

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### ATLANTIC NORTH

#### CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.4 SE TOLLY POINT [38.94, -76.44]

01/31/13 01:48 EST	0	Marine Thunderstorm Wind (MG 51 kt)
01/31/13 01:48 EST	0	Source: Mesonet

Wind gusts up to 51 knots were reported at Tolly Point.

A upper level trough was moving eastward and across most of the eastern U.S. with a surface low pressure center across the eastern Great Lakes. A cold front moved through the Mid Atlantic with dew points in the low 60s ahead of frontal passage. A strong low level jet on the eastern side of trough aided in strong winds reaching the surface. Flood and flash flood also occurred along or just ahead of the frontal passage.

### DISTRICT OF COLUMBIA

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

01/13/13 02:52 EST	0	Dense Fog
01/13/13 05:45 EST	0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the second consecutive day of dense fog in the region.

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

01/13/13 14:52 EST	0	Dense Fog
01/14/13 00:52 EST	0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the third consecutive day of dense fog in the region.

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

01/24/13 01:00 EST	0	Winter Weather
01/24/13 09:00 EST	0	

A positively tilted trough of low pressure moved through the Mid Atlantic while a weak clipper system moved through Central Virginia. Cold temperatures and banding produced advisory level snowfall accumulations.

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

01/25/13 14:00 EST	0	Winter Weather
01/25/13 18:00 EST	0	

An Alberta clipper moved through the Mid Atlantic producing light snow for most of the region. Dry air at the surface limited snowfall amounts for most of the area.

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

01/28/13 04:00 EST	0	Winter Weather
01/28/13 08:00 EST	0	

High pressure was slow to move off the Atlantic Coast and sub freezing air was trapped on the leeward side of the Appalachian Mountains. Southwest flow a few thousand feet above the surface brought above freezing temperatures and led to freezing rain and accumulating ice in the Mid Atlantic.

### MARYLAND, Central

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/11/13 21:50 EST		0	Dense Fog
	01/12/13 10:37 EST		0	

High pressure was centered off the Atlantic Coast. Southerly flow drew in moisture off from the south and off the Atlantic. Calm winds after sunset led to widespread dense fog.

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

	01/12/13 17:49 EST		0	Dense Fog
	01/14/13 00:00 EST		0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the second consecutive day of dense fog in the region.

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z018) CALVERT

	01/13/13 06:45 EST		0	Dense Fog
	01/14/13 05:20 EST		0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the third consecutive day of dense fog in the region.

(MD-Z501) EXTREME WESTERN ALLEGANY

	01/14/13 18:00 EST		0	Winter Weather
	01/15/13 00:00 EST		0	

A cold front stalled to the south of the Mid Atlantic region and waves of low pressure moved along it. Northerly flow caused temperatures to get below freezing in the higher elevations west of the Allegheny Front. Moisture and warmer air aloft streamed in from the Atlantic and freezing rain formed in the higher elevations.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	01/15/13 21:00 EST		0	Winter Weather
	01/16/13 11:00 EST		0	

A cold front stalled to the south of the Mid Atlantic region and a weak disturbance moved along it. Northerly flow caused temperatures to get below freezing west of the Blue Ridge and Northern Maryland. Moisture and warmer air aloft streamed in from the Atlantic and freezing rain formed where temperatures were below freezing.

(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

	01/23/13 22:00 EST		0	Winter Weather
	01/24/13 09:00 EST		0	

A positively tilted trough of low pressure moved through the Mid Atlantic while a weak clipper system moved through Central Virginia. Cold temperatures and banding produced advisory level snowfall accumulations.

(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-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	01/25/13 13:00 EST		0	Winter Weather
	01/25/13 19:00 EST		0	

(MD-Z501) EXTREME WESTERN ALLEGANY

	01/25/13 13:00 EST		0	Winter Storm
	01/26/13 18:00 EST		0	

An Alberta clipper moved through the Mid Atlantic producing light snow for most of the region. Dry air at the surface limited snowfall amounts for most of the area.

