

Storm Data and Unusual Weather Phenomena - December 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.3 ESE BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]				
	12/06/21 19:00 EST	0		Marine Thunderstorm Wind (MG 44 kt)
	12/06/21 19:12 EST	0		Source: Buoy
Wind gusts of up to 44 knots (51 MPH) was measured by one of the NOS sensors at the I-695 Francis Scott Key Bridge (FSNM2).				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- ORIOLE PARK AT CAMDEN YARDS (BLTPC) [39.28, -76.62]				
	12/06/21 19:05 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	12/06/21 19:05 EST	0		Source: Mesonet
A wind gust of 37 knots (43 MPH) was measured by a mesonet at Oriole Park at Camden Yards (BLTPC) adjacent to the tidal Patapsco River.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]				
	12/06/21 19:12 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	12/06/21 19:22 EST	0		Source: Buoy
Wind gusts of up to 34 knots (39 MPH) were measured by the Hart Miller Island WeatherFlow sensor (XHRT).				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]				
	12/06/21 19:12 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	12/06/21 19:18 EST	0		Source: Buoy
A squall produced estimated wind gusts to 34 knots (39 MPH) near one of the NOS sensors at the I-695 Francis Scott Key Bridge (FSKM2).				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 1.3 NE HAVRE DE GRACE (HAVDG) [39.56, -76.09]				
	12/06/21 19:25 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	12/06/21 19:25 EST	0		Source: Mesonet
A wind gust of 36 knots (41 MPH) was measured by a mesonet on the westbound span of the US-40 Hatem Bridge (MD067) adjacent to the upper Chesapeake Bay.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 1.8 ENE HAVRE DE GRACE (HAVDG) [39.56, -76.08]				
	12/06/21 19:26 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	12/06/21 19:26 EST	0		Source: Mesonet
A wind gust of 36 knots (41 MPH) was measured by a mesonet on the eastbound span of the US-40 Hatem Bridge (MD072) adjacent to the upper Chesapeake Bay.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.4 SSE SANDY POINT SOUTH (NRSPS) [38.99, -76.39]				
	12/06/21 19:37 EST	0		Marine Thunderstorm Wind (EG 48 kt)
	12/06/21 20:02 EST	0		Source: Mesonet
A squall produced estimated wind gusts to 48 knots (55 MPH) near a mesonet on the eastbound span of the US-50/US-301 Chesapeake Bay Bridge (MD066).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 2.3 WSW THOMAS POINT (TPLM2) [38.88, -76.48]				
	12/06/21 19:38 EST	0		Marine Thunderstorm Wind (EG 36 kt)
	12/06/21 19:38 EST	0		Source: Buoy
A wind gust of 36 knots (41 MPH) was measured by the Saunders Point Light/Mayo-Triton Beach WxFlow sensor (WFMTR).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBURY POINT (GBY) [38.97, -76.46]				
	12/06/21 19:40 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	12/06/21 19:55 EST	0		Source: Buoy
A squall produced estimated wind gusts to 34 knots (39 MPH) near the Greenbury Point WeatherFlow sensor (XGBY).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]				

Storm Data and Unusual Weather Phenomena - December 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/06/21 19:43 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	12/06/21 19:48 EST		0	Source: Buoy

Wind gusts of up to 36 knots (41 MPH) were measured by the Tolly Point WeatherFlow sensor (XTOL).

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 1.6 WNW SHADY SIDE ES (SHADY) [38.85, -76.54]

	12/06/21 19:45 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	12/06/21 20:00 EST		0	Source: Mesonet

Wind gusts of up to 36 knots (41 MPH) were measured by a mesonet in Galesville (EW0112) adjacent to the Chesapeake Bay.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]

	12/06/21 19:45 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	12/06/21 19:45 EST		0	Source: Buoy

A wind gust of 38 knots (44 MPH) was measured by the Thomas Point NOS sensor (TPLM2).

