

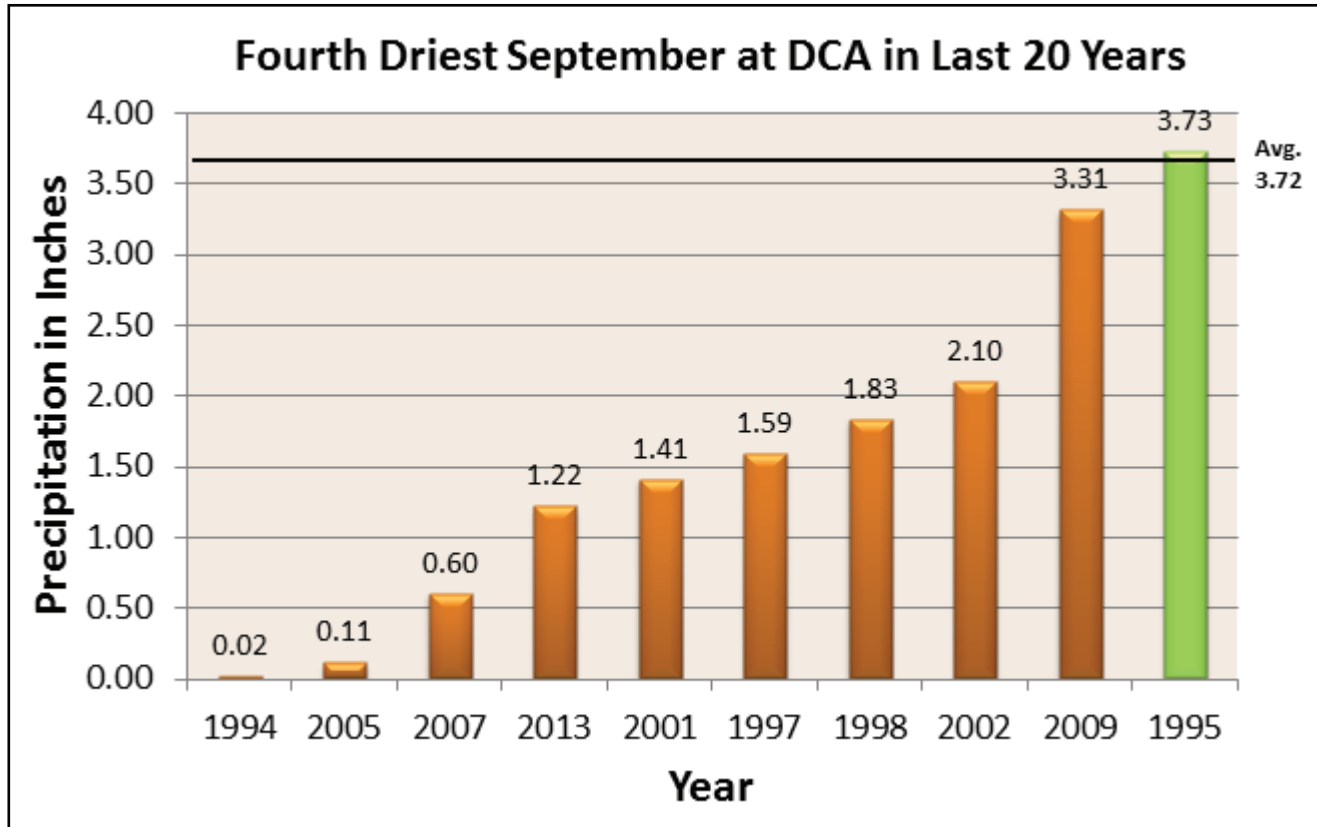


PRESTO

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



SEPTEMBER 2013: Near Normal Temperatures, Quite Dry with One Severe Weather Outbreak



