

## Storm Data and Unusual Weather Phenomena - February 2009

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

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#### TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 W POTOMAC LIGHT [38.34, -76.99]

	02/11/09 21:50 EST	0	Marine Thunderstorm Wind (MG 34 kt)
	02/11/09 21:50 EST	0	Source: Mesonet

A wind gust of 34 knots was measured at Potomac Light.

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#### TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 1.7 E COLONIAL BEACH [38.23, -76.95]

	02/11/09 22:05 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/09 22:05 EST	0	Source: Mesonet

A wind gust in excess of 30 knots was measured at Monroe Creek.

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#### CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 9.6 NNW RIVIERA BEACH [39.28, -76.60]

	02/11/09 22:14 EST	0	Marine Thunderstorm Wind (MG 34 kt)
	02/11/09 22:14 EST	0	Source: AWSS

A wind gust of 34 knots was measured 2 miles southeast of Baltimore.

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#### CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 2.1 ENE HAVRE DE GRACE [39.57, -76.07]

	02/11/09 23:33 EST	0	Marine Thunderstorm Wind (MG 39 kt)
	02/11/09 23:33 EST	0	Source: Mesonet

A wind gust of 39 knots was measured near Perryville.

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#### CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER NAS [38.29, -76.41]

	02/11/09 23:52 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	02/11/09 23:52 EST	0	Source: ASOS

A wind gust in excess of 30 knots was measured at Patuxent River.

**A potent cold front passed through the Tidal Potomac and Chesapeake Bay during the evening of the 11th. A warm moist flow ahead of the front caused more instability than usual for this time of year. The combination of the cold front and instability caused showers and thunderstorms to develop. Some thunderstorms were severe, producing damaging winds.**

### MARYLAND, Central

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#### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK

	02/02/09 15:00 EST	0	Winter Weather
	02/03/09 00:00 EST	0	

A cold front pushed through Maryland early in the day. Behind this front, an area of snow developed and moved across the area late in the day.

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

	02/03/09 23:00 EST	0	Winter Weather
	02/04/09 07:00 EST	0	

An area of low pressure off the New England coastline allowed a band of snow to push southward into Maryland during the overnight hours.

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#### ALLEGANY COUNTY --- MC COOLE [39.45, -78.97]

	02/11/09 19:54 EST	0	Thunderstorm Wind (EG 50 kt)
	02/11/09 19:54 EST	0	Source: Emergency Manager

Trees were down from thunderstorm winds in McCoolle.

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#### ALLEGANY COUNTY --- 0.5 E CUMBERLAND [39.65, -78.76]

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	02/11/09 20:03 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 20:03 EST		0	Source: Emergency Manager

Trees were down from thunderstorm winds in Cumberland.

### MONTGOMERY COUNTY --- 0.9 SE KEN GAR [39.04, -77.06]

	02/11/09 22:14 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 22:14 EST		0	Source: Emergency Manager

Trees were down from thunderstorm winds in Wheaton.

A potent cold front passed through Maryland on the evening of the 11th. A warm moist flow ahead of the front caused more instability than usual for this time of year. The combination of the cold front and instability caused showers and thunderstorms to develop. Some thunderstorms were severe, producing damaging winds.

(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-Z014) ANNE ARUNDEL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	02/12/09 02:59 EST		0	High Wind (MAX 57 kt)
	02/12/09 13:31 EST		0	

A strong area of low pressure intensified off the New England coast on the 12th. A strong pressure gradient between this low and high pressure over the Ohio Valley resulted in high winds across Maryland on the 12th.

### (MD-Z501) EXTREME WESTERN ALLEGANY

	02/19/09 05:00 EST		0	Winter Weather
	02/20/09 11:00 EST		0	

A northwest flow behind a cold front resulted in upslope snow showers for locations along and west of the Allegheny front across western Maryland.

### (MD-Z501) EXTREME WESTERN ALLEGANY

	02/22/09 02:00 EST		0	Winter Weather
	02/23/09 15:00 EST		0	

Cold moist air behind a cold front triggered upslope snow showers for locations along and west of the Allegheny front across western Maryland. The snow began during the morning of the 22nd and lasted into the afternoon of the 23rd.

## VIRGINIA, North

### (VA-Z021) HIGHLAND

	02/02/09 12:00 EST		0	Winter Storm
	02/02/09 22:00 EST		0	

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z037) ALBEMARLE, (VA-Z041) FAUQUIER, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z052) PRINCE WILLIAM

	02/02/09 17:00 EST		0	Winter Weather
	02/03/09 00:00 EST		0	

A cold front pushed through northern Virginia earlier in the day. Behind the front, an area of snow moved across the area.

