

Storm Data and Unusual Weather Phenomena - February 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK (MON) [38.23, -76.95]				
	02/07/20 08:38 EST	0		Marine Thunderstorm Wind (MG 46 kt)
	02/07/20 08:38 EST	0		Source: Buoy
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- COBB POINT (COB) [38.24, -76.83]				
	02/07/20 08:41 EST	0		Marine Thunderstorm Wind (MG 55 kt)
	02/07/20 08:46 EST	0		Source: Buoy
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]				
	02/07/20 09:10 EST	0		Marine Thunderstorm Wind (MG 47 kt)
	02/07/20 09:10 EST	0		Source: Buoy
PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- SOLOMONS ISLAND (SLIM2) [38.32, -76.45]				
	02/07/20 09:12 EST	0		Marine Thunderstorm Wind (MG 55 kt)
	02/07/20 09:12 EST	0		Source: Mesonet
PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- 3.2 SE SOLOMONS ISLAND (SLIM2) [38.29, -76.41]				
	02/07/20 09:16 EST	0		Marine Thunderstorm Wind (MG 54 kt)
	02/07/20 09:16 EST	0		Source: ASOS
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA (LWS) [38.00, -76.47]				
	02/07/20 09:18 EST	0		Marine Thunderstorm Wind (MG 56 kt)
	02/07/20 09:18 EST	0		Source: Mesonet
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA MD (LWTV2) [38.00, -76.47]				
	02/07/20 09:18 EST	0		Marine Thunderstorm Wind (MG 56 kt)
	02/07/20 09:18 EST	0		Source: Mesonet
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD FIRE DEPARTMENT (CRSFL) [37.98, -75.86]				
	02/07/20 09:35 EST	0		Marine Thunderstorm Wind (MG 50 kt)
	02/07/20 09:35 EST	0		Source: Mesonet
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- LOWER HOOPERS ISLAND (HPR) [38.26, -76.18]				
	02/07/20 09:38 EST	0		Marine Thunderstorm Wind (MG 48 kt)
	02/07/20 09:38 EST	0		Source: Mesonet
An area of low pressure formed over the area in response to an impressive longwave trough approaching from the west. A line of low-topped showers and thunderstorms formed along the system's cold front, leading to instances of high winds over the waters.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03]				
	02/26/20 23:30 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	02/26/20 23:30 EST	0		Source: ASOS
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- NATIONALS PARK (WSHNP) [38.87, -77.01]				
	02/26/20 23:30 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	02/26/20 23:30 EST	0		Source: Mesonet
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- WASHINGTON DC (WASD2) [38.87, -77.02]				
	02/26/20 23:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	02/26/20 23:30 EST	0		Source: Mesonet
Wind gusts in excess of 30 knots were observed along Washington Channel at Hains Point Park.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/27/20 00:20 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	02/27/20 00:20 EST		0	Source: Buoy
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CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 2.9 N ROD N REEL CHESAPEAKE BEACH (CHSRL) [38.73, -76.54]				
	02/27/20 00:23 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/27/20 00:23 EST		0	Source: Buoy
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CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.2 SSE (KW29)BAY BRIDGE AIRPORT [38.98, -76.33]				
	02/27/20 00:25 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	02/27/20 00:25 EST		0	Source: Mesonet
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CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- GROVE POINT (GVP) [39.40, -76.04]				
	02/27/20 00:31 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/27/20 00:31 EST		0	Source: Buoy
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Wind gusts in excess of 30 knots were observed at Grove Point.				
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CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- BLACKWALNUT HARBOR (BWH) [38.68, -76.33]				
	02/27/20 00:42 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	02/27/20 00:42 EST		0	Source: Buoy
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CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- CAMBRIDGE (CAMP2) [38.57, -76.07]				
	02/27/20 00:54 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	02/27/20 00:54 EST		0	Source: Mesonet
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A developing area of low pressure tracked from northern Virginia toward New Jersey, dragging a cold front across the waters. A narrow band of low-topped thunderstorms developed in the warm humid airmass in advance of the front. These storms produced high winds as they tracked across the waters.				
