

MARYLAND PRECIPITATION EXTREMES

Statewide Maximum and Minimum Monthly Totals by Year

Period of Record: 1891-Present

(Amounts in Inches)

YEAR	MAXIMUM MONTHLY PRECIPITATION	MONTH	LOCATION	COUNTY	MINIMUM MONTHLY PRECIPITATION	MONTH	LOCATION	COUNTY	YEAR
1891	7.94	Mar	Baltimore (Holiday & Baltimore Streets)	Baltimore City	0.53	Sep	Barron Creek Springs	Wicomico	1891
1892	10.08	June	Cumberland	Allegany	0.00	Oct	Taneytown	Carroll	1892
1893	8.27	Nov	Cherryfields	St. Mary's	0.55	Dec	New Market	Frederick	1893
1894	10.41	May	Fallston	Harford	0.50	Nov	Boettcherville	Allegany	1894
1895	8.52	Apr	Fallston	Harford	0.15	Sep	Cumberland (b)	Allegany	1895
1896	15.27	Jul	Sunnyside	Garrett	Trace	Oct	Westminster (Western MD College)	Carroll	1896
1897	19.90	Jul	Jewell	Anne Arundel	0.50	Sep	Solomons	Calvert	1897
1898	12.29	May	Bachmans Valley	Carroll	0.35	Jun	College Park (MD Agricultural College)	Prince George's	1898
1899	9.43	Sep	McDonogh	Baltimore	Trace	Jun	Receiving Reservoir (Dalecarlia Reservoir)	District of Columbia	1899
1900	8.28	Jun	Laurel	Prince George's	0.39	Oct	Deer Park	Garrett	1900
1901	10.94	Jun	Washington (24th & M Sts)	District of Columbia	0.40	Sep	Deer Park	Garrett	1901
1901	12.05	Aug	Princess Anne	Somerset	0.09	Feb	McDonogh	Baltimore	1901
1902	12.93	Sep	Colora	Cecil	0.73	May	Taneytown	Carroll	1902
1903	13.27	Jun	Bachmans Valley	Carroll	0.32	Dec	Westport	Allegany	1903
1904	9.94	Jun	Great Falls	Montgomery	0.29	Nov	Westport	Allegany	1904
1905	14.70	Jul	Bachmans Valley	Carroll	0.16	Nov	Westport	Allegany	1905
1906	12.22	Aug	Monrovia	Frederick	0.22	Sep	Baltimore (Johns Hopkins Hospital)	Baltimore City	1906
1906	14.36	Aug	Washington (24th & M Sts)	District of Columbia					
1907	10.95	Sep	Solomons	Calvert	1.03	Oct	Green Spring Furnace	Washington	1907
1908	15.32	May	Bachmans Valley	Carroll	0.37	Nov	Takoma Park	Montgomery	1908
1909	7.98	Jun	Deer Park	Garrett	0.20	Jul	Clear Spring	Washington	1909
1910	12.63	Aug	Princess Anne	Somerset	0.08	Mar	Chesville	Washington	1910
1911	15.63	Aug	Fallston	Harford	Trace	May	Chestertown	Kent	1911
1912	13.26	Jul	Emmitsburg	Frederick	0.21	Oct	Rockville	Montgomery	1912
1913	8.21	Apr	Darlington	Harford	0.61	Feb	Cumberland	Allegany	1913
1914	10.60	Jun	Princess Anne	Somerset	0.39	Oct	Solomons	Calvert	1914
1915	12.56	Aug	Darlington	Harford	0.44	Nov	Solomons	Calvert	1915
1916	11.74	Jun	Emmitsburg	Frederick	0.68	Oct	Coleman	Kent	1916
1917	14.76	Jul	Owings (Ferry Landing)	Calvert	0.07	Nov	Sabillasville (State Sanatorium)	Frederick	1917
