

Storm Data and Unusual Weather Phenomena - October 2011

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

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]

	10/13/11 16:47 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	10/13/11 16:47 EST	0		Source: ASOS

A wind gust of 37 knots was reported at Quantico.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03]

	10/13/11 21:49 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	10/13/11 21:49 EST	0		Source: ASOS

A wind gust in excess of 30 knots was reported at the Reagan National Airport.

A warm front passed through the waters during the afternoon and evening hours of the 13th. A couple thunderstorms were able to mix down gusty winds from aloft.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

	10/12/11 20:00 EST	0		Coastal Flood
	10/12/11 20:06 EST	0		

A persistent onshore flow between high pressure off the Mid-Atlantic Coast and a cold front over the Midwest caused positive tidal anomalies. Water levels exceeded thresholds for moderate coastal flooding near high tide during the afternoon hours of the 12th.

MARYLAND, Central

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

	10/07/11 02:34 EST	0		Dense Fog
	10/07/11 08:55 EST	0		

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of western Maryland.

(MD-Z502) CENTRAL AND EASTERN ALLEGANY

	10/08/11 06:17 EST	0		Dense Fog
	10/08/11 08:35 EST	0		

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of western Maryland.

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

	10/09/11 01:06 EST	0		Dense Fog
	10/09/11 07:30 EST	0		

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of western Maryland.

(MD-Z502) CENTRAL AND EASTERN ALLEGANY

	10/10/11 01:44 EST	0		Dense Fog
	10/10/11 09:47 EST	0		

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of western Maryland.

(MD-Z502) CENTRAL AND EASTERN ALLEGANY

Storm Data and Unusual Weather Phenomena - October 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/11/11 02:28 EST		0	Dense Fog
	10/11/11 08:51 EST		0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of western Maryland.

(MD-Z014) ANNE ARUNDEL

	10/13/11 16:09 EST		0	Coastal Flood
	10/13/11 20:30 EST		0	

A persistent onshore flow between high pressure off the Mid-Atlantic Coast and a cold front over the Midwest caused positive tidal anomalies. Water levels at Annapolis exceeded thresholds for moderate coastal flooding near high tide on the 13th.

HARFORD COUNTY --- 0.9 ESE VAN BIBBER [39.45, -76.28]

	10/14/11 10:02 EST		1K	Thunderstorm Wind (EG 50 kt)
	10/14/11 10:02 EST		0	Source: Public

A fifteen-foot pine tree was down due to thunderstorm winds.

HARFORD COUNTY --- 0.5 NNW GLENNVILLE [39.61, -76.22]

	10/14/11 10:22 EST		0	Hail (1.00 in)
	10/14/11 10:22 EST		0	Source: Public

Quarter sized hail was reported.

A cold front passed through Maryland on the 14th. Moderate instability along with forcing associated with the front caused a couple thunderstorms to become severe.

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

	10/28/11 17:00 EST		0	Winter Storm
	10/29/11 19:00 EST		0	

(MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD

	10/29/11 05:00 EST		0	Winter Weather
	10/29/11 19:00 EST		0	

High pressure over New England pumped in an abundant amount of cold air while low pressure developed along the Mid-Atlantic Coast. Precipitation well ahead of the low overspread Maryland on the evening of the 28th. Precipitation continued through most of the 29th before ending during the late afternoon and evening hours. Precipitation started off as rain across most areas, but colder air wrapped into the storm system causing rain to change over to snow.

The combination of heavy wet snow on trees that still had leaves caused numerous power outages across northern and western Maryland.

(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

	10/30/11 04:00 EST		0	Frost/Freeze
	10/30/11 08:00 EST		0	

Canadian high pressure provided chilly conditions during the morning hours of the 30th. Minimum temperatures during the early morning hours range from the mid 20s to lower 30s.

VIRGINIA, North

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

	10/07/11 01:15 EST		0	Dense Fog
	10/07/11 08:55 EST		0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of northern and central Virginia.

(VA-Z029) PAGE

	10/10/11 21:35 EST	0	Dense Fog
	10/11/11 02:15 EST	0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of central Virginia.

