

Storm Data and Unusual Weather Phenomena - December 2013

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

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 18.4 N PATUXENT RIVER ASOS [38.56, -76.41]

	12/06/13 13:00 EST	0	Marine Thunderstorm Wind (MG 39 kt)
	12/06/13 13:00 EST	0	Source: Buoy

Wind gusts of 39 knots were measured at Gooses Reef Buoy.

Low pressure moved along a cold front across the Mid Atlantic bringing unsettled conditions. Most of the region was warm enough for rain but colder air at the surface led to freezing rain and ice accumulation along the western slopes of the Allegheny Front. Showers also led to strong wind gusts on the MD Chesapeake Bay.

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

	12/07/13 03:30 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	12/07/13 03:30 EST	0	Source: ASOS

Wind gusts of 32 knots were measured at Patuxent River.

A cold front moved across the waters overnight and strong winds aloft led to gusty winds on the waters.

CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 0.3 WNW SUSQUEHANNA [39.54, -76.07]

	12/10/13 07:20 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	12/10/13 07:20 EST	0	Source: Buoy

Wind gusts of 31 knots were measured at Susquehanna Buoy.

A fast moving upper level disturbance and jet max moved across the region and mid level convergence led to snow banding across Northern Maryland. Banding led to 1-2 inches an hour in some locations. Further east and across the waters, convective showers led to gusty winds across the Chesapeake Bay.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 12.7 SSW THOMAS POINT LIGHT [38.73, -76.54]

	12/22/13 10:20 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	12/22/13 10:20 EST	0	Source: Mesonet

Wind gusts of 32 knots were reported at Herring Bay.

A cold front crossed the Mid Atlantic and persistent southwest flow led to moist and warm conditions ahead of the front. Showers persisted with isolated thunderstorms across the Chesapeake Bay.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

	12/08/13 06:00 EST	0	Winter Weather
	12/09/13 09:00 EST	0	

High pressure was wedged down the east coast and surface temperatures fell below freezing. Low pressure developed across the gulf coast states and moved across the Ohio Valley. Snow began but changed over to sleet and freezing rain as warmer temperatures aloft overran the cold air at the surface.

(DC-Z001) DISTRICT OF COLUMBIA

	12/10/13 06:00 EST	0	Winter Weather
	12/10/13 11:00 EST	0	

A fast moving upper level disturbance and jet max moved across the region and mid level convergence led to snow banding across Northern Maryland. Banding led to 1-2 inches an hour in some locations.

MARYLAND, Central

Storm Data and Unusual Weather Phenomena - December 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MD-Z005) CARROLL, (MD-Z011) SOUTHERN BALTIMORE				
	12/05/13 01:00 EST		0	Dense Fog
	12/05/13 12:00 EST		0	
A warm front slowly moved northward across Northern Maryland in the early morning hours and patchy fog and drizzle led to dense fog across the region.				
(MD-Z501) EXTREME WESTERN ALLEGANY				
	12/06/13 20:00 EST		0	Winter Weather
	12/07/13 03:00 EST		0	
Low pressure moved along a cold front across the Mid Atlantic bringing unsettled conditions. Most of the region was warm enough for rain but colder air at the surface led to freezing rain and ice accumulation along the western slopes of the Allegheny Front.				
(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-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	12/08/13 06:00 EST		0	Winter Storm
	12/09/13 09:00 EST		0	
(MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT				
	12/08/13 06:00 EST		0	Winter Weather
	12/09/13 09:00 EST		0	
High pressure was wedged down the east coast and surface temperatures fell below freezing. Low pressure developed across the gulf coast states and moved across the Ohio Valley. Snow began but changed over to sleet and freezing rain as warmer temperatures aloft overran the cold air at the surface.				
(MD-Z003) WASHINGTON, (MD-Z005) CARROLL, (MD-Z009) MONTGOMERY				
	12/09/13 15:50 EST		0	Dense Fog
	12/10/13 01:15 EST		0	
Weak high pressure and low level moisture led to dense fog formation in the early evening across a majority of the Mid Atlantic. The fog did not last through the night as light northwest flow moved into the region.				
(MD-Z003) WASHINGTON, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE				
	12/10/13 05:00 EST		0	Winter Weather
	12/10/13 11:00 EST		0	
(MD-Z004) FREDERICK, (MD-Z005) CARROLL				
	12/10/13 05:00 EST		0	Winter Storm
	12/10/13 11:00 EST		0	
A fast moving upper level disturbance and jet max moved across the region and mid level convergence led to snow banding across Northern Maryland. Banding led to 1-2 inches an hour in some locations.				
(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	12/14/13 05:00 EST		0	Winter Weather
	12/14/13 20:00 EST		0	
(MD-Z501) EXTREME WESTERN ALLEGANY				
	12/14/13 05:00 EST		0	Winter Storm
	12/14/13 20:00 EST		0	
Cold air filtered into the Mid Atlantic from the north while low pressure approached from the south. A rain and snow line pushed north and west through the day and snow totals dropped off dramatically across the I-95 corridor.				
(MD-Z007) HARFORD				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/17/13 12:00 EST		0	Winter Weather
	12/17/13 15:00 EST		0	

A cold front moved through the Mid Atlantic while a warm nose entered northeast Maryland. This led to rain to change to freezing rain as temperatures dropped below freezing.

