

PRECIPITATION EXTREMES WITHIN THE DISTRICT BOUNDARIES OF WASHINGTON, DC

Daily, 24-Hour, Monthly, and Annual Amounts (in Inches)
1870-PRESENT

Month	Maximum Calendar-Day Amount	Maximum Calendar-Day Date	Location	Maximum 24-Hour Amount	Maximum 24-Hour Date(s)	Location	Max Monthly	Max Monthly Year	Location	Min Monthly	Min. Monthly Year	Location	National Arboretum - National Capitol Columns <small>Photo courtesy of U.S. Department of Agriculture</small>																		
Jan	2.80	1/10/2024	Dalecarlia Reservoir	2.98	1/12-13/1915	2416 M St NW	7.83	1937	2416 M St NW	0.16	2002	National Arboretum																			
Feb	2.92	2/22/2003	Dalecarlia Reservoir	2.92	2/22/2003	Dalecarlia Reservoir	8.50	2003	Dalecarlia Reservoir	0.17	2009	Dalecarlia Reservoir																			
Mar	2.79	3/19/1958, 3/9/1881	2400 M St NW, 1719 G St. NW	4.68	3/19-20/1958	2400 M St NW	9.23	1999	Dalecarlia Reservoir	0.08	2006	National Arboretum																			
Apr	3.32	4/14/1970	U.S. Soldiers Home	3.32	4/14/1970	U.S. Soldiers Home	9.32	1952	Dalecarlia Reservoir	0.05	1985	National Arboretum																			
May	3.65	5/12/2008; 5/23/1975	National Arboretum; U.S. Soldiers Home	3.65	5/12/2008; 5/23/1975	National Arboretum; U.S. Soldiers Home	10.69	1889	2416 M St. NW	0.41	1939	2416 M St NW																			
Jun	7.37	6/26/2006	National Arboretum	7.37	6/26/2006	National Arboretum	14.26	2006	Dalecarlia Reservoir	0.51	1988	National Arboretum																			
Jul	5.10	7/9/1970	U.S. Soldiers Home	5.80	7/29-30/1878	1719 G St. NW	11.03	1975	National Arboretum	0.58	1957	National Arboretum																			
Aug	6.39	8/23/1933	2416 M St NW	7.31	8/11-12/1928	2416 M St NW	15.82	1955	Dalecarlia Reservoir	0.20	1962	U.S. Soldiers Home																			
Sep	6.95	9/14/1966	U.S. Soldiers Home	6.95	9/14/1966	U.S. Soldiers Home	17.45	1934	2416 M St NW	T	2019	National Arboretum																			
Oct	5.80	10/8/2005	Dalecarlia Reservoir	5.80	10/8/2005	Dalecarlia Reservoir	11.02	2005	Dalecarlia Reservoir	0.00	1963	2400 M St NW; U.S. Soldiers Home; National Arboretum																			
Nov	4.45	11/28/1993	Dalecarlia Reservoir	4.45	11/28/1993	Dalecarlia Reservoir	9.06	2018	Dalecarlia Reservoir	0.38	2016	National Arboretum																			
Dec	2.96	12/18/1977	U.S. Soldiers Home	2.96	12/18/1977	U.S. Soldiers Home	8.04	1969	National Arboretum	0.19	1885	1719 G St. NW																			
EXTREME	7.37	6/26/2006	National Arboretum	7.37	6/26/2006	National Arboretum	17.45	9/1934	2416 M St NW	0.00	10/1963	2400 M St NW; U.S. Soldiers Home; National Arboretum	<table border="1"> <thead> <tr> <th colspan="6">ANNUAL EXTREMES</th> </tr> <tr> <th>Max.</th> <th>Year</th> <th>Location</th> <th>Min.</th> <th>Year</th> <th>Location</th> </tr> </thead> <tbody> <tr> <td>74.10</td> <td>2018</td> <td>Dalecarlia Reservoir</td> <td>21.66</td> <td>1930</td> <td>2416 M St NW</td> </tr> </tbody> </table>	ANNUAL EXTREMES						Max.	Year	Location	Min.	Year	Location	74.10	2018	Dalecarlia Reservoir	21.66	1930	2416 M St NW
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74.10	2018	Dalecarlia Reservoir	21.66	1930	2416 M St NW																										

Data through 4/30/2026, Updated 5/1/2026

ANNUAL MINIMUM of 18.79" in 1826 (pre-National Weather Service) reported in the Washington, DC Local Climatological Data-Annual Summary publication of 1930, p. 1.

