

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 7.8 NNW HORN POINT [38.70, -76.19]				
	02/03/16 14:10 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	02/03/16 14:10 EST		0	Source: Mesonet
BWH reported gusts of 35 knots.				
A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development over land the waters.				
CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- CAMBRIDGE [38.57, -76.07]				
	02/24/16 14:42 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	02/24/16 16:06 EST		0	Source: C-MAN Station
CAMM2 reported gusts of 36 knots.				
PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- SOLOMONS ISLAND [38.32, -76.45]				
	02/24/16 14:48 EST		0	Marine Thunderstorm Wind (MG 48 kt)
	02/24/16 14:48 EST		0	Source: C-MAN Station
SLIM2 reported gusts of 36 knots.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD [37.97, -75.88]				
	02/24/16 15:40 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	02/24/16 15:40 EST		0	Source: Mesonet
CRSFL reported gusts of 36 knots.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS [38.98, -76.48]				
	02/24/16 16:33 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/24/16 16:33 EST		0	Source: ASOS
NAK reported gusts of 36 knots.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT [38.94, -76.44]				
	02/24/16 16:40 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	02/24/16 16:40 EST		0	Source: ASOS
TOL reported gusts of 36 knots.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBERRY POINT [38.97, -76.46]				
	02/24/16 16:44 EST		0	Marine Thunderstorm Wind (MG 46 kt)
	02/24/16 16:44 EST		0	Source: ASOS
GBY reported gusts of 36 knots.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD [37.97, -75.88]				
	02/24/16 16:53 EST		0	Marine Thunderstorm Wind (MG 54 kt)
	02/24/16 17:05 EST		0	Source: Mesonet
CRS and CRSFL reported gusts between 41 and 54 knots.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 11.3 NNE QUANTICO [38.65, -77.24]				
	02/24/16 17:40 EST		0	Marine Thunderstorm Wind (EG 50 kt)
	02/24/16 17:40 EST		0	Source: 911 Call Center
Multiple trees were reported down around Woodbridge near Occoquan Bay.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO [38.50, -77.31]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/24/16 17:51 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/24/16 17:51 EST		0	Source: ASOS

KNYG reported gusts of 36 knots.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]

	02/24/16 18:17 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/24/16 18:17 EST		0	Source: ASOS

KDCA reported gusts of 36 knots.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- MID BAY BUOY [38.47, -76.38]

	02/24/16 18:50 EST		0	Marine Thunderstorm Wind (MG 52 kt)
	02/24/16 19:40 EST		0	Source: Buoy

Buoy 44062 reported gusts between 39 and 52 knots.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 8.8 WNW PINEY POINT [38.16, -76.69], 8.8 NW PINEY POINT [38.23, -76.64]

	02/24/16 19:05 EST		0	Waterspout
	02/24/16 19:12 EST		0	Source: NWS Storm Survey

The National Weather Service Baltimore/Washington Weather Forecast Office has confirmed a waterspout and tornado struck the Potomac River, moving into St. Mary's County just south of Beauvue on Tuesday, February 24, 2016. A National Weather Service ground survey along with radar analysis concluded the Tappahannock, Virginia tornado, which created a 30 mile path of damage across the middle peninsula and northern neck of Virginia crossed the Potomac and traveled a mile into St. Mary's County, Maryland before dissipating. Most of the 6.5 mile path in Maryland was over the Potomac River. The National Weather Service classified the storm once onshore as an EF-0. Peak winds were estimated at 65 mph. The path width was approximately 75 yards. No damage was reported over the water.

PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- SOLOMONS ISLAND [38.32, -76.45]

	02/24/16 19:30 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/24/16 19:30 EST		0	Source: C-MAN Station

SLIM2 reported gusts of 36 knots.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 11.3 E CHESAPEAKE BEACH [38.68, -76.33]

	02/24/16 19:50 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/24/16 19:50 EST		0	Source: Mesonet

BWH reported gusts of 36 knots.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA [38.00, -76.47]

	02/24/16 20:57 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	02/24/16 20:57 EST		0	Source: C-MAN Station

LWTV2 reported gusts of 36 knots.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

	02/09/16 19:49 EST		0	Coastal Flood
	02/09/16 20:48 EST		0	

Increased anomalies ahead of low pressure on southerly flow ranged from 1.5 to 2.5 ft. This combined with a higher astronomical tide resulted in moderate coastal flooding occurring across a small portion of the DC waterfront.

(DC-Z001) DISTRICT OF COLUMBIA

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/14/16 23:00 EST		0	Winter Weather
	02/16/16 06:00 EST		0	

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

DISTRICT OF COLUMBIA COUNTY --- 0.9 NW WALTER REED [38.99, -77.04]

02/24/16 17:58 EST	0	Thunderstorm Wind (EG 60 kt)
02/24/16 17:58 EST	0	Source: NWS Employee

Numerous trees were reported down on Portal Drive NW at Poplar Lane NW.

Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail.

DISTRICT OF COLUMBIA COUNTY --- 0.9 SW WALTER REED [38.97, -77.04], 0.5 ESE MOUNT PLEASANT [38.93, -77.04], 0.2 SSE MOUNT PLEASANT [38.93, -77.05], 0.2 NNW MOUNT PLEASANT [38.93, -77.05], 1.0 E TENLEYTOWN [38.95, -77.05], 1.1 WSW WALTER REED [38.97, -77.05]

02/24/16 18:45 EST	0	Flood (due to Heavy Rain)
02/24/16 23:45 EST	0	Source: River/Stream Gage

The stream gauge at Rock Creek on Rock Creek reached a flood stage of 7 feet. The gauge peaked at 7.73 feet at 00:30 EST. Water reached several portions of the Valley Trail between picnic areas 7 and 10 in Rock Creek Park. Water also approached Jewett Street near the Smithsonian National Zoo.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

(DC-Z001) DISTRICT OF COLUMBIA

02/24/16 19:33 EST	0	Coastal Flood
02/24/16 22:25 EST	0	

Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of the DC waterfront.

MARYLAND, Central

(MD-Z004) FREDERICK

02/01/16 22:45 EST	0	Dense Fog
02/02/16 04:30 EST	0	

Clearing skies with light winds under building high pressure led to patches of dense fog developing across portions of Central Maryland.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY

02/03/16 13:50 EST	0	Dense Fog
02/04/16 05:33 EST	0	

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Maryland.