(VA-Z054) ARLINGTON

	10/12/11 19:02 EST	0	Coastal Flood
	10/13/11 21:37 EST	0	

A persistent onshore flow between high pressure off the Mid-Atlantic Coast and a cold front over the Midwest caused positive tidal anomalies. Water levels at Alexandria exceeded thresholds for moderate coastal flooding near high tide during the 12th and 13th.

NELSON COUNTY --- 0.7 ENE SHIPMAN [37.72, -78.84], 0.9 NE SHIPMAN [37.73, -78.84], 1.1 ENE SHIPMAN [37.73, -78.83], 0.6 E SHIPMAN [37.72, -78.84]

	10/12/11 19:52 EST	0	Flash Flood (due to Heavy Rain)
	10/12/11 23:00 EST	0	Source: Fire Department/Rescue

Water was over a roadway in Shipman. A nearby spotter reported 3.55 inches of rain.

ALBEMARLE COUNTY --- 0.6 E ESMONT [37.83, -78.61], 0.6 ESE ESMONT [37.83, -78.61], 0.8 ESE ESMONT [37.83, -78.61], 0.8 ENE ESMONT [37.83, -78.61], 0.6 ENE ESMONT [37.83, -78.61]

	10/12/11 22:30 EST	0	Flash Flood (due to Heavy Rain)
	10/12/11 23:30 EST	0	Source: State Official

Esmont Road was closed near the 7500 block due to water running over the roadway. A nearby rain gauge recorded 3.88 inches.

A slow-moving northwest-to-southeast oriented warm front lifted through Virginia, accompanied by a broad band of light to moderate rain. During the afternoon and evening, instability on the southern edges of this band helped induce thunderstorms with locally heavy rainfall. Excessive rainfall amounts, aided by terrain-induced lift, caused a couple of flash floods in the central Virginia Foothills. Rainfall amounts in Nelson County were measured to be as high as 4.28 inches.

CULPEPER COUNTY --- 0.5 NE MONUMENT MILLS [38.60, -77.99], 0.1 NNW MONUMENT MILLS [38.60, -78.00], 0.4 WNW MONUMENT MILLS [38.60, -78.01], 0.4 NW MONUMENT MILLS [38.60, -78.00]

	10/13/11 09:00 EST	0	Flood (due to Heavy Rain)
	10/13/11 14:00 EST	0	Source: Fire Department/Rescue

Butler Store Road was closed near its intersection with Monumental Mills Road due to earlier rainfall. A nearby spotter measured 3.26 inches of rain.

FAIRFAX COUNTY --- 0.7 E CROWELLS CORNER [38.95, -77.29], 0.7 W KENMORE [38.95, -77.28], 0.5 W KENMORE [38.95, -77.28], 0.8 WNW KENMORE [38.95, -77.28]

	10/13/11 17:30 EST	0	Flash Flood (due to Heavy Rain)
	10/13/11 21:30 EST	0	Source: Fire Department/Rescue

The intersection of Browns Mill Road and Beulah Road was closed due to flash flooding. A nearby spotter measured 2.99 inches of rain.

FAIRFAX COUNTY --- 0.9 NW CLARKS CROSSING [38.93, -77.31], 0.8 NNW CLARKS CROSSING [38.93, -77.30], 0.7 N CLARKS CROSSING [38.93, -77.30], 0.7 NNW CLARKS CROSSING [38.93, -77.31]

	10/13/11 17:30 EST	0	Flood (due to Heavy Rain)
	10/13/11 21:30 EST	0	Source: NWS Employee

Hunter Mill Road closed south of the intersection of Hunter Mill Road and Cedar Pond Road. Water was flowing across the roadway with depth of at least 6 inches. A nearby rain gauge tallied 1.53 inches.

