

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW PATAPSCO BUOY [39.15, -76.39]				
	01/06/14 05:50 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/06/14 05:50 EST		0	Source: Buoy
Wind gusts of 31 knots were measured at CBIBS Patapsco Buoy.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]				
	01/06/14 05:54 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	01/06/14 06:00 EST		0	Source: Mesonet
Wind gusts of 38 knots were measured at Tochester.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]				
	01/06/14 05:55 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/06/14 05:55 EST		0	Source: Mesonet
Wind gusts of 32 knots were measured at Thomas Point.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.5 E PATUXENT RIVER ASOS [38.29, -76.40]				
	01/06/14 07:11 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	01/06/14 07:11 EST		0	Source: Mesonet
Wind gusts of 38 knots were measured at Patuxent River.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]				
	01/06/14 07:24 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/06/14 07:30 EST		0	Source: Mesonet
Wind gusts of 32 knots were measured at Lewisetta.				
A cold front moved through the Mid Atlantic in the morning. Showers brought down strong winds across the waters.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	01/11/14 04:05 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	01/11/14 04:50 EST		0	Source: Mesonet
Wind gusts of 36 knots were measured at Racoon Point.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 16.5 WNW SMITH ISLAND [38.03, -76.34]				
	01/11/14 04:40 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	01/11/14 05:00 EST		0	Source: Buoy
Wind gusts of 41 knots were measured at CBIBS Potomac Point Lookout Buoy.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.1 WNW POINT LOOKOUT [38.04, -76.32]				
	01/11/14 04:40 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/11/14 04:55 EST		0	Source: Mesonet
Wind gusts of 33 knots were measured at Point Lookout.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 E BISHOPS HEAD [38.22, -76.04]				
	01/11/14 05:04 EST		0	Marine Thunderstorm Wind (MG 46 kt)
	01/11/14 05:45 EST		0	Source: Mesonet
Wind gusts of 46 knots were measured at Bishops Head.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.4 SE TOLLY POINT [38.94, -76.44]				

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/11/14 12:31 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/11/14 12:31 EST		0	Source: Mesonet

Wind gusts of 32 knots were measured at Tolly Point.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 NNE MONROE CREEK [38.23, -76.95]

	01/11/14 14:20 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	01/11/14 14:20 EST		0	Source: Mesonet

Wind gusts of 41 knots were measured at Monroe Creek.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT LIGHT [38.90, -76.44]

	01/11/14 14:50 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/11/14 14:50 EST		0	Source: Mesonet

Wind gusts of 34 knots were measured at Thomas Point.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.3 ENE BABAR POINT [38.31, -77.03]

	01/11/14 15:05 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/11/14 15:05 EST		0	Source: Mesonet

Wind gusts of 32 knots were measured at Baber Point.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.5 E PATUXENT RIVER ASOS [38.29, -76.40]

	01/11/14 15:06 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	01/11/14 15:06 EST		0	Source: AWOS

Wind gusts of 35 knots were measured at Patuxent River.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 6.0 E PINEY POINT [38.13, -76.42]

	01/11/14 15:09 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/11/14 15:09 EST		0	Source: AWOS

Wind gusts of 32 knots were measured at St Inigoes.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]

	01/11/14 15:12 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	01/11/14 15:12 EST		0	Source: Mesonet

Wind gusts of 40 knots were measured at Lewisetta.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 10.9 E CHESAPEAKE BEACH [38.71, -76.34]

	01/11/14 15:24 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	01/11/14 16:04 EST		0	Source: Mesonet

Wind gusts of 45 knots were measured at Tilghman Elementary School.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ENE BISHOPS HEAD [38.22, -76.04]

	01/11/14 15:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	01/11/14 15:42 EST		0	Source: Mesonet

Wind gusts of 31 knots were measured at Bishop Head.