### AUGUSTA COUNTY --- 0.5 W DEERFIELD [38.20, -79.41]

	02/11/09 20:20 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 20:20 EST		0	Source: Unknown

Thunderstorm wind gusts were estimated around 50 knots in Deerfield.

### AUGUSTA COUNTY --- 0.5 W CHURCHVILLE [38.23, -79.16]

	02/11/09 20:30 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 20:30 EST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees were down from thunderstorm winds in Churchville.				
<b>AUGUSTA COUNTY --- FISHERSVILLE [38.10, -78.97]</b>				
	02/11/09 20:40 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 20:40 EST	0		Source: Emergency Manager
Trees were down from thunderstorm winds in Fisherville.				
<b>PAGE COUNTY --- 0.9 NE SHENANDOAH [38.49, -78.62]</b>				
	02/11/09 20:58 EST	0		Thunderstorm Wind (MG 52 kt)
	02/11/09 20:58 EST	0		Source: Mesonet
A wind gust from a thunderstorm was measured at 60 mph in Shenandoah.				
<b>FREDERICK COUNTY --- 0.5 E HAYFIELD [39.23, -78.29]</b>				
	02/11/09 21:00 EST	0		Hail (0.75 in)
	02/11/09 21:00 EST	0		Source: Trained Spotter
Penny sized hail was reported in Hayfield.				
<b>PAGE COUNTY --- 0.5 E LEAKSVILLE [38.63, -78.52]</b>				
	02/11/09 21:01 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 21:01 EST	0		Source: Emergency Manager
Wind gusts from thunderstorms were estimated at 50 knots just southwest of Luray.				
<b>PAGE COUNTY --- 0.7 S LURAY [38.66, -78.47]</b>				
	02/11/09 21:05 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 21:05 EST	0		Source: Trained Spotter
Trees and powerlines were down from thunderstorm winds near Luray.				
<b>WARREN COUNTY --- FRONT ROYAL [38.92, -78.18]</b>				
	02/11/09 21:08 EST	0		Thunderstorm Wind (MG 54 kt)
	02/11/09 21:08 EST	0		Source: Trained Spotter
A wind gust of 62 mph was measured from a thunderstorm in Front Royal.				
<b>GREENE COUNTY --- 0.5 W STANDARDSVILLE [38.30, -78.44]</b>				
	02/11/09 21:09 EST	0		Thunderstorm Wind (MG 52 kt)
	02/11/09 21:09 EST	0		Source: Trained Spotter
A wind gust of 60 mph was measured from a thunderstorm in Stanardsville.				
<b>CLARKE COUNTY --- 0.9 SW BOYCE [39.09, -78.06]</b>				
	02/11/09 21:16 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 21:16 EST	0		Source: Trained Spotter
Trees and powerlines were down from thunderstorm winds in Boyce.				
<b>FAUQUIER COUNTY --- HUME [38.83, -78.00]</b>				
	02/11/09 21:26 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 21:26 EST	0		Source: Emergency Manager
Wind gusts from thunderstorms were estimated around 50 knots in Hume.				
<b>LOUDOUN COUNTY --- 0.9 SW NORTH FORK [39.06, -77.74], 0.5 W DOVER [38.97, -77.68]</b>				
	02/11/09 21:34 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 21:40 EST	0		Source: Emergency Manager
Numerous trees up to 8 inches in Diameter were down throughout the county. Wires were also down causing a one acre brush fire in Neersville.				