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>(MD-Z003) WASHINGTON, (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, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY</b>				
	01/28/13 03:00 EST		0	Winter Weather
	01/28/13 12:00 EST		0	
<p>High pressure was slow to move off the Atlantic Coast and sub freezing air was trapped on the leeward side of the Appalachian Mountains. Southwest flow a few thousand feet above the surface brought above freezing temperatures and led to freezing rain and accumulating ice in the Mid Atlantic.</p>				
<b>FREDERICK COUNTY --- 2.1 E PARK MILLS [39.30, -77.38], 1.9 E PARK MILLS [39.30, -77.38], 1.9 E PARK MILLS [39.30, -77.38], 2.1 E PARK MILLS [39.30, -77.38]</b>				
	01/30/13 19:37 EST		0	Flash Flood (due to Heavy Rain)
	01/30/13 21:37 EST		0	Source: Trained Spotter
<p>There was a water rescue of a woman from atop her stranded car on a flooded portion of Peters Road. There were multiple road closures reported throughout the county.</p>				
<b>MONTGOMERY COUNTY --- 1.3 ESE CLARKSBURG [39.22, -77.26], 1.2 ESE CLARKSBURG [39.22, -77.26], 1.3 ESE CLARKSBURG [39.22, -77.26], 1.3 ESE CLARKSBURG [39.22, -77.26]</b>				
	01/30/13 20:20 EST		0	Flash Flood (due to Heavy Rain)
	01/30/13 22:20 EST		0	Source: Newspaper
<p>There was a water rescue completed near Frederick and Newcut Roads.</p>				
<b>CARROLL COUNTY --- 0.8 NNE CARROLLTON [39.56, -76.92], 0.7 N CARROLLTON [39.56, -76.92], 0.4 N CARROLLTON [39.56, -76.92], 0.5 NNE CARROLLTON [39.56, -76.91]</b>				
	01/30/13 20:55 EST		0	Flash Flood (due to Heavy Rain)
	01/30/13 22:55 EST		0	Source: 911 Call Center
<p>There was flooding at the intersection of Dutrow Road and Carrollton Road. Road was damaged.</p>				
<b>FREDERICK COUNTY --- 1.1 NNE SAMS CREEK [39.51, -77.09], 2.7 WNW SAMS CREEK [39.51, -77.15], 2.1 E UNIONVILLE [39.48, -77.14], 1.3 SE SAMS CREEK [39.49, -77.08]</b>				
	01/30/13 21:00 EST		0	Flash Flood (due to Heavy Rain)
	01/30/13 23:00 EST		0	Source: Trained Spotter
<p>There was a bridge under water near the intersection of Marston Road and Sims Creek Road.</p>				
<b>HOWARD COUNTY --- 0.4 NW FLORENCE [39.32, -77.13], 0.5 NW FLORENCE [39.32, -77.13], 0.4 WNW FLORENCE [39.32, -77.13], 0.4 WNW FLORENCE [39.32, -77.13]</b>				
	01/30/13 22:15 EST		0	Flash Flood (due to Heavy Rain)
	01/31/13 00:15 EST		0	Source: 911 Call Center
<p>Shaffersville Road was flooded at Shaffers Mill Road.</p>				
<b>ANNE ARUNDEL COUNTY --- 0.7 N MARYLAND CITY [39.11, -76.82], 1.2 W MARYLAND CITY [39.10, -76.84], 1.0 WSW MARYLAND CITY [39.09, -76.84], 0.1 SW MARYLAND CITY [39.10, -76.82]</b>				
	01/31/13 02:00 EST	1	0	Flash Flood (due to Heavy Rain)
	01/31/13 04:00 EST		0	Source: 911 Call Center
<p>A homeless woman drowned as rains flooded a homeless camp in Maryland City near the Patuxent River. Also, there were two females extracted from their vehicle stuck in standing water at Brock Bridge Road and Whiskey Bottom Road.</p>				
<p>Direct Fatalities: F26CA</p>				
<p><b>A upper level trough was moving eastward and across most of the eastern U.S. with a surface low pressure center across the eastern Great Lakes. A cold front moved through the Mid Atlantic with dew points in the low 60s ahead of frontal passage. A strong low level jet on the eastern side of trough aided in strong winds reaching the surface. Flood and flash flood also occurred along or just ahead of the frontal passage.</b></p>				
<b>CHARLES COUNTY --- 0.2 SSW POMFRET [38.58, -77.03]</b>				

