

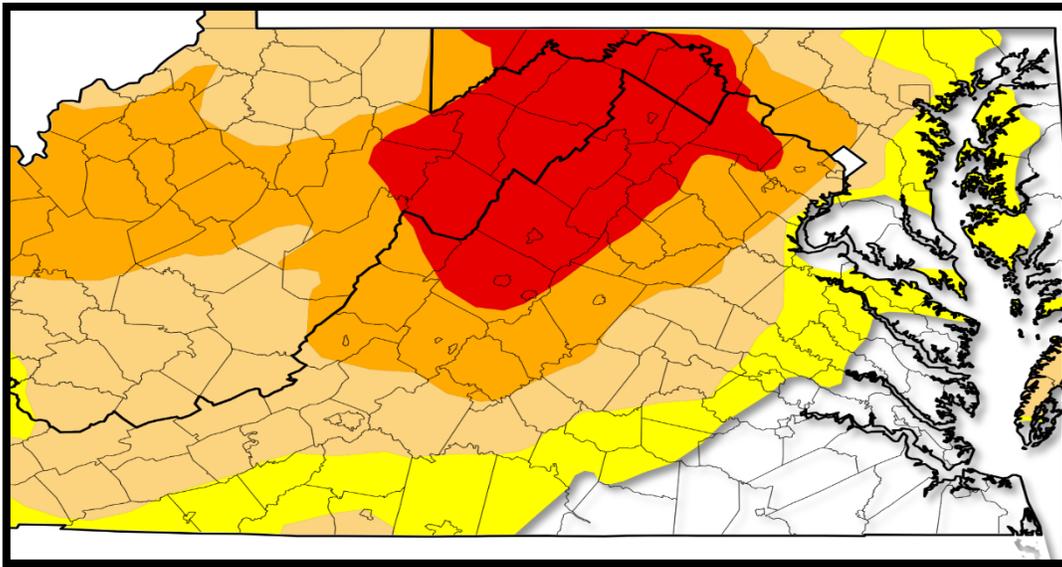


PRESTO



PREcipitation Summary and Temperature Observations
for the Washington, DC and Baltimore, MD Area

JULY 2024: Hot and Dry; Extreme Drought Develops



US [Drought Monitor](#) as of July 30, 2024. Areas of Extreme (D3) drought (red area) developed across much of the Shenandoah Valley and Potomac Highlands in WV. Severe drought (orange), Moderate drought (light brown) and abnormally dry (yellow) cover the rest WFO Baltimore/Washington's forecast area.

July Highlights

- ◆ **Month (temperature)** – 2nd warmest July on record for the Baltimore Area (+3.9°F), 3rd warmest at Dulles (+3.6°F) and 4th warmest on record for the Washington Area (+2.7°F)
- ◆ **Month (precipitation)** – Driest July since 1983 and the 11th (tied) driest July in Baltimore's 154-year record (-3.07"), Dulles was 1.49" below normal while Washington finished the month 0.49" above normal
- ◆ **4th** – 60 mph thunderstorm wind gust Mount Crawford (Rockingham Co.), VA
- ◆ **6th** – Record high minimum temperatures at BWI (81°F) and IAD (76°F)
- ◆ **14–16th** – Record highs at DCA each day (101°F, 102°F and 104°F), BWI (101°F (tied), 102°F, and 104°F (tied), and on the 14th and 15th at IAD (98°F (tied) and 99°F)
- ◆ **14th** – Thunderstorm wind damage around the metros and eastward, 68 mph wind gust recorded at Saunders Point Light
- ◆ **15th and 17th** – Widespread thunderstorm wind damage including a 62 mph gust in Hampstead (Carroll Co.), MD (15th) and a 61 mph gust in Spotswood (Augusta Co.), VA (17th)
- ◆ **29th and 31st** – Thunderstorm wind gusts to 63 mph offshore of Aberdeen Proving Ground (Harford Co.), MD (29th) and a 61 mph gust at Andrews AFB (Prince George's Co.), MD (31st)

July Summary

Temperatures: July was another hot month in 2024 with well above average temperatures. It was the 2nd warmest July on record for Baltimore (+3.9°F) and 3rd warmest at IAD (+3.6°F) while Washington (+2.7°F) recorded its 4th warmest July. The 14th through the 17th proved to be the hottest stretch with widespread record high temperatures and some places reaching 100°F or more for the first time since 2012. DCA and BWI had 4 consecutive days with high temperatures of 100°F or more. Washington has observed only two other 4-day stretches with 100°F plus temperatures: July 19-22, 1930 and July 5-8, 2012; Baltimore has only recorded one other such period, July 19-22, 1930.

Precipitation: Dry weather persisted for most of the month, especially in the Shenandoah Valley and Potomac Highlands of West Virginia where Extreme Drought conditions developed by the end of the month (See cover picture above). You can monitor the latest drought conditions [here](#). Following only two days that measured over 0.16", and none that exceeded 0.47", July was the 11th (tied) driest on record at Baltimore with a departure of -3.07". IAD observed a mere 0.56" over July's last two weeks and finished 1.49" below normal for July. DCA received ample late-month rainfalls (1.57" on the 22nd, 1.28" on the 25th) which guided an above normal month (+0.49").

July 2024 Weather Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	Avg Max	Avg Min	Avg Temp	Normal	Normal Depart	Max/Day	Min/Day	Total	Normal	Normal Depart	2024 Precip/Dep from Nml
National (DCA)	92.4	75.0	83.7	81.0	+2.7	104/16*	65/1	4.82	4.33	+0.49	24.51 / -0.15
Baltimore (BWI)	92.4	72.1	82.2	78.3	+3.9	104/16*	62/1	1.41	4.48	-3.07	23.10 / -2.59
Dulles (IAD)	91.6	70.1	80.8	77.2	+3.6	101/16*	58/2	2.66	4.15	-1.49	20.65 / -5.04

*Daily Record

Looking Ahead: Normal Temperature and Precipitation for August

Location	Station Temperatures (°F)			Extreme/Day		Precipitation (In.)		
	Max	Min	Month Average	Record Max/Date	Record Min/Date	Normal	Precip Max/Year	Precip Min/Year
National (DCA)	87.8	71.0	79.4	106/6/1918	49/29/1986*	3.25	14.41/1928	0.55/1962
Baltimore (BWI)	86.5	65.8	76.2	105/20/1983*	45/30/1986	4.09	18.35/1955	0.64/1877
Dulles (IAD)	86.3	65.2	75.7	104/20/1983	38/29/1982	3.53	10.71/1984	0.44/1998

*Latest of more than once occurrence

Latest Drought Conditions are found on the University of Nebraska-Lincoln's webpage:
<https://droughtmonitor.unl.edu/>