



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

DISTRICT OF COLUMBIA

DCZ001	District Of Columbia	08 1700EST 09 1400EST			0	0			Winter Weather/Mix
<p>An area of low pressure moved across Central Virginia and produced one to two inches of snow over Northern Virginia with lesser amounts over the District of Columbia and North Central Maryland. The dusting of snow caused widespread traffic problems throughout the District as a light glaze formed on the streets. Numerous automobile accidents were reported, and schools either closed or opened two hours late.</p>									
DCZ001	District Of Columbia	10 0100EST 1100EST			0	0			Extreme Cold/Wind Chill
<p>Very cold Arctic air settled over the Washington DC metropolitan area. The minimum temperatures ranged from the single digits to the lower teens, and north winds averaged 10 to 15 mph. The combination produced wind chills of 10 degrees below zero. There were dozens of reports of broken water mains and pipes due to the extremely cold temperatures.</p>									
DCZ001	District Of Columbia	15 2300EST 16 1100EST			0	0			Extreme Cold/Wind Chill
<p>A fast moving storm system brought light snow to the region on the 14th and 15th. The District and the surrounding suburbs only reported a trace of snowfall. There was some very cold air behind this system. Minimum temperatures across the region were in the single digits and teens. Strong northwest and west winds (20 to 25 mph with gusts to 35 mph) produced wind chills of 5 to 10 below zero on the night of the 15th and the early morning of the 16th.</p>									
DCZ001	District Of Columbia	17 1800EST 18 1600EST			0	0			Winter Weather/Mix
<p>Two areas of low pressure merged over the region, and produced a mix of snow and freezing rain. Snowfall amounts for the Metropolitan area ranged from one quarter to two inches. There were also reports of one tenth inch of ice accumulation. Glazed pavements caused several accidents around the District.</p>									
DCZ001	District Of Columbia	25 1200EST 26 1000EST			0	0			Winter Storm
<p>An area of low pressure developed off the coast of North Carolina and tracked north. This storm produced widespread snow, sleet and freezing drizzle over the region. Four to five inches of snow fell in the District. The snow mixed with sleet and finally changed over to freezing drizzle before ending. Several minor accidents were reported to Law Enforcement and Emergency personnel. Many schools closed due to the inclement weather.</p>									
DCZ001	District Of Columbia	26 1530EST 27 2230EST			0	0			Winter Weather/Mix
<p>A weak area of low pressure moved across the region on the 26th and 27th. This brought a second round of freezing rain and snow to the area. One tenth inch of ice accumulated in portions of the District. Some schools were closed on the 27th and Federal agencies closed three hours early.</p>									



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

MARYLAND, Central

MDZ009-013

Montgomery - Prince Georges

08	1700EST	0	0	Winter Weather/Mix
09	1400EST			

An area of low pressure tracked across Central Virginia on the 8th and 9th. This system produced up to two inches of snow across Northern Virginia and lesser amounts over North Central Maryland and the Baltimore Metropolitan area. The dusting of snow caused widespread traffic problems as a light glaze formed on the roads. Numerous automobile accidents were reported, and schools either closed or opened two hours late on the 9th.

MDZ002>006-011-013>014

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Southern Baltimore - Prince Georges - Anne Arundel

10	0100EST	0	0	Extreme Cold/Wind Chill
	1100EST			

Very cold Arctic air settled over Western Maryland, North Central Maryland and the Baltimore Metropolitan area. The minimum temperatures ranged from the single digits to the lower teens, and north winds measured 10 to 15 mph. This produced wind chills on the average of 10 degrees below zero. The City of Baltimore issued a "Code Blue" and opened the Federal Street shelter because of the bitter cold air. There were dozens of cases of broken water mains and pipes.

MDZ002>006-011-013>014

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Southern Baltimore - Prince Georges - Anne Arundel

15	2300EST	0	0	Extreme Cold/Wind Chill
16	1100EST			

A fast moving storm system brought light snow to the region on the 14th and 15th. Western Maryland counties received one to two inches of snow, while only a trace of snowfall was reported in North Central Maryland, the Baltimore Metropolitan area, and Lower Southern Maryland. There was some very cold air behind this system. Minimum temperatures across the region were in the single digits and teens. Strong northwest and west winds (20 to 25 mph with gusts to 35 mph) produced wind chills of 5 to 10 below zero on the night of the 15th and the early morning of the 16th. On a different note the winds also downed power lines in Baltimore County. Reports from a local power company show 5 thousand customers in the eastern part of Baltimore County were without heat and electricity for about 3 hours during this cold spell.