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MARYLAND, Central				
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(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD				
	02/01/20 01:28 EST		0	Dense Fog
	02/01/20 10:00 EST		0	
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Calm winds and clearing skies after a period of rain the preceding evening led to the formation of dense fog across portions of central and northern Maryland.				
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(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD				
	02/07/20 04:08 EST		0	Dense Fog
	02/07/20 06:49 EST		0	
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Areas of dense fog formed near and to the northwest of a coastal front across portions of central and northern Maryland.				
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MONTGOMERY COUNTY --- 1.8 SSW WHITES FERRY [39.18, -77.48], 1.3 SSE WHITES FERRY [39.18, -77.46]				
	02/07/20 07:28 EST		92K	Tornado (EF1, L: 1.11 mi , W: 150 yd)
	02/07/20 07:29 EST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Staff from NOAA's National Weather Service Baltimore/Washington Weather Forecast Office located in Sterling, VA performed a survey of storm damage that occurred in western Montgomery County MD near Dickerson. This survey, coupled with radar analysis from the KLWX WSR-88D radar and an FAA Terminal Doppler Weather Radar (TIAD), concluded that a tornado rated EF1 on the Enhanced Fujita Scale impacted portions of extreme western Montgomery County MD near Dickerson.</p> <p>Initial damage was noted in trees just west of a farm near the Potomac River off Martinsburg Road. A large barn used to house horses lost all of its roof while an adjacent open-air pole barn was flattened. Several small outbuildings were destroyed. Bleachers at a horse showing facility were overturned. A metal frame windmill tower was toppled. Numerous trees, both hardwood and softwood, were either uprooted or snapped. Then the tornado moved northeast across open fields. It then crossed Martinsburg Rd near a farmhouse where several large trees were uprooted and a farmhouse lost many shingles. No damage was noted past the farm house.</p> <p>This tornado was not the same one that struck near Leesburg, VA earlier. Rather it was a short-lived tornado that spun up quickly to the northeast of the circulation that spawned the Leesburg, VA EF0 tornado.</p>				
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MONTGOMERY COUNTY --- 0.2 E DAWSONVILLE [39.13, -77.35], 2.3 ENE DAWSONVILLE [39.14, -77.31]				
	02/07/20 07:38 EST		70K	Tornado (EF0, L: 2.08 mi , W: 75 yd)
	02/07/20 07:39 EST		0	Source: NWS Storm Survey
<p>Staff from NOAA's National Weather Service Baltimore/Washington Weather Forecast Office located in Sterling, VA performed a survey of storm damage that occurred in west-central Montgomery County MD near Boyds. This survey, coupled with radar analysis from the KLWX WSR-88D radar and an FAA Terminal Doppler Weather Radar (TIAD), concluded that a tornado rated EF0 on the Enhanced Fujita Scale impacted portions of west-central Montgomery County MD near Boyds and Dawsonville.</p> <p>Initial damage was noted on Darnestown Road (Rt 28) between White Ground Rd and Sugarland Rd where several softwood trees were topped and fell across utility lines on Darnestown Rd.</p> <p>After passing over largely rural fields and woodlands the tornado damaged several structures at a dog training facility in the 14000 block of Schaeffer Road. Here an open facing storage outbuilding was flattened. Roofing material carried from the destroyed outbuilding damaged two other office trailer structures. A 10 foot 2x4 impaled the side of one of the office trailers while another 2x4 impaled the roof of the second office trailer. Some tree damage was noted just to the northeast of this facility but all damage ended shortly thereafter.</p>				
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MONTGOMERY COUNTY --- 0.3 ENE HYATTSTOWN [39.28, -77.31]				
	02/07/20 07:41 EST		5K	Thunderstorm Wind (EG 56 kt)
	02/07/20 07:41 EST		0	Source: Emergency Manager
<p>Downed tree and branches on MD-109 between I-270 and MD-355. Tree down on a vehicle. Several other trees down in the area.</p>				
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FREDERICK COUNTY --- 1.6 WNW FOUNTAIN MILLS [39.34, -77.28], 2.5 N PLANE NUMBER FOUR [39.42, -77.19]				
	02/07/20 07:44 EST		0.34M	Tornado (EF1, L: 6.74 mi , W: 150 yd)
