

## Storm Data and Unusual Weather Phenomena - February 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
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### DISTRICT OF COLUMBIA

#### DISTRICT OF COLUMBIA (DC-Z001)

02/06/07 22:00 EST	0	0	Winter Weather
02/07/07 08:00 EST	0	0	

A fast-moving clipper system moved over the Mid Atlantic during the evening hours of February 6th through early morning on February 7th. Between one and two inches of snow was reported across Washington DC.

#### DISTRICT OF COLUMBIA (DC-Z001)

02/13/07 05:00 EST	0	0	Winter Storm
02/14/07 10:00 EST	0	0	

A low pressure system moved out of the Southern Plains and strengthened off the southeast coast February 12th through 14th, bringing accumulating wintry precipitation to Washington DC beginning during the afternoon and evening hours of February 12th and continued through the early morning hours of February 14th. The heaviest precipitation occurred February 13th as the low pressure system intensified off the coast.

Two to three inches of snow, sleet and freezing rain fell across the District. This mix precipitation created a very hard and thick layer of ice. Many snow plows were not equipped to handle such heavy precipitation, leading to longer wait times for roadways and sidewalks to be cleared. Icy road conditions lead to dozens of car accidents across the region and schools were closed for much of the week. Several restaurants and florists reported reduced Valentines' Day sales due to the hazardous road conditions.

#### DISTRICT OF COLUMBIA (DC-Z001)

02/25/07 00:00 EST	0	0	Winter Storm
02/25/07 18:00 EST	0	0	

A low pressure system developed over the high plains of eastern Colorado on February 23rd and pushed east to the Ohio Valley by February 25th. Abundant warm and moist air just above the surface originating from the Gulf of Mexico was pulled north over the Mid Atlantic ahead of the system. Snow began to fall after midnight on February 25th and continued through the early evening hours.

A Cooperative Observer at Reagan National Airport reported nearly 3 inches of snow. Snowfall reports surrounding the District ranged from 3 to 6 inches. Reagan National Airport closed for about an hour and a half while crews worked to clear snow from the runway.

#### DISTRICT OF COLUMBIA (DC-Z001)

02/27/07 02:00 EST	0	0	Dense Fog
02/27/07 10:00 EST	0	0	

Areas of dense fog formed during the early morning hours across Washington DC. Visibilities were reduced to less than a quarter mile.

### MARYLAND, Central

#### MONTGOMERY (MD-Z009)

02/04/07 22:00 EST	1	0	Extreme Cold/Wind Chill
02/05/07 09:00 EST	0	0	

An arctic cold front pushed through the Mid Atlantic from the mid west during the evening hours on February 3rd. Northwest winds behind the front gusted to 40 mph. The combination of cold temperatures and strong winds produced wind chill values from 5 to 15 below zero during the overnight hours from February 3rd through February 6th. The morning of Monday, February 5th was the coldest of the stretch. Temperatures dipped below zero in Frostburg, MD., according to Cooperative Observer reports.

Annie Mae Anderson, 81, of Silver Spring, MD., was found dead during the morning of February 5th in a wooded area behind her home. Anderson, who suffered from dementia, apparently wandered away from her home without her coat. Cause of death was exposure to the cold weather.

Allegany County schools were closed Monday, February 5th due to the cold.

#### WASHINGTON (MD-Z003), FREDERICK (MD-Z004), CARROLL (MD-Z005), NORTHERN BALTIMORE (MD-Z006), HARFORD (MD-Z007), MONTGOMERY (MD-Z009), HOWARD (MD-Z010), ANNE ARUNDEL (MD-Z014), CHARLES (MD-Z016), EXTREME WESTERN ALLEGANY (MD-Z501), CENTRAL AND EASTERN ALLEGANY (MD-Z502)

02/06/07 20:00 EST	0	0	Winter Weather
02/07/07 09:00 EST	0	0	

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A fast-moving clipper system moved over the Mid Atlantic during the evening hours of February 6th through early morning on February 7th. Snow amounts ranged from 1 to 4 inches across northern and central Maryland.

Schools were closed Wednesday, February 7th in Anne Arundel, Baltimore, Carroll, Harford and Howard Counties due to road conditions.

