

Storm Data and Unusual Weather Phenomena - December 2007

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

(DC-Z001) DISTRICT OF COLUMBIA

	12/05/07 08:00 EST	0	0	Winter Weather
	12/05/07 20:00 EST	0	0	

An Alberta Clipper system moved quickly across the Mid Atlantic on December 5th. This was the first snow of the season for much of the region. This storm caused significant traffic impacts during the morning commute across the Washington DC metro area. Snow amounts ranged from 2 to 3 inches across the District.

(DC-Z001) DISTRICT OF COLUMBIA

	12/23/07 07:00 EST	0	0	Dense Fog
	12/23/07 13:00 EST	0	0	

Areas of dense fog developed during the early morning hours of December 23rd across Washington DC. Visibilities were often reduced to one quarter mile or less through the morning.

MARYLAND, Central

(MD-Z014) ANNE ARUNDEL

	12/03/07 09:00 EST	5K	0	High Wind (MAX 50 kt)
	12/03/07 13:00 EST	0	0	

(MD-Z009) MONTGOMERY, (MD-Z013) PRINCE GEORGES

	12/03/07 09:45 EST	15K	0	Strong Wind (MAX 45 kt)
	12/03/07 14:00 EST	0	0	

(MD-Z501) EXTREME WESTERN ALLEGANY

	12/03/07 12:00 EST	0	0	Winter Weather
	12/04/07 00:00 EST	0	0	

A strong cold front moved across the Mid Atlantic early on December 3rd. This brought gusty winds to portions of central Maryland through much of the day. Many automated observations measured wind gusts between 40 and 55 mph. Damages consisted of trees and power lines brought down by the winds. Some trees and power lines fell onto homes and cars.

Upslope snow showers developed during the late morning hours along the western face of the Allegheny Front in western Maryland. Snow amounts ranged from 3 to 4 inches.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	12/05/07 08:00 EST	0	0	Heavy Snow
	12/05/07 20:00 EST	0	0	

(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

	12/05/07 08:00 EST	0	0	Winter Weather
	12/05/07 20:00 EST	0	0	

An Alberta Clipper system moved quickly across the Mid Atlantic on December 5th. This was the first snow of the season for much of the region. This storm caused significant traffic impacts during the morning commute across the Washington DC and Baltimore metro areas. The highest snowfall accumulations were measured across northern Maryland from Allegany County east to Carroll County. Snow amounts ranged from 1 to 3 inches across lower southern Maryland north into the Washington and southern Baltimore suburbs, and up to 7 inches in far western Allegany County.

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z009) MONTGOMERY, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL

	12/10/07 01:00 EST	0	0	Dense Fog
	12/10/07 07:00 EST	0	0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Areas of dense fog developed during the early morning hours of December 10th across portions of northern and central Maryland, including the northern and eastern Washington DC suburbs and southern and western Baltimore suburbs. Visibilities were often reduced to one quarter mile or less through sunrise.

(MD-Z003) WASHINGTON, (MD-Z005) CARROLL, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

12/13/07 03:00 EST	0	Winter Weather
12/13/07 16:00 EST	0	

(MD-Z501) EXTREME WESTERN ALLEGANY

12/13/07 03:00 EST	0	Ice Storm
12/13/07 16:00 EST	0	

A low pressure system moving across the Mid Atlantic brought a mixture of rain and freezing rain to portions of northern and western Maryland. Sub-freezing temperatures at the surface combined with a layer of warmer air aloft caused rain to change over to freezing rain. Ice accumulations between one quarter and one half inch were reported in western Allegany County, with lesser amounts further east.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z009) MONTGOMERY, (MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S

12/13/07 21:00 EST	0	Dense Fog
12/14/07 11:00 EST	0	

Areas of dense fog developed during the late evening hours of December 13th and continued through late morning on December 14th across portions of northern and central Maryland, including the northern and eastern Washington DC suburbs and southern and western Baltimore suburbs. Visibilities were often reduced to one quarter mile or less.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

12/15/07 16:00 EST	0	Winter Storm
12/16/07 13:00 EST	0	

A low pressure system developed over the lower Mississippi River Valley on December 15th and moved north across the Mid Atlantic on December 16th. Precipitation began during the late afternoon of the 15th as a mixture of snow and sleet. Warm air aloft then pushed over the region during the late evening and overnight hours on the 16th, changing the precipitation to a mixture of sleet and freezing rain. Significant accumulations of ice, snow and sleet were reported across northern Maryland.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z014) ANNE ARUNDEL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

12/16/07 17:00 EST	26K	High Wind (MAX 53 kt)
12/16/07 22:00 EST	0	

A low pressure system that moved across the Mid Atlantic on December 15th deepened off the New England coast on December 16th. As the storm intensified, gusty westerly winds developed. Wind gusts of 50 to 60 mph were measured across the region. Damages were intensified in areas that received significant ice accumulations. Numerous downed trees and power lines caused extended power outages.

