

National Weather Service
Storm Data and Unusual Weather Phenomena

August 2005

		Time Local	Path Length	Path Width	# of persons		Estimated Damage		
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
ATLANTIC NORTH									
ANZ532	Chesapeake Bay Sandy Pt to N Beach Md								
4 SW Stevensville	05	1535EST			0	0			Marine Tstm Wind (MG43)
Wind gust measured at Kent Island. A weak cold front moved east from the Appalachian Mountains and interacted with the moist and unstable air mass that was already in place around the Mid-Atlantic. This situation sparked off scattered thunderstorms during the afternoon and evening. A few of these thunderstorms reached severe criteria. The principal hazard associated with these storms was damaging wind gusts. Additionally, a few of the storms generated large hail.									
ANZ531	Chesapeake Bay Pooles Is to Sandy Pt Md								
10 W Riviera Beach	05	1819EST			0	0			Marine Tstm Wind (MG43)
Wind gusts measured at Baltimore/Washington Airport.									
ANZ532	Chesapeake Bay Sandy Pt to N Beach Md								
4 SW Stevensville	05	1910EST			0	0			Marine Tstm Wind (MG35)
Wind gust measured at Kent Island.									
ANZ533	Chesapeake Bay N Beach to Drum Pt Md								
Cove Pt	05	2030EST			0	0			Marine Tstm Wind (MG35)
ANZ533	Chesapeake Bay N Beach to Drum Pt Md								
1 NE Cove Pt	07	1030EST			0	0			Marine Tstm Wind (MG39)
Wind gust measured at Cambridge. A weak frontal boundary remained stalled across the Mid-Atlantic on August 7. Daytime heating conditions were sufficient to cause a few strong to severe thunderstorms to develop during the daylight hours. There were also a few reports of large hail in the higher terrain.									
ANZ532	Chesapeake Bay Sandy Pt to N Beach Md								
Tilghman Island	08	1932EST- 1940EST			0	0			Waterspout
The Coast Guard reported a waterspout For the fourth day in a row, a stalled frontal boundary helped to produce scattered afternoon thunderstorms in the Mid-Atlantic. In addition, the level of moisture in the atmosphere on this day was quite high, and allowed a few thunderstorms to produce torrential rainfall amounts, and some reports of flooding. There were also a few thunderstorms that reached severe limits, primarily causing some thunderstorm wind damage reports. Finally, partially due to a turning of the winds just above the surface of the Earth, there was a report of a waterspout in the middle Chesapeake Bay. This waterspout was not reported to have come ashore.									
ANZ531	Chesapeake Bay Pooles Is to Sandy Pt Md								
2 N Millers Island	27	0925EST- 0935EST			0	0			Waterspout
The waterspout was associated with gusty winds moving through the area at the time. The waterspout formed near the entrance to Middle River in the Chesapeake Bay, and then moved north to near Carroll Island, before quickly dissipating. There were no reports that the waterspout moved onshore. The weather pattern across the Mid-Atlantic was fairly complex on August 27. Hurricane Katrina had not yet come ashore in the Gulf Coast area, however, the larger wind circulations from the hurricane were causing warm and moist southerly winds to impact the Mid-Atlantic. This flow allowed a few thunderstorms to develop and cause torrential rainfall and a few reports of flooding. In addition, the wind flow just above the ground was such that a persistent waterspout formed near Baltimore in the Chesapeake Bay. There may have been other waterspouts form, however there were no additional reports of waterspouts received at the National Weather Service office in Sterling.									

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MARYLAND. Central									
Anne Arundel County									
Greenock	05	1900EST			0	0	5K		Thunderstorm Wind (EG50)
Trees and power lines downed. A weak cold front moved east from the Appalachian Mountains, and interacted with the moist and unstable air mass that was already in place around the Mid-Atlantic. This situation sparked off scattered thunderstorms during the afternoon and evening. A few of these thunderstorms reached severe criteria. The principal hazard associated with these storms was damaging wind gusts. Additionally, a few of the storms generated large hail.									
Charles County									
Pomfret	05	1900EST			0	0	3K		Thunderstorm Wind (EG50)
Trees downed at Billingsly and Bensville Roads.									
Allegany County									
Oldtown	07	1605EST- 1609EST			0	0			Hail (1.75)
Hail reported from the Coco Road area. A weak frontal boundary remained stalled across the Mid-Atlantic on August 7. Daytime heating conditions were sufficient to cause a few strong to severe thunderstorms to develop during the daylight hours. There were also a few reports of large hail in the higher terrain.									
Allegany County									
Oldtown	07	1610EST			0	0	2K		Thunderstorm Wind (EG50)
Several trees down along Coco Road.									
Baltimore County									
Jacksonville	08	1425EST			0	0	4K		Thunderstorm Wind (EG50)
Trees and power lines downed. For the fourth day in a row, a stalled frontal boundary helped to produce scattered afternoon thunderstorms in the Mid-Atlantic. In addition, the level of moisture in the atmosphere on this day was quite high, and allowed a few thunderstorms to produce torrential rainfall amounts, and some reports of flooding. There were also a few thunderstorms that reached severe limits, primarily causing some thunderstorm wind damage reports. Finally, in part due to a difference in winds just above the surface of the Earth, there was a report of a waterspout in the middle Chesapeake Bay. This waterspout was not reported to have come ashore.									
Howard County									
Columbia	08	1800EST			0	0	3K		Thunderstorm Wind (EG50)
Trees down.									
Howard County									
West Friendship	08	1806EST			0	0	3K		Thunderstorm Wind (EG50)
Trees downed.									

