

BALTIMORE, MARYLAND: TOP-10 EXTREMES

MONTHLY & ANNUAL PRECIPITATION

(Measurements in Inches)

Period of Record: 1871-Present

RANK	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ALL MONTHS		ANNUAL		WINTER (Dec-Feb)		SPRING (Mar-May)		SUMMER (Jun-Aug)		AUTUMN (Sep-Nov)		RANK
	Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest		Wettest				
	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year			
1	7.84	1979	7.16	1979	8.64	1994	8.70	1889	8.71	1989	13.09	2015	16.73	2018	18.35	1955	13.32	2011	9.23	2005	8.14	2018	8.06	2009	18.35	8/1955	71.82	2018	19.63	1978-1979	21.23	1889	25.38	1955	20.02	2018	1
2	7.34	1978	7.07	1896	8.12	1993	8.60	2014	8.42	2009	9.95	1972	11.03	1889	13.83	1933	12.41	1934	8.92	2012	7.68	1952	7.44	1969	16.73	7/2018	62.66	2003	17.36	1936-1937	18.82	1983	25.34	2018	19.56	2006	2
3	6.81	1915	6.70	2003	7.94	1891	8.15	1952	8.17	2018	9.36	1948	10.65	1905	12.28	1911	11.50	1999	8.09	1976	7.05	1972	7.16	2023	13.83	8/1933	62.35	1889	15.90	1914-1915	18.35	1924	22.66	1920	19.08	2011	3
4	6.80	1996	6.69	1884	7.59	1881	7.92	1937	7.77	2008	9.16	1963	9.68	1945	11.81	2020	10.52	1876	7.75	1942	6.92	1947	7.10	1936	13.32	9/2011	58.98	1979	15.77	2023-2024	17.89	1952	21.55	1905	18.15	2003	4
5	6.77	2024	6.52	1939	7.20	1892	7.76	1910	7.26	1894	8.80	1951	9.43	1884	10.91	1971	9.38	1882	7.75	1937	6.85	1963	7.07	1901	13.09	6/2015	58.31	1996	15.41	1880-1881	17.60	1953	21.33	1911	17.75	1902	5
6	6.74	1937	6.40	1998	6.80	1983	7.58	1933	7.10	1960	8.25	1920	8.77	2005	10.38	2011	9.19	2018	7.62	2013	6.85	1887	6.77	1996	12.41	9/1934	57.38	2020	15.05	2015-2016	17.35	1933	21.19	2020	17.34	1877	6
7	6.42	1892	6.21	1971	6.80	1953	7.42	1895	7.07	1886	8.08	1883	8.69	2004	9.94	1915	8.75	1912	7.17	1932	6.50	1962	6.72	1983	12.28	8/1911	56.57	1952	15.01	1881-1882	16.70	1892	20.82	1933	16.87	1934	7
8	6.13	1949	6.01	1972	6.66	1924	6.99	1940	6.88	1897	7.81	2013	8.32	1887	9.70	1928	8.62	1975	6.90	1927	6.46	1926	6.54	2018	11.81	8/2020	56.52	2011	15.01	1948-1949	16.33	2014	19.04	2015	16.18	1971	8
9	5.94	1936	5.70	2016	6.64	1912	6.79	1918	6.82	1889	7.81	1881	8.18	1960	9.49	1873	8.52	1907	6.88	1971	6.45	1889	6.36	1973	11.50	9/1999	55.57	2009	14.90	1902-1903	16.29	2009	18.86	1906	16.08	1966	9
10	5.85	1987, 1932	5.68	1881	6.50	1942	6.73	1929	6.81	2003	7.77	1941	8.08	1886	9.47	1920	8.50	1966	6.85	1902	6.35	2020	5.99	1945	11.03	7/1889	54.71	1948	14.80	1901-1902	16.11	1989	18.83	1979	16.06	1876	10
AVERAGES 1871-2023	3.25		3.11		3.72		3.40		3.71		3.75		4.29		4.32		3.70		3.22		2.97		3.29				42.73		9.66		10.84		12.37		9.89		AVERAGES 1871-2023
NORMALS 1991-2020	3.08		2.90		4.01		3.39		3.85		3.98		4.48		4.09		4.44		3.94		3.13		3.71				45.00		9.69		11.25		12.55		11.51		NORMALS 1991-2020
RANK	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ALL MONTHS		ANNUAL		WINTER (Dec-Feb)		SPRING (Mar-May)		SUMMER (Jun-Aug)		AUTUMN (Sep-Nov)		RANK
	Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		Driest		
	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Year	Precip	Mo/Year	Precip	Year	Precip	Years	Precip	Year	Precip	Year			
1	0.29	1955	0.26	2009	0.18	2006	0.39	1985	0.37	1986	0.15	1954	0.30	1955	0.64	1877	0.09	1884	T	1963	0.31	1981	0.20	1955	T	10/1963	21.55	1930	4.03	1976-1977	3.97	1986	4.39	1930	1.87	1930	1
2	0.49	1981	0.36	2002	0.46	1910	0.88	1942	0.43	1964	0.84	1988	0.64	1930	0.77	1951	0.16	2019	0.05	1924	0.44	1922	0.37	1896	0.05	10/1924	27.89	1954	4.12	1980-1981	4.89	1969	4.53	1966	2.81	1941	2
3	0.88	1872	0.56	1978	0.93	1966	0.88	1922	0.55	2023	0.90	1901	0.69	1963	0.78	1930	0.21	1967	0.08	2000	0.52	1917	0.61	1889	0.08	10/2000	28.22	1965	4.28	2001-2002	5.05	2006	5.38	1991	3.22	2001	3
4	0.94	1970	0.63	1977	0.96	1986	1.09	1908	0.55	1957	0.94	1873	0.85	1974	0.83	1916	0.32	1906	0.16	1874	0.56	1976	0.63	1965	0.09	9/1884	30.16	1991	4.30	1871-1872	5.28	1957	5.55	1998	3.46	1998	4
5	0.99	1967	0.65	1901	0.99	1987	1.26	1978	0.94	2007	1.01	1925	0.95	1910	0.86	1943	0.35	2007	0.17	1920	0.65	1882	0.70	1980	0.15	6/1954	31.22	1981	4.51	1979-1980	5.62	1915	5.95	1893	4.15	1967	5
6	1.00	2018	0.72	1968	1.06	1915	1.27	1976	1.00	1900	1.06	1898	1.13	1929	0.86	1909	0.37	1930	0.26	1928	0.68	1965	0.82	2021	0.16	9/2019	31.57	1900	5.17	1900-1901	5.74	2012	6.02	1954	4.44	1978	6
7	1.26	2004	0.73	1991	1.14	1981	1.31	2016	1.16	1991	1.08	1991	1.25	1957	0.91	1998	0.46	1970	0.26	1892	0.71	2012	0.84	1985	0.16	10/1874	32.15	1893	5.25	1930-1931	6.16	2023	6.43	1894	4.52	1965	7
8	1.27	1992	0.83	1895	1.19	1894	1.32	2001	1.17	1914	1.08	1908	1.31	1983	0.95	1982	0.50	1941	0.37	1930	0.73	1903	0.87	1979	0.17	10/1920	32.30	1988	5.60	1958-1959	6.23	1900	6.55	1909	4.60	1884	8
9	1.36	1977	0.94	1974	1.38	1893	1.37	1950	1.22	1883	1.11	1874	1.31	1909	1.11	1922	0.56	1955	0.51	1952	0.74	1890	0.95	2017	0.18	3/2006	32.72	1925	5.69	1954-1955	6.25	1926	6.82	1993	4.68	1936	9
10	1.38	1969, 1927	0.98	1925	1.41	1945, 1874	1.37	1915, 1885	1.23	1880	1.18	1966	1.40	1881	1.13	2013	0.58	1986	0.71	1978	0.76	1939	0.95	1937	0.20	12/1955	33.46	1871	5.73	1968-1969	6.52	1925	7.02	1964, 1923	4.77	1879	10