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

	12/06/21 19:46 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/06/21 19:46 EST		0	Source: Buoy

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

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 10.8 E ROD N REEL CHESAPEAKE BEACH (CHSRL) [38.72, -76.33]

	12/06/21 20:05 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	12/06/21 20:05 EST		0	Source: Mesonet

A wind gust of 40 knots (46 MPH) was measured by a mesonet on the MD-33 Knapps Narrows Drawbridge (MD073) between the Chesapeake Bay and tidal Choptank River.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- GOOSSES REEF BUOY (44062) [38.56, -76.41]

	12/06/21 20:06 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	12/06/21 20:06 EST		0	Source: Buoy

A wind gust of 39 knots (45 MPH) was measured by the Gooses Reef CBIBS sensor (44062).

CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- BLACKWALNUT HARBOR (BWH) [38.68, -76.33]

	12/06/21 20:13 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	12/06/21 20:13 EST		0	Source: Buoy

A wind gust of 35 knots (40 MPH) was measured by the Blackwalnut Harbor WeatherFlow sensor (XBWH).

PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 0.9 NE CHESAPEAKE BIOLOGICAL LABORATORY (CBIM2) [38.33, -76.47]

	12/06/21 20:30 EST		0	Marine Thunderstorm Wind (MG 51 kt)
	12/06/21 21:00 EST		0	Source: Mesonet

Wind gusts of up to 51 knots (59 MPH) were measured by a mesonet on the MD-4 Thomas Johnson Bridge (MD147).

CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 0.9 NE CAMBRIDGE (CAMM2) [38.58, -76.06]

	12/06/21 20:35 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/06/21 20:35 EST		0	Source: Mesonet

A squall produced an estimated wind gust to 34 knots (39 MPH) near a mesonet on US-50 at the Choptank River (MD004).

CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 3.1 SE CAMBRIDGE (CAMM2) [38.54, -76.03]

	12/06/21 20:35 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	12/06/21 20:35 EST		0	Source: AWOS

A wind gust of 35 knots (40 MPH) was measured by the AWOS at Cambridge-Dorchester Regional Airport (KCGE) adjacent to the tidal Choptank River.

CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- CAMBRIDGE (CAMM2) [38.57, -76.07]

Storm Data and Unusual Weather Phenomena - December 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/06/21 20:36 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	12/06/21 20:42 EST		0	Source: Buoy

A wind gust of 42 MPH (36 knots) was measured by the NOS sensor at Cambridge/Eaton Point Light (CAMP2).

A strong cold front produced squalls with gale and brief storm force winds.

CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- BLACKWALNUT HARBOR (BWH) [38.68, -76.33]				
	12/11/21 17:23 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	12/11/21 17:23 EST		0	Source: Broadcast Media

A wind gust of 34 knots (39 MPH) was measured by the Blackwalnut Harbor WeatherFlow sensor (XBWH).

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- COBB POINT (COB) [38.24, -76.83]				
	12/11/21 17:37 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 17:37 EST		0	Source: Buoy

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

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- GOOSSES REEF BUOY (44062) [38.56, -76.41]				
	12/11/21 17:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 17:48 EST		0	Source: Buoy

A squall produced estimated wind gusts to 34 knots (39 MPH) near the Gooses Reef CBIBS sensor (44062).

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 4.6 S MID BAY BUOY [38.40, -76.39]				
	12/11/21 18:00 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	12/11/21 18:00 EST		0	Source: Buoy

A wind gust of 34 knots (39 MPH) was measured by the Cove Point NOS sensor (COVM2).

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT (PPTM2) [38.13, -76.53]				
	12/11/21 18:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 18:00 EST		0	Source: Buoy

A squall produced an estimated wind gust to 34 knots (39 MPH) near the Piney Point NOS sensor (PPTM2).

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER ASOS (KNHK) [38.29, -76.41]				
	12/11/21 18:05 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 18:05 EST		0	Source: ASOS

A squall produced an estimated wind gust to 34 knots (39 MPH) near the ASOS at Patuxent River Naval Air Station (KNHK) adjacent to the Chesapeake Bay and tidal Patuxent River.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC POINT LOOKOUT BUOY (44042) [38.03, -76.34]				
	12/11/21 18:36 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	12/11/21 18:36 EST		0	Source: Buoy

A wind gust of 44 knots (51 MPH) was measured by the Lower Potomac/Point Lookout CBIBS sensor (44042).

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]				
	12/11/21 19:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 19:18 EST		0	Source: Buoy

A squall produced estimated wind gusts to 34 knots (39 MPH) near the NOS sensor at Bishops Head Pier (BISM2).

PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 0.3 ESE BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]				
	12/11/21 20:54 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	12/11/21 21:06 EST		0	Source: Buoy

Wind gusts to 39 knots (45 MPH) were measured by one of the NOS sensors on the I-695 Francis Scott Key Bridge (FSNM2).

Storm Data and Unusual Weather Phenomena - December 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]				
	12/11/21 21:02 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	12/11/21 21:02 EST		0	Source: Buoy
A wind gust of 41 knots (47 MPH) was measured by the Hart Miller Island WeatherFlow sensor (XHRT).				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 2.7 SE LEESYLVANIA STATE PARK (LSLVN) [38.64, -77.22]				
	12/11/21 21:18 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	12/11/21 21:18 EST		0	Source: Buoy
A wind gust of 37 knots (43 MPH) was measured by the Occoquan River WeatherFlow sensor (XOCC).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS (KNAK) [38.98, -76.48]				
	12/11/21 21:28 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	12/11/21 21:28 EST		0	Source: ASOS
A wind gust of 34 knots (39 MPH) was measured by the ASOS at the United States Naval Academy in Annapolis (KNAK) adjacent to the Chesapeake Bay.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS BUOY (44063) [38.96, -76.45]				
	12/11/21 21:30 EST	0		Marine Thunderstorm Wind (MG 47 kt)
	12/11/21 21:42 EST		0	Source: Broadcast Media
Wind gusts of up to 47 knots (54 MPH) were measured by the Annapolis CBIBS sensor (44063).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBURY POINT (GBY) [38.97, -76.46]				
	12/11/21 21:30 EST	0		Marine Thunderstorm Wind (MG 47 kt)
	12/11/21 21:45 EST		0	Source: Buoy
Wind gusts of up to 47 knots (54 MPH) were measured by the Greenbury Point WeatherFlow sensor (XGBY).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]				
	12/11/21 21:32 EST	0		Marine Thunderstorm Wind (MG 46 kt)
	12/11/21 21:32 EST		0	Source: Broadcast Media
A wind gust of 46 knots (53 MPH) was measured by the Thomas Point NOS sensor (TPLM2).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]				
	12/11/21 21:33 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	12/11/21 21:38 EST		0	Source: Buoy
Wind gusts of up to 42 knots (48 MPH) were measured by the Tolly Point WeatherFlow sensor (XTOL).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- HERRING BAY (HRB) [38.73, -76.54]				
	12/11/21 21:36 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 21:36 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Herring Bay WeatherFlow sensor (XHRB).				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC LIGHT 33 (LT3) [38.34, -76.99]				
	12/11/21 22:13 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 22:13 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 --- BABER POINT (BAB) [38.31, -77.03]				
	12/11/21 22:17 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	12/11/21 22:17 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Baber Point WeatherFlow sensor (XBAB).				
PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 0.9 NE CHESAPEAKE BIOLOGICAL LABORATORY (CBIM2) [38.33, -76.47]				

Storm Data and Unusual Weather Phenomena - December 2021

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/11/21 22:35 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	12/11/21 22:40 EST		0	Source: Mesonet

Wind gusts of up to 45 knots (52 MPH) were measured by a mesonet on the MD-4 Thomas Johnson Bridge (MD147).

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER ASOS (KNHK) [38.29, -76.41]

	12/11/21 22:44 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	12/11/21 22:44 EST		0	Source: ASOS

A wind gust of 36 knots (41 MPH) was measured by the ASOS at Patuxent River Naval Air Station (KNHK) adjacent to the Chesapeake Bay and tidal Patuxent River.

A strong cold front produced squalls that resulted in gale to near storm force wind gusts.

MARYLAND, Central

(MD-Z003) WASHINGTON, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	12/23/21 23:00 EST		0	Winter Weather
	12/24/21 01:00 EST		0	

Light rain with temperatures near freezing caused a trace of ice on a few elevated surfaces.

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

	12/27/21 08:00 EST		0	Winter Weather
	12/27/21 12:00 EST		0	

A weak wave of low pressure passed through the area, causing overrunning precipitation over low-level cold air in place. This resulted in light snow, sleet, and freezing rain. A trace to a couple hundredths of an inch of ice were reported on elevated surfaces in western Maryland.