MONTGOMERY COUNTY --- 0.5 ENE BROOKEVILLE [39.18, -77.06], 0.4 ENE BROOKEVILLE [39.18, -77.06], 0.4 E BROOKEVILLE [39.18, -77.06], 0.5 E BROOKEVILLE [39.18, -77.06]

02/03/16 15:29 EST	0	Flood (due to Heavy Rain)
02/03/16 17:29 EST	0	Source: Emergency Manager

Brookville Road was closed in both directions due to high water just west of Georgia Ave - MD 97.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MONTGOMERY COUNTY --- 1.4 ESE BARNESVILLE [39.22, -77.36], 1.3 ESE BARNESVILLE [39.22, -77.36], 1.3 ESE BARNESVILLE [39.22, -77.36], 1.3 ESE BARNESVILLE [39.22, -77.36]				
	02/03/16 15:36 EST		0	Flood (due to Heavy Rain)
	02/03/16 17:36 EST		0	Source: Emergency Manager
High water closes intersection at Barnesville Road and Peach Tree Road.				
CARROLL COUNTY --- 0.7 N MAYBERRY [39.64, -77.10], 0.5 NNW MAYBERRY [39.64, -77.10], 0.6 NNW MAYBERRY [39.64, -77.10], 0.7 N MAYBERRY [39.64, -77.10]				
	02/03/16 16:00 EST		0	Flood (due to Heavy Rain)
	02/04/16 10:15 EST		0	Source: State Official
Mayberry Road was closed due to high water.				
CARROLL COUNTY --- 0.3 E UNION BRIDGE [39.57, -77.18], 0.4 NE UNION BRIDGE [39.57, -77.17], 0.7 NE UNION BRIDGE [39.58, -77.17], 0.6 NNE UNION BRIDGE [39.58, -77.18], 0.1 NE UNION BRIDGE [39.57, -77.18]				
	02/03/16 18:00 EST		0	Flood (due to Heavy Rain)
	02/04/16 10:15 EST		0	Source: State Official
Maryland route 75 and North Main Street was closed due to high water just north of Union Bridge.				
CARROLL COUNTY --- 1.3 WSW GUNPOWDER [39.71, -76.85], 1.3 SW GUNPOWDER [39.71, -76.85], 1.6 WSW GUNPOWDER [39.71, -76.86], 1.5 WSW GUNPOWDER [39.71, -76.86], 1.2 WSW GUNPOWDER [39.71, -76.85]				
	02/03/16 18:00 EST		0	Flood (due to Heavy Rain)
	02/04/16 10:15 EST		0	Source: State Official
North of the Lineboro Road and Water Tank Road intersection was closed due to high water.				
FREDERICK COUNTY --- 1.1 W SAMS CREEK [39.50, -77.12], 1.4 WNW SAMS CREEK [39.50, -77.13], 1.9 WNW SAMS CREEK [39.51, -77.13], 1.6 WNW SAMS CREEK [39.51, -77.13], 0.8 WNW SAMS CREEK [39.50, -77.11], 0.7 W SAMS CREEK [39.50, -77.11], 0.9 W SAMS CREEK [39.50, -77.12]				
	02/03/16 18:00 EST		0	Flood (due to Heavy Rain)
	02/04/16 10:15 EST		0	Source: Emergency Manager
Sams Creek was out of its banks with about a foot of water flowing over Sams Creek Road.				
FREDERICK COUNTY --- PEARL [39.40, -77.37], 0.5 ENE PEARL [39.40, -77.36], 0.8 NNW REELS MILL [39.38, -77.38], 0.5 NW REELS MILL [39.37, -77.39], 0.1 S FREDERICK JCT [39.38, -77.40]				
	02/04/16 04:40 EST		0	Flood (due to Heavy Rain)
	02/05/16 01:21 EST		0	Source: River/Stream Gage
The stream gauge on Monocacy River at Frederick reached flood stage. The gauge peaked at 16.71 feet at 15:30 EST. Both banks of the river are flooded. Water began to flood low-lying fields at Monocacy National Battlefield. Water reached the access road of the Frederick City wastewater treatment plant. Backwater flooding occurred on several area creeks, particularly Carroll Creek in Frederick.				
MONTGOMERY COUNTY --- 4.4 SW POOLESVILLE [39.10, -77.47], 4.2 WSW POOLESVILLE [39.12, -77.49], 5.2 WSW POOLESVILLE [39.13, -77.51], 3.3 SW WHITES FERRY [39.17, -77.51], 3.5 SW WHITES FERRY [39.17, -77.52], 5.7 WSW POOLESVILLE [39.12, -77.52]				
	02/04/16 05:07 EST		0	Flood (due to Heavy Rain)
	02/05/16 23:25 EST		0	Source: River/Stream Gage
The river gauge on the Potomac River at Edwards Ferry reached flood stage. The gauge peaked at 17.63 feet at 02:00 EST. Water reached the boat ramp and lower parking area at Edwards Ferry, and begins to inundate areas near Whites Ferry.				
FREDERICK COUNTY --- 0.6 SW CERESVILLE [39.44, -77.38], 0.6 SE HARMONY GROVE [39.44, -77.39], 0.7 NNE FT DETRICK [39.44, -77.39], 0.9 ENE FT DETRICK [39.43, -77.38], 0.8 SW CERESVILLE [39.44, -77.38]				
	02/04/16 05:24 EST		0	Flood (due to Heavy Rain)
	02/04/16 22:00 EST		0	Source: River/Stream Gage
The stream gauge on Monocacy River at Frederick reached flood stage. The gauge peaked at 19.66 feet at 13:30 EST.				
MONTGOMERY COUNTY --- 0.5 E DAWSONVILLE [39.13, -77.34], 1.0 E DAWSONVILLE [39.13, -77.33], 1.0 NNW SENECA [39.09, -77.33], 1.4 NNW SENECA [39.10, -77.34]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/04/16 19:55 EST		0	Flood (due to Heavy Rain)
	02/04/16 22:14 EST		0	Source: River/Stream Gage

The stream gauge on Seneca Creek at Dawsonville reached flood stage. The gauge peaked at 7.55 feet at 22:20 EST. Portions of the Seneca Creek Greenway are flooded. A small portion of Berryville Road west of Darnestown begins to flood.

FREDERICK COUNTY --- 1.0 SSE POINTS OF ROCKS [39.27, -77.54], 0.5 SSE CATOCTIN STATION [39.29, -77.57], 0.3 NNW CATOCTIN STATION [39.30, -77.57], 1.0 SSW BRUNSWICK [39.31, -77.64], 0.1 WSW BRUNSWICK [39.32, -77.63], 0.8 SW CATOCTIN [39.31, -77.56], 0.9 ESE POINTS OF ROCKS [39.27, -77.54]

	02/05/16 00:15 EST		0	Flood (due to Heavy Rain)
	02/05/16 00:45 EST		0	Source: River/Stream Gage

The stream gauge on Potomac River at Point of Rocks reached flood stage. The gauge peaked at 16 feet at 00:15 EST. The parking lots at both the McKimney and Brunswick boat ramps began to flood. Flooding of an agricultural field adjacent to the McKimney boat ramp occurred. About half the lower parking lot of the Point of Rocks boat ramp also flooded.