(MD-Z003) WASHINGTON

12/30/07 22:00 EST	0	Winter Weather
12/31/07 08:00 EST	0	

A low pressure system over eastern North Carolina spread precipitation across the Mid Atlantic on December 30th. As the low pulled north and intensified off Cape Cod, colder air was brought across the region, causing rain to turn to a wintry mix and finally snow across the region during the evening and overnight hours.

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

12/31/07 01:00 EST	5K	Freezing Fog
12/31/07 10:00 EST	0	

Areas of dense fog developed across portions of north-central Maryland during the early morning hours of December 31st. Visibilities were often reduced to a quarter mile or less. Temperatures during the overnight hours fell into the lower 30s, causing fog to freeze onto some surfaces. The fog and glaze of ice caused significant travel problems. Over 100 accidents were reported on Interstate 70, US 340 and US 15. One fatality was reported in Frederick County.

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ST. MARY'S				
	12/23/07 04:00 EST		0	Dense Fog
	12/23/07 13:00 EST		0	

Areas of dense fog developed during the early morning hours of December 23rd across portions of northern and central Maryland, including the northern and eastern Washington DC suburbs and southern Baltimore suburbs. Visibilities were often reduced to one quarter mile or less through sunrise.

VIRGINIA, North

(VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON				
	12/03/07 09:48 EST		14K	Strong Wind (MAX 45 kt)
	12/03/07 12:00 EST		0	

A strong cold front moved across the Mid Atlantic early on December 3rd. This brought gusty winds to northern Virginia during the late morning through late afternoon hours. Many automated observations measured wind gusts between 40 and 55 mph. Damages consisted of trees and power lines brought down by the winds. Some trees and power lines fell onto homes and cars.

(VA-Z021) HIGHLAND, (VA-Z025) AUGUSTA, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z041) FAUQUIER, (VA-Z042) LOUDOUN, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON				
	12/05/07 08:00 EST		10K	Winter Weather
	12/05/07 20:00 EST		0	

An Alberta Clipper system moved quickly across the Mid Atlantic on December 5th. This was the first snow of the season for much of the region. This storm caused significant traffic impacts during the morning commute across the Washington DC metro area. The highest snowfall accumulations were measured across northern Virginia. Snow amounts ranged from 1 to 2 inches across the northern Shenandoah Valley to 2 to 5 inches across the Washington DC suburbs.

(VA-Z041) FAUQUIER, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX				
	12/10/07 01:00 EST		0	Dense Fog
	12/10/07 07:00 EST		0	

Areas of dense fog developed during the early morning hours of December 10th across portions of northern and central Virginia, including the northern and eastern Washington DC suburbs. Visibilities were often reduced to one quarter mile or less through sunrise.

(VA-Z028) FREDERICK, (VA-Z041) FAUQUIER, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA				
	12/13/07 20:00 EST		0	Dense Fog
	12/14/07 11:00 EST		0	

Areas of dense fog developed during the late evening hours of December 13th and continued through late morning on December 14th across portions of northern and central Virginia, including the northern and eastern Washington DC suburbs. Visibilities were often reduced to one quarter mile or less.

(VA-Z021) HIGHLAND, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN				
	12/15/07 16:00 EST		10K	Winter Storm
	12/16/07 13:00 EST		0	

(VA-Z025) AUGUSTA, (VA-Z029) PAGE				
	12/15/07 16:00 EST		0	Winter Weather
	12/16/07 13:00 EST		0	

A low pressure system developed over the lower Mississippi River Valley on December 15th and moved north across the Mid Atlantic on December 16th. Precipitation began during the late afternoon of the 15th as a mixture of snow and sleet. Warm air aloft then pushed over the region during the late evening and overnight hours on the 16th, changing the precipitation to a mixture of sleet and freezing rain. Significant accumulations of ice, snow and sleet were reported across northwestern Virginia and the northern Shenandoah Valley.

