



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2002

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

ANZ535 3 S Wdrow Wilson Mem	01	1728EST			0	0			Marine Tstm Wind (G50)
Trees were downed along the George Washington Parkway along the Potomac River shoreline.									
ANZ535 2 E Woodbridge	01	1805EST			0	0			Marine Tstm Wind (G50)
Trees were downed on Mason Neck along the Potomac River shoreline.									
ANZ535 8 SW Wdrow Wilson Mem	01	1915EST			0	0			Marine Tstm Wind (G50)
Trees were downed in Mt. Vernon along the Potomac River shoreline.									
ANZ537 Lewisetta	24	1700EST			0	0			Marine Tstm Wind (G38)
A wind gust of 44 MPH was recorded.									
ANZ537 5 W Coltons Pt	28	0916EST 1003EST			0	0			Waterspout
A "couple" of waterspouts were spotted near Cobb Island.									
ANZ536 Route 301 Bridge	28	0950EST			0	0			Waterspout
A waterspout formed near Morgantown and moved north toward the Route 301 bridge. This waterspout dissipated just before striking land south of Faulkner.									
ANZ532 8 E Annapolis	28	0957EST 1005EST			0	0			Waterspout
A waterspout was reported near the Bay Bridge just off the Queen Anne County shoreline.									
At least four waterspouts formed on the Tidal Potomac River and the Maryland Portion of the Chesapeake Bay between 10 and 11:30 AM EDT on the 28th. The waterspouts caused no damage, but one near the Route 301 bridge on the Tidal Potomac River came close enough to land that a tornado warning was issued for southern Charles County. The funnel dissipated before the storm came ashore just south of Faulkner.									

DISTRICT OF COLUMBIA

DCZ001	District Of Columbia				0	0			Excessive Heat
	01	1000EST							
	05	2000EST							
High pressure off the Atlantic Coast pumped hot and humid air into the Mid-Atlantic region. This caused high temperatures to reach between 95 and 100 degrees August 1st through the 5th. Dew points in the upper 60s to mid 70s forced heat indexes to soar to between 98 and 110 degrees. At Washington Reagan National Airport, a record high of 99 degrees was set on the 1st and a record high of 100 was set on the 2nd. Highs at National Airport were 95 degrees or above for 6 consecutive days, making this heat wave the hottest in five years.									
District Of Columbia Southeast Portion	03	1530EST			1	2	30K	Thunderstorm Wind	
A man was killed and two women were injured when a tree fell onto a car. Other trees were also downed nearby.									
A thunderstorm with high winds moved through the District around 4:30 PM EDT. Several trees were downed in the southeast portion of the city. One large tree was downed onto a van carrying three people at the intersection of 17th and E streets SE. The backseat passenger, a 35-year old man, was killed. Two women, ages 41 and 53, who were sitting in the front seat sustained minor injuries. Trees were also splintered on Capitol Hill, littering yards and streets with debris. Other trees were downed onto Massachusetts and Pennsylvania avenues. M35VE									



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DISTRICT OF COLUMBIA

District Of Columbia

Northwest Portion	05	1617EST			0	0	0.50K		Thunderstorm Wind
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A large oak tree was downed.

A thunderstorm with high winds downed a large oak tree onto 33rd Avenue in Northwest D.C.

DCZ001

District Of Columbia

12	1000EST				0	0			Excessive Heat
19	2000EST								

High pressure sitting off the Atlantic coastline pumped hot and humid air into the region between August 12th and 19th. Temperatures soared well into the 90s during the afternoon each day and heat index values approached 100 degrees. At Washington Reagan National Airport, a record high temperature of 99 degrees was set on the 14th. The mercury rose to a record breaking 98 degrees on the 18th and 19th. Since record keeping began in Washington D.C. in 1871, there have only been two other years where a string of 8 consecutive days that reached 95 degrees or above has been recorded.

DCZ001

District Of Columbia

22	1000EST				0	0			Excessive Heat
	2000EST								

High temperatures rose into the mid 90s on the 22nd. With dew points in the lower to mid 70s, heat index values soared to near 105 degrees during the afternoon.

