

## Storm Data and Unusual Weather Phenomena - February 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03]</b>				
	02/11/12 11:49 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	02/11/12 11:49 EST	0		Source: ASOS
A wind gust of 34 knots was measured at Reagan National Airport.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.5 W WASHINGTON NATIONALS PARK [38.87, -77.02]</b>				
	02/11/12 15:00 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	02/11/12 15:12 EST	0		Source: Buoy
Wind gusts up to 37 knots were measured.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.4 S (DCA)REAGAN NATIONAL AIRPORT [38.84, -77.04]</b>				
	02/11/12 15:07 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	02/11/12 15:07 EST	0		Source: ASOS
A wind gust of 38 knots was reported at Reagan National Airport.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 1.3 E QUANTICO [38.50, -77.29]</b>				
	02/11/12 15:09 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	02/11/12 15:09 EST	0		Source: AWOS
A wind gust of 37 knots was reported at Quantico.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 ENE BABAR POINT [38.31, -77.03]</b>				
	02/11/12 15:35 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	02/11/12 15:45 EST	0		Source: Mesonet
Wind gusts up to 37 knots were measured at Baber Point.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]</b>				
	02/11/12 15:50 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	02/11/12 16:15 EST	0		Source: Mesonet
Wind gusts of 37 knots were measured at Cobb Point.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.1 NNE MONROE CREEK [38.23, -76.95]</b>				
	02/11/12 15:50 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	02/11/12 15:50 EST	0		Source: Mesonet
A wind gust of 35 knots was measured at Monroe Creek.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]</b>				
	02/11/12 16:12 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 16:12 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was measured at the Francis Scott Key Bridge.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.2 SE GREENBERRY POINT [38.97, -76.46]</b>				
	02/11/12 16:28 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 16:28 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was measured at Greenbury Point.				
<b>CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41]</b>				
	02/11/12 16:36 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	02/11/12 16:36 EST	0		Source: ASOS
A wind gust of 39 knots was measured at Patuxent River.				

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<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]</b>				
	02/11/12 16:36 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	02/11/12 17:00 EST		0	Source: Buoy
Wind gusts up to 34 knots were measured at Cove Point.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]</b>				
	02/11/12 16:36 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	02/11/12 16:36 EST		0	Source: Buoy
A wind gust of 38 knots was reported at Lewisetta.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53]</b>				
	02/11/12 16:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 16:54 EST		0	Source: Buoy
Wind gusts in excess of 30 knots were measured at Piney Point.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]</b>				
	02/11/12 16:48 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/11/12 17:12 EST		0	Source: Mesonet
Wind gusts up to 36 knots were reported at Tolchester Beach.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]</b>				
	02/11/12 16:55 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	02/11/12 17:00 EST		0	Source: Mesonet
Wind gusts up to 35 knots were measured at Point Lookout.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]</b>				
	02/11/12 17:00 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/11/12 17:00 EST		0	Source: C-MAN Station
A wind gust of 36 knots was reported at the Thomas Point Lighthouse.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 ENE BABAR POINT [38.31, -77.03]</b>				
	02/11/12 17:05 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 17:15 EST		0	Source: Mesonet
Wind gusts in excess of 30 knots were measured at Baber Point.				
<b>CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- CAMBRIDGE [38.57, -76.07]</b>				
	02/11/12 17:18 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	02/11/12 17:24 EST		0	Source: Buoy
Wind gusts of 34 knots were measured at Cambridge.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]</b>				
	02/11/12 17:18 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 17:18 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Bishops Head.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.2 SE GREENBERRY POINT [38.97, -76.46]</b>				
	02/11/12 17:24 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 17:24 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was reported at Greenbury Point.				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/11/12 17:24 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	02/11/12 18:06 EST		0	Source: Buoy

Wind gusts up to 41 knots were measured at Piney Point.

### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]

	02/11/12 17:35 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 18:10 EST		0	Source: Mesonet

Wind gusts in excess of 30 knots were measured at Point Lookout.

### CHESAPEAKE BAY POLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]

	02/11/12 17:42 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	02/11/12 18:12 EST		0	Source: Mesonet

Wind gusts up to 36 knots were reported at Tolchester Beach.

### CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]

	02/11/12 17:48 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	02/11/12 18:00 EST		0	Source: Buoy

Wind gusts up to 34 knots were measured at Cove Point.

### TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]

	02/11/12 17:51 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	02/11/12 17:51 EST		0	Source: Mesonet

A wind gust of 39 knots was measured at Crisfield.

### CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41]

	02/11/12 17:59 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/12 17:59 EST		0	Source: ASOS

A wind gust in excess of 30 knots was measured at Patuxent River.

**An upper-level trough passed through the waters on the 11th. Cold air aloft associated with the trough provided limited instability. The instability trigger showers over the waters and some of the showers were able to mix down gusty winds from aloft.**

### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]

	02/22/12 22:20 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/22/12 22:20 EST		0	Source: Mesonet

A wind gust in excess of 30 knots was reported at Cobb Point.

**An isolated shower was able to mix down gusty winds from aloft.**

### TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]

	02/29/12 11:55 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	02/29/12 11:55 EST		0	Source: Mesonet

A wind gust in excess of 30 knots was reported at Cobb Point.

