

Storm Data and Unusual Weather Phenomena - October 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 5.4 SE SUSQUEHANNA [39.50, -75.99]				
	10/09/15 15:49 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 15:49 EST		0	Source: Mesonet
NRTBY reported gusts between 31 and 34 knots.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- MARTIN STATE AIRPORT [39.33, -76.41]				
	10/09/15 15:54 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 15:54 EST		0	Source: ASOS
KMTN reported gusts between 33 and 34 knots.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLER ISLAND [39.25, -76.37]				
	10/09/15 16:10 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	10/09/15 16:15 EST		0	Source: Mesonet
HRT reported gusts between 32 and 34 knots.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	10/09/15 16:18 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	10/09/15 16:18 EST		0	Source: Mesonet
FSKM2 reported gusts of 35 knots.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- PATAPSCO BUOY [39.15, -76.39]				
	10/09/15 16:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 16:40 EST		0	Source: Mesonet
Patapsco Buoy 44043 reported gusts between 31 and 34 knots.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT [38.94, -76.44]				
	10/09/15 16:56 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 17:01 EST		0	Source: Mesonet
TOL reported gusts between 31 and 34 knots.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 12.7 SSW THOMAS POINT LIGHT [38.73, -76.54]				
	10/09/15 17:20 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 17:20 EST		0	Source: Mesonet
HRB reported gusts between 32 and 34 knots.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 11.2 E CHESAPEAKE BEACH [38.68, -76.33]				
	10/09/15 17:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 17:40 EST		0	Source: Mesonet
BWH reported gusts between 33 and 34 knots.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 10.9 E CHESAPEAKE BEACH [38.71, -76.34]				
	10/09/15 18:04 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	10/09/15 18:14 EST		0	Source: Mesonet
TILHM reported gusts between 39 and 40 knots.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]				
	10/09/15 18:24 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/09/15 18:24 EST		0	Source: Mesonet
COVM2 reported gusts 32 and 34 knots.				

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TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 17.9 WNW PINEY POINT [38.24, -76.83]				
	10/09/15 18:33 EST	0		Marine Thunderstorm Wind (MG 44 kt)
	10/09/15 18:38 EST	0		Source: Mesonet

COB reported gusts 31 and 44 knots.

A cold front moved through the region during the afternoon. Deep layer shear values around 40 knots with ML Cape values of around 500 J/kg generated scattered showers with embedded stronger storms.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- PATAPSCO BUOY [39.15, -76.39]				
	10/18/15 12:40 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	10/18/15 12:50 EST	0		Source: Buoy

Patapsco Buoy 44043 reported gusts between 31 and 35 knots.

PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	10/18/15 14:36 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/18/15 14:36 EST	0		Source: Mesonet

FSKM2 reported gusts between 32 and 34 knots.

Shortwave rounding the base of an upper level trough extended over the eastern US triggered scattered showers, with embedded strong storms.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA				
	10/03/15 23:24 EST	0		Coastal Flood
	10/04/15 00:57 EST	0		

Strong northeasterly flow with a stationary front just offshore and high pressure to the north resulted in tidal anomalies between 1.5 and 2.0 feet over an extended period.

MARYLAND, Central

(MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT				
	10/02/15 07:24 EST	0		Coastal Flood
	10/07/15 14:15 EST	0		

Strong northeasterly flow with a stationary front just offshore and high pressure to the north resulted in tidal anomalies between 1.5 and 2.0 feet over an extended period.

(MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	10/11/15 02:19 EST	0		Dense Fog
	10/11/15 08:40 EST	0		

High pressure overhead resulted in mainly clear skies and light winds. A strong nocturnal inversion in place combining with these synoptic conditions produced areas of dense fog.

(MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	10/12/15 01:42 EST	0		Dense Fog
	10/12/15 06:22 EST	0		

Persisting high pressure resulting in clear skies and light winds produced localized areas of dense fog.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z507) NORTHWEST HARFORD

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	10/18/15 04:00 EST		0	Frost/Freeze
	10/18/15 08:00 EST		0	

High pressure built up over the region, resulting in light winds. Initially mostly cloudy skies kept temperatures moderate for the first half of the night. Clearing in the second half led to strong radiational cooling, dropping temperatures below freezing.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

10/19/15 00:00 EST	0	Frost/Freeze
10/19/15 08:00 EST	0	

High pressure built up over the region, resulting in light winds and clearing skies. Strong radiational cooling led to widespread temperatures dropping below freezing.

BALTIMORE COUNTY --- 0.7 N EKLO [39.69, -76.73]

10/28/15 19:57 EST	1K	Thunderstorm Wind (EG 52 kt)
10/28/15 19:57 EST	0	Source: Trained Spotter

Multiple trees were reported down.

CARROLL COUNTY --- 0.3 ESE HOUCKSVILLE [39.58, -76.87]

10/28/15 20:02 EST	1K	Thunderstorm Wind (EG 52 kt)
10/28/15 20:02 EST	0	Source: Trained Spotter

Numerous branches at least 4 inches in diameter were reported down.

A warm front lifted north through the Mid-Atlantic while a trough swung through aloft. Convergence at the surface near the frontal boundary combining with record high P-Wat values and decent shear led to the formation of strong to isolated severe thunderstorms.

VIRGINIA, North

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

10/05/15 22:55 EST	0	Dense Fog
10/06/15 07:15 EST	0	

High pressure centered over southern Pennsylvania led to light winds and clear skies. Valley fog developed as a result late in the night.

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

10/10/15 22:15 EST	0	Dense Fog
10/11/15 08:40 EST	0	

High pressure overhead resulted in mainly clear skies and light winds. A strong nocturnal inversion in place combining with these synoptic conditions produced areas of dense fog.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

10/18/15 01:00 EST	0	Frost/Freeze
10/18/15 08:00 EST	0	

High pressure built up over the region, resulting in light winds. Initially mostly cloudy skies kept temperatures moderate for the first half of the night. Clearing in the second half led to strong radiational cooling, dropping temperatures below freezing.

(VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN

10/18/15 23:00 EST	0	Frost/Freeze
10/19/15 08:00 EST	0	

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High pressure built up over the region, resulting in light winds and clearing skies. Strong radiational cooling led to widespread temperatures dropping below freezing.

WEST VIRGINIA, East

(WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

10/05/15 22:55 EST	0	Dense Fog
10/06/15 07:15 EST	0	

High pressure centered over southern Pennsylvania led to light winds and clear skies. Valley fog developed as a result late in the night.

(WV-Z050) HAMPSHIRE, (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

10/10/15 23:15 EST	0	Dense Fog
10/11/15 08:40 EST	0	

High pressure overhead resulted in mainly clear skies and light winds. A strong nocturnal inversion in place combining with these synoptic conditions produced areas of dense fog.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL

10/12/15 02:15 EST	0	Dense Fog
10/12/15 06:15 EST	0	

Persisting high pressure resulting in clear skies and light winds produced areas of fog.

(WV-Z051) MORGAN, (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

10/18/15 00:00 EST	0	Frost/Freeze
10/18/15 08:00 EST	0	

High pressure built up over the region, resulting in light winds. Initially mostly cloudy skies kept temperatures moderate for the first half of the night. Clearing in the second half led to strong radiational cooling, dropping temperatures below freezing.

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

10/19/15 00:00 EST	0	Frost/Freeze
10/19/15 08:00 EST	0	

High pressure built up over the region, resulting in light winds and clearing skies. Strong radiational cooling led to widespread temperatures dropping below freezing.