

Storm Data and Unusual Weather Phenomena - October 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 2.1 NNW WASHINGTON NATIONALS PARK [38.90, -77.02]				
	10/07/13 10:44 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 10:44 EST	0		Source: Mesonet
Wind gusts of 32 knots were measured at Pepco Washington DC.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.9 NE (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03]				
	10/07/13 10:46 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	10/07/13 10:46 EST	0		Source: ASOS
Wind gusts of 36 knots were measured at Washington National.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.3 NNE WASHINGTON NATIONALS PARK [38.87, -77.01]				
	10/07/13 10:49 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	10/07/13 10:49 EST	0		Source: Mesonet
Wind gusts of 34 knots were measured at Nationals Park.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.1 SE LYLES-CROUCH ACADEMY ALEXANDRIA [38.79, -77.04]				
	10/07/13 11:00 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	10/07/13 11:00 EST	0		Source: Buoy
Wind gusts of 35 knots were measured at Upper Potomac Buoy.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 3.1 NE MARTIN STATE AIRPORT [39.36, -76.37]				
	10/07/13 11:30 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	10/07/13 11:35 EST	0		Source: Mesonet
Wind gusts of 36 knots were measured at Gunpowder.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.3 ENE BABAR POINT [38.31, -77.03]				
	10/07/13 11:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 11:30 EST	0		Source: Mesonet
Wind gusts of 31 knots were measured at Baber Point.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 4.8 NNE GUNPOWDER FALLS STATE PARK [39.42, -76.29]				
	10/07/13 11:39 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	10/07/13 11:39 EST	0		Source: Mesonet
Wind gusts of 36 knots were measured at Deerfield Elementary School.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW PATAPSCO BUOY [39.15, -76.39]				
	10/07/13 11:40 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	10/07/13 11:40 EST	0		Source: Buoy
Wind gusts of 33 knots were measured at Patapsco Buoy.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.2 SE GREENBERRY POINT [38.97, -76.46]				
	10/07/13 11:43 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	10/07/13 11:48 EST	0		Source: Mesonet
Wind gusts of 34 knots were measured at Greenbury Point.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ENE BISHOPS HEAD [38.22, -76.04]				
	10/07/13 11:44 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:29 EST	0		Source: Mesonet
Wind gusts of 33 knots were measured at Bishop Head.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.3 N CUCKOLD CREEK [38.31, -76.93]				
	10/07/13 11:44 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 11:44 EST		0	Source: Mesonet
Wind gusts of 33 knots were measured at Cuckold Creek.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.1 ENE SANDY POINT [39.01, -76.40]				
	10/07/13 11:47 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 11:47 EST		0	Source: Mesonet
Wind gusts of 32 knots were measured at Sandy Point.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]				
	10/07/13 11:48 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	10/07/13 11:48 EST		0	Source: Mesonet
Wind gusts of 45 knots were measured at Tolchester.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 E BISHOPS HEAD [38.22, -76.04]				
	10/07/13 11:48 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:18 EST		0	Source: Mesonet
Wind gusts of 33 knots were measured at Bishops Head.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.9 SE GREENBERRY POINT [38.96, -76.45]				
	10/07/13 11:50 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	10/07/13 11:50 EST		0	Source: Buoy
Wind gusts of 35 knots were measured at Annapolis Buoy.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 0.3 WNW SUSQUEHANNA [39.54, -76.07]				
	10/07/13 12:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:00 EST		0	Source: Buoy
Wind gusts of 32 knots were measured at Susquehanna Buoy.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	10/07/13 12:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:00 EST		0	Source: Mesonet
Wind gusts of 32 knots were measured at Thomas Point.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 0.2 NE COVE POINT [38.43, -76.39]				
	10/07/13 12:30 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:54 EST		0	Source: Mesonet
Wind gusts of 32 knots were measured at Cove Point.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.3 NNW MID BAY BUOY [38.56, -76.41]				
	10/07/13 12:30 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:30 EST		0	Source: Buoy
Wind gusts of 33 knots were measured at Gooses Reef Buoy.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 11.2 E CHESAPEAKE BEACH [38.68, -76.33]				
	10/07/13 12:35 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	10/07/13 12:35 EST		0	Source: Mesonet
Wind gusts of 37 knots were measured at Blackwalnut Harbor.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 6.0 E PINEY POINT [38.13, -76.42]				

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	10/07/13 12:37 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:37 EST		0	Source: Mesonet

Wind gusts of 33 knots were measured at St Inigoes.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.5 E PATUXENT RIVER ASOS [38.29, -76.40]				
	10/07/13 12:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 12:42 EST		0	Source: ASOS

Wind gusts of 33 knots were measured at Patuxent River.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	10/07/13 13:00 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	10/07/13 13:00 EST		0	Source: Mesonet

Wind gusts of 34 knots were measured at Thomas Point.

CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 0.3 SE CAMBRIDGE [38.57, -76.07]				
	10/07/13 13:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 13:00 EST		0	Source: Mesonet

Wind gusts of 31 knots were measured at Cambridge.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]				
	10/07/13 13:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 13:00 EST		0	Source: Mesonet

Wind gusts of 31 knots were measured at Lewisetta.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.1 WNW POINT LOOKOUT [38.04, -76.32]				
	10/07/13 13:20 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	10/07/13 13:25 EST		0	Source: Mesonet

Wind gusts of 35 knots were measured at Point Lookout.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 NE POTOMAC BUOY [38.03, -76.34]				
	10/07/13 13:20 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 13:30 EST		0	Source: Buoy

Wind gusts of 31 knots were measured at Potomac Point Lookout Buoy.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.3 NNW MID BAY BUOY [38.56, -76.41]				
	10/07/13 13:40 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	10/07/13 13:40 EST		0	Source: Buoy

Wind gusts of 39 knots were measured at Gooses Reef.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSE LOWER HOOPERS ISLAND [38.26, -76.18]				
	10/07/13 13:59 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 13:59 EST		0	Source: Mesonet

Wind gusts of 31 knots were measured at Lower Hooper Island.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	10/07/13 14:10 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	10/07/13 14:25 EST		0	Source: Mesonet

Wind gusts of 35 knots were measured at Raccoon Point.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SE CRISFIELD [37.97, -75.88]				
	10/07/13 14:43 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	10/07/13 14:43 EST		0	Source: Mesonet

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Wind gusts of 32 knots were measured at Crisfield.

An upper level trough moved through the Mid West and warm moist air was in place across the Mid Atlantic. Showers and thunderstorms crossed the Potomac Highlands in the morning and across the I-95 corridor by early afternoon. Thunderstorms were capable of damaging wind gusts.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

	10/26/13 04:30 EST	0		Frost/Freeze
	10/26/13 07:30 EST	0		

High pressure was located across the Mid Atlantic and clear and calm conditions led to temperatures to fall below freezing. This ended the growing season in many locations.

MARYLAND, Central

(MD-Z017) ST. MARY'S

	10/10/13 17:00 EST	0		Coastal Flood
	10/10/13 19:00 EST	0		

A strong onshore flow caused tidal anomalies to increase along the western shore of the Maryland Chesapeake bay and the Tidal Potomac River.

(MD-Z003) WASHINGTON

	10/15/13 05:00 EST	0		Dense Fog
	10/15/13 09:00 EST	0		

High pressure was located across the Mid Atlantic and clear skies, light winds and antecedent conditions led to dense fog formation.

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

	10/21/13 04:00 EST	0		Frost/Freeze
	10/21/13 07:30 EST	0		

Calm and clear conditions led to temperatures to fall below freezing overnight.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z016) CHARLES, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	10/24/13 10:30 EST	0		Frost/Freeze
	10/25/13 09:00 EST	0		

An upper level trough was located across the region resulting in colder than normal temperatures. During the evening, calm and clear conditions led to temperatures to fall due to radiational cooling.

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	10/25/13 23:25 EST	0		Frost/Freeze
	10/26/13 08:10 EST	0		

High pressure was located across the Mid Atlantic and clear and calm conditions led to temperatures to fall below freezing. This ended the growing season in many locations.

(MD-Z014) ANNE ARUNDEL

	10/31/13 06:00 EST	0		Dense Fog
	10/31/13 08:35 EST	0		

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A tropical air mass moved into the Mid Atlantic and southerly flow ushered in moist air. Isolated areas of dense fog formed east of the Blue Ridge.

VIRGINIA, North

WINCHESTER (C) COUNTY --- 1.5 NW WINCHESTER [39.15, -78.19]

10/07/13 07:20 EST		0	Thunderstorm Wind (EG 52 kt)
10/07/13 07:20 EST		1K	Source: Broadcast Media

There were several trees down on Valley Ave near Treetops Lane.

