

## Storm Data and Unusual Weather Phenomena - December 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]</b>				
	12/01/08 14:40 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	12/01/08 14:40 EST	0		Source: Buoy
A wind gust of 34 knots was reported at Cobb Point.				
A strong cold front triggered showers and isolated thunderstorms across the waters on the afternoon of the 1st. Despite limited instability, there were fast winds just a few thousand feet above the surface. This allowed for heavier showers and isolated thunderstorms to produce wind gusts in excess of 30 knots.				
<b>MARYLAND, Central</b>				
<b>(MD-Z501) EXTREME WESTERN ALLEGANY</b>				
	12/06/08 14:00 EST	0		Winter Weather
	12/07/08 12:00 EST	0		
An area of low pressure combined with cold air to trigger snow across portions of western Maryland. The snow started on the afternoon of the 6th and lasted through the morning of the 7th.				
<b>(MD-Z501) EXTREME WESTERN ALLEGANY</b>				
	12/16/08 00:00 EST	0		Winter Storm
	12/17/08 05:00 EST	0		
<b>(MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE</b>				
	12/16/08 18:00 EST	0		Winter Weather
	12/17/08 05:00 EST	0		
A cold front moved through the region early on the 16th. A storm system along the cold front triggered precipitation. As the colder air worked in, rain changed over to ice and wintry precipitation lasted into the early morning hours of the 17th.				
<b>(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z501) EXTREME WESTERN ALLEGANY</b>				
	12/21/08 00:00 EST	0		Winter Weather
	12/21/08 08:00 EST	0		
An area of low pressure tracked through the Mid-Atlantic on the morning of the 21st allowing for precipitation to develop over Maryland. Despite warmer air just a few thousand feet above the surface, temperatures at the surface remained below freezing allowing for freezing rain to occur.				
<b>(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY</b>				
	12/23/08 22:00 EST	0		Winter Weather
	12/24/08 10:00 EST	0		
A warm front tracked through the Mid-Atlantic spreading precipitation over Maryland during the evening of the 23rd into the morning of the 24th. Low-level cold air ahead of the cold front triggered some freezing rain.				
<b>(MD-Z501) EXTREME WESTERN ALLEGANY</b>				
	12/30/08 07:00 EST	0		Winter Weather
	12/31/08 19:00 EST	0		
A cold front triggered upslope snow showers along and west of the Allegheny front over Maryland during the morning of the 30th. The snow showers lasted into the evening of the 31st.				
<b>(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S</b>				
	12/31/08 10:45 EST	0		High Wind (MAX 62 kt)
	12/31/08 14:44 EST	0		

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A strong pressure gradient behind a cold front triggered gusty winds across Maryland on the 31st.

### VIRGINIA, North

#### (VA-Z021) HIGHLAND

12/06/08 14:00 EST	0	Winter Weather
12/07/08 12:00 EST	0	

An area of low pressure combined with cold air to trigger snow near the Allegheny front in Virginia. The snow started on the afternoon of the 6th and lasted through the morning of the 7th.

#### SHENANDOAH COUNTY --- 2.1 NE NEW MARKET [38.67, -78.64], 2.2 E QUICKSBURG [38.68, -78.64], 1.9 E QUICKSBURG [38.68, -78.65], 1.9 NE NEW MARKET [38.67, -78.65]

12/10/08 15:30 EST	0	Flood (due to Heavy Rain)
12/10/08 21:00 EST	0	Source: Department of Highways

Route 737 was closed both eastbound and westbound due to flooding.

An area of low pressure tracked along a stationary front over Virginia on the 10th bringing a soaking rain. An isolated report of flooding did occur from the steady rain.

#### (VA-Z030) WARREN

12/16/08 09:00 EST	0	Winter Weather
12/17/08 05:00 EST	0	

A cold front moved through the region early on the 16th. A storm system along the cold front triggered precipitation. As the colder air worked in, rain changed over to ice and wintry precipitation lasted into the early morning hours of the 17th.

#### (VA-Z028) FREDERICK, (VA-Z053) FAIRFAX, (VA-Z056) SPOTSYLVANIA

12/21/08 00:00 EST	0	Winter Weather
12/21/08 08:00 EST	0	

An area of low pressure tracked through the Mid-Atlantic on the morning of the 21st allowing for precipitation to develop over Virginia. Despite warmer air just a few thousand feet above the surface, temperatures at the surface remained below freezing allowing for freezing rain to occur.

