

**MARYLAND PRECIPITATION EXTREMES**  
**Statewide Annual Maximum and Minimum Totals**  
**Period of Record: 1891-Present**  
**(Amounts in Inches)**

YEAR	MAXIMUM ANNUAL PRECIPITATION	LOCATION	COUNTY	MINIMUM ANNUAL PRECIPITATION	LOCATION	COUNTY	YEAR
1891	54.21	Baltimore (Holliday & Baltimore Streets)	Baltimore City	46.29	Cumberland	Allegany	1891
1892	47.64	Fallston	Harford	34.66	Cumberland	Allegany	1892
1893	48.02	Cambridge (Water Treatment)	Dorchester	30.04	Cumberland	Allegany	1893
1894	47.81	Bachmans Valley	Carroll	28.50	Cumberland	Allegany	1894
				27.13	Washington (Distributing Reservoir)	District of Columbia	
1895	41.48	Mardela Springs	Wicomico	23.03	Cumberland	Allegany	1895
1896	64.94	Sunnyside	Garrett	30.18	Great Falls	Montgomery	1896
1897	63.85	Sunnyside	Garrett	32.56	Westernport	Allegany	1897
1898	65.77	Sunnyside	Garrett	32.59	Great Falls	Montgomery	1898
1899	51.38	Bachmans Valley	Carroll	28.69	Boettcherville	Allegany	1899
1900	52.19	Sunnyside	Garrett	28.21	Cumberland	Allegany	1900
1901	M70.87	Bachmans Valley	Carroll	38.61	Pocomoke City	Worcester	1901
1902	61.38	Bachmans Valley	Carroll	33.75	Westernport	Allegany	1902
1903	<sup>a</sup> 78.12	Bachmans Valley	Carroll	37.36	Westernport	Allegany	1903
	58.51	New Market	Frederick				
1904	50.26	Annapolis	Anne Arundel	19.96	Cumberland	Allegany	1904
1905	64.64	Bachmans Valley	Carroll	31.58	Cumberland	Allegany	1905
1906	58.46	Bachmans Valley	Carroll	36.10	Chewsville	Washington	1906
1907	66.59	Annapolis	Anne Arundel	37.55	Solomons	Calvert	1907
1908	52.50	Annapolis	Anne Arundel	31.63	Solomons	Calvert	1908
1909	50.45	Deer Park	Garrett	28.30	Taneytown	Carroll	1909
1910	52.45	Annapolis	Anne Arundel	26.74	Westernport	Allegany	1910
1911	57.58	Oakland	Garrett	33.62	Solomons	Calvert	1911
1912	52.68	Deer Park	Garrett	35.50	Solomons	Calvert	1912
1913	48.96	Deer Park	Garrett	25.41	Solomons	Calvert	1913
1914	42.63	Oakland	Garrett	29.35	Solomons	Calvert	1914
1915	59.39	Sabillasville (State Sanatorium)	Frederick	26.82	Westernport	Allegany	1915
1916	49.72	Emmitsburg	Frederick	26.14	Westernport	Allegany	1916
1917	49.31	Emmitsburg	Frederick	27.17	Westernport	Allegany	1917
1918	<sup>b</sup> 46.95	Oakland	Garrett	28.88	Owings (Ferry Landing)	Calvert	1918
1919	57.44	Coleman	Kent	30.69	Westernport	Allegany	1919
1920	53.80	Princess Anne	Somerset	32.49	Chewsville	Washington	1920
1921	54.12	Oakland	Garrett	28.89	Public Landing	Worcester	1921
1922	55.65	Owings (Ferry Landing)	Calvert	24.39	Cumberland	Allegany	1922
1923	50.38	Oakland	Garrett	31.47	Clear Spring	Washington	1923
1924	50.79	Fallston	Harford	37.41	Chewsville	Washington	1924
1925	48.37	Pleasant Hill	Baltimore	27.87	Solomons	Calvert	1925
1926	53.21	Oakland	Garrett	32.08	Solomons	Calvert	1926
1927	53.56	Grantsville	Garrett	27.89	Solomons	Calvert	1927
