

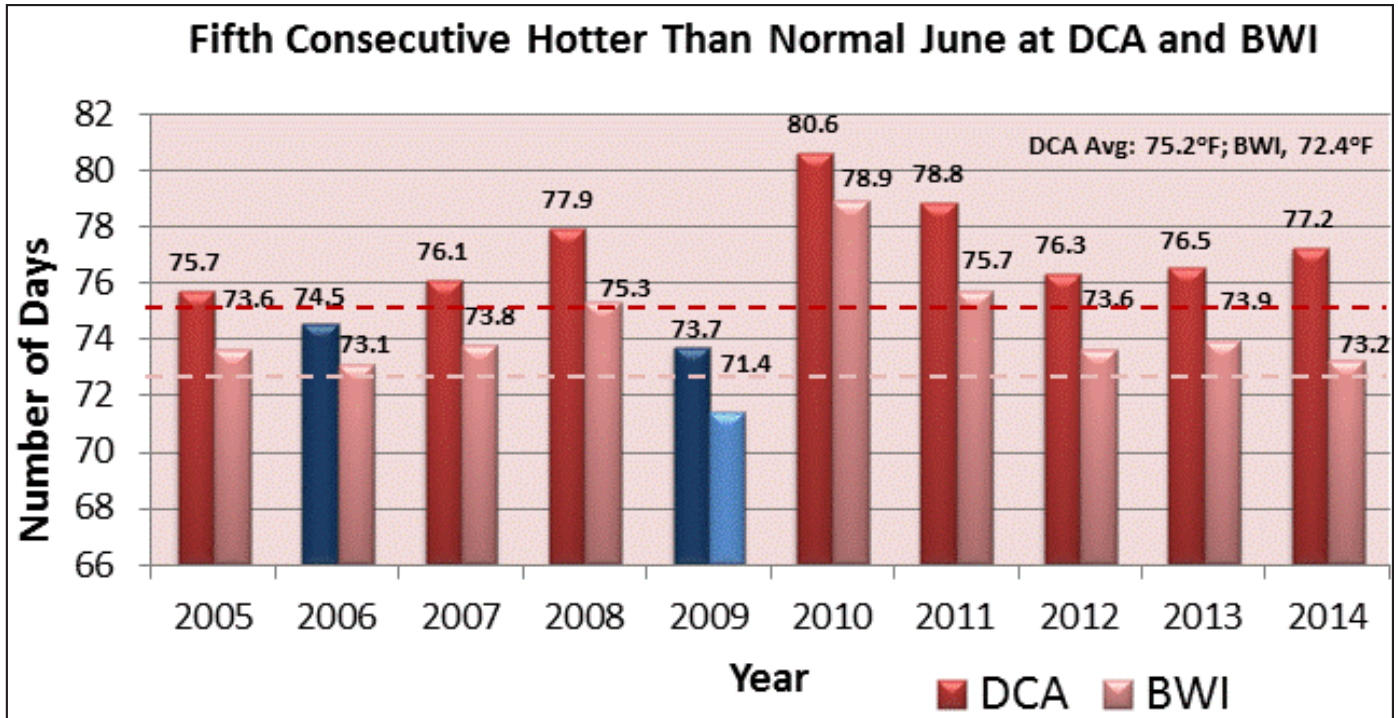


PRESTO

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



June 2014: Above Normal Temperatures in Washington; Frequent Severe Weather and Flooding



June Highlights

- Normal to above normal temperatures: DCA, +2.0°F; BWI, +0.8°F, IAD, 0.0°F at IAD
- Fifth consecutive June with above normal readings at DCA and BWI
- Mini heat wave from the 16th-18th with temperatures at or above 90°F; DCA reported a record 97°F on the 17th
- On the 8th, an EF-1 tornado struck Martinsburg, WV, with estimated wind speeds of 90 mph, path length of 1 mile and width of 100 yards, causing tree and property damage
- On the 10th, torrential downpours caused flooding in Berwyn Heights, (Prince Georges County), MD. The area was inundated with 4"-5" of rain in 2 hours, resulting in 24 water rescues and forcing residents to evacuated two dozen homes, according to press reports
- A stormy 19th with early morning thunderstorms resulted in frequent cloud to ground lightning and power loss to a reported 22,000 customers. Severe weather reports from the storms included 1.25" hail in Park Heights, (Baltimore City), MD, wind gusts to 64 mph near North Beach (Ann Arundel County), MD, and 0.88" hail near Manassas (Prince William County), VA. During the afternoon, areas south and east of Washington were hit again with hail measuring 1.75" in Pine Grove (Page County), VA, 1.25" near Big Meadows (Madison County), VA, and a funnel cloud was observed near Clinton, (Prince Georges County), MD

June 2014

Temperatures: The three major airports reported normal to above normal temperatures: DCA, +2.0°F; BWI, +0.8°F; and exactly normal at IAD. The month featured one mini heat wave from the 16th-18th when temperatures reached or exceeded 90°F. DCA reported a record 97°F on the 17th. Maximum readings were 80°F or greater on all but 3 days at DCA, 6 days at BWI, and 8 days at IAD. DCA's minimum readings were uncomfortably warm, at or above 70°F, on 14 days including a sultry 77°F on the 18th, equaling a record. IAD established a record high minimum for 18th and 19th, 71°F.