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<b>FAUQUIER COUNTY --- 1.1 W WARRENTON [38.72, -77.80]</b>				
	02/11/09 21:35 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 21:35 EST		0	Source: Emergency Manager
Trees and powerlines were down across the county from thunderstorm winds.				
A potent cold front passed through Virginia on the evening of the 11th. A warm moist flow ahead of the front caused more instability than usual for this time of year. The combination of the cold front and instability caused showers and thunderstorms to develop. Some thunderstorms were severe, producing damaging winds.				
<b>(VA-Z025) AUGUSTA, (VA-Z028) FREDERICK, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN</b>				
	02/12/09 03:04 EST		0	High Wind (MAX 56 kt)
	02/12/09 11:00 EST		0	
A strong area of low pressure intensified off the New England coast on the 12th. A strong pressure gradient between this low and high pressure over the Ohio Valley resulted in high winds across northern and central Virginia on the 12th.				
<b>WEST VIRGINIA, East</b>				
<b>(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z504) EASTERN MINERAL</b>				
	02/02/09 11:00 EST		0	Winter Weather
	02/02/09 22:00 EST		0	
<b>(WV-Z054) PENDLETON</b>				
	02/02/09 11:00 EST		0	Winter Storm
	02/02/09 20:00 EST		0	
A cold front pushed through West Virginia early in the day, providing northwest winds that lead to an upslope snow event during the afternoon.				
<b>GRANT COUNTY --- MAYSVILLE [39.12, -79.17]</b>				
	02/11/09 20:00 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 20:00 EST		0	Source: Trained Spotter
Trees were down from thunderstorm winds in Maysville.				
<b>GRANT COUNTY --- 0.5 W PETERSBURG [39.00, -79.13]</b>				
	02/11/09 20:05 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 20:05 EST		0	Source: Trained Spotter
Trees were down from thunderstorm winds in Petersburg.				
<b>HARDY COUNTY --- 0.9 NE TAYLOR [39.06, -78.97]</b>				
	02/11/09 20:18 EST		0	Thunderstorm Wind (EG 50 kt)
	02/11/09 20:18 EST		0	Source: Emergency Manager
A tree was down from thunderstorm winds in Moorefield.				
<b>MINERAL COUNTY --- 0.7 N KEYSER [39.44, -78.98]</b>				
	02/11/09 20:30 EST		0	Thunderstorm Wind (MG 53 kt)
	02/11/09 20:30 EST		0	Source: COOP Observer
A thunderstorm wind gust of 61 mph was reported in Keyser.				
<b>JEFFERSON COUNTY --- 0.7 N ALDRIDGE [39.33, -77.92]</b>				
	02/11/09 21:18 EST		0	Thunderstorm Wind (EG 52 kt)
	02/11/09 21:18 EST		0	Source: Public
A thunderstorm wind gust was estimated around 60 mph near Middleway.				

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<b>JEFFERSON COUNTY --- 1.3 WSW SHEPHERDSTOWN [39.42, -77.82]</b>				
	02/11/09 21:21 EST	0		Thunderstorm Wind (EG 50 kt)
	02/11/09 21:21 EST	0		Source: Trained Spotter
Trees were uprooted along Morgan Grove Road near Shepherdstown.				
A potent cold front passed through eastern West Virginia on the evening of the 11th. A warm moist flow ahead of the front caused more instability than usual for this time of year. The combination of the cold front and instability caused showers and thunderstorms to develop. Some thunderstorms were severe, producing damaging winds.				
<b>(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z053) JEFFERSON, (WV-Z054) PENDLETON, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL</b>				
	02/12/09 04:00 EST	0		High Wind (MAX 62 kt)
	02/12/09 13:09 EST	0		
A strong area of low pressure intensified off the New England coast on the 12th. A strong pressure gradient between this low and high pressure over the Ohio Valley resulted in high winds across eastern West Virginia on the 12th.				
<b>(WV-Z054) PENDLETON</b>				
	02/16/09 04:00 EST	0		Winter Weather
	02/16/09 20:00 EST	0		
A northwest flow behind a cold front triggered snow showers across eastern West Virginia for locations along and west of the Allegheny Front.				
<b>(WV-Z054) PENDLETON</b>				
	02/17/09 06:00 EST	0		Winter Weather
	02/17/09 10:00 EST	0		
A storm system passed through the Mid-Atlantic bringing a period of snow and ice to eastern West Virginia. The wintry precipitation fell during the morning hours of the 17th.				
<b>(WV-Z054) PENDLETON, (WV-Z503) WESTERN MINERAL</b>				
	02/19/09 05:00 EST	0		Winter Weather
	02/20/09 11:00 EST	0		
<b>(WV-Z501) WESTERN GRANT</b>				
	02/19/09 05:00 EST	0		Winter Storm
	02/20/09 11:00 EST	0		
A northwest flow behind a cold front resulted in upslope snow showers for locations along and west of the Allegheny front across eastern West Virginia.				
<b>(WV-Z054) PENDLETON, (WV-Z501) WESTERN GRANT</b>				
	02/22/09 02:00 EST	0		Winter Storm
	02/23/09 15:00 EST	0		
Cold moist air behind a cold front triggered upslope snow showers for locations along and west of the Allegheny front across eastern West Virginia. The snow began on the morning of the 22nd and lasted into the afternoon hours of the 23rd.				