1918	10.10	Apr	Cheltenham	Prince George's	0.31	Nov	Westport	Allegany	1918
1919	12.99	Aug	Denton	Caroline	1.30	Apr	Westport	Allegany	1919
1920	11.16	Aug	Woodstock	Baltimore	0.17	Oct	Baltimore (Custom House)	Baltimore City	1920
1921	8.80	Jul	Owings (Ferry Landing)	Calvert	0.10	June	Owings (Ferry Landing)	Calvert	1921
1922	11.78	Jul	Cambridge	Dorchester	0.40	Nov	Westport	Allegany	1922
1923	7.89	Jul	Ridgely	Caroline	0.78	Oct	Westport	Allegany	1923
1924	8.68	May	Frostburg	Allegany	Trace	Oct	Towson	Baltimore	1924
1925	9.48	Oct	Pleasant Hill	Baltimore	0.37	Sep	Ridgely	Caroline	1925
1926	10.13	Aug	Oakland	Garrett	0.19	May	Westport	Allegany	1926
1927	10.63	Oct	Chesville	Washington	0.49	Sep	Easton	Talbot	1927
1928	18.68	Aug	Cheltenham	Prince George's	0.19	Oct	Salisbury	Wicomico	1928
1929	9.27	Oct	Keedysville	Washington	0.59	Jul	Frostburg	Allegany	1929
1930	5.95	Jun	Emmitsburg	Frederick	Trace	Oct	Hancock (Tonoloway)	Washington	1930
1930					Trace	Oct	Picardy	Allegany	1930
1931	14.49	Aug	Cambridge	Dorchester	0.34	Nov	Hancock (City)	Washington	1931
1932	12.68	Oct	Sabillasville (State Sanatorium)	Frederick	0.20	Sep	Picardy	Allegany	1932
1933	14.04	Aug	Pocomoke City	Worcester	0.58	Jun	Crisfield	Somerset	1933
1934	17.32	Sep	Mechanicsville	St. Mary's	0.55	Feb	Cumberland	Allegany	1934
1934	17.45	Sep	Washington (24th & M Sts)	District of Columbia					
1935	17.57	Sep	Easton	Talbot	1.01	Aug	Elkton	Cecil	1935
1936	9.84	Aug	Salisbury	Wicomico	0.31	May	Salisbury	Wicomico	1936
1937	12.99	Apr	Clear Spring	Washington	0.51	Dec	Princess Anne	Somerset	1937
1938	12.36	Jul	Princess Anne	Somerset	0.50	Aug	Cambridge (near)	Dorchester	1938
1939	10.96	Jun	Oakland	Garrett	0.12	May	Prettyboy Dam	Baltimore	1939
1940	8.94	May	Emmitsburg	Frederick	0.29	Jun	Crisfield	Somerset	1940
1941	10.09	Jun	Friendsville	Garrett	Trace	Sep	Georgetown	Cecil	1941
1941					Trace	Sep	Millington	Kent	1941
1941					Trace	Sep	Ridgely	Caroline	1941
1942	12.81	Aug	Maryland Line	Baltimore	0.28	Apr	Annapolis	Anne Arundel	1942
1943	8.11	Oct	Maryland Line	Baltimore	0.04	Sep	Luke	Allegany	1943
1944	9.32	Aug	Cheltenham	Prince George's	0.14	May	Crisfield	Somerset	1944
1945	20.35	Jul	Leonardtown	Dorchester	0.39	Oct	Mt. Savage Summit	Garrett	1945
1946	10.73	May	Coleman	Kent	0.39	Nov	Luke	Allegany	1946
1947	12.17	Jun	Cheltenham	Prince George's	0.38	Dec	Hancock (Tonoloway)	Washington	1947
1948	12.81	Aug	Leonardtown	St. Mary's	0.60	Jul	Williamsport	Washington	1948
1949	13.63	Jul	Emmitsburg	Frederick	0.05	Jun	Ocean City	Worcester	1949