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/31/13 00:57 EST		0	Thunderstorm Wind (EG 50 kt)
	01/31/13 00:57 EST		1K	Source: 911 Call Center

There was a tree down near Marshalls Corner Road and Pomfret Road.

### CHARLES COUNTY --- 2.0 S DENTSVILLE [38.45, -76.90]

	01/31/13 01:18 EST		0	Thunderstorm Wind (EG 50 kt)
	01/31/13 01:18 EST		1K	Source: 911 Call Center

There was a tree down near the intersection of Penns Hill Road and Marcus Lane.

### ST. MARY'S COUNTY --- 2.4 NNE CHAPTICO [38.40, -76.77]

	01/31/13 01:35 EST		0	Thunderstorm Wind (EG 50 kt)
	01/31/13 01:35 EST		1K	Source: 911 Call Center

There was a tree down near Mechanicsville Road and Asher Road.

### CHARLES COUNTY --- 0.1 WNW BRYANS ROAD [38.63, -77.07]

	01/31/13 01:37 EST		0	Thunderstorm Wind (EG 50 kt)
	01/31/13 01:37 EST		1K	Source: 911 Call Center

There was a tree down near 2960 Marshall Hall Road.

### ST. MARY'S COUNTY --- 0.8 NNE OAKVILLE [38.39, -76.64]

	01/31/13 01:52 EST		0	Thunderstorm Wind (EG 50 kt)
	01/31/13 01:52 EST		1K	Source: 911 Call Center

There was a tree down near Three Notch Road and N. Sandgates Road.

A upper level trough was moving eastward and across most of the eastern U.S. with a surface low pressure center across the eastern Great Lakes. A cold front moved through the Mid Atlantic with dew points in the low 60s ahead of frontal passage. A strong low level jet on the eastern side of trough aided in strong winds reaching the surface. Flood and flash flood also occurred along or just ahead of the frontal passage.

### (MD-Z501) EXTREME WESTERN ALLEGANY

	01/31/13 03:00 EST		0	Winter Weather
	01/31/13 23:59 EST		0	

An upper trough of low pressure was over the Great Lakes region. After a cold frontal passage, northwest flow produced upslope snow showers west of the Allegheny Front in the Mid Atlantic.

## VIRGINIA, North

(VA-Z026) ROCKINGHAM, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z052) PRINCE WILLIAM, (VA-Z055) STAFFORD, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER

	01/11/13 22:55 EST		0	Dense Fog
	01/12/13 13:00 EST		0	

High pressure was centered off the Atlantic Coast. Southerly flow drew in moisture off from the south and off the Atlantic. Calm winds after sunset led to widespread dense fog.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (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-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER

	01/12/13 17:49 EST		0	Dense Fog
	01/14/13 00:00 EST		0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the second consecutive day of dense fog

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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in the region.

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(VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (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

01/13/13 14:52 EST	0	Dense Fog
01/14/13 02:15 EST	0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the third consecutive day of dense fog in the region.

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(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-Z501) NORTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

01/15/13 16:00 EST	0	Winter Weather
01/16/13 11:00 EST	0	

A cold front stalled to the south of the Mid Atlantic region and a weak disturbance moved along it. Northerly flow caused temperatures to get below freezing west of the Blue Ridge and Northern Maryland. Moisture and warmer air aloft streamed in from the Atlantic and freezing rain formed where temperatures were below freezing.