LOUDOUN COUNTY --- 0.8 SSE BROAD RUN FARMS [39.02, -77.37], 0.8 SSE BROAD RUN FARMS [39.02, -77.37], 0.7 SSE BROAD RUN FARMS [39.02, -77.37], 0.6 S BROAD RUN FARMS [39.02, -77.37], 0.7 S BROAD RUN FARMS [39.02, -77.37]

	10/13/11 19:55 EST	0	Flash Flood (due to Heavy Rain)
	10/13/11 21:30 EST	0	Source: Fire Department/Rescue

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Thomas Avenue was closed near Lake Drive due to flash flooding.				
LOUDOUN COUNTY --- 1.4 SSW LEESBURG MUNI [39.06, -77.56], 1.5 SSW LEESBURG MUNI [39.06, -77.56], 1.4 S LEESBURG MUNI [39.06, -77.55], 1.3 S LEESBURG MUNI [39.06, -77.55]				
	10/13/11 19:55 EST		0	Flash Flood (due to Heavy Rain)
	10/13/11 21:30 EST		0	Source: Emergency Manager

Shreve Mill Road was closed between Sycolin Road and the Dulles Greenway due to flash flooding.

FAIRFAX COUNTY --- 1.5 SSW CHANTILLY [38.88, -77.44], 1.4 SSW CHANTILLY [38.88, -77.44], 1.3 SSW CHANTILLY [38.88, -77.44], 1.3 SSW CHANTILLY [38.88, -77.44]				
	10/13/11 20:00 EST		0	Flash Flood (due to Heavy Rain)
	10/13/11 21:30 EST		0	Source: State Official

Walney Road was closed just south of Mariah Court due to flash flooding on Flat Lick Stream. An observer near the event recorded 2.26 inches of rain.

FAIRFAX COUNTY --- 1.4 W CLARKS CROSSING [38.92, -77.33], 1.3 W CLARKS CROSSING [38.92, -77.32], 1.4 W CLARKS CROSSING [38.92, -77.33], 1.6 W CLARKS CROSSING [38.92, -77.33]				
	10/13/11 20:30 EST		0	Flash Flood (due to Heavy Rain)
	10/13/11 21:30 EST		0	Source: Emergency Manager

Stewart Mill Road was closed near Birdfoot Lane due to flash flooding on Little Difficult Run. A nearby spotter observed 1.60 inches of rain.

FAIRFAX COUNTY --- 1.1 NW RESTON [38.98, -77.31], 1.0 NNW RESTON [38.98, -77.31], 0.9 NW RESTON [38.98, -77.31], 1.1 NW RESTON [38.98, -77.32]				
	10/13/11 21:30 EST		0	Flood (due to Heavy Rain)
	10/13/11 23:45 EST		0	Source: Fire Department/Rescue

A one-lane bridge on Springvale Road near Crippen Court was closed due to 2 feet of standing water on the roadway. A nearby observer tallied 1.10 inches of rain.

A slow-moving warm front lifted northward through northern Virginia during the afternoon and evening. Over 24 hours of intermittent rain had created saturated grounds across the area and even a report of morning flooding. Thus, when thunderstorms fired later in the day as instability and wind fields strengthened, high rainfall rates associated with them lead to flash flooding in several locations in the western suburbs of Washington DC, and flooding continued for a while after rains ended. The highest rainfall amount received was 4.11 inches in Fairfax County.

ORANGE COUNTY --- 0.6 NE NASONS [38.28, -78.02], 1.9 NNE NASONS [38.29, -78.01]				
	10/13/11 15:05 EST		5K	Tornado (EF0, L: 1.35 mi , W: 50 yd)
	10/13/11 15:06 EST		0	Source: NWS Storm Survey

A discontinuous path of tree damage was seen from a creek near Clifton Road to Clarks Mountain Road.

FAUQUIER COUNTY --- 2.1 S MIDLAND WARRENTON AR [38.55, -77.72], 0.5 W CALVERTON [38.63, -77.68]				
	10/13/11 15:58 EST		30K	Tornado (EF0, L: 6.02 mi , W: 75 yd)
	10/13/11 16:11 EST		0	Source: NWS Storm Survey

A resident reported damage to trees and a boat on his property along Rogues Road. Spotty tree damage was found along Ebenezer Church Road mainly in the form of snapped large limbs.

