



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2000

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				0	2			Strong Wind
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Two construction workers were injured by fallen debris.

Northwest winds gusted over 35 MPH across the District on the morning and early afternoon of the 5th. The strong winds caused a row house under construction on Florida Avenue NW to collapse. Two workers were injured, one seriously, after being buried in debris.

MARYLAND, Central

Allegany County Countywide					0	0	5K		Strong Wind
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Trees were downed onto roads and power lines.

Northwest winds in excess of 35 MPH blew across Allegany County during the afternoon of the 6th, knocking trees onto power lines and across roads. In Cumberland, trees were downed on McDonald Terrace. Trees were also downed onto Christy and Luther Roads. Downed trees on Patterson Creek Road caused a four wheeler accident that seriously injured one person. Downed power lines sparked brush fires around Knobley and Hinkle Roads.

Carroll County North Portion					0	0			Winter Weather
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Frederick County North Portion					0	0			Winter Weather
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A cold front crossed the Mid-Atlantic region during the afternoon of the 8th. Temperatures dropped more than 20 degrees within an hour after the cold front passed. Temperatures reached the freezing mark early on the 9th and areas where precipitation continued saw a changeover from rain to snow. By sunrise, several locations across Northern Maryland reported minor accumulations. Less than one half inch of snow accumulated in Allegany County, up to 2 inches fell in Washington County, 2 to 4 inches accumulated in Northern Frederick County, 2 to 3 inches of snow covered northern Carroll County, 1 to 2 inches fell across Northern Baltimore and Harford Counties, and between 1/2 and 1 1/2 inches accumulated in northern Montgomery County and Howard County.

Montgomery County Countywide					0	0			Flash Flood
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Roads were closed by high water. Over 2 inches of rain fell in 12 hours.

Low pressure across the Mid-Atlantic region on the morning of the 17th in combination with east winds off the Atlantic Ocean produced showers and thunderstorms with very heavy rainfall. Rainfall totals included 2.50 inches at Cabin John, 2.10 inches at the Potomac Water Treatment Plant, and 1.47 inches at Washington Reagan National Airport. During the morning rush hour, Route 28 at Seneca Creek was closed by high water.

Anne Arundel County Annapolis					0	0			Tidal Flooding
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Roads near City Dock were flooded around high tide.

Washington County Hagerstown					0	0			Hail (1.00)
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Quarter sized hail fell on the north side of town.

Charles County White Plains					0	0			Hail (1.00)
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Quarter sized hail fell.



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<u>MARYLAND, Central</u>									
Charles County 5 W Waldorf	21	1405EST			0	0			Hail (1.00) Quarter sized hail fell.
Charles County 5 W Waldorf	21	1405EST			0	0	50K		Thunderstorm Wind Home under construction was destroyed and 10 trees were downed.
Charles County St Charles	21	1407EST			0	0			Funnel Cloud Funnel cloud was spotted at the intersection of St. Charles Parkway and Smallwood Drive.
Charles County Waldorf	21	1407EST			0	0			Hail (1.00) Quarter sized hail fell.
Prince George'S County Clinton	21	1415EST			0	1			Lightning A 38 year old woman was injured by lightning that struck nearby.
Calvert County 1 SE Dunkirk to 2 SE Dunkirk	21	1440EST 1445EST	1.5	75	0	0	210K		Tornado (F1) A school, 2 cars, 2 barns, and several trees were damaged.
Calvert County 1 SE Dunkirk	21	1440EST			0	0	10K		Thunderstorm Wind Barn was destroyed and farm equipment was damaged.
Calvert County 7 E St Leonard	21	1500EST			0	0			Thunderstorm Wind (G90) ^M Mid Bay Buoy recorded a wind speed near 90 knots.
Montgomery County Germantown	21	1517EST			0	0			Hail (1.00) Quarter sized hail fell.
Montgomery County Gaithersburg	21	1520EST			0	0	20K		Hail (1.25) Half dollar sized hail stripped leaves from trees, put small dents in cars, and chipped paint off houses.
Montgomery County Layhill	21	1521EST			0	0			Hail (0.75) Dime sized hail fell.
Montgomery County Rockville	21	1521EST			0	0			Hail (1.00) Quarter sized hail fell.
Montgomery County Wheaton	21	1527EST			0	0			Hail (1.00) Quarter sized hail fell.
Montgomery County Colesville	21	1530EST			0	0			Hail (0.75) Dime sized hail fell.
Prince George'S County College Park	21	1545EST			0	0			Funnel Cloud Funnel cloud was spotted by a motorist.
Howard County Columbia	21	1605EST			0	0			Hail (1.75) Golf ball sized hail fell.



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					Killed	Injured	Property Crops

MARYLAND, Central

Charles County

2 N Waldorf	21	1700EST			0	0	
Quarter sized hail fell in Lynbrook.							

Prince George'S County

Rosaryville	21	1700EST			0	0	
Nickel sized hail fell.							