**ST. MARY'S (MD-Z017), CALVERT (MD-Z018), CENTRAL AND EASTERN ALLEGANY (MD-Z502)**

02/12/07 22:00 EST	0	0	Winter Weather
02/14/07 12:00 EST	0	0	

**WASHINGTON (MD-Z003), FREDERICK (MD-Z004), CARROLL (MD-Z005), NORTHERN BALTIMORE (MD-Z006), HARFORD (MD-Z007), MONTGOMERY (MD-Z009), HOWARD (MD-Z010), SOUTHERN BALTIMORE / BALTIMORE (C) (MD-Z011), PRINCE GEORGES (MD-Z013), ANNE ARUNDEL (MD-Z014), CHARLES (MD-Z016), EXTREME WESTERN ALLEGANY (MD-Z501)**

02/12/07 22:00 EST	0	0	Winter Storm
02/14/07 12:00 EST	0	0	

A low pressure system moved out of the Southern Plains and strengthened off the southeast coast February 12th through 14th, bringing accumulating wintry precipitation to much of Maryland beginning during the afternoon and evening hours of February 12th and continued through the early morning hours of February 14th. The heaviest precipitation occurred February 13th as the low pressure system intensified off the coast.

Snow and sleet accumulations ranged from 1 to 9 inches and ice accumulations ranged from a tenth to three quarters of an inch. This mix of sleet, snow and freezing rain created a very hard and thick layer of ice. Many snow plows were not equipped to handle such heavy precipitation, leading to longer wait times for roadways and sidewalks to be cleared. Across lower southern Maryland, freezing rain was more of a problem. Ice coated trees and power lines, causing over 100,000 power outages. Several roadways were closed due to downed trees. Those open roadways were snarled with traffic and dozens of minor car accidents. Schools were closed for much of the week. Restaurants and florists reported reduced Valentines' Day sales due to the hazardous road conditions.

**EXTREME WESTERN ALLEGANY (MD-Z501)**

02/17/07 18:00 EST	0	0	Winter Weather
02/18/07 18:00 EST	0	0	

Northwest flow in the wake of a weak clipper system allowed very cold air to stream across the still unfrozen waters of Lake Michigan and transport moisture into the higher elevations of the Allegheny Front of western Maryland. Cooperative Observers and trained spotters reported total new snow accumulations of between 3 and 4 inches from Frostburg to Eckhart Mines in Allegany County, Maryland.

**WASHINGTON (MD-Z003)**

02/22/07 15:15 EST	0	1K	Strong Wind (MAX 40 kt)
02/22/07 15:15 EST	0	0	

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

02/22/07 20:00 EST	0	0	High Wind (MAX 50 kt)
02/22/07 20:00 EST	0	0	

A fast-moving cold front and strong upper level disturbance pushed across the Mid Atlantic during the late morning of February 23rd. Strong northwest winds behind the cold front gusted up to 60 mph.

Utility wires and trees were downed in Frostburg, MD, in Allegany County.

Utility wires were downed across a roadway 5 miles north of Sharpsburg across a roadway.

**CARROLL (MD-Z005), NORTHERN BALTIMORE (MD-Z006), HARFORD (MD-Z007), SOUTHERN BALTIMORE / BALTIMORE (C) (MD-Z011), ANNE ARUNDEL (MD-Z014), ST. MARY'S (MD-Z017), CALVERT (MD-Z018)**

02/24/07 21:00 EST	0	0	Winter Weather
02/25/07 18:00 EST	0	0	

**WASHINGTON (MD-Z003), FREDERICK (MD-Z004), MONTGOMERY (MD-Z009), HOWARD (MD-Z010), PRINCE GEORGES (MD-Z013), CHARLES (MD-Z016), CENTRAL AND EASTERN ALLEGANY (MD-Z502)**

02/24/07 21:00 EST	0	0	Winter Storm
02/25/07 18:00 EST	0	0	

A low pressure system developed over the high plains of eastern Colorado on February 23rd and pushed east to the Ohio Valley by February 25th. Abundant warm and moist air just above the surface originating from the Gulf of Mexico was pulled north over the Mid

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Atlantic ahead of the system. Snow began to fall over the region beginning late on February 24th and continued through the early evening hours on February 25th.

Snowfall amounts ranged from 3 to 6 inches across Maryland. Nearly 2000 people lost power in Montgomery County with the snowfall. Numerous traffic accidents were reported across the Baltimore metro area due to the icy road conditions. Schools were delayed Monday, February 26th, in Montgomery and Prince Georges Counties.