Damage also occurred to a farm located off Midland Road near Old Windwright Lane. A metal roof covering on the rear of the farmhouse was peeled off and was later found in a field about 200 yards northwest of the house.

A porch was blown off a residence at the end of Longstalk Lane. Numerous hardwood and softwood trees were snapped or uprooted near the residence. Tree limbs were damaged near Eustace Road and south of Catlett road.

STAFFORD COUNTY --- 0.8 SW MIDWAY IS [38.49, -77.38], 0.6 E MAUNTS [38.52, -77.37]				
	10/13/11 16:22 EST		20K	Tornado (EF0, L: 2.00 mi , W: 75 yd)
	10/13/11 16:27 EST		0	Source: NWS Storm Survey

About a dozen trees were sporadically uprooted and snapped. Homes in the community off Merryview Drive had minor roofing and siding damage. A chained link fence was also downed and a billboard was pushed nearly over.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PRINCE WILLIAM COUNTY --- 2.6 W BROWN FIELD [38.52, -77.37], 2.3 SW TRIANGLE [38.53, -77.36]				
	10/13/11 16:27 EST		5K	Tornado (EF0, L: 0.71 mi , W: 75 yd)
	10/13/11 16:29 EST		0	Source: NWS Storm Survey
Trees were sporadically uprooted and snapped.				
PRINCE WILLIAM COUNTY --- 1.9 SW TRIANGLE [38.53, -77.36], 0.9 WNW TRIANGLE [38.55, -77.35]				
	10/13/11 16:29 EST		5K	Tornado (EF0, L: 1.57 mi , W: 75 yd)
	10/13/11 16:32 EST		0	Source: NWS Storm Survey
Trees were sporadically uprooted and snapped from the Stafford-Prince William County line to Triangle. Videos were taken as the tornado passed over traffic on Interstate 95.				
FAIRFAX COUNTY --- 1.7 N CLIFTON [38.80, -77.38], 1.1 ESE LEGATO [38.84, -77.35]				
	10/13/11 16:40 EST		10K	Tornado (EF0, L: 2.90 mi , W: 50 yd)
	10/13/11 16:46 EST		0	Source: NWS Storm Survey
Trees were sporadically uprooted and snapped for about a three mile path starting near Clifton to just west of the Fairfax City.				
FAIRFAX COUNTY --- 1.2 S CLARKS CROSSING [38.90, -77.30]				
	10/13/11 17:00 EST		4K	Thunderstorm Wind (EG 56 kt)
	10/13/11 17:00 EST		0	Source: NWS Employee
At least four large trees were down and partially blocking the roadway between Hunter Mill Road and just north of the intersection of Hunter Mill Road and Vale Road.				
FAIRFAX COUNTY --- 0.8 SW CLARKS CROSSING [38.91, -77.31]				
	10/13/11 17:02 EST		5K	Thunderstorm Wind (EG 56 kt)
	10/13/11 17:02 EST		0	Source: Newspaper
Trees were damaged along Wickens Road.				
<p>A warm front passed through central and northern Virginia during the afternoon and evening hours of the 13th. A potent upper-level trough approached the area during the same time causing strong winds aloft. Thunderstorms that developed behind the front were able to produce damaging wind gusts due to the strong winds aloft. Winds rapidly changed in both direction and speed with height causing some of the stronger thunderstorms to produce tornadoes near the warm front.</p>				
LOUDOUN COUNTY --- 1.2 SSE ALDIE [38.96, -77.62], 1.2 SSE ALDIE [38.95, -77.62], 0.9 SSE ALDIE [38.96, -77.62], 1.0 SSE ALDIE [38.96, -77.62]				
	10/19/11 20:30 EST		0	Flood (due to Heavy Rain)
	10/19/11 23:30 EST		0	Source: Emergency Manager
One lane blocked of Route 15 near Braddock Road due to high water.				
LOUDOUN COUNTY --- 1.6 S LEESBURG MUNI [39.06, -77.55], 1.4 SSW LEESBURG MUNI [39.06, -77.56], 1.3 S LEESBURG MUNI [39.06, -77.55], 1.5 S LEESBURG MUNI [39.06, -77.55]				
	10/19/11 20:30 EST		0	Flood (due to Heavy Rain)
	10/19/11 23:30 EST		0	Source: Emergency Manager
Sycolyn Road was closed near the Dulles Greenway due to flooding.				
<p>Showers and thunderstorms overspread northern Virginia during the afternoon and evening in advance of a deep upper-level trough over the Ohio Valley. Moderate to heavy rainfall amounts over saturated ground in Loudoun County flooded a couple of roadways. The highest measured amount of rain was 1.36 inches from near Leesburg.</p>				
(VA-Z050) ORANGE, (VA-Z056) SPOTSYLVANIA				
	10/24/11 19:55 EST		0	Dense Fog
	10/25/11 01:15 EST		0	
High pressure provided radiational cooling during the evening 24th into the early morning hours of the 25th. There was enough low-level moisture for areas of dense fog to develop during this time before drier air moved in.				
(VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z039) MADISON, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND				