A cold front moved through the Mid Atlantic and surface heating ahead of the front led to an unstable air mass in Southern Maryland. A line of showers with embedded thunderstorms led to gusty winds.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/02/14 16:00 EST		0	Winter Weather
	01/03/14 00:00 EST		0	

Low pressure tracked across the Mid Atlantic and led to accumulating snow with the highest amounts from Northern Virginia to East-Central Maryland. Low pressure quickly moved off the coast.

(DC-Z001) DISTRICT OF COLUMBIA

	01/05/14 06:00 EST		0	Winter Weather
	01/05/14 12:00 EST		0	

Low pressure tracked up the Appalachian mountains and southerly flow ahead of the system led to warm air overrunning cold air at the surface. This led to freezing rain and ice accumulation across the Mid Atlantic.

(DC-Z001) DISTRICT OF COLUMBIA

	01/10/14 05:00 EST		0	Winter Weather
	01/10/14 11:00 EST		0	

A weak disturbance crossed the Mid Atlantic while a wedge of high pressure was at the surface. Precipitation that fell melted aloft and froze on contact.

(DC-Z001) DISTRICT OF COLUMBIA

	01/14/14 23:00 EST		0	Dense Fog
	01/15/14 09:00 EST		0	

Ridging across the area led to clear and calm conditions and radiational cooling led to temperatures to drop to saturation quickly. Dense fog formed quickly for areas east of the Blue Ridge.

(DC-Z001) DISTRICT OF COLUMBIA

	01/21/14 09:00 EST		0	Winter Storm
	01/22/14 23:00 EST		0	

A shortwave trough moved into the region while low pressure developed south of the Mid Atlantic. Upper level dynamics led to moderate to heavy snow to move into the region.

MARYLAND, Central

(MD-Z003) WASHINGTON, (MD-Z013) PRINCE GEORGES, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	01/02/14 12:00 EST		0	Winter Weather
	01/03/14 00:00 EST		0	

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL

	01/02/14 14:00 EST		0	Winter Storm
	01/03/14 00:00 EST		0	

Low pressure tracked across the Mid Atlantic and led to accumulating snow with the highest amounts from Northern Virginia to East-Central Maryland. Low pressure quickly moved off the coast.

(MD-Z501) EXTREME WESTERN ALLEGANY

	01/03/14 04:00 EST		0	Extreme Cold/Wind Chill
	01/03/14 04:00 EST		0	

A tight pressure gradient between low pressure and high pressure moving into the region led to gusty winds along the Allegheny Front with wind chill values -20 and below.

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

	01/05/14 06:00 EST		0	Winter Weather
	01/06/14 00:00 EST		0	

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Low pressure tracked up the Appalachian mountains and southerly flow ahead of the system led to warm air overrunning cold air at the surface. This led to freezing rain and ice accumulation across the Mid Atlantic.

(MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE

01/05/14 20:15 EST	0	Dense Fog
01/06/14 12:25 EST	0	

Warm and moist air moved over the snow pack ahead of a strong cold front that was approaching from the Ohio Valley. Dense fog formed across Northern Maryland and along Interstate 95 into the morning hours.

(MD-Z003) WASHINGTON, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

01/06/14 17:00 EST	0	Extreme Cold/Wind Chill
01/07/14 06:00 EST	0	

An arctic front moved through the Mid Atlantic and cold air moved into the region. Gusty winds and cold temperatures led to wind chill values below -20. High pressure settled across the area and led to cold conditions to continue for a few days.

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

01/07/14 06:00 EST	0	Extreme Cold/Wind Chill
01/07/14 06:00 EST	0	

A pressure gradient ahead of high pressure moving into the region led to gusty winds and cold conditions across the Mid Atlantic. Wind chill values of -20 and below occurred in Northern 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

01/10/14 05:00 EST	0	Winter Weather
01/10/14 11:00 EST	0	

A weak disturbance crossed the Mid Atlantic while a wedge of high pressure was at the surface. Precipitation that fell melted aloft and froze on contact.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z006) NORTHERN BALTIMORE, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

01/10/14 23:45 EST	0	Dense Fog
01/11/14 19:50 EST	0	

Warm air moved over a cold ground and dense fog formed across the region. An area of rain moved into the Central Foothills and led to visibility improvements for a brief period before decreasing again.

