



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

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

District Of Columbia

Countywide	22	1730EST 1900EST			0	0			Heavy Rain
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District Of Columbia

Countywide	22	1830EST			0	0	2K		Thunderstorm Wind
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One tree and a few wires were downed.

A thunderstorm that produced winds in excess of 55 MPH, frequent lightning, and heavy rainfall moved across the District between 6:30 and 8:00 PM EDT on the 22nd. High winds downed a tree and a few power lines across the city. Heavy downpours temporarily flooded the Frederick Douglas Bridge. Rainfall totals ranged from 1.2 inches across Southeast D.C. to 2.9 inches across Northwest D.C.

MARYLAND, Central

Charles County

Bryans Road	05	1500EST			0	0			Hail (0.75)
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Dime sized hail fell.

Scattered thunderstorms developed during the afternoon of the 5th. One thunderstorm that moved through Charles County produced dime sized hail at Bryans Road.

Allegany County

West Portion	18	1600EST 1800EST			0	0			Heavy Rain
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A thunderstorm that moved across Allegany County during the evening of the 18th produced heavy rainfall and small hail. In Frostburg, two basements were flooded and marble sized hail fell. In Westernport, 1.1 inches of rain was recorded in 45 minutes.

Allegany County

Countywide	22	1600EST 1900EST			0	0			Heavy Rain
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Anne Arundel County

Countywide	22	1600EST 1900EST			0	0			Heavy Rain
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Baltimore City (C)

Baltimore	22	1600EST 1900EST			0	0			Heavy Rain
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Howard County

Countywide	22	1600EST 1900EST			0	0			Heavy Rain
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Montgomery County

Countywide	22	1600EST 1900EST			0	0			Heavy Rain
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Prince George'S County

Countywide	22	1600EST 1900EST			0	0			Flash Flood
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A bridge was washed away and several other roads were flooded

Calvert County

Countywide	22	1615EST			0	0	5K		Thunderstorm Wind
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Trees were downed.

St. Mary'S County

Compton	22	1615EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.

St. Mary'S County

Milestown	22	1808EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.



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MARYLAND, Central

Charles County									
Indian Head	22	1815EST			0	0	2K		Thunderstorm Wind
Trees were downed.									
Charles County									
La Plata	22	1820EST			0	0			Thunderstorm Wind (G52)
A wind gust of 60 MPH was estimated.									
Prince George'S County									
Countywide	22	1820EST			0	0	5K		Thunderstorm Wind
Trees and wires were downed.									
Charles County									
Cobb Is to Rock Pt	22	1829EST 1833EST	1.8	100	0	0	30K		Tornado (F1)
A waterspout over the Potomac River came ashore on Cobb Island then dissipated at Rock Point									
Charles County									
Waldorf	22	1830EST			0	0			Hail (1.75)
Golfball sized hail fell.									
Charles County									
Waldorf	22	1830EST			0	0			Thunderstorm Wind (G65)
A wind gust of 75 MPH was reported.									
St. Mary'S County									
Clements	22	1830EST			0	1	40K		Thunderstorm Wind
Trees were downed. On downed tree significantly damaged a mobile home and injured someone inside.									
Calvert County									
Countywide	22	1850EST 1900EST			0	0	2K		Thunderstorm Wind
Trees and power lines were downed onto roads.									
Calvert County									
1 S Solomons	22	1855EST 1858EST	1	50	0	0			Tornado (F0)
A tornado crossed the southern tip of Solomons Island.									
St. Mary'S County									
2 SW St Inigoes	22	1900EST	0.2	50	0	0	1K		Tornado (F0)
A waterspout moved onshore from Smith Creek and damaged a few buildings on the southern portion of Jutland Neck									

Thunderstorms that produced wind gusts in excess of 55 MPH, large hail, heavy downpours, frequent lightning, and isolated tornadoes crossed the area during the afternoon and early evening hours of the 22nd. In St. Mary's County, an F0 tornado, possibly a waterspout that came ashore, crossed the southern tip of Jutland Neck 2 miles southwest of St. Inigoes. The tornado snapped large trees and destroyed a shed just off Smith Creek on Jutland Drive. The tornado was 50 yards wide and was on the ground for 1/4 of a mile. Elsewhere across the county, high winds downed several trees and power lines. Communities affected included Compton, Miles Town, Clements, Ridge, Leonardtown, Morganza, and Hollywood. At the intersection of Chancellors Run Road and Route 235, downed trees blocked the road. In Clements, a large tree was downed onto a mobile home and severely damaged the structure. One person inside the home suffered a minor knee injury. Marble sized hail was reported in Hollywood. Dime sized hail fell at Ridge and Point Lookout. Hail of unknown size fell in Leonardtown. Rainfall totals included 1.91 inches in Hollywood and 1.43 inches in Oraville.

