

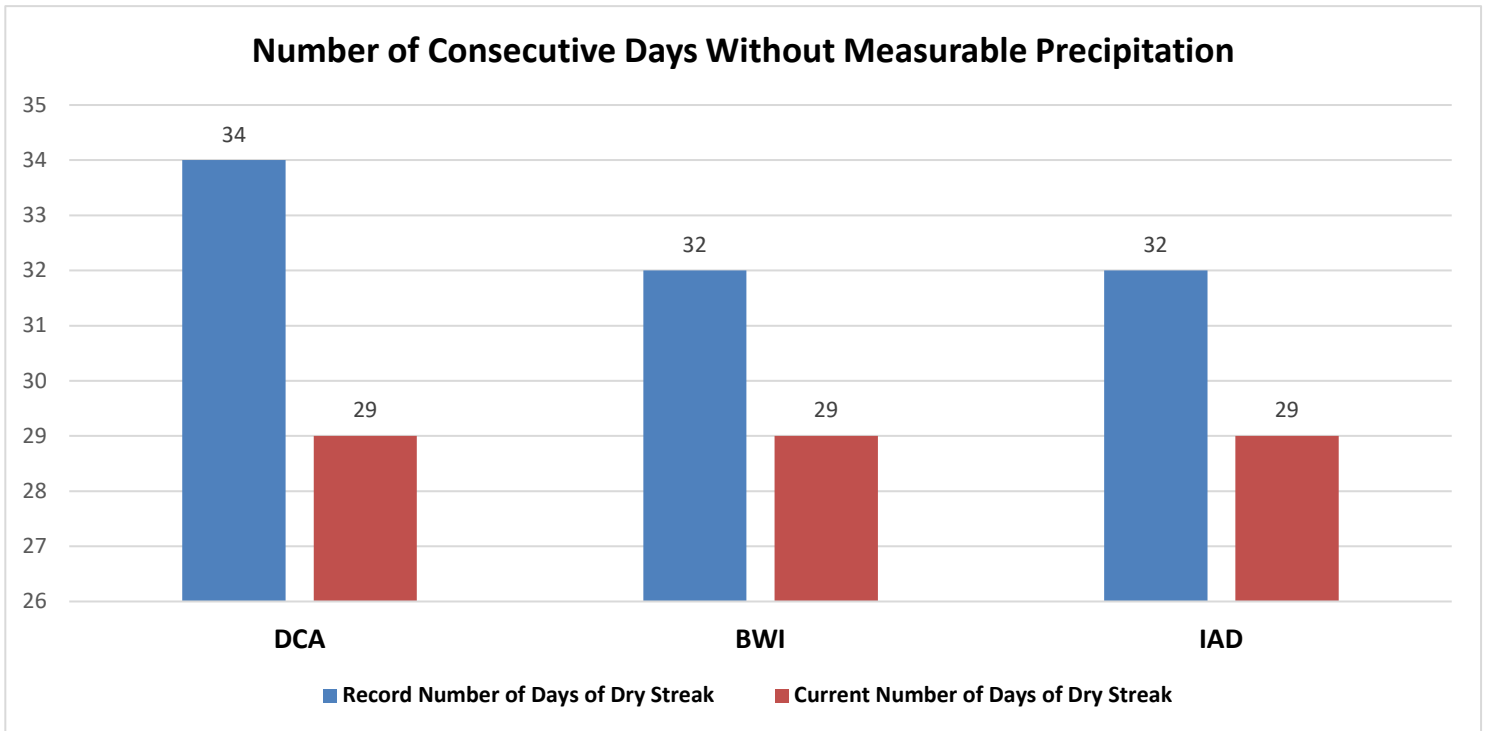


PRESTO



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

OCTOBER 2024: Well Below Normal Precipitation; Slightly Above Normal Temperatures



At the end of October, DCA, BWI and IAD had not received any measurable precipitation (greater than a trace) for 29 consecutive days. The record number of days without measurable precipitation for each station is shown in blue. The record for DCA occurred from Sep. 15 through Oct. 18, 2007 while the records for BWI and IAD both occurred from Sep. 30 through Oct. 31, 1963