1950	14.02	Sep	Waldorf (MSP)	Prince George's	0.62	Oct	Ocean City	Worcester	1950
1951	12.24	Jun	Brighton Dam	Montgomery	0.19	Aug	Randalstown (MSP)	Baltimore	1951
1952	11.00	Aug	Preston (1 S)	Caroline	0.51	Oct	Elkton	Cecil	1952
1953	12.28	Aug	Snow Hill	Worcester	0.40	Oct	Frostburg	Allegany	1953
1954	9.94	Aug	Bittinger (2 NW)	Garrett	0.11	Jun	Conowingo (MSP)	Harford	1954
1955	18.35	Aug	Baltimore AP (Friendship)	Anne Arundel	Trace	Dec	Frederick (3 E)	Frederick	1955
1956	13.13	Nov	Royal Oak	Talbot	0.11	Nov	Picardy	Allegany	1956
1957	9.06	Sep	Randalstown (MSP)	Baltimore	0.28	Jul	Waldorf (MSP)	Charles	1957
1958	12.91	Aug	Denton	Caroline	0.33	Dec	Luke	Allegany	1958
1959	13.31	Jul	Snow Hill	Worcester	0.12	Sep	Stevensville (1 W)	Queen Annes	1959
1960	12.08	Sep	Millington	Kent	0.50	Oct	Hancock (Fruit Lab)	Washington	1960
1961	9.50	Aug	Towson	Baltimore	0.30	Sep	Easton (AP)	Talbot	1961
1962	7.75	Nov	Prince Frederick	Calvert	0.04	Aug	Beltsville (Plant Station 5)	Prince George's	1962
1963	9.36	Mar	Oakland (1 SE)	Garrett	0.00	Oct	10 MD Stations, 3 DC Stations	Numerous	1963
1964	9.28	Apr	Frostburg	Allegany	0.13	May	Boyd's (2 NW)	Montgomery	1964
1965	10.66	Aug	Salisbury (AP)	Wicomico	0.16	Nov	Brookdale	Montgomery	1965
1966	12.67	Sep	Emmitsburg (2 SE)	Frederick	0.07	Jun	Emmitsburg (2 SE)	Frederick	1966
1966					0.07	Jul	Annapolis (USN Academy)	Anne Arundel	1966
1967	19.08	Aug	Denton (1 WNW)	Caroline	0.07	Sep	Baltimore (Custom House)	Baltimore City	1967
1968	9.59	May	Sines (Deep Creek)	Garrett	0.06	Feb	Hancock (Fruit Lab)	Washington	1968
1969	17.79	Jul	Solomons	Calvert	0.49	Oct	Woodstock	Baltimore	1969
1970	10.06	Jun	Hagerstown	Washington	0.37	Sep	Baltimore (Custom House)	Baltimore City	1970
1971	19.99	Aug	Towson	Baltimore	0.48	Dec	Cumberland (MSP)	Allegany	1971
1972	19.41	Jun	Westminster (MSP)	Carroll	0.55	Nov	Edgemont	Washington	1972
1973	13.84	Aug	Vienna	Dorchester	0.74	Nov	Aberdeen (Phillips Field)	Harford	1973
1974	11.32	Aug	Snow Hill (4 N)	Worcester	0.49	Feb	Waldorf (MSP)	Charles	1974
1975	18.11	Sep	Westminster (2 SSE)	Carroll	0.96	Nov	Westport (UPRC)	Allegany	1975
1976	14.63	Oct	Frederick (MSP)	Frederick	0.21	Nov	Chestertown	Kent	1976
1977	10.83	Sep	Vienna	Dorchester	0.30	Sep	Brighton Dam	Montgomery	1977
1977					0.30	Feb	Frederick (MSP)	Frederick	1977
1978	9.58	Jul	Oakland (1 SE)	Garrett	0.09	Sep	Patuxent River	St. Mary's	1978
1978	9.58	Aug	Rockville (3 NE)	Montgomery					
1979	15.47	Sep	Catoctin Mountain Park	Frederick	0.41	Dec	Assateague State Park	Worcester	1979

