

Storm Data and Unusual Weather Phenomena - March 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT (RAC) [38.14, -75.79]				
	03/09/24 20:59 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/09/24 20:59 EST	0		Source: Buoy
A thunderstorm produced an estimated wind gust to 34 knots (39 MPH) near the Raccoon Point WeatherFlow sensor (XRAC).				
An isolated thunderstorm produced gale-force winds in the waters adjacent to southern Maryland during the early evening hours.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 3.8 E NORTH BAY NORTH EAST MD (NRTBY) [39.49, -75.92]				
	03/15/24 00:59 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/15/24 00:59 EST	0		Source: Mesonet
A squall produced an estimated wind gust to 34 knots (39 MPH) near a personal weather station in Hollywood Beach (KMDCHES71) along the tidal Elk River.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 3.9 N FORT HOWARD (FRM2) [39.26, -76.45]				
	03/15/24 01:10 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/15/24 01:10 EST	0		Source: Mesonet
A squall produced an estimated wind gust to 34 knots (39 MPH) near a Tempest station on Todd Point Lane adjacent to the Chesapeake Bay.				
CHESTER RIVER TO QUEENSTOWN MD COUNTY --- 1.5 SSW ROCK HALL ES (RKHAL) [39.12, -76.25]				
	03/15/24 01:35 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	03/15/24 01:35 EST	0		Source: Mesonet
A wind gust of 40 knots (46 MPH) was measured by a Tempest station at Huntingfield Point adjacent to the tidal Chester River.				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- BLACKWALNUT HARBOR (BWH) [38.68, -76.33]				
	03/15/24 02:47 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	03/15/24 02:47 EST	0		Source: Buoy
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]				
	03/15/24 03:20 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/15/24 03:20 EST	0		Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Cobb Point WeatherFlow sensor (XCOB).				
PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 0.9 NE CHESAPEAKE BIOLOGICAL LABORATORY (CBIM2) [38.33, -76.47]				
	03/15/24 03:34 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/15/24 03:34 EST	0		Source: Mesonet
A squall produced an estimated wind gust to 34 knots (39 MPH) near a mesonet at the Johnstown-Marine Museum near the MD-4 Thomas Johnson Bridge (MD045) at the Patuxent River.				
Outflow from the remnants of severe weather over the Ohio River Valley the previous evening produced sporadic gale-force wind gusts over the tidal Potomac River and Chesapeake Bay during the early morning hours.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- HART MILLER ISLAND (HRT) [39.25, -76.37]				
	03/30/24 20:54 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 20:54 EST	0		Source: Buoy
A thunderstorm produced an estimated wind gust to 34 knots (39 MPH) near the Hart Miller WeatherFlow sensor (XHRT).				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 3.9 N FORT HOWARD (FRM2) [39.26, -76.45]				
	03/30/24 20:55 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/24 21:05 EST	0		Source: Mesonet
Wind gusts of up to 36 knots (41 MPH) were measured by a Tempest station on Todd Point Lane adjacent to the Chesapeake Bay.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 4.8 SW FORT HOWARD (FRM2) [39.15, -76.50]				
	03/30/24 21:05 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 21:05 EST		0	Source: Mesonet
A thunderstorm produced an estimated wind gust to 34 knots (39 MPH) near a Tempest site on Colonial Beach Road adjacent to the Chesapeake Bay.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- TOLCHESTER MD (TCBM2) [39.21, -76.24]				
	03/30/24 21:06 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	03/30/24 21:06 EST		0	Source: Buoy
A wind gust of 38 knots (44 MPH) was measured by the Tolchester Beach NOS sensor (TCBM2).				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- PATAPSCO BUOY (44043) [39.15, -76.39]				
	03/30/24 21:12 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	03/30/24 21:18 EST		0	Source: Buoy
Wind gusts of up to 35 knots (40 MPH) were measured by the Patapsco CBIBS sensor (44043).				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.5 NW SANDY POINT (SPT) [39.07, -76.51]				
	03/30/24 21:15 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	03/30/24 21:15 EST		0	Source: Mesonet
A wind gust of 37 knots (43 MPH) was measured by a Tempest station at Spriggs Pond Jetty adjacent to the Chesapeake Bay.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS (KNAK) [38.98, -76.48]				
	03/30/24 21:18 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	03/30/24 21:18 EST		0	Source: ASOS
A wind gust of 38 knots (44 MPH) was measured by the ASOS at Annapolis U.S. Naval Academy (KNAK) adjacent to the Chesapeake Bay.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03]				
	03/30/24 21:21 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/24 21:23 EST		0	Source: ASOS
Wind gusts of up to 36 knots (41 MPH) were measured by the ASOS at Ronald Reagan Washington National Airport (KDCA) adjacent to the upper tidal Potomac River.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBURY POINT (GBY) [38.97, -76.46]				
	03/30/24 21:23 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	03/30/24 21:33 EST		0	Source: Buoy
Wind gusts of up to 41 knots (47 MPH) were measured by the Greenbury Point WeatherFlow sensor (XGRN).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS MD (APAM2) [38.98, -76.48]				
	03/30/24 21:24 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	03/30/24 21:30 EST		0	Source: Buoy
Wind gusts of up to 38 knots (44 MPH) were measured by the Annapolis NOS sensor (APAM2).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]				
	03/30/24 21:24 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	03/30/24 21:34 EST		0	Source: Buoy
Wind gusts of up to 40 knots (46 MPH) were measured by the Tolly Point WeatherFlow sensor (XTOL).				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 1.5 NNE TOLCHESTER MD (TCBM2) [39.23, -76.23]				
	03/30/24 21:25 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 21:25 EST		0	Source: Mesonet
A thunderstorm produced an estimated wind gust to 34 knots (39 MPH) near a Tempest station on North Bayview Avenue adjacent to the Chesapeake Bay.				