	02/07/20 07:50 EST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Staff from NOAA's National Weather Service Baltimore/Washington Weather Forecast Office located in Sterling, VA performed a survey of storm damage that occurred in eastern Frederick County MD near Monrovia and New Market. This survey, coupled with radar analysis from the KLWX WSR-88D radar and an FAA Terminal Doppler Weather Radar (TIAD), concluded that a tornado rated EF1 on the Enhanced Fujita Scale impacted portions of eastern Frederick County MD.</p> <p>Initial damage was to several structures at a farm in the 11000 block of Fingerboard Road, where a machine shed and barn were flattened. A silo was also heavily damaged. Tree damage was noted near the intersection of State routes 75 and 80. A large swath of tree and utility line damage was noted along Lynn Burke Rd near Old Bartholows Rd just south of I-70.</p> <p>The tornado crossed I-70 and moved along Jesse Smith Rd where more tree damage (uprooted and topped) was observed. Further north along the 12900 block of Jesse Smith Rd, more significant tree damage occurred with numerous softwood trees topped at two residences along a concentrated damage path.</p> <p>The tornado continued northeast over open country before crossing Old Annapolis Rd near Ravenwood Rd, producing extensive tree damage at several residences. Finally, the tornado caused tree damage as it crossed Bottom Rd along Woodville Branch and continued into a wooded area that was not surveyed due to impending darkness.</p>				
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MONTGOMERY COUNTY --- 0.5 NNE MIDDLEBROOK [39.19, -77.25]				
	02/07/20 07:44 EST		10K	Thunderstorm Wind (EG 70 kt)
	02/07/20 07:44 EST		0	Source: Emergency Manager
<p>Tree fell into a house. Multiple trees and a couple light poles blown down and shed blown apart in parking lot of Montgomery College - Germantown Campus.</p>				
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FREDERICK COUNTY --- 3.3 SE UNIONVILLE [39.44, -77.14]				
	02/07/20 07:53 EST		3K	Thunderstorm Wind (EG 61 kt)
	02/07/20 07:53 EST		0	Source: Public
<p>Multiple trees and branches down at residence in 14900 block of Chelsea Circle.</p>				
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FREDERICK COUNTY --- 1.7 WSW SAMS CREEK [39.49, -77.13]				
	02/07/20 07:55 EST		5K	Thunderstorm Wind (EG 65 kt)
	02/07/20 07:55 EST		0	Source: Public
<p>Multiple uprooted trees on property near the 15200 block of Oak Orchard Road.</p>				
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HOWARD COUNTY --- 1.4 N LISBON [39.35, -77.07]				
	02/07/20 07:58 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 07:58 EST		0	Source: 911 Call Center
<p>Tree down in 700 block of Lisbon Center Drive.</p>				
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CARROLL COUNTY --- 0.6 S AVONDALE [39.56, -77.03], 0.7 SSW MANCHESTER [39.66, -76.89]				
	02/07/20 08:03 EST		0.57M	Tornado (EF1, L: 10.31 mi , W: 100 yd)
	02/07/20 08:14 EST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Early on Friday Feb 7th, a tornado touched down and skipped northeast across central Carroll County MD causing erratic damage. While there was scattered tree damage across southwestern Carroll County, the first noted damage consistent with a tornado was in the Avondale Ridge community just west of Route 31 and southwest of Westminster. Clusters of snapped and uprooted trees were noted. From there the tornado caused intermittent damage as it traveled northeast through downtown Westminster, roughly paralleling Ridge Road and Union Street. Trees were uprooted and snapped, some onto cars, roads, and homes. Additionally, roofing was blown off, and shingle and siding damage was noted from the wind. The tornado continued up Hahn Rd and into the community along Sunshine Way, where more snapped and uprooted trees were noted, as well as residential fencing damage. A large recreational vehicle was blown over. On adjacent property, the National Guard Recruiting Office had tree damage. Additionally, a small military trailer was blown over. The last known damage from this segment of the tornado was along Lucabaugh Mill Rd, about 250 yards west of Route 27/Manchester Rd. Most of the trees along this area were heavily damaged or downed. In addition to ground surveying, there was an eyewitness report, as well as a video of a small tornado posted to social media, both in the Westminster area. Peak estimated winds were 90 MPH based on the most heavily damaged areas.</p> <p>The tornado lifted northeast of Westminster, and no damage was noted for about 4 miles until it neared Manchester MD. Substantial tree damage, with numerous large trees uprooted and snapped were noted along Fort Schoolhouse Rd, from Albert Rill Road, to the northeast about 400 yards. A home had a section crushed by a large falling tree. As the tornado traveled northeast along Park Avenue, tree damage became more scattered, and no tornadic damage was noted northeast of MD Route 30 in Manchester.</p>				