1980	8.64	Oct	Salisbury (AP)	Wicomico	0.33	Dec	Westminster (MSP)	Carroll	1980
1981	8.61	Jun	Woodstock	Baltimore	0.19	Nov	Boys (2 NW)	Montgomery	1981
1982	9.16	Jul	Crisfield (Somers Cove)	Somerset	0.58	Oct	Cumberland (2)	Alegany	1982
					0.58	Aug	Millington (2 WNW)	Kent	
1983	11.27	Jun	Glenn Dale (Bell)	Prince George's	Trace	Jul	Aberdeen (Phillips Field)	Harford	1983
1984	10.99	May	Patuxent River (Naval Air Station)	St. Mary's	0.50	Aug	Assateague State Park	Worcester	1984
1985	12.91	Nov	Frostburg (2)	Alegany	0.07	Sep	Frostburg (2)	Alegany	1985
					0.05	Apr	National Arboretum	District of Columbia	
1986	10.18	Jul	McHenry 2 NW	Garrett	0.22	May	Princess Anne	Somerset	1986
1987	11.09	Sep	Conowingo Dam	Harford	0.51	Aug	Cambridge (Water Treatment Plant)	Dorchester	1987
1988	12.83	May	Catoctin Mountain Park	Frederick	0.26	Jun	Royal Oak (2 SSW)	Talbot	1988
1989	16.66	Aug	Snow Hill (4 N)	Worcester	0.06	Aug	Laurel (3 V)	Prince George's	1989
1990	11.16	Jul	McHenry 2 NW	Garrett	0.64	Feb	Glenn Dale (Bell)	Prince George's	1990
1991	8.62	Sep	Hagerstown	Washington	0.13	Nov	Princess Anne	Somerset	1991
1992	10.08	Aug	Assateague Island National Seashore	Worcester	0.22	Oct	Catoctin Mountain Park	Frederick	1992
1993	9.52	Sep	Westminster (MSP)	Carroll	0.59	Jul	Vienna	Dorchester	1993
1994	13.74	Jul	Salisbury	Wicomico	0.55	Jun	Snow Hill	Worcester	1994
1995	11.22	Oct	Towson	Baltimore	0.34	Aug	Snow Hill	Worcester	1995
1996	11.11	Jul	Catoctin Mountain Park	Frederick	1.52	Feb	Glenn Dale (Bell)	Prince George's	1996
1997	8.73M	Nov	Catoctin Mountain Park	Frederick	0.36	Jul	Rockville (1 NE)	Montgomery	1997
1998	8.57M	Feb	Catoctin Mountain Park	Frederick	0.09	Nov	Cumberland (2)	Alegany	1998
1999	18.09	Sep	Chestertown	Kent	0.50	Aug	Cumberland (MSP)	Alegany	1999
2000	9.44	Jul	Mechanicsville (5 NE)	St. Mary's	0.00	Oct	Assateague	Worcester	2000
					0.00	Oct	Princess Anne	Somerset	
2001	9.25	Jul	Oakland (1 SE)	Garrett	0.00	Nov	Assateague	Worcester	2001
2002	15.66	Sep	Snow Hill (4 N)	Worcester	0.17	Feb	Hagerstown (MSP)	Washington	2002
					0.00	Feb	Dalecarlia Reservoir	District of Columbia	
2003	12.02	Sep	Damascus (3 SSW)	Montgomery	1.38	Jan	Salisbury (AP)	Wicomico	2003
					0.82	Oct	Baltimore (Maryland Science Center)	Baltimore City	
2004	14.20	Aug	Princess Anne	Somerset	0.82	Oct	Salisbury (MSP)	Wicomico	2004
					0.82M	Oct	Solomons	Calvert	
					0.13	Sep	Mechanicsville (5 NE)	St. Mary's	
2005	12.69	Jul	Millers (4 NE)	Carroll	0.13	Sep	Mechanicsville (5 NE)	St. Mary's	2005
					0.13	Sep	National Arboretum	District of Columbia	
2006	13.56	Sep	Mechanicsville (5 NE)	St. Mary's	0.02	Mar	Beltsville	Prince George's	2006
	14.26	Jun	Dalecarlia Reservoir	District of Columbia					
2007	7.55	Oct	Oxon Hill	Prince George's	0.35	Sep	Baltimore AP (BWI)	Anne Arundel	2007
2008	11.80	May	Upper Marlboro (3 NNW)	Prince George's	0.77	Oct	Savage River Dam	Garrett	2008
2009	12.52	Aug	Aberdeen (Phillips Field)	Harford	0.24	Feb	Salisbury (AP)	Wicomico	2009
					0.17	Feb	Dalecarlia Reservoir	District of Columbia	
2010	10.09	Oct	Solomons	Calvert	0.48	Jan	Smithsburg (2 NW)	Washington	2010
2011	16.46	Sep	Emmitsburg (2 SE)	Frederick	0.81	Jul	Cumberland (2)	Alegany	2011
					#0.73	Feb	Princess Anne	Somerset	
2012	12.09	Oct	Millers (4 NE)	Carroll	0.35	Nov	Frostburg (2)	Alegany	2012
2013	10.92	Jun	Oxon Hill	Prince George's	0.73	Sep	Sharpsburg	Washington	2013
2014	9.78	May	Brighton Dam	Montgomery	0.81	Jan	Cumberland (2)	Alegany	2014
2015	13.09	June	Baltimore AP (BWI)	Anne Arundel	0.91	Aug	Beltsville	Prince George's	2015
2016	20.39	Sep	Snow Hill (4 N)	Worcester	0.35	Nov	Beltsville	Prince George's	2016
2017	12.77	Aug	Salisbury (2 N)	Wicomico	0.41	Feb	Mechanicsville (5 NE)	St. Mary's	2017
2018	16.73	Jul	Baltimore AP (BWI)	Anne Arundel	0.75	Jan	Beltsville	Prince George's	2018
					0.06	Sep	Aberdeen Phillips Field	Harford	
2019	9.74	Jul	Oxon Hill	Prince George's	Trace	Sep	National Arboretum	District of Columbia	2019
2020	19.55	Aug	Mechanicsville (5 NE)	St. Mary's	1.33	Jul	Emmitsburg (2 SE)	Frederick	2020
2021	13.64	Sep	Emmitsburg (2 SE)	Frederick	0.31	Nov	Snow Hill (4 N)	Worcester	2021
2022	9.87M	July	Solomons	St. Mary's	0.19	Aug	Ocean City (AP)	Worcester	2022
2023	9.94	Dec	Parsonsburg	Wicomico	0.39	May	Baltimore (Maryland Science Center)	Baltimore City	2023
2024	12.51	Aug	Damascus (3 SSW)	Montgomery	0.01	Oct	Ocean City (AP)	Worcester	2024
					0.01	Oct	Salisbury (AP)	Wicomico	
2025	13.88	May	Frostburg (2)	Alegany	0.32	Jan	Hagerstown (AP)	Washington	2025
YEAR	MAXIMUM MONTHLY PRECIPITATION	MONTH	LOCATION	COUNTY	MINIMUM MONTHLY PRECIPITATION	MONTH	LOCATION	COUNTY	YEAR