In Charles County, a waterspout that formed over the Potomac River came ashore on Cobb Island. The tornado cut a path across the central portion of the island as it moved northeast. Then it crossed Neale Sound and moved into the community of Rock Point on the mainland before it dissipated. The 100 yard wide tornado was on the ground for 1.8 miles and was ranked as an F1. Numerous trees were downed onto roads, cars, utility lines, and homes. Minor damage was reported to buildings in a three block area around Potomac River Drive. In Waldorf, a wind gust of 75 MPH and golfball sized hail was reported. Trees were downed by high wind in Indian Head and in other locations across the county. In Calvert County, an F0 tornado was spotted by an observer at Patuxent Naval Station and Skywarn spotters crossing the southern tip of Solomon's Island. The tornado was estimated to be 50 yards wide



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MARYLAND, Central

and on the ground for 1 mile before moving offshore and dissipating. A spotter traveling west out of Solomons spotted a wall cloud around the same time. Elsewhere across the county, trees and power lines were downed by high winds. Communities affected included Prince Frederick, Huntingtown, Barstow, and Sunderland. In Prince George's County, trees and power lines were downed. Heavy rain caused a stream to overflow its banks and wash out a low-lying bridge on Iverson Street in Silver Hill. A car was found in the creek after the bridge washed away. Several basements in the vicinity were flooded. In Cheverly, an unoccupied recycling building partially collapsed from water damage. Rainfall totals included 2.13 inches in Oxon Hill, 1.90 inches in Glenn Dale, 1.82 inches at Harry Truman Drive, 1.81 inches in District Heights, and 1.60 inches in South Bowie.

In Anne Arundel County, high winds downed trees in Arnold. After a heavy downpour, water backed up onto the Severn River Bridge. King George Street in Annapolis was closed by high water for 2 hours. Rainfall totals included 2.60 inches in Annapolis, 1.75 inches in Millersville, and 1.53 inches at Baltimore-Washington International Airport. In Montgomery County, minor stream flooding was reported at the intersection of Shady Grove Road and Interstate 370. Flooding was also reported at the intersection of Braddock Road and Interstate 495. Rainfall totals include 2.48 inches at the Potomac Water Filtration Plant, 2.42 inches in Potomac, 2.05 inches in Rockville, 1.82 inches in Olney and Bethesda, and 1.73 inches at Brighton Dam. In Howard County, a total of 2.41 inches of rain fell in Elkridge. In the city of Baltimore, rainfall totals included 1.83 inches at Fort McHenry, 1.80 inches at Inner Harbor, and 1.55 inches at Carroll Park. In Allegany County after a heavy downpour, a spotter reported streams overflowing their banks onto roads and property in Cresaptown and Rawlings. At Savage River Dam in nearby Garrett County, a total of 1.63 inches of rainfall was recorded.

St. Mary'S County

Countywide	25	1400EST 1600EST			0	0			Heavy Rain
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Charles County

2 NE Indian Head to 4 NE Indian Head	25	1426EST 1431EST			0	0			Funnel Cloud
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Charles County

2.5 W Waldorf to 2.5 NW Waldorf	25	1519EST 1522EST	2.7	100	0	0	500K		Tornado (F1)
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A tornado formed just west of Waldorf and moved northeast into Prince George's County

Prince George'S County

Countywide	25	1520EST 1620EST			0	0			Heavy Rain
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Prince George'S County

4 SW Brandywine to 3 SW Brandywine	25	1522EST 1524EST	0.8	100	0	0	25K		Tornado (F1)
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A tornado crossed over the Charles County line and dissipated just southwest of Brandywine

Prince George'S County

Brandywine	25	1528EST			0	0			Funnel Cloud
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Prince George'S County

Andrews Afb	25	1532EST			0	0			Thunderstorm Wind (G55)^M
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A wind gust of 63 MPH was recorded.

