

BALTIMORE-WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT - BALTIMORE, MARYLAND

All-Time Precipitation Extremes
Daily/24-Hour, Monthly, and Annual Amounts (in inches)

Period of Record: 7/23/1950-PRESENT

Month	Maximum Calendar-Day Amount	Maximum Date	Maximum 24-Hour Amount	Maximum Date(s)	Maximum Monthly Amount	Maximum Year	Minimum Monthly Amount	Minimum Year	 <p align="center">Baltimore Airport (BWI) ASOS</p>			
January	2.62	1/9/2024	*2.72	1/7-8/1996	7.84	1979	0.29	1955				
February	3.26	2/11/1983	3.26	2/11/1983	7.16	1979	0.26	2009				
March	2.61	3/10/2011	3.18	3/19-20/1958	8.64	1994	0.18	2006				
April	3.06	4/30/2014	3.76	4/29-30/2014	8.60	2014	0.39	1985				
May	3.28	5/8/1960	3.65	5/11-12/2008	8.71	1989	0.37	1986				
June	3.84	6/22/1972	5.23	6/21-22/1972	13.09	2015	0.15	1954				
July	5.85	7/8/1952	5.86	7/8-9/1952	16.73	2018	0.30	1955				
August	6.30	8/12/2014	8.35	8/12-13/1955	18.35	1955	0.77	1951				
September	6.02	9/30/2010	6.04	9/26-27/1985	13.32	2011	0.16	2019				
October	5.51	10/29/2012	5.98	10/7-8/2005	9.23	2005	T	1963				
November	3.39	11/21/1952	3.43	11/21-22/1952	8.14	2018	0.31	1981				
December	3.36	12/18/1977	3.39	12/18-19/1977	8.06	2009	0.20	1955				
EXTREME	6.30	8/12/2014	8.35	8/12-13/1955	18.35	8/1955	T	10/1963	71.82	2018	27.89	1954

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

DATA SOURCE: 1) NOAA, NCEI, "Local Climatological Data, Baltimore," 1950-PRESENT: <https://www.ncdc.noaa.gov/lcd/lcd.html>
2) Applied Climate Information System (ACIS): <https://scacis.rcc-acis.org/>

- NOTES: 1) *3.11" fell 12/31/1975-1/1/1976 but is not included for January as only 0.74" fell from this event on 1/1/1976.
2) Baltimore-Washington International Thurgood Marshall Airport was formerly known as Friendship International Airport from 6/24/1950 to 11/15/1973, Baltimore-Washington International Airport from 11/16/1973 to 9/30/2005, and Baltimore-Washington International Thurgood Marshall Airport afterwards.
3) The Maximum Annual Precipitation record for BWI prior to the 71.82" in 2018 was 62.66" in 2003.

For Baltimore City records, please click this link: [Baltimore City Limits Precipitation Extremes](#)

BALTIMORE-WASHINGTON INTERNATIONAL THURGOOD MARSHALL AIRPORT PRECIPITATION EXTREMES

Top-20 Maximum Daily, Monthly, and Annual Amounts

Period of Record: 7/23/1950-Present
(Measurements in Inches)

RANK	MAXIMUM 24-HOUR/CALENDAR-DAY PRECIP.	DATE(S)	RANK	MAXIMUM MONTHLY PRECIP.	MONTH/YEAR	RANK	MAXIMUM ANNUAL PRECIP.	YEAR
1	18.35	8/12-13/1955	1	18.35	8/1955	1	71.82	2018
2	6.31	8/11-12/2014	2	16.73	7/2018	2	62.66	2003
3	[^] 6.30	8/12/2014	3	13.32	9/2011	3	58.98	1979
4	6.04	9/26-27/1985	4	13.09	6/2015	4	58.31	1996
5	[^] 6.02	9/30/2010	5	11.81	8/2020	5	57.38	2020
6	5.98	10/7-8/2005	6	11.50	9/1999	6	56.57	1952
7	5.86	7/8-9/1952	7	10.91	8/1971	7	56.52	2011
8	[^] 5.85	7/8/1952	8	10.38	8/2011	8	55.57	2009
9	5.70	10/29-30/2012	9	9.95	6/1972	9	53.33	1971
10	[^] 5.51	10/29/2012	10	9.38	8/1979	10	52.58	2014
11	5.26	9/15-16/1999	11	9.23	10/2005	11	52.33	1972
12	5.23	6/21-22/1972	12	9.19	9/2018	12	51.88	1989
13	[^] 5.02	9/16/1999	13	9.16	6/1963	13	51.82	1975
14	[^] 5.00	9/27/1985	14	8.92	10/2012	14	51.16	2015
15	4.92	9/15-16/1976	15	8.87	8/1967	15	51.03	1983
16	[^] 4.91	8/12/1955	16	8.80	6/1951	16	49.13	2005
17	[^] 4.79	7/21/2018	17	8.77	7/2005	17	48.25	1953
18	4.69	8/27-28/2011	18	8.71	5/1989	18	47.18	2022
19	4.58	10/13-14/1955	19	8.69	7/2004	19	46.83	1960
20	[^] 4.45	7/27/2004	20	8.64	3/1994	20	45.83	1973

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

- NOTES: 1) *Italicized values* are ties, with the most recent date at the higher rank.
2) [^] Calendar-day amount that equals or supersedes other 24-hour amounts.
3) ! The 8/1955 Local Climatological Data pub. for Baltimore AP shows the 24-hr record is 7.82", occurring 8/12-13/1955. However, when hourly precipitation is calculated, 8.35" fell starting 8/12/1955 with the hour ending at 8:00 A.M., ending 8/13/1955 with the hour ending at 7:00 A.M., the maximum event amount for a 24-hour period, which occurred during Hurricane Connie. Later Local Annual CD's do show the 8.35" amount (including the LCD Annual Summary 2014).
4) Ending on 9/30/2010, a 2-day total of 6.09" occurred (0.07" on 9/29 and 6.02" on 9/30), hence two dates of 9/30/2010 are shown in the September data, the single day with 6.02" on 9/30 superseding many other 2-day totals.
5) The 2-day total of 6.04" ending on 10/1/2010 includes 6.02" on 9/30/2010 and 0.02" on 10/1/2010. Because this event crosses months, this 6.04" total is not included in the monthly lists of 2-Day totals for September, October, nor the "All Days/Months" columns but the 6.02" is for September.

BALTIMORE-WASHINGTON INTERNATIONAL AIRPORT

7050 Friendship Rd., Baltimore, MD
(Photo from airportparkingguides.com)