A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

	02/08/16 22:00 EST		0	Winter Weather
	02/09/16 13:00 EST		0	

(MD-Z005) CARROLL

	02/09/16 03:00 EST		0	Winter Storm
	02/09/16 13:00 EST		0	

Two low pressure systems impacted the Mid-Atlantic while an upper level trough deepened across the region. As one low pushed to the south and then east, energy from the second low over the Great Lakes region was transferred to the coastal flow, resulting in snow banding across portions of central Maryland.

(MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S

	02/09/16 08:00 EST		0	Coastal Flood
	02/09/16 19:04 EST		0	

Increased anomalies ahead of low pressure on southerly flow ranged from 1.5 to 2.5 ft. This combined with a higher astronomical tide resulted in moderate coastal flooding occurring across southern Maryland.

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

	02/14/16 21:00 EST		0	Ice Storm
	02/16/16 10:00 EST		0	

(MD-Z004) FREDERICK, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

	02/14/16 23:00 EST		0	Winter Weather
	02/16/16 08:00 EST		0	

(MD-Z016) CHARLES, (MD-Z018) CALVERT

	02/14/16 23:00 EST		0	Winter Storm
	02/16/16 03:00 EST		0	

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

(MD-Z014) ANNE ARUNDEL

	02/21/16 17:12 EST		0	Dense Fog
	02/21/16 20:40 EST		0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Onshore flow as high pressure built in increased moisture in the lower levels, which under light winds, led to patches of dense fog to form.				
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(MD-Z017) ST. MARY'S				
	02/24/16 09:33 EST	0		Dense Fog
	02/24/16 12:43 EST	0		
A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog over southern Maryland.				
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CALVERT COUNTY --- 2.1 N PARRAN [38.63, -76.57]				
	02/24/16 16:10 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 16:10 EST	0		Source: 911 Call Center
Multiple trees were reported down at Hardesty Rd and Hardesty Court.				
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MONTGOMERY COUNTY --- 0.7 S CEDAR GROVE [39.24, -77.23]				
	02/24/16 17:42 EST	0		Thunderstorm Wind (EG 61 kt)
	02/24/16 17:42 EST	0		Source: Emergency Manager
Numerous wires were reported down at Route 27 at Davils Mill Rd.				
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MONTGOMERY COUNTY --- 0.5 W NEELSVILLE [39.20, -77.26]				
	02/24/16 17:45 EST	0		Thunderstorm Wind (MG 56 kt)
	02/24/16 17:45 EST	0		Source: Mesonet
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MONTGOMERY COUNTY --- 0.9 NE CEDAR GROVE [39.26, -77.22]				
	02/24/16 17:48 EST	0		Thunderstorm Wind (EG 61 kt)
	02/24/16 17:48 EST	0		Source: Emergency Manager
Numerous large trees were reported down on homes and power lines.				
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MONTGOMERY COUNTY --- 0.5 W NEELSVILLE [39.20, -77.26]				
	02/24/16 17:49 EST	0		Thunderstorm Wind (MG 61 kt)
	02/24/16 17:49 EST	0		Source: Mesonet
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MONTGOMERY COUNTY --- 0.7 N CEDAR GROVE [39.26, -77.23]				
	02/24/16 17:49 EST	0		Thunderstorm Wind (EG 61 kt)
	02/24/16 17:49 EST	0		Source: Public
Numerous white pine trees were snapped about 10 feet above the ground in a similar direction near Cedar Grove Elementary.				
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MONTGOMERY COUNTY --- 0.9 SW FOX CHAPEL [39.19, -77.24]				
	02/24/16 17:49 EST	0		Thunderstorm Wind (MG 54 kt)
	02/24/16 17:49 EST	0		Source: Mesonet
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MONTGOMERY COUNTY --- DAMASCUS [39.28, -77.20]				
	02/24/16 17:50 EST	0		Thunderstorm Wind (EG 61 kt)
	02/24/16 17:50 EST	0		Source: Public
Numerous trees were toppled in the Preakness Drive area.				
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CALVERT COUNTY --- WILLOWS [38.63, -76.53]				
	02/24/16 18:00 EST	0		Thunderstorm Wind (EG 61 kt)
	02/24/16 18:00 EST	0		Source: Trained Spotter
Multiple large trees uprooted and blown onto power lines, resulting in toppled power lines, all which resulted in blockage of the entire roadway.				
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HOWARD COUNTY --- 1.5 NNE COOKSVILLE [39.34, -77.01]				

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	02/24/16 18:06 EST		0	Thunderstorm Wind (EG 61 kt)
	02/24/16 18:06 EST		0	Source: Trained Spotter

A large cedar tree about two feet in diameter, was reported down.

PRINCE GEORGE'S COUNTY --- 0.7 N ACCOKEEK [38.68, -77.03]

	02/24/16 18:22 EST		0	Thunderstorm Wind (EG 52 kt)
	02/24/16 18:22 EST		0	Source: Trained Spotter

Multiple trees and power lines were reported down.

BALTIMORE COUNTY --- 0.9 SW RUXTON [39.39, -76.66]

	02/24/16 18:39 EST		0	Thunderstorm Wind (MG 56 kt)
	02/24/16 18:39 EST		0	Source: Trained Spotter

BALTIMORE COUNTY --- 3.5 WNW SPARROWS PT [39.29, -76.64]

	02/24/16 18:42 EST		0	Thunderstorm Wind (EG 56 kt)
	02/24/16 18:42 EST		0	Source: Broadcast Media

A large tree was reported down across Calhoun St in West Baltimore.

ST. MARY'S COUNTY --- 0.5 E AVENUE [38.25, -76.76]

	02/24/16 18:56 EST		0	Thunderstorm Wind (EG 56 kt)
	02/24/16 18:56 EST		0	Source: Emergency Manager

A very large tree was reported down across the intersection of Hatchet Thicket Rd and Olen Mattingly Rd . The tree was too large to be removed by chain saws.

ST. MARY'S COUNTY --- 1.3 ESE HUNTERVILLE [38.46, -76.71]

	02/24/16 19:10 EST		0	Thunderstorm Wind (EG 56 kt)
	02/24/16 19:10 EST		0	Source: Emergency Manager

Multiple trees were reported down across the intersection of New Market Turner Rd and Flora Corner Rd.

ST. MARY'S COUNTY --- 0.9 WNW WHITE PT BEACH [38.23, -76.64], 0.8 SSE BEAUVUE [38.24, -76.63]

	02/24/16 19:12 EST		0	Tornado (EF0, L: 6.55 mi , W: 75 yd)
	02/24/16 19:14 EST		0	Source: NWS Storm Survey

The National Weather Service Baltimore/Washington Weather Forecast Office has confirmed a tornado struck the St. Mary's County shoreline just south of Beauvue on Tuesday, February 24, 2016.

