

STATE OF MARYLAND PRECIPITATION EXTREMES

Highest Daily/24-Hour Amounts, by Month

Period of Record: 1891-Present

MONTH	AMOUNT	DATE	LOCATION	COUNTY
January	4.75	1/28/1998	Snow Hill (4 N)	Worcester
February	5.27	2/14/1984	Catoctin Mountain Park	Frederick
March	5.50	5/20/1958	Conowingo (MD State Police Barracks)	Harford
April	7.72	4/29/2024	St. Inigoes (Webster Naval Outlying Field)	St. Mary's
May	9.47	5/28/2018	Catonsville (1.2 NW)	Baltimore
June	12.25	6/22/1972	Prettyboy Dam	Baltimore
July	14.75	7/26-27/1897	Jewell	Anne Arundel
August	11.66	8/11-12/1928	Cheltenham (1 NW)	Prince George's
September	14.31	9/1/2002	Snow Hill (4 N)	Worcester
October	6.56	10/11/2018	Salisbury (Salisbury-Ocean City Wicomico County Regional Airport)	Wicomico
November	8.90	11/2/1956	Royal Oak (2 SSW)	Talbot
December	6.54	12/18/2023	Parsonsburg	Wicomico

Data through 5/31/2026, Updated 6/5/2026

SOURCE: 1) National Centers for Environmental Information (NCEI) - Climatological Data (Monthly and Annual editions), 1891-2025:

<https://www.ncdc.noaa.gov/IPS/cd/cd.html>

2) State Climate Extremes Committee report, "Maryland Annual Precipitation," June 13, 2019:

<https://www.ncdc.noaa.gov/extremes/scec/reports>

3) Applied Climate Information System (ACIS):

<https://scacis.rcc-acis.org/>

4) National Centers for Environmental Information (NCEI) - Local Climatological Data - April 2014

<https://www.ncdc.noaa.gov/cdo-web/>

NOTES: 24-hour amounts, where available, that cross dates are shown with those multiple dates.

April: St. Inigoes (Webster Field) reported 7.72" on 4/29/2014 but this amount is far higher than for any surrounding stations. Since thunderstorms were reported in the Local Climatological Data for St. Inigoes, obtained via NCEI's website, and knowing that thunderstorms can drop isolated pockets of very heavy rain and be quite variable from place-to-place (other parts of Maryland and Virginia also had significant rain), it is decided to accept the 7.72" as Maryland's April Extreme Maximum Daily rainfall. The location with the second-highest Daily amount is Clear Spring (1 ENE) with 5.84" on 4/26/1937.

May: As Catonsville 1.2 NW (CoCoRaHS network) was accepted by the State Climate Extremes Committee (SCEC) as the all-time state annual precipitation record in 2018, the May value of 9.47" becomes the monthly record.

June: The June 1972 Climatological Data publication (by NCEI) shows Prettyboy Dam as an official but an unpublished station (Table 1, p. 65). The highest published station for June is the 11.47" reported at Woodstock on 6/22/1972.

July: The greatest July Calendar-Day (non-24-hour) amount is the 12.44" on 7/23/1969 at Leonardtown 3 NW.