MARYLAND MONTHLY PRECIPITATION EXTREMES

Period of Record: 1891-Present

HIGHEST MONTHLY TOTALS					LOWEST MONTHLY TOTALS				
MONTH	PRECIP.	YEAR	LOCATION	COUNTY	MONTH	PRECIP.	YEAR	LOCATION	COUNTY
January	10.48	1937	La Plata	Charles	January	0.18	1955	Beltsville; Takoma Park	Prince George's; Montgomery
February	9.61	1984	Catoctin Mtn Park	Frederick	February	[b]0.06	1968	Hancock (Fruit Lab)	Washington
March	12.42	1994	Patuxent River (NAS)	St. Mary's	March	0.02	2006	Beltsville	Prince George's
April	12.99	1937	Clear Spring	Washington	April	0.01	1963	Crisfield (Hammock Pt)	Somerset
May	[d]15.32	1908	Bachmans Valley	Carroll	May	Trace	1911	Chestertown	Kent
June	19.81	1972	Westminster (Police Barracks)	Carroll	June	0.05	1949	Ocean City	Worcester
July	20.35	1945	Leonardtown	St. Mary's	July	Trace	1983	Aberdeen	Harford
August	19.99	1971	Towson	Baltimore	August	0.04	1962	Beltsville (Plant Station 5)	Prince George's
September	20.39	2016	Snow Hill (4 N)	Worcester	September	Trace	1941	Georgetown; Millington; Ridgely	Cecil; Kent; Caroline
October	14.63	1976	Frederick (3 E)	Frederick	October	0.00	2001; 2000; 1963; 1892	[c] Multiple Locations	[c] Multiple Counties
November	13.13	1956	Royal Oak	Talbot	November	0.00	2001	Assateague	Worcester
December	11.18	1901	Bachmans Valley	Carroll	December	Trace	1955	Frederick (3 E)	Frederick
Annual	**[a]84.56**	**2018**	**Catonsville (1.2 NW)**	**Baltimore**	**Annual**	**17.76**	**1930**	**Picardy**	**Allegany**

Data through 7/31/2025; Updated 8/9/2025

DATA SOURCE: NOAA, NCEI - Climatological Data - Maryland;Delaware Annual Summaries and some monthly publications - 1891-2024:
https://www.ncdc.noaa.gov/data-access/quick-links#cdp
NOAA, NCEI - Cooperative Observers Network (COOP) original forms:
https://www.ncdc.noaa.gov/IPS/coop/coop.html
Applied Climate Information System (ACIS) - 1891-1895:
https://scacis.rcc-acis.org/

NOTES: [a] On June 12, 2019, the State Climate Extremes Committee (SCEC) released its report validating a new Maryland state annual precipitation record of 84.56", occurring in the year 2018 and reported at "Catonsville 1.2 NW," a Community Collaborative Rain, Hail, and Snow (CoCoRaHS) station located in Baltimore County, just west of Baltimore City. This is the first instance of the SCEC recognizing a CoCoRaHS station with a state record. The greatest total observed at an official National Weather Service (NWS) Cooperative Observer Network station was the 80.78" that fell on "Mechanicsville 5 NE," located in southern Maryland in northern St. Mary's County. These values supersede the previously accepted record of 76.52" that was set at Towson in 1971. The year 2018 was extremely wet over most of Maryland as 3 NWS and 14 CoCoRaHS stations superseded the previous state record:
https://marylandclimateandweather.weathertogether.net/2018/12/13/maryland-state-annual-precipitation-record/

[b] Dalecarlia Reservoir recorded 0.00" in February 2002 but is located in northwest-most District of Columbia (right next to the Maryland State boundary) so is not included in the table above.

[c] The October locations recording 0.00": **10/2000**: Assateague (Worcester), Princess Anne (Somerset); **10/1963**: Beltsville (Prince George's), Boyds (Montgomery), Brighton Dam (Montgomery), Centreville (Queen Anne's), Glenn Dale (Prince George's), Laurel (Prince George's), Leonardtown (St. Mary's), Potomac Filter Plant (Montgomery), Rockville (Montgomery), Upper Marlboro (Prince George's); **10/1892**: Taneytown (Carroll).

[d] In May 2025, the CoCoRaHS station at Lonaconing 2.3 ESE (MD-AL-17) reported 16.11" but has not been verified as official. The highest official May 2025 total was 13.88" at the Frostburg 2 COOP station.

There is available historical data prior to the official National Centers for Environamental Information datasets, some of which includes stations that have been in the National Weather Service Cooperative Observer Network. This data was taken at various locations for which the instrumentation quality and siting cannot be verified as meeting current official standards. The data, below, is only provided to a tenth of an inch (vs. the current standard to a hundredth of an inch) and is included for comparison to the official data found in the table above.

MARYLAND & DISTRICT OF COLUMBIA MONTHLY PRECIPITATION HISTORICAL EXTREMES

Period of Record: 1820-1898

HIGHEST MONTHLY TOTALS					LOWEST MONTHLY TOTALS				
MONTH	PRECIP.	YEAR	LOCATION	COUNTY	MONTH	PRECIP.	YEAR	LOCATION	COUNTY
January	11.2	1883	Woodstock	Baltimore	January	0.2	1872	Washington	District of Columbia
February	8.8	1872	St. Inigoes	St. Mary's	February	0.1	1864	Ft. McHenry	Baltimore City
March	12.8	1872	St. Inigoes	St. Mary's	March	0.5	1872	Cumberland	Allegany
April	13.0	1874	St. Inigoes	St. Mary's	April	0.4	1847	Ft. McHenry	Baltimore City
May	12.3	1898	Bachman's Valley	Carroll	May	0.2	1866	Ft. McHenry	Baltimore City
June	10.8	1870	Frederick	Frederick	June	0.1	1888	Mt. St. Mary's	Frederick
July	19.9	1897	Jewell	Anne Arundel	July	0.3	1869	Ft. McHenry	Baltimore City
August	15.9	1873	Mt. Airy	Washington	August	0.3	1821	Baltimore	Baltimore City
September	13.0	1876	Fallston	Harford	September	Trace	1884	Ft. McHenry	Baltimore City
October	11.0	1872	St. Inigoes	St. Mary's	October	0.0	1892;1874	Taneytown; Mt. Airy	Carroll; Washington
November	11.0	1881	Mt. St. Mary's (Emmitsburg)	Frederick	November	0.1	1882	Ft. McHenry	Baltimore City
December	7.5	1867	Mt. St. Mary's (Emmitsburg)	Frederick	December	Trace	1889	Jewell	Anne Arundel
Annual	**88.5**	**1872**	**St. Inigoes**	**St. Mary's**	**Annual**	**20.0**	**1870**	**Cumberland**	**Allegany**

DATA SOURCE: Maryland Weather Service, Vol. I. Baltimore, The Johns Hopkins Press, 1899, page 519.

NOTE: Trace amount is <0.01".