



National Weather Service

Storm Data and Unusual Weather Phenomena



November 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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ATLANTIC NORTH

ANZ532 4 SE Annapolis	Chesapeake Bay Sandy Pt To N Beach Md	13	0750EST		0	0			Marine Tstm Wind (MG42)
ANZ531 Millers Island	Chesapeake Bay Pooles Is To Sandy Pt Md	19	1430EST		0	0			Marine Tstm Wind (MG36)
ANZ535 Washington Dc	Tidal Potomac Key Bridge To Indian Hd Md	19	1430EST		0	0			Marine Tstm Wind (MG35)
ANZ532 North Beach	Chesapeake Bay Sandy Pt To N Beach Md	19	1436EST		0	0			Marine Tstm Wind (MG40)
A line of strong to severe thunderstorms moved across the Potomac and the Bay on the 19th. These storms were ahead of a strong cold front. The storms produced gusty winds and periods of heavy downpours.									
ANZ531 Tolchester Beach	Chesapeake Bay Pooles Is To Sandy Pt Md	24	1959EST		0	0			Marine Tstm Wind (MG40)
ANZ532 North Beach	Chesapeake Bay Sandy Pt To N Beach Md	24	2000EST		0	0			Marine Tstm Wind (MG36)
ANZ534 Solomons Island	Chesapeake Bay Drum Pt To Smith Pt Va	24	2027EST		0	0			Marine Tstm Wind (MG35)
ANZ534 Patuxent River Nas	Chesapeake Bay Drum Pt To Smith Pt Va	24	2030EST		0	0			Marine Tstm Wind (MG39)
ANZ533 12 E Plum Pt to Plum Pt	Chesapeake Bay N Beach To Drum Pt Md	24	2030EST		0	0			Marine Tstm Wind (MG38)
ANZ537 Lewisetta	Tidal Potomac Cobb Is Md To Smith Pt Va	24	2042EST		0	0			Marine Tstm Wind (MG39)
A strong cold front moved through the region on the 24th. A few thunderstorms preceded the front with stronger winds behind the front.									
ANZ534 Patuxent River Nas	Chesapeake Bay Drum Pt To Smith Pt Va	24	2030EST		0	0			Marine Tstm Wind (MG39)
ANZ531 Millers Island	Chesapeake Bay Pooles Is To Sandy Pt Md	28	1745EST		0	0			Marine Tstm Wind (MG36)
ANZ534 10 NE Point Lookout	Chesapeake Bay Drum Pt To Smith Pt Va	28	1930EST		0	0			Marine Tstm Wind (MG48)
ANZ534 11 N Crisfield	Chesapeake Bay Drum Pt To Smith Pt Va	28	2000EST		0	0			Marine Tstm Wind (MG36)
Scattered showers and thunderstorms developed ahead of a cold front that was moving through the region on the 28th. Some of the storms produced some strong winds as the front accelerated across the Potomac River and the Chesapeake Bay.									
ANZ534 Point Lookout	Chesapeake Bay Drum Pt To Smith Pt Va	28	1915EST		0	0			Marine Tstm Wind (MG43)

DISTRICT OF COLUMBIA

DCZ001	District Of Columbia	13	0400EST 1700EST		0	2	5K		Strong Wind (MG43)
A strong cold front moved through the region early on the 13th, leaving frigid temperatures and strong winds. Widespread damage due to downed trees and power lines were reported throughout the District of Columbia. Two men were injured when debris from a torn roof fell on them.									



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					Killed	Injured	Property	Crops	

DISTRICT OF COLUMBIA

District Of Columbia

Countywide	19	1800EST 2000EST			0	0			Flash Flood
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Some streets were closed due to high, standing water.

A line of strong to severe thunderstorms moved across the region on the 19th. These storms preceded a cold front and produced gusty, damaging winds and heavy rainfall. Rainfall amounts averaged 2 to 4 inches. Some streets in and around the District were closed due to high water.

MARYLAND, Central

MDZ009

Montgomery

05	0500EST 1000EST				0	0			Dense Fog
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Dense fog caused a 19 car pile up on Interstate-70 near Woodbine Road

Montgomery County

Poolesville	05	1500EST			0	0			Lightning
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Four people were affected by lightning while on a golf course in Poolesville. Only the caddy was hospitalized for being struck by lightning. The others were checked on the site because they felt a tingling sensation.

Montgomery County

Poolesville	05	1510EST 1515EST	4	75	0	0	0.50K		Tornado (F0)
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A weak tornado entered Montgomery County, Maryland from Loudoun County, Virginia. The tornado tracked across mostly rural areas near Turtle Run Campgrounds, just southwest of Poolesville.

