



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2003

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
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DISTRICT OF COLUMBIA

DCZ001	District Of Columbia								
	05	0600EST 1900EST			0	0			Winter Weather/Mix

A weak area of low pressure moved through the region on the 5th. It dropped around 3 inches of snow on the District between 6 AM and 7 PM. The snow caused roads and bridges to become very slippery. Several traffic accidents were reported across the metropolitan area.

MARYLAND, Central

MDZ002>004-009	Allegany - Washington - Frederick - Montgomery								
	01	1520EST 2200EST			0	0			Flood

Heavy rainfall during the afternoon and evening of the 1st caused flooding across Western and North Central Maryland. In Allegany County, high water caused basement flooding and a handful of mud slides and rock slides. In Cumberland, a total of 1.30 inches of rain was recorded. In Washington County, State Route 63 and Highway 40 were flooded near Hagerstown. Rainfall totals included 1.80 inches of rain in Smithsburg, 1.54 inches in Sharpsburg, and 1.48 inches in Williamsport. In Frederick County, 2 to 3.5 inches of rain fell. A total of 3.4 inches was recorded at the Frederick Municipal Airport. Flooding occurred on Interstate 70 one mile east of the Monocacy River. Other flooded roads included Opossumtown Pike at Bloomsfield Road, Willowbrook Road, Ball Road at Reels Mill Road, Hollow Road at Alt. Route 40, and Blacks Mill Road at Hessong Bridge Road. The storm also downed a tree onto a power line in Thurmont along Route 15. In Montgomery County, about 2.5 inches of rain fell in the Poolesville area. Route 28 was closed by high water near town. An observer in Damascus reported a total of 1.71 inches.

MDZ003>004-004-009	Washington - Frederick - Montgomery								
	01	1845EST			0	0			Flood
	03	0600EST							

Heavy rainfall on the 1st caused minor flooding on rivers and creeks in Central and Western Maryland. In Montgomery County, Seneca Creek near Dawsonville reached 8.55 feet. Flood stage is 7.5 feet. Low lying areas right along the river were covered by water. In Frederick County, the Potomac River at Point of Rocks rose to 16.22 feet. Flood stage is 16 feet. A low water road in Point of Rocks was flooded. Several boat ramps in the Chesapeake and Ohio Canal National Historical Park were inundated by water. In addition, the Monocacy River in Frederick reached a stage of 15.17 feet. Flood stage is 15 feet. A fish hatchery and sewage treatment plant near the river gauge experienced minor flooding. A portion of Gashouse Pike was covered by water. In Buckeystown, Michaels Mill Road was closed by Monocacy River overflow. South of Thurmont, the Monocacy River flooded Creagerstown Park off Route 550. Back water flooding was also reported along Carroll Creek near Frederick and Little Hunting Creek near Thurmont. In Washington County, Conococheague Creek reached a stage of 10.3 feet. Flood stage is 8 feet. Wishard, Independence, and Crees Pond roads were flooded by the creek. In Hagerstown, West Memorial Boulevard was temporarily flooded.

MDZ002	Allegany								
	03	0200EST 2200EST			0	0			Winter Weather/Mix

An upper level disturbance dropped light snow across Allegany County between 2 AM and 10 PM on the 3rd. Snowfall totals included 5.1 inches in Frostburg and 5.5 inches in Eckert Mines. Two inches or less were reported from Cumberland eastward.

MDZ003-005>007-010>011-013>014	Washington - Carroll - Northern Baltimore - Harford - Howard - Southern Baltimore - Prince Georges - Anne Arundel								
	05	0600EST 1900EST			0	0			Winter Weather/Mix



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					Killed	Injured	Property
							Crops

MARYLAND, Central

MDZ004-009

Frederick - Montgomery

05	0600EST				0	0	
	1900EST						Winter Storm

A weak area of low pressure moved through the region on the 5th. It dropped 2 to 5 inches of snow across Central and Western Maryland between 6 AM and 7 PM. The snow caused roads to become very slippery and hundreds of traffic accidents were reported. In Montgomery County, two people were killed in a car crash near Olney. In Washington County, a 19 year old woman was killed when her car crashed into a tree. In Baltimore County, a 19 car pileup and a 35 car pileup were reported on Interstate 695. In Frederick County, a man was seriously injured when he was struck by a fire truck that slid down a steep hill in Braddock Heights