Data through 12/31/2025; Updated 1/8/2026

DATA SOURCE: Climatological Data - Maryland/Delaware Annual Summaries and some monthly publications - 1891-2025: <https://www.ncdc.noaa.gov/data-access/quick-links/cddp>
Applied Climate Information System (ACIS) - 1891-1895, 2023-2025: <https://scacis.rcc-acis.org/>

1972 - Westminster (MSP) - Official but Unpublished Station - Source: Climatological Data - Maryland/Delaware, June 1972, Table 1, p. 65;
Published Westminster Monthly Total of 18.79" from 12/1972 CD, "Late Reports" p. 152.
1945 - Leonardtown July total from Climatological Data, MD-DE Section, July 1945, Vol. XLIX, #7, p. 1 Precipitation write up.

NOTES: 1) Where a DC station equals or exceeds a MD extreme, the DC value is additionally shown (in pink).

2) Trace = Measurement of <0.01".

3) M = Missing one or more days of recorded precipitation.

4) E = Partially Interpolated data (either by Snow Water Equivalent or from surrounding stations' data).

5) AP = Airport.

6) MSP = Maryland State Police Barracks.

7) N/A = Insufficient stations available to determine.

8) Bolded values are extremes for the entire data period.

9) Italicized values in the current year are the extremes as of the most recent update.

10) Year 1891 only covers the 8-month period May-December for the Minimum Monthly Precipitation as only Baltimore data is available for January through April.

11) #The 2011 Minimum total of 0.73" at Princess Anne is missing data for February 5th. Nearby stations recorded 0.04"-0.05" so could still supersede the 0.81" at Cumberland.

12) *The June 1903 total of 13.87" at Bachman's Valley doesn't appear to be accepted by the National Centers for Environmental Information (NCEI).

13) In 2022, the highest CoCoRaHS Monthly totals (all in July): 13.18" at Bethesda 2.0 WNW; 11.23" at Mechanicsville 7.0 SE; Leonardtown 0.6 NE: 10.52"; Hyattsville 0.7 N: 10.43"; Birdsville 0.2 WSW: 10.42"

14) In 2023, the highest CoCoRaHS Monthly totals (all in July): 13.06" at Hurlock 1.9 SW; 11.26" at Waldorf 3.3 S; 10.88" at East New Market 1.9 SE.

15) In 2024, the highest CoCoRaHS Monthly totals (both in August): 13.39" at Damascus 1.0 S; 13.02" at Clarksburg, 2.1 NE.

In August 2024, the 0.00" reported at the Ocean City Airport is considered errata as all surrounding stations reported multiple days of measurable, even significant precipitation.

16) In 2025, the highest CoCoRaHS Monthly total was 16.11" at "Lonaconing 2.3 ESE" (Alegany County).