

## Storm Data and Unusual Weather Phenomena - November 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03]</b>				
	11/20/24 21:05 EST	0		Marine Thunderstorm Wind (MG 45 kt)
	11/20/24 22:10 EST	0		Source: ASOS
Wind gusts of up to 45 knots (52 MPH) were measured by the ASOS at Ronald Reagan Washington National Airport (KDCA) adjacent to the tidal Potomac River.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- OCCOQUAN RIVER (OCC) [38.64, -77.22]</b>				
	11/20/24 21:08 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	11/20/24 21:13 EST	0		Source: Mesonet
Wind gusts of up to 38 knots (44 MPH) were measured by the Occoquan River WeatherFlow sensor (XOCC).				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30]</b>				
	11/20/24 21:12 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	11/20/24 22:02 EST	0		Source: AWOS
Wind gusts of up to 42 knots (48 MPH) were measured by the AWOS at Quantico Marine Base (KNYG) adjacent to the tidal Potomac River.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]</b>				
	11/20/24 21:36 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	11/20/24 21:36 EST	0		Source: Mesonet
A wind gust of 42 knots (48 MPH) was measured by the I-695 Francis Scott Key Bridge NOS sensor (FSKM2).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS BUOY (44063) [38.96, -76.45]</b>				
	11/20/24 21:42 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	11/20/24 22:06 EST	0		Source: Buoy
Wind gusts of up to 39 knots (45 MPH) were measured by the Annapolis CBIBS sensor (44063).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS (KNAK) [38.98, -76.48]</b>				
	11/20/24 21:46 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	11/20/24 21:46 EST	0		Source: ASOS
A wind gust of 37 knots (43 MPH) was measured by the ASOS at the Annapolis U.S. Naval Academy (KNAK) adjacent to the Chesapeake Bay.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS MD (APAM2) [38.98, -76.48]</b>				
	11/20/24 21:48 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	11/20/24 22:00 EST	0		Source: Mesonet
A wind gust of 35 knots (40 MPH) was measured by the Annapolis NOS sensor (APAM2).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- HERRING BAY (HRB) [38.73, -76.54]</b>				
	11/20/24 21:48 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	11/20/24 22:03 EST	0		Source: Mesonet
Wind gusts of up to 39 knots (45 MPH) were measured by the Herring Bay WeatherFlow sensor (XHQB).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBURY POINT (GBY) [38.97, -76.46]</b>				
	11/20/24 21:49 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	11/20/24 22:14 EST	0		Source: Mesonet
Wind gusts of up to 39 knots (45 MPH) were measured by the Greenbury Point WeatherFlow sensor (XGBY).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- SAUNDERS POINT LIGHT [38.88, -76.48]</b>				
	11/20/24 21:50 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	11/20/24 22:10 EST	0		Source: Mesonet

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Wind gusts of up to 38 knots (44 MPH) were measured by the Saunders Point Light WeatherFlow sensor (XMTR).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]</b>				
	11/20/24 21:50 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	11/20/24 22:00 EST	0		Source: C-MAN Station
Wind gusts of up to 41 knots (47 MPH) were measured by the Thomas Point NOS sensor (TPLM2).				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- PATAPSCO BUOY (44043) [39.15, -76.39]</b>				
	11/20/24 21:54 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	11/20/24 22:00 EST	0		Source: Buoy
Wind gusts of up to 37 knots (43 MPH) were measured by the Patapsco CBIBS sensor (44043).				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]</b>				
	11/20/24 21:57 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	11/20/24 22:02 EST	0		Source: Mesonet
Wind gusts of up to 40 knots (46 MPH) were measured by the Hart Miller WeatherFlow sensor (XHRT).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- SANDY POINT (SPT) [39.01, -76.40]</b>				
	11/20/24 21:57 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	11/20/24 22:02 EST	0		Source: Mesonet
A squall produced estimated wind gusts to 34 knots (39 MPH) near the Sandy Point WeatherFlow sensor (XSPT).				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND (KNT) [38.92, -76.36]</b>				
	11/20/24 21:58 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	11/20/24 22:03 EST	0		Source: Mesonet
Wind gusts of up to 37 knots (43 MPH) were measured by the Kent Island WeatherFlow sensor (XKNT).				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- SENECA CREEK [39.30, -76.36]</b>				
	11/20/24 21:59 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	11/20/24 22:04 EST	0		Source: Mesonet
Wind gusts of up to 34 knots (39 MPH) were measured by the Seneca Creek WeatherFlow sensor (XSNC).				
<b>CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- BLACKWALNUT HARBOR (BWH) [38.68, -76.33]</b>				
	11/20/24 22:09 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	11/20/24 22:14 EST	0		Source: Mesonet
Wind gusts of up to 39 knots (45 MPH) were measured by the Blackwalnut Harbor WeatherFlow sensor (XBWH).				
<b>EASTERN BAY COUNTY --- 4.3 SE US-50 (MD040) [38.92, -76.20]</b>				
	11/20/24 22:10 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	11/20/24 22:20 EST	0		Source: Mesonet
A squall produced estimated wind gusts to 34 knots (39 MPH) near a CWOP site in Grasonville (EW5728) adjacent to Eastern Bay.				
<b>EASTERN BAY COUNTY --- 3.4 S US-50 (MD040) [38.92, -76.26]</b>				
	11/20/24 22:15 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	11/20/24 22:20 EST	0		Source: Mesonet
Wind gusts of up to 40 knots (46 MPH) were measured by a mesonet at Crab Alley Bay adjacent to Eastern Bay.				
<b>EASTERN BAY COUNTY --- 4.3 SE US-50 (MD040) [38.92, -76.20]</b>				
	11/20/24 22:15 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	11/20/24 22:25 EST	0		Source: Mesonet
Wind gusts of up to 35 knots (40 MPH) were measured by a mesonet at Prospect Bay adjacent to Eastern Bay.				