Calvert County

2 NW Dunkirk	21	1715EST			0	0	
Quarter sized hail fell.							

Low pressure passed directly over the Mid-Atlantic region on the 21st and spawned thunderstorms with winds in excess of 55 MPH, heavy rainfall, frequent lightning, and large hail. The strongest storm, a supercell, passed through Calvert County and spawned an F1 tornado about 1 mile southeast of Dunkirk. The tornado had a width of 75 yards, traveled on the ground for 1 1/2 miles and was responsible for over \$200,000 worth of damage. The first building struck by the twister around 3:40 PM EDT was a private school under construction on Mt. Harmony Road about 1/2 mile east of Route 4. The tornado damaged 3 sections of an 8 to 10 ton reinforced brick wall and removed a 30 foot section of roof. Two windows on cars in a nearby parking lot were blown out. An old wooden barn about 600 yards from the school was also destroyed. The tornado moved east-northeast for about a mile, damaging trees and causing minor home damage along its path as it crossed through Cattertons Reach and Megatha Lane. The tornado dissipated near the intersection of Chesapeake Road West and Route 2 (Solomons Island Road) at 3:45 PM EDT. In addition to the tornado damage, a barn filled with farm equipment across from Mt. Harmony Elementary School near Dunkirk was destroyed by downburst winds. Also, Mid Bay buoy east of St. Leonard recorded a wind gust near 90 knots around 4:00 PM EDT as the same storm moved across the Chesapeake Bay.

Before the supercell became tornadic near Dunkirk, it passed through northern Charles County. Winds in excess of 55 MPH produced over \$50,000 worth of damage. At the intersection of Bensville Road and Courtney Drive west of Waldorf, straight line winds destroyed a two story home under construction around 3:05 PM. Quarter sized hail was reported and ten trees within one half mile of the home were also damaged. Quarter sized hail also fell in White Plains and Waldorf. A resident of St. Charles reported a funnel cloud at the intersection of St. Charles Parkway and Smallwood Drive at 3:07 PM EDT.

Additional thunderstorms moved across Central Maryland between 2 and 7 PM EDT. In Prince George's County, a postal worker in Clinton was injured around 3:15 PM EDT when lightning struck near her. Pea sized hail was reported in Accokeek and Clinton. A motorist near College Park reported seeing a funnel cloud around 4:45 PM EDT. Nickel sized hail fell in Rosaryville around 6:00 PM EDT. In Charles County, quarter sized hail fell in Lynbrook around 6:00 PM EDT. Quarter sized hail was also reported in extreme northwest Calvert County around 6:15 PM EDT.

In Montgomery County, quarter sized hail fell in Germantown, Rockville, and Wheaton. Dime sized hail fell in Layhill and Colesville, and half dollar sized hail fell in Gaithersburg. The volume of hail resulted in accumulations of 3 to 4 inches on lawns and roadways, with drifts up to 10 inches against buildings and fences. Trees were stripped of leaves, small dents were found on cars, and one neighborhood in Gaithersburg reported chipped paint on homes. In Howard County, golf ball sized hail fell in Columbia. In Baltimore County, pea sized hail was reported in Brookland at 5:43 PM EDT. In Washington County, quarter sized hail fell on the north side of Hagerstown and minor stream flooding was reported after heavy downpours in Hancock.

Heavy rain and strong east winds over the Chesapeake Bay also led to tidal flooding in Annapolis Harbor on the morning of the 21st. Several roads near the City Dock area were flooded with up to 2 feet of water around high tide. Water poured over the seawall forcing police to barricade Dock Street and to close Compromise Street. Defense Highway which crosses a wetland flood plain was also flooded, and one vehicle had to be pulled out of the flood waters near Rutland Road.



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MARYLAND, Central

Anne Arundel County

Annapolis	27	1000EST 1500EST			0	0			Tidal Flooding
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Roads near City Dock were flooded around high tide.

Heavy rainfall in combination with strong east winds produced flooding in Annapolis Harbor around high tide on the morning on the 27th. Several streets around City Dock were inundated with up to 3 feet of water. Flooding also occurred in other areas of Anne Arundel County in the wetland flood plain. One major road, Defense Highway between St. Stephen's Church Road and Hallmark Road, was closed by high water between 1 and 3 PM EDT.

VIRGINIA, North

Manassas Park (C)

Manassas Park	05	1100EST 1400EST			0	5	10K		Strong Wind
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Five construction workers were seriously injured by debris.

Northwest winds gusted over 30 MPH on the morning and afternoon of the 5th. The strong winds caused two dozen wooden trusses at a school construction site in Manassas Park to collapse. Five construction workers were seriously injured by the falling debris.

