

# MARYLAND PRECIPITATION EXTREMES

(Amounts in Inches)

## TOP-20 MAXIMUM DAILY & MONTHLY TOTALS

Rank	*Maximum 24-Hr/Calendar-Day Precipitation	Date(s)	Location	County	Maximum Monthly Precipitation	Date(s)	Location	County
1	14.75	7/26-27/1897	Jewell	Anne Arundel	20.39	9/2016	Snow Hill (4 N)	Worcester
2	14.31	9/1/2002	Snow Hill (4 N)	Worcester	20.35	7/1945	Leonardtown	St. Mary's
3	12.44	7/23/1969	Leonardtown (3 NW)	St. Mary's	19.99	8/1971	Towson	Baltimore
4	12.25	6/22/1972	Prettyboy Dam	Baltimore	19.95	7/1945	Blackwater Refuge	Dorchester
5	11.85	7/23/1969	Solomons	Calvert	19.90	7/1897	Jewell	Anne Arundel
6	11.76	9/30/2010	Patuxent River (NAS)	St. Mary's	19.81	6/1972	Westminster (MSP)	Carroll
7	11.66	8/11-12/1928	Cheltenham (1 NW)	Prince George's	19.55	8/2020	Mechanicsville (5 NE)	St. Mary's
8	11.55	6/22/1972	Westminster (MSP)	Carroll	19.08	8/1967	Denton (2 E)	Caroline
9	11.47	6/22/1972	Woodstock	Baltimore	18.79	6/1972	Westminster (2 SSE)	Carroll
10	11.39	9/30/2010	St. Inigoes (Webster Naval Field)	St. Mary's	18.68	8/1928	Cheltenham (1 NW)	Prince George's
11	11.06	9/16/1999	Chestertown	Kent	18.36	6/1972	Prettyboy Dam	Baltimore
12	10.77	9/16/1999	Millington (1 SE)	Kent	18.35	8/1955	Baltimore (BWI AP)	Anne Arundel
13	10.30	9/6/1935	Cambridge (Water Treatment Plant)	Dorchester	18.15	6/1972	Woodstock	Baltimore
14	10.11	6/22/1972	Aberdeen (Phillips Field)	Harford	18.09	9/1999	Chestertown	Kent
15	10.00	6/22/1972	Wheaton Regional Park	Montgomery	17.80	8/1967	Benson (MSP)	Harford
16	9.80	8/27/1971	La Plata (1 W)	Charles	17.79	7/1969	Solomons	Calvert
17	9.50	6/22/1972	Westminster (2 SSE)	Carroll	17.70	8/1955	Prince Frederick (1 N)	Calvert
18	9.47	5/28/2018	Catonsville (1.2 NW)	Baltimore	17.69	8/1955	Baltimore (Custom House)	Baltimore City
19	9.38	8/13/1955	Beltsville	Prince George's	17.57	9/1935	Easton	Talbot
20	9.36	6/22/1972	Brighton Dam	Montgomery	17.54	9/1999	Conowingo Dam	Harford