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CHESTER RIVER TO QUEENSTOWN MD COUNTY --- 1.5 SSW ROCK HALL ES (RKHAL) [39.12, -76.25]				
	03/30/24 21:25 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	03/30/24 21:25 EST		0	Source: Mesonet
A wind gust of 34 knots (39 MPH) was measured by a Tempest station at Huntingfield Point adjacent to the tidal Chester River.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND (KNT) [38.92, -76.36]				
	03/30/24 21:29 EST	0		Marine Thunderstorm Wind (MG 53 kt)
	03/30/24 21:34 EST		0	Source: Buoy
Wind gusts of up to 53 knots (61 MPH) were measured by the Kent Island WeatherFlow sensor (XKNT).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 1.6 WNW SHADY SIDE ES (SHADY) [38.85, -76.54]				
	03/30/24 21:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 21:30 EST		0	Source: Mesonet
A thunderstorm produced an estimated wind gust to 34 knots (39 MPH) near a mesonet in Galesville (EW0112) adjacent to the Chesapeake Bay.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- SAUNDERS POINT LIGHT [38.88, -76.48]				
	03/30/24 21:30 EST	0		Marine Thunderstorm Wind (MG 54 kt)
	03/30/24 21:40 EST		0	Source: Buoy
Wind gusts of up to 54 knots (62 MPH) were measured by the Saunders Point Light WeatherFlow sensor (XMTR).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ST MARYS ES (ANNAS) [38.98, -76.49]				
	03/30/24 21:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 21:30 EST		0	Source: Mesonet
A thunderstorm produced an estimated wind gust to 34 knots (39 MPH) near a mesonet at St. Mary's Elementary School in Annapolis (ANNAS) adjacent to the Chesapeake Bay.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]				
	03/30/24 21:30 EST	0		Marine Thunderstorm Wind (MG 55 kt)
	03/30/24 21:30 EST		0	Source: Buoy
A wind gust of 55 knots (63 MPH) was measured by the Thomas Point NOS sensor (TPLM2).				
EASTERN BAY COUNTY --- 11.3 S US-50 (MD040) [38.81, -76.22]				
	03/30/24 21:40 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	03/30/24 21:45 EST		0	Source: Mesonet
Wind gusts of up to 35 knots (40 MPH) were measured by a Tempest station on New Post Road adjacent to Eastern Bay.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- OCCOQUAN RIVER (OCC) [38.64, -77.22]				
	03/30/24 21:42 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 21:52 EST		0	Source: Buoy
A squall produced estimated wind gusts to 34 knots (39 MPH) near the Occoquan River WeatherFlow sensor (XOCC).				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- HERRING BAY (HRB) [38.73, -76.54]				
	03/30/24 21:43 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	03/30/24 21:43 EST		0	Source: Buoy
A wind gust of 35 knots (40 MPH) was measured by the Herring Bay WeatherFlow sensor (XHRB).				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30]				
	03/30/24 21:44 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	03/30/24 21:44 EST		0	Source: AWOS
A wind gust of 34 knots (39 MPH) was measured by the AWOS at Quantico Marine Base (KNYG) adjacent to the tidal Potomac River.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 5.6 SSE KENT POINT MD (KPTM2) [38.77, -76.33]				
	03/30/24 21:45 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	03/30/24 21:45 EST		0	Source: Mesonet
A wind gust of 37 knots (43 MPH) was measured by a mesonet at Lowes Wharf adjacent to the Chesapeake Bay.				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- BLACKWALNUT HARBOR (BWH) [38.68, -76.33]				
	03/30/24 21:51 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	03/30/24 22:11 EST		0	Source: Buoy
Wind gusts of up to 37 knots (43 MPH) were measured by the Blackwalnut Harbor WeatherFlow sensor (XBWH).				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- GOOSSES REEF BUOY (44062) [38.56, -76.41]				
	03/30/24 22:06 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 22:06 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Gooses Reef CBIBS sensor (44062).				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC LIGHT 33 (LT3) [38.34, -76.99]				
	03/30/24 22:07 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/24 22:17 EST		0	Source: Buoy
Wind gusts of up to 36 knots (41 MPH) were measured by the Potomac Light WeatherFlow sensor (XLT3).				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 0.9 NE CAMBRIDGE (CAMM2) [38.58, -76.06]				
	03/30/24 22:09 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	03/30/24 22:09 EST		0	Source: Mesonet
A wind gust of 37 knots (43 MPH) was measured by a mesonet on the US-50 Choptank River Bridge (MD004).				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 6.4 WSW HORN POINT LAB (HPLWS) [38.55, -76.24]				
	03/30/24 22:15 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	03/30/24 22:15 EST		0	Source: Mesonet
A wind gust of 34 knots (39 MPH) was measured by a mesonet near Cambridge (GW0807) adjacent to the tidal Choptank River.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 4.6 S MID BAY BUOY [38.40, -76.39]				
	03/30/24 22:18 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/24 22:18 EST		0	Source: Buoy
A wind gust of 36 knots (41 MPH) was measured by the Cove Point NOS sensor (COVM2).				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK (MON) [38.23, -76.95]				
	03/30/24 22:18 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 22:18 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Monroe Creek WeatherFlow sensor (XMON).				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- COBB POINT (COB) [38.24, -76.83]				
	03/30/24 22:20 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/24 22:25 EST		0	Source: Buoy
Wind gusts of up to 36 knots (41 MPH) were measured by the Cobb Point WeatherFlow sensor (XCOB).				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER ASOS (KNHK) [38.29, -76.41]				
	03/30/24 22:36 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/24 22:36 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.				

