

Storm Data and Unusual Weather Phenomena - December 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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DISTRICT OF COLUMBIA

DISTRICT OF COLUMBIA COUNTY --- 1.4 N BENNING [38.90, -76.95], 1.1 N BENNING [38.90, -76.95], 1.0 N BENNING [38.89, -76.95], 1.0 NNW BENNING [38.89, -76.95]

12/01/10 09:54 EST	0	Flash Flood (due to Heavy Rain)
12/01/10 10:54 EST	0	Source: Department of Highways

Northbound Interstate 295 was closed at Benning Road due to high water.

A cold front moved across the Appalachian Mountains early on the morning of December 1 into an unseasonably warm and moisture atmosphere in the Mid-Atlantic. Widespread rain and thunderstorms developed, some of which produced heavy rain in the District of Columbia. There was an isolated flash flood report on Interstate 295.

(DC-Z001) DISTRICT OF COLUMBIA

12/16/10 10:00 EST	0	Winter Weather
12/16/10 18:00 EST	0	

Low pressure passed through the region in a zonal flow causing precipitation to develop on the 16th. There was plenty of cold air in place ahead of this system causing precipitation to fall in the form of snow.

MARYLAND, Central

ALLEGANY COUNTY --- 0.5 E CUMBERLAND [39.65, -78.76], 0.8 NE CUMBERLAND [39.66, -78.76], 0.5 NNE CUMBERLAND [39.66, -78.77], 0.1 ENE CUMBERLAND [39.65, -78.77]

12/01/10 05:00 EST	0	Flash Flood (due to Heavy Rain)
12/01/10 09:00 EST	0	Source: State Official

Several basements were flooded in Cumberland. A rain gauge nearby recorded 2.39 inches.

A cold front moved across the Appalachian Mountains early on the morning of December 1 into an unseasonably warm and moisture atmosphere in the Mid-Atlantic. Widespread rain and thunderstorms developed, some of which produced heavy rain and flash flooding in Allegany County. Rainfall amounts of over 2 inches were common, including an amount of 2.76 in Cumberland.

FREDERICK COUNTY --- 0.5 S HARMONY [39.49, -77.53]

12/01/10 07:42 EST	1K	Thunderstorm Wind (EG 50 kt)
12/01/10 07:42 EST	0	Source: Emergency Manager

A tree was down at Harmony Road and Brethren Church Road.

FREDERICK COUNTY --- 0.2 SSE HARMONY [39.50, -77.53]

12/01/10 07:43 EST	1K	Thunderstorm Wind (EG 52 kt)
12/01/10 07:43 EST	0	Source: Emergency Manager

A tree was down at Harmony Road and Coxey Broan Road.

FREDERICK COUNTY --- 0.7 SW ST ANTHONY [39.67, -77.36]

12/01/10 07:53 EST	1K	Thunderstorm Wind (EG 50 kt)
12/01/10 07:53 EST	0	Source: Emergency Manager

A tree was down at Kelbaugh Road and Saint Anthony Road.

FREDERICK COUNTY --- 0.9 ENE HANSONVILLE [39.51, -77.40]

12/01/10 07:55 EST	3K	Thunderstorm Wind (EG 56 kt)
12/01/10 07:55 EST	0	Source: Emergency Manager

Trees and power lines were down along Hansonville Road just off Route 15.

FREDERICK COUNTY --- 2.5 NW NEW MARKET [39.41, -77.30]

Storm Data and Unusual Weather Phenomena - December 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/01/10 08:03 EST		1K	Thunderstorm Wind (EG 52 kt)
	12/01/10 08:03 EST		0	Source: Emergency Manager

A tree was down at Yeagertown Road and Boyers Mill Road.