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HOWARD COUNTY --- 1.5 WNW HIGHLAND [39.19, -76.99]	02/07/20 08:08 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:08 EST		0	Source: 911 Call Center
Tree down in 6800 block of Haviland Mill Road.				
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HOWARD COUNTY --- 1.6 E MAYFIELD [39.30, -76.90]	02/07/20 08:10 EST		2K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:10 EST		0	Source: 911 Call Center
Tree down near intersection of Marriottsville Road and Baltimore National Pike. Tree down near intersection of Driver Road and Marriottsville Road.				
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CARROLL COUNTY --- 0.1 NW MILLERS [39.67, -76.85]	02/07/20 08:15 EST		3K	Thunderstorm Wind (MG 58 kt)
	02/07/20 08:15 EST		0	Source: COOP Observer
Wind gust of 67 mph measured along with multiple trees down in Millers.				
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HOWARD COUNTY --- 0.5 WSW EAST LIOAK [39.23, -76.89]	02/07/20 08:15 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:15 EST		0	Source: 911 Call Center
Tree down near intersection of Cedar Lane and Lightfoot Path.				
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HOWARD COUNTY --- 0.9 N BRINKLEIGH MANOR [39.29, -76.83]	02/07/20 08:18 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:18 EST		0	Source: 911 Call Center
Tree down to the south of the I-70 and US-29 ramp.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HOWARD COUNTY --- 0.8 NNW JONESTOWN [39.23, -76.83]				
	02/07/20 08:19 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:19 EST		0	Source: 911 Call Center
Tree down near the intersection of Red Branch Road and Old Annapolis Road.				
HOWARD COUNTY --- 0.7 SSE OAKLAND MILLS [39.21, -76.84]				
	02/07/20 08:21 EST		3K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:21 EST		0	Source: 911 Call Center
Tree down in 5800 block of Thunder Hill Road. Tree down near the intersection of Rogers Avenue and Brightwell Drive. Tree down in 8400 block of High Ridge Road.				
HOWARD COUNTY --- 0.4 S GUILFORD [39.16, -76.83]				
	02/07/20 08:33 EST		3K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:33 EST		0	Source: 911 Call Center
Tree down near the intersection of Gilford Road and Oakland Mills Road. Tree down near intersection of Race Road and Church Avenue. Tree down near the intersection of Vollmerhausen Road and Dragonclaw Road.				
PRINCE GEORGE'S COUNTY --- 1.6 W LEELEND [38.87, -76.78]				
	02/07/20 08:42 EST		0.25K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:42 EST		0	Source: 911 Call Center
Large tree branch down onto power lines near the intersection of Largo Road and Hancock Drive.				
ST. MARY'S COUNTY --- 0.4 NNE DYNARD [38.33, -76.73]				
	02/07/20 08:42 EST		25K	Thunderstorm Wind (EG 56 kt)
	02/07/20 08:42 EST		0	Source: 911 Call Center
Unoccupied barn destroyed in Clements.				
ST. MARY'S COUNTY --- 1.0 E HILLVILLE [38.37, -76.60]				
	02/07/20 08:53 EST		30K	Thunderstorm Wind (EG 61 kt)
	02/07/20 08:53 EST		0	Source: 911 Call Center
Nearly 30 reports of trees and wires down across northern St. Mary's County. Large tree splintered down the middle in California.				
ANNE ARUNDEL COUNTY --- 0.8 WNW MC KENDREE [38.78, -76.64]				
	02/07/20 08:55 EST		2K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:55 EST		0	Source: 911 Call Center
Tree down blocking the road near the intersection of Fishers Station Road and West Bayfront Road. Tree down onto MD-4 southbound lane near Lower Pindell Road.				
ST. MARY'S COUNTY --- 1.5 SSE SOTTERLEY [38.36, -76.52]				
	02/07/20 09:00 EST		0	Thunderstorm Wind (MG 56 kt)
	02/07/20 09:00 EST		0	Source: Mesonet
Wind gust to 65 mph measured by a mesonet near Sotterley.				
ANNE ARUNDEL COUNTY --- 0.7 ESE LAKE SHR [39.10, -76.47]				
	02/07/20 09:02 EST		2K	Thunderstorm Wind (EG 52 kt)
	02/07/20 09:02 EST		0	Source: 911 Call Center
Tree down near the intersection of Eaglehill Road and North Shore Road. Tree down near the intersection of Shore Acres Road and Stonington Drive.				
CALVERT COUNTY --- 1.3 ESE APPEAL [38.36, -76.43]				
	02/07/20 09:02 EST		0.30M	Thunderstorm Wind (EG 61 kt)
	02/07/20 09:02 EST		0	Source: 911 Call Center