1928	55.38	Lutherville	Baltimore	34.92	Public Landing	Worcester	1928
1929	55.60	Sabillasville (State Sanatorium)	Frederick	33.09	Solomons	Calvert	1929
1930	29.52	Grantsville	Garrett	17.76	Picardy	Allegany	1930
1931	47.90	Friendsville	Garrett	29.30	Takoma	Montgomery	1931
1932	54.35	La Plata	Charles	34.33	Cumberland	Allegany	1932
1933	57.56	Emmitsburg	Frederick	37.70	Cumberland	Allegany	1933
1934	60.12	Mechanicsville	St. Mary's	30.50	Picardy	Allegany	1934
1935	63.85	Cambridge	Dorchester	31.51	Keedysville	Washington	1935
1936	53.95	Grantsville	Garrett	35.22	Aberdeen	Harford	1936
1937	62.47	Chestertown	Kent	39.68	Chewsville	Washington	1937
1938	56.50	Princess Anne	Somerset	24.80	Mt. Savage Summit	Garrett	1938
1939	52.32	Princess Anne	Somerset	28.26	Mt. Savage Summit	Garrett	1939
1940	62.13	Emmitsburg	Frederick	32.90	Crisfield	Somerset	1940
1941	46.85	Oakland	Garrett	25.58	Edgemont	Washington	1941
1942	62.14	Maryland Line	Baltimore	34.70	Point Lookout	St. Mary's	1942
1943	44.40	Oakland	Garrett	21.85	Luke	Allegany	1943
1944	57.22	Snow Hill	Worcester	32.86	Chewsville	Washington	1944
1945	65.56	Blackwater Refuge	St. Mary's	37.13	Luke	Allegany	1945
1946	44.72	Snow Hill	Worcester	24.63	Annapolis	Anne Arundel	1946
1947	46.56	Sines Deep Creek	Garrett	26.49	Cumberland	Allegany	1947
1948	72.59	Salisbury	Wicomico	40.22	Hancock (Fruit Lab)	Washington	1948
1949	53.86	Sines Deep Creek	Garrett	34.24	Easton (MSP)	Talbot	1949
1950	61.72	Sines Deep Creek	Garrett	33.29	Luke	Allegany	1950
1951	50.74	Benson (MSP)	Harford	28.91	Ocean City	Worcester	1951
1952	62.91	Lisbon	Howard	36.84	Ocean City	Worcester	1952
1953	54.42	Ft. Meade	Anne Arundel	30.15	Luke	Allegany	1953
1954	53.87	Oakland	Garrett	E26.98	Middle River	Baltimore	1954
1955	53.40	Snow Hill	Worcester	E20.79	Ocean City	Worcester	1955
1956	E63.44	Sines Deep Creek	Garrett	32.09	Beltsville (Plant Station 2)	Prince George's	1956
1957	50.05	Waldorf (MSP)	Charles	29.21	Hagerstown	Washington	1957
1958	E62.28	Denton	Caroline	31.91	Luke	Allegany	1958
1959	51.90	Royal Oak	Talbot	30.37	Keedysville	Washington	1959
1960	56.66	Cambridge	Dorchester	31.47	Chewsville-Bridgeport	Washington	1960
1961	54.59	Snow Hill	Worcester	E32.16	Chewsville-Bridgeport	Washington	1961
				35.57	Hagerstown	Washington	
1962	50.73	Snow Hill	Worcester	29.92	Frederick (AP)	Frederick	1962
1963	E46.31	Sines Deep Creek	Garrett	E27.21	Picardy	Allegany	1963
				28.15	Cumberland	Allegany	
1964	48.88	Vienna	Dorchester	27.68	Chewsville-Bridgeport	Washington	1964
1965	41.55	Sines Deep Creek	Garrett	26.29	Conowingo Dam	Harford	1965
1966	E45.96	Coleman	Kent	28.47	Hancock (Fruit Lab)	Washington	1966
1967	E54.55	Benson (MSP)	Harford	32.52	Owings (Ferry Landing)	Calvert	1967
1968	47.33	Fort Meade	Anne Arundel	28.84	Savage River Dam	Garrett	1968