A National Weather Service ground survey along with radar analysis concluded the Tappahannock, Virginia tornado, which created a 30 mile path of damage across the middle peninsula and northern neck of Virginia crossed the Potomac and traveled a mile into St. Mary's County, Maryland before dissipating. The tornado was small in Maryland. Most of its 6.5 mile path in Maryland was over the Potomac River. However once it moved ashore, it produced damage along a 1.1 mile path that was oriented southwest to northeast across Hampton Road. The National Weather Service has classified this tornado as an EF-0. Peak winds were estimated at 65 mph.

The tornado's path width was approximately 75 yards. The damage path consisted of two large trees uprooted on private property in the 20500 block of Hampton Road, two cedar trees sheared in half along Hampton road and a tree down in the 20700 block of Hampton Road.

The damage coincided with a tornadic signature on NWS and FAA Doppler Radars. Areas farther north, just east of Leonardtown were inspected but no additional tornadic damage was found.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ST. MARY'S COUNTY --- 0.9 SE HOLLYWOOD [38.34, -76.57]				
	02/24/16 19:13 EST		0	Thunderstorm Wind (EG 56 kt)
	02/24/16 19:13 EST		0	Source: Emergency Manager
Multiple trees were reported down near the intersection of Indian Bridge Rd and Willis Dr.				
ST. MARY'S COUNTY --- 0.7 N GREAT MILLS [38.24, -76.50]				
	02/24/16 19:15 EST		0	Thunderstorm Wind (EG 52 kt)
	02/24/16 19:15 EST		0	Source: Emergency Manager
Multiple trees and wires were reported down in the vicinity of Cecil's Country Store on Indian Bridge Rd.				
ST. MARY'S COUNTY --- 1.4 S LNRDTWN ST MARYS ARP [38.30, -76.55]				
	02/24/16 19:16 EST		0	Thunderstorm Wind (EG 52 kt)
	02/24/16 19:16 EST		0	Source: 911 Call Center
A large tree was reported down blocking Wildewood Parkway at Wildewood Dr.				
ST. MARY'S COUNTY --- 0.7 N LNRDTWN ST MARYS ARP [38.33, -76.55]				
	02/24/16 19:39 EST		0	Thunderstorm Wind (EG 52 kt)
	02/24/16 19:39 EST		0	Source: Emergency Manager
Multiple trees down at 235 Mervell Dean Rd.				
ST. MARY'S COUNTY --- 0.7 N GREAT MILLS [38.24, -76.50]				
	02/24/16 20:22 EST		0	Thunderstorm Wind (EG 52 kt)
	02/24/16 20:22 EST		0	Source: Trained Spotter
Multiple trees were reported down.				
ST. MARY'S COUNTY --- 1.6 E BUDDS CREEK [38.40, -76.80]				
	02/24/16 20:27 EST		0	Thunderstorm Wind (EG 56 kt)
	02/24/16 20:27 EST		0	Source: Trained Spotter
A few trees were reported down in Lexington Park and Leonardtown.				
Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased sheer across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail and multiple tornadic cells.				
MONTGOMERY COUNTY --- 0.1 WSW GLEN ECHO [38.97, -77.13], 0.0 WSW GLEN ECHO [38.97, -77.13], 0.1 WNW GLEN ECHO [38.97, -77.13], 0.1 W GLEN ECHO [38.97, -77.13]				
	02/24/16 18:18 EST		0	Flood (due to Heavy Rain)
	02/25/16 01:47 EST		0	Source: Emergency Manager
There was a water rescue reported Massachusetts Avenue and Goldsboro Road.				
FREDERICK COUNTY --- 0.5 ENE WOODSBORO [39.53, -77.31], 0.7 E WOODSBORO [39.53, -77.31], 0.8 E WOODSBORO [39.53, -77.31], 0.6 ENE WOODSBORO [39.53, -77.31]				
	02/24/16 19:00 EST		0	Flood (due to Heavy Rain)
	02/25/16 11:00 EST		0	Source: Department of Highways
Maryland route 550 was flooded and closed in both directions at Council Drive.				
BALTIMORE COUNTY --- 0.8 SSE HALETHORPE [39.24, -76.69], 0.8 NNE RELAY [39.24, -76.69], 0.8 NNE RELAY [39.24, -76.69], 0.8 SSE HALETHORPE [39.24, -76.69]				
	02/24/16 19:08 EST		0	Flood (due to Heavy Rain)
	02/24/16 19:31 EST		0	Source: River/Stream Gage
The stream gauge on East Branch Herbert Run at Arbutus reached a flood stage of 7 feet. The gauge peaked at 7.18 feet at 19:15 feet. Water covered yards near Tom Day Boulevard.				