Montgomery County

Boys	05	1515EST 1517EST	3	75	0	0	200K		Tornado (F1)
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A tornado moved from just west of Poolesville to the Rickman Horse Farm Complex to near Boyds.

Montgomery County

Poolesville	05	1515EST			0	0	10K		Thunderstorm Wind (EG52)
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The roof was blown off a house.

Montgomery County

Germantown	05	1517EST 1525EST	7	100	0	0	1M		Tornado (F1)
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A tornado moved into western Germantown and caused widespread damage.

A tornadic thunderstorm produced a pair of weak tornadoes across Northern Virginia before crossing into Maryland on the 5th. Once in Maryland the tornadoes cycled across a 14 mile path from just southwest of Poolesville to Germantown. Substantial damage was done to permanent structures and dozens of trees at the Rickman Horse Farm Complex near Bucklodge and Moore Roads. Homes were also damaged near Boyds, with the storm finally moving into Western Germantown where it produce widespread tree damage and major damage to several town homes in the Kingsville Ridge, North Germantown, and Germantown Estates subdivisions.



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MARYLAND, Central

Howard County

2 E Columbia	05	1555EST			0	0	0.25K		Thunderstorm Wind (MG50)
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A very large tree was knocked down.

Baltimore City (C)

Baltimore	05	1615EST			0	0	0.25K		Thunderstorm Wind (MG50)
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Large tree downed.

Anne Arundel County

Countywide	05	1620EST			0	0	2K		Thunderstorm Wind (EG50)
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Trees downed across the county.

Montgomery County

Bethesda	05	1730EST 1930EST			0	0			Flash Flood
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Sections of roads flooded.

A line of strong to severe thunderstorms developed ahead of an approaching cold front on the 5th and caused widespread wind damage and some flash flooding from Northern Virginia to Eastern Maryland. Flash flooding was reported on Beech Drive in Bethesda. Over 2 inches of rain fell in some locations.

MDZ002>007-009>011-014-016>018

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

13	0400EST 1700EST				0	1	231K		Strong Wind (EG43)
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A strong cold front moved through the region early on the 13th, leaving frigid temperatures and strong winds. Widespread damage due to downed trees and power lines resulted. In Prince Georges County, one fatality was reported in Hyattsville when a wall at a construction site collapsed and pinned a worker underneath it. A second wall collapsed in Bowie at a department store. The strong winds also overturned an empty trailer truck in Anne Arundel County. The driver had minor injuries. Another truck was also overturned in Frederick County on US Highway 15. A large recreational/housing tent (26,000 sq ft) was destroyed at Fort Meade. The tent was valued at 150,00 dollars. Later a crane was blown off the Woodrow Wilson Bridge and onto a barge in the Potomac River. No injuries were reported from the crane incident and the damage was superficial. At the height of the storm about 150,000 homes and business in Maryland were without power.

MDZ013

Prince Georges

13	0400EST 1700EST				1	0	70K		Strong Wind (EG43)
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M34OU

Allegany County

Westernport	19	1130EST 1330EST			0	0			Flash Flood
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A few roads closed due to high water.

Carroll County

Uniontown	19	1245EST			0	0	7K		Thunderstorm Wind (EG50)
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A tree fell on a portable classroom at Carroll High School.

Carroll County

Eldersburg	19	1320EST			0	0	0.25K		Thunderstorm Wind (EG50)
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Large tree downed.

Harford County

Fallston	19	1425EST			0	0	0.50K		Thunderstorm Wind (MG50)
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Downed trees.



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MARYLAND, Central

Harford County

Fallston	19	1500EST			0	0			Funnel Cloud
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A funnel cloud was spotted by an off duty law enforcement officer.

Montgomery County

Germantown	19	1600EST 2100EST			0	0			Flash Flood
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Parking lots and garages flooded.

Montgomery County

Poolesville	19	1600EST 2000EST			0	0			Flash Flood
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Several vehicles were trapped in water.

Frederick County

Countywide	19	1700EST 2000EST			0	0			Flash Flood
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Numerous roads closed due to high water.

Howard County

Columbia	19	1800EST 2100EST			0	0			Flash Flood
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Numerous roads closed due to high water.

Harford County

Bel Air	19	1820EST 2100EST			0	0			Flash Flood
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A few side roads flooded.

A line of strong to severe thunderstorms moved across the region on the 19th. These storms preceded a cold front and produced gusty, damaging winds and heavy rainfall. Rainfall amounts averaged 2 to 4 inches. Widespread power outages were reported due to downed trees and power lines. The heavy rainfall led to flash flooding across the Potomac Highlands and Northeast and Central Maryland. Four deaths were attributed to flooding in Baltimore City. A student drowned after falling into Herring Run Creek and three workers were washed away while working in a storm drain. Emergency and rescue officials also had to perform swift water rescues for vehicles trapped in high water in Poolesville. Several cars were flooded in the Germantown area.