1969	54.93	Solomons	Calvert	25.89	Westernport	Allegany	1969
1970	53.61	Bittinger	Garrett	E30.22	Crisfield	Somerset	1970
1971	76.52	Towson	Baltimore	E31.04	Cumberland	Allegany	1971
1972	68.62	Towson	Baltimore	42.72	Westernport	Allegany	1972
1973	56.42	Elkton	Cecil	33.11	Waldorf (MSP)	Charles	1973
1974	E48.63	Millington	Kent	E31.91	Crisfield	Somerset	1974
1975	65.45	Catoctin Mountain Park	Frederick	E41.79	Merrill	Garrett	1975
1976	52.08	Catoctin Mountain Park	Frederick	32.34	Preston	Caroline	1976
1977	E47.26	Vienna	Dorchester	28.67	Cumberland	Allegany	1977
1978	E55.17	McHenry	Garrett	37.95	Frederick (MSP)	Frederick	1978
1979	69.63	Salisbury (AP)	Wicomico	45.76	Cumberland	Allegany	1979
1980	49.67	Oakland	Garrett	E31.36	Crisfield	Somerset	1980
1981	50.85	McHenry	Garrett	31.22	Baltimore (BWI AP)	Anne Arundel	1981
1982	48.26	Royal Oak	Talbot	31.38	Hagerstown	Washington	1982
1983	62.03	Benson (MSP)	Harford	35.26	Merrill	Garrett	1983
1984	57.00	Catoctin Mountain Park	Frederick	36.15	Boys	Montgomery	1984
1985	M57.94	Oakland	Garrett	32.83	Cumberland	Allegany	1985
1986	55.08	McHenry	Garrett	30.02	Cumberland	Allegany	1986
				M23.81	Crisfield	Somerset	
1987	48.00	Damascus	Montgomery	31.68	Cambridge	Dorchester	1987
1988	48.84	McHenry	Garrett	32.30	Baltimore (BWI AP)	Anne Arundel	1988
1989	70.64	Towson	Baltimore	39.22	Edgemont	Washington	1989
1990	60.49	Benson (MSP)	Harford	38.83	Salisbury	Wicomico	1990
1991	46.29	Salisbury (AP)	Wicomico	26.57	Cumberland	Allegany	1991
				M23.95	Hancock	Washington	
1992	50.95	Salisbury	Wicomico	33.96	Cumberland	Allegany	1992
				38.58	Chestertown	Kent	
1993	M61.49	Westminster (MSP)	Carroll	M34.40	Vienna	Dorchester	1993
				M37.28	Assateague Island Nat'l Seashore	Worcester	
1994	56.68	Oakland	Garrett	40.62	Princess Anne	Somerset	1994
				M39.87	Assateague Island Nat'l Seashore	Worcester	
				M39.97	Vienna	Dorchester	
1995	46.26	Chestertown	Kent	36.15	Snow Hill	Worcester	1995
				M32.85	Assateague Island Nat'l Seashore	Worcester	
				M32.80	Frederick (MSP)	Frederick	
				M33.48	Savage River Dam	Garrett	
				M34.51	Hancock	Washington	
1996	76.65	Hagerstown (1 E)	Washington	48.87	Upper Marlboro	Prince George's	1996
1997	45.09	Snow Hill	Worcester	31.76	Millers	Carroll	1997
				M29.72	Westminster (MSP)	Carroll	
1998	M51.21	Catoctin Mountain Park	Frederick	34.37	Baltimore (BWI AP)	Anne Arundel	1998
				M20.56	Hagerstown (MSP)	Washington	
1999	M53.46	Annapolis (MSP)	Anne Arundel	M29.70	Cumberland (MSP)	Allegany	1999
2000	M54.97	Annapolis (MSP)	Anne Arundel	36.68	Rockville	Montgomery	2000