Storm Data and Unusual Weather Phenomena - March 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT (PPTM2) [38.13, -76.53]				
	03/30/24 22:42 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	03/30/24 22:42 EST		0	Source: Buoy
A wind gust of 37 knots (43 MPH) was measured by the Piney Point NOS sensor (PPTM2).				

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]				
	03/30/24 22:54 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/30/24 22:54 EST		0	Source: Buoy
A squall produced an estimated wind gust to 34 knots (39 MPH) near the Bishops Head Pier NOS sensor (BISM2).				
Remnant outflow from decaying convection resulting in dry microbursts of gale- to storm-force during the late evening hours.				

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA				
	03/09/24 18:00 EST		0	Coastal Flood
	03/10/24 20:06 EST		0	
A strong onshore flow combined with high astronomical tides due to a New Moon resulted in moderate coastal flooding at Washington DC.				

MARYLAND, Central

(MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S				
	03/09/24 13:00 EST		0	Coastal Flood
	03/10/24 14:00 EST		0	
A moderate onshore flow combined with high astronomical tides due to a New Moon resulted in moderate coastal flood event at Annapolis and St. Mary's Counties.				

(MD-Z001) GARRETT				
	03/10/24 04:00 EST		0	Winter Storm
	03/11/24 01:00 EST		0	

(MD-Z501) EXTREME WESTERN ALLEGANY				
	03/10/24 04:00 EST		0	Winter Weather
	03/11/24 01:00 EST		0	
Upslope snow showers and squalls on the backside of an upper-level system produced snow accumulations of 2 to 8 inches. Winds gusted to 40-55 mph resulting in considerable blowing and drifting of snow. This reduced visibilities below one quarter of a mile at times.				

(MD-Z014) ANNE ARUNDEL				
	03/27/24 04:18 EST		0	Coastal Flood
	03/27/24 08:06 EST		0	
A snap-back event occurred on March 27th that brought water levels 2 ft above normal.				