**MONTGOMERY (MD-Z009), PRINCE GEORGES (MD-Z013), CHARLES (MD-Z016), ST. MARY'S (MD-Z017)**

02/27/07 02:00 EST	0	0	Dense Fog
02/27/07 10:00 EST	0	0	

Areas of dense fog formed during the early morning hours across the northern suburbs of Washington DC southeast across lower southern Maryland. Visibilities across the area were reduced to less than a quarter mile.

### **VIRGINIA, North**

**AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), FREDERICK / WINCHESTER (VA-Z028), PAGE (VA-Z029), CLARKE (VA-Z031), ALBEMARLE / CHARLOTTESVILLE (VA-Z037), GREENE (VA-Z038), RAPPAHANNOCK (VA-Z040), FAUQUIER (VA-Z041), LOUDOUN (VA-Z042), ORANGE (VA-Z050), CULPEPER (VA-Z051), PRINCE WILLIAM / MANASSAS (VA-Z052), FAIRFAX (VA-Z053), ARLINGTON / ALEXANDRIA / FALLS CHURCH (VA-Z054)**

02/06/07 22:00 EST	0	0	Winter Weather
02/07/07 09:00 EST	0	0	

A fast-moving clipper system moved over the Mid Atlantic during the evening hours of February 6th through early morning on February 7th. Snow amounts ranged from 1 to 5 inches across northern and central Virginia.

**HIGHLAND (VA-Z021), AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), FREDERICK / WINCHESTER (VA-Z028), PAGE (VA-Z029), WARREN (VA-Z030), CLARKE (VA-Z031), NELSON (VA-Z036), ALBEMARLE / CHARLOTTESVILLE (VA-Z037), GREENE (VA-Z038), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040), FAUQUIER (VA-Z041), LOUDOUN (VA-Z042), ORANGE (VA-Z050), CULPEPER (VA-Z051), PRINCE WILLIAM / MANASSAS (VA-Z052), FAIRFAX (VA-Z053), ARLINGTON / ALEXANDRIA / FALLS CHURCH (VA-Z054), STAFFORD (VA-Z055), SPOTSYLVANIA / FREDERICKSBURG (VA-Z056), KING GEORGE (VA-Z057)**

02/12/07 23:00 EST	0	0	Winter Storm
02/14/07 10:00 EST	0	0	

**LOUDOUN (VA-Z042)**

02/14/07 15:00 EST	1	0	Strong Wind (MAX 30 kt)
02/14/07 15:00 EST	1	0	

A low pressure system moved out of the Southern Plains and strengthened off the southeast coast February 12th through 14th, bringing accumulating wintry precipitation to much of northern Virginia beginning during the afternoon and evening hours of February 12th and continued through the early morning hours of February 14th. The heaviest precipitation occurred February 13th as the low pressure system intensified off the coast.

Snow and sleet accumulations ranged from 1 to 7 inches and ice accumulations ranged from a tenth to three quarters of an inch. This mix of sleet, snow and freezing rain created a very hard and thick layer of ice. Many snow plows were not equipped to handle such heavy precipitation, leading to longer wait times for roadways and sidewalks to be cleared. Icy road conditions lead to dozens of car accidents across the region. Schools were closed for much of the week. Several restaurants and florists reported reduced Valentines' Day sales due to the hazardous road conditions.

The Washington Post reported that a 15 year old girl in Bluemont, VA., was killed when a strong wind gust sent portions of a large old tree fell. Wind gusts around the region ranged from 20 to 25 mph with gusts as high as 35 mph.

**AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), PAGE (VA-Z029), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040)**

02/22/07 14:35 EST	0	10K	Strong Wind (MAX 49 kt)
02/22/07 16:30 EST	0	0	

**ALBEMARLE / CHARLOTTESVILLE (VA-Z037)**

02/22/07 15:40 EST	0	1K	High Wind (MAX 50 kt)
02/22/07 15:40 EST	0	0	

A fast-moving cold front and strong upper level disturbance pushed across the Mid Atlantic during the late morning of February 23rd. Strong northwest winds behind the cold front gusted up to 50 mph.