A dozen reports of trees down around Solomons and Lusby. About half involved trees falling onto homes. A marina structure collapsed impacting 20 boats.

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ST. MARY'S COUNTY --- (NHK)NAS PATUXENT RI [38.28, -76.43]				
	02/07/20 09:17 EST		10K	Thunderstorm Wind (EG 58 kt)
	02/07/20 09:17 EST		0	Source: ASOS
Wind gust of 67 mph measured at Patuxent River Naval Air Station. Multiple trees down on the base.				
An area of low pressure formed over the area in response to an impressive longwave trough approaching from the west. A line of low-topped showers and thunderstorms formed along the system's cold front, leading to the formation of multiple tornadoes within the high shear-low CAPE environment. These tornadoes, along with straight-line winds from other storms, produced widespread damage across much of central and northern Maryland.				
(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK				
	02/26/20 04:04 EST		0	Dense Fog
	02/26/20 09:00 EST		0	
Clearing skies and light winds in the presence of a saturated lower atmosphere led to the development of dense fog across portions of western Maryland.				
VIRGINIA, North				
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z050) ORANGE				
	02/01/20 04:06 EST		0	Dense Fog
	02/01/20 11:35 EST		0	
Calm winds and clearing skies after a period of rain the preceding evening led to the formation of dense fog across the Shenandoah Valley and portions of central Virginia.				
(VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z502) SOUTHERN FAUQUIER				
	02/01/20 21:35 EST		0	Dense Fog
	02/02/20 08:15 EST		0	
Light winds and saturated conditions at low levels led to the development of dense fog across portions of the central Virginia Piedmont.				
(VA-Z031) CLARKE, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN				
	02/07/20 04:08 EST		0	Dense Fog
	02/07/20 08:00 EST		0	
Areas of dense fog formed along and to the northwest of a coastal front across portions of northern Virginia.				
LOUDOUN COUNTY --- 2.0 ENE WOODBURN [39.09, -77.59], 0.7 NNE LEESBURG [39.13, -77.54]				
	02/07/20 07:20 EST		5.78M	Tornado (EF0, L: 3.36 mi , W: 250 yd)
	02/07/20 07:23 EST		0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Staff from NOAA's National Weather Service Baltimore/Washington Weather Forecast Office located in Sterling, VA performed a survey of storm damage that occurred in the Town of Leesburg, VA on the morning of February 7, 2020. This survey, coupled with radar analysis from the KLWX WSR-88D and the FAA's TIAD Terminal Doppler Weather Radar, concluded that a tornado rated EF0 on the Enhanced Fujita Scale impacted the Town of Leesburg between 7:20 AM EST and 7:23 AM EST. The tornado had a path length of 3.3 miles producing intermittent damage, with a path width of up to 250 yards. The tornado was moving northeast at approximately 60 mph.