VIRGINIA, North

(VA-Z503) WESTERN HIGHLAND				
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	03/01/24 17:00 EST		0	Winter Weather
	03/01/24 23:59 EST		0	

An area of low pressure moved across the Mid-Atlantic with temperatures near or just below freezing (32F) across the higher elevations of Virginia. This resulted in a period of snow, sleet, and freezing rain. Snow/sleet accumulations totaled a half inch to one inch. Freezing rain accreted a glaze to around one tenth of an inch.

(VA-Z054) ARLINGTON

03/09/24 18:42 EST	0	Coastal Flood
03/09/24 19:36 EST	0	

A strong onshore flow combined with high astronomical tides due to a New Moon resulted in moderate coastal flooding at Alexandria VA.

(VA-Z503) WESTERN HIGHLAND

03/10/24 04:00 EST	0	Winter Weather
03/11/24 01:00 EST	0	

Upslope snow showers and squalls on the backside of an upper-level system produced snow accumulations of 2 to 5 inches. Winds gusted to 40-55 mph resulting in blowing and drifting of snow. This reduced visibilities to around one quarter of a mile at times.

(VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE

03/20/24 00:00 EST	1.55M	Wildfire
03/21/24 00:00 EST	0	

The combination of an anomalously strong westerly wind event and extremely low relative humidity across the region sparked numerous wildfires across the entire region. Especially hard hit were communities across eastern West Virginia into the Shenandoah Valley of northwestern Virginia. Several large fires burned a total of 17,008 acres in these areas. Several other smaller fires were noted, but were able to be contained quick enough to cover relatively small areas.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z040) RAPPAHANNOCK, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

03/20/24 11:30 EST	0	High Wind (MAX 59 kt)
03/20/24 15:30 EST	0	

Strong westerly downslope winds developed in the early to mid afternoon on March 20. This event occurred as a pressure trough moved across the Potomac Highlands and Shenandoah Valley during peak heating, with the resulting deep mixing bringing strong winds and very dry air from aloft down to the surface. This was a rare high wind event that reached the valley floor in the Shenandoah Valley. The extremely low relative humidity values and high winds fueled numerous wildfires across the entire region.

NELSON COUNTY --- 0.3 WNW TYRO [37.82, -79.00]

03/31/24 17:14 EST	0	Hail (1.00 in)
03/31/24 17:14 EST	0	Source: Trained Spotter

Quarter size hail was reported in Tyro.

An isolated supercell thunderstorm produced marginally severe hail over portions of the central Virginia Piedmont.

WEST VIRGINIA, East

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

03/01/24 17:00 EST	0	Winter Weather
03/01/24 23:59 EST	0	

An area of low pressure moved across the Mid-Atlantic with temperatures near or just below freezing (32F) across the higher elevations of West Virginia. This resulted in a period of snow, sleet, and freezing rain. Snow/sleet accumulations totaled a half inch to one inch. Freezing rain accreted a glaze to around one tenth of an inch.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

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	03/10/24 04:00 EST		0	Winter Storm
	03/11/24 01:00 EST		0	

(WV-Z503) WESTERN MINERAL

	03/10/24 04:00 EST		0	Winter Weather
	03/11/24 01:00 EST		0	

Upslope snow showers and squalls on the backside of an upper-level system produced snow accumulations of 2 to 8 inches. Winds gusted to 40-55 mph resulting in considerable blowing and drifting of snow. This reduced visibilities below one quarter of a mile at times.

(WV-Z055) HARDY

	03/20/24 00:00 EST		0	Wildfire
	03/21/24 00:00 EST		0	

The combination of an anomalously strong westerly wind event and extremely low relative humidity across the region sparked numerous wildfires across the entire region. Especially hard hit were communities across eastern West Virginia into the Shenandoah Valley of northwestern Virginia. Several large fires burned a total of 17,008 acres in these areas. Several other smaller fires were noted, but were able to be contained quick enough to cover relatively small areas.

(WV-Z502) EASTERN GRANT, (WV-Z506) EASTERN PENDLETON

	03/20/24 11:00 EST		0	High Wind (MAX 55 kt)
	03/20/24 14:00 EST		0	

Strong westerly downslope winds developed in the early to mid afternoon on March 20. This event occurred as a pressure trough moved across the Potomac Highlands and Shenandoah Valley during peak heating, with the resulting deep mixing bringing strong winds and very dry air from aloft down to the surface. This was a rare high wind event that reached the valley floor in the Shenandoah Valley. The extremely low relative humidity values and high winds fueled numerous wildfires across the entire region.