MDZ002>007-011-013>014-016>018

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert

17	1800EST	0	0	Winter Weather/Mix
18	1600EST			

Two areas of low pressure merged over the region and produced a wintry mix of snow and freezing rain. Snow amounts from one quarter to two inches were recorded across Maryland from Allegany down to St. Mary's County. There were also reports of ice accumulations up to two tenths inch. Law Enforcement officers and Emergency personnel responded to several automobile accidents.

MDZ002>004

Allegany - Washington - Frederick

23	0500EST	0	0	Extreme Cold/Wind Chill
	1000EST			

An arctic front ushered more cold air into the area on the 22nd and 23rd. Minimum temperatures were in the lower to mid teens. Strong north winds of 15 to 25 mph with gusts near 30 mph helped to produce wind chills of 5 to 10 below zero.



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

MARYLAND, Central

MDZ002

Allegany

23	0500EST				0	0			Extreme Cold/Wind Chill
	1000EST								

An arctic front ushered more cold air into the area on the 22nd and 23rd. Minimum temperatures were in the lower to mid teens. Strong North winds of 15 to 25 mph with gusts near 30 mph helped to produce wind chills of 5 to 10 below zero.

MDZ002>005

Allegany - Washington - Frederick - Carroll

23	1900EST				0	0			Winter Storm
	1200EST								

An area of low pressure developed over the Lower Great Lakes brought more snow to the region on the 23rd and the 24th. The low tracked across West Virginia, Virginia and Maryland. Snowfall totals were highest along the Maryland/Pennsylvania border. Five to six inches of snow was reported across North Central and Western Maryland. Lesser amounts of 2 to 3 inches were recorded in Harford, Northern Baltimore, Southern Baltimore and the City of Baltimore.

MDZ002>007-009>011-013>014

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel

25	1200EST				1	0			Winter Storm
	1000EST								

An area of low pressure developed off the coast of North Carolina and moved north. This storm produced widespread snow, sleet and freezing drizzle over the region. Six to eight inches of snow fell across Maryland from Allegany to Anne Arundel County. The snow mixed with sleet and finally changed over to freezing drizzle before tapering off. A Harford County man died on the 26th after being struck by an automobile as he cleared his driveway. Several other accidents with minor injuries were reported to Emergency Operations Centers. Many school districts closed due to the inclement weather. M57OU

MDZ016>018

Charles - St. Mary'S - Calvert

25	1200EST				0	0			Winter Weather/Mix
	1000EST								

An area of low pressure developed off the coast of North Carolina and moved north. This system produced widespread snow, sleet and freezing drizzle over the region. Three to four inches of snow fell over Lower Southern Maryland. The snow mixed with sleet and finally changed over to freezing drizzle before tapering off. Several other minor accidents occurred according to Emergency Operations Centers. Most school districts closed.

MDZ002-006

Allegany - Northern Baltimore

26	1530EST				0	0			Winter Storm
	2230EST								

An area of low pressure moved across the region on the 26th and 27th. This storm produced a second round of freezing rain and snow. Five additional inches of snow fell across Allegany County in Western Maryland. Further east one quarter inch of ice accumulated in Northern Baltimore. Due to the inclement weather, Federal agencies in the Washington DC Metropolitan area closed three hours early on the 27th. Several minor accidents were blamed on the ice as well as scattered power outages. 70,000 customers in Maryland were without power at some point in the storm. Some schools were closed again on the 27th.

MDZ005-007-009>011

Carroll - Harford - Montgomery - Howard - Southern Baltimore

26	1530EST				1	0			Winter Weather/Mix
	2230EST								

An area of low pressure moved across the region on the 26th and 27th. This system produced a second round of freezing rain and snow. One to two additional inches of snow fell across the Baltimore Metropolitan area as well as one tenth inch of ice. Ice covered



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

MARYLAND, Central

sidewalks and roadsides were blamed for the death of a pedestrian near Baltimore City. The man was struck and killed by a vehicle as he walked in the street because the sidewalks were slick and dangerous. Scattered power outages and other minor injuries were also blamed on the ice. Federal agencies in the Washington DC Metropolitan area closed three hours early on the 27th due to the inclement weather. Schools were closed again on the 27th.

