



# PRESTO

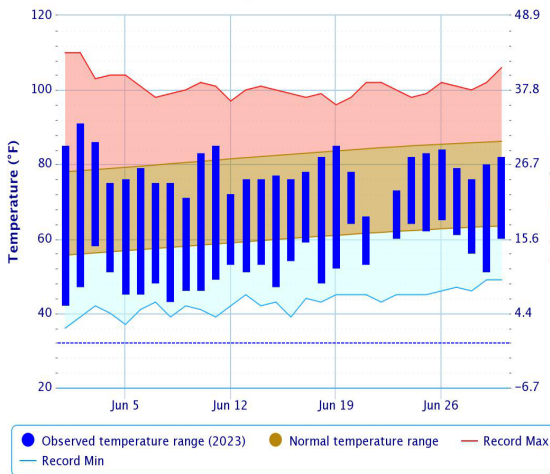


## PRECipitation Summary and Temperature Observations for the Washington, DC and Baltimore, MD Area

### June: A Cool and Dry Month

Daily Temperature Data – Martinsburg Area, WV (ThreadEx)

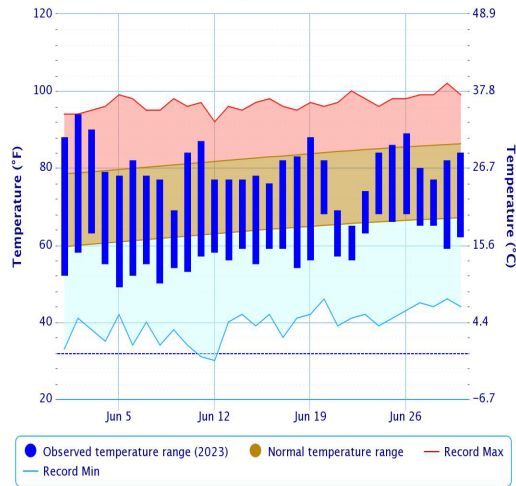
Period of Record – Max temperature: 1891–11–10 to 2023–07–06; Min temperature: 1891–11–01 to 2023–07–06. Normals period: 1991–2020. Click and drag to zoom chart.



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Daily Temperature Data – Hagerstown Area, MD (ThreadEx)

Period of Record – 1899–01–01 to 2023–07–06. Normals period: 1991–2020. Click and drag to zoom chart.



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Daily temperatures during June 2023 at Martinsburg, WV (left) and Hagerstown, MD (right). The monthly average temperature at Martinsburg was 5.3F below normal during June while the departure from normal at Hagerstown was -3.7F. The three primary climate stations were also below normal as well but not as extreme; DCA -2.2F, IAD -1.9F and BWI -1.6F.

## June Highlights

- ☁ **Month (temperature)** – Cool with negative anomalies of -2.2F at DCA, -1.9F at IAD, and -1.6F at BWI. Martinsburg had the lowest average monthly minimum temperature for June with 52.9F. The previous record was 53.2F in 1927.
- ☁ **Month (precipitation)** – Another dry month for most areas, but Baltimore was near average. Rainfall anomalies...DCA -2.10 inches, IAD -2.00 inches, and BWI +0.33 inches.
- ☁ **2<sup>nd</sup>**– BWI set a record high temperature of 97F, while IAD set a record high of 93F.
- ☁ **8<sup>th</sup>** – Poor air quality (code purple) for much of the local area. There were many days during June which had very poor air quality due to smoke from large wildfires in Canada being transported into the local area via a general northwest flow aloft for much of the month.
- ☁ **16<sup>th</sup>** – Marine Thunderstorm wind gust of 49 mph 6 miles SSE of Fishing Creek, MD. Widespread hail up to 1.75 inches in diameter in Flat Run, VA (Orange County).
- ☁ **19<sup>th</sup>** – Widespread thunderstorm wind damage across central VA.
- ☁ **23<sup>rd</sup>** – IAD tied a record low maximum temperature of 66F.
- ☁ **26<sup>th</sup> and 27<sup>th</sup>** – Widespread strong winds, hail both days...1.5 inch hail fell in Montevideo, VA (Rockingham County) on the 26th. Also on the 26<sup>th</sup>, a 54 mph wind gust was observed 8 miles east of Smith Island, MD (over the Chesapeake), and a 52 mph wind gust was recorded 1 mile south of Baltimore. On the 27<sup>th</sup>, 1.25 inch hail fell in Odenton, MD, and there was a 52 mph wind gust 3 miles SE of Highland Beach.

## June Summary

### Temperatures:

Despite record high temperatures early in the month at BWI and IAD, June was a cool month overall. The coolest areas were west of the metros in eastern WV and western MD, where morning lows in the 40s were common during the first half of the month. Martinsburg's monthly average temperature was 5.3F below normal, while Hagerstown, MD was 3.7F below normal during June. Anomalies for the monthly average temperatures for June were -2.2F at DCA, -1.9F at IAD, and -1.6F at BWI. Martinsburg had the lowest average monthly minimum temperature on record for June with 52.9F. The previous record was 53.2F in 1927.

### Precipitation:

June continued the dry trend for 2023. Most locations were well below normal for rainfall; however, BWI had some rains late in the month which pushed the totals to slightly above average. Rainfall anomalies for June were -2.10 inches at DCA, -2.00 inches at IAD, and +0.33 inches at BWI.

The yearly rainfall anomalies (through the end of June) continue to range between 6 to 10 inches. For the first half of the year (January through June), IAD had its 2nd driest first half of the year on record, DCA had its 4th driest, and BWI had its 7th driest on record.

The yearly precipitation anomalies for sites across the area are:

IAD	-9.26 inches
Martinsburg	-8.67 inches
DCA	-8.01 inches
Hagerstown	-7.62 inches
BWI	-6.88 inches

As of July 6, 2023, moderate to severe [drought](#) has developed across almost all of our area.

### June Stats:

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	Av Max	Av Min	Avg T	Nml T	ΔNml	Max	Min	Total	Nml	Nml Dep	Yearly Precip
National (DCA)	83.7	64.4	74.1	76.3	-2.2	94/2	58/10	2.10	4.20	-2.10	12.32
Baltimore (BWI)	83.7	60.2	72.0	73.6	-1.6	97*/2	51/10	4.31	3.98	0.33	14.33
Dulles (IAD)	82.9	58.3	70.6	72.5	-1.9	93*/2	50/9,10	2.30	4.30	-2.00	12.28

\* - Record

### Looking Ahead: Normals for July

Location	Station Temperatures (°F)			Extreme/Day		Precipitation (inches)		
	Max	Min	Monthly	Record Max/Date	Record Min/Date	Nml	Precip. Max/Year	Precip. Min/Year
National (DCA)	89.6	72.4	81.0	106/20/1930	52/4/1933	4.33	11.06/1945	0.82/1872
Baltimore (BWI)	88.8	67.7	78.3	107/10/1936	50*/3/2001	4.48	16.73/2018	0.30/1955
Dulles (IAD)	87.6	66.8	77.2	105/22/2011	41/01/1988	4.15	11.21/2018	0.86/1962

\* - Latest of more than one occurrence