Prince George'S County

Camp Spgs	25	1535EST			0	0			Funnel Cloud
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Anne Arundel County

Countywide	25	1545EST 1645EST			0	0			Heavy Rain
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Prince George'S County

Bowie	25	1550EST			0	0			Funnel Cloud
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A funnel cloud was reported along the ridge at the intersection of Route 3 and 214

Thunderstorms that produced winds in excess of 55 MPH, a tornado, hail, and heavy downpours moved across Southern Maryland during the afternoon of the 25th. In Charles County, a tornado touched down on Panda Court in the Hampshire Lake subdivision about 2.5 miles west of downtown Waldorf. The tornado tracked northeast across the subdivisions of McDaniel Country Estates, Ashford Oaks, Streamview, and across Route 228 (Berry Road) before crossing into Prince George's County near Acton Lane. The tornado was 100 yards wide and was ranked an F1. Over 100 homes received minor damage to siding and roofs, with the most concentrated area of damage in the Streamview neighborhood. The worst damage included trees putting significant holes into homes, damaged cars, broken windows, a damaged deck, and a downed chimney. In addition, a shed, tractor, and air conditioning unit were blown over. The survey team estimated over 100 trees and several power lines were downed in the path of the storm. As the tornado crossed Route 228 it picked up a truck, spun it around and flipped it over onto the side of the road. Just north of Route



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MARYLAND, Central

228, the tornado destroyed three barns at a sod farm. When the twister reached Acton Lane, it downed several trees and power lines. About an hour before the tornado touched down near Waldorf, another thunderstorm produced a funnel cloud that apparently never reached the ground just northeast of Indian Head. Pea sized hail was reported in Bryans Road.

In Prince George's County, the Green Acre Farms area about 4 miles southwest of Brandywine was hit by the same tornado that damaged several homes just west of Waldorf. The tornado crossed Mattawoman Creek at the county line near Acton Lane, then pushed northeast across the Green Acre Farms subdivision and Gardner Road. Several trees were downed in the path of the twister. Two homes in Green Acre Farms were damaged. One of the homes on Gardner Road suffered water damage after a tree pushed in a basement door which allowed water runoff to flood the basement. Another homeowner on Mattawoman Lane had a vehicle significantly damaged by a downed tree. A nearby shed was picked up off its foundation and thrown 40 feet. The path of the tornado was clearly visible as a tree top "V" pattern in the woodlands behind the home. A nearby barn was also damaged. Six occupants in 5 cars on nearby roadways had to be rescued after downed trees and power lines made the roads impassable. The tornado dissipated in the woods just northeast of Gardner Road before reaching Robin Dale Country Club. The storm that produced the tornado continued to move northeast across the county. A funnel cloud was spotted in Brandywine, Camp Springs, and Bowie as the storm passed through. A wind gust of 63 MPH was recorded at Andrews Air Force Base. Heavy rain flooded the intersection of Branch Avenue and Brinkley Avenue and roads in Bladensburg. In Anne Arundel County, a total of 2.04 inches of rain fell in Annapolis. In St. Mary's County, 1.92 inches of rain was reported in Orville.

Charles County

**2 SW Newburg to
Newburg**

26	0224EST 0226EST	1.2	40	0	0	15K	Tornado (F0)
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A waterspout came ashore at Clifton on the Potomac and reached Newburg before dissipating

Charles County

4 N Newburg

26	0233EST			0	0	0.50K	Thunderstorm Wind
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Trees were downed at the intersection of Route 301 and 234.

Charles County

Waldorf

26	0242EST			0	0		Hail (0.88)
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Marble to nickel sized hail fell.

A thunderstorm formed over the Potomac River between King George County, Virginia and Charles County, Maryland around 3:00 AM EDT on the 22nd. This thunderstorm produced a tornado over the Potomac River just before coming ashore near Clifton on the Potomac just north of the Route 301 bridge. An employee at the Route 301 bridge toll booth just east of the shoreline reported seeing a waterspout form just offshore and north of the Governor Harry W. Nice Bridge. The waterspout came ashore at the Aqua-Land Marina less than one quarter mile north of the bridge. A boathouse at the marina was hit by the twister and lost nearly half of its exposed 150 foot roof. Six boats beneath the roof were damaged by fallen debris. In addition, trees were downed in and along the access road to the Aqua-Land campground. Next, the tornado moved east-northeast across the southern portion of the Clifton on the Potomac subdivision where it downed or snapped several trees. Very little damage was reported to homes. A survey team found a path of downed trees that continued east-northeast across Route 301 near the Crain Memorial Travel and Visitors Center to just south of the intersection of Route 257 and Mount Victoria Road in Newburg. The tornado apparently dissipated near Mount Victoria Road. The F1 tornado was on the ground for 1.2 miles and was estimated to be 40 yards wide. Strong winds also accompanied the storm and trees were downed at the intersection of Route 301 and 234 about 4 miles north of Newburg. The thunderstorm weakened after it exited the Newburg area, but was of sufficient strength as it moved over La Plata to produce pea sized hail around 3:40 AM EDT. When the storm moved over Waldorf, marble to nickel sized hail fell.

