	73.0°	1971	Bittinger (2 NW)	Garrett	48.5°	1895	Deer Park	Garrett	63.1°	1950	New Germany	Garrett	July
August	70.1°	1940	Mt. Savage Summit	Garrett	47.5°	1963	Sines Deep Creek (2)	Garrett	61.5°	1963; 1927	Sines Deep Creek (2); Grantsville	Garrett; Garrett	August
September	63.2°	1975	Bittinger (2 NW)	Garrett	39.0°	1943	Sines Deep Creek	Garrett	54.6°	1949	Sines Deep Creek	Garrett	September
October	50.2°	1925	Grantsville	Garrett	25.3°	1895	Deer Park	Garrett	41.2°	1895	Deer Park	Garrett	October
November	38.5°	1976	McHenry (2 NW)	Garrett	19.3°	1903	Oakland	Garrett	30.3°	1903	Deer Park	Garrett	November
December	25.0°	1989	Frostburg (2)	Allegany	7.9°	1989	Oakland (1 SE)	Garrett	17.6°	1989	McHenry (2 NW)	Garrett	December
Annual	56.6°	1958	Oakland (1 SE)	Garrett	31.3°	1895	Deer Park	Garrett	44.9°	1895	Deer Park	Garrett	Annual

Data through 8/31/2025, Updated 9/12/2025

DATA SOURCE: 1) National Centers for Environmental Information (NCEI), Climatological Data, Maryland/Delaware: https://www.ncdc.noaa.gov/IPS/cd/cd.html

2) Applied Climate Information System (ACIS): https://scacis.rcc-acis.org/

3) National Centers for Environmental Information (NCEI)/National Weather Service (NWS), Cooperative Observer Network: https://www.ncdc.noaa.gov/IPS/coop/coop.html

NOTES:

1) When researching these temperatures from hundreds of various individual official sources, often times the extremes were from stations that had missing data for those months, as might be expected. When more than 5 days of data was missing, those stations were mostly not considered for the monthly extremes; when 5 or fewer days were missing, the data for surrounding stations was reviewed, which would usually negate that station's extreme, especially if those dates are from outside of the that categorical season. Data was pulled, reviewed, and sometimes revised between various official sources, which sometimes disagree. As far could be determined, the data in these tables can be considered the extremes.

2) Data for Baltimore City was not used at the Custom House location following the official move to what is now Baltimore-Washington International Airport, as it was sited on the roof with dark stone below and not within National Weather Service standards. The newer downtown Baltimore location at the Maryland Science Center/Inner Harbor had its ASOS equipment at proper ground level above grass and began operating on April 29, 1998. However, the ASOS weather sensor at the Science Center was taken out of service on June 3, 2020 due to construction of the park where it is stationed. The station was re-established and, on August 15, 2022, data began being reported again after more than 26 months but now with sporadic missing days; more-consistent data began being reported in December 2022. Unfortunately, this new location is nearly surrounded by concrete and stone/bricks and appears to be adversely affected, having much higher readings than surrounding stations, especially during summer months. Because of this new location issue, it's decided to no longer include this station on these tables.

3) The Highest November Average Minimum Temperature for a station without missing data affecting the monthly average is the 49.2° reported at Vienna in 1985. During that same month, Crisfield (Somers Cove) reported a Monthly Average Minimum of 51.4° but had 5 days of missing data. When surrounding stations with similar observation times were examined, it was found that, when averaging those stations' data and substituting that data for the missing days at Crisfield, it brought the Average Monthly Minimum down to 50.8°. If Crisfield's actual data could be used, it likely would supersede the Vienna Average Minimum of 49.2° but Crisfield's Monthly Average cannot accurately be determined so is not included in the table. If these substitutions were added to include the Monthly Average Mean Temperature, it likely would have dropped below that current extreme of 58.3° as Assateague Island National Seashore.

4) The Highest Average Annual Maximum Temperature without any missing days is the 71.2° at the Maryland Science Center in downtown Baltimore. At Snow Hill 4 N in 2023, an Average Annual Maximum of 73.1° was reported but with 8 days of missing data and in 2024, 72.2° was reported but with 4 missing days of data. When researching these missing days for both 2023 and 2024, when substituting likely data for those missing days, neither the 73.1° average in 2023 nor the 72.2° in 2024 changed.

5) The Highest Average Annual Minimum Temperature outside of Baltimore City is the 54.0° at St. Inigoes Webster Outlying Field in 2020 (missing 3 days in November but doesn't affect Annual Mean) and 53.9° at Annapolis - U.S. Naval Academy in 2012.

6) The Highest Average Annual Mean Temperature outside of Baltimore City is the 61.2° at Annapolis - Naval Academy in 2012 but is missing the Mean Temperature on June 3, 2012. This missing Mean Temp. date did report a Min. Temp. of 61° but had a missing Max. Temp. This means that the Annual Mean 61.2° would not be affected by this one missing Mean Temp.

7) Specific notes will soon be added of each month for all completed research that eliminated, added, or revised the extreme data included in these tables.