2001	M42.88	Mechanicsville	St. Mary's	28.47	Sharpsburg	Washington	2001
2002	55.84	Snow Hill	Worcester	35.89	Beltsville	Prince George's	2002
2003	M75.13	Catoctin Mountain Park	Frederick	53.19	Cumberland 2	Allegany	2003
2004	58.71	Catoctin Mountain Park	Frederick	38.90	Chestertown	Kent	2004
2005	53.89	Millers	Carroll	37.60	Cumberland 2	Allegany	2005
2006	57.06	Aberdeen (Phillips Field)	Harford	32.61	Cumberland 2	Allegany	2006
2007	M44.98	Conowingo Dam	Harford	M30.52	Beltsville	Prince George's	2007
				41.29	Baltimore (Maryland Science Center)	Baltimore City	
2008	56.28	Oxon Hill	Prince George's	M37.16	Williamsport	Washington	2008
				M39.77	Beltsville	Prince George's	
2009	M63.02	Royal Oak	Talbot	39.04	Cumberland 2	Allegany	2009
				M36.68	Williamsport	Washington	
2010	M49.17	Chestertown	Kent	31.39	Smithsburg	Frederick	2010
				M29.01	Williamsport	Washington	
2011	M65.49	Conowingo Dam	Harford	37.14	Snow Hill	Worcester	2011
2012	52.14	Millers	Carroll	31.88	Cumberland 2	Allegany	2012
2013	53.95	Conowingo Dam	Harford	31.62	Cumberland 2	Allegany	2013
2014	55.35	Laurel (3W)	Prince George's	37.49	Frostburg 2	Allegany	2014
2015	57.03	Salisbury (AP)	Wicomico	36.45	Cumberland 2	Allegany	2015
2016	M58.87	Salisbury (2 N)	Wicomico	34.36	Cumberland 2	Allegany	2016
2017	62.15	Oakland	Garrett	34.04	Hagerstown (AP - ASOS)	Washington	2017
2018	<sup>a</sup> 84.56	Catonsville (1.2 NW)	Baltimore	<sup>d</sup> 54.52	Salisbury (AP)	Wicomico	2018
				36.85	Salisbury (AP)	Wicomico	
2019	54.80	Emmitsburg (2 SE)	Frederick	<sup>e</sup> 31.94	Savage River Dam	Garrett	2019
				30.14	Hagerstown (AP - ASOS)	Washington	
2020	<sup>f</sup> 80.86	Mechanicsville 5 NE	St. Mary's	37.98	Hagerstown 1 E	Washington	2020
2021	<sup>g</sup> M51.78	Conowingo Dam	Harford	31.37	Hagerstown (AP - ASOS)	Washington	2021
2022	53.23	Conowingo Dam	Harford	<sup>h</sup> 34.24	Hagerstown (AP - ASOS)	Washington	2022
2023	50.22	Salisbury (2 N)	Wicomico	<sup>i</sup> M26.52	Hagerstown (AP - ASOS)	Washington	2023
				36.18	Cumberland (2)	Allegany	
2024	48.86	Damascus (3 SSW)	Montgomery	<sup>j</sup> M31.02	Hagerstown (AP - ASOS)	Washington	2024
				<sup>j</sup> M32.36	Patuxent River NAS (AWOS)	St. Mary's	
				<sup>j</sup> M34.11	Queenstown (3 S)	Queen Anne's	
2025	<sup>k</sup> 48.16	Salisbury (2 N)	Wicomico	32.24	Hagerstown (1 E)	Washington	2025
				<sup>k</sup> M25.20	Hagerstown (AP)	Washington	
YEAR	MAXIMUM ANNUAL PRECIPITATION	LOCATION	COUNTY	MINIMUM ANNUAL PRECIPITATION	LOCATION	COUNTY	YEAR

