

## Storm Data and Unusual Weather Phenomena - October 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- BABAR POINT [38.31, -77.03]</b>				
	10/07/14 19:25 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	10/07/14 19:45 EST	0		Source: Mesonet
Baber Point WxFlow reported 31-34 kt gusts.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS BUOY [38.98, -76.48]</b>				
	10/07/14 20:50 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	10/07/14 20:50 EST	0		Source: Mesonet
Annapolis Buoy 44063 reported a gust of 37 kts.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 10.9 E CHESAPEAKE BEACH [38.71, -76.34]</b>				
	10/07/14 21:14 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	10/07/14 21:29 EST	0		Source: Mesonet
Tilghman's Island reported gusts 32-37 kts.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]</b>				
	10/07/14 22:02 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 22:02 EST	0		Source: Mesonet
TPLM2 reported a gust of 31 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT [38.94, -76.44]</b>				
	10/07/14 22:34 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	10/07/14 22:34 EST	0		Source: Mesonet
Tolly Point WxFlow reported gusts between 31-34 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND [38.92, -76.36]</b>				
	10/07/14 22:40 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 22:40 EST	0		Source: Mesonet
Kent Island WxFlow reported a gust of 32 knots.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- SANDY POINT [39.01, -76.40]</b>				
	10/07/14 22:46 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 22:46 EST	0		Source: Mesonet
Sandy Point WxFlow reported a gust of 32 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]</b>				
	10/07/14 23:02 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 23:02 EST	0		Source: Mesonet
Thomas Point C-MAN station reported a gust of 31 kts.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 0.4 E CHESAPEAKE BEACH [38.69, -76.53]</b>				
	10/07/14 23:05 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	10/07/14 23:15 EST	0		Source: Mesonet
CHSRL (Rod n Reel) reported 36 kt wind gust.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.2 NNW MID BAY BUOY [38.56, -76.42]</b>				
	10/07/14 23:20 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	10/07/14 23:20 EST	0		Source: Mesonet
Buoy 44062 reported 35 kt wind gust.				

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<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 12.7 SSW THOMAS POINT LIGHT [38.73, -76.54]</b>				
	10/07/14 23:20 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 23:20 EST		0	Source: Mesonet
Herring Bay WxFlow reported a wind gust of 31 knots.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.1 WNW POINT LOOKOUT [38.04, -76.32]</b>				
	10/07/14 23:30 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	10/07/14 23:50 EST		0	Source: Mesonet
Point Lookout WxFlow reported gusts of 31-39 knots.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POINT LOOKOUT [38.04, -76.32]</b>				
	10/07/14 23:30 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	10/07/14 23:50 EST		0	Source: Mesonet
Buoy 44042 reported gusts of 31-35 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND [38.92, -76.36]</b>				
	10/07/14 23:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 23:40 EST		0	Source: Mesonet
Kent Island WxFlow reported a gust of 32 kts.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- SANDY POINT [39.01, -76.40]</b>				
	10/07/14 23:46 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 23:46 EST		0	Source: Mesonet
Sandy Point WxFlow reported a gust of 32 kts.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- SMITH ISLAND [37.98, -76.04]</b>				
	10/07/14 23:52 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/14 23:52 EST		0	Source: Mesonet
Smith Island WxFlow reported a gust of 33 knots.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT [38.14, -75.79]</b>				
	10/08/14 00:03 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	10/08/14 00:13 EST		0	Source: Mesonet
Raccoon Pt WxFlow reported gusts of 34-36 knots.				
<b>Upper level trough swinging through the region ahead of an approaching combining with increasing shear led to the development of scattered thunderstorms with strong winds across the waters.</b>				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK [38.23, -76.95]</b>				
	10/15/14 11:10 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/15/14 11:10 EST		0	Source: Mesonet
Monroe Creek WxFlow reported a gust of 31 kts.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK [38.23, -76.95]</b>				
	10/15/14 11:10 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/15/14 11:10 EST		0	Source: Mesonet
Monroe Creek WxFlow reported wind gusts of 31 kts.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.8 NE WEST POTOMAC HIGH SCHOOL [38.79, -77.06]</b>				
	10/15/14 11:21 EST		3K	Marine Thunderstorm Wind (EG 50 kt)
	10/15/14 11:21 EST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - October 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Two large pine trees were snapped in half between the 9th and 18th hole at Belle Haven Country Club. Straight line indicative as the trees were snapped pointing to the north.

