

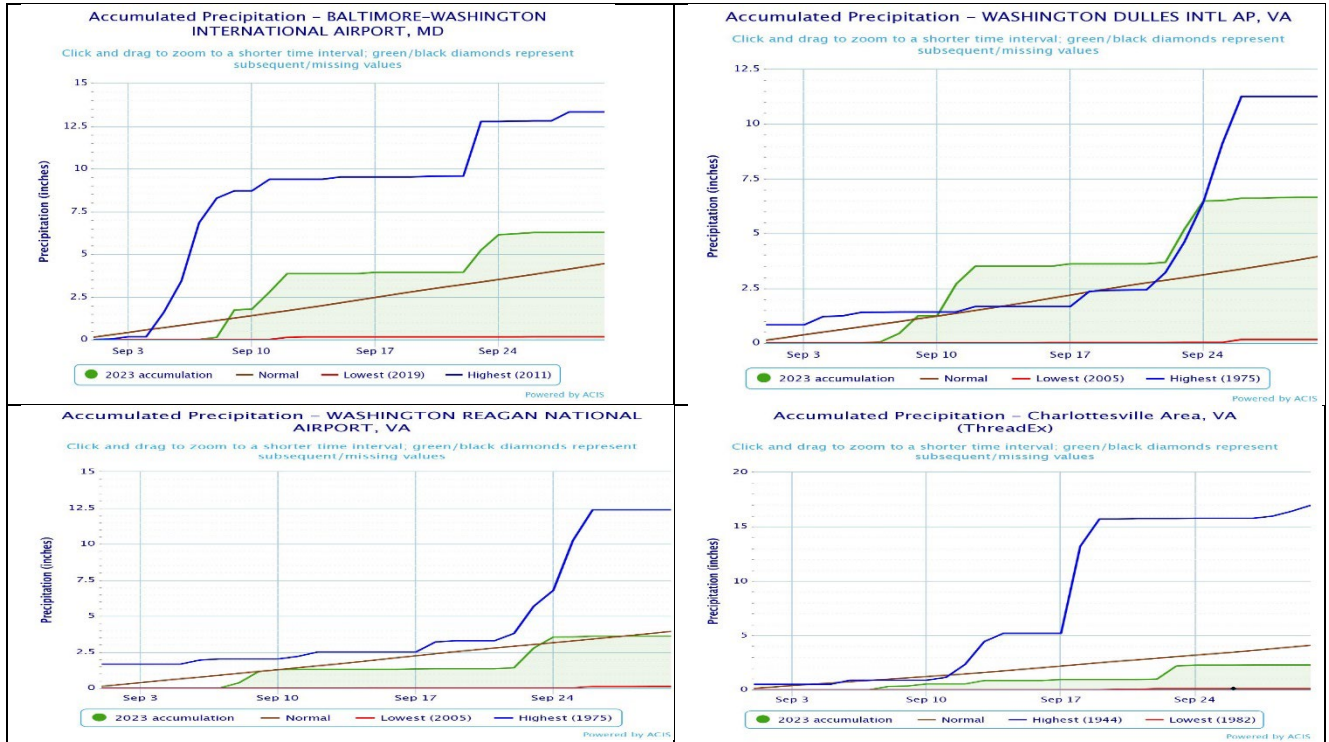


PRESTO



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

September: Warm; Wet East, Drier West Pattern Continues



Accumulated precipitation during September 2023 for BWI (upper left), IAD (upper right), DCA (lower left), and Charlottesville, VA (lower right). IAD was well above normal (2.71 inches), while Charlottesville was 1.81 inches below normal