The first damage was reported in the Greenway Farm and Linden Hill subdivision in SW Leesburg. Here numerous large tree limbs were downed along with several trees completely uprooted. The damage was determined to be concentrated between Lawford Drive and Nickels Drive in a wooded area, and also along Governors Drive and Country Club Drive. TIAD radar was showing a rotational signature beginning at 7:20 AM in these locations. Wind gusts in this area were estimated to be 65 MPH from radar analysis and damage indicators.

The tornado then lifted over Route 7, with just some minor tree damage noted in the 800 block of Davis Court SE. The historic downtown portion of the Town of Leesburg, near King and Market Streets, was spared with just minimal damage. The only noteworthy damage that was observed was tree damage along Monroe Street.

As the tornado moved into NE Leesburg, both the radar and the storm survey indicated that it became much stronger. Two areas of widespread, concentrated tree damage were found. The first one was in the vicinity of Lounsberry Road NE and the Exeter Subdivision; which are north of Edwards Ferry Road and south of Battlefield Parkway NE. A townhome on Ginger Square NE had its siding and underlayment completely peeled off, exposing its roof trusses. Many homes along Marshall Drive NE also had roofing damage, along with trees uprooted and large branches downed. One house had lawn furniture lifted and blown in the opposite direction of the way the trees were fallen and debris was plastered on cars and homes. Damage was noted spanning the 500 and 600 blocks of Marshall Drive NE, which supports the damage width estimate of 250 yards.

The other area of concentrated wind damage was north of Battlefield Parkway NE, in and around the Fieldstone Apartment complex. Here, fifteen to twenty 1.5-2.0 foot diameter pines were uprooted. Of special note was a line of 5 large pine trees in the easternmost portion of the apartment complex which were uprooted and which fell onto two unoccupied vehicles. Several of these trees did fall in a convergent pattern. Additional large pine trees were uprooted along the US Route 15 Leesburg Bypass near its intersection with Battlefield Parkway NE.

Analysis from TIAD radar showed velocity measurements up to 77 knots at approximately 210 feet above ground level as the tornado was in the vicinity of the Fieldstone Apartments. Taking into account some decrease in the wind's magnitude as it got closer to ground level, along with the damage indicated in and around the Fieldstone Apartments, corroborates estimated wind gusts of up to 85 mph.