CHARLES COUNTY --- 1.9 SSW BERRY [38.63, -76.97], 0.5 NE BERRY [38.66, -76.94]

	12/01/10 09:27 EST		10K	Tornado (EF0, L: 2.31 mi , W: 50 yd)
	12/01/10 09:29 EST		0	Source: NWS Storm Survey

Roof fascia was pulled off of a house near Waldorf. A tree branch eight inches in diameter was snapped off. A basketball goal on a stand was knocked over and there was also siding strips ripped off of a house.

BALTIMORE COUNTY --- 1.7 ENE PIKESVILLE [39.38, -76.69]

	12/01/10 09:35 EST		1K	Thunderstorm Wind (EG 50 kt)
	12/01/10 09:35 EST		0	Source: Emergency Manager

A tree fell onto wires near Greenspring Avenue.

BALTIMORE CITY (C) COUNTY --- 0.9 SW LOUDON PARK [39.27, -76.69]

	12/01/10 09:40 EST		3K	Thunderstorm Wind (EG 50 kt)
	12/01/10 09:40 EST		0	Source: Emergency Manager

Trees were down near Dorchester Road and Wilkens Avenue.

A strong cold front passed through the region early on the first of December. Southerly winds ahead of the front were able to pump in plenty of warm and moist air for this time of year. Strong forcing from the front combined with limited instability to trigger showers and thunderstorms. Strong winds aloft were able to mix down to the surface in some of the stronger thunderstorms.

(MD-Z501) EXTREME WESTERN ALLEGANY

	12/05/10 00:00 EST		0	Winter Weather
	12/08/10 08:00 EST		0	

A trough of low pressure remained over the region from the fifth of December through the 8th. A northwest flow around the trough continued to pump in plenty of cold air. The cold air picked up moisture from the Great Lakes and deposited it in the form of snow for locations along and west of the Allegheny Front.

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

	12/12/10 00:00 EST		0	Winter Weather
	12/12/10 09:00 EST		0	

Low pressure cut up through the great lakes during the early morning hours of the 12th. Warm and moist air overrode the surface cold air in place causing precipitation to occur. There was enough cold air at the surface for pockets of freezing rain across portions of western Maryland.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (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

	12/16/10 10:00 EST		0	Winter Weather
	12/16/10 18:00 EST		0	

Low pressure passed through the region in a zonal flow causing precipitation to develop on the 16th. There was plenty of cold air in place ahead of this system causing precipitation to fall in the form of snow.

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

	12/25/10 17:00 EST		0	Winter Weather
	12/27/10 01:00 EST		0	

A wave of low pressure brought a period of snow to lower southern Maryland during the afternoon of the 25th into the early morning hours of the 26th.

Low pressure rapidly intensified as it moved up the Mid-Atlantic later coast on the 26th. Another band of snow that was associated with this system affected lower southern Maryland into the early morning hours of the 27th.

Storm Data and Unusual Weather Phenomena - December 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	12/30/10 09:00 EST		0	Winter Weather
	12/30/10 12:00 EST		0	

Low pressure was centered over the Plains while surface high was located along the Mid-Atlantic Coast. A southerly flow between these two systems caused enough overrunning for a brief period of freezing rain across western Maryland.

VIRGINIA, North

(VA-Z025) AUGUSTA, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE				
	12/01/10 00:00 EST		1K	High Wind (MAX 54 kt)
	12/01/10 05:00 EST		0	

A cold front passed through central Virginia during the early morning hours of the 1st. Surface high pressure was located just off the Mid-Atlantic Coast during this time. A strong pressure gradient between these two systems brought high winds to the area.

NELSON COUNTY --- 2.8 NNE LOVINGSTON [37.81, -78.86]				
	12/01/10 03:25 EST		5K	Thunderstorm Wind (EG 56 kt)
	12/01/10 03:25 EST		0	Source: Fire Department/Rescue

Numerous trees were down along Route 29.