MARYLAND, Central

MDZ002>007-009>011-013>014-016>018

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

01	1000EST				7	0			Excessive Heat
05	2000EST								

High pressure off the Atlantic Coast pumped hot and humid air into the Mid-Atlantic region. This caused high temperatures to reach between 92 and 100 degrees August 1st through the 5th. Dew points in the upper 60s to mid 70s forced heat indexes to soar to between 98 and 110 degrees. Seven residents of Baltimore County and Prince George's County succumbed to the excessive heat. In Baltimore City, a 56 year old man and a 74 year old man were found dead in their home on the 5th. On the 6th, an 88 year old man was found dead in his home. On the 7th, a 36 year old man being held in jail was found dead in his cell from heat related causes. In Baltimore County, a 30 year old woman was found dead in her home. In Prince George's County, a 51 year old woman died in her home on the 5th. On the 7th, a 46 year old man died from a combination of drug use and the heat. In Frederick County, eleven people in participating in an outdoor activity in Ijamsville were treated for heat illnesses. The heat was also blamed for buckling pavement on Interstate 70 near the Route 355 exit. Several regional power companies noted record energy consumption during this heat wave, the hottest in 5 years. F51PH, M46OT, M36OT, M56PH, M74PH, M88PH, F30PH

Prince George'S County

Oxon Hill	01	1718EST			0	0			Hail(1.00)
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Quarter sized hail fell.

Charles County

Indian Head	01	1745EST			0	0	2K		Thunderstorm Wind
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Trees were downed.

Thunderstorms with high wind and large hail moved through Prince Georges and Charles counties between 6 and 7 PM EDT. Quarter sized hail was reported in Oxon Hill. Trees were downed in Indian Head.



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MARYLAND, Central

Allegany County

3 W Flintstone **02** **1645EST** **0** **0** **Hail(1.50)**
Ping pong sized hail covered Interstate 68.

Baltimore County

North Portion **02** **1848EST**
 1900EST **0** **0** **40K** **Thunderstorm Wind**
Numerous trees were downed.

Harford County

Northwest Portion **02** **1912EST** **0** **0** **5K** **Thunderstorm Wind**
Trees and wires were downed.

Thunderstorms with large hail and damaging winds moved through the northern Portion of Maryland between 5:30 and 8:30 PM EDT. In Allegany County, ping pong ball sized hail covered Interstate 68 three miles west of Flintstone. In Baltimore County, multiple trees were downed onto Graystone Road in Graystone. Just west of Interstate 83 in the Belfast area, trees were downed along Belfast Road. In Monkton, forty to sixty trees up to 8 feet in diameter were uprooted or snapped. Near Gemmills, two trees were blocking the intersection of White Hall and Vernon roads. Just northeast of Gemmills on Garrett Road, numerous trees and power lines were downed onto a home in the 2800 block. A bulldozer had to be called in to clear the road due to the amount of downed trees and power lines before officials could respond to the home. In Harford County, high winds downed trees in the Norrisville, Shawsville, and Jarrettsville areas. One tree was downed onto a power pole on White Hall Road. Houcks Road was blocked by a downed tree. Wires were downed at the intersection of Jarrettsville Pike (Route 146) and Pocock Road in Taylor.

Baltimore County

1 NE West Liberty **02** **2324EST** **0** **0** **10K** **Thunderstorm Wind**
Trees were downed.

Baltimore City (C)

Baltimore **03** **0045EST** **0** **0** **100K** **Thunderstorm Wind**
Several trees were downed in Patterson Park. Power lines and cars were damaged in the surrounding community.

Thunderstorms with high winds moved through Baltimore County between Midnight and 2 AM EDT on the 3rd. Just northeast of West Liberty, trees and power lines were downed onto Old York and West Liberty Roads. In Baltimore, numerous trees were snapped or uprooted in Patterson Park and the surrounding neighborhood. Some branches downed electrical wires and at least one tree fell onto a car. A 70-foot flag pole was also downed. Several homes around the park sustained shingle and gutter damage. Numerous lightning strikes were also reported with this storm.