VIRGINIA, North

(VA-Z028) FREDERICK

12/05/13 05:30 EST	0	Dense Fog
12/05/13 08:45 EST	0	

A warm front slowly moved northward across northern Maryland and northern Virginia in the early morning hours and patchy fog and drizzle led to dense fog across the region.

(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-Z055) STAFFORD, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

12/08/13 06:00 EST	0	Winter Storm
12/09/13 11:00 EST	0	

(VA-Z050) ORANGE, (VA-Z054) ARLINGTON, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE

12/08/13 06:00 EST	0	Winter Weather
12/09/13 09:00 EST	0	

High pressure was wedged down the east coast and surface temperatures fell below freezing. Low pressure developed across the gulf coast states and moved across the Ohio Valley. Snow began but changed over to sleet and freezing rain as warmer temperatures aloft overran the cold air at the surface.

(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-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER

12/09/13 17:20 EST	0	Dense Fog
12/10/13 04:00 EST	0	

Weak high pressure and low level moisture led to dense fog formation in the early evening across a majority of the Mid Atlantic. The fog did not last through the night as light northwest flow moved into the region.

(VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER

12/10/13 05:00 EST	0	Winter Weather
12/10/13 11:00 EST	0	

A fast moving upper level disturbance and jet max moved across the region and mid level convergence led to snow banding across Northern Maryland. Banding led to 1-2 inches an hour in some locations.

(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

12/14/13 03:00 EST	0	Winter Weather
12/14/13 18:00 EST	0	

Cold air filtered into the Mid Atlantic from the north while low pressure approached from the south. A rain and snow line pushed north and west through the day and snow totals dropped off dramatically across the I-95 corridor.

(VA-Z502) SOUTHERN FAUQUIER

12/18/13 02:15 EST	0	Dense Fog
12/18/13 04:35 EST	0	

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High pressure was centered across the region and due to previous snow from the day before moisture was lingering at the surface and led to dense fog across the Virginia Piedmont.

WEST VIRGINIA, East

(WV-Z052) BERKELEY

	12/05/13 04:50 EST	0		Dense Fog
	12/05/13 09:50 EST	0		

A warm front slowly moved northward across northern Maryland and West Virginia in the early morning hours and patchy fog and drizzle led to dense fog across the region.

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

	12/06/13 20:00 EST	0		Winter Weather
	12/07/13 03:00 EST	0		

Low pressure moved along a cold front across the Mid Atlantic bringing unsettled conditions. Most of the region was warm enough for rain but colder air at the surface led to freezing rain and ice accumulation along 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, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

	12/08/13 05:00 EST	0		Winter Storm
	12/09/13 09:00 EST	0		

High pressure was wedged down the east coast and surface temperatures fell below freezing. Low pressure developed across the gulf coast states and moved across the Ohio Valley. Snow began but changed over to sleet and freezing rain as warmer temperatures aloft overran the cold air at the surface.

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON

	12/09/13 16:17 EST	0		Dense Fog
	12/09/13 22:35 EST	0		

Weak high pressure and low level moisture led to dense fog formation in the early evening across a majority of the Mid Atlantic. The fog did not last through the night as light northwest flow moved into the region.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z055) HARDY

	12/10/13 03:00 EST	0		Winter Weather
	12/10/13 10:00 EST	0		

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON

	12/10/13 05:00 EST	0		Winter Storm
	12/10/13 10:00 EST	0		

A fast moving upper level disturbance and jet max moved across the region and mid level convergence led to snow banding across Northern Maryland. Banding led to 1-2 inches an hour in some locations.

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

	12/14/13 03:00 EST	0		Winter Weather
	12/14/13 20:00 EST	0		

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL

	12/14/13 05:00 EST	0		Winter Storm
	12/14/13 20:00 EST	0		

Cold air filtered into the Mid Atlantic from the north while low pressure approached from the south. A rain and snow line pushed north and west through the day and snow totals dropped off dramatically across the I-95 corridor.

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GRANT COUNTY --- 0.4 SE MAYSVILLE [39.12, -79.16]	12/22/13 04:20 EST		0	Thunderstorm Wind (EG 50 kt)
	12/22/13 04:20 EST		0.25K	Source: 911 Call Center

There was a tree down in Maysville.

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GRANT COUNTY --- 0.6 SSW PETERSBURG [38.99, -79.12]	12/22/13 04:25 EST		0	Thunderstorm Wind (EG 50 kt)
	12/22/13 04:25 EST		0.25K	Source: 911 Call Center

There was a tree down in Petersburg.

A cold front crossed the Potomac Highlands and persistent southwest flow led to moist and warm conditions ahead of the front. Showers persisted with isolated thunderstorms that led to damaging winds in Grant County.