ALBEMARLE COUNTY --- 1.5 SSW WOODRIDGE [37.88, -78.46]				
	12/01/10 03:50 EST		1K	Thunderstorm Wind (EG 50 kt)
	12/01/10 03:50 EST		0	Source: Fire Department/Rescue

A tree was down on the 5800 Block of Jefferson Mill Road.

ALBEMARLE COUNTY --- 2.9 SSW BOYD TAVERN [37.94, -78.37]				
	12/01/10 03:55 EST		2K	Thunderstorm Wind (EG 56 kt)
	12/01/10 03:55 EST		0	Source: Fire Department/Rescue

Trees were down along the 3600 Block of Thomas Jefferson Parkway.

MADISON COUNTY --- 0.9 SE RADIANT [38.31, -78.21]				
	12/01/10 04:14 EST		2K	Thunderstorm Wind (EG 56 kt)
	12/01/10 04:14 EST		0	Source: Fire Department/Rescue

Trees were down near Orange Road and Beautiful Run Road.

MADISON COUNTY --- 1.3 SSE BRIGHTWOOD [38.40, -78.19]				
	12/01/10 04:24 EST		2K	Thunderstorm Wind (EG 56 kt)
	12/01/10 04:24 EST		0	Source: Fire Department/Rescue

Trees were down near Spring Branch Road.

CULPEPER COUNTY --- 1.9 WNW CULPEPER [38.49, -78.03]				
	12/01/10 04:41 EST		1K	Thunderstorm Wind (EG 50 kt)
	12/01/10 04:41 EST		0	Source: Fire Department/Rescue

A tree was down at Gibson Mill Road and Sperryville Pike.

PRINCE WILLIAM COUNTY --- 2.1 ESE CATHARPIN [38.83, -77.54]				
	12/01/10 05:45 EST		1K	Thunderstorm Wind (EG 52 kt)
	12/01/10 05:45 EST		0	Source: Emergency Manager

A tree was down near Poplar Ford Road and Sudley Road.

