

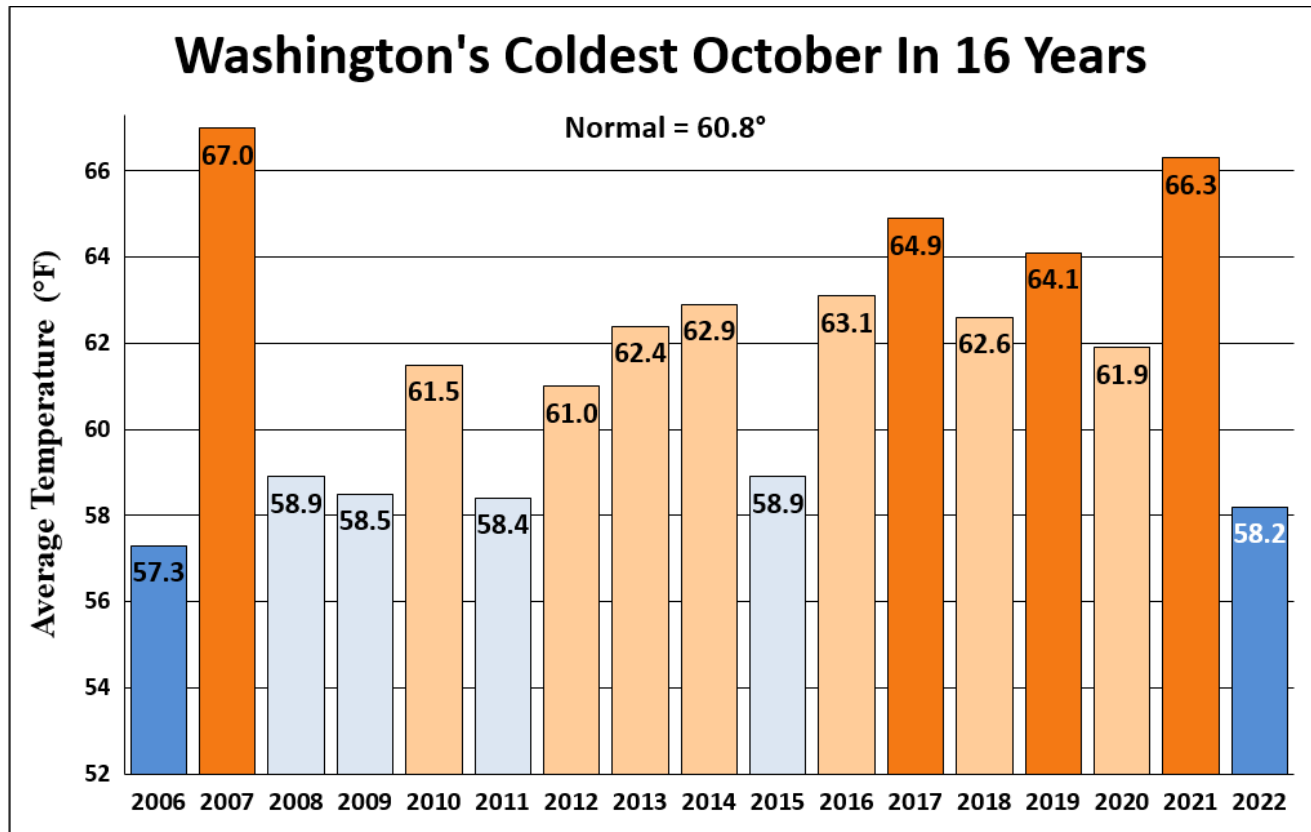


PRESTO



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

October 2022: Chilly, Modest Late-Month Moderation; Rainy First Week from Ian's Lingering Remnants, Then Dry



October Highlights

- ☁ Greatest below normal **temperatures** since January: DCA 58.2°F (-2.6°F); BWI 55.9°F (-1.5°F); IAD 55.0°F
- ☁ 4th – Record low max temperatures of 55°F tied at both DCA and IAD; 54°F set a new record at Martinsburg, WV
- ☁ Below normal **precipitation** west of Baltimore: DCA 2.78" (-0.88"); BWI 4.66" (+0.72"); IAD 2.24" (-1.41")
- ☁ 1st – Ian's gradient winds cause pre-dawn damage in Charlottesville, VA and near Jonesboro (Nelson Co.) as well as Cherry Grove (Pendleton Co.), WV; moderate coastal flooding occurred near Straits Point (St. Mary's County), MD
- ☁ 2nd – Second rainy day with 24-hour totals up to 1.72" west of North Beach (Anne Arundel Co.), MD
- ☁ 4th – Last day of heavier rains brings a soaking northeast of the DC metro, with greatest additional totals in MD of 2.70" east of Jarrettsville (Harford Co.) and 1.53" in Hamilton (Baltimore City)
- ☁ 19-20th – Garrett County, MD's light snows include 0.3" northeast of Deer Park (19th) and 0.1" near McHenry (20th)
- ☁ 21st – Hard freeze ends growing season across most areas north and west of the metros
- ☁ 23rd – Appreciable rains focused east of Baltimore again, with 2.20" in Pleasant Hills (Harford Co.), MD

October 2022

October Temperatures:

This was the first month with the three airports (DCA, BWI, IAD) all below normal since April 2022, and with readings ~2°F below normal since January 2022. Several, rather brief, unseasonably cool periods through the 1st-4th, 8th-10th, and 18th-20th led the month's trend: DCA 58.2°F (-2.6°F); BWI 55.9°F (-1.5°F); IAD 55.0°F (-1.6°F).