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MARYLAND, Central									
St. Mary's County									
	09	0925EST-1000EST			0	0			Flood
Some streets were flooded in the town. A very moist atmosphere was responsible for thunderstorms producing torrential rain and copious localized rainfall. There were a few instances of significant localized flooding problems.									
St. Mary's County									
Leonardtown	09	1000EST-1200EST			0	0	100K		Flash Flood
Water rushed and flooded several buildings at the College of Southern Maryland. There were reports from the college that at one time there was two feet of water rushing into the basements of the buildings. Many roads around the college were flooded. There were several car accidents due to the flooded roads, as well as several cars that stalled and had to be recovered with tow vehicles. In addition, flooding occurred at the government center in Leonardtown, mainly due to water leaking through the roof tiles.									
Frederick County									
Ceresville	27	2000EST			0	0			Heavy Rain
One person was killed on Maryland Route 26, near Israel Creek, when their vehicle hit a utility pole during heavy rain. The road was closed for several hours while police attempted to get the body out of the car. The weather pattern across the Mid-Atlantic was fairly complex on August 27. Hurricane Katrina had not yet made landfall along the central Gulf Coast, however the larger wind circulations from the hurricane were causing warm and moist southerly winds to impact the Mid-Atlantic. This flow pattern allowed a few thunderstorms to develop and caused torrential rainfall and a few reports of flooding. In addition, the wind flow just above the ground was such that a persistent waterspout formed near Baltimore in the Chesapeake Bay. There were no additional reports of waterspouts received at the National Weather Service office in Sterling.									
Frederick County									
1 W Brunswick	30	2205EST-2208EST			0	0	20K		Thunderstorm Wind (EG60)
A survey was performed by the National Weather Service meteorologist. The survey revealed roof shingle damage on several consecutive houses along East Mountain Road. A television antenna was damaged. A few trees were downed in the same location. A south to north grove of trees west of Route 17 also was damaged. The trees were bent to the west toward the Blue Ridge Mountains. This occurred a few miles to the north of Brunswick.									
Frederick County									
2 NW Middletown	30	2220EST-2225EST			0	0	5K		Thunderstorm Wind (EG55)
Several large trees were uprooted in a valley located near the end of Tabor Drive. Some trees were also damaged on Station Road a little further to the north.									
Frederick County									
1 NW Emmitsburg	30	2305EST-2307EST			0	0	5K		Thunderstorm Wind (EG50)
A few trees were downed on Tract Road just south of the Pennsylvania state border. There was also some tree damage on Cool Road.									

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<u>VIRGINIA, North</u>									
Loudoun County									
Purcellville	05	1600EST			0	0	5K		Thunderstorm Wind (EG50)
Trees and power lines down in the Purcellville/Round Hill area. A weak cold front moved east from the Appalachian Mountains, and interacted with the moist and unstable air mass that was already in place around the Mid-Atlantic. This situation sparked off scattered thunderstorms during the afternoon and evening. A few of these thunderstorms reached severe criteria. The principal hazard associated with these storms was damaging wind gusts. Additionally, a few of the storms generated large hail.									
Rappahannock County									
Sperryville	05	1722EST			0	0	1K		Thunderstorm Wind (EG50)
Three foot tree downed.									
Fauquier County									
Cassanova	05	1921EST			0	0	3K		Thunderstorm Wind (EG50)
Tree limbs, power lines, and one tree downed.									
Spotsylvania County									
Countywide	05	2015EST- 2020EST			0	0	20K		Thunderstorm Wind (EG50)
Numerous trees down countywide.									
King George County									
Countywide	05	2045EST- 2048EST			0	0	20K		Thunderstorm Wind (EG50)
Trees and power lines downed countywide.									
Albemarle County									
Earlysville	06	1734EST- 1737EST			0	0	9K		Thunderstorm Wind (EG50)
Numerous trees down along Route 29 in the northern portion of the county. A frontal boundary was stalled across the Mid-Atlantic, and interacted with the moist and unstable air mass already in place. Scattered thunderstorms developed during the afternoon due to the heating of the surface of the Earth. A few of these thunderstorms reached severe limits. In addition, some flooding conditions also occurred due to heavy rainfall associated with the thunderstorms.									
Albemarle County									
Central Portion	06	1735EST- 1737EST			0	0			Hail (0.75)
Dime sized hail was reported in Albemarle County.									
Albemarle County									
	06	1800EST- 1830EST			0	0			Flood
U.S. Route 250 was closed for a short period of time due to standing water.									