A strong cold front passed through the region early on the first of December. Southerly winds ahead of the front were able to pump in plenty of warm and moist air for this time of year. Strong forcing from the front combined with limited instability to trigger showers and thunderstorms. Strong winds aloft were able to mix down to the surface in some of the stronger thunderstorms.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
AUGUSTA COUNTY --- 0.5 W DEERFIELD [38.20, -79.41], 2.2 NE DEERFIELD [38.22, -79.37], 2.6 ENE DEERFIELD [38.22, -79.36], 0.5 SSE DEERFIELD [38.19, -79.39]				
	12/01/10 03:30 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 07:00 EST		0	Source: State Official
Water from Hamilton Branch was flowing over Deerfield Valley Road.				
AUGUSTA COUNTY --- 0.9 SW CRAIGSVILLE [38.07, -79.39], 0.2 E CRAIGSVILLE [38.08, -79.38], 0.2 NE CRAIGSVILLE [38.08, -79.38], 0.8 SW CRAIGSVILLE [38.07, -79.39]				
	12/01/10 03:30 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 07:00 EST		0	Source: State Official
Water from a creek was flowing over Railroad Avenue.				
ALBEMARLE COUNTY --- 2.3 ESE FARMINGTON [38.04, -78.51], 1.8 ESE FARMINGTON [38.04, -78.52], 1.9 E FARMINGTON [38.05, -78.52], 2.2 ESE FARMINGTON [38.04, -78.51]				
	12/01/10 04:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 08:00 EST		0	Source: State Official
The intersection of Ivy Road and Old Ivy Road was closed due to high water. A spotter nearby observed 2.30 inches of rain before the event.				
NELSON COUNTY --- 0.5 E AFTON [38.03, -78.84], 0.4 ENE AFTON [38.03, -78.84], 0.4 E AFTON [38.03, -78.84], 0.5 E AFTON [38.03, -78.84]				
	12/01/10 04:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 08:00 EST		0	Source: State Official
A mudslide forced the closure of Route 6. A rainfall report from nearby was received of 1.82 inches.				
CULPEPER COUNTY --- 2.1 SW WHITE SHOP [38.41, -78.10], 2.5 SW WHITE SHOP [38.40, -78.10], 2.5 SW WHITE SHOP [38.41, -78.11], 2.3 SW WHITE SHOP [38.41, -78.10]				
	12/01/10 06:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Routes 657 and 618 were closed due to flash flooding along Crooked Run at the Madison/Culpeper County line. A nearby rain gauge measured 1.41 inches.				
MADISON COUNTY --- 0.1 NE PEOLA MILLS [38.53, -78.27], 0.4 ESE PEOLA MILLS [38.53, -78.26], 0.2 SSE PEOLA MILLS [38.53, -78.27], 0.1 WNW PEOLA MILLS [38.53, -78.27]				
	12/01/10 06:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 644 was closed due to flash flooding on Popham Run.				
MADISON COUNTY --- 0.9 NW OAKPARK [38.38, -78.18], 1.3 NNW OAKPARK [38.39, -78.18], 1.4 NW OAKPARK [38.38, -78.19], 1.0 NW OAKPARK [38.38, -78.18]				
	12/01/10 06:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 607 was closed due to flash flooding on the Robinson River.				
MADISON COUNTY --- 1.5 NNE SYRIA [38.50, -78.32], 1.1 NNE SYRIA [38.50, -78.32], 1.3 N SYRIA [38.50, -78.33], 1.5 NNE SYRIA [38.50, -78.32]				
	12/01/10 06:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 600 was closed at Route 643 due to flash flooding on the Robinson River.				
MADISON COUNTY --- 1.6 E PEOLA MILLS [38.53, -78.24], 1.9 E PEOLA MILLS [38.53, -78.24], 1.8 ENE PEOLA MILLS [38.54, -78.24], 1.6 E PEOLA MILLS [38.53, -78.24]				
	12/01/10 06:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 603 was closed at Route 602 due to flash flooding on the Hughes River.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CULPEPER COUNTY --- MONUMENT MILLS [38.60, -78.00], 0.3 N MONUMENT MILLS [38.60, -78.00], 0.5 NW MONUMENT MILLS [38.60, -78.01], 0.3 WSW MONUMENT MILLS [38.60, -78.01]				
	12/01/10 06:30 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:30 EST		0	Source: Department of Highways
Route 628 was closed at Route 640 due to flash flooding along the Thornton River. A rain gauge in the area measured 1.41 inches.				
RAPPAHANNOCK COUNTY --- 1.4 N FLINT HILL [38.79, -78.12], 1.6 N FLINT HILL [38.79, -78.12], 1.8 N FLINT HILL [38.80, -78.11], 1.7 N FLINT HILL [38.79, -78.12]				
	12/01/10 06:30 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 628 at Route 630 closed due to flash flooding along Hittles Mill Stream.				
WARREN COUNTY --- 0.5 W CEDARVILLE [38.98, -78.19], 0.4 W CEDARVILLE [38.98, -78.19], 0.7 WSW CEDARVILLE [38.98, -78.19], 0.9 WSW CEDARVILLE [38.98, -78.20]				
	12/01/10 07:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 609 was closed at Route 637 due to flash flooding along Molly Camel Run.				
WARREN COUNTY --- 0.7 N BROWNTOWN [38.81, -78.23], 1.0 S BOYDS XRDS [38.82, -78.23], 1.1 SSW BOYDS XRDS [38.82, -78.24], 0.9 NNW BROWNTOWN [38.81, -78.23]				
	12/01/10 07:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 631 at Route 649 was closed due to flash flooding along Gooney Run.				
WARREN COUNTY --- 2.3 WNW LINDEN [38.91, -78.11], 2.4 W LINDEN [38.90, -78.11], 2.3 SE HAPPY CREEK [38.91, -78.12], 2.3 ESE HAPPY CREEK [38.91, -78.11]				
	12/01/10 07:00 EST		0	Flash Flood (due to Heavy Rain)
	12/01/10 09:00 EST		0	Source: Department of Highways
Route 603 was closed at Route 643 due to flash flooding along Manassas Run.				
<p>A cold front moved across the Appalachian Mountains early on the morning of December 1 into an unseasonably warm and moisture atmosphere in the Mid-Atlantic. Widespread rain and thunderstorms developed, some of which produced heavy rain and flash flooding across the area. Rainfall amounts ranged from 1 to over 2 inches across most locations, with the highest report received in Rappahannock County of 3.05 inches.</p>				
(VA-Z503) WESTERN HIGHLAND				
	12/05/10 00:00 EST		0	Winter Storm
	12/08/10 08:00 EST		0	
<p>A trough of low pressure remained over the region from the fifth of December through the 8th. A northwest flow around the trough continued to pump in plenty of cold air. The cold air picked up moisture from the Great Lakes and deposited it in the form of snow for locations along and west of the Allegheny Front.</p>				
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z504) EASTERN HIGHLAND				
	12/12/10 00:00 EST		0	Winter Weather
	12/12/10 09:00 EST		0	
<p>Low pressure cut up through the great lakes during the early morning hours of the 12th. Warm and moist air overrode the surface cold air in place causing precipitation to occur. There was enough cold air at the surface for pockets of freezing rain across the Shenandoah Valley into extreme northern Virginia.</p>				
(VA-Z503) WESTERN HIGHLAND				
	12/14/10 03:00 EST		0	Extreme Cold/Wind Chill
	12/14/10 09:00 EST		0	
<p>Low pressure moved through New England on the 14th while Canadian high pressure approached from the Great Lakes. The pressure gradient between these two systems brought windy conditions to the Potomac Highlands of Virginia. The gusty winds combined with</p>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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cold temperatures to produce dangerously low wind chill values during the early morning hours.