M52OU

MDZ007

Harford

28	1200EST				0	0	7.5K		Strong Wind (EG35)
-----------	----------------	--	--	--	----------	----------	-------------	--	---------------------------

High winds and ice laden power lines led to wide spread outages across Harford County on the 28th. Nearly 70 thousand customers were without power. Wind gusts up to 40 mph were reported across Northeast Maryland. Emergency shelters were opened, and power was finally restored late in the evening

MDZ002>007

Allegany - Washington - Frederick - Carroll - Northern Baltimore - Harford

31	0300EST				0	0			Extreme Cold/Wind Chill
-----------	----------------	--	--	--	----------	----------	--	--	--------------------------------

Very cold arctic air combined with strong Northwest winds to produce dangerous wind chills. Minimum temperatures were in the lower teens. Wind speeds averaged 20 mph. Gusts of 30 mph were observed. This produced wind chill values of five to ten degrees below zero.

VIRGINIA, North

VAZ021-025>026-036>038-042-053>055

Highland - Augusta - Rockingham - Nelson - Albemarle - Greene - Loudoun - Fairfax - Arlington - Stafford

08	1700EST				0	0			Winter Weather/Mix
09	1700EST								

An area of low pressure tracked across Central and Northern Virginia on the 8th and 9th. This system produced one to two inches of snow across the Shenandoah Valley and the Central Foothills of Virginia. Other areas of Northern Virginia reported a half inch or less of snow. This light snow caused widespread traffic problems. Numerous automobile accidents were reported, and schools either closed on Friday the 9th or opened two hours late.

VAZ042-053>055-057

Loudoun - Fairfax - Arlington - Stafford - King George

10	0100EST				0	0			Extreme Cold/Wind Chill
-----------	----------------	--	--	--	----------	----------	--	--	--------------------------------

Very cold Arctic air settled over the portions of Northern Virginia. The minimum temperatures ranged from the lower teens to the digits, and north winds averaged 10 to 15 mph. This produced wind chills on the average of 10 degrees below zero. There were dozens of cases of broken water mains and water pipes due to the extremely cold temperatures.

VAZ042-053>054

Loudoun - Fairfax - Arlington

15	2300EST				0	0			Extreme Cold/Wind Chill
-----------	----------------	--	--	--	----------	----------	--	--	--------------------------------

A fast moving storm system brought light snow to the region on the 14th and 15th. Most areas of Northern Virginia only received a trace of snowfall. However, there was some very cold air behind this system. Minimum temperatures across the region were in the single digits and teens. Strong northwest and west winds (20 to 25 mph with gusts to 35 mph) produced wind chills of 5 to 10 below zero on the night of the 15th and the early morning of the 16th

VAZ042-053>054

Loudoun - Fairfax - Arlington

17	1800EST				0	0			Winter Weather/Mix
-----------	----------------	--	--	--	----------	----------	--	--	---------------------------

Two areas of low pressure merged over the region to produce a mix of snow and freezing rain on the 17th and 18th. Snowfall



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons	Estimated Damage	Character of Storm
					Killed	Property	Crops

VIRGINIA, North

amounts from one quarter to one inch were recorded in Northern Virginia. Ice accumulations of one tenth inch were also reported. Several automobile accidents occurred when motorists lost control of their vehicles when they encountered glazed pavements.

VAZ028

Frederick

23 1900EST
24 1200EST

0 0

Winter Storm

An area of low pressure developed over the Lower Great Lakes and brought more snow to the region on the 23rd and 24th. The low tracked across West Virginia, Virginia and Maryland. Five inches of snow was reported across Northern Frederick County.

**VAZ021-025>031-
037>038-040>042-053>054**

**Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Albemarle - Greene -
Rappahannock - Fauquier - Loudoun - Fairfax - Arlington**

25 1200EST
26 1000EST

1 0

Winter Storm

An area of low pressure developed off the coast of North Carolina and tracked north. This storm produced widespread snow, sleet and freezing drizzle over the region. Five to six inches of snow fell over Northern and Central Virginia. The snow mixed with sleet and finally changed over to freezing drizzle before tapering off. A man died in Fairfax County when his vehicle slammed into the back of a snow plow. Several other minor accidents occurred according to Emergency Operations Centers. Dozens of school districts closed.

M43VE

**VAZ036-039-050>051-
055>057**

Nelson - Madison - Orange - Culpeper - Stafford - Spotsylvania - King George

25 1200EST
26 1000EST

0 0

Winter Weather/Mix

An area of low pressure developed off the coast of North Carolina and tracked north. This storm produced widespread snow, sleet and freezing drizzle over the region. Two to four inches of snow fell over the Central Foothills and the Northern Piedmont of Virginia. The snow mixed with sleet and finally changed over to freezing drizzle before tapering off. Several other minor accidents occurred according to Emergency Operations Centers. Dozens of school districts closed.