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**TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.6 S LYLES-CROUCH ACADEMY ALEXANDRIA [38.79, -77.05]**

	10/15/14 11:23 EST		3K	Marine Thunderstorm Wind (EG 50 kt)
	10/15/14 11:25 EST		0	Source: Broadcast Media

Large branches were reported down blocking multiple northbound lanes of GW Parkway just south of the intersection with I-495.

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**CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 0.4 E CHESAPEAKE BEACH [38.69, -76.53]**

	10/15/14 14:40 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	10/15/14 14:45 EST		0	Source: Mesonet

CHSRL Rod n Reel reported gusts between 34-37 kts.

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**CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 17.9 NNE CHESAPEAKE BEACH [38.94, -76.44]**

	10/15/14 15:19 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/15/14 15:19 EST		0	Source: Mesonet

Tolly Point WxFlow reported a gust of 31 kts.

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**TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD [38.22, -76.04]**

	10/15/14 15:24 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/15/14 15:24 EST		0	Source: Mesonet

Bishops Head reported a gust of 32 kts.

**A vigorous cold front extending from low pressure over the Great Lakes swung through the Mid Atlantic during the morning and early afternoon hours. Heavy rain showers and embedded thunderstorms ahead of the approaching front mixed down strong winds aloft for gusty winds over all the waters.**

### DISTRICT OF COLUMBIA

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**(DC-Z001) DISTRICT OF COLUMBIA**

	10/04/14 01:45 EST		0	Coastal Flood
	10/04/14 04:05 EST		0	

Increasing and persistent southeast flow ahead of an approaching cold front combining with astronomically high tides resulted in anomalies around 2 feet and widespread minor flooding with isolated areas reaching moderate levels.

### MARYLAND, Central

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

	10/03/14 19:30 EST		0	Coastal Flood
	10/04/14 11:42 EST		0	

Increasing and persistent southeast flow ahead of an approaching cold front combining with astronomically high tides resulted in anomalies around 2 feet and widespread minor flooding with isolated areas reaching moderate levels.

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**ST. MARY'S COUNTY --- 0.7 S MILESTOWN [38.27, -76.77]**

	10/07/14 22:03 EST		2K	Thunderstorm Wind (EG 52 kt)
	10/07/14 22:03 EST		0	Source: State Official

A large tree was reported down across Colton Rd in the 22000 block. Multiple other branches were reported down, but overall in a very focused area.

**Low pressure positioned over the Great Lakes swung a cold front through the overnight hours. A line of thunderstorms formed in a high shear, low CAPE environment, with embedded isolated severe thunderstorms.**

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**(MD-Z005) CARROLL, (MD-Z009) MONTGOMERY**

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/13/14 15:45 EST		0	Dense Fog
	10/13/14 23:45 EST		0	

A warm front extending across southeastern Virginia led to increased moisture in the lower levels and light winds, resulting in widespread fog with areas of dense fog.

### HOWARD COUNTY --- 0.2 SSE SAVAGE [39.13, -76.83], 0.2 NE SAVAGE [39.13, -76.83]

	10/15/14 12:13 EST		0	Tornado (EF0, L: 0.30 mi , W: 75 yd)
	10/15/14 12:14 EST		0	Source: NWS Storm Survey

After a review of radar observations, 911-center and broadcast media reports relaying ground observations, and the NWS storm survey results, the National Weather Service in Baltimore MD/Washington DC has confirmed an EF-0 tornado touched down near Savage in Howard County, Maryland. This review is based on corroborating evidence between intermittent damage reports along the path and rotational velocity couplets from the Federal Aviation Administration's Thurgood Marshall Baltimore/Washington International Airport Terminal Doppler Weather Radar and National Weather Service KLVX WSR-88D radar.