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Sporadic trees and power lines were downed throughout Albemarle County due to strong winds. Trees and power lines were downed in the City of Charlottesville.				
A tree was downed outside of Port Republic, VA, in Augusta County. A wind gust of 63 mph was estimate in Free Union, VA.				
A few trees were downed across a road in Madison, VA.				
A Mesonet observing station in Wintergreen, VA, in Nelson County reported a measured wind gust of 63 mph.				
Some small trees were downed due to high wind in Luray, VA, in Page County.				
Roads were blocked by downed trees outside of Sperryville, VA, in Rappahannock County.				
<b>AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ALBEMARLE / CHARLOTTESVILLE (VA-Z037), GREENE (VA-Z038), RAPPAHANNOCK (VA-Z040), ORANGE (VA-Z050), CULPEPER (VA-Z051), SPOTSYLVANIA / FREDERICKSBURG (VA-Z056), KING GEORGE (VA-Z057)</b>				
	02/24/07 22:00 EST	0	0	Winter Weather
	02/25/07 18:00 EST	0	0	
<b>HIGHLAND (VA-Z021), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), FREDERICK / WINCHESTER (VA-Z028), PAGE (VA-Z029), WARREN (VA-Z030), CLARKE (VA-Z031), FAUQUIER (VA-Z041), LOUDOUN (VA-Z042), PRINCE WILLIAM / MANASSAS (VA-Z052), FAIRFAX (VA-Z053), ARLINGTON / ALEXANDRIA / FALLS CHURCH (VA-Z054), STAFFORD (VA-Z055)</b>				
	02/24/07 22:00 EST	0	0	Winter Storm
	02/25/07 18:00 EST	0	0	
A low pressure system developed over the high plains of eastern Colorado on February 23rd and pushed east to the Ohio Valley by February 25th. Abundant warm and moist air just above the surface originating from the Gulf of Mexico was pulled north over the Mid Atlantic ahead of the system. Temperatures at the surface were cold enough for a wintry mix of precipitation to fall over the region beginning late on February 24th and continued through the evening of February 25th.				
There was a wide range of snowfall reports across Virginia. Bands of heavier snowfall developed across northern and central Virginia...allowing some locations to receive up to 11 inches of snow within 12 hours. Sleet and freezing rain mixed with snow at times. Schools in Alexandria and Fairfax County delayed school openings by two hours due to icy roadways on Monday, February 26th.				
<b>HIGHLAND (VA-Z021), AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), PAGE (VA-Z029), WARREN (VA-Z030), NELSON (VA-Z036), ALBEMARLE / CHARLOTTESVILLE (VA-Z037), GREENE (VA-Z038), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040), FAUQUIER (VA-Z041), LOUDOUN (VA-Z042), ORANGE (VA-Z050), CULPEPER (VA-Z051), PRINCE WILLIAM / MANASSAS (VA-Z052), FAIRFAX (VA-Z053), ARLINGTON / ALEXANDRIA / FALLS CHURCH (VA-Z054), STAFFORD (VA-Z055), SPOTSYLVANIA / FREDERICKSBURG (VA-Z056), KING GEORGE (VA-Z057)</b>				
	02/27/07 02:00 EST	0	0	Dense Fog
	02/27/07 10:00 EST	0	0	
Areas of dense fog formed during the early morning hours across the foothills of the Blue Ridge Mountains east towards Interstate 95. Visibilities across the area were reduced to less than a quarter mile.				
<b>WEST VIRGINIA, East</b>				
<b>WESTERN GRANT (WV-Z501)</b>				
	02/02/07 12:00 EST	0	0	Winter Storm
	02/03/07 10:00 EST	0	0	
Low pressure off Cape Hatteras moved north towards Long Island late February 1st through early February 3rd. Snow showers developed along the western ridge of the Allegheny Front in the eastern panhandle of West Virginia around noon on February 2nd and continued through the late morning hours of February 3rd. Snowfall amounts ranged between 4 inches in Mt. Storm, WV., and 6 inches in Bayard, WV.				
<b>HAMPSHIRE (WV-Z050), BERKELEY (WV-Z052), JEFFERSON (WV-Z053), HARDY (WV-Z055), EASTERN MINERAL (WV-Z504)</b>				
	02/06/07 19:00 EST	0	0	Winter Weather
	02/07/07 07:00 EST	0	0	
<b>PENDLETON (WV-Z054), WESTERN GRANT (WV-Z501), EASTERN GRANT (WV-Z502)</b>				
	02/06/07 19:00 EST	0	0	Winter Storm
	02/07/07 09:00 EST	0	0	

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A fast-moving clipper system moved over the Mid Atlantic during the evening hours of February 6th through early morning on February 7th.