VAZ042-053>054

Loudoun - Fairfax - Arlington

26 1530EST
27 2230EST

2 0

Winter Weather/Mix

An area of low pressure moved across the area on the 26th and 27th. This low produced a second round of freezing rain and snow across the region. Due to the inclement weather Federal agencies in the Washington DC Metropolitan area closed three hours early on the 27th. Two fatalities were reported in Loudoun County from separate automobile accidents. The motorists died when their vehicles rear ended snow plows. Other less severe injuries were also blamed on the ice, along with scattered power outages and breaks in natural gas services. Some schools were closed again on the 27th.

M45VE, M38VE

VAZ042

Loudoun

31 0300EST
1000EST

0 0

Extreme Cold/Wind Chill

Very cold arctic air combined with strong Northwest winds to produce dangerous wind chills. Minimum temperatures were in the lower teens. Wind speeds averaged 20 mph. Gusts of 30 mph were observed. This produced wind chill values of five to ten degrees below zero.



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

WEST VIRGINIA, East

WVZ054	Pendleton	08 1700EST 09 1400EST			0	0			Winter Weather/Mix
<p>An area of low pressure tracked across Southern West Virginia and Central Virginia on the 8th and 9th. This system produced an inch of snow or less across the Panhandle of Eastern West Virginia and one to two inches of snow across portions of Northern Virginia. The small amounts of snow caused widespread traffic problems. Numerous automobile accidents were reported.</p>									
WVZ051>053	Morgan - Berkeley - Jefferson	10 0100EST 1100EST			0	0			Extreme Cold/Wind Chill
<p>Very cold Arctic air settled over the portions of Northern and Central Virginia. The minimum temperatures were in the lower teens and single digits with North winds averaging 10 to 15 mph. This produced wind chills on the average of 10 degrees below zero. There were dozens of cases of broken water mains and pipes due to the extremely cold temperatures.</p>									
WVZ051>053	Morgan - Berkeley - Jefferson	15 2300EST 16 1100EST			0	0			Extreme Cold/Wind Chill
<p>A fast moving storm system brought light snow to the region on the 14th and 15th. The Eastern Panhandle of West Virginia only received one half to an inch of snowfall. There was some very cold air behind this system. Minimum temperatures across the region were in the single digits and teens. Strong northwest and west winds (15 to 20 mph with gusts to 30 mph) produced wind chills of 5 to 10 below zero on the night of the 15th and the early morning of the 16th.</p>									
WVZ051>053	Morgan - Berkeley - Jefferson	17 1800EST 18 1600EST			0	0			Winter Weather/Mix
<p>Two areas of low pressure merged over the region to produce a mix of snow and freezing rain. Snow amounts of two to three inches were recorded over the Panhandle of Eastern West Virginia. There were also reports of ice accumulations up to two tenths incl.</p>									
WVZ052	Berkeley	23 0500EST 1000EST			0	0			Extreme Cold/Wind Chill
<p>An arctic front ushered more cold air into the area on the 22nd and 23rd. Minimum temperatures were in the lower to mid teens. Strong north winds of 15 to 25 mph with gusts near 30 mph helped to produce wind chills of 5 to 10 degrees below zero.</p>									
WVZ048>053	Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson	23 1900EST 24 1200EST			0	0			Winter Storm
<p>An area of low pressure developed over the Lower Great Lakes and brought more snow to the region on the 23rd and the 24th. The low tracked across West Virginia, Virginia and Maryland. Snowfall amounts across Eastern West Virginia averaged five to seven inches.</p>									
WVZ048>055	Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy	25 1200EST 26 1000EST			0	0			Winter Storm
<p>An area of low pressure developed off the coast of North Carolina on the 25th and 26th. This storm produced widespread snow, sleet and freezing drizzle over the region. Five to seven inches of snow fell across Eastern West Virginia. The snow mixed with sleet and finally changed over to freezing drizzle before tapering off. Several accidents with minor injuries were reported to</p>									



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2004

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

WEST VIRGINIA, East

Emergency Operations Centers. Many school districts closed due to the inclement weather.

WVZ049

Mineral

26 1530EST
27 2230EST

0 0

Winter Storm

A weak area of low pressure moved across the region on the 26th. This low produced a second round of snow and freezing rain on the 27th. An additional five inches of snow fell in Mineral County.

WVZ051>053

Morgan - Berkeley - Jefferson

31 0300EST
1000EST

0 0

Extreme Cold/Wind Chill

Very cold arctic air combined with strong northwest winds to produce dangerous wind chills. Minimum temperatures were in the lower teens. Wind speeds averaged 20 mph. Gusts of 30 mph were observed. This produced wind chill values of five to ten degrees below zero.