Frederick County

Frederick **03** **1303EST** **1** **0** **Lightning**
A 52-year old man was killed by lightning while standing on his deck on Millstream Drive. M52OU

Frederick County

Frederick **03** **1313EST** **0** **2** **Lightning**
A 17-year old lifeguard at a swimming pool and a 36-year old man were injured by lightning.

Allegany County

Cumberland **03** **1330EST** **0** **0** **5K** **Thunderstorm Wind**
Trees and power lines were downed.

Baltimore County

South Portion **03** **1351EST** **0** **0** **Hail(1.00)**
Quarter sized hail fell 10 miles northwest of Baltimore.



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MARYLAND, Central

Howard County

Clarksville	03	1400EST			0	0	500K		Lightning
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A home on Talon Court burned to the ground after being struck by lightning. The event time was estimated.

Montgomery County

Layhill to Olney	03	1445EST			0	0	2K		Thunderstorm Wind
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Trees and large branches were downed.

Prince George'S County

Seat Pleasant	03	1445EST			0	0	2K		Thunderstorm Wind
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Trees were downed.

Baltimore County

Owings Mills	03	1500EST			0	0	2K		Thunderstorm Wind
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Trees were downed.

Prince George'S County

Camp Spgs	03	1505EST			0	0			Hail(0.75)
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Penny sized hail fell.

Carroll County

Eldersburg	03	1512EST			0	0			Hail(0.75)
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Dime sized hail fell.

Frederick County

Park Mills	03	1540EST			0	0	1K		Thunderstorm Wind
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Wind damage was reported.

Howard County

Scaggsville	03	1600EST			0	0			Hail(1.00)
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Quarter sized hail was reported.

Montgomery County

Derwood	03	1600EST 1620EST			0	0	50K		Thunderstorm Wind
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Structures were damaged by downed trees.

Frederick County

2 S Frederick	03	1610EST 1616EST			0	0			Hail(1.00)
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Quarter sized hail fell.

Several thunderstorms with high winds, large hail, and frequent lightning moved through western and central Maryland between 2 and 6 PM EDT. In Allegany County, a few trees and power lines were downed in Cumberland. Pea sized hail was also reported. In Frederick County, a 52 year old man was killed by lightning while standing on the back porch of his Frederick home. It was not raining at the time he was struck. A 17 year old swimming pool lifeguard at Fort Detrick was injured when lightning struck nearby. He had just evacuated the pool and was walking toward the pool house when he was struck. A 36 year old Frederick County man was also injured by lightning in an unknown location. At least 4 homes across the county were damaged by lightning and 2000 bales of hay were set on fire near Emmitsburg. Wind damage was reported in Park Mills. Marble to quarter sized hail fell just south of Frederick for nearly 10 minutes. In Carroll County, dime sized hail fell in Eldersburg. In Baltimore County, quarter sized hail fell 10 miles northwest of Baltimore. Trees were downed in Owings Mills. In Howard County, quarter sized hail fell in Scaggsville. A home on Talon Court in Clarksville burned to the ground after being struck by lightning. In Montgomery County, trees were uprooted, roofs were damaged, and windows were blown out in Derwood. Many large branches were downed in Layhill where 2.5 inches of rain fell. A tree was downed onto Cashell Road in Olney. In Prince Georges County, penny sized hail fell in Camp Springs. Pea sized hail fell in Bowie and College Park. Trees were downed in Seat Pleasant. Several tree limbs were downed in Hyattsville. A house in Suitland caught fire after being struck by lightning and one person was slightly injured at the scene.



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MARYLAND, Central

Allegany County

Oldtown **05 1345EST** **0 0 0.50K** **Thunderstorm Wind**
Two trees were downed.

Frederick County

Buckeystown **05 1430EST** **0 0 2K** **Thunderstorm Wind**
Several large tree branches were downed.