Damp, overcast conditions during the first week suppressed high temperatures to record low levels, while domes of Canadian high pressure guided the chilly 2nd and 3rd weeks. Highest temperatures were recorded ahead of the first dome's cold front, with the 7th bringing upper 70s, and 81°F at DCA, Charlottesville and sites in Orange County, VA. Occasional southwesterly return flow brought other isolated warm days, with 78°F at both Patuxent River NAS on the 15th, and Cumberland, MD on the 24th. The month's minimum was 18°F at Mill Gap (Highland Co.), VA on the 21st, although mid-20s were more often seen across mountain cold spots on the 21st and 30th. First frost/freezes were common north/west of DC on the 9th-10th and 18th-22nd.

October Precipitation and Severe Weather:

The first burst of Ian's post-tropical rains from late on September 30th through early on the 1st generally totaled 0.50-1.25", with observations as great as 2.15" in Waynesboro, VA, 2.13" west of North Beach, MD, 1.24" in Friendship Heights (Northwest), DC, and 1.13" in Shannondale (Jefferson Co.), WV. Rain, with scattered heavier bands, then lingered for several days as the system became extra-tropical and continued to spin over the Mid-Atlantic. Five-day totals (1st through the 5th) ranged from about 2.00" across the mountains to 2.00-3.00" through the DC metro, to generally 3.50-5.00" totals near Baltimore and counties south, along the Chesapeake Bay; with 6.05" east of Jarrettsville, MD, 5.71" in Ancient Oaks (St. Mary's Co.), 5.55" west of North Beach; as well as 3.25" east of Front Royal (Warren Co.), VA, 3.15" in Friendship Heights, DC, and 3.02" near Riverside (Jefferson Co.), WV.

The first 5 days of October would end up having the majority of the month's rainfall for most locations, ranging from 63% of the month's total at both Washington airports to 75% at BWI. October's total precipitation ranged from mainly 1.30-2.50" west of the metros, to a 2.50-5.50" gradient across the metros, and a copious 5.00-8.33" maximum over Baltimore and Harford Counties. This was the driest October in Washington since 2017, and the 5th driest of the last 20 years.

October 2022 Weather Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	Av Max	Av Min	Avg T	Nml T	ΔNml	Max	Min	Total	Nml P	ΔNml	Year To Date
National (DCA)	67.1	49.2	58.2	60.8	-2.6	81/7	38/19	2.78	3.66	-0.88	37.00
Baltimore (BWI)	66.4	45.4	55.9	57.4	-1.5	79/6,7	34/19	4.66	3.94	+0.72	39.94
Dulles (IAD)	66.7	43.3	55.0	56.6	-1.6	80/7	31/30	2.24	3.65	-1.41	33.02

Looking Ahead

Do chilly Octobers often lead to cold Novembers? The last three Octobers that had below normal monthly temperatures at DCA were 2009, 2011 and 2015, although each was followed by above to well above normal temperatures.

First 32°F (or lower) reading at DCA, BWI, IAD, Martinsburg, Hagerstown, and Charlottesville (2010-2021)

YEAR	DCA	BWI	IAD	MRB	HGR	CHO	YEAR	DCA	BWI	IAD	MRB	HGR	CHO
2021	Nov 23	Nov 4	Nov 3	Nov 2	Nov 3	Nov 5	2015	Oct 18	Oct 19	Oct 18	Oct 18	Oct 18	Oct 19
2020	Nov 19	Nov 18	Oct 31	Sep 20	Nov 18	Nov 18	2014	Nov 8	Nov 8	Nov 8	Nov 8	Nov 8	Nov 8
2019	Nov 9	Nov 2	Oct 22	Oct 19	Nov 2	Nov 2	2013	Oct 25	Oct 26	Oct 25	Oct 25	Oct 26	Oct 25
2018	Nov 11	Oct 22	Oct 22	Oct 19	Nov 10	Oct 22	2012	Oct 13	Nov 5	Oct 13	Oct 12	Oct 13	Nov 5
2017	Nov 10	Nov 10	Oct 26	Oct 27	Nov 10	Nov 10	2011	Oct 30	Oct 30	Oct 30	Oct 30	Oct 29	Oct 30
2016	Nov 23	Oct 26	Oct 18	Oct 26	Nov 12	Nov 13	2010	Nov 1	Nov 2	Nov 1	Nov 1	Nov 2	Nov 2