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(VA-Z036) NELSON

01/17/13 10:00 EST	0	Winter Storm
01/17/13 23:00 EST	0	

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

01/17/13 16:00 EST	0	Winter Weather
01/17/13 23:00 EST	0	

An upper level trough moved through the eastern U.S. Surface low pressure formed near the Carolinas and tracked eastward towards the Atlantic Coast. Moisture ahead of this system aided in snow development as well as instability. Areas in central Virginia saw the most snowfall.

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(VA-Z027) SHENANDOAH, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (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, (VA-Z503) WESTERN HIGHLAND

01/23/13 22:00 EST	0	Winter Weather
01/24/13 09:00 EST	0	

A positively tilted trough of low pressure moved through the Mid Atlantic while a weak clipper system moved through Central Virginia. Cold temperatures and banding produced advisory level snowfall accumulations.

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(VA-Z028) FREDERICK, (VA-Z042) LOUDOUN, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND

01/25/13 13:00 EST	0	Winter Weather
01/26/13 18:00 EST	0	

An Alberta clipper moved through the Mid Atlantic producing light snow for most of the region. Dry air at the surface limited snowfall amounts for most of the area.

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(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-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

01/28/13 03:00 EST	0	Winter Weather
01/28/13 10:00 EST	0	

High pressure was slow to move off the Atlantic Coast and sub freezing air was trapped on the leeward side of the Appalachian Mountains. Southwest flow a few thousand feet above the surface brought above freezing temperatures and led to freezing rain and accumulating ice in the Mid Atlantic.

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STAFFORD COUNTY --- 0.9 SE BERA [38.34, -77.51]

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/30/13 01:27 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 01:27 EST		0.50K	Source: 911 Call Center

There was a tree down blocking a road near intersection of SanFord Drive and Paul Lane.

### ALBEMARLE COUNTY --- 0.5 ESE WHITE HALL [38.12, -78.66]

	01/30/13 18:01 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:01 EST		2K	Source: Emergency Manager

There were trees down on the 3200 block of Browns Gap Turnpike.

### ALBEMARLE COUNTY --- 2.2 SW RIO [38.05, -78.50]

	01/30/13 18:02 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:02 EST		2K	Source: Emergency Manager

There were trees down blocking US Highway 29 near the intersection of US Highway 250 NW of Charlottesville.

### GREENE COUNTY --- 0.5 NW STANDARDSVILLE [38.31, -78.44]

	01/30/13 18:09 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:09 EST		2K	Source: 911 Call Center

There was a tree knocked down onto power lines along Brush lane.

### MADISON COUNTY --- 0.6 ESE MADISON [38.38, -78.26]

	01/30/13 18:22 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:22 EST		5K	Source: 911 Call Center

There were trees down across the county.

### NELSON COUNTY --- 0.9 N SCHUYLER [37.79, -78.70]

	01/30/13 18:22 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:22 EST		2K	Source: 911 Call Center

There were trees down across Rockfish River Road.

### GREENE COUNTY --- 2.3 S RUCKERSVILLE [38.20, -78.37]

	01/30/13 18:26 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:26 EST		2K	Source: 911 Call Center

There were several trees down across Preddy Creek Road.

### CULPEPER COUNTY --- 1.6 ENE CULPEPER [38.49, -77.97]

	01/30/13 18:44 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:44 EST		2K	Source: 911 Call Center

There were a few trees down across Jerico Mills Road.

### CULPEPER COUNTY --- 1.4 SSE INLET [38.46, -77.92]

	01/30/13 18:48 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 18:48 EST		0.50K	Source: 911 Call Center

There was a tree down along Greens Corner Road.