ST. MARY'S COUNTY --- RIDGE [38.12, -76.37]

01/11/14 15:14 EST	2K	Thunderstorm Wind (EG 50 kt)
01/11/14 15:14 EST	0.50K	Source: 911 Call Center

There were reports of damage to trailers, debris strewn about and power lines down with a transformer out.

A cold front moved through the Mid Atlantic and surface heating ahead of the front led to an unstable air mass in Southern Maryland. A line of showers with embedded thunderstorms led to gusty winds.

(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

01/14/14 01:00 EST	0	Dense Fog
01/15/14 12:45 EST	0	

Ridging across the area led to clear and calm conditions and radiational cooling led to temperatures to drop to saturation quickly. Dense fog formed quickly for areas east of the Blue Ridge.

(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-Z017) ST. MARY'S, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/21/14 05:00 EST		0	Winter Storm
	01/22/14 01:00 EST		0	

(MD-Z016) CHARLES, (MD-Z018) CALVERT

	01/21/14 11:00 EST		0	Winter Weather
	01/22/14 01:00 EST		0	

A shortwave trough moved into the region while low pressure developed south of the Mid Atlantic. Upper level dynamics led to moderate to heavy snow to move into the region.

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

	01/22/14 01:00 EST		0	Extreme Cold/Wind Chill
	01/22/14 01:00 EST		0	

Arctic high pressure moved into the region with a strong pressure gradient between the departing low pressure. Gusty northwest winds and cold temperatures resulted in wind chill values below -20.

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

	01/23/14 17:00 EST		0	Extreme Cold/Wind Chill
	01/23/14 17:00 EST		0	

A cold front moved through the region reinforcing cold air and gusty winds. Wind chill values were -20 and below in the Potomac Highlands.

(MD-Z501) EXTREME WESTERN ALLEGANY

	01/28/14 00:00 EST		0	Extreme Cold/Wind Chill
	01/28/14 00:00 EST		0	

High pressure was moving into the region while a pressure gradient existed due to a departing cold front. Gusty winds and cold conditions led to wind chill values at -20 and below for the Potomac Highlands.

(MD-Z017) ST. MARY'S

	01/28/14 17:00 EST		0	Winter Storm
	01/29/14 06:00 EST		0	

(MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z018) CALVERT

	01/28/14 19:00 EST		0	Winter Weather
	01/30/14 04:00 EST		0	

Low pressure moved along the east coast while a shortwave trough moved into the Mid Atlantic from the west. Accumulating snow moved into the Piedmont and Southern Maryland.

(MD-Z501) EXTREME WESTERN ALLEGANY

	01/29/14 03:00 EST		0	Extreme Cold/Wind Chill
	01/29/14 03:00 EST		0	

A pressure gradient between the high pressure approaching from the west and a cold front to the east led to gusty conditions. Northerly flow led to cold conditions and wind chill values of -20 and below were measured in the Potomac Highlands.

VIRGINIA, North

(VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (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-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND

	01/02/14 10:00 EST		0	Winter Weather
	01/03/14 00:00 EST		0	

(VA-Z042) LOUDOUN

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/02/14 14:00 EST		0	Winter Storm
	01/03/14 00:00 EST		0	

Low pressure tracked across the Mid Atlantic and led to accumulating snow with the highest amounts from Northern Virginia to East-Central Maryland. Low pressure quickly moved off the coast.

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

	01/03/14 04:00 EST		0	Extreme Cold/Wind Chill
	01/03/14 04:00 EST		0	

A tight pressure gradient between low pressure and high pressure moving into the region led to gusty winds along the Allegheny Front with wind chill values -20 and below.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER

	01/05/14 06:00 EST		0	Winter Weather
	01/06/14 00:00 EST		0	

(VA-Z031) CLARKE, (VA-Z042) LOUDOUN

	01/05/14 10:00 EST		0	Winter Storm
	01/06/14 00:00 EST		0	

Low pressure tracked up the Appalachian mountains and southerly flow ahead of the system led to warm air overrunning cold air at the surface. This led to freezing rain and ice accumulation across the Mid Atlantic.