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<u>VIRGINIA, North</u>									
City of Charlottesville									
Charlottesville	06	1805EST			0	0	3K		Thunderstorm Wind (EG50)
Trees down on Park Street.									
Orange County									
3 NE Orange	06	1908EST			0	0	1K		Thunderstorm Wind (EG50)
Trees down across road.									
Prince William County									
Gainesville	08	2245EST- 2315EST			0	0			Flash Flood
Water was covering roads in Gainesville. For the fourth day in a row, a stalled frontal boundary helped to produce scattered afternoon thunderstorms in the Mid-Atlantic. In addition, the level of moisture in the atmosphere on this day was quite high, and allowed a few thunderstorms to produce torrential rainfall amounts, and some reports of flooding. There were also a few thunderstorms that reached severe limits, primarily causing some thunderstorm wind damage reports. Finally, partially due to a turning of the winds just above the surface of the Earth, there was a report of a waterspout in the middle Chesapeake Bay. This waterspout was not reported to have some ashore.									
Albemarle County									
Countywide	14	1702EST- 1706EST			0	0	20K		Thunderstorm Wind (EG50)
Trees down countywide.									
City of Charlottesville									
Charlottesville	14	1702EST- 1704EST			0	0	10K		Thunderstorm Wind (EG50)
Trees down in the city.									
Albemarle County									
Woodridge	15	1745EST			0	0	1K		Thunderstorm Wind (EG50)
Two trees down in the eastern portion of the county.									
Madison County									
Haywood	30	1751EST- 1752EST	0.5	50	0	0	10K		Tornado (F0)
After a survey by National Weather Service meteorologists, evidence of a brief F0 tornado touchdown was found just east of Haywood near the intersection of Routes 609 and 602 in north-central Madison County. Damage was mainly to about a dozen trees, which were toppled or snapped. Some wires were also brought down.									

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<u>VIRGINIA, North</u>									
Madison County									
Madison	30	1803EST			0	0	2K		Thunderstorm Wind (EG50)
Trees were downed near the intersection of Duet and Hoover Roads. With the remnants of Hurricane Katrina moving along a beeline from Nashville, Tennessee, northeast towards Cleveland, Ohio, during the daytime on August 30, the Mid-Atlantic was being impacted in a large but indirect way. While the main track of the storm was well to the west of the region, the winds in the lower levels of the atmosphere were becoming increasingly stronger, and with increasing amount of turning of the winds with height. While locations along and east of the Interstate 95 corridor received very little in the way of severe weather, further west, across portions of the Shenandoah Valley and Potomac Highlands, there was a large outbreak of severe weather. The primary mode of severe weather was from damaging thunderstorm wind gusts, and short-lived tornadoes. All told, there were a total of 6 confirmed tornadoes just in the National Weather Service Sterling Virginia area of responsibility. Although significant damage occurred from the severe weather, no reports were received of any injuries or fatalities.									
Albemarle County									
2 N White Hall	30	1805EST-1807EST	1	100	0	0	0.5M		Tornado (F1)
The National Weather Service surveyed wind damage in western Albemarle County near Doyleville. About 2 dozen large hardwood trees were topped or blown over on an estate of Via Lane (Route 672). The tornado touched down as the storm passed near the southeast part of Pasture Fence Mountain. The most intense tree damage (and a small portion of a fence) was along a small stream that ran through Crosscreek Farm. A resident of the farm observed the tornado, commenting on the large number of large, topped hardwood tree debris swirling overhead, up to an altitude upwards of 300 feet. The tornado lifted after it had crossed Via Lane after striking the farm. This tornado has been rated an F1 on the Fujita Scale. Of note, this storm may have produced a longer path tornado toward the White Hall area, but due to the rugged nature of the terrain, no further ground survey was conducted.									
Rappahannock County									
Sperryville	30	1823EST			0	0	3K		Thunderstorm Wind (EG50)
Trees down along Slate Mills Road.									
Culpeper County									
4 W Rixeyville	30	1830EST-1832EST	0.5	75	0	0	5K		Tornado (F0)
The National Weather Service surveyed wind damage in western Culpeper County just west of Eggbornsville. Mainly scattered F0 tree damage, a few topped and blown over small trees, was found on Routes 628 and 646, west of Eggbornsville. The tornado lifted after it crossed the Hazel River and before where it would have crossed Route 729. This tornado has been rated an F0 on the Fujita Scale. Of note, the storm that produced this tornado likely produced the F0 tornado further north in Rappahannock County about the same time.									
Rappahannock County									
Viewtown	30	1835EST-1850EST	4	75	0	0	50K		Tornado (F0)
The National Weather Service surveyed wind damage in eastern Rappahannock County near Viewpoint, to just west of Amissville. A small tornado touched down initially near Routes 640 and 642 in Viewpoint, where metal roofing was peeled off a farm outbuilding, and a few small trees were knocked down. Along the path, mainly scattered F0 tree damage was found. The tornado crossed U.S. Route 211, about 2 miles west of Amissville before lifting near Jefferson Mountain. This tornado has been rated an F0 on the Fujita Scale.									