Montgomery County

Montgomery Vlg

27	1357EST			0	0		Hail (0.75)
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Dime sized hail was reported.

Montgomery County

**3.5 SW Olney to
Olney**

27	1410EST 1415EST	3.5	70	0	0	500K	Tornado (F1)
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Numerous trees were downed and buildings were damaged.



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MARYLAND, Central

Montgomery County 2 W Olney	27	1412EST			0	0	1K		Thunderstorm Wind
A few trees were downed.									
Howard County 5 S Columbia	27	1425EST			0	0			Hail (0.80)
Dime to penny sized hail fell.									
Baltimore County Towson	27	1500EST			0	0	10K		Thunderstorm Wind
Numerous trees and power lines were downed.									
Anne Arundel County Rivera Beach	27	1503EST			0	0	0.50K		Thunderstorm Wind
A tree was downed.									
Baltimore County Middle River	27	1510EST			0	0	2K		Thunderstorm Wind
Trees were downed onto Darkhead Road.									
Montgomery County Rockville	27	1755EST			0	0	0.50K		Thunderstorm Wind
Trees were damaged.									
Montgomery County 2 SE Potomac	27	1820EST			0	0			Funnel Cloud
A funnel cloud was reported over Avenel Golf Course.									

Thunderstorms that produced damaging wind, large hail, and a tornado moved across central Maryland during the afternoon and evening hours of the 27th. In Montgomery County, a tornado touched down 3.5 miles southwest of Olney and moved northeast into the center of town. The twister was rated an F1 and was 70 yards wide. The first sign of damage from the tornado was downed trees at the intersection of Muncaster Mill Road and Bowie Mill Road southwest of Olney. The tornado tracked east-northeast, passing just north of Magruder High School through North Branch Stream Valley Park. The damage path reappeared over Norbeck Country Club. Numerous trees were downed in a narrow area on the north end of the property and an employee saw the funnel cloud touch down. The damage to trees continued just east of the country club into the Cahsel Manor and Williamsburg Village neighborhoods on the southwest side of Olney. Over 40 trees were downed across the neighborhood. A car, shed, power line, and a large fence were significantly damaged by downed trees. One home sustained damage to a gutter and three other homes had small portions of siding pushed up or removed. Next, the tornado moved into the center of town and crossed just east of the intersection of Route 97 and 108. A restaurant just east of the intersection had pieces of roofing and insulation ripped off and carried blocks away. A few trees in the parking lot were also downed. Nearby, a strip mall which contained a multi-screen cinema and six shops sustained significant roof damage. Pieces of roofing material were found over a mile away from the site. Theater patrons saw ceiling tiles crashing down in the lobby. Fifty cars in the parking lot had damage to windows and a few storefront windows were also broken. Remarkably, no injuries were reported. The mall had to be evacuated and temporarily condemned until structural engineers could make repairs. The tornado continued to down trees northeast of the shopping center between Appomattox Road and Brooke Grove Elementary School before dissipating.

In addition, the tornadic storm produced high winds a few miles west of Olney. Trees were downed near the intersection of Bowie Mill Road and Bready Drive. The same storm system dropped dime sized hail on Montgomery Village. A storm earlier in the afternoon downed trees in Rockville. Several other locations across the county reported pea to marble sized hail during the afternoon, including Potomac, Rockville, Silver Spring, and Burtonsville. Late in the evening another storm produced a funnel cloud over Avenel Golf Course in Potomac. No damage was reported. In Howard County, pea to marble sized hail fell in Columbia. Five miles south of town, dime to penny sized hail was reported. High winds caused power outages across the county. In Anne Arundel County, trees and power lines were downed in Glen Burnie, Rivera Beach, and Annapolis. Pea to marble sized hail fell in Jessup, Rivera Beach, Glen Burnie, and at Fort Meade. A wind gust of 45 MPH was reported in Pasadena. In Baltimore County, trees and power lines were downed in Cockeysville, Towson, and Middle River.



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VIRGINIA, North

Nelson County									
Countywide	18	1700EST 2100EST			0	0			Heavy Rain

Rappahannock County									
Countywide	18	1700EST 2100EST			0	0			Heavy Rain

Shenandoah County									
Countywide	18	1700EST 2100EST			0	0			Heavy Rain

Scattered thunderstorms that produced heavy downpours moved through the central and southern Shenandoah Valley during the evening of the 18th. In Shenandoah County, 1.93 inches of rain was recorded in New Market. In Rappahannock County, 1.90 inches fell at Massie's Corner. In Nelson County, 1.95 inches was reported at Tye River. In addition, rainfall totals around 1.5 inches were recorded in Madison and Culpeper Counties.

