

NOVEMBER 2007

Temperature: The final month of meteorological autumn featured slightly above normal readings. Positive departures were +1.1°F at DCA, +0.7°F at BWI, and +0.9°F at IAD. DCA recorded its 6th month in the past seven with above normal readings. The months' warmest temperatures occurred on the 21st and 22nd when highs soared into the 70s across the area. Highs reached a record 76°F at IAD on the 21st; on the 22nd, DCA recorded a record high of 77°F and IAD, 75°F. BWI equaled its record with a max of 74°F on the 22nd. November featured numerous days with chilly maximum readings. Highs were at or below 50°F on 8 days at BWI and IAD and on 7 days at DCA. Minimum readings were relatively mild. DCA recorded its first freeze on the 24th, while minimums were at or below freezing on 9 days at IAD and 8 at BWI. The months' coldest readings occurred on the 24th when many suburban locations recorded minimums in the low 20s, including 20°F at IAD.

Precipitation: Subnormal rainfall was observed across the region with amounts generally between one to two inches. DCA measured 1.46", (-1.57"); BWI, 1.52" (-1.60"); and IAD recorded 1.49" (-1.82"). DCA and IAD recorded their 9th month in 2007 (8th month at BWI) with subnormal precipitation. Precipitation deficits for January through November were more than 6" at DCA, 7" at BWI, and more than 14" at IAD. The month's greatest rainfall occurred on the 15th with amounts of approximately ¾" to an inch at most locations including the three major airports. While measurable rain was reported on 9 days at BWI and 8 days at DCA and IAD, amounts were less than ½" across the area. A strong cold front on Thanksgiving, Nov. 22, brought high winds to the area, including gusts to 53 mph at Brunswick, MD (Frederick County) and 51 mph at DCA.

NOVEMBER 2007 WEATHER STATISTICS FOR THE WASHINGTON/BALTIMORE AREA

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (Inches)			
	AvMx	AvMn	AvgT	NmIT	DepNml	Max	MinT	Total	Norm	DepNml	Yr to Date
National (DCA)	57.7	41.8	49.8	48.7	+1.1	77/22	30/24	1.46	3.03	-1.57	29.65
Baltimore (BWI)	55.6	36.7	46.2	45.5	+0.7	74/22	22/24	1.52	3.12	-1.60	30.94
Dulles (IAD)	56.1	36.1	46.1	45.2	+0.9	76/21	20/24	1.49	3.31	-1.82	24.05

AUTUMN (September-November) Temperature: Meteorological Autumn was the warmest on record in Washington and at IAD, 3rd warmest at BWI (warmest since 1985). Well above normal readings were observed across the metro area, particularly in September and October. Seasonal readings were +3.8°F at DCA, +4.0°F at BWI and +4.5°F at IAD. September brought particularly high temperatures to IAD, which recorded 10 days with highs at or above 90°F, the 3rd most such days ever recorded for September. IAD observed its 3rd warmest September on record. BWI recorded 6 days with highs at or above 90°F and DCA 3 such days. Even the nights were relatively warm. DCA's lowest reading for September was only 50°F.

October brought unprecedented warm conditions across the metro area. IAD's monthly mean of 63.6°F broke the previous record from 1984 by 1.8°F. All three airports broke records for the most 80°F or greater readings: 15 at DCA, 12 at IAD, 11 at BWI. All three airports set new maximum temperature records as highs reached 94°F. IAD also set record highs on the 4th (88°F) and on the 18th (82°F). Cooler conditions finally prevailed during the last week of October when highs held in the 50s in most areas, including IAD. Some suburban locations recorded minimum readings in the 30s at month's end. IAD marked its first freeze of the season on Oct. 29, with a low of 31°F. November stayed closer to normal but was still warmer than average (see above).

AUTUMN Precipitation: The area recorded below normal rainfall for September to November. Precipitation departures were 1.43" at DCA, 4.09" at IAD and 2.54" at BWI. September began the dry autumn with many locations recording an inch or less of rainfall for the month. DCA recorded its 5th driest September on record with only 3 days of measurable rainfall (greater or equal to 0.01"), equalling the second fewest on record. BWI's marked its 2nd driest September on record. Conditions were so bad that the governors of Maryland and Virginia requested a federal drought disaster declaration. Mandatory water restrictions were imposed in Stafford County, VA, according to press reports. On Sept. 26, severe thunderstorms caused flash flooding, thunderstorm wind damage and hail measured up to 7/8" in Martinsburg, WV. On Sept. 27, Thurmont, MD, reported thunderstorm wind damage.

Despite a very dry start, for the 3rd consecutive October, the area recorded above normal rainfall. No measurable rain was observed at DCA from September 15–October 18, setting a new record at 34 days. This streak broke the 1995 record by 1 day. Toward the end of the month, the trend shifted to wet. Monthly rainfall totals ranged from more than 6" at DCA and in areas east of the metro area to 3"- 4" north and west. The area's major rainfall occurred from Oct. 24-27 with some area receiving up to 7" of welcome rain. The wet stretch of weather alleviated the severe drought conditions across the area; however, the drought caused the loss of up to 60 percent of some area crops and led to a drought disaster declaration across Maryland as well as in 93 counties and 34 cities in Virginia, according to press reports. November rainfall returned to below normal levels (see above).

AUTUMN 2007 WEATHER STATISTICS FOR THE WASHINGTON/BALTIMORE AREA

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (In.)		
	AvMx	AvMn	AvgT	NmIT	DepNml	Max	MinT	Total	Norm	DepNml
National (DCA)	72.1	54.3	63.2	59.4	+3.8	94/10-9	30/11-24	8.61	10.04	-1.43
Baltimore (BWI)	71.0	49.0	60.1	56.1	+4.0	94/10-9	22/11-24	7.72	10.26	-2.54
Dulles (IAD)	71.8	48.8	60.3	55.8	+4.5	94/9-7,10-9	20/11-24	6.41	10.50	-4.09

Looking Ahead to DECEMBER: How much snow? Three of the past 5 Decembers have recorded above average snowfall across the region. Here is a look at the past 10 years. Normal DCA December snowfall: 1.5".

Year	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
December Snowfall	Trace	4.8"	0.1"	6.2"	7.1"	0.0"	2.0"	Trace	0.5"	0.1"