## TOP-20 MAXIMUM & MINIMUM ANNUAL TOTALS

Rank	Maximum Annual Precipitation	Year	Location	County	Minimum Annual Precipitation	Year	Location	County
1	84.56	2018	Catonsville (1.2 NW)	Baltimore	17.76	1930	Picardy	Allegany
2	80.86	2020	Mechanicsville (5 NE)	St. Mary's	17.98	1930	Glenn Dale (Bell)	Prince George's
3	80.78	2018	Mechanicsville (5 NE)	St. Mary's	18.11	1930	Cumberland	Allegany
4	79.35	2018	Millers (4 NE)	Carroll	18.36	1930	Hancock (Tonoloway)	Washington
5	78.12	1903	Bachman's Valley	Carroll	18.83	1930	Takoma Park (#1)	Montgomery
6	77.16	2018	Emmitsburg (2 SE)	Frederick	19.40	1930	Laurel (3 W)	Prince George's
7	76.65	1996	Hagerstown (1 E)	Washington	19.84	1930	Frederick	Frederick
8	76.52	1971	Towson	Baltimore	19.86	1930	Great Falls	Montgomery
9	M75.13	2003	Catoctin Mountain Park	Frederick	19.90	1930	College Park	Prince George's
10	74.63	2018	Sines Deep Creek	Garrett	20.07	1930	Woodstock	Baltimore
11	74.58	2018	Frostburg (2)	Allegany	20.32	1930	Ridgely	Caroline
12	M74.35	1996	Catoctin Mountain Park	Frederick	20.71	1930	Solomons	Calvert
13	72.59	1948	Salisbury (City)	Wicomico	E20.79	1955	Ocean City	Worcester
14	71.82	2018	Baltimore (Baltimore-Washington AP)	Anne Arundel	21.00	1930	Rock Hall	Kent
15	M70.87	1901	Bachman's Valley	Carroll	21.16	1930	Annapolis (US Naval Academy)	Anne Arundel
16	70.64	1989	Towson	Baltimore	21.47	1930	Westport	Allegany
17	70.40	2018	Oakland (1 SE)	Garrett	21.55	1930	Baltimore (Custom House)	Baltimore City
18	70.25	2018	Conowingo Dam	Harford	21.67	1930	Salisbury (City)	Wicomico
19	69.95	1996	Damascus (3 SSW)	Montgomery	21.85	1943	Luke	Allegany
20	69.63	1979	Salisbury (AP)	Wicomico	22.01	1930	Frostburg	Allegany

Data through 11/30/2025, Updated 12/14/2025

### SOURCE:

- 1) National Centers for Environmental Information (NCEI) - Maryland & Delaware Climatological Data:
- 2) Applied Climate Information System (ACIS):
- 3) Remote Automated Weather Stations (RAWS) - National Interagency Fire Center, Boise, ID:

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

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

[https://wrcc.dri.edu/wraws/de\\_mdF.html](https://wrcc.dri.edu/wraws/de_mdF.html)

### NOTES:

1) The above data represents only official stations under NOAA's National Weather Service, including the Automated Surface Observing Systems (ASOS - NWS/FAA) and Cooperative Observer Program (COOP). In addition to these stations, the following Remote Automated Weather Stations (RAWS), operated by the National Interagency Fire Center, Boise, ID., would also be listed, if official:

- 1) Maximum Daily Total: 11.17" at Assateague Island on 9/29/2016.
- 2) Maximum Annual Total: 73.12" at Catoctin Mountain in 2018.

2) In 2019, the State Climate Extremes Committee (SCEC) approved a new Maryland State annual precipitation record, occurring in 2018 at a Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS) station, Catonsville 1.2 NW (this also allows verification of Catonsville's daily amount of 9.47" on 5/28/2018). Other 2018 CoCoRaHS station totals would also make the Max Annual Precipitation list but it is currently unknown if those stations have been verified as official with equipment siting and accuracy of observations. The link to the SCEC Record Report for 2018:

[Maryland Annual Precipitation Record 2018](#)

3) A station named "St. Inigoes," as part of the old Smithsonian Institution voluntary observer network, recorded an annual precipitation value of 88.5" in 1872. This station was operational between Sept. 1871 and Feb. 1879 but the gauge used for observations and its siting are unknown. As a result, the St. Inigoes observation cannot be validated as the greatest annual precipitation value.

4) \* 24-Hour amount, where known, shown by multiple dates.

5) Abbreviations:

AP = Airport

E = Partially estimated values (interpolated snowfall water equivalents or amounts using surrounding stations' data).

FAA = Federal Aviation Administration

M = Missing one or more days of data

MSP = Maryland State Police Barracks

NAS = Naval Air Station

6) Number and Letter(s) following a station's name indicate miles and direction from geographic center of the associated city.

7) For Maryland's record-minimum monthly precipitation, many locations in numerous counties have recorded 0.00" or a Trace so no table is provided.