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CARROLL COUNTY --- 0.9 NW KEYMAR [39.61, -77.24], 1.1 NNW KEYMAR [39.61, -77.24], 1.4 NNW KEYMAR [39.62, -77.24], 1.2 NW KEYMAR [39.61, -77.25]				
	02/24/16 19:37 EST		0	Flood (due to Heavy Rain)
	02/24/16 23:07 EST		0	Source: River/Stream Gage
The stream gauge on Big Pipe Creek at Bruceville reached a flood stage of 8 feet. The gauge peaked at 9.07 feet at 21:00 EST. Keysville-Bruceville Road began to flood.				
BALTIMORE COUNTY --- 1.6 W WHITE MARSH [39.38, -76.46], 1.7 WSW WHITE MARSH [39.37, -76.46], 1.5 WSW WHITE MARSH [39.37, -76.46], 1.4 WSW WHITE MARSH [39.37, -76.46]				
	02/24/16 20:16 EST		0	Flood (due to Heavy Rain)
	02/24/16 22:21 EST		0	Source: River/Stream Gage
The stream gauge on Whitmarsh Run at White Marsh reached a flood stage of 10 feet. The gauge peaked at 13.93 feet at 21:15 EST. Town Center Court began to flood.				
FREDERICK COUNTY --- 1.9 WNW NEW LONDON [39.43, -77.28], 2.0 WNW NEW LONDON [39.43, -77.29], 2.1 WNW NEW LONDON [39.43, -77.29], 1.7 WNW NEW LONDON [39.43, -77.28], 1.7 WNW NEW LONDON [39.43, -77.28]				
	02/24/16 20:32 EST		20K	Flood (due to Heavy Rain)
	02/25/16 13:00 EST		0	Source: Fire Department/Rescue
An SUV was stranded in high water on Gas House Pike from Linganore Creek. The vehicle was slowly being drifted downstream. A water rescue was conducted and the occupant rescued.				
HARFORD COUNTY --- 0.8 NE VALE [39.54, -76.39], 0.6 NE VALE [39.54, -76.39], 0.7 NNE VALE [39.54, -76.39], 0.8 NE VALE [39.54, -76.39]				
	02/24/16 20:33 EST		0	Flood (due to Heavy Rain)
	02/25/16 03:28 EST		0	Source: Fire Department/Rescue
A water rescue was reported on Grafton Shop Road near Carr Mill.				
HARFORD COUNTY --- 1.3 E ADY [39.63, -76.31], 1.3 W SCARBORO [39.63, -76.30], 1.1 W SCARBORO [39.63, -76.30], 1.3 W SCARBORO [39.63, -76.30]				
	02/24/16 20:33 EST		0	Flood (due to Heavy Rain)
	02/25/16 04:00 EST		0	Source: Fire Department/Rescue
A water rescue was reported at Sandy Hook Road and Scarborough Road.				
HARFORD COUNTY --- 0.5 NNW VALE [39.54, -76.40], 0.3 N VALE [39.53, -76.40], 0.5 NE VALE [39.54, -76.39], 0.6 ESE VALE [39.53, -76.39], 1.0 SE VALE [39.52, -76.39], 1.4 N BENSON [39.52, -76.38], 1.4 ESE VALE [39.52, -76.38], 0.7 NE VALE [39.54, -76.39]				
	02/24/16 20:38 EST		0	Flood (due to Heavy Rain)
	02/24/16 21:58 EST		0	Source: River/Stream Gage
The stream gauge on Winters Run at Benson reached a flood stage of 9 feet. The gauge peaked at 10.15 feet. Carrs Mill Road was flooded by Winters Run. Overbank flooding occurred along the creek.				
ST. MARY'S COUNTY --- 0.6 SSW PARK HALL ARPT [38.22, -76.46], 0.7 SW PARK HALL ARPT [38.22, -76.46], 0.6 SW PARK HALL ARPT [38.22, -76.46], 0.5 SSW PARK HALL ARPT [38.22, -76.45]				
	02/24/16 21:18 EST		0	Flood (due to Heavy Rain)
	02/25/16 03:15 EST		0	Source: Emergency Manager
Route 5 was reported flooded and closed at Willows Road due to creek flooding.				
HARFORD COUNTY --- 0.5 SSW SINGER [39.47, -76.33], 0.4 SW SINGER [39.48, -76.34], 0.6 WSW SINGER [39.48, -76.34], 0.6 SW SINGER [39.47, -76.34]				
	02/24/16 21:33 EST		0	Flood (due to Heavy Rain)
	02/25/16 01:28 EST		0	Source: River/Stream Gage
The stream gauge on Otter Point Creek at Edgewood reached a flood stage of 8 feet. The gauge peaked at 9.67 feet at 00:15 EST. Winters Run Road began to flood near Singer Road.				
HOWARD COUNTY --- 1.2 ESE SAVAGE [39.12, -76.81], 1.0 SE SAVAGE [39.12, -76.82], 0.6 NE SAVAGE [39.14, -76.82], 1.0 ENE SAVAGE [39.14, -76.81]				

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/24/16 21:37 EST		0	Flood (due to Heavy Rain)
	02/25/16 00:23 EST		0	Source: River/Stream Gage

The stream gauge on Little Patuxent River at Savage reached a flood stage of 10 feet. The gauge peaked at 10.56 feet at 22:45 EST. Riverside trails began to flood. Water also approached fields off Bald Eagle Drive, and approach Brock Bridge Road.

HOWARD COUNTY --- 0.9 W SAVAGE [39.13, -76.85], 0.8 W SAVAGE [39.13, -76.84], 0.8 W SAVAGE [39.13, -76.84], 0.9 W SAVAGE [39.13, -76.85]				
	02/24/16 21:40 EST		0	Flood (due to Heavy Rain)
	02/25/16 03:31 EST		0	Source: Trained Spotter

Stephens Road was closed between Gorman Road and Whiskey Bottom Road due to high water. Hammond branch was out of its banks.

CARROLL COUNTY --- 1.5 N BRIDGEPORT [39.70, -77.22], 1.0 N BRIDGEPORT [39.69, -77.22], 1.3 NNE BRIDGEPORT [39.70, -77.21], 1.3 SSW HARNEY [39.70, -77.21]				
	02/24/16 22:27 EST		0	Flood (due to Heavy Rain)
	02/25/16 04:15 EST		0	Source: River/Stream Gage

The stream gauge on Monocacy River at Bridgeport reached a flood stage of 13 feet. The gauge peaked at 13.62 feet. Baptist Road near Bridgeport began to flood.

HARFORD COUNTY --- 0.9 SE DARLINGTON [39.62, -76.19], 1.2 SSE DARLINGTON [39.62, -76.19], 1.0 S DARLINGTON [39.62, -76.20], 0.7 S DARLINGTON [39.62, -76.20]				
	02/24/16 23:13 EST		0	Flood (due to Heavy Rain)
	02/25/16 00:12 EST		0	Source: River/Stream Gage

The stream gauge on Deer Creek at Darlington reached a flood stage of 10 feet. The gauge peaked at 10.13 feet at 23:30 EST. Water approached Wilsons Mill near Darlington.

ST. MARY'S COUNTY --- 0.4 E GREAT MILLS [38.23, -76.49], 0.2 E GREAT MILLS [38.23, -76.50], 0.5 N GREAT MILLS [38.24, -76.50], 0.6 NNE GREAT MILLS [38.24, -76.50]				
	02/24/16 23:36 EST		0	Flood (due to Heavy Rain)
	02/25/16 07:01 EST		0	Source: River/Stream Gage

The stream gauge on St Marys River at Great Mills reached a flood stage of 6 feet. The gauge peaked at 6.97 feet at 04:15 EST. Flat Iron Road began to flood with water in some yards in Great Mills.

BALTIMORE COUNTY --- 1.0 N OAKLEIGH [39.41, -76.55], 0.9 N OAKLEIGH [39.41, -76.55], 0.8 NW OAKLEIGH [39.41, -76.56], 1.0 NW OAKLEIGH [39.41, -76.56]				
	02/24/16 23:53 EST		0	Flash Flood (due to Heavy Rain)
	02/25/16 00:44 EST		0	Source: River/Stream Gage

The stream gauge on Minebank Run at Glen Arm reached 10.2 feet at 19:10 EST.

PRINCE GEORGE'S COUNTY --- 0.4 S UPPER MARLBORO [38.81, -76.75], 0.3 S UPPER MARLBORO [38.82, -76.75], 0.4 SSW UPPER MARLBORO [38.81, -76.75], 0.5 S UPPER MARLBORO [38.81, -76.75]				
	02/25/16 11:57 EST		0	Flood (due to Heavy Rain)
	02/25/16 18:41 EST		0	Source: River/Stream Gage

The stream gauge on Western Branch at Upper Marlboro reached a flood stage of 11 feet. The gauge peaked at 11.53 feet at 14:30 EST. The Water Street bridge in Upper Marlboro was completely covered by water.

Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.

(MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S				
	02/24/16 20:15 EST		0	Coastal Flood
	02/25/16 07:13 EST		0	

Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of Anne Arundel County along the Chesapeake Bay and southern Maryland.

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
VIRGINIA, North				
(VA-Z027) SHENANDOAH, (VA-Z029) PAGE				
	02/02/16 02:15 EST	0		Dense Fog
	02/02/16 09:35 EST	0		
Clearing skies with light winds under building high pressure led to patches of dense fog developing across portions of the Shenandoah Valley.				
FREDERICK COUNTY --- 1.8 SE BURNING KNOLLS [39.15, -78.11], 2.0 SSE BURNING KNOLLS [39.15, -78.11], 2.6 SE BURNING KNOLLS [39.14, -78.09], 2.4 ESE BURNING KNOLLS [39.15, -78.09]				
	02/03/16 15:00 EST	0		Flood (due to Heavy Rain)
	02/04/16 08:27 EST	0		Source: State Official
Sulpher Springs Road near the Clarke County line was closed due to high water.				
LOUDOUN COUNTY --- 1.3 ENE PURCELLVILLE [39.16, -77.70], 1.4 ENE PURCELLVILLE [39.16, -77.70], 1.4 ENE PURCELLVILLE [39.16, -77.70], 1.2 ENE PURCELLVILLE [39.16, -77.70]				
	02/03/16 16:25 EST	0		Flood (due to Heavy Rain)
	02/04/16 08:27 EST	0		Source: Trained Spotter
Water was about 18 to 24 inches deep from the South Fork Catoctin Creek flowing over Alder School Road between Berlin Turnpike and Purcellville Road.				
CLARKE COUNTY --- 1.9 E CLAYTONVILLE [39.08, -77.99], 1.9 E CLAYTONVILLE [39.08, -77.99], 1.0 E CLAYTONVILLE [39.08, -78.00], 0.9 ESE CLAYTONVILLE [39.08, -78.00], 0.8 E CLAYTONVILLE [39.08, -78.01], 1.3 E CLAYTONVILLE [39.08, -78.00]				
	02/03/16 19:27 EST	0		Flood (due to Heavy Rain)
	02/04/16 08:27 EST	0		Source: State Official
Ellerslie Road was closed near the Shenandoah River due to high water.				
CLARKE COUNTY --- 2.1 SW WADESVILLE [39.23, -78.06], 2.4 SW WADESVILLE [39.22, -78.06], 2.5 SW WADESVILLE [39.22, -78.06], 2.1 SW WADESVILLE [39.23, -78.06], 1.8 SW WADESVILLE [39.23, -78.05], 1.9 SSW WADESVILLE [39.23, -78.05]				
	02/03/16 19:27 EST	0		Flood (due to Heavy Rain)
	02/04/16 08:27 EST	0		Source: 911 Call Center
Old Charles Town Road was closed near the Opequon Creek.				
CLARKE COUNTY --- 3.8 NNW BOYCE [39.15, -78.07], 3.6 NNW BOYCE [39.15, -78.07], 3.2 N BOYCE [39.15, -78.05], 3.4 N BOYCE [39.15, -78.05]				
	02/03/16 19:27 EST	0		Flood (due to Heavy Rain)
	02/04/16 08:27 EST	0		Source: State Official
Senseny Road was closed between Triple J Road and Salem Church Road.				
CLARKE COUNTY --- 4.6 ESE BERRYVILLE [39.12, -77.89], 4.5 SE BERRYVILLE [39.10, -77.91], 4.2 SSE BERRYVILLE [39.09, -77.94], 3.9 SE CLAYTONVILLE [39.04, -77.96], 4.9 SE CLAYTONVILLE [39.04, -77.95]				
	02/03/16 19:27 EST	0		Flood (due to Heavy Rain)
	02/04/16 08:27 EST	0		Source: State Official
There were portions of River Road near the Shenandoah River and Mount Carmel Road closed due to high water.				
A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.				
(VA-Z025) AUGUSTA, (VA-Z037) ALBEMARLE, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z506) EASTERN LOUDOUN				
	02/03/16 18:56 EST	0		Dense Fog
	02/04/16 05:39 EST	0		
Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across northern Virginia.				
(VA-Z027) SHENANDOAH, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN				

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/09/16 03:00 EST		0	Winter Weather
	02/09/16 13:00 EST		0	

Two low pressure systems impacted the Mid-Atlantic while an upper level trough deepened across the region. As one low pushed to the south and then east, energy from the second low over the Great Lakes region was transferred to the coastal flow, resulting in snow banding across portions of northern Virginia.

(VA-Z026) ROCKINGHAM, (VA-Z029) PAGE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE

02/14/16 21:00 EST	0	Winter Storm
02/16/16 08:00 EST	0	

(VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

02/14/16 21:00 EST	0	Winter Weather
02/16/16 08:00 EST	0	

(VA-Z025) AUGUSTA, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z504) EASTERN HIGHLAND

02/14/16 23:00 EST	0	Ice Storm
02/16/16 08:00 EST	0	

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

(VA-Z025) AUGUSTA, (VA-Z037) ALBEMARLE, (VA-Z050) ORANGE

02/21/16 18:35 EST	0	Dense Fog
02/21/16 23:28 EST	0	

Recent rain led to lower levels remaining saturated in the valleys of northern Virginia. As high pressure built in, clearing skies and light winds allowed for areas of dense fog to form.

ORANGE COUNTY --- 1.8 NW LAHORE [38.22, -77.99]

02/24/16 16:46 EST	0	Thunderstorm Wind (EG 60 kt)
02/24/16 16:46 EST	0	Source: Trained Spotter

Numerous trees were reported down outside of Lahore.

SPOTSYLVANIA COUNTY --- 0.7 N BROCKROAD [38.28, -77.68]

02/24/16 16:59 EST	0	Thunderstorm Wind (EG 60 kt)
02/24/16 16:59 EST	0	Source: Public

A large tree was reported down on Chancellorsville Rd at Brock Rd.

LOUDOUN COUNTY --- 2.1 SE LEESBURG [39.10, -77.52]

02/24/16 17:07 EST	0	Thunderstorm Wind (EG 60 kt)
02/24/16 17:07 EST	0	Source: NWS Employee

A large tree was reported down on Route 15 north of Leesburg at the Junction with Selma Lane.

STAFFORD COUNTY --- 2.2 W RUBY [38.50, -77.56]

02/24/16 17:10 EST	0	Thunderstorm Wind (EG 52 kt)
02/24/16 17:10 EST	0	Source: 911 Call Center

Multiple trees were reported down on power lines at Tacketts Mill Rd and Mill Lane.