- DATA SOURCE:**
- 1) Local Climatological Data, Downtown (Washington, DC): <https://www.ncdc.noaa.gov/ips/cd/lcd.html>
 - 2) Maryland/Delaware Climatological Data: <https://www.ncdc.noaa.gov/ips/cd/cd.html>
 - 3) Applied Climate Information System (ACIS) database: <https://scacis.rcc-acis.org/>
 - 4) Maryland Weather Service, Vol. 1, Johns Hopkins Press, 1899. https://books.google.com/books/about/Maryland_Weather_Service.html?id=vdLAAAAYAAJ

- DATA NOTES:**
- 1) Actual 24-Hour amounts ceased being reported when the Local Climatological Data publications for the official Downtown DC station ended in October 1959.
 - 2) Reagan Washington National Airport is not included as it is in Virginia.
 - 3) The Table above only includes official National Weather Service stations. A station of unknown status that was reported to have exceeded the Table values above, per the Maryland Weather Service, Vol. 1 publication:
MONTHLY PRECIPITATION
- Kendall Green: 10.73" in 5/1889 (Northeast DC)
 - 4) The National Weather Service has recently begun recognizing the Community Collaborative Rain, Hail, and Snow Network (CoCoRaHS) as official stations when a state record has potentially been established. Only after research into each station's location, instrument siting/set-up, and observer interviews could the data then become official. If the following stations were to be declared official stations, their data, below, would supersede or tie the data in the above table:

MAXIMUM CALENDAR-DAY & 24-HOUR PRECIPITATION		
Washington 3.0 ENE:	7.37"	in 6/2006

MAXIMUM MONTHLY PRECIPITATION		
Washington 5.1 NW:	12.99"	in 7/2022
Washington 5.1 NW:	11.28"	in 5/2025
Washington 5.1 NW:	11.02"	in 10/2019

MINIMUM MONTHLY PRECIPITATION		
Washington 5.1 NW:	0.48"	in 6/2024

MAXIMUM ANNUAL PRECIPITATION		
Washington 5.1 NW:	75.81"	in 2020

This Annual Total would supersede the existing annual extreme within Washington, DC of 74.10" in 2018 at Dalecarlia Reservoir.

MAXIMUM DAILY PRECIPITATION WITHIN A SPECIFIC MONTH			
Washington 5.1 NW	January	3.53"	on 1/10/2024
Washington 5.1 NW	December	3.87"	on 12/18/2023

MAXIMUM PRECIPITATION WITHIN A SPECIFIC MONTH			
Washington 5.1 NW	January	8.75"	in 2024
Washington 5.1 NW	December	8.77"	in 2023

Washington, DC Precipitation Stations and Periods of Record	
Location	Period of Record
1) Downtown (pre-NWS)	10/1852-12/1852; 8/1853-7/1854; 4/1855-12/1859
2) Wisconsin Ave (Pre-NWS)	10/1860-12/1864; 9/1865-1/1866
3) Downtown	11/1/1870-12/31/1965
a) 1719 G St. NW	11/1/1870-8/14/1888
b) 1744 G St. NW	8/15/1888-3/21/1889
c) 2416 M St. NW	3/22/1889-3/4/1942
d) 2400 M St NW (24th & M)	3/5/1942-12/31/1965
4) Dalecarlia/Receiving Reservoir	11/1891-12/1905; 1/1946-12/1946; 8/1948-PRESENT
5) Distributing Reservoir (Georgetown)	11/1891-12/1905
6) American University	5/1917-10/1917
7) Howard University	5/1920-4/1921
8) Brightwood	11/1944-7/1948
9) Anacostia NAS	3/1945-12/1951; 9/1956-12/1956
10) National Arboretum	8/1948-PRESENT
11) U.S. Soldiers' Home	8/1948-12/1977
12) Bolling Field AFB	1/1949-7/1956

STATION DATA SOURCE: 1) NOAA, NCEI, "Local Climatological Data, Washington, DC - 24th & M St NW," 1957 Annual Summary, P.4; 2) NOAA, NCEI, "Maryland and Delaware Climatological Data" - numerous dates/years.