(VA-Z031) CLARKE, (VA-Z042) LOUDOUN

	01/05/14 10:00 EST		0	Ice Storm
	01/06/14 00:00 EST		0	

Low pressure tracked up the Appalachian mountains and southerly flow ahead of the system led to warm air overrunning cold air at the surface. This led to freezing rain and ice accumulation across the Mid Atlantic.

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

	01/06/14 17:00 EST		0	Extreme Cold/Wind Chill
	01/06/14 17:00 EST		0	

An arctic front moved through the Mid Atlantic and cold air moved into the region. Gusty winds and cold temperatures led to wind chill values below -20. High pressure settled across the area and led to cold conditions to continue for a few days.

(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

	01/10/14 04:00 EST		0	Winter Weather
	01/10/14 11:00 EST		0	

A weak disturbance crossed the Mid Atlantic while a wedge of high pressure was at the surface. Precipitation that fell melted aloft and froze on contact.

(VA-Z028) FREDERICK

	01/11/14 00:35 EST		0	Dense Fog
	01/11/14 02:35 EST		0	

Warm air moved over a cold ground and dense fog formed across the region. An area of rain moved into the Central Foothills and led to visibility improvements for a brief period before decreasing again.

(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

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/14/14 00:00 EST		0	Dense Fog
	01/15/14 22:35 EST		0	

Ridging across the area led to clear and calm conditions and radiational cooling led to temperatures to drop to saturation quickly. Dense fog formed quickly for areas east of the Blue Ridge.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z501) NORTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

01/21/14 05:00 EST	0	Winter Storm
01/21/14 23:00 EST	0	

(VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER

01/21/14 07:00 EST	0	Winter Weather
01/21/14 23:00 EST	0	

A shortwave trough moved into the region while low pressure developed south of the Mid Atlantic. Upper level dynamics led to moderate to heavy snow to move into the region.

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

01/22/14 01:00 EST	0	Extreme Cold/Wind Chill
01/22/14 01:00 EST	0	

Arctic high pressure moved into the region with a strong pressure gradient between the departing low pressure. Gusty northwest winds and cold temperatures resulted in wind chill values below -20.

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

01/23/14 17:00 EST	0	Extreme Cold/Wind Chill
01/23/14 17:00 EST	0	

A cold front moved through the region reinforcing cold air and gusty winds. Wind chill values were -20 and below in the Potomac Highlands.

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

01/28/14 00:00 EST	0	Extreme Cold/Wind Chill
01/28/14 00:00 EST	0	

High pressure was moving into the region while a pressure gradient existed due to a departing cold front. Gusty winds and cold conditions led to wind chill values at -20 and below for the Potomac Highlands.

(VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE

01/28/14 19:00 EST	0	Winter Weather
01/29/14 04:00 EST	0	

Low pressure moved along the east coast while a shortwave trough moved into the Mid Atlantic from the west. Accumulating snow moved into the Piedmont and Southern Maryland.

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

01/29/14 03:00 EST	0	Extreme Cold/Wind Chill
01/29/14 03:00 EST	0	

A pressure gradient between the high pressure approaching from the west and a cold front to the east led to gusty conditions. Northerly flow led to cold conditions and wind chill values of -20 and below were measured in the Potomac Highlands.