September Highlights

- Month (temperature)** – September was a warm month overall, with IAD being 2.8F above normal, BWI 2.7F above normal, and DCA being 1.0F above normal. However, Martinsburg, WV was slightly below normal, and Hagerstown, MD was near normal.
- Month (precipitation)** – IAD and BWI were well above normal, while DCA and stations in the western part of the area were near normal. Charlottesville, VA was the outlier, being 1.81 inches below normal.
- 3rd - 7th** – Record heat across the area. **IAD:** Daily records on the 3rd, 4th, 5th, 6th, and 7th of 99F, 99F, 99F, 100F, and 97F. The 100F on the 6th is an all-time monthly record for September. The previous record was 99 set in 1980 and 1983. **BWI:** Daily records on the 4th, 5th, and 6th of 99F, 99F, and 100F. **DCA:** Daily records on the 4th, 5th, and 6th of 98F, 99F, and 98F. The 98F on the 6th tied the daily record.
- 6th, 7th, 8th and 9th** – Widespread large hail and wind damage, including a 75 mph wind gust and 1.25 inch diameter hail in Falling Waters, WV (7th). On the 8th, 1.5-inch hail fell at the NWS office in Sterling, and a 71 mph wind gust occurred in Arcola, VA (Loudon County).

- ☁ 11th – Daily record rainfall at IAD of 1.45 inches.
- ☁ 13th – Widespread flooding and thunderstorm wind damage across eastern MD and VA.
- ☁ 23rd – Martinsburg, WV set a record daily low maximum temperature of 59F.
- ☁ 23rd and 24th – Tropical Storm Ophelia brought flooding rains, coastal flooding, and strong wind gusts.

September Summary

Temperatures: The month started off blazing hot with several daily records being set from the 3rd through the 7th (see highlights). IAD hit 100F on the 6th setting the all-time highest temperature record for September. Most stations ended up above normal for the month despite a cool down from the middle to the end of the month. However, Martinsburg was 1.0F below normal for the month and set a record low daily maximum temperature of 59F on the 23rd.

Precipitation: Most of the area received near normal or above normal rainfall for the month thanks in large part to Tropical Storm Ophelia on the 23rd and 24th. The heaviest rainfall for the month occurred around IAD, which was 2.71 inches above normal in rainfall. Areas around Charlottesville were the driest, as Charlottesville was 1.81 inches below normal for the month.

Below are the yearly rainfall anomalies (through the end of September). Moderate to severe [drought](#) continues across western parts of the area, while areas around the metros are getting closer to normal for the year.

Charlottesville	-13.07 inches
Martinsburg	-10.42 inches
Hagerstown	-8.20 inches
IAD	-7.29 inches
DCA	-5.75 inches
BWI	-3.05 inches

September Stats:

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	Avg. Max	Avg. Min	Avg. Temp	Normal Temp	Departure from Normal	Max	Min	Total	Normal	Departure from Normal	Yearly Precip
National (DCA)	81.6	65.1	73.4	72.4	1.0	99**/5	55/28	3.60	3.93	-0.33	26.09
Baltimore (BWI)	81.4	62.3	71.9	69.2	2.7	100**/6	52/20	6.27	4.44	1.83	31.17
Dulles (IAD)	82.1	60.6	71.4	68.6	2.8	100*/6	49/16, 20	6.65	3.94	2.71	25.87

* - Monthly record ** - Daily record

Looking Ahead: Normals for October

Location	Station Temperatures (°F)			Extreme/Day		Precipitation (inches)			Monthly Snow Max/Year
	Max	Min	Monthly	Record Max/Date/Year	Record Min/Date/Year	Normal	Precip. Max/Year	Precip. Min/Year	
National (DCA)	69.4	52.2	60.8	98/2/2019	26/30, 31/1917*	3.66	9.41/2005	Trace/1963	2.2/1925
Baltimore (BWI)	68.3	46.5	57.4	98/2/2019	25/24/1969	3.94	9.23/2005	Trace/1963	2.4/1925
Dulles (IAD)	67.8	45.3	56.6	96/2/2019	15/24/1969	3.65	9.22/2005	Trace/1963	1.3/1979

* - Latest of more than one occurrence