Snow amounts ranged from 1 to 5 inches across much of the eastern pan handle of West Virginia. Between 5 and 8 inches of snow accumulation was reported in Grant and Pendleton Counties.

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**HAMPSHIRE (WV-Z050), PENDLETON (WV-Z054), WESTERN GRANT (WV-Z501), EASTERN GRANT (WV-Z502), EASTERN MINERAL (WV-Z504)**

02/12/07 22:00 EST	0	0	Winter Weather
02/14/07 12:00 EST	0	0	

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**MORGAN (WV-Z051), BERKELEY (WV-Z052), JEFFERSON (WV-Z053), HARDY (WV-Z055)**

02/12/07 22:00 EST	0	0	Winter Storm
02/14/07 12:00 EST	0	0	

A low pressure system moved out of the Southern Plains and strengthened off the southeast coast February 12th through 14th, bringing accumulating wintry precipitation to much of the eastern pan handle of West Virginia beginning during the afternoon and evening hours of February 12th and continued through the early morning hours of February 14th. The heaviest precipitation occurred February 13th as the low pressure system intensified off the coast.

Snow and sleet accumulations ranged from 1 to 7 inches and ice accumulations ranged from a tenth to three quarters of an inch. This mix of sleet, snow and freezing rain created a very hard and thick layer of ice. Many snow plows were not equipped to handle such heavy precipitation, leading to longer wait times for roadways and sidewalks to be cleared. Icy road conditions lead to dozens of car accidents across the region. Schools were closed for much of the week. Several restaurants and florists reported reduced Valentines' Day sales due to the hazardous road conditions.

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**WESTERN GRANT (WV-Z501)**

02/17/07 18:00 EST	0	0	Winter Weather
02/18/07 18:00 EST	0	0	

Northwest flow in the wake of a weak clipper system allowed very cold air to stream across the still unfrozen waters of Lake Michigan and transport moisture into the higher elevations of the Allegheny Front of the eastern pan handle of West Virginia. A Cooperative Observer reported total new snow accumulations of 1 to 2 inches in Bayard, WV, in western Grant County.

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**MORGAN (WV-Z051), BERKELEY (WV-Z052), HARDY (WV-Z055)**

02/22/07 13:00 EST	0	17K	Strong Wind (MAX 45 kt)
02/22/07 21:00 EST	0	0	

A fast-moving cold front and strong upper level disturbance pushed across the Mid Atlantic during the late morning of February 23rd. Strong northwest winds behind the cold front gusted up to 60 mph.

Homes in Moorefield, WV, in Hardy County experienced minor damage when trees were downed due to high winds.

In Morgan County, winds downed trees onto power lines in Berkeley Springs, WV.

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**HAMPSHIRE (WV-Z050), MORGAN (WV-Z051), BERKELEY (WV-Z052), JEFFERSON (WV-Z053), EASTERN MINERAL (WV-Z504)**

02/24/07 20:00 EST	0	0	Winter Storm
02/25/07 16:00 EST	0	0	

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**HARDY (WV-Z055)**

02/24/07 20:00 EST	0	0	Winter Weather
02/25/07 16:00 EST	0	0	

A low pressure system developed over the high plains of eastern Colorado on February 23rd and pushed east to the Ohio Valley by February 25th. Abundant warm and moist air just above the surface originating from the Gulf of Mexico was pulled north over the Mid Atlantic ahead of the system. Temperatures at the surface were cold enough for a wintry mix of precipitation to fall over the region beginning late on February 24th and continued through mid day on February 25th.

Morgan, Berkeley and Jefferson Counties reported numerous traffic accidents with minor injuries on both major and secondary roadways throughout the morning and afternoon hours. A tractor-trailer blocked one lane of Interstate 81 near Falling Waters, WV., backing traffic up for hours. Schools in those three counties were closed on Monday, February 26th due to continued road problems.

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**PENDLETON (WV-Z054), HARDY (WV-Z055), WESTERN GRANT (WV-Z501), EASTERN GRANT (WV-Z502)**

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<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp; Injuries</u>	<u>Property &amp; Crop Dmg</u>	<u>Event Type and Details</u>
	02/27/07 02:00 EST	0	0	Dense Fog
	02/27/07 10:00 EST	0	0	

Areas of dense fog formed during the early morning hours across the higher terrain of the Allegheny Front and into the southeastern pan handle of West Virginia. Visibilities across the area were reduced to less than a quarter mile.