Preliminary 2025 Data through 12/31/2025, Updated 1/7/2026

- DATA SOURCE: 1) Climatological Data - Maryland/Delaware Annual Summaries and some monthly publications - 1891-2024: <https://www.ncdc.noaa.gov/data-access/quick-links/cdp>
- 2) Applied Climate Information System (ACIS) - 1891-1895, 2019: <https://scacis.rcc-acis.org/>
- 3) Northeast Regional Climate Center: <https://www.nrcc.cornell.edu/regional/tables/tables.html>
- 4) Climatological Data - Maryland/Delaware, June 1972, Table 1, pp. 63 & 65 (greatest 12-month Total recorded for Maryland 88.21" at Towson: July 1, 1971 - June 30, 1972).
- 5) Climatological Data, U.S. Dept. of Commerce, Weather Bureau/MD State Weather Service - Maryland/Delaware, 1947 Annual Summary, 'Comparative Data for the Year', p. 1. (1930 Record Lowest State Average Annual Precipitation - 23.29" per Climatological Data - Maryland/Delaware); (1930 Record Lowest State Average Annual Precipitation - 23.28" per Northeast Regional Climate Center: <http://www.nrcc.cornell.edu/regional/tables/tables.html>)

- NOTES:** <sup>a</sup> 1903 - The 78.12" reported at Bachman's Valley is much higher than any other state total but is what is reported in the NCEI Climatological Data publications. The 58.51" at New Market is the next highest state total.
- <sup>b</sup> 1918 - Oakland Max Total correct (3/1918 CD publication incorrectly changed January total from 2.88" to 2.28" but the Annual Summary corrected that amount, providing an Annual total of 46.95").
- <sup>c</sup> On June 12, 2019, the State Climate Extremes Committee 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. 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 northern St. Mary's County. These values supersede the previous 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.weatherstogether.net/2018/12/13/maryland-state-annual-precipitation-record/>
- <sup>d</sup> The 2018 value shown for the minimum of 54.52" at Salisbury (AP) is the lowest value of any NWS/COOP station without any missing days of data.
- <sup>e</sup> The 2019 amount of 36.85" at Salisbury Airport is the lowest state total without any missing days of data. The 31.94" at Savage River Dam has a lower total but is missing 35 days of data and it has not been investigated as to how many of these days affect the actual total. The Annapolis NAF (Naval Academy) ASOS station recorded 25.36" but is missing 12 days of data. However, this amount is well under the amounts of any other nearby stations so its total is suspect, thus is not included in the main table.
- <sup>f</sup> The 2020 amount of 80.86" at Mechanicsville 5 NE is the most observed by an official ASOS or COOP station for that year. The CoCoRaHS station Leonardtown 0.6 NE reported 86.89" as an annual total. However, after it was brought to the attention of the proper NWS personnel, it was decided not to further investigate this amount due to a siting issue and possible amount errors.
- <sup>g</sup> Conowingo Dam's 51.78" annual total in 2021 does not include 7 missing days of likely precipitation.
- <sup>h</sup> Snow Hill 4 N (Obs. Time 17:00) reported a 2022 annual total of 26.99" but is Missing at least 8 days of data: January 3-7, 10, & 21 (and likely Jan. 1-2 and 9-11), and October 8. Nearby stations reported significant ppt during this period in January. For this period of missing data at Snow Hill 4 N, the Salisbury AP reported a total of 3.19", Salisbury 2N reported 3.81", and the CoCoRaHS station at Snow Hill 0.4 S reported 3.63". For the October 8th period, only Salisbury 2N reported any measurable precipitation, only 0.01" on October 7th. Though it's likely that Snow Hill 4 N did have the lowest annual total, it cannot be determined how much it actually received. Additionally, Savage River Dam reported a lower Annual Total than the 34.24" at Hagerstown (Airport ASOS) with 34.09" but is missing 12 days of precipitation data, including 5 days in July 2022 when significant rain occurred on 2 or 3 of those days, which likely would have caused it to surpass the Hagerstown total.
- <sup>i</sup> Hagerstown Airport ASOS reported 26.52" in Calendar-Year 2023 but had 1 missing day of data on July 21st. Surrounding stations all had measurable rain on that date so the actual total is likely slightly higher but would still be the lowest Maryland total for the year, remaining behind the next lowest total of 29.48" reported at nearby Hagerstown 1 E.
- <sup>j</sup> Hagerstown Airport ASOS reported 31.02" in Calendar-Year 2024 but had 2 missing days of data, January 6th and May 26th. The nearby COOP station Hagerstown 1 E reported 0.82" on January 6th (with 4.2" of Snowfall); the Hagerstown AP ASOS reported 0.15" on May 25th, Missing data on the 26th, and 0.01" on 27th (Midnight Obs) while Hagerstown 1 E reported 1.36" on 25th, 0.26" on 26th, and 0.02" on 27th (Midnight Obs). If these amounts were added to the Hagerstown Airport ASOS total of 31.02", it would total to more than the next lowest Maryland total of 32.36" at Patuxent River NAS AWOS, which is missing 3 days of data (July 21st & 25th, December 17th). Researching Patuxent River NAS's missing data, the nearby St. Ingoes Webster Field AWOS reported 0.00" on July 21st and 0.01" on July 25th; 0.00" on Dec. 17th. The COOP station at Cumberland 2 reported 36.18" and is the station with the lowest total without any missing days of data. Another low Maryland total of 34.11" was reported at Queenstown 3 S but is missing 67 days of data, which has not been researched to see if data is actually missing or it was that zeros were simply not entered.
- <sup>k</sup> The highest 2025 First-Order and COOP station Annual total was the 48.16" at Salisbury 2 N. The highest CoCoRaHS station was McHenry 4.8 SSE, reporting 50.76" (with 3 missing days of data). The lowest Annual total for First-Order and COOP stations was 25.20" at the Hagerstown Airport but was missing 3 days of data - May 8th and October 19th & 20th. On those dates, the closest COOP station, Hagerstown 1 E (also a midnight Obs time), measured 0.17" on May 8th, 0.53" on October 19th, and 0.08" on October 20th. The next lowest First-Order/COOP total (with few missing days) was 32.24" at Hagerstown 1 E, with just 1 missing day, February 28th, when only Traces were reported nearby.