**A warm front triggered showers and isolated thunderstorms. An isolated thunderstorm was able to mix down gusty winds from aloft.**

## DISTRICT OF COLUMBIA

### (DC-Z001) DISTRICT OF COLUMBIA

	02/17/12 02:04 EST		0	Dense Fog
	02/17/12 06:05 EST		0	

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High pressure built overhead causing mainly clear skies and light winds. Radiational cooling combined with higher amounts of low-level moisture to cause areas of dense fog.

### MARYLAND, Central

#### (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	02/05/12 22:55 EST	0	Dense Fog
	02/06/12 10:50 EST	0	

High pressure centered over Western Maryland allowed for mainly clear skies and light winds during the night of the 5th into the early morning hours of the 6th. Radiational cooling allowed for areas of dense fog to develop.

#### (MD-Z003) WASHINGTON, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD

	02/10/12 22:00 EST	0	Winter Weather
	02/11/12 04:00 EST	0	

An upper-level disturbance moved through the area...bringing a period of precipitation to the area. There was enough cold air for snow across northern and western Maryland.

#### (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	02/16/12 21:03 EST	0	Dense Fog
	02/17/12 09:03 EST	0	

High pressure built overhead causing mainly clear skies and light winds. Radiational cooling combined with higher amounts of low-level moisture to cause areas of dense fog.

#### (MD-Z017) ST. MARY'S

	02/19/12 13:00 EST	0	Winter Weather
	02/20/12 01:00 EST	0	

Low pressure passed by to the south while high pressure to north pumped in cold air. Precipitation associated with the low fell in the form of snow across lower southern Maryland.

#### CHARLES COUNTY --- 0.5 WNW MATTAWOMAN [38.65, -76.89]

	02/24/12 14:51 EST	0	Thunderstorm Wind (MG 52 kt)
	02/24/12 14:51 EST	0	Source: Trained Spotter

A wind gust of 60 mph was measured near Northwood.

#### ST. MARY'S COUNTY --- 0.5 ESE (NHK)NAS PATUXENT RI [38.28, -76.42]

	02/24/12 15:52 EST	0	Hail (1.00 in)
	02/24/12 15:52 EST	0	Source: Trained Spotter

Quarter sized hail was reported at Patuxent River.

A strong cold front passed through Maryland on the 24th. Unusually warm and moist air ahead of the boundary caused an unstable atmosphere to develop. The instability combined with strong forcing from the front for a couple thunderstorms to become severe.

#### (MD-Z004) FREDERICK

	02/24/12 19:26 EST	0	High Wind (MAX 55 kt)
	02/24/12 19:26 EST	0	

Low pressure rapidly intensified as it moved into New England on the 24th. A strong pressure gradient between the low and surface high pressure across the central United States resulted in gusty winds.

#### (MD-Z501) EXTREME WESTERN ALLEGANY

	02/25/12 01:00 EST	0	Winter Weather
	02/25/12 17:00 EST	0	

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Low pressure intensified over eastern Canada on the 25th. A cold northwest flow around this system was able to pick up moisture from the Great Lakes, triggering snow showers across locations along and west of the Allegheny Front.

### VIRGINIA, North

(VA-Z025) AUGUSTA, (VA-Z504) EASTERN HIGHLAND

02/06/12 02:00 EST	0	Dense Fog
02/06/12 09:00 EST	0	

High pressure centered over central Virginia allowed for mainly clear skies and light winds during the early morning hours of the 6th. Radiational cooling allowed for areas of dense fog to develop.

(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-Z502) SOUTHERN FAUQUIER

02/16/12 19:55 EST	0	Dense Fog
02/17/12 08:55 EST	0	

High pressure built overhead causing mainly clear skies and light winds. Radiational cooling combined with higher amounts of low-level moisture to cause areas of dense fog.

(VA-Z026) ROCKINGHAM, (VA-Z029) PAGE, (VA-Z039) MADISON, (VA-Z051) CULPEPER, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z504) EASTERN HIGHLAND

02/19/12 11:00 EST	0	Winter Weather
02/19/12 23:00 EST	0	

(VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z050) ORANGE

02/19/12 11:00 EST	0	Winter Storm
02/19/12 22:00 EST	0	

Low pressure passed by to the south while high pressure to north pumped in cold air. Precipitation associated with the low fell in the form of snow across central Virginia.

(VA-Z503) WESTERN HIGHLAND

02/25/12 01:00 EST	0	Winter Weather
02/25/12 17:00 EST	0	

Low pressure intensified over eastern Canada on the 25th. A cold northwest flow around this system was able to pick up moisture from the Great Lakes, triggering snow showers across locations along and west of the Allegheny Front.

### WEST VIRGINIA, East

(WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL

02/05/12 22:55 EST	0	Dense Fog
02/06/12 10:50 EST	0	

High pressure centered over eastern West Virginia allowed for mainly clear skies and light winds during the night of the 5th into the early morning hours of the 6th. Radiational cooling allowed for areas of dense fog to develop.

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

02/10/12 16:00 EST	0	Winter Storm
02/12/12 15:00 EST	0	

Low pressure developed off the New England coast and a northwest flow ushered in plenty of cold air across eastern West Virginia. The cold northwest flow picked up moisture from the Great Lakes causing snow showers across locations along and west of the Allegheny Front.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON

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	02/25/12 01:00 EST		0	Winter Weather
	02/25/12 17:00 EST		0	

Low pressure intensified over eastern Canada on the 25th. A cold northwest flow around this system was able to pick up moisture from the Great Lakes, triggering snow showers across locations along and west of the Allegheny Front.