

Storm Data and Unusual Weather Phenomena - February 2013

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

(DC-Z001) DISTRICT OF COLUMBIA

	02/01/13 05:00 EST	0	0	Winter Weather
	02/01/13 09:00 EST	0	0	

A clipper system moved through the Mid Atlantic in the early morning hours and produced advisory level snowfall in the Baltimore and Washington DC metro areas.

(DC-Z001) DISTRICT OF COLUMBIA

	02/22/13 17:00 EST	0	0	Winter Weather
	02/23/13 03:00 EST	0	0	

A stacked low pressure system was over the Northern Plains. High pressure to the north caused below freezing temperatures to advect southward into the Mid Atlantic. Southerly flow aloft and ahead of low pressure led to above freezing temperatures above the below freezing surface. Freezing rain occurred in most areas in the Mid Atlantic.

MARYLAND, Central

(MD-Z004) FREDERICK, (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

	02/01/13 05:00 EST	0	0	Winter Weather
	02/01/13 09:00 EST	0	0	

A clipper system moved through the Mid Atlantic in the early morning hours and produced advisory level snowfall in the Baltimore and Washington DC metro areas.

(MD-Z501) EXTREME WESTERN ALLEGANY

	02/02/13 15:00 EST	0	0	Winter Weather
	02/03/13 08:00 EST	0	0	

A large upper level trough was located across the eastern United States. Northwest flow from a cold air mass caused upslope snow showers to occur across the Allegheny Front.

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

	02/04/13 06:00 EST	0	0	Winter Weather
	02/05/13 06:00 EST	0	0	

A clipper system moved through the region in northwest flow aloft. This clipper system produced short lived snow bands that produced several inches of snow in the higher terrain including the Allegheny Front and Potomac Highlands.

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

	02/08/13 03:00 EST	0	0	Winter Weather
	02/08/13 08:00 EST	0	0	

The Mid Atlantic was located between low pressure to the west and east. This led to northerly flow overnight. Low pressure to the east intensified as it moved northward. Surface temperatures were marginal and the rain-snow line was close to the I-95 corridor.

(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

	02/22/13 11:00 EST	0	0	Winter Weather
	02/23/13 19:00 EST	0	0	

A stacked low pressure system was over the Northern Plains. High pressure to the north caused below freezing temperatures to advect southward into the Mid Atlantic. Southerly flow aloft and ahead of low pressure led to above freezing temperatures above the below freezing surface. Freezing rain occurred in most areas in the Mid Atlantic.

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(MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	02/26/13 11:00 EST		0	Winter Weather
	02/26/13 20:00 EST		0	
<p>A secondary low pressure system formed over the Carolinas as the primary system moved northward and was located across the Central Plains/Ohio Valley. High pressure over New England and northerly winds brought below freezing temperatures across the Potomac Highlands. Over running precipitation was able to melt and re-freeze on contact.</p>				
VIRGINIA, North				
(VA-Z042) LOUDOUN, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER				
	02/01/13 05:00 EST		0	Winter Weather
	02/01/13 09:00 EST		0	
<p>A clipper system moved through the Mid Atlantic in the early morning hours and produced advisory level snowfall in the Baltimore and Washington DC metro areas.</p>				
(VA-Z503) WESTERN HIGHLAND				
	02/02/13 15:00 EST		0	Winter Weather
	02/03/13 08:00 EST		0	
<p>A large upper level trough was located across the eastern United States. Northwest flow from a cold air mass caused upslope snow showers to occur across the Allegheny Front.</p>				
(VA-Z503) WESTERN HIGHLAND				
	02/04/13 16:00 EST		0	Winter Weather
	02/05/13 06:00 EST		0	
<p>A clipper system moved through the region in northwest flow aloft. This clipper system produced short lived snow bands that produced several inches of snow in the higher terrain including the Allegheny Front and Potomac Highlands.</p>				
(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-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER				
	02/08/13 00:00 EST		0	Winter Weather
	02/08/13 08:00 EST		0	
<p>The Mid Atlantic was located between low pressure to the west and east. This led to northerly flow overnight. Low pressure to the east intensified as it moved northward. Surface temperatures were marginal and the rain-snow line was close to the I-95 corridor.</p>				
(VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (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-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z502) SOUTHERN FAUQUIER				
	02/22/13 10:00 EST		0	Winter Weather
	02/23/13 19:00 EST		0	
<p>A stacked low pressure system was over the Northern Plains. High pressure to the north caused below freezing temperatures to advect southward into the Mid Atlantic. Southerly flow aloft and ahead of low pressure led to above freezing temperatures above the below freezing surface. Freezing rain occurred in most areas in the Mid Atlantic.</p>				
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON				
	02/26/13 09:00 EST		0	Winter Weather
	02/26/13 17:00 EST		0	
(VA-Z029) PAGE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND				
	02/26/13 09:00 EST		0	Winter Storm
	02/26/13 19:00 EST		0	

