

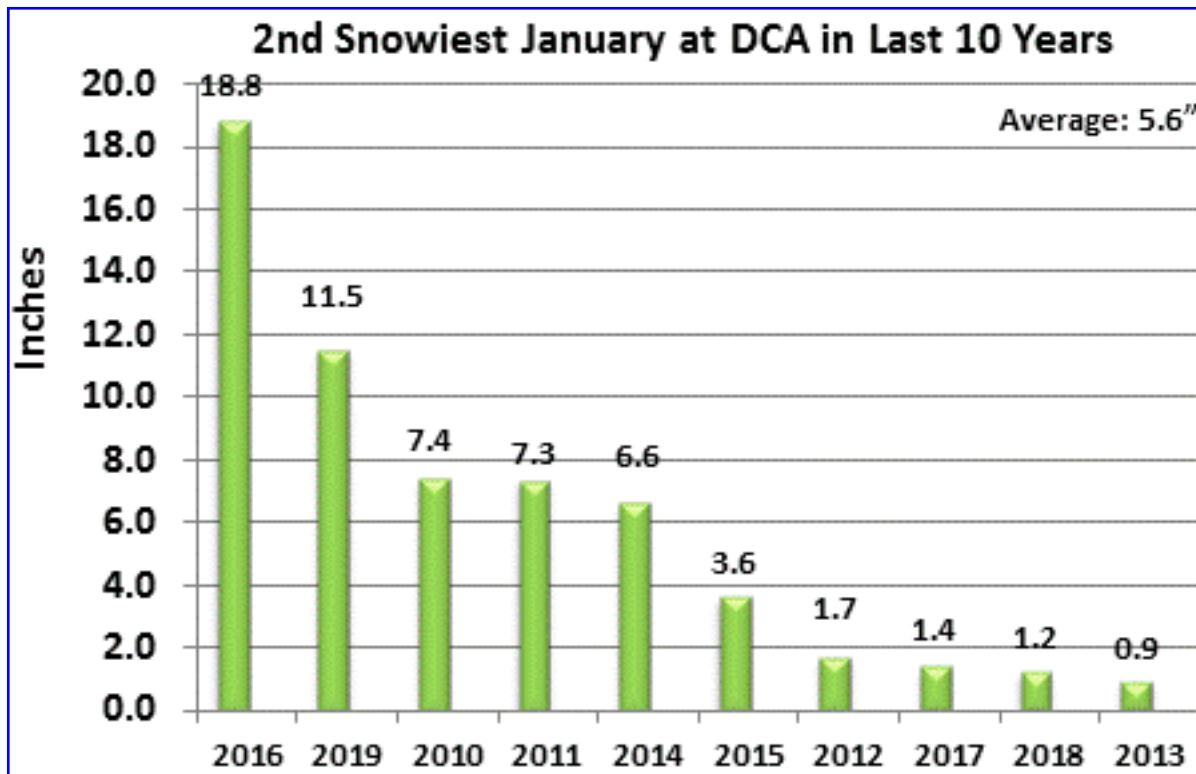


PRESTO

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



JANUARY 2019: Above Normal Snowfall and Large Temperature Swings



January Highlights

- ☀ Near normal average temperatures with slightly above normal departures at DCA, + 1.2°F and BWI, 0.6°F and slightly below average readings at IAD, -0.8°F
- ☀ Unseasonably warm New Year's Day: 64°F at DCA; 62°F at IAD and 61°F at BWI
- ☀ The season's first maximum temperature at or below freezing was recorded on 13th at DCA (32°F) and at BWI (31°F)
- ☀ IAD recorded its first subzero minimum temperature of the season on the 31st (-2°F)
- ☀ The first snowstorm of the season occurred on the 12th and 13th. Greatest storm totals in Maryland included 13.2" near Clarksburg (Montgomery County) and in Columbia, 13.0" (Howard County). In Virginia, totals included 12.1" in Baileys Crossroads (Arlington County) and 12.0" near Tysons Corner (Fairfax County). In Washington, 10.2" was measured at the National Zoo. IAD measured 10.6" with a daily record of 7.7" on the 13th; DCA measured 10.3", including a daily record of 8.3" on the 13th; BWI observed 6.6"