Frederick County

4 E Frederick **05 1445EST** **0 0 0.50K** **Thunderstorm Wind**
A tree was downed at the intersection of Route 144 and Meadow Road.

Frederick County

5 E Frederick **05 1445EST** **0 0 20K** **Thunderstorm Wind**
A home was damaged when a 6-foot diameter tree fell onto it.

Montgomery County

Damascus **05 1510EST** **0 0** **Hail(0.88)**
Nickel sized hail fell.

Montgomery County

Gaithersburg **05 1630EST** **0 0 1K** **Thunderstorm Wind**
A tree was downed onto an electrical wire.

Thunderstorms with large hail and winds gusting to 60 MPH moved through Allegany County and a portion of Central Maryland between 2:30 and 5:30 PM EDT. In Allegany County, two trees were downed in Oldtown. In Frederick County, several large tree limbs were downed near Buckeystown. A home on Boyer's Mill Road east of Frederick was extensively damaged when a 6-foot diameter tree fell onto it. Smaller trees in the vicinity were also downed. At the intersection of Route 144 and Meadow Road, a tree was downed onto a guardrail. In Montgomery County, nickel sized hail and 40 to 50 MPH winds were reported in Damascus. In Gaithersburg, a tree was downed onto an electrical wire.

MDZ002>007-009>011-013>014-016>018

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

12 1000EST **4 0** **Excessive Heat**
19 2000EST

High pressure sitting off the Atlantic coastline pumped hot and humid air into the region between August 12th and 19th. Temperatures soared well into the 90s during the afternoon each day and heat index values approached 100 degrees. At Baltimore-Washington International Airport, a record high temperature of 99 degrees was set on the 13th. On the 18th, the mercury soared to a record high of 96. Four Marylanders died during the eight day heat wave. In Prince George's County, a 66 year old woman died on the 19th. In Baltimore, two men, ages 51 and 62, were found dead in their homes on the 17th. On the 20th, a 38-year old man died in the city. In Washington County, three people were treated for serious heat-related illnesses after participating in outdoor activities. In Harford County, at least 13 people were treated in hospitals for heat-related problems. M51PH, M62PH, M38OT, F66OT

Allegany County

Cumberland **13 2145EST** **0 0 5K** **Thunderstorm Wind**
Trees were downed.

A thunderstorm with high winds passed through Allegany County between 10 and 11:30 PM EDT. Trees were downed about a mile north of downtown Cumberland. Trees were also downed onto a home and power lines on Old Willowbrook Road east of town.

Montgomery County

Beallsville **14 0045EST** **0 0 0.50K** **Thunderstorm Wind**
A tree was downed onto railroad tracks.

A thunderstorm with gusty winds moved through Montgomery County between 1 and 2 AM EDT. It downed a large tree onto



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MARYLAND, Central

railroad tracks near the Barnesville station.

MDZ002>007-009>011-013>014-016>018	Allegheny - Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert								
	22	1000EST 2000EST			3	0			Excessive Heat

High temperatures rose into the mid 90s on the 22nd. With dew points in the lower to mid 70s, heat index values soared to near 105 degrees during the afternoon. Three people died as a result of the excessive heat. In Prince George's County, a 43-year old man was found dead in his home on the 22nd. In the city of Baltimore, a 72-year old man died in his home on the 22nd and a 74-year old man was found dead in his home on the 26th. M72PH, M74PH, M43PH

Frederick County
2 SW Urbana

	23	1845EST			0	0	10K		Thunderstorm Wind
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A downburst of winds estimated between 60 and 70 MPH downed several trees.

A thunderstorm produced a localized downburst of wind between 60 and 70 MPH about 2 miles southwest of Urbana. An area roughly one quarter mile square just south of the intersection of Peters Road and Thurston Road sustained heavy tree damage. Pine, walnut, and sycamore trees were either snapped or pushed over with the roots still attached. Some of the trees landed on fencing and a vehicle. Other downed trees blocked Peters Road.

Charles County
Marbury

	24	1455EST			0	0	2K		Thunderstorm Wind
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Trees were downed.