### PRINCE WILLIAM COUNTY --- 1.2 NNW AGNEWVILLE [38.68, -77.29]

	01/30/13 19:53 EST		0	Thunderstorm Wind (EG 50 kt)
	01/30/13 19:53 EST		1K	Source: Trained Spotter

There were several branches about three inches in diameter knocked down.

**A upper level trough was moving eastward and across most of the eastern U.S. with a surface low pressure center across the eastern Great Lakes. A cold front moved through the Mid Atlantic with dew points in the low 60s ahead of frontal passage. A strong low level jet on the eastern side of trough aided in strong winds reaching the surface. Flood and flash flood also occurred along or just ahead of the frontal passage.**

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LOUDOUN COUNTY --- 2.0 WSW HILLSBORO [39.18, -77.75], 2.0 WSW HILLSBORO [39.18, -77.75], 2.1 WSW HILLSBORO [39.18, -77.75], 2.0 SW HILLSBORO [39.18, -77.75]</b>				
	01/30/13 18:05 EST	0		Flash Flood (due to Heavy Rain)
	01/30/13 20:00 EST	0		Source: Trained Spotter
There was a creek washed over route 716 at Silverbrook Lane. There was a water rescue in progress.				
<b>FAUQUIER COUNTY --- 1.2 NNW DELAPLANE [38.94, -77.93], 1.3 NW DELAPLANE [38.94, -77.93], 1.2 NW DELAPLANE [38.93, -77.93], 1.2 NW DELAPLANE [38.93, -77.93]</b>				
	01/30/13 19:11 EST	0		Flash Flood (due to Heavy Rain)
	01/30/13 21:11 EST	0		Source: 911 Call Center
There was water over Winchester Road.				
<b>LOUDOUN COUNTY --- 1.4 ENE PURCELLVILLE [39.16, -77.70], 1.3 ENE PURCELLVILLE [39.16, -77.70], 1.3 ENE PURCELLVILLE [39.16, -77.70], 1.3 ENE PURCELLVILLE [39.16, -77.70]</b>				
	01/30/13 20:30 EST	0		Flash Flood (due to Heavy Rain)
	01/30/13 22:30 EST	0		Source: Trained Spotter
Allder School Road at South Fork Catoctin Creek was flooded with 2-3 feet of water.				
<b>AUGUSTA COUNTY --- 0.2 E CRAIGSVILLE [38.08, -79.38], 0.0 ENE CRAIGSVILLE [38.08, -79.38], 0.1 SSE CRAIGSVILLE [38.08, -79.38], 0.2 ESE CRAIGSVILLE [38.08, -79.38]</b>				
	01/30/13 21:31 EST	0		Flash Flood (due to Heavy Rain)
	01/30/13 23:31 EST	0		Source: 911 Call Center
There was flooding on Quarry Lane in Craigsville.				
<b>AUGUSTA COUNTY --- 1.3 ESE WEST AUGUSTA [38.27, -79.31], 1.4 ESE WEST AUGUSTA [38.27, -79.31], 1.4 ESE WEST AUGUSTA [38.27, -79.31], 1.3 ESE WEST AUGUSTA [38.27, -79.31]</b>				
	01/30/13 21:31 EST	0		Flash Flood (due to Heavy Rain)
	01/30/13 23:31 EST	0		Source: 911 Call Center
The 700 block of Deerfield Valley Road was under water.				
<b>ROCKINGHAM COUNTY --- 2.8 WNW BOX CREEK [38.59, -78.95], 2.4 WNW BOX CREEK [38.59, -78.94], 2.4 W BOX CREEK [38.59, -78.94], 2.8 NNW SPARKLING SPGS [38.59, -78.95]</b>				
	01/30/13 23:45 EST	0		Flash Flood (due to Heavy Rain)
	01/31/13 01:45 EST	0		Source: Emergency Manager
There was water running over the road at Hopkins Gap Road and therefore it was closed.				
<b>LOUDOUN COUNTY --- 0.5 NE BROAD RUN FARMS [39.03, -77.36], 0.2 N BROAD RUN FARMS [39.03, -77.37], 0.7 S BROAD RUN FARMS [39.02, -77.37], 0.6 SSE BROAD RUN FARMS [39.02, -77.36]</b>				
	01/30/13 23:55 EST	0		Flash Flood (due to Heavy Rain)
	01/31/13 01:55 EST	0		Source: Trained Spotter
Thomas Avenue at Sugarland Run was under water.				
<b>A upper level trough was moving eastward and across most of the eastern U.S. with a surface low pressure center across the eastern Great Lakes. A cold front moved through the Mid Atlantic with dew points in the low 60s ahead of frontal passage. A strong low level jet on the eastern side of trough aided in strong winds reaching the surface. Flood and flash flood also occurred along or just ahead of the frontal passage.</b>				
<b>(VA-Z503) WESTERN HIGHLAND</b>				
	01/31/13 03:00 EST	0		Winter Weather
	01/31/13 23:59 EST	0		
<b>An upper trough of low pressure was over the Great Lakes region. After a cold frontal passage, northwest flow produced upslope snow showers west of the Allegheny Front in the Mid Atlantic.</b>				