WINCHESTER (C) COUNTY --- 2.5 NNE WINCHESTER [39.16, -78.16]

10/07/13 07:22 EST		10K	Thunderstorm Wind (EG 52 kt)
10/07/13 07:22 EST		0	Source: Emergency Manager

There was an eighteen wheeler flipped over on its side on southbound I-81 near exit 313.

WINCHESTER (C) COUNTY --- 2.1 N WINCHESTER [39.16, -78.16]

10/07/13 07:24 EST		2K	Thunderstorm Wind (EG 52 kt)
10/07/13 07:24 EST		0	Source: Emergency Manager

There were several HVAC units toppled over on the roof of Apple Blossom Mall.

FREDERICK COUNTY --- 0.6 W BURNING KNOLLS [39.17, -78.14]

10/07/13 07:25 EST		0	Thunderstorm Wind (EG 52 kt)
10/07/13 07:25 EST		0.25K	Source: Broadcast Media

There was a large trees down on Senseny Road near Winchester Country Club.

ALBEMARLE COUNTY --- 4.1 E RED HILL [37.98, -78.55]

10/07/13 09:09 EST		0	Thunderstorm Wind (EG 52 kt)
10/07/13 09:09 EST		0.25K	Source: County Official

There was a tree down on Old Lynchburg Road just north of Dudley Mountain Road.

SPOTSYLVANIA COUNTY --- 2.4 E BELMONT [38.15, -77.83]

10/07/13 14:23 EST		0	Thunderstorm Wind (EG 52 kt)
10/07/13 14:23 EST		0.25K	Source: Emergency Manager

There was a tree down on Stubbs Bridge Road near Belmont.

SPOTSYLVANIA COUNTY --- 2.1 SSW FOUR MILE FORK [38.22, -77.49]

10/07/13 14:42 EST		2K	Thunderstorm Wind (EG 52 kt)
10/07/13 14:42 EST		0	Source: Unknown

There was a HVAC unit that was damaged on flat three story medical center roof due to strong winds.

An upper level trough moved through the Mid West and warm moist air was in place across the Mid Atlantic. Showers and thunderstorms crossed the Potomac Highlands in the morning and across the I-95 corridor by early afternoon. Thunderstorms were capable of damaging wind gusts.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE

10/14/13 23:16 EST		0	Dense Fog
10/15/13 09:50 EST		0	

High pressure was located across the Mid Atlantic and clear skies, light winds and antecedent conditions led to dense fog formation.

(VA-Z027) SHENANDOAH

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	10/21/13 05:00 EST		0	Frost/Freeze
	10/21/13 07:00 EST		0	

Calm and clear conditions led to temperatures to fall below freezing overnight.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (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				
	10/24/13 23:00 EST		0	Frost/Freeze
	10/25/13 09:10 EST		0	

An upper level trough was located across the region resulting in colder than normal temperatures. During the evening, calm and clear conditions led to temperatures to fall due to radiational cooling.

(VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER				
	10/25/13 23:25 EST		0	Frost/Freeze
	10/26/13 08:30 EST		0	

(VA-Z039) MADISON				
	10/25/13 23:40 EST		0	Freezing Fog
	10/26/13 08:00 EST		0	

High pressure was located across the Mid Atlantic and clear and calm conditions led to temperatures to fall below freezing. This ended the growing season in many locations.

(VA-Z038) GREENE, (VA-Z050) ORANGE				
	10/31/13 05:00 EST		0	Dense Fog
	10/31/13 08:20 EST		0	

A tropical air mass moved into the Mid Atlantic and southerly flow ushered in moist air. Isolated areas of dense fog formed east of the Blue Ridge.

WEST VIRGINIA, East

(WV-Z053) JEFFERSON				
	10/15/13 02:10 EST		0	Dense Fog
	10/15/13 09:04 EST		0	

High pressure was located across the Mid Atlantic and clear skies, light winds and antecedent conditions led to dense fog formation.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL				
	10/21/13 04:00 EST		0	Frost/Freeze
	10/21/13 07:30 EST		0	

Calm and clear conditions led to temperatures to fall below freezing overnight.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL				
	10/25/13 00:50 EST		0	Frost/Freeze
	10/25/13 08:45 EST		0	

An upper level trough was located across the region resulting in colder than normal temperatures. During the evening, calm and clear conditions led to temperatures to fall due to radiational cooling.