PRINCE WILLIAM COUNTY --- 0.9 SW WOODBRIDGE [38.64, -77.26]

02/24/16 17:31 EST	0	Thunderstorm Wind (EG 52 kt)
02/24/16 17:31 EST	0	Source: 911 Call Center

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Numerous reports of trees down across the entire town.				
FREDERICKSBURG (C) COUNTY --- 62.5 SE DBL TOLLGATE [38.30, -77.49]				
	02/24/16 17:32 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 17:32 EST	0		Source: Emergency Manager
Multiple trees and several wires were reported down.				
FAIRFAX COUNTY --- 0.9 SE FLORIS [38.91, -77.41]				
	02/24/16 17:33 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 17:33 EST	0		Source: NWS Employee
Several large trees were reported down.				
FAIRFAX COUNTY --- 0.7 N OAKTON [38.89, -77.30]				
	02/24/16 17:35 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 17:35 EST	0		Source: Public
Multiple branches around 4 inches in diameter and 5 to 6 feet in length were reported down.				
FAIRFAX COUNTY --- 1.3 WNW GREAT FALLS [39.01, -77.29]				
	02/24/16 17:42 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 17:42 EST	0		Source: Public
Multiple trees were reported down on power lines.				
FAIRFAX COUNTY --- 0.5 W LANGLEY [38.95, -77.18]				
	02/24/16 17:45 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 17:45 EST	0		Source: Public
Multiple trees were reported down on power lines.				
FAIRFAX COUNTY --- 0.9 SE FLORIS [38.91, -77.41]				
	02/24/16 17:45 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 17:45 EST	0		Source: NWS Employee
Large tree was reported down.				
KING GEORGE COUNTY --- 0.5 W OWENS [38.33, -77.09]				
	02/24/16 18:39 EST	0		Thunderstorm Wind (EG 52 kt)
	02/24/16 18:39 EST	0		Source: 911 Call Center
Multiple trees were reported down near James Madison Parkway and Hillcrest Dr.				
Strong low pressure moved from the deep south to the Great Lakes, dragging a cold front through the Mid-Atlantic. Strong veering winds as a warm front lifted north ahead of the cold front led to increased shear across the area. This combined with marginal instability led to multiple rounds of thunderstorms, with embedded severe with strong winds and small hail.				
ALBEMARLE COUNTY --- 2.9 SSW BLEMHEIM [37.86, -78.51], 2.9 SSW BLEMHEIM [37.86, -78.51], 2.9 S BLEMHEIM [37.86, -78.51], 2.8 S BLEMHEIM [37.86, -78.51]				
	02/24/16 16:47 EST	0		Flood (due to Heavy Rain)
	02/25/16 00:30 EST	0		Source: Trained Spotter
There was one foot of water flowing across the road in the 200 block of Glendower Road.				
SPOTSYLVANIA COUNTY --- 1.1 ENE FIVE MILE [38.28, -77.53], 1.0 ENE FIVE MILE [38.28, -77.53], 1.0 ENE FIVE MILE [38.28, -77.53], 1.1 ENE FIVE MILE [38.28, -77.53]				
	02/24/16 18:30 EST	0		Flash Flood (due to Heavy Rain)
	02/24/16 21:15 EST	0		Source: Newspaper
Salem Church Road was flooded and closed near Jackson Road.				

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FAIRFAX COUNTY --- 1.2 N BELLE HAVEN [38.80, -77.07], 1.2 N BELLE HAVEN [38.80, -77.07], 1.3 N BELLE HAVEN [38.80, -77.07], 1.2 N BELLE HAVEN [38.80, -77.07], 1.2 N BELLE HAVEN [38.80, -77.07]				
	02/24/16 19:01 EST		0	Flash Flood (due to Heavy Rain)
	02/24/16 20:30 EST		0	Source: Emergency Manager
The stream gauge at Cameron Run exceeded the flood stage at Huntington at 19:01 EST. This caused flooding of Fenwick Drive with over a foot of flowing water at the end of the road. The stream fell below flood stage around 20:30 EST.				
FAIRFAX COUNTY --- 0.7 NE WEYANOKE [38.81, -77.16], 0.7 NE WEYANOKE [38.81, -77.16], 0.8 NE WEYANOKE [38.81, -77.16], 0.8 NE WEYANOKE [38.81, -77.16]				
	02/24/16 19:25 EST		0	Flood (due to Heavy Rain)
	02/25/16 01:47 EST		0	Source: Broadcast Media
There was a water rescue reported on Cherokee Avenue.				
STAFFORD COUNTY --- 1.0 NE FALMOUTH [38.33, -77.46], 0.9 NE FALMOUTH [38.33, -77.46], 1.0 NE FALMOUTH [38.33, -77.46], 1.0 NE FALMOUTH [38.33, -77.46]				
	02/24/16 19:43 EST		0	Flood (due to Heavy Rain)
	02/25/16 01:47 EST		0	Source: 911 Call Center
Harell Road was closed at Forbes Street due to high water.				
STAFFORD COUNTY --- 1.1 N STAFFORD [38.44, -77.40], 1.1 NNW STAFFORD [38.44, -77.40], 1.2 N STAFFORD [38.44, -77.40], 1.2 N STAFFORD [38.44, -77.40]				
	02/24/16 19:43 EST		0	Flood (due to Heavy Rain)
	02/25/16 01:47 EST		0	Source: 911 Call Center
Austin Run Boulevard was closed at Jefferson Davis Highway due to high water.				
FAIRFAX COUNTY --- 0.9 WSW SPRINGFIELD ESTATES [38.76, -77.20], 1.0 WSW SPRINGFIELD ESTATES [38.76, -77.20], 1.0 WSW SPRINGFIELD ESTATES [38.77, -77.20], 0.9 WSW SPRINGFIELD ESTATES [38.77, -77.20]				
	02/24/16 20:26 EST		0	Flood (due to Heavy Rain)
	02/25/16 01:47 EST		0	Source: Emergency Manager
Franconia-Springfield Parkway was closed at Bonniemill Lane due to high water.				
FAIRFAX COUNTY --- 0.9 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.85, -77.24], 1.1 WSW TREMONT [38.85, -77.24], 1.0 WSW TREMONT [38.84, -77.24]				
	02/24/16 21:56 EST		0	Flood (due to Heavy Rain)
	02/24/16 23:23 EST		0	Source: River/Stream Gage
The stream gauge on Accotink Creek at Annandale reached a flood stage of 9.5 feet. The gauge peaked at 9.77 feet at 23:45 EST. Woodburn Road was flooded at Accotink Creek.				
ALBEMARLE COUNTY --- 1.2 NW STONY PT [38.13, -78.39], 1.3 NW STONY PT [38.13, -78.39], 1.3 NW STONY PT [38.14, -78.39], 1.2 WNW GILBERT [38.14, -78.39]				
	02/24/16 23:04 EST		0	Flood (due to Heavy Rain)
	02/25/16 00:30 EST		0	Source: 911 Call Center
The 3800 block of Watts Passage was closed due to flooding from Preddy Creek.				
Strong low pressure moved from the deep south to the Great Lakes. Strong warm air advection coupled with moisture led to showers and thunderstorms across the area. Activity strengthened in the afternoon and multiple rounds of heavy rain moved across the area. Many rivers reached flood stage across the Mid-Atlantic.				
(VA-Z027) SHENANDOAH, (VA-Z030) WARREN, (VA-Z502) SOUTHERN FAUQUIER				
	02/24/16 18:55 EST		0	Dense Fog
	02/24/16 22:15 EST		0	
A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog in the valleys of northern Virginia.				