(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-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

12/16/10 08:00 EST	0	Winter Weather
12/16/10 18:00 EST	0	

Low pressure passed through the region in a zonal flow causing precipitation to develop on the 16th. There was plenty of cold air in place ahead of this system causing precipitation to fall in the form of snow.

(VA-Z055) STAFFORD, (VA-Z057) KING GEORGE, (VA-Z503) WESTERN HIGHLAND

12/25/10 15:00 EST	0	Winter Weather
12/26/10 23:00 EST	0	

A wave of low pressure passed through central Virginia, bringing a period of snow with it during the afternoon of the 25th into the overnight hours. A stronger area of low pressure moved up the Mid-Atlantic Coast on the 26th. A band of snowfall associated with the low affected portions of central Virginia.

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

12/30/10 09:00 EST	0	Winter Weather
12/30/10 12:00 EST	0	

Low pressure was centered over the Plains while surface high was located along the Mid-Atlantic Coast. A southerly flow between these two systems caused enough overrunning for a brief period of freezing rain across the Potomac Highlands of Virginia.

WEST VIRGINIA, East

MINERAL COUNTY --- 0.7 N LIMESTONE [39.44, -78.97], 0.6 N LIMESTONE [39.44, -78.97], 0.6 N LIMESTONE [39.44, -78.97], 0.7 NNW LIMESTONE [39.44, -78.97]

12/01/10 05:30 EST	0	Flash Flood (due to Heavy Rain)
12/01/10 09:00 EST	0	Source: State Official

High water in association with New Creek was reported on Route 46. Rainfall in the area measured 1.79 inches.

MINERAL COUNTY --- 2.8 S HEADSVILLE [39.36, -78.88], 2.0 S HEADSVILLE [39.37, -78.87], 1.2 S HEADSVILLE [39.38, -78.87], 1.9 NNE BURLINGTON [39.36, -78.91]

12/01/10 06:00 EST	0	Flash Flood (due to Heavy Rain)
12/01/10 09:00 EST	0	Source: State Official

High water was reported on Patterson Creek Road.