The tornado is estimated to have touched down at 1:13 pm, approximately two hundred yards south of Knights Bridge Road in Savage. The tornado then uprooted and downed a large tree that fell onto the south-facing side of an apartment complex on Stebbing Way. Other large branches were snapped off nearby trees along the hill side south of Stebbing Way. A nearby street sign was also snapped. The radar couplet signature weakened and dissipated after 1:14 pm prior to reaching Gorman Road. Estimated maximum wind speeds were 55-65 mph.

A cut off low over the Midwest pushed a cold front through the Mid Atlantic during the morning hours. Scattered showers with embedded thunderstorms formed along this front in a strong directional and magnitudinal sheared environment. Diurnal heating led to minimal instability. The combination of the strong sheared environment and low CAPE resulted in a weak tornado across Howard County.

### (MD-Z003) WASHINGTON

	10/15/14 22:39 EST		0	Dense Fog
	10/16/14 01:34 EST		0	

Light winds, clearing skies and enough residual low level moisture led to areas of fog with patches of dense fog during the overnight hours from the 15th to 16th.

## VIRGINIA, North

### ALBEMARLE COUNTY --- 1.3 WSW MILLER SCHOOL [38.01, -78.70]

	10/07/14 19:53 EST		1K	Thunderstorm Wind (EG 52 kt)
	10/07/14 19:53 EST		0	Source: State Official

A tree was reported down across the road at the corner of Miller School Rd and Samuel Miller Rd.

Low pressure positioned over the Great Lakes swung a cold front through during the overnight hours. A line of thunderstorms formed in a high shear, low CAPE environment, with embedded isolated severe thunderstorms.

### (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD, (VA-Z502) SOUTHERN FAUQUIER

	10/13/14 19:35 EST		0	Dense Fog
	10/14/14 02:30 EST		0	

A warm front extending across southeastern Virginia led to increased moisture in the lower levels and light winds, resulting in widespread fog with areas of dense fog.