The NWS Baltimore/Washington Weather Forecast Office thanks the Loudoun County Office of Emergency Management with providing information supporting the storm survey.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FAIRFAX COUNTY --- 0.5 NW CLIFTON [38.78, -77.39]				
	02/07/20 07:58 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 07:58 EST		0	Source: County Official
Road closure due to downed tree near Clifton Road and Main Street.				
FAIRFAX COUNTY --- 0.6 WNW POHICK ESTATES [38.73, -77.21]				
	02/07/20 08:12 EST		2K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:12 EST		0	Source: 911 Call Center
Tree down onto wires near intersection of Rolling Road and Pohick Road. Road closure due to downed tree near Hooes Road and Lackawanna Drive.				
FAIRFAX COUNTY --- 2.1 SE BAILEYS XRDS [38.85, -77.12]				
	02/07/20 08:15 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:15 EST		0	Source: 911 Call Center
Tree down onto wires near Route 7 and Carlin Springs Road.				
FAIRFAX COUNTY --- 1.0 SSE GUILFORD [38.77, -77.12]				
	02/07/20 08:18 EST		1K	Thunderstorm Wind (EG 52 kt)
	02/07/20 08:18 EST		0	Source: 911 Call Center
Tree down onto wires near intersection of Telegraph Road and South Kings Highway.				
<p>An area of low pressure formed over the area in response to an impressive longwave trough approaching from the west. A line of low-topped showers and thunderstorms formed along the system's cold front, leading to instances of damaging winds and even a tornado in Leesburg within the high shear-low CAPE environment.</p>				
<p>(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z028) FREDERICK, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z051) CULPEPER, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE</p>				
	02/26/20 03:15 EST		0	Dense Fog
	02/26/20 11:22 EST		0	
<p>Clearing skies and light winds in the presence of a saturated lower atmosphere led to the development of dense fog across portions of northern and central Virginia.</p>				
CULPEPER COUNTY --- 2.6 SW MONUMENT MILLS [38.57, -78.03]				
	02/26/20 21:05 EST		0	Thunderstorm Wind (EG 52 kt)
	02/26/20 21:05 EST		0	Source: 911 Call Center
Tree down along Settle School Road near Dutch Hollow Road.				
ORANGE COUNTY --- 1.3 ENE ORANGE [38.26, -78.10]				
	02/26/20 21:40 EST		0	Thunderstorm Wind (EG 52 kt)
	02/26/20 21:40 EST		0	Source: 911 Call Center
Tree down across Rapidan Road in Orange.				
<p>A developing area of low pressure tracked from northern Virginia toward New Jersey, dragging a cold front across the area. A narrow band of low-topped thunderstorms developed in the warm humid airmass in advance of the front. These storms produced a couple damaging wind gusts as they progressed through portions of central Virginia.</p>				
WEST VIRGINIA, East				
(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT				
	02/01/20 02:15 EST		0	Dense Fog
	02/01/20 08:47 EST		0	
Calm winds and clearing skies after a period of rain the preceding evening led to the formation of dense fog across portions of the				

Storm Data and Unusual Weather Phenomena - February 2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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eastern West Virginia Panhandle.

(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON

02/07/20 04:08 EST	0	Dense Fog
02/07/20 06:49 EST	0	

Areas of dense fog formed along and to the northwest of a coastal front, impacting portions of the eastern West Virginia Panhandle.

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON

02/26/20 05:43 EST	0	Dense Fog
02/26/20 09:00 EST	0	

Clearing skies and light winds in the presence of a saturated lower atmosphere led to the development of dense fog across portions of the eastern West Virginia Panhandle.

(WV-Z501) WESTERN GRANT

02/26/20 21:00 EST	0	Winter Weather
02/27/20 07:00 EST	0	

Upslope flow behind a departing area of low pressure led to periods of snow along the Allegheny Front. Accumulations of 3 to 4 inches were observed in Western Grant County.

(WV-Z501) WESTERN GRANT

02/27/20 07:00 EST	0	Winter Weather
02/28/20 07:00 EST	0	

Upslope flow in the wake of a departing area of low pressure led to continued snow shower activity along the Allegheny Front. Accumulations between 4 and 5 inches were observed in Western Grant County.

(WV-Z501) WESTERN GRANT

02/28/20 07:00 EST	0	Winter Weather
02/29/20 07:00 EST	0	

Upslope flow to the south of an occluded area of low pressure centered over southern Canada continued, leading to snow showers along the Allegheny Front. Totals of around 4 inches were observed in Western Grant County.