WEST VIRGINIA, East

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/02/14 10:00 EST		0	Winter Weather
	01/03/14 00:00 EST		0	

Low pressure tracked across the Mid Atlantic and led to accumulating snow with the highest amounts from Northern Virginia to East-Central Maryland. Low pressure quickly moved off the coast.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON	01/03/14 04:00 EST		0	Extreme Cold/Wind Chill
	01/03/14 04:00 EST		0	

A tight pressure gradient between low pressure and high pressure moving into the region led to gusty winds along the Allegheny Front with wind chill values -20 and below.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL	01/05/14 12:00 EST		0	Winter Weather
	01/06/14 21:00 EST		0	

(WV-Z053) JEFFERSON	01/05/14 12:00 EST		0	Ice Storm
	01/06/14 00:00 EST		0	

Low pressure tracked up the Appalachian mountains and southerly flow ahead of the system led to warm air overrunning cold air at the surface. This led to freezing rain and ice accumulation across the Mid Atlantic.

(WV-Z052) BERKELEY	01/05/14 23:19 EST		0	Dense Fog
	01/06/14 01:30 EST		0	

Warm and moist air moved over the snow pack ahead of a strong cold front that was approaching from the Ohio Valley. Dense fog formed across Northern Maryland and along Interstate 95 into the morning hours.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL	01/06/14 17:00 EST		0	Extreme Cold/Wind Chill
	01/07/14 04:00 EST		0	

An arctic front moved through the Mid Atlantic and cold air moved into the region. Gusty winds and cold temperatures led to wind chill values below -20. High pressure settled across the area and led to cold conditions to continue for a few days.

(WV-Z050) HAMPSHIRE, (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	01/10/14 04:00 EST		0	Winter Weather
	01/10/14 09:00 EST		0	

A weak disturbance crossed the Mid Atlantic while a wedge of high pressure was at the surface. Precipitation that fell melted aloft and froze on contact.

(WV-Z051) MORGAN, (WV-Z052) BERKELEY	01/11/14 00:50 EST		0	Dense Fog
	01/11/14 11:30 EST		0	

Warm air moved over a cold ground and dense fog formed across the region. An area of rain moved into the Central Foothills and led to visibility improvements for a brief period before decreasing again.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON	01/18/14 18:00 EST		0	Winter Weather
	01/19/14 06:00 EST		0	

An Alberta clipper moved across the Mid Atlantic and snow showers moved into the western slopes of the Allegheny Front.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT,				
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Storm Data and Unusual Weather Phenomena - January 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON				
	01/21/14 05:00 EST	0		Winter Storm
	01/21/14 19:00 EST	0		

A shortwave trough moved into the region while low pressure developed south of the Mid Atlantic. Upper level dynamics led to moderate to heavy snow to move into the region.

(WV-Z050) HAMPSHIRE, (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				
	01/22/14 01:00 EST	0		Extreme Cold/Wind Chill
	01/22/14 01:00 EST	0		

Arctic high pressure moved into the region with a strong pressure gradient between the departing low pressure. Gusty northwest winds and cold temperatures resulted in wind chill values below -20.

(WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON				
	01/23/14 17:00 EST	0		Extreme Cold/Wind Chill
	01/23/14 17:00 EST	0		

A cold front moved through the region reinforcing cold air and gusty winds. Wind chill values were -20 and below in the Potomac Highlands.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON				
	01/25/14 09:00 EST	0		Winter Storm
	01/26/14 04:00 EST	0		

(WV-Z503) WESTERN MINERAL				
	01/25/14 09:00 EST	0		Winter Weather
	01/26/14 04:00 EST	0		

A cold front crossed the western slopes of the Allegheny Front. Upslope conditions and steep lapse rates led to heavy snow.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON				
	01/28/14 00:00 EST	0		Extreme Cold/Wind Chill
	01/28/14 00:00 EST	0		

High pressure was moving into the region while a pressure gradient existed due to a departing cold front. Gusty winds and cold conditions led to wind chill values at -20 and below for the Potomac Highlands.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON				
	01/29/14 03:00 EST	0		Extreme Cold/Wind Chill
	01/29/14 03:00 EST	0		

A pressure gradient between the high pressure approaching from the west and a cold front to the east led to gusty conditions. Northerly flow led to cold conditions and wind chill values of -20 and below were measured in the Potomac Highlands.