Baltimore City (C)

Baltimore	19	1417EST 1900EST			4	0			Flash Flood
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Creeks and roads were flooded.

M110U, M220U, M340U, M300U

VIRGINIA, North

Fauquier County

Upperville	05	1448EST			0	0	0.50K		Thunderstorm Wind (MG52)
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A tree and power lines down at Route 50 and Green Garden Road.

Fairfax County

Vienna	05	1700EST 1930EST			0	0			Flash Flood
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Flooded streams and roads lead to water rescues.

Loudoun County

Arcola	05	1700EST 1930EST			0	0			Flash Flood
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Roads closed due to flooding.



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VIRGINIA, North

Loudoun County

Leesburg	05	1700EST 1930EST			0	0			Flash Flood
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Sporadic road closures due to flooding.

A line of strong to severe thunderstorms developed ahead of an approaching cold front on the 5th and caused widespread wind damage and some flash flooding from Northern Virginia to Eastern Maryland. Sporadic road closures were reported in Loudoun County and flash flooding led to water rescues in Fairfax County. Some areas received over 2 inches of rain. A new daily record rainfall was reported at Dulles International Airport in Loudoun County for the 5th.

Loudoun County

Purcellville	05	1450EST			0	3	100K		Thunderstorm Wind (MG52)
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Siding on a home was damaged and a shed was blown off its foundation.

Loudoun County

Leesburg	05	1500EST 1504EST	5	75	0	0	200K		Tornado (F0)
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A weak tornado touched down near Dry Mill Road, west of Leesburg and moved east into downtown Leesburg.

Loudoun County

Leesburg	05	1504EST 1508EST	4	75	0	0	200K		Tornado (F0)
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A weak tornado touched down near Route 7 west of Leesburg.

A tornadic thunderstorm moved through Loudoun County during the afternoon of the 5th. Two tornadoes were produced in Northern Virginia. The first tornado touched down just west of Leesburg and moved east into downtown Leesburg. A second path was detected about a quarter mile north of the first. The damage with this storm began near Route 7 west of Leesburg and continued east-northeast for another 50 yards. Several homes were damaged. The storms also produced straight-line wind damage on the south side of Purcellville. A shed was blown off its foundation and a person was injured when a glass table slammed against a deck and shattered. A couple of other minor injuries were reported from flying debris associated with the thunderstorm winds.

VAZ021-025>031-036>042-050>051-053>057 Highland - Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Fairfax - Arlington - Stafford - Spotsylvania - King George

	13	0400EST 1700EST			0	2	1.1M		Strong Wind (EG43)
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A strong cold front moved through the region early on the 13th, leaving behind frigid temperatures and strong winds. Widespread damage due to downed trees and power lines resulted. In Northern Virginia at least two people were injured. In Loudoun county, a student in Sterling was hit by a falling tree while waiting for the school bus, and a Leesburg man was struck by a large falling tree limb. A tractor trailer truck was overturned on Highway 81 in Shenandoah county. The driver was not injured. A poultry house was completely destroyed in Harrisonburg, and a bill board was blown down at the Winchester Regional Airport. At the height of the storm about 150,000 homes and business in Northern Virginia were without power.

VAZ021

Highland	13	0400EST 1700EST			0	0	3K		Strong Wind (EG43)
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VIRGINIA, North

Augusta County

Craigsville	19	1100EST 1400EST			0	0			Flash Flood
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Numerous roads closed.

Augusta County

4 S Hermitage	19	1100EST 1500EST			0	0			Flash Flood
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Roads closed on the east side of town.

Albemarle County

Northwest Portion	19	1200EST 1500EST			0	0			Flash Flood
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Few roads closed due to standing water.

Charlottesville (C)

Charlottesville	19	1200EST 1500EST			0	0			Flash Flood
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Several roads across the city were flooded

Nelson County

Afton	19	1200EST 1600EST			0	0			Flash Flood
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Several roads impassable due to high water, including Route 6.

Rockingham County

Clover Hill	19	1200EST 1500EST			0	0			Flash Flood
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Roads closed due to high water.

Highland County

Monterey	19	1210EST 1600EST			0	0			Flash Flood
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Roads flooded and some bridges washed out.

Winchester (C)

Winchester	19	1245EST 1600EST			0	0			Flash Flood
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Streets closed due to flooding.

Greene County

Standardsville	19	1530EST 1930EST			0	0			Flash Flood
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Water covered roadways and a couple of small bridges.