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### WEST VIRGINIA, East

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL

01/11/13 21:41 EST	0	Dense Fog
01/12/13 10:37 EST	0	

High pressure was centered off the Atlantic Coast. Southerly flow drew in moisture off from the south and off the Atlantic. Calm winds after sunset led to widespread dense fog.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL

01/13/13 02:15 EST	0	Dense Fog
01/13/13 11:47 EST	0	

High pressure was centered off the Atlantic coast. Southerly flow has transported mild temperatures and moisture northward into the Mid Atlantic Region. Calm winds and low level moisture led to dense fog overnight. This was the second consecutive day of dense fog in the region.

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

01/14/13 18:00 EST	0	Winter Weather
01/15/13 00:00 EST	0	

A cold front stalled to the south of the Mid Atlantic region and waves of low pressure moved along it. Northerly flow caused temperatures to get below freezing in the higher elevations west of the Allegheny Front. Moisture and warmer air aloft streamed in from the Atlantic and freezing rain formed in the higher elevations.

(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

01/15/13 19:00 EST	0	Winter Weather
01/16/13 11:00 EST	0	

A cold front stalled to the south of the Mid Atlantic region and a weak disturbance moved along it. Northerly flow caused temperatures to get below freezing west of the Blue Ridge and Northern Maryland. Moisture and warmer air aloft streamed in from the Atlantic and freezing rain formed where temperatures were below freezing.

(WV-Z501) WESTERN GRANT

01/23/13 22:00 EST	0	Winter Weather
01/24/13 05:00 EST	0	

(WV-Z505) WESTERN PENDLETON

01/23/13 22:00 EST	0	Winter Storm
01/24/13 05:00 EST	0	

A positively tilted trough of low pressure moved through the Mid Atlantic while a weak clipper system moved through Central Virginia. Cold temperatures and banding produced advisory level snowfall accumulations.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON

01/25/13 13:00 EST	0	Winter Weather
01/26/13 18:00 EST	0	

An Alberta clipper moved through the Mid Atlantic producing light snow for most of the region. Dry air at the surface limited snowfall amounts for most of the area.

(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

01/28/13 03:00 EST	0	Winter Weather
01/28/13 12:00 EST	0	

High pressure was slow to move off the Atlantic Coast and sub freezing air was trapped on the leeward side of the Appalachian Mountains. Southwest flow a few thousand feet above the surface brought above freezing temperatures and led to freezing rain and



## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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accumulating ice in the Mid Atlantic.

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

01/31/13 03:00 EST

0

Winter Weather

01/31/13 23:59 EST

0

An upper trough of low pressure was over the Great Lakes region. After a cold frontal passage, northwest flow produced upslope snow showers west of the Allegheny Front in the Mid Atlantic.