(VA-Z025) AUGUSTA, (VA-Z028) FREDERICK, (VA-Z042) LOUDOUN				
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Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/16/07 17:00 EST		25K	High Wind (MAX 54 kt)
	12/16/07 21:00 EST		0	

A low pressure system that moved across the Mid Atlantic on December 15th deepened off the New England coast on December 16th. As the storm intensified, gusty westerly winds developed. Wind gusts of 50 to 60 mph were measured across the region. Damages were intensified in areas that received significant ice accumulations. Numerous downed trees and power lines caused extended power outages.

(VA-Z037) ALBEMARLE, (VA-Z042) LOUDOUN, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX

12/31/07 02:00 EST	0	Freezing Fog
12/31/07 11:00 EST	0	

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

12/31/07 03:00 EST	0	Dense Fog
12/31/07 10:00 EST	0	

Areas of dense fog developed across portions of northern and central Virginia, including the Washington DC suburbs and areas south towards Charlottesville during the early morning hours of December 31st. Visibilities were often reduced to a quarter mile or less. Temperatures during the overnight hours fell into the lower 30s, causing fog to freeze onto some surfaces.

(VA-Z037) ALBEMARLE, (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

12/23/07 03:00 EST	0	Dense Fog
12/23/07 13:00 EST	0	

Areas of dense fog developed during the early morning hours of December 23rd across portions of northern and central Virginia, including the Washington DC suburbs south into Charlottesville. Visibilities were often reduced to one quarter mile or less through sunrise.

WEST VIRGINIA, East

(WV-Z501) WESTERN GRANT

12/03/07 12:00 EST	0	Heavy Snow
12/04/07 00:00 EST	0	

A strong cold front moved across the Mid Atlantic early on December 3rd. Upslope snow showers developed behind the front during the late morning hours along the western face of the Allegheny Front in western Maryland and the eastern pan handle of West Virginia. Snow amounts ranged from 3 to 6 inches.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL

12/05/07 08:00 EST	0	Heavy Snow
12/05/07 20:00 EST	0	

(WV-Z053) JEFFERSON

12/05/07 08:00 EST	0	Winter Weather
12/05/07 20:00 EST	0	

An Alberta Clipper system moved quickly across the Mid Atlantic on December 5th. This was the first snow of the season for much of the region. The highest snowfall accumulations of 9 to 13 inches were measured in western Grant County. Snow amounts ranged from 3 to 6 inches across the remainder of the eastern pan handle.

(WV-Z052) BERKELEY

12/10/07 02:00 EST	0	Dense Fog
12/10/07 07:00 EST	0	

Areas of dense fog developed during the early morning hours of December 10th across Berkeley County in the eastern pan handle of West Virginia. Visibilities were often reduced to one quarter mile or less through sunrise.

(WV-Z052) BERKELEY

Storm Data and Unusual Weather Phenomena - December 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/13/07 20:00 EST		0	Dense Fog
	12/14/07 11:00 EST		0	

Areas of dense fog developed during the late evening hours of December 13th and continued through late morning on December 14th across Berkeley County in the eastern pan handle of West Virginia. Visibilities were often reduced to one quarter mile or less.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z054) PENDLETON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL				
	12/15/07 16:00 EST		8K	Winter Storm
	12/16/07 13:00 EST		0	

A low pressure system developed over the lower Mississippi River Valley on December 15th and moved north across the Mid Atlantic on December 16th. Precipitation began during the late afternoon of the 15th as a mixture of snow and sleet. Warm air aloft then pushed over the region during the late evening and overnight hours on the 16th, changing the precipitation to a mixture of sleet and freezing rain. Significant accumulations of ice, snow and sleet were reported across the eastern pan handle of West Virginia.

(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				
	12/16/07 17:30 EST		16K	High Wind (MAX 53 kt)
	12/16/07 23:00 EST		0	

A low pressure system that moved across the Mid Atlantic on December 15th deepened off the New England coast on December 16th. As the storm intensified, gusty westerly winds developed. Wind gusts of 50 to 60 mph were measured across the region. Damages were intensified in areas that received significant ice accumulations. Numerous downed trees and power lines caused extended power outages.

(WV-Z052) BERKELEY				
	12/23/07 04:00 EST		0	Dense Fog
	12/23/07 13:00 EST		0	

Areas of dense fog developed during the early morning hours of December 23rd across Berkeley County in the eastern pan handle of West Virginia. Visibilities were often reduced to one quarter mile or less through sunrise.

(WV-Z501) WESTERN GRANT				
	12/16/07 12:00 EST		0	Heavy Snow
	12/17/07 00:00 EST		0	

Upslope snow showers developed in the wake of a departing low pressure system on December 16th and 17th. Cooperative Observers in western Grant County measured more than 6 inches of snow within 12 hours.