MDZ002

Allegany

08	2200EST				0	0	
	0800EST						5K High Wind (G50)

MDZ003>004-009

Washington - Frederick - Montgomery

08	2200EST				0	0	
	0800EST						1.5K Strong Wind

A rare downslope wind event similar to "Chinook Winds" experienced east of the Rockies occurred just east of the Appalachian Mountain ridges early on the 9th. Winds between 40 and 60 MPH blew down the east side of the mountains and numerous trees and power lines were downed. In Allegany County, a wind gust of 58 MPH was recorded in Cumberland. A billboard in town was toppled. Several trees and power lines were downed countywide. In few rural areas, trees blocked roads. In Washington County, measured wind gusts included 51 MPH in Hagerstown and 49 MPH at Williamsport. Scattered tree limbs were downed. In Frederick County, a wind gust of 43 MPH was recorded in Frederick. Tree limbs were downed near Brunswick. Wires were downed in Walkersville and Mt. Pleasant. In Montgomery County, measured wind gusts included 45 MPH in Clarksburg and 41 MPH in Gaithersburg.

MDZ002

Allegany

10	0000EST				0	0	
	0200EST						Winter Weather/Mix

An upper level disturbance dropped 4 inches of snow west of Cumberland between midnight on the 10th and 2 AM on the 11th. In Frostburg, 3.7 inches was recorded. An observer in Eckert Mines recorded 4.0 inches. Less than an inch of snow fell in Cumberland.

MDZ017

St. Mary'S

16	1400EST				0	0	
	0200EST						Winter Storm

Low pressure moving just south of the region brought light snow to Southern Maryland between the afternoon of the 16th and the early morning hours of the 17th. In St. Mary's County, snowfall totals ranged from 2 inches in the northern part of the county to just over 5 inches at the southern tip. Snowfall totals included 5.2 inches at Ridge, 3 inches in Hollywood, and 2 inches in Leonardtown. Two inches or less fell across the rest of Southern Maryland. In Prince George's County, someone shoveling snow in Fort Washington died of a heart attack.

MDZ002

Allegany

20	0000EST				0	0	
	1500EST						Winter Weather/Mix

An upper level disturbance dropped 2-5 inches of snow west of Cumberland between midnight and 3 PM on the 20th. Snowfall reports included 5 inches at Eckert Mines, 4.3 inches in Frostburg, and 4 inches in Westernport. Less than an inch of snow fell in Cumberland.



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VIRGINIA, North

**VAZ027-029>030-038-042- Shenandoah - Page - Warren - Greene - Loudoun - Fairfax
053**

	01	1450EST 2000EST			0	1			Flood
Albemarle County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Augusta County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Augusta County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Madison County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Nelson County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Rappahannock County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Rockingham County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain
Rockingham County									
Countywide	01	1500EST 2000EST			0	0			Heavy Rain

Low pressure moved from southwest Virginia to the southern Delmarva Peninsula on the 1st. The low dropped 1 to 3 inches of rainfall across the region which caused flooding in several locations. In Greene County, a 31 year old woman was injured when her SUV was washed into the Swift Run River. She was washed 30 feet downstream and it took rescuers 90 minutes to reach her. Several other roads in the county were flooded by high water. In Shenandoah County, urban flooding was reported. Several roads were closed by high water across the county. In Warren County, two roads were covered by high water. In Page County, high water covered several roads in Shenandoah and Luray. Route 603 was also flooded. In the central portion of the county, one road was partially washed out. In Loudoun County, high water covered Route 50 and Belmont Ridge Road southeast of Leesburg. Two people had to be rescued from flood waters in Leesburg. Widespread flooding of low lying areas and basements was also reported countywide. In Fairfax County, high water covered Centreville Road.

VAZ021-025>031-037>041-050>052 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Albemarle - Greene - Madison - Rappahannock - Fauquier - Orange - Culpeper - Prince William

05	0600EST 1900EST	0	0	Winter Weather/Mix
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VAZ042-053>054

Loudoun - Fairfax - Arlington

05	0600EST 1900EST	0	0	Winter Storm
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A weak area of low pressure moved through the region on the 5th. It produced light snow across the northern half of Virginia between 6 AM and 7 PM. Snowfall totals ranged from 1.5 to 3 inches except in Loudoun, Fairfax, Fauquier, and Prince William counties where 4 to 6 inches was reported. The snow caused roads to become very slippery and numerous traffic accidents were reported. In Warren County, a 70 year old woman died in a crash on Route 522.