BERKELEY COUNTY --- 0.9 SW INWOOD [39.34, -78.06], 0.8 NW BUNKER HILL [39.34, -78.06], 1.0 NW BUNKER HILL [39.34, -78.06], 0.9 SW INWOOD [39.34, -78.06]

12/01/10 06:30 EST	0	Flash Flood (due to Heavy Rain)
12/01/10 09:00 EST	0	Source: Emergency Manager

Henshaw Road was inundated by Mill Creek beneath the Interstate 81 overpass. Rainfall was measured in the area at 2.54 inches.

A cold front moved across the Appalachian Mountains early on the morning of December 1 into an unseasonably warm and moisture atmosphere in the Mid-Atlantic. Widespread rain and thunderstorms developed, some of which produced heavy rain and flash flooding across the area. Rainfall amounts ranged from 1 to over 2 inches across most locations, with the highest report received in Berkeley County of 2.57 inches.

(WV-Z504) EASTERN MINERAL

12/01/10 06:26 EST	2K	High Wind (MAX 54 kt)
12/01/10 06:26 EST	0	

A cold front passed through eastern West Virginia during the early morning hours of the 1st. Surface high pressure was located just off

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the Mid-Atlantic Coast during this time. A strong pressure gradient between these two systems brought high winds to the area.

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

12/05/10 00:00 EST	0	Winter Storm
12/08/10 08:00 EST	0	

(WV-Z503) WESTERN MINERAL

12/05/10 00:00 EST	0	Winter Weather
12/08/10 08:00 EST	0	

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

12/06/10 08:00 EST	0	Blizzard
12/06/10 16:00 EST	0	

A trough of low pressure remained over the region from the fifth of December through the 8th. A northwest flow around the trough continued to pump in plenty of cold air. The cold air picked up moisture from the Great Lakes and deposited it in the form of snow for locations along and west of the Allegheny Front. Gusty winds and low visibility produced blizzard conditions on the 6th of December. The heaviest snow fell during the fifth and sixth of December.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z506) EASTERN PENDLETON

12/12/10 00:00 EST	0	Winter Weather
12/12/10 09:00 EST	0	

Low pressure cut up through the great lakes during the early morning hours of the 12th. Warm and moist air overrode the surface cold air in place causing precipitation to occur. There was enough cold air at the surface for pockets of freezing rain across portions of the Eastern Panhandle and Potomac Highlands.

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

12/14/10 03:00 EST	0	Extreme Cold/Wind Chill
12/14/10 09:00 EST	0	

Low pressure moved through New England on the 14th while Canadian high pressure approached from the Great Lakes. The pressure gradient between these two systems brought windy conditions to the Potomac Highlands of West Virginia. The gusty winds combined with cold temperatures to produce dangerously low wind chill values during the early morning hours.

(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

12/16/10 08:00 EST	0	Winter Weather
12/16/10 18:00 EST	0	

Low pressure passed through the region in a zonal flow causing precipitation to develop on the 16th. There was plenty of cold air in place ahead of this system causing precipitation to fall in the form of snow.

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

12/26/10 08:00 EST	0	Winter Weather
12/27/10 21:00 EST	0	

Low pressure rapidly intensified on the 26th as it moved up the Mid-Atlantic coast. A northwest flow behind this system transported plenty of cold air across the Potomac Highlands of West Virginia. The cold air combined with moisture from the Great Lakes to trigger snow showers for locations along and west of the Allegheny Front.

(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

12/30/10 09:00 EST	0	Winter Weather
12/30/10 12:00 EST	0	

Low pressure was centered over the Plains while surface high was located along the Mid-Atlantic Coast. A southerly flow between these two systems caused enough overrunning for a brief period of freezing rain across the Potomac Highlands of West Virginia.