January 2019

Temperatures: The first month of 2019 featured near normal average temperatures with slightly above normal departures: DCA, +1.2°F; and BWI, +0.6°F while IAD reported a slightly below average reading of -0.8°F. Maximum temperatures varied considerably during the month. DCA's maximum temperature was at or above 60°F on 3 days, including a monthly maximum of 64°F on New Year's Day but 3 days failed to rise above freezing, including maximum highs of 24°F on the 21st and 25°F on the 31st. BWI reported 7 days at or above 50°F, including a monthly maximum of 61°F on the 1st and 3 days at or below 32°F, including a record low maximum of 21°F on the 31st. IAD observed 6 days at or above 50°F including a New Year's Day high of 62°F and 4 days at or below 32°F including a calendar day record low maximum of 22°F on the 31st.

On the 24th, wind chill readings dropped to 18°F near Middletown (Frederick County), MD, and to -15°F near Moscow (Augusta County), VA. IAD also recorded three minimum readings below 10°F, including -2°F on the month's final day. BWI's minimum was below 10°F on the month's final 2 days when arctic chill enveloped the region.

Precipitation: Above normal monthly totals were reported at the three major airports but unlike recent months, totals remained less than 4": DCA, 3.30" (+0.49"); BWI, 3.15" (+0.10") and IAD, 3.96" (+1.28").

The season's first significant snowstorm occurred on the 12th and 13th with two distinct periods of moderate to heavy snowfall. The first significant band of snow occurred overnight on the 12th with accumulations of about 5". The second band began in the afternoon and continued into the evening of the 13th, leaving a total of about 7" in many areas. The greatest storm totals in Maryland included 13.2" near Clarksburg (Montgomery County) and 13.0" in Columbia (Howard County). In Virginia, totals included 12.1" in Baileys Crossroads (Arlington County) and 12.0" near Tysons Corner (Fairfax County). In Washington, 10.2" was measured at the National Zoo. IAD measured 10.6", including a daily record of 7.7" on the 13th; DCA, 10.3" including a daily record of 8.3" on the 13th and BWI, 6.6".

The month's largest rainfall occurred on the 24th when well over an inch soaked the region. A number of roads were closed by flooding in Reston, Wolf Trap, Oakton and Annandale across Fairfax County, VA. Amounts included 1.75" at Wintergreen (Nelson County) VA, 1.41" near Carroll (Baltimore County), MD, and a calendar day record 1.33" at IAD. Strong winds followed the rain. Gusts were measured at 53 mph near Green Valley (Frederick County), MD, and 51 mph at IAD.

Other events of note included about an inch of rainfall on the 19th-20th followed by damaging wind gusts from saturated soil. A telephone pole was knocked down in Hillandale (Prince George's County), MD, and a tree was downed in Paris (Fauquier County), VA. Winds gusted to 53 mph near Glen Echo (Montgomery County), MD, and 52 mph at Leesburg Executive Airport. Finally, two light snowfalls occurred during the month with generally 1"-2" on the 18th and 1"-3" on the 29th. The monthly snowfall total at IAD of 15.5" was its 6th snowiest on record while DCA's total of 11.5" was its 2nd snowiest in the past 10 years (cover graphic).

January 2019 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	Snow
National (DCA)	44.3	30.1	37.2	36.0	+1.2	64/1	10/31	3.30	2.81	+0.49	11.5
Baltimore (BWI)	41.6	25.4	33.5	32.9	+0.6	61/1	5/31	3.15	3.05	+0.10	7.8
Dulles (IAD)	41.1	23.7	32.4	33.2	-0.8	62/1	-2/31	3.96	2.68	+1.28	15.5

Looking Ahead: Does above normal snowfall in January lead to above normal snowfall in February? Listed below are the most recent 10 years when January measured above normal snowfall in Washington and the subsequent February snowfall totals in inches. Average DCA January Snowfall: 5.6", February: 5.7".

Year	2018	2016	1996	1987	1966	1935	1925	1922	1918	1912
January Snowfall	11.5	18.8	23.8	20.8	21.3	24.4	18.0	31.5	22.6	16.9
February Snowfall	?	1.6	15.2	10.3	6.9	3.5	T	3.0	1.5	0.5