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A secondary low pressure system formed over the Carolinas as the primary system moved northward and was located across the Central Plains/Ohio Valley. High pressure over New England and northerly winds brought below freezing temperatures across the Potomac Highlands. Over running precipitation was able to melt and re-freeze on contact.

WEST VIRGINIA, East

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

02/02/13 15:00 EST	0	Winter Weather
02/03/13 08:00 EST	0	

A large upper level trough was located across the eastern United States. Northwest flow from a cold air mass caused upslope snow showers to occur across the Allegheny Front.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL

02/04/13 16:00 EST	0	Winter Weather
02/05/13 06:00 EST	0	

(WV-Z505) WESTERN PENDLETON

02/04/13 16:00 EST	0	Winter Storm
02/05/13 06:00 EST	0	

A clipper system moved through the region in northwest flow aloft. This clipper system produced short lived snow bands that produced several inches of snow in the higher terrain including the Allegheny Front and Potomac Highlands.

(WV-Z505) WESTERN PENDLETON

02/08/13 14:00 EST	0	Winter Weather
02/09/13 08:00 EST	0	

The Mid Atlantic was located between low pressure to the west and east. This led to northerly flow overnight. Low pressure to the east intensified as it moved northward. Surface temperatures were marginal and the rain-snow line was close to the I-95 corridor.

(WV-Z505) WESTERN PENDLETON

02/13/13 13:00 EST	0	Winter Weather
02/13/13 23:00 EST	0	

A short wave trough moved over the Mid Atlantic as low pressure continued to intensify east of the region. Cold air advection and westerly flow led to enhancements of snowfall in the up slope regions of the Allegheny Front including Pendleton County.

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

02/16/13 23:00 EST	0	Winter Storm
02/17/13 07:00 EST	0	

Strong low pressure off the New England coast caused a cold northwest flow over the mountains of West Virginia. The northwest wind picked up moisture from the Great Lakes, causing snow showers across locations along and west of the Allegheny Front.

(WV-Z505) WESTERN PENDLETON

02/19/13 06:00 EST	0	Winter Weather
02/19/13 11:00 EST	0	

Low pressure was located across the Great Lakes with an associated cold front extending from it. Pre-frontal snow showers occurred in the higher elevations including Pendleton County.

(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

02/22/13 10:00 EST	0	Winter Weather
02/23/13 15:00 EST	0	

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A stacked low pressure system was over the Northern Plains. High pressure to the north caused below freezing temperatures to advect southward into the Mid Atlantic. Southerly flow aloft and ahead of low pressure led to above freezing temperatures above the below freezing surface. Freezing rain occurred in most areas in the Mid Atlantic.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

02/26/13 09:00 EST	0	Winter Storm
02/26/13 19:00 EST	0	

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

02/26/13 10:00 EST	0	Winter Weather
02/26/13 20:00 EST	0	

A secondary low pressure system formed over the Carolinas as the primary system moved northward and was located across the Central Plains/Ohio Valley. High pressure over New England and northerly winds brought below freezing temperatures across the Potomac Highlands. Over running precipitation was able to melt and re-freeze on contact.

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

02/28/13 08:00 EST	0	Winter Weather
02/28/13 23:59 EST	0	

A large area of low pressure was centered off the New England coast. A disturbance with enough moisture produced snow showers with accumulating snow in the higher elevations.