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<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- TOLCHESTER MD (TCBM2) [39.21, -76.24]</b>				
	11/20/24 22:18 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	11/20/24 22:24 EST		0	Source: Mesonet
Wind gusts of up to 35 knots (40 MPH) were measured by the Tolchester Beach NOS sensor (TCBM2).				

<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- GROVE POINT (GVP) [39.40, -76.04]</b>				
	11/20/24 22:31 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	11/20/24 22:41 EST		0	Source: Mesonet
Wind gusts of up to 35 knots (40 MPH) were measured by the Grove Point Range Front Light WeatherFlow sensor (XGVP).				

A strong cold front spawned a line of squalls that resulted in a sudden onset of gale-force winds over portions of the Chesapeake Bay and tidal Potomac River during the mid to late evening hours.

### MARYLAND, Central

<b>(MD-Z001) GARRETT</b>				
	11/21/24 10:00 EST		0	Winter Storm
	11/23/24 07:00 EST		0	

<b>(MD-Z501) EXTREME WESTERN ALLEGANY</b>				
	11/22/24 06:00 EST		0	Winter Weather
	11/22/24 18:00 EST		0	

A potent upper-level area of low pressure brought the first widespread snow of the season to the Alleghenies. Cold air rushed in during the morning of Thursday November 21st which resulted in snow showers and squalls quickly overspreading the mountains. The heavier and more persistent snow developed near sunrise November 22nd. This heavy snow frequently dropped visibilities below one quarter of a mile. Winds gusted to 45-50 mph, which resulted in considerable blowing and drifting snow. Snow accumulations ranged from 10 to 18 inches across Garrett County, with lesser amounts of 2 to 6 inches across far western Allegany County.

<b>(MD-Z001) GARRETT</b>				
	11/29/24 00:00 EST		0	Winter Weather
	11/30/24 08:00 EST		0	

An upper level trough brought snow showers and squalls across Garrett County. Some squalls reduced visibilities to around a quarter of a mile at times. Total snowfall accumulations averaged two to four inches with the higher amounts in areas that received multiple squalls.

### VIRGINIA, North

<b>(VA-Z503) WESTERN HIGHLAND</b>				
	11/21/24 10:00 EST		0	Winter Storm
	11/23/24 07:00 EST		0	

A potent upper-level area of low pressure brought the first widespread snow of the season to the Alleghenies. Cold air rushed in during the morning of Thursday November 21st which resulted in snow showers and squalls quickly overspreading the mountains. The heavier and more persistent snow developed near sunrise November 22nd. This heavy snow frequently dropped visibilities below one quarter of a mile. Winds gusted to 45-50 mph, which resulted in considerable blowing and drifting snow. Snow accumulations ranged from 6 to 14 inches in northwestern Highland County to 2 to 6 inches in southwestern Highland County.

### WEST VIRGINIA, East

<b>(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON</b>				
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	11/21/24 10:00 EST		0	Blizzard
	11/23/24 07:00 EST		0	

**(WV-Z503) WESTERN MINERAL**

	11/22/24 06:00 EST		0	Winter Weather
	11/22/24 18:00 EST		0	

A potent upper-level area of low pressure brought the first widespread snow of the season to the Alleghenies. Cold air rushed in during the morning of Thursday November 21st which resulted in snow showers and squalls quickly overspreading the mountains. This heavy snow frequently dropped visibilities below one quarter of a mile. This coupled with wind gusts of 45-55 mph resulted in blizzard conditions across western Pendleton and Grant counties. Snow accumulations ranged from 10 to 16 inches across far western Pendleton and Grant Counties, with lesser amounts of 2 to 6 inches across far western Mineral County.

**(WV-Z501) WESTERN GRANT**

	11/29/24 00:00 EST		0	Winter Weather
	11/30/24 08:00 EST		0	

An upper level trough brought snow showers and squalls across western Grant County. Some squalls reduced visibilities to around a quarter of a mile at times. Total snowfall accumulations averaged two to four inches with the higher amounts in areas that received multiple squalls.