E = At least one day of Interpolated data.

AP = Airport.

MSP = Maryland State Police Barracks.

M = Missing one or more days of recorded precipitation. Values with Missing data that are shown in non-italic type likely did not receive additional precipitation; some supplementary Minimum values, shown in *italic*, are included when they likely supersede a location without missing data.

- Where a District of Columbia station equals or exceeds a Maryland extreme, the DC value is additionally shown (in **pink**).

- **Bolded values** are extremes for the entire data period.

The Totals in the Table, above, are for Calendar Years.

**The greatest non-Calendar-Year 12-month amount at a National Weather Service Cooperative Observer (COOP) Station:**

88.21" at Towson, Baltimore County, covering the period July 1, 1971 to June 30, 1972.

Source: Climatological Data - Maryland/Delaware, June 1972, Table 1, p. 63 and 65.

**The greatest non-Calendar-Year 365-day amounts at National Weather Service Cooperative Observer (COOP) Stations:**

- 95.20" at Bachman's Valley, Carroll County, for the period 9/20/1902-9/19/1903 (and other 365-day period(s)).
- 91.41" at Towson, Baltimore County, for the period 7/18/1971-7/17/1972 (and other 365-day period(s)).
- 85.52" at Mechanicsville 5 NE, St Mary's County, for the period 6/18/2020-6/17/2021 (and other 365-day period(s)).
- 85.33" at Emmitsburg 2 SE, Frederick County, for the period 5/15/2018-5/14/2019.
- 84.19" at Annapolis Police Barracks, Anne Arundel County, for the period 9/26/2002-9/25/2003 (and other 365-day period(s)).

**The greatest non-Calendar-Year 365-day amounts at Community Collaborative Rain, Hail, & Snow Network (CoCoRaHS) Stations:**

- 92.24" at Thurmont 3.0 N, Frederick County, for the period 5/15/2018-5/14/2019.
- 91.60" at Salisbury 3.4 SSE, Wicomico County, for the period 7/10/2020-7/9/2021
- 90.20" at New Market 4.8 WSW, Frederick County, for the period 5/15/2018-5/14/2019.
- 88.88" at Catonsville 1.2 NW, Baltimore County, for the period 5/15/2018-5/14/2019.
- 88.65" at Eldersburg 0.9 E, Carroll County, for the period 5/15/2018-5/14/2019.

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