Spotsylvania County									
Partlow to Brakenberg	22	1430EST			0	0	1K		Thunderstorm Wind

A large oak tree was downed between Partlow and Brakenberg

Fairfax County									
Countywide	22	1530EST 1830EST			0	0			Heavy Rain

Loudoun County									
Countywide	22	1530EST 1830EST			0	0			Heavy Rain

Orange County									
Countywide	22	1530EST 1830EST			0	0			Heavy Rain

Prince William County									
Countywide	22	1530EST 1830EST			0	0			Heavy Rain

Spotsylvania County									
Countywide	22	1530EST 1830EST			0	0			Heavy Rain

Augusta County									
Countywide	22	1600EST 1610EST			0	0	5K		Thunderstorm Wind

Trees were downed.

Staunton (C)									
Staunton	22	1600EST			0	0	5K		Thunderstorm Wind

Trees and power lines were downed.

Nelson County									
Lovingston	22	1605EST			0	0			Thunderstorm Wind (G62) ^M

A 71 MPH wind gust was reported.

Waynesboro (C)									
Waynesboro	22	1610EST			0	0	2K		Thunderstorm Wind

Trees were downed.

Orange County									
Orange	22	1635EST			0	0	2K		Thunderstorm Wind

Trees were downed.

Albemarle County									
Countywide	22	1645EST 1650EST			0	0	10K		Thunderstorm Wind

Trees and power lines were downed.



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<u>VIRGINIA, North</u>									
Albemarle County 2 NE Woodridge to 4 NE Woodridge	22	1645EST 1650EST	2.5	75	0	0	10K		Tornado (F1)
Trees were downed and homes were damaged.									
Charlottesville (C) Charlottesville	22	1645EST			0	0	5K		Thunderstorm Wind
Trees and power lines were downed.									
Greene County Ruckersville	22	1700EST			0	0	2K		Thunderstorm Wind
Trees were downed.									
Spotsylvania County Thornburg	22	1730EST			0	0	20K		Lightning
A lightning strike burned a hole in a roof.									
Spotsylvania County Thornburg	22	1730EST			0	0	2K		Thunderstorm Wind
Trees were downed.									
Stafford County Stafford	22	1730EST			0	0	2K		Thunderstorm Wind
Trees were downed.									
Prince William County Countywide	22	1740EST 1755EST			0	0	10K		Thunderstorm Wind
Trees and power lines were downed.									
Prince William County Dale City	22	1745EST			0	0			Hail (1.75)
Golfball sized hail was reported									
Prince William County 3 W Dale City to 1 NE Dale City	22	1745EST 1800EST			0	0	50K		Lightning
Three homes were hit by lightning.									
Fauquier County Warrenton	22	1750EST			0	0	2K		Thunderstorm Wind
Trees were downed.									
Manassas (C) Manassas	22	1750EST			0	0			Thunderstorm Wind (G56) ^M
A wind gust of 64 MPH was recorded.									
Prince William County Dale City	22	1752EST 1755EST	1	50	0	0	1K		Tornado (F0)
Trees were damaged.									
Spotsylvania County North Portion	22	1755EST			0	0			Thunderstorm Wind (G52)
A 60 MPH wind gust was reported on Route 3.									
Fairfax County Centreville	22	1800EST			0	0			Hail (0.88)
Nickel sized hail fell.									
Prince William County 1 N Dumfries	22	1806EST			0	0			Funnel Cloud
A funnel cloud was spotted from Interstate 95.									



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VIRGINIA, North

Fairfax County

Lorton	22	1815EST			0	0			Funnel Cloud
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A funnel cloud was spotted at the CSX Railroad crossing on Route 1.

Fairfax County

Lorton	22	1815EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed along Route 1.

King George County

King George	22	1815EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.

Fairfax County

Springfield	22	1818EST			0	0			Funnel Cloud
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A funnel cloud was spotted at the intersection of Van Dorn Street and Interstate 95.

Arlington County

Countywide	22	1822EST 1835EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.

Alexandria (C)

Alexandria	22	1835EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.

Thunderstorms that produced wind gusts in excess of 55 MPH, large hail, heavy downpours, frequent lightning, and isolated tornadoes crossed the area during the afternoon and early evening hours of the 22nd. In Augusta County and in the city of Waynesboro, trees were felled by high winds. Trees and power lines were downed in Staunton. A total of 1.60 inches of rain was reported in Waynesboro. In Nelson County, a wind gust of 71 MPH was recorded near Lovingson. In Albemarle County, a tornado touched down 2 miles northeast of Woodridge near the intersection of Buck Island Road and Martin Kings Road, traveled northeast for 2.5 miles, then dissipated near Route 53. The tornado was 75 yards wide and was ranked as an F1. Several trees were damaged. Some houses in the path of the tornado had siding and shingles torn off and another home had a deck rail torn off. Across the rest of the county, including the town of Afton and the city of Charlottesville, straight line winds downed trees and power lines. In Greene County, trees were downed in Ruckersville. In Orange County, trees and power lines were downed in the town of Orange where 1.65 inches of rain was reported. Hail of unknown size also fell across the county.