Storm Data and Unusual Weather Phenomena - October 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/28/11 16:00 EST		0	Winter Storm
	10/29/11 16:00 EST		0	

High pressure over New England pumped in an abundant amount of cold air while low pressure developed along the Mid-Atlantic Coast. Precipitation well ahead of the low overspread northern and central Virginia during the evening hours of the 28th. Precipitation continued into the 29th before ending during the late morning and afternoon hours. There was enough cold air for precipitation to fall in the form of snow especially across the Blue Ridge Mountains and Shenandoah Valley.

The combination of heavy wet snow on trees that still had leaves caused numerous power outages mainly across extreme northern Virginia into the Shenandoah Valley and Potomac Highlands.

(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-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-Z502) SOUTHERN FAUQUIER

10/30/11 05:00 EST	0	Frost/Freeze
10/30/11 08:00 EST	0	

Canadian high pressure provided chilly conditions during the morning hours of the 30th. Minimum temperatures during the early morning hours range from the mid 20s to lower 30s.

WEST VIRGINIA, East

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL

10/06/11 23:55 EST	0	Dense Fog
10/07/11 09:15 EST	0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of eastern West Virginia.

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

10/07/11 22:15 EST	0	Dense Fog
10/08/11 08:35 EST	0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of eastern West Virginia.

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

10/09/11 00:55 EST	0	Dense Fog
10/09/11 08:15 EST	0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of eastern West Virginia.

(WV-Z050) HAMPSHIRE, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL

10/10/11 00:35 EST	0	Dense Fog
10/10/11 09:47 EST	0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of eastern West Virginia.

(WV-Z050) HAMPSHIRE, (WV-Z052) BERKELEY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL

10/10/11 02:28 EST	0	Dense Fog
10/11/11 08:51 EST	0	

Mainly clear skies along with light winds provided a good setup for radiational cooling. There was enough low-level moisture for areas of dense fog to develop across portions of eastern West Virginia.

(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/23/11 05:55 EST		0	Frost/Freeze
	10/23/11 07:35 EST		0	

High pressure directly overhead along with mainly clear skies provided a good setup for radiational cooling during the early morning hours of the 23rd. Temperatures were in the lower 30s across portions of eastern West Virginia.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z053) JEFFERSON, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON	10/28/11 17:00 EST		0	Winter Storm
	10/29/11 16:00 EST		0	

High pressure over New England pumped in an abundant amount of cold air while low pressure developed along the Mid-Atlantic Coast. Precipitation well ahead of the low overspread eastern West Virginia during the evening hours of the 28th. Precipitation continued into the 29th before ending during the afternoon hours. There was enough cold air for precipitation to fall in the form of snow especially across the Potomac Highlands.

The combination of heavy wet snow on trees that still had leaves caused numerous power outages.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL	10/29/11 23:00 EST		0	Frost/Freeze
	10/30/11 08:00 EST		0	

Canadian high pressure provided chilly conditions during the morning hours of the 30th. Minimum temperatures during the early morning hours range from the mid 20s to lower 30s.