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<u>VIRGINIA, North</u>									
Culpeper County									
4 SE Culpeper	30	1836EST			0	0	2K		Thunderstorm Wind (EG50)
Trees were downed along Highland Road. With the remnants of Hurricane Katrina moving along a beeline from Nashville, Tennessee, northeast towards Cleveland, Ohio, during the daytime on August 30, the Mid-Atlantic was being impacted in a large but indirect way. While the main track of the storm was well to the west of the region, the winds in the lower levels of the atmosphere were becoming increasingly stronger, and with increasing amount of turning of the winds with height. While locations along and east of the Interstate 95 corridor received very little in the way of severe weather, further west, across portions of the Shenandoah Valley and Potomac Highlands, there was a large outbreak of severe weather. The primary mode of severe weather was from damaging thunderstorm wind gusts, and short-lived tornadoes. All told, there were a total of 6 confirmed tornadoes just in the National Weather Service Sterling Virginia area of responsibility. Although significant damage occurred from the severe weather, no reports were received of any injuries or fatalities.									
Culpeper County									
Reva	30	1836EST			0	0	2K		Thunderstorm Wind (EG50)
Trees down on Reva Road.									
Culpeper County									
5 NNW Culpeper	30	1850EST			0	0			Funnel Cloud
A report of a funnel cloud sighting near Old Stillhouse and Eggbornville Roads.									
Culpeper County									
5 NNW Culpeper	30	1850EST			0	0	2K		Thunderstorm Wind (EG50)
Trees were downed at Old Stillhouse Road and Eggbornville Road.									
Fauquier County									
2 NE Orlean	30	1908EST-1910EST	0.8	75	0	0	50K		Tornado (F0)
A National Weather Service meteorologist surveyed wind damage over Orlean in Fauquier County, Virginia. It was determined that a tornado touched down just northeast of Orlean. The tornado was on the ground for approximately 3/4 of a mile. This tornado downed several trees and uprooted a few trees. One tree fell on a building. This tornado has been rated an F0 on the Fujita Scale.									
Fauquier County									
2 S Ada	30	1917EST-1930EST	5	300	0	0	1.5M		Tornado (F1)
A National Weather Service meteorologist surveyed wind damage near Ada in Fauquier County, Virginia. A tornado touched down approximately 1.5 miles south of Ada in northern Fauquier County. This tornado was on the ground for approximately 5 miles. The tornado lifted 2 miles west of Marshall. The tornado downed and uprooted many trees along this path. Some stands of healthy trees were snapped off several feet above the base. Outbuildings were destroyed in a few locations. Approximately 15 structures were damaged due to the tornado, but much of this damage was due to falling trees. Direct wind damage to homes was limited to roof and siding damage. Despite the number of structures damaged, there were no injuries reported. This tornado was rated F1 on the Fujita Scale.									

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<u>WEST VIRGINIA, East</u>									
Berkeley County									
Johnstown	07	1630EST			0	0	3K		Thunderstorm Wind (EG50)
Scattered trees were downed across the western portion of the county. A weak frontal boundary remained stalled