In Spotsylvania County, trees were downed in Partlow, Brokenburg, Thornburg, and across Interstate 95 near the Caroline County border. A wind gust of 60 MPH was reported at Route 3 near the town of Spotsylvania. Heavy downpours flooded Courthouse Road near Hilltop Plaza. Lightning struck a business in Thornburg, burning a hole in the roof. In Stafford County, trees were downed in the town of Stafford. In King George County, trees were downed in the town of King George and elsewhere across the county. In Fauquier County, trees were downed in Warrenton. In Prince William County, an F0 tornado touched down briefly in Dale City. It was on the ground for one mile and was 50 yards wide. A spotter and a county official sited the tornado and reported damage to trees and power lines in the path of the twister. Golfball sized hail preceded the tornado. Across the rest of the county, high winds reportedly downed additional trees and power lines. In the city of Manassas, a wind gust of 64 MPH was recorded. Heavy downpours flooded streets and some basements. Route 1 was also temporarily flooded when Neabisco Creek overflowed its banks. Some county roads including Route 234 were also flooded. Lightning strikes damaged two homes in Dale City. A lightning fire at a home in the town of Prince William displaced a family and resulted in \$50,000 damage.

In Loudoun County, heavy downpours dropped 2.09 inches of rain in Middleburg, 1.93 inches at Dulles International Airport and 1.78 inches in Leesburg. In Fairfax County, trees and power lines were downed in Lorton along Route 1. A funnel cloud was sited nearby. In Centreville, nickel sized hail fell and winds of 50 MPH were estimated. Flooding was reported on roads in Annandale, McLean, Reston, and along Route 1 in Mt. Vernon. Rainfall totals included 2.17 inches in Oak Hill, 1.94 inches in Reston, 1.92 inches in Mt. Vernon, 1.63 inches in Centreville, and 1.57 inches in Herndon where winds gusted to 41 MPH. In Arlington County, trees and power lines were downed. A total of 1.60 inches of rain was reported and a few basements were flooded. In Alexandria, trees and power lines were downed.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>VIRGINIA, North</u>									
Fairfax County									
Countywide	25	1400EST 1500EST			0	0			Heavy Rain
Prince William County									
Countywide	25	1400EST 1500EST			0	0			Heavy Rain
A large mud slide at the intersection of Bear Drive and Yatesford Road closed both roads.									
Spotsylvania County									
Countywide	25	1425EST 1430EST			0	0	15K		Thunderstorm Wind
Route 208 and Blockhouse Road were closed for two miles by downed power lines and trees. Trees were also downed in Snell and Spotsylvania Courthouse.									
Alexandria (C)									
Alexandria	25	1430EST 1530EST			0	0			Heavy Rain
The combination of heavy rainfall and high tide led to temporary flooding in Old Town.									
Fredericksburg (C)									
Fredericksburg	25	1430EST 1435EST			0	0			Hail (0.75)
Dime sized hail fell.									
Stafford County									
Countywide	25	1435EST 1445EST			0	0	2K		Thunderstorm Wind
Scattered trees were downed.									
Fredericksburg (C)									
Fredericksburg	25	1440EST			0	0	2K		Thunderstorm Wind
Trees were downed.									
Fairfax County									
Tyson's Corner	25	1515EST			0	0			Funnel Cloud
A funnel cloud was spotted at the intersection of Route 7 and Spring Hill Road.									
Thunderstorms that produced winds in excess of 55 MPH, hail, and heavy downpours moved through a portion of Northern Virginia during the afternoon of the 25th. In Spotsylvania County, downed trees and power lines were downed across a two mile stretch along Route 208 (Blockhouse Road). Trees were also downed in Snell, Spotsylvania Courthouse, and Fredericksburg. Dime sized hail was reported in Fredericksburg and hail between one quarter and one half inch fell in Snell, Spotsylvania Courthouse, Massaponax, and Thornburg. In Stafford County, scattered trees were downed and pea sized hail was reported. In Prince William County, about 4 miles east of Manassas, heavy rainfall caused a large mudslide at the intersection of Bear Drive and Yatesford Road. In Fairfax County, a funnel cloud was spotted at the intersection of Route 7 and Spring Hill Road in Tyson's Corner. Rainfall totals included 2.50 inches in Vienna, 2.10 inches at Ft. Belvoir, and 1.64 inches in Lorton. In Alexandria, the combination of heavy rainfall and high tide resulted in temporary flooding in Old Town.									
Winchester (C)									
Winchester	26	1600EST 1800EST			0	0			Heavy Rain
Frederick County									
Countywide	26	1700EST 2300EST			0	0	8K		Flash Flood
Rappahannock County									
Countywide	26	1700EST 2200EST			0	0			Flash Flood
Shenandoah County									
Countywide	26	1700EST 2100EST			0	0			Flash Flood