Loudoun County

Ashburn	19	1630EST 1930EST			0	0			Flash Flood
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Numerous roads closed due to standing water.

Fairfax County

1 NE Franconia	19	1800EST 2000EST			0	0			Flash Flood
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A few streets closed due to high water.

Prince William County

Gainesville	19	1840EST 2000EST			0	0			Flash Flood
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Water covered several roads in the southern part of the county.

A line of strong to severe thunderstorms moved across the region on the 19th. These storms preceded a cold front and produced gusty, damaging winds and heavy rainfall. Rainfall amounts averaged 2 to 4 inches. Widespread power outages were reported due to downed trees and power lines. The heavy rainfall led to flash flooding through much of Northern Virginia



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VIRGINIA, North

Shenandoah County

7 SE Hawkinstown to Hawkinstown **19** **1130EST** **0** **0** **0.50K** **Thunderstorm Wind (EG50)**
Trees downed.

Winchester (C)

Winchester **19** **1130EST** **0** **0** **5K** **Thunderstorm Wind (EG50)**
Roof damaged on drugstore.

Page County

Stanley **19** **1140EST** **0** **0** **1K** **Thunderstorm Wind (EG50)**
Trees and power lines downed.

Clarke County

5 E Berryville to Berryville **19** **1145EST** **0** **0** **2K** **Thunderstorm Wind (EG50)**
Trees down on power lines.

Warren County

3 NE Front Royal **19** **1200EST** **0** **0** **1K** **Thunderstorm Wind (EG50)**
Several trees downed in the Shenandoah Farms area.

Rockingham County

Grottoes **19** **1236EST** **0** **0** **1K** **Thunderstorm Wind (MG50)**
Trees and power lines downed.

Staunton (C)

Staunton **19** **1237EST** **0** **0** **8K** **Thunderstorm Wind (MG50)**
The press box on the Riverhead High School Stadium was torn off.

Fairfax County

Mc Lean **19** **1300EST** **0** **2** **3K** **Thunderstorm Wind (MG50)**
Downed trees and power lines.

Alexandria (C)

Alexandria **19** **1315EST** **0** **0** **2K** **Thunderstorm Wind (MG50)**
Trees downed across roadways with many power outages.

A line of strong to severe thunderstorms moved across the region on the 19th. These storms preceded a cold front and produced gusty, damaging winds and heavy rainfall. Widespread power outages were reported due to downed trees and power lines

WEST VIRGINIA, East

WVZ048>055

Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Pendleton - Hardy
13 **0400EST** **0** **0** **30K** **Strong Wind (MG50)**
1700EST

A strong cold front moved through the region early on the 13th, leaving frigid temperatures and strong winds. Widespread damage due to downed trees and power lines were reported across the Eastern Panhandle of West Virginia

Pendleton County

Upper Track **19** **1015EST** **0** **0** **Flash Flood**
1300EST
Numerous roads closed due to high water.

Mineral County

Keyser **19** **1110EST** **0** **0** **Thunderstorm Wind (MG59)**
A trained spotter measured a 59kt wind gust.



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					Killed	Injured	Property	Crops	

WEST VIRGINIA, East

Berkeley County

Hedgesville	19	1230EST			0	0	0.50K		Thunderstorm Wind (EG50)
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Trees were downed.

Grant County

Masonville	19	1230EST 1600EST			0	0			Flash Flood
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Many side roads were closed due to standing water.

Mineral County

Short Gap	19	1330EST 1600EST			0	0			Flash Flood
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Side roads were flooded.

A line of strong to severe thunderstorms moved across the region on the 19th. These storms preceded a cold front and produced gusty, damaging winds and heavy rainfall. Rainfall amounts averaged 2 to 4 inches. Widespread power outages were reported due to downed trees and power lines. The heavy rainfall led to flash flooding and river flooding

WVZ048-050-052>054

Grant - Hampshire - Berkeley - Jefferson - Pendleton

	19	1300EST			0	0			Flood
	21	1000EST							

Heavy rainfall from the line of thunderstorms that moved through the region on the 19th caused some minor to moderate river flooding along the Potomac River from the 19th through the 21st. The South Branch of the Potomac at Franklin rose 5 feet above bankful. A large portion of Route 220 flooded as well as Snow Mountain Road. Several other roads were also flooded. The South Branch of the Potomac at Petersburg rose 2.5 feet above flood stage. Water inundated a good portion of the south end of town along Route 220. The South Branch of the Potomac at Springfield rose 3 feet above flood stage. Water inundated the meadow land. Opequon Creek rose to bankful stage during this event, and water overflowed the low lying portions of Sulpry Spring Road. The Potomac River at Shepherdstown rose a little above flood stage. The river overflowed low lying areas just down stream of Shepherdstown.