

Storm Data and Unusual Weather Phenomena - November 2022

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|--|--------------------|-------------------|---------------------|-------------------------------------|
| ATLANTIC NORTH | | | | |
| TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03] | | | | |
| | 11/28/22 09:52 EST | | 0 | Marine Thunderstorm Wind (MG 38 kt) |
| | 11/28/22 09:52 EST | | 0 | Source: ASOS |
| Wind gusts of up to 38 knots (44 MPH) were measured by the ASOS at Ronald Reagan Washington National Airport (KDCA) adjacent to the tidal Potomac River. | | | | |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC LIGHT 33 (LT3) [38.34, -76.99] | | | | |
| | 11/28/22 10:11 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/28/22 10:11 EST | | 0 | Source: Buoy |
| A squall produced an estimated wind gust to 34 knots (39 MPH) near the Potomac Light 33 WeatherFlow sensor (XLT3). | | | | |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- CUCKOLD CREEK (CCK) [38.31, -76.93] | | | | |
| | 11/28/22 10:15 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/28/22 10:15 EST | | 0 | Source: Buoy |
| A squall produced an estimated wind gust to 34 knots (39 MPH) near the Cuckold Creek WeatherFlow sensor (XCCK). | | | | |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- PYLONS DAHLGREN (PYL) [38.31, -77.00] | | | | |
| | 11/28/22 10:18 EST | | 0 | Marine Thunderstorm Wind (MG 34 kt) |
| | 11/28/22 11:18 EST | | 0 | Source: Buoy |
| Wind gusts of up to 34 knots (39 MPH) were measured by the Pylons Dahlgren WeatherFlow sensor (XPYL). | | | | |
| CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 2.6 S MID BAY BUOY [38.43, -76.39] | | | | |
| | 11/28/22 10:24 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/28/22 10:30 EST | | 0 | Source: Buoy |
| A squall produced estimated wind gusts to 34 knots (39 MPH) near the Cove Point NOS sensor (COVM2). | | | | |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30] | | | | |
| | 11/28/22 10:24 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/28/22 10:24 EST | | 0 | Source: AWOS |
| A squall produced an estimated wind gust to 34 knots (39 MPH) near the AWOS at Quantico Marine Base (KNYG) adjacent to the tidal Potomac River. | | | | |
| TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- COBB POINT (COB) [38.24, -76.83] | | | | |
| | 11/28/22 11:00 EST | | 0 | Marine Thunderstorm Wind (MG 35 kt) |
| | 11/28/22 11:00 EST | | 0 | Source: Buoy |
| A wind gust of 35 knots (40 MPH) was measured by the Cobb Point WeatherFlow sensor (XCOB). | | | | |
| TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK (MON) [38.23, -76.95] | | | | |
| | 11/28/22 11:01 EST | | 0 | Marine Thunderstorm Wind (MG 36 kt) |
| | 11/28/22 11:30 EST | | 0 | Source: Buoy |
| Wind gusts of up to 36 knots (41 MPH) were measured by the Monroe Creek WeatherFlow sensor (XMON). | | | | |
| A squall along a cold front produced several gale-force wind gusts. | | | | |
| PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53] | | | | |
| | 11/30/22 15:48 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/30/22 15:48 EST | | 0 | Source: Buoy |
| A squall produced an estimated wind gust to 34 knots (39 MPH) near the I-695 Francis Scott Key Bridge NOS sensor (FSKM2). | | | | |
| CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS (KNAK) [38.98, -76.48] | | | | |

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|----------|--------------------|-------------------|---------------------|-------------------------------------|
| | 11/30/22 16:10 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/30/22 16:10 EST | | 0 | Source: ASOS |

A squall produced an estimated wind gust to 34 knots (39 MPH) near the ASOS at the U.S. Naval Academy in Annapolis (KNAK) adjacent to the Chesapeake Bay.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBURY POINT (GBY) [38.97, -76.46]

| | | | | |
|--|--------------------|--|---|-------------------------------------|
| | 11/30/22 16:15 EST | | 0 | Marine Thunderstorm Wind (MG 35 kt) |
| | 11/30/22 16:15 EST | | 0 | Source: Buoy |

A wind gust of 35 knots (40 MPH) was measured by the Greenbury Point WeatherFlow sensor (XGBY).

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]

| | | | | |
|--|--------------------|--|---|-------------------------------------|
| | 11/30/22 16:24 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/30/22 16:24 EST | | 0 | Source: Buoy |

A squall produced an estimated wind gust to 34 knots (39 MPH) near the Tolly Point WeatherFlow sensor (XTOL).

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- HERRING BAY (HRB) [38.73, -76.54]

| | | | | |
|--|--------------------|--|---|-------------------------------------|
| | 11/30/22 16:35 EST | | 0 | Marine Thunderstorm Wind (EG 34 kt) |
| | 11/30/22 16:35 EST | | 0 | Source: Buoy |

A squall produced an estimated wind gust to 34 knots (39 MPH) near the Herring Bay WeatherFlow sensor (XHRB).

A cold front produced a line of squalls that resulted in a sudden onset of gale force winds over the upper Chesapeake Bay.