A thunderstorm with high winds moved through Charles County around 4 PM EDT. It downed trees in the Marbury area.

VIRGINIA, North

VAZ025>031-036>042-050>057 **Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George**

	01 05	1000EST 2000EST			0	0			Excessive Heat
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High pressure off the Atlantic Coast pumped hot and humid air into the Mid-Atlantic region. This caused high temperatures to reach between 92 and 100 degrees August 1st through the 5th. Dew points in the upper 60s to mid 70s forced heat indexes to soar to between 98 and 110 degrees. At Dulles International Airport, a record high of 99 degrees was set on the 2nd and 4th. At Washington Reagan National Airport, a record high of 99 degrees was set on the 1st and a record high of 100 was set on the 2nd. Highs at National Airport were 95 degrees or above for 6 consecutive days, making this heat wave the hottest in five years.

Alexandria (C)
Alexandria

	01	1722EST			0	0	5K		Thunderstorm Wind
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Trees were downed.

Fairfax County
Belle View

	01	1728EST			0	0	2K		Thunderstorm Wind
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Trees were downed onto the George Washington Parkway near Morningside Lane.

Prince William County
Woodbridge to
Dumfries

	01	1744EST			0	0	10K		Thunderstorm Wind
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Numerous trees were downed.

Fairfax County
3 SE Colchester

	01	1805EST			0	0	20K		Thunderstorm Wind
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Numerous large trees were downed on Mason Neck and a garage was damaged.



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August 2002

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					Killed	Injured	Property	Crops

VIRGINIA, North

Alexandria (C)

Alexandria	01	1849EST			0	0			Hail(0.88)
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Nickel sized hail fell at the intersection of Interstate 495 and Telegraph Road

Fairfax County

Franconia	01	1849EST			0	0			Hail(0.88)
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Nickel sized hail fell at the intersection of Interstate 495 and Telegraph Road

Stafford County

1 N Widewater	01	1900EST			0	0			Hail(0.75)
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Dime sized hail fell.

Fairfax County

Mt Vernon	01	1915EST			0	0	10K		Thunderstorm Wind
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Trees were downed onto houses.

Thunderstorms with large hail and damaging winds pushed through several Northern Virginia communities between 6 and 9 PM EDT. In Alexandria, nickel sized hail was reported. Trees were also downed in the city. In Fairfax County, the Mason Neck area was hardest hit. High winds downed numerous trees, including 40 that were blown over on 20 acres of private property along the Potomac River just north of Gunston Hall. A garage was heavily damaged by a downed tree. Extensive tree damage was also reported in Pohick Park. So many trees were downed that trails and picnic areas had to be closed. A second storm caused damage in the Mount Vernon area. A number of trees were downed onto yards and homes in the Waynewood and Stratford Landing subdivisions. In the Belle View area, trees were downed on the George Washington Parkway and Morningside Lane. In Prince William County, numerous trees were downed along the Route 1 corridor from Woodbridge to Dumfries. Marble sized hail was reported at the Quantico Marine Corps Base. In Stafford County, dime sized hail fell one mile north of Widewater.

Manassas Park (C)

Manassas Park	03	1330EST 1500EST			0	0			Heavy Rain
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A total of 5.25 inches of rain fell.

Fairfax County

Reston	03	1347EST			0	0			Hail(0.75)
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Dime sized hail was reported.

Fairfax County

Centreville to 2 SE Chantilly	03	1400EST 1425EST			0	0			Hail(1.00)
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Marble to quarter sized hail fell from Centreville to Greenbriar.

Fairfax County

2 S Chantilly	03	1405EST			0	0			Hail(1.00)
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Quarter sized hail damaged a car near the intersection of Route 28 and Westfield Road.

Fairfax County

Centreville	03	1410EST 1427EST			0	0	10K		Thunderstorm Wind (G61)
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Over 20 trees were downed by winds estimated around 70 MPH.

Fairfax (C)

Fairfax	03	1415EST			0	0	50K		Lightning
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A home on Forestdale Drive was damaged by a lightning fire.