#### (VA-Z042) LOUDOUN

12/23/08 22:00 EST	0	Winter Weather
12/24/08 03:00 EST	0	

A warm front tracked through the Mid-Atlantic spreading precipitation over Virginia during the evening of the 23rd into the morning of the 24th. Low-level cold air ahead of the cold front triggered some freezing rain.

#### (VA-Z021) HIGHLAND

12/30/08 07:00 EST	0	Winter Weather
12/31/08 19:00 EST	0	

A cold front triggered upslope snow showers along and west of the Allegheny front over Virginia during the morning of the 30th. The snow showers lasted into the evening of the 31st.

#### (VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z042) LOUDOUN, (VA-Z053) FAIRFAX

12/31/08 07:14 EST	0	High Wind (MAX 58 kt)
12/31/08 13:23 EST	0	

A strong pressure gradient behind a cold front triggered gusty winds across Virginia on the 31st.

### WEST VIRGINIA, East

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<b>(WV-Z054) PENDLETON, (WV-Z501) WESTERN GRANT</b>				
	12/01/08 10:00 EST		0	Winter Weather
	12/02/08 05:00 EST		0	
<p>A strong cold front triggered upslope snow showers along and west of the Allegheny Front in West Virginia beginning during the late morning of the 1st and lasting into the early morning hours of the 2nd.</p>				
<b>(WV-Z054) PENDLETON, (WV-Z501) WESTERN GRANT</b>				
	12/06/08 14:00 EST		0	Winter Storm
	12/07/08 12:00 EST		0	
<p>An area of low pressure combined with cold air to trigger snow across locations along and west of the Allegheny front in eastern West Virginia. The snow started on the afternoon of the 6th and lasted through the morning of the 7th.</p>				
<b>(WV-Z501) WESTERN GRANT</b>				
	12/12/08 01:00 EST		0	Winter Weather
	12/13/08 03:00 EST		0	
<p>The combination of cold air and moisture from the Great Lakes triggered upslope snow showers along and west of the Allegheny Front in eastern West Virginia. Snow started during the early morning hours of the 12th and lasted into the early morning hours of the 13th.</p>				
<b>(WV-Z501) WESTERN GRANT</b>				
	12/16/08 00:00 EST		0	Winter Storm
	12/17/08 05:00 EST		0	
<b>(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z504) EASTERN MINERAL</b>				
	12/16/08 09:00 EST		0	Winter Weather
	12/17/08 05:00 EST		0	
<p>A cold front moved through the region early on the 16th. A storm system along the cold front triggered precipitation. As the colder air worked in, rain changed over to ice and wintry precipitation lasted into the early morning hours of the 17th.</p>				
<b>(WV-Z502) EASTERN GRANT</b>				
	12/21/08 00:00 EST		0	Winter Weather
	12/21/08 08:00 EST		0	
<p>An area of low pressure tracked through the Mid-Atlantic on the morning of the 21st allowing for precipitation to develop over West Virginia. Despite warmer air just a few thousand feet above the surface, temperatures at the surface remained below freezing allowing for freezing rain to occur.</p>				
<b>(WV-Z051) MORGAN, (WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL</b>				
	12/23/08 22:00 EST		0	Winter Weather
	12/24/08 10:00 EST		0	
<p>A warm front tracked through the Mid-Atlantic spreading precipitation over eastern West Virginia during the evening of the 23rd into the morning of the 24th. Low-level cold air ahead of the cold front triggered some freezing rain.</p>				
<b>(WV-Z502) EASTERN GRANT</b>				
	12/29/08 21:45 EST		0	High Wind (MAX 53 kt)
	12/30/08 03:45 EST		0	
<p>A strong pressure gradient between low pressure over the Great Lakes and high pressure to the south resulted in gusty winds across eastern West Virginia.</p>				
<b>(WV-Z054) PENDLETON</b>				
	12/30/08 07:00 EST		0	Winter Storm
	12/31/08 20:00 EST		0	
<b>(WV-Z501) WESTERN GRANT</b>				
	12/30/08 07:00 EST		0	Winter Weather
	12/31/08 20:00 EST		0	

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A cold front triggered upslope snow showers along and west of the Allegheny front over eastern West Virginia during the morning of the 30th. The snow showers lasted into the evening of the 31st.