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(VA-Z054) ARLINGTON				
	02/24/16 19:12 EST		0	Coastal Flood
	02/24/16 21:30 EST		0	

Strong southerly wind pushed tidal anomalies between 2-3 ft, producing minor coastal flooding. Multiple inches of rain exacerbated this flooding, resulting in brief moderate flooding over portions of Alexandria waterfront.

WEST VIRGINIA, East

(WV-Z502) EASTERN GRANT				
	02/01/16 19:15 EST		0	Dense Fog
	02/02/16 10:35 EST		0	

Clearing skies with light winds under building high pressure led to patches of dense fog developing across portions of eastern West Virginia.

MORGAN COUNTY --- 3.0 SSW GREAT CACAPON [39.58, -78.31], 2.9 SSW GREAT CACAPON [39.58, -78.31], 3.2 S WOODMONT [39.58, -78.32], 3.6 NW ROCK GAP [39.57, -78.32], 3.3 W ROCK GAP [39.53, -78.34], 3.7 W ROCK GAP [39.53, -78.35], 3.6 NNE LARGENT [39.53, -78.35], 3.1 W ROCK GAP [39.52, -78.34]

	02/02/16 05:44 EST		0	Flood (due to Ice Jam)
	02/02/16 14:24 EST		0	Source: River/Stream Gage

The stream gauge on Cacapon River at Great Cacapon reached flood stage. The ice-affected gauge peaked at 9.85 at 07:30 EST. Rock Ford Road began to flood in multiple locations, including flowing completely over the low water bridge. Constant Run road also began to flood.

Snow melt led to rapid rises on rivers and streams across the eastern panhandle of West Virginia. An ice jam was reported at the Cacapon River at Great Cacapon which led to flooding.

(WV-Z052) BERKELEY				
	02/03/16 22:39 EST		0	Dense Fog
	02/04/16 02:57 EST		0	

Deep moisture advection on southwest flow ahead of an approaching cold front led to saturated lower levels. This combined with light winds led to areas of dense fog across eastern West Virginia.

BERKELEY COUNTY --- 2.1 WSW VANCELEVESVILLE [39.42, -77.94], 1.8 SSW BLAIRTON [39.43, -77.94], 1.9 SW BLAIRTON [39.43, -77.94], 2.3 WSW VANCELEVESVILLE [39.42, -77.94], 2.2 WSW VANCELEVESVILLE [39.41, -77.94]

	02/04/16 00:27 EST		0	Flood (due to Heavy Rain)
	02/04/16 11:47 EST		0	Source: River/Stream Gage

The stream gauge on Opequon Creek at Martinsburg reached flood stage. The gauge peaked at 10.80 feet at 06:45 EST. Floodwaters began to cover Douglas Grove Road (Cty Road 9/16) east of Martinsburg. A portion of Bowers Road is also flooded. Low lying areas near the creek begin to flood. Water also began to cover the stream access point at Stone Bridge.

MORGAN COUNTY --- 3.0 SSW GREAT CACAPON [39.58, -78.31], 3.2 SW GREAT CACAPON [39.58, -78.32], 3.4 W ROCK GAP [39.53, -78.34], 3.7 NNE LARGENT [39.53, -78.35], 3.5 NNE LARGENT [39.53, -78.35], 3.0 W ROCK GAP [39.52, -78.34]

	02/04/16 01:00 EST		0	Flood (due to Heavy Rain)
	02/04/16 15:03 EST		0	Source: River/Stream Gage

The stream gauge on Cacapon River at Great Cacapon reached flood stage. The gauge peaked at 10.07 at 05:45 EST. Rock Ford Road began to flood in multiple locations, including flowing completely over the low water bridge. Constant Run road also began to flood.

JEFFERSON COUNTY --- 0.6 SW MILLVILLE [39.29, -77.79], 1.1 NNE MOUNTAIN MISSION [39.26, -77.79], 0.4 N BLOOMERY [39.26, -77.82], 0.7 SSE BLOOMERY [39.24, -77.81], 0.6 SW MOUNTAIN MISSION [39.24, -77.81], 1.1 NNW SUMMIT PT [39.26, -77.79], 0.6 SSW MILLVILLE [39.29, -77.79]

	02/04/16 15:25 EST		0	Flood (due to Heavy Rain)
	02/05/16 10:47 EST		0	Source: River/Stream Gage

The stream gauge on Shenandoah River at Millville reached flood stage. The gauge peaked at 10.90 feet at 00:30 EST. Parts of Bloomery Road and John Rissler Road were flooded near Bloomery, WV. Once these roads flood, access to homes is impaired but the homes themselves are not in any danger of flooding. Moulton Park and the Millville boat launch are also flooded.

Storm Data and Unusual Weather Phenomena - February 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A wave of low pressure moved across the Mid-Atlantic region along a frontal boundary. Warm and moist air moved into the region while strong winds aloft led to thunderstorm development. Heavy rain led to flooding across the Mid-Atlantic region.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (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

	02/08/16 22:00 EST	0	Winter Weather
	02/09/16 13:00 EST	0	

Two low pressure systems impacted the Mid-Atlantic while an upper level trough deepened across the region. As one low pushed to the south and then east, energy from the second low over the Great Lakes region was transferred to the coastal flow, resulting in snow banding across portions of eastern West Virginia.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z506) EASTERN PENDLETON

	02/14/16 21:00 EST	0	Ice Storm
	02/16/16 10:00 EST	0	

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

	02/14/16 21:00 EST	0	Winter Weather
	02/16/16 08:00 EST	0	

Prolonged event impacted the Mid-Atlantic. Southwest flow aloft overriding northeast flow at the surface from departing high pressure led to snow spreading over the region initially. Low pressure formed and organized over the Gulf of Mexico, eventually pushing off to the northeast and impacting the region on the 15th. As the cold air wedge was eroded away from this low, warming at all levels led to the snow transitioning to sleet and ice for most of the area.

(WV-Z052) BERKELEY

	02/24/16 19:32 EST	0	Dense Fog
	02/24/16 21:57 EST	0	

A warm front lifting north through the region increased moisture advection, leading to saturated low levels. The increased moisture with light winds led to patchy dense fog over eastern West Virginia.