Manassas (C)

Manassas	03	1415EST 1442EST			0	0			Hail(1.00)
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Marble to quarter sized hail dented vehicles.



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<u>VIRGINIA, North</u>									
Manassas Park (C)									
Manassas Park	03	1415EST 1442EST			0	0			Hail(1.00)
Marble to quarter sized hail fell.									
Fairfax County									
Annandale	03	1432EST			0	0			Hail(0.75)
Dime sized hail was reported.									
Manassas (C)									
Manassas	03	1442EST 1447EST			0	0	500K		Thunderstorm Wind
Trees were snapped by high winds.									
Prince William County									
1 NE West Gate Of Lom	03	1445EST 1455EST			0	0	2K		Thunderstorm Wind
Power lines were downed in Sudley.									
Prince William County									
Manassas Arpt	03	1455EST			0	1	1.5M		Thunderstorm Wind (G58) ^M
A wind gust of 67 MPH damaged planes and buildings at the airport.									
Rockingham County									
Bridgewater	03	1500EST 1600EST			0	0			Heavy Rain
Heavy rainfall caused a storm drain to push out of the ground.									
Harrisonburg (C)									
Harrisonburg	03	1509EST			0	0	150K		Thunderstorm Wind
Two roofs were blown off and numerous trees and utility lines were downed.									
Fredericksburg (C)									
Fredericksburg	03	1515EST 1525EST			0	0			Hail(0.75)
Dime sized hail fell.									
Harrisonburg (C)									
Harrisonburg	03	1515EST			0	0			Hail(1.75)
Dime to golfball sized hail was reported.									
Spotsylvania County									
Northwest Portion	03	1520EST			0	0	2K		Thunderstorm Wind
Trees were downed 12 miles west of Fredericksburg.									
Spotsylvania County									
Spotsylvania	03	1520EST			0	0	5K		Lightning
A lightning fire damaged a home on Smith Station Road.									
Augusta County									
Mt Solon	03	1530EST			0	2			Lightning
Two campers at Natural Chimneys Regional Park were struck by lightning. Lightning also downed trees onto two cars and a mobile home nearby.									
Fairfax County									
Springfield	03	1530EST			0	0	100K		Lightning
A townhouse on Sumptner Lane was damaged by a lightning fire.									
Prince William County									
1 NE West Gate Of Lom	03	1530EST			0	0	2K		Thunderstorm Wind
Trees were downed in Sudley.									
Stafford County									
5 SW Ruby	03	1530EST			0	0			Hail(0.75)
Dime sized hail fell in Heflin.									



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<u>VIRGINIA, North</u>									
Shenandoah County									
Mt Jackson	03	1540EST			0	0			Hail(1.75)
			Golfball sized hail fell.						
Fauquier County									
Midland	03	1545EST			0	0	5K		Thunderstorm Wind
			A tree was downed onto a truck.						
Culpeper County									
Southeast Portion	03	1554EST			0	0	2K		Thunderstorm Wind
			Trees were downed onto roads.						
Shenandoah County									
Edinburg	03	1610EST			0	0	1K		Thunderstorm Wind
			Trees were downed. The event time was estimated.						
Shenandoah County									
3 S Strasburg	03	1615EST			0	0	2K		Thunderstorm Wind
			Trees were downed in Fort Valley.						
Highland County									
Mill Gap	03	1630EST			0	0	0.50K		Thunderstorm Wind
			A few trees were downed.						
Orange County									
2 SE Flatrun	03	1649EST 1700EST			0	0	10K		Thunderstorm Wind
			Trees were downed ont homes and a car.						
Nelson County									
Arrington	03	1654EST			0	0	0.50K		Thunderstorm Wind
			A tree was downed.						
Warren County									
Countywide	03	1700EST 1800EST			0	0			Heavy Rain
			Streets were covered by water in the northern and central portions of the county.						
Winchester (C)									
Winchester	03	1705EST			0	0			Hail(0.75)
			Dime sized hail fell.						
Nelson County									
3 SE Tye River	03	1715EST			0	0	1K		Thunderstorm Wind
			Trees were downed in Piedmont.						
Augusta County									
Mint Spg	03	1723EST			0	0	1K		Thunderstorm Wind
			Trees were downed.						
Nelson County									
Shipman	03	1830EST 1900EST			0	0			Flash Flood
			Floodwaters covered Route 56.						
Warren County									
Countywide	03	1845EST			0	0	195K		Lightning
			A home burned to the ground in Point of Woods after being struck by lightning.						