### (VA-Z037) ALBEMARLE

## Storm Data and Unusual Weather Phenomena - October 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/14/14 20:33 EST		0	High Wind (MAX 50 kt)
	10/14/14 21:17 EST		0	
<b>Winds mixing down from a strong low level jet ahead of an approaching cold front led to multiple wind gust reports at elevations higher than 1500 feet of 50 mph and higher.</b>				
<b>FREDERICK COUNTY --- 1.3 ESE GORE [39.26, -78.33]</b>				
	10/15/14 04:46 EST		1K	Thunderstorm Wind (EG 52 kt)
	10/15/14 04:46 EST		0	Source: State Official
A tree was reported down over the road.				
<b>WARREN COUNTY --- 1.4 E FRONT ROYAL WARN ARP [38.92, -78.22]</b>				
	10/15/14 05:23 EST		1K	Thunderstorm Wind (EG 52 kt)
	10/15/14 05:23 EST		0	Source: State Official
A tree was reported down at 1300 Catlett Mountain Rd.				
<b>WARREN COUNTY --- 2.0 ENE KARO [38.88, -78.22]</b>				
	10/15/14 05:23 EST		1K	Thunderstorm Wind (EG 52 kt)
	10/15/14 05:23 EST		0	Source: Public
A tree was reported down across the roadway at the intersection of Browntown Rd and Rocky Lane.				
<b>FAUQUIER COUNTY --- 3.4 NNE LINDEN [38.94, -78.04]</b>				
	10/15/14 06:00 EST		1K	Thunderstorm Wind (EG 52 kt)
	10/15/14 06:00 EST		0	Source: Department of Highways
A tree was reported blocking Route 638.				
<b>A cut off low over the Midwest pushed a cold front through the Mid Atlantic during the overnight hours through the morning. A line of showers with embedded heavier showers and thunderstorms brought strong winds from aloft down to the surface.</b>				
<b>FAIRFAX COUNTY --- 0.5 E BELLE HAVEN [38.78, -77.06], 1.8 NE BELLE HAVEN [38.80, -77.05]</b>				
	10/15/14 11:23 EST		0	Tornado (EF0, L: 1.57 mi , W: 75 yd)
	10/15/14 11:26 EST		0	Source: NWS Storm Survey
<p>After a review of radar observations, the public and broadcast Media reports, the National Weather Service in Baltimore MD/Washington DC has confirmed an EF-0 tornado touched down near Belle Haven in Eastern Fairfax County, Virginia and continued north on an approximate 1.5 mile intermittent damage path to the City of Alexandria before dissipating. This review is based on corroborating evidence of observed damage locations and rotational velocity couplets from the Federal Aviation Administrations Terminal Doppler Weather Radars at Washington Reagan National Airport and Joint Base Andrews , along with National Weather Service KLWX WSR-88D radar in Sterling, VA.</p> <p>The tornado is estimated to have touched down at 12:23 pm, where there was a tree down near the intersection of Hunt Road and Belle Haven Road. The tornado continued north across the Belle Haven Country Club where more large tree limbs were snapped. The tornado likely lifted across Interstate 495 at the intersection of George Washington parkway , where large tree branches were also downed. Several more large tree branches were snapped in the adjacent neighborhood to the north before the radar couplet signature weakened after 12:26 pm. Estimated maximum winds were 55-65 mph.</p>				
<b>A cut off low over the Midwest pushed a cold front through the Mid Atlantic during the morning hours. Scattered showers with embedded thunderstorms formed along this front in a strong directional and magnitudinal sheared environment. Diurnal heating led to minimal instability. The combination of the strong sheared environment and low CAPE resulted in a weak tornado across Fairfax County and the City of Alexandria.</b>				
<b>(VA-Z028) FREDERICK, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z050) ORANGE, (VA-Z051) CULPEPER</b>				
	10/15/14 20:35 EST		0	Dense Fog
	10/16/14 05:55 EST		0	

## Storm Data and Unusual Weather Phenomena - October 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Light winds, clearing skies and enough residual low level moisture led to areas of fog with patches of dense fog during the overnight hours from the 15th to 16th.

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(VA-Z052) PRINCE WILLIAM, (VA-Z502) SOUTHERN FAUQUIER

10/16/14 22:45 EST	0	Dense Fog
10/17/14 07:00 EST	0	

A moist airmass in place with the passing of multiple surface and upper level troughs combining with light surface winds resulted in isolated areas reporting dense fog during the overnight hours of the 16th-17th.

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(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE

10/25/14 00:00 EST	0	Frost/Freeze
10/25/14 06:00 EST	0	

High pressure building over the region brought clear and calm conditions, resulting in temperatures dropping below freezing overnight.

### WEST VIRGINIA, East

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HARDY COUNTY --- 2.1 E FLATS [39.18, -78.94]

10/15/14 04:06 EST	2K	Thunderstorm Wind (EG 52 kt)
10/15/14 04:06 EST	0	Source: State Official

Many trees were reported down along Route 220.

A cut off low over the Midwest pushed a cold front through the Mid Atlantic during the overnight hours through the morning. A line of showers with embedded heavier showers and thunderstorms brought strong winds from aloft down to the surface.

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(WV-Z052) BERKELEY

10/15/14 19:55 EST	0	Dense Fog
10/15/14 23:43 EST	0	

Light winds, clearing skies and enough residual low level moisture led to areas of fog with patches of dense fog during the overnight hours from the 15th to 16th.