Data through 2/29/2024, Updated 3/4/2024

DATA SOURCE: 1) National Weather Service, Baltimore/Washington (Sterling, VA) website: <https://www.weather.gov/wrh/Climate?wfo=lw>
 2) Local Climatological Data, Baltimore, MD, NOAA: <https://www.ncdc.noaa.gov/lcd/lcd.html>

DATA NOTES: 1) Seasons are Meteorological and are thus: **Winter** = Jan, Feb, Mar; **Spring** = Mar, Apr, May; **Summer** = Jun, Jul, Aug; **Autumn** = Sep, Oct, Nov.
 2) *Italic values* are ties, with the most recent occurrence at the higher rank.
 3) This data for Baltimore includes downtown locations (1/1871-7/1950), then Baltimore-Washington International Thurgood Marshall Airport (8/1950-Present), formerly Friendship International Airport.

4) *Italic Value with this color background is a current, incomplete amount to be updated, as necessary.*

STATION LOCATIONS	PERIODS OF RECORD
South & Water Streets (SW Corner) - Fireman's Insurance Bldg	12/23/1870-12/31/1888
Holiday & E Baltimore Streets (SW Corner) - Neal Office Bldg	1/1/1889-5/31/1891
W Monument St & Linden Ave (NW Corner) - Johns Hopkins Univ. Physics Lab	6/1/1891-9/6/1895
N Calvert & E Fayette Streets (SW Corner) - Equitable Building	9/7/1895-7/31/1896
532 N Howard Street - Johns Hopkins University Treasurer's Bldg	8/1/1896-12/31/1907
S Gay & Water Streets - Custom House	1/1/1908-7/22/1950
Baltimore-Washington International Thurgood Marshall Airport (Formerly Friendship Int'l Airport)	7/23/1950-Present

STATION DATA SOURCE: 1) NOAA, NCDC, "Local Climatological Data, Baltimore, MD Friendship Int'l AP," 1955;
 2) NOAA, NCDC, "Local Climatological Data, Baltimore, MD Custom House," 1949 & 1964;
 3) NOAA, NCDC, "2012 Local Climatological Data, Annual Summary, Baltimore, MD, KBWI."

STATION NOTES: 1) 8" rain gauge through entire period.
 2) Additionally, a tipping bucket rain gauge added 6/13/1897.