Numerous thunderstorms with high winds, large hail, frequent lightning, and heavy downpours moved through the region between 2 and 8 PM EDT. In Nelson County, trees were downed in Arrington and Piedmont. Flood waters covered Route 56 in Shipman. In Augusta County, trees were downed in Mint Spring. Two campers were injured by lightning in Natural Chimneys Regional Park near Mt. Solon. They were holding onto an awning when lightning struck and they both sustained minor injuries. Lightning also downed trees onto two cars and a mobile home nearby. In Highland County, a few trees were downed in Mill Gap. In Rockingham County, the hardest hit community was Harrisonburg. Two buildings, in the heart of downtown on Main and North Liberty streets,



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2002

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

lost their roofs to high winds. Roof debris crashed down onto nearby streets and utility lines. Numerous trees were downed and marble to dime sized hail fell. Two inches of rain fell in 30 minutes. In Bridgewater, heavy downpours caused a storm drain to be pushed out of the ground. Pea sized hail was also reported. In Shenandoah County, golfball sized hail fell in Mt. Jackson. Trees were downed in Fort Valley. In Warren County, 2.17 inches of rain was recorded at Manassas Gap. Minor flooding was reported in the northern and eastern portions of the county. Trees were downed in Edinburg. A home in the Point of Woods area was destroyed by a lightning fire. In Frederick County, dime sized hail was reported in Winchester.

In Fauquier County, a tree was blown onto a truck in Midland. A man inside was trapped, but uninjured. In Culpeper County, trees were downed onto Edwards Shop Road and Kelly Ford Road in the southeastern portion of the county. In Orange County, trees were downed in Lake of the Woods. One tree fell onto a car and two trees fell onto homes. In Spotsylvania County, dime sized hail fell in Fredericksburg. Trees were downed 12 miles west of Fredericksburg. A home in Spotsylvania was damaged by lightning. In Stafford County, dime sized hail fell in Heflin. In Fairfax County, dime sized hail fell in Reston and Annandale. Quarter sized hail was reported in Centreville, Fairfax, and just south of Chantilly. In Greenbriar, a spotter reported 30 straight minutes of hail. During this time, large hail up to a quarter in size fell for 10 minutes and dented cars. In Fairfax, a spotter reported a wind gust in excess of 50 MPH. Several trees were downed in the Centreville where a spotter estimated a wind gust of 70 MPH and 2 inches of rain in less than 40 minutes. Lightning set a townhouse in Springfield and a home in Fairfax on fire.

In Prince William County, nearly 2 million dollars in damage was reported in the Manassas area. A wind gust of 67 MPH was recorded at the Manassas Airport. An unofficial wind gust of 89.7 MPH was recorded atop the airport control tower as it was being evacuated. Several buildings on the airport grounds sustained damage, including a hangar which lost a quarter of its roof and a door. Two airplanes were destroyed and three were damaged. A commercial blimp was torn away from its mooring and blown one half mile away from the airport. A person who was trying to secure the blimp was carried along with it and sustained minor injuries when the craft landed. The high winds downed numerous trees in Manassas, Manassas Park, and Sudley. In addition, dime to quarter sized hail fell in Manassas and Manassas Park for over 20 minutes. Extensive roof, siding, and vehicle damage resulted. Very heavy downpours also caused minor flooding on streets. An observer in Manassas Park reported a total of 5.25 inches of rainfall in only 90 minutes.

Warren County Countywide

05	1536EST 1538EST	0	0	1K	Thunderstorm Wind
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Trees were downed.