September Highlights

- ☁ Near normal temperatures at the three major airports: DCA, +0.3°F; BWI, -0.1°F; IAD, -1.1°F
- ☁ Summerlike heat on the 11th: 95°F at BWI; 94°F at DCA and IAD
- ☁ DCA set a record high minimum temperature of 76°F on the 11th
- ☁ DCA observed 6 of the first 12 days of the month with highs above 90°F
- ☁ Cool mornings were observed in the latter half of month including 40°F at IAD on the 18th
- ☁ IAD recorded 12 days with minimums in the 40s, BWI recorded 9 such days
- ☁ Subnormal precipitation with much of the area recording less than 2": DCA, 1.22"; BWI, 1.65"; IAD, 1.61"
- ☁ Strong to severe thunderstorms impact portions of area on the 11th with wind damage knocking down trees near Taylorstown (Loudoun County), VA, and in Rockville (Montgomery County), MD; hail struck Reisterstown (0.88") (Baltimore County), MD, and in Potomac (0.75") (Montgomery County), MD. Torrential downpours overflowed a tributary of Cabin John Creek resulting in flooded roads near Congressional Manor in Montgomery County. Greatest rainfall totals: 3.10" in Potomac, 2.05" in Dundalk (Baltimore County), MD, and 1.26" in Rixeyville, VA (Culpeper County)

September 2013

Temperatures: The month brought near normal to subnormal average temperatures at the three major airports: DCA, +0.3°F; BWI, -0.1°F; IAD, -1.1°F. Summerlike heat was prevalent during the first 12 days of the month; DCA recorded 6 days above 90°F. The area's monthly maximum occurred on the 11th when temperatures soared to 95°F at BWI and 94°F at DCA and IAD. In sharp contrast, on the 23rd highs remained in the 60s, marking the month's coolest readings.

Minimum temperatures followed a similar path for the month. DCA recorded 6 days with minimums at or above 70°F during the first 12 days of the month including a record 76°F on the 11th. Then from the 14th through month's end, IAD reported 11 days with minimums less than 50°F, including a chilly 40°F on the 18th. The three major airports average minimum temperatures were 61.7°F, DCA; 56.2°F, BWI; and 54.3°F at IAD. These minimums are the coolest September readings since 2006 at DCA and BWI (tied with 2006), and since 2001 at IAD.

Precipitation: September was significantly drier than normal throughout much of the area, including the three major airports, which reported monthly totals below 2": DCA, 1.22" (-2.50"); BWI 1.65" (-2.38"), and IAD 1.61" (-2.31").

The majority of the month's rainfall occurred on the 12th and 21st. The event on the 12th included strong to severe thunderstorms that resulted in wind damage, knocking down trees near Taylorstown (Loudoun County), VA, and in Rockville (Montgomery County), MD. Hail measuring 0.88" was observed in Reisterstown (Baltimore County), MD, and 0.75" in Potomac (Montgomery County), MD. Torrential downpours accompanied the thunderstorms when a tributary of Cabin John Creek overflowed, flooding Bradley Blvd. near Congressional Manor in Montgomery County. The largest rainfall amounts were 3.10" in Potomac, 2.05" in Dundalk (Baltimore County), MD, and 1.26" in Rixeyville (Culpeper County), VA. One injury was reported at BWI when lightning struck an employee while he was shutting down a generator at the airport tower, according to press reports.

Then on the 21st, rain developed by mid-afternoon and became heavy at times before ending late evening. Over an inch of precipitation soaked many locations, including 1.45" in northwest DC, 1.37" in Takoma Park (Montgomery County), MD, and 1.30" at IAD.

Some locations also reported heavy showers on the 1st including 1.55" in Mt. Airy, MD (Carroll County) and 1.26" in Woodbridge, VA (Prince William County).

September 2013 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)	80.9	61.7	71.3	71.0	+0.3	94/11	51/24	1.22	3.72	-2.50	29.54
Baltimore (BWI)	79.2	56.2	69.2	69.3	-0.1	95/11	43/24	1.65	4.03	-2.38	27.22
Dulles (IAD)	79.4	54.3	66.8	67.9	-1.1	94/11	40/18	1.61	3.92	-2.31	29.46

Looking Ahead to October: The first freeze! October traditionally marks the first freeze in suburban locations. When will the Washington/Baltimore area record its first freeze in 2013? Below is a list of the first 32°F or lower readings at DCA and IAD in the last 10 years.

Year	First 32°F (or lower) reading		Year	First 32°F (or lower) reading	
	DCA	IAD		DCA	IAD
2012	November 26	October 13	2007	November 24	October 29
2011	December 10	October 30	2006	November 4	November 15
2010	November 29	November 1	2005	November 17	November 11
2009	December 6	November 6	2004	December 4	October 18
2008	November 18	October 20	2003	November 10	October 3
* Latest first frost at DCA: 12/22/01; at IAD, 11/11/05					