MARYLAND, Central

(MD-Z001) GARRETT, (MD-Z501) EXTREME WESTERN ALLEGANY

| | | | | |
|--|--------------------|--|---|----------------|
| | 11/14/22 16:45 EST | | 0 | Winter Weather |
| | 11/14/22 18:15 EST | | 0 | |

A snow squall with visibilities less than one quarter of a mile and winds gusting in excess of 30 mph quickly accumulated one to two inches across the I-68 corridor during rush hour.

(MD-Z001) GARRETT, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

| | | | | |
|--|--------------------|--|---|----------------|
| | 11/15/22 10:00 EST | | 0 | Winter Weather |
| | 11/15/22 22:00 EST | | 0 | |

Low pressure passed by to our west while another low passed by to our east on the 15th of November. High pressure remained to the north and this allowed for a layer of cold air to hang around, causing a wintry mix over the higher elevations.

Snowfall accumulations were around 1 to 3 inches across Garrett County into western Allegany County near and east of Keyzers Ridge, with localized amounts around 4 inches around the Garrett/Allegany County line near and north of Interstate 68.

Freezing rain led to ice accumulation over the higher elevations generally above 1,000 feet in elevation. Ice amounts ranged from a trace to around one tenth of an inch.

(MD-Z001) GARRETT

| | | | | |
|--|--------------------|--|---|----------------|
| | 11/16/22 18:00 EST | | 0 | Winter Weather |
| | 11/17/22 08:00 EST | | 0 | |

A weak cold front along with an upper-level disturbance passed through the area on the evening of the 16th. Behind this system colder air with moisture from the Great Lakes caused snow showers to develop for locations along and west of the Allegheny Front. Snowfall accumulations were around 2 to 3 inches especially along and west of Keyzers Ridge as well as near the Allegany and Garrett County line near Mount Savage.

(MD-Z001) GARRETT

| | | | | |
|--|--------------------|--|---|----------------|
| | 11/18/22 09:00 EST | | 0 | Winter Weather |
| | 11/18/22 19:00 EST | | 0 | |

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|----------|-----------|-------------------|---------------------|------------------------|

A cold front passed through western Maryland during the afternoon of the 18th. Ahead of the boundary, warm advection led to light snow along and west of the Allegheny Front. A snow squall occurred for locations along and west of the Allegheny Front as the cold front passed through between 3 PM and 6 PM on the 18th. This led to snowfall accumulations around 1 to 2 inches within an hour. Snowfall amounts totaled to around 2 to 4 inches for locations along and west of the Allegheny Front.

GARRETT COUNTY --- 0.1 N MTN LAKE PARK [39.40, -79.38]

| | | | | |
|--------------------|--|--|-----|------------------------------|
| 11/27/22 15:25 EST | | | 10K | Thunderstorm Wind (EG 52 kt) |
| 11/27/22 15:25 EST | | | 0 | Source: 911 Call Center |

Several trees were blown down around Mountain Lake Park, including onto a house and power lines.

A line of low-topped showers resulted in very localized wind damage.

GARRETT COUNTY --- 0.6 N KEYSERS RIDGE [39.69, -79.25]

| | | | | |
|--------------------|--|--|-----|------------------------------|
| 11/30/22 12:02 EST | | | 20K | Thunderstorm Wind (MG 52 kt) |
| 11/30/22 12:02 EST | | | 0 | Source: Mesonet |

A wind gust of 52 knots (60 MPH) was measured by a mesonet at the I-68/US-219 Interchange (MD014). Numerous trees and wires were blown down throughout the county, per emergency management.

A strong cold front produced a squall that resulted in severe wind gusts over far western Maryland around midday.

VIRGINIA, North

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

| | | | | |
|--------------------|--|--|---|----------------|
| 11/15/22 10:00 EST | | | 0 | Winter Weather |
| 11/15/22 22:00 EST | | | 0 | |

Low pressure passed by to our west while another low passed by to our east on the 15th of November. High pressure remained to the north and this allowed for a layer of cold air to hang around, causing a wintry mix over the higher elevations.

Snowfall accumulations were around a coating to an inch across the ridges with little or no accumulations in the valleys.

Freezing rain led to ice accumulation over the higher elevations generally above 1,000 feet in elevation. Ice amounts ranged from a trace to around one tenth of an inch.

(VA-Z503) WESTERN HIGHLAND

| | | | | |
|--------------------|--|--|---|-----------------|
| 11/19/22 22:00 EST | | | 0 | Cold/Wind Chill |
| 11/20/22 09:00 EST | | | 0 | |

A cold northwest wind behind a cold front caused wind chills to drop to around -10 to -18 degrees the night of the 19th into the morning of the 20th.

WEST VIRGINIA, East

(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

| | | | | |
|--------------------|--|--|---|----------------|
| 11/15/22 10:00 EST | | | 0 | Winter Weather |
| 11/15/22 22:00 EST | | | 0 | |

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| (WV-Z501) WESTERN GRANT | 11/19/22 22:00 EST | | 0 | Cold/Wind Chill |
| | 11/20/22 09:00 EST | | 0 | |

A cold northwest wind behind a cold front caused wind chills to drop to around -10 to -18 degrees the night of the 19th into the morning of the 20th.