

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 | Mo/Year | Precip | Year | Precip | Years | 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 | |

Data through 3/31/2024, Updated 4/18/2024

DATA SOURCE: 1) National Weather Service, Baltimore/Washington (Sterling, VA) website: <https://www.weather.gov/wrh/Climate?wfo=bx>
 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.