Fairfax County Great Falls

05	1605EST	0	0	2K	Thunderstorm Wind
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Trees and power lines were downed along Old Georgetown Pike.

Fairfax County Mc Lean

05	1613EST	0	0	3K	Thunderstorm Wind
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Several 3 foot diameter trees were downed near the intersection of the Beltway and Georgetown Pike

A thunderstorm with high winds downed trees in Warren and Fairfax Counties. In Warren County, trees were downed across Front Royal and in scattered locations around the county. In Fairfax County, several trees up to 3 feet in diameter were downed near the intersection of the Beltway and Georgetown Pike near McLean. In Great Falls, downed trees and power lines blocked roads along Old Georgetown Pike.

VAZ025>031-036>042-050>057

Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

12 19	1000EST 2000EST	0	0	Excessive Heat
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High pressure sitting off the Atlantic coastline pumped hot and humid air into the region between August 12th and 19th. Temperatures soared well into the 90s during the afternoon each day and heat index values approached 100 degrees. Several high temperature records were broken during the heat wave. At Dulles International Airport, a record high temperature of 98 degrees was reached on the 12th and 13th. On the 18th, a new record high of 97 was set and on the 19th the mercury reached a record setting 95 degrees. At Washington Reagan National Airport, a record high temperature of 99 degrees was set on the 14th. The mercury rose to a record breaking 98 degrees on the 18th and 19th. Since record keeping began in Washington D.C. in 1871, there have only been two other years where a string of 8 consecutive days that reached 95 degrees or above has been recorded.



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2002

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

Warren County

Front Royal	18	1345EST			0	0	25K		Lightning
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A steeple was damaged by lightning.

Nelson County

Countywide	18	1500EST			0	0	30K		Lightning
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Lightning strikes caused structure fires.

Thunderstorms with frequent lightning and gusty winds moved through the Central and Southern Shenandoah Valley between 2 and 4 PM EDT. In Warren County, the steeple of a building at Randolph-Macon Academy in Front Royal was damaged by a lightning fire. In Nelson County, lightning started structure fires in the Shipman, Arrington, and Lovingston areas. At the airport in Charlottesville, a wind gust of 52 MPH was recorded.

VAZ025>031-036>042-050>057

Augusta - Rockingham - Shenandoah - Frederick - Page - Warren - Clarke - Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George

22		1000EST			0	0			Excessive Heat
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High temperatures rose into the mid 90s on the 22nd. With dew points in the lower to mid 70s, heat index values soared to near 105 degrees during the afternoon.

Fredericksburg (C)

Fredericksburg	24	1455EST			0	0			Lightning
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Several fires were started by lightning strikes.

Fredericksburg (C)

Fredericksburg	24	1455EST			0	0	10K		Thunderstorm Wind
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Trees and power lines were downed. One tree fell onto a home on Parker Street.

Spotsylvania County

Countywide	24	1455EST			0	0			Lightning
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Several fires were started by lightning strikes.

King George County

King George	24	1600EST			0	0	2K		Thunderstorm Wind
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A few trees were downed.

Scattered thunderstorms with frequent lightning and high winds moved through Spotsylvania and King George counties between 3:30 and 5 PM EDT. In Spotsylvania County, trees and power lines were downed, mainly in and around Fredericksburg. One tree fell onto a home on Parker Street. A spotter in Fredericksburg estimated 55 MPH winds with the storm. Several Spotsylvania County structure fires were attributed to the frequent lightning that accompanied the storm. In King George County, a few trees were downed and a few power outages were reported in King George.

WEST VIRGINIA, East

WVZ048>053-055

Grant - Mineral - Hampshire - Morgan - Berkeley - Jefferson - Hardy

01		1000EST			0	0			Excessive Heat
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High pressure off the Atlantic Coast pumped hot and humid air into the Mid-Atlantic region. This caused high temperatures to reach between 92 and 100 degrees August 1st through the 5th. Dew points in the upper 60s to mid 70s forced heat indexes to soar to between 98 and 110 degrees.

Mineral County

North Portion	03	1345EST			0	0			Heavy Rain
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1445EST