Fairfax County

Huntington	08	1024EST			0	0	20K		Thunderstorm Wind
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A townhouse under construction collapsed.

Alexandria (C)

Alexandria	08	1300EST			0	0	2K		Thunderstorm Wind
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Tree limbs were downed onto power lines.

Fairfax County

Springfield	08	1300EST			0	0	2K		Thunderstorm Wind
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Tree limbs were downed onto power lines.

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	09	0000EST 0800EST			0	0			Winter Weather
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Two to four inches of snow fell along Skyline Drive.

Alexandria (C)

Alexandria	09	0800EST			0	0	2K		Strong Wind
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Trees were downed.

Fairfax County

Springfield	09	0800EST 1100EST			0	0	2K		Strong Wind
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Trees were downed.

Fairfax (C)

Fairfax	09	0800EST 1100EST			0	0	2K		Strong Wind
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Trees were downed.

Winchester (C)

Winchester	09	0830EST			0	0	1K		Strong Wind
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A tree was downed onto a power line.

A cold front that crossed the Mid-Atlantic region during the afternoon of the 8th was accompanied by strong winds. Sowers that developed ahead and along the cold front brought winds in excess of 45 MPH to the surface, producing damage to trees, power lines, and a building under construction. Fallen tree limbs took out two sets of power lines in Alexandria and near Springfield in Fairfax County. A partially constructed townhouse near Huntington in Fairfax County collapsed after being hit by strong winds. A wind gust of 51 MPH was recorded at Washington Reagan National Airport that afternoon. Temperatures dropped more than 20 degrees within an hour after the cold front passed. Above 2500 feet in Shenandoah National Park, temperatures dropped below freezing. This caused a changeover from rain to snow early on the 9th and by sunrise 2 to 4 inches of snow accumulated along



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VIRGINIA, North

Skyline Drive. Strong winds continued behind the cold front from the evening of the 8th through the afternoon of the 9th. Northwest winds gusting over 35 MPH brought down additional trees and power lines in Alexandria, Fairfax City, and across Fairfax County. Over 2500 customers lost power. A wind gust of 44 MPH was recorded at Dulles International Airport that morning. In Winchester, 1200 residents lost power after a tree was downed onto power lines on South Pleasant Valley Road.

Fairfax County Countywide

17	0600EST 1400EST				0	0			Flash Flood
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Roads were closed by high water and over 2 inches of rain fell in 12 hours.

Falls Church (C) Falls Church

17	0600EST 1400EST				0	0			Heavy Rain
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Over 2.5 inches of rain fell in 12 hours.

Low pressure across the Mid-Atlantic region on the morning of the 17th in combination with east winds off the Atlantic Ocean produced showers and thunderstorms with very heavy rainfall. Rainfall totals included 2.88 inches at Falls Church, 2.27 inches in Herndon, 2.25 inches in Annandale, 2.23 inches in Centreville, and 1.47 inches at Washington Reagan National Airport. During the morning rush hour over 20 roads in Fairfax County were closed by high water, including Hunter Mill Road between Oakton and Reston.

Spotsylvania County Spotsylvania

21	1330EST				0	0			Hail (0.75)
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Dime sized hail fell at Spotsylvania Courthouse.

Low pressure passed directly over the Mid-Atlantic region on the 21st, and spawned thunderstorms with strong winds, heavy rainfall, frequent lightning, and large hail. A thunderstorm that moved across Central Spotsylvania County produced dime sized hail in the community of Spotsylvania at the courthouse around 2:30 PM EDT. Several other locations across Northern Virginia reported pea sized hail as the storms passed through.

WEST VIRGINIA, East

Morgan County Berkeley Spgs

08	1230EST				0	0	100K		Thunderstorm Wind
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Damage was reported to buildings and cars on Williams and Independence Streets.

A cold front that crossed the Mid-Atlantic region during the afternoon of the 8th was accompanied by damaging winds. Showers that developed along the cold front produced winds in excess of 55 MPH over Berkeley Springs which resulted in severe wind damage around Williams and Independence Streets. Around 1:30 PM EDT high winds ripped off part of a mall's roof and sent debris flying into 10 parked cars and 2 surrounding buildings. One car with 4 occupants had the rear window smashed by debris, but remarkably no one was injured. One nearby building had an air conditioning unit blown off a windowsill. Three pieces of roof debris also penetrated a brick wall on a nearby building. One wooden board that entered the structure ricocheted off a door jam and became lodged in the ceiling.

Grant County 10 W Jordan Run

17	0000EST 1800EST				0	0			Heavy Rain
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Over 2.5 inches of rain fell in 18 hours at Red Creek.

Low pressure across the Mid-Atlantic region on the morning of the 17th in combination with easterly winds off the Atlantic Ocean produced showers and thunderstorms with very heavy rainfall. The storms dropped a total of 2.55 inches of rainfall near Red Creek in Western Grant County.