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

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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VIRGINIA, North

Winchester (C)

Winchester	26	1855EST			0	0			Hail (0.88)
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Nickel sized hail was reported.

Frederick County

Cross Jct	26	1900EST			0	0			Hail (0.88)
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Nickel sized hail fell.

Frederick County

White Hall	26	1900EST			0	0	1K		Lightning
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Lightning started hay bales on fire 10 miles north of Winchester.

Frederick County

5 SW Clear Brook	26	1925EST			0	0			Hail (1.00)
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Quarter sized hail accumulated up to 2 inches just northeast of Winchester.

Page County

Luray	26	2008EST			0	0			Lightning
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Lightning started a structure fire.

An area of thunderstorms formed over the northern Shenandoah Valley during the evening of the 26th. This area of storms produced very heavy rainfall, dangerous lightning, and periodic bursts of hail as it remained nearly stationary over the area between 5 and 8 PM EDT. Up to 3 inches of rain fell across the area in less than 4 hours. In Shenandoah County, 2.60 inches of rain fell in Mount Olive in two hours. Route 623 and 653 were closed by high water. In Strasburg, Back Road was closed when a creek overflowed onto the roadway. Roads were also closed by flooding in Woodstock. In Rappahannock County, Route 522 and 635 near Flint Hill and Huntley were closed by high water. A total of 2.65 inches a rain was reported at Massie's Corner. In Page County, a lightning strike started a structure fire in Luray.

In Frederick County, heavy rain falling at a rate of up to 2.5 inches an hour caused flooding across the western and central portions of the county. At least 10 roads were closed by high water from rising creeks and streams. Water and debris covered Route 522 after Issac Run overflowed north of Winchester. West of Winchester on Route 50, Hogue Creek overflowed onto Route 50 and forced the closure of 2 of the 4 lanes of traffic. Near Stevenson, Interstate 81 was flooded at mile marker 320 and all southbound lanes had to be closed for an hour. A tractor trailer crossing this section of roadway hydroplaned off the road. Other roads closed by high water included North Hayfield Road, Northwestern Pike, North Mountain Road, and Ebenezer Road. Basements were flooded in Winchester. Tavenner Run overflowed its banks in Gainesboro and destroyed a small private access bridge, an above ground pool, and a fiberglass fishing boat. Pieces of the boat were found in the creek after the water subsided. Saturated soil allowed a tree in Cross Junction to fall across a road. Enough hail fell to turn the ground white in Stevenson, Cross Junction, Gainesboro, and Winchester. Drifts of hail up to 4 inches deep could still be found in Gainesboro the next morning.

Shenandoah County

Strasburg	27	1205EST			0	0			Lightning
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A home was struck by lightning.

Warren County

1 SW Ashby to 1 N Milldale	27	1225EST 1233EST	4	100	0	0	65K		Tornado (F1)
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A tornado damaged farms and trees before moving into Clarke County.

Clarke County

Double Tollgate to White Post	27	1230EST 1235EST			0	0	21K		Hail (1.75)
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Golfball sized hail damaged roofs and siding, stripped paint, broke light fixtures, and shredded vegetation from Double Tollgate to White Post.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

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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VIRGINIA, North

Clarke County

4 SW Millwood to 4 S Millwood	27	1233EST	1.5	100	0	0	5K		Tornado (F1)
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A tornado that came from Warren County downed trees across Route 624 (Millville Rd).

Clarke County

White Post to Berryville	27	1235EST 1250EST			0	0			Funnel Cloud
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A police officer followed a storm that repeatedly produced a funnel cloud between White Post and Berryville.

Shenandoah County

Orkney Spgs	27	1237EST			0	0	2K		Thunderstorm Wind
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Trees and power lines were downed.

Loudoun County

3 W Sterling	27	1334EST			0	0	20K		Thunderstorm Wind
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Large trees were downed between Algonkian Parkway and Countryside Boulevard

Fairfax County

Great Falls	27	1400EST			0	0	1K		Thunderstorm Wind
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Trees were snapped.