The month's coolest readings at BWI and IAD occurred on the 1st when both airport recorded a 50°F minimum. BWI recorded only 3 days with highs at or above 90°F, the fewest since 2004, while DCA reported 4 such days, the fewest since 2009. Despite the relatively low number of scorchingly hot days, it was the 5th consecutive June with above normal readings at DCA and BWI. DCA recorded 9 of last 10 years with above normal temperatures; BWI, 8 of last 10 (see cover).

Precipitation: Monthly rainfall was highly variable due to the isolated nature and intensity of showers and thunderstorms. Totals were subnormal at DCA, 3.31" (-0.47"), and above normal at BWI, 3.95" (+0.49") and IAD, 4.62" (+0.64"). Strong to severe thunderstorms impacted the region on numerous days.

On the 8th, an EF-1 tornado struck Martinsburg, WV, with estimated wind speeds of 90 mph. The tornado's path length was 1 mile and its width, 100 yards, causing tree and property damage. Closer to the metro area, IAD was deluged with a calendar day rainfall record, 1.71".

Two days later on the 10th, torrential downpours caused flooding in Berwyn Heights, (Prince Georges County), MD. The area was inundated with 4"-5" of rainfall in just 2 hours, resulting in 24 water rescues and forcing residents to evacuate two dozen homes, according to press reports. The following day, 2.58" of rain in Potomac, (Montgomery County), MD, led to flash flooding and water rescues. In Virginia, golf ball size hail (1.75") damaged a truck near Hayfield (Frederick County). On the 12th, flash flooding occurred in Leesburg, (Loudoun County), VA while 3.28" deluged Annapolis, (Ann Arundel County), MD. The following day capped off a stormy week with flash flooding in Fells Point, (Baltimore City), MD, and 1.60" at Baldwin, (Baltimore County).

After a few tranquil days, severe weather returned in isolated locations on the 16th resulting in 1.0" hail near Myersville, (Frederick County), MD, and a tree down from thunderstorm winds in Flint Hill, (Rappahannock County), VA.

Strong thunderstorms caused frequent cloud to ground lightning across most the area after midnight on the 19th, resulting in loss of power to a reported 22,000 customers. The storms produced 1.25" hail in Park Heights, (Baltimore City), MD, wind gusts to 64 mph near North Beach (Ann Arundel County), MD, and 0.88" hail near Manassas, (Prince William County), VA. Later that day, an area east of Washington also marked severe weather. Hail measured 1.75" in Pine Grove (Page County), VA, and 1.25" near Big Meadows, (Madison County), VA; a funnel cloud was observed near Clinton, (Prince Georges), MD.

The month's last bout of strong to severe thunderstorms occurred on the 25th when trees were downed by strong winds near Laurel and Largo, MD, while BWI established a daily rainfall record of 1.50".

June 2014 Weather Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	AvMx	AvMin	AvgT	NmlT	DepNml	Max	Min	Total	Nml	DepNml	YTD
National (DCA)	85.6	68.8	77.2	75.2	+2.0	97/17	58/2	3.31	3.78	-0.47	25.60
Baltimore (BWI)	83.0	63.3	73.2	72.4	+0.8	96/18	50/1	3.95	3.46	+0.49	27.57
Dulles (IAD)	82.3	62.5	72.4	72.4	0.0	91/17,18	50/1	4.62	3.98	+0.64	28.97

Looking Ahead to July: With June behind us, what does mid-summer hold? Below are some noteworthy July statistics for DCA: Normal Average Temperature: 79.8°F; Normal Monthly Precipitation: 3.73".

DCA Temperature

Hottest: 2012 (High Temperature: 104°F)
Coolest: 1897 (Minimum Temperature: 43.0°F)
Most 90°F+ days: 25 (2011)
Fewest 90°F+ days: 0 (1891)
Most 100°F+ days: 7 (2012)
Longest consecutive period of 90°F days: 16 (July 3-18, 1993)
Longest consecutive period of 100°F+ days: 4 (July 19-22, 1930, July 5-8, 2012)
Record monthly high: 106°F (July 20, 1930, tied with August 6, 1918)
Record monthly low: 52°F (July 4, 1919 and July 31, 1895)

DCA Precipitation

Wettest: 1945 (Precipitation Total: 11.06")
Driest: 1872 (Precipitation Total: 0.82")
Record daily rainfall: 4.69" (July 9, 1970)