October Highlights

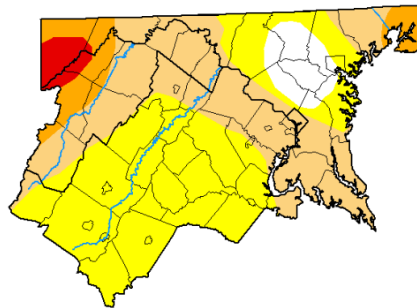
- 🌧️ **Month (temperature)** – Temperatures were generally slightly above average although BWI observed a negative monthly temperature anomaly of -1.2°F ; DCA was 2.2°F above normal in monthly temperature while IAD was 1.6°F above normal
- 🌧️ **Month (precipitation)** – October was a dry month with only a few days of rain; Dulles had its 3rd driest October on record and BWI had its 8th driest; the monthly anomalies were BWI $-3.58''$, IAD $-3.52''$ and DCA $-2.18''$
- 🌧️ **16th- 21st** – Most areas outside of Washington DC observed the first frost/freeze of the season during the period with many areas observing frost each morning
- 🌧️ **31st** – Record high temperatures of 83°F at IAD and Martinsburg, WV

October Summary

Temperatures: On most days, the range between the daily low and high temperatures was much greater than normal. A few days observed a 40°F or more difference. Typical difference for this area is 20-25°F. As a result, daytime high temperatures generally averaged well above normal while the lows averaged below normal. Monthly temperature anomalies were positive for DCA (+2.2°F) and IAD (+1.6°F) while BWI had a negative anomaly (-1.2°F). There were record highs on the 31st at IAD and Martinsburg, WV as both reached 83°F.

Precipitation: October was very dry. There was widespread rain on the first 2 days of the month, including 1.46" at DCA on the 1st but only trace amounts after that for most places. DCA, BWI and IAD ended the month with 29 consecutive days without measurable (greater than a trace) precipitation. The record for such a dry streak for DCA is 34 days (Sep. 15 – Oct. 18, 2007) and 32 days for BWI and IAD (both Sep. 29 – Oct. 31, 1963). IAD only had 0.13" of precipitation making it the 3rd driest October on record (Trace in 1963 was the driest). BWI had its 8th driest October on record (Trace in Oct. 1963 is the driest) with only 0.36". DCA was well below normal but did manage 1.48" of precipitation. Moderate to severe drought conditions developed across parts of the area by the end of the month.

U.S. Drought Monitor Baltimore, MD/ Washington, DC WFO



October 29, 2024
(Released Thursday, Oct. 31, 2024)
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	6.22	93.78	46.30	10.27	2.91	0.00
Last Week 10-22-2024	28.92	71.08	24.62	9.88	2.91	0.00
3 Months Ago 07-30-2024	7.33	92.67	83.94	72.16	44.82	0.00
Start of Calendar Year 01-01-2024	30.93	69.07	32.89	8.96	0.00	0.00
Start of Water Year 10-01-2024	35.46	64.54	30.65	13.02	2.98	0.00
One Year Ago 10-31-2023	17.44	82.56	41.95	22.85	0.00	0.00

Intensity
 None
 D0 Abnormally Dry
 D1 Moderate Drought
 D2 Severe Drought
 D3 Extreme Drought
 D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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droughtmonitor.unl.edu

October Statistics:

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	Av Max	Av Min	Avg T	Nml T	ΔNml	Max	Min	Total	Normal	Departure from Normal	Yearly Precip.
National (DCA)	73.0	53.0	63.0	60.8	2.2	83/31	44/28**	1.48	3.66	-2.18	32.88
Baltimore (BWI)	69.5	42.8	56.2	57.4	-1.2	81/22	31/28	0.36	3.94	-3.58	31.71
Dulles (IAD)	72.0	44.4	58.2	56.6	1.6	83*/31	31/28	0.13	3.65	-3.52	29.18

Looking Ahead: Normals for November

Location	Station Temperature (°F)			Extreme/Day		Precipitation (inches)			
	Max	Min	Monthly	Record Max/Date/Yr	Record Min/Date/Yr	Normal	Precipitation Max/Year	Precipitation Min/Year	Monthly Snow Nml / Max/Year
National (DCA)	58.2	41.6	49.9	86/1/1974	11/30/1929	2.91	7.57/2018	0.29/1981	0.1 / 11.5/1987
Baltimore (BWI)	57.3	36.5	46.9	86/1/1950	12/30/1929	3.13	8.14/2018	0.31/1981	0.1 / 9.7/1898
Dulles (IAD)	56.5	35.6	46.0	84**/1/1982	9/24/1989	3.13	7.83/1963	0.24/1981	0.3 / 11.4/1967

* - Daily record

**Latest of more than one occurrence