Loudoun County

East Portion	27	1730EST			0	0	250K		Hail (1.75)
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Marble to golfball sized hail was reported.

Loudoun County

3 W Sterling	27	1734EST 1744EST			0	0	80K		Thunderstorm Wind
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Downburst winds estimated between 60 and 80 MPH downed trees and damaged homes in the Countryside development

Loudoun County

Ashburn	27	1740EST			0	0	4K		Thunderstorm Wind
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Four trees were downed, a window was blown in, and a tent was damaged.

Two rounds of thunderstorms moved across Northern Virginia on the 27th. The first round crossed the Northern Shenandoah Valley between 1 and 3 PM EDT and produced winds in excess of 55 MPH, dangerous lightning, hail, and a tornado. In Shenandoah County, a home in Strasburg was struck by lightning. Marble sized hail was reported in Tom's Brook. Trees and power lines were downed by high wind in Orkney Springs. In Warren County, an F1 tornado touched down around 1 mile southwest of Ashby, just south of Route 639. The tornado moved east-northeast and crossed Route 639 just east of Ashby. Shortly after, it crossed Route 658 just south of White Oak Level and moved into Clarke County at Milldale Road (Route 624). Before exiting the county, the tornado struck three farms just east of Ashby. It tore the tin roof off a barn and threw it 100 yards. A farmhouse suffered a projectile hole and minor damage to trim and a window. The tornado also damaged a silo, several sheds, and small outbuildings. In addition, numerous trees were uprooted and snapped along the tornado's 4 mile long and 100 yard wide path. The tornado remained on the ground for another mile after it crossed into Clarke County at Milldale Road (Route 624), about 3 miles southeast of Stone Bridge. Several trees were downed on the roadway at this location. The tornado traveled to the northeast through woodlands, then dissipated about 5 miles east of Stone Bridge. In addition, a funnel cloud was spotted by a police officer over White Post, north of the tornadic storm. The officer followed the storm that produced the funnel cloud from White Post to Berryville and saw the funnel drop down several times, but never touch the ground. The only damage reported from this storm was from large amounts of golfball sized hail that accumulated up to 6 inches in depth between Double Tollgate and White Post. The large hail damaged an asphalt roof, a flat membrane roof, and light fixtures. It was also responsible for chipping paint off a home and stripping leaves off vegetation. In Loudoun County, a storm downed several large trees near the intersection of Algonkian Parkway and Countryside Boulevard west of Sterling in the Cascades subdivision.

The second round of storms moved through the western suburbs of Washington D.C. between 6 and 7 PM EDT and produced winds as high as 80 MPH, large hail, and heavy downpours. In Loudoun County, a strong downburst of wind estimated between 60 and 80 MPH crashed down onto the Countryside subdivision west of Sterling. The strongest winds hit the Foxfield section near where it backs up to the Broad Run Farms subdivision. Several townhouses had shingles peeled off their roofs and roof vents were bent upward or torn off. About a dozen trees were uprooted and others were snapped. Just north of this area on McPherson Circle, several other homes had damage to siding and gutters. Another area of damage was near the intersection of Algonkian Parkway and Countryside Boulevard. This same area was hit by damaging wind during the first round of storms. Several more large trees were snapped and a significant carpet of leaf debris was left on the ground and blown into fencing and against housing. Another small



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

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

VIRGINIA, North

area of wind damage was reported in Ashburn Farm where a tree was downed, a tent was damaged, and a window was blown in. In addition to high winds, the eastern portion of Loudoun County was pelted by large quantities of hail. In Countryside, hail as large as golfballs punctures the rear window of a soft topped vehicle and shredded leaves off vegetation. The hail covered the ground up to 1 inch deep and nickel sized hail could still be found on the ground a day and a half after the storm. Many homes in the Countryside, Cascades, and the Sugarland Run subdivisions experienced hail damage to roofs and siding. Damage to homes in the path of the largest hailstones was estimated at \$5000. Quarter sized hail was reported in Ashburn. Marble to quarter sized hail fell in Sterling. Pea sized hail was reported in Leesburg. In Fairfax County, trees were snapped by high winds in Great Falls.

WEST VIRGINIA, East

Grant County

Countywide

18	1700EST 1900EST				0	0			Heavy Rain
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Hardy County

Countywide

18	1700EST 1900EST				0	0			Heavy Rain
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A thunderstorm with heavy downpours moved across Grant and Hardy Counties during the early evening hours of the 18th. Rainfall totals included 2.14 inches in Petersburg and 1.65 inches in Moorefield.