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VIRGINIA, North

VAZ021-025>031-036>040 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock

08	2200EST								
09	0800EST			0	0				High Wind (G63)

A rare downslope wind event similar to "Chinook Winds" experienced east of the Rockies occurred just east of the Appalachian Mountain ridges early on the 9th. Winds between 40 and 70 MPH blew down the side of the mountain and numerous trees and power lines were downed. In Augusta County, downed trees blocked the intersection of routes 11 and 654 and along Route 730. In Nelson County, numerous trees were downed along Route 151 and a downed tree blocked Route 666. In Albemarle County, scattered trees were downed. A wind gust of 52 MPH was recorded in Crozet. In Rockingham County, a wind gust of 72 MPH was recorded in Harrisonburg. In Madison County, scattered trees were downed. In Rappahannock County, trees were downed onto routes 628 and 603. In Shenandoah County, scattered trees were downed. A 41 MPH gust was recorded in Woodstock. In Clarke County, trees were downed across the western portion of the county. In Frederick County, trees and power lines were downed west of I-81. A storm door was ripped from a home in Stephens City. The airport in Winchester recorded a gust of 45 MPH.

WEST VIRGINIA, East

WVZ052>053

Berkeley - Jefferson

02	0500EST								
03	0130EST			0	0				Flood

Heavy rainfall on the 1st caused minor flooding on rivers and creeks in Berkeley and Jefferson counties. In Martinsburg, the Opequon Creek reached a stage of 11.41 feet. Flood stage is 10 feet. Culverts along the creek flooded. In Shepherdstown, the Potomac River reached a stage of 16.57 feet. Flood stage is 15 feet. The road to a housing development was flooded and several other low lying areas along the river were inundated by water.

WVZ048-050>055

Grant - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy

05	0600EST								
	1900EST			0	0				Winter Weather/Mix

A weak area of low pressure moved through the region on the 5th. It dropped 2 to 4 inches of snow across the Eastern Panhandle between 6 AM and 7 PM. The snow caused roads to become very slippery and a handful of traffic accidents were reported.

WVZ048>049

Grant - Mineral

08	0000EST								
	0800EST			0	0	2.1K			Strong Wind

A strong low pressure system just east of the region produced strong winds in the higher elevations of Grant and Mineral counties during the early morning hours of the 8th. In Mineral County, a wind gust of 54 MPH was recorded at 1:35 AM. In Grant County, the gusty winds damaged a utility pole and small building in Petersburg.

WVZ048>052-054>055

Grant - Mineral - Hampshire - Morgan - Berkeley - Pendleton - Hardy

08	2200EST								
09	0800EST			0	0				High Wind (G58)

WVZ053

Jefferson

08	2200EST								
09	0800EST			0	0	0.10K			Strong Wind

A rare downslope wind event similar to "Chinook Winds" experienced east of the Rockies occurred just east of the Appalachian Mountain ridges early on the 9th. Winds between 40 and 70 MPH blew down the east side of the mountains and numerous trees and power lines were downed. In Pendleton County, a tree was downed onto a house in Upper Tract. In Grant County, a carport was blown off a trailer home in Petersburg. Several trees and power lines were also downed across the county. In Hardy County, trees and power poles were downed in and around Moorefield. In Hampshire County, a tree was downed near the Mineral County line. In Mineral County, a wind gust of 67 MPH was recorded at the top of a 75 foot tower near Keyser. At the ground, a wind gage in Keyser reported a wind gust of 55 MPH. Hundreds of trees and several power lines were downed countywide. Trees blocked several



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WEST VIRGINIA, East

roads and a few windows and storm doors were shattered by wind blown debris. A total of 3300 county customers lost power as a direct result of the wind. In Morgan County, a few trees were downed. In Berkeley County, measured wind gusts included 53 MPH in Martinsburg and 46 MPH in Falling Waters. Multiple trees were downed countywide. In Jefferson County, a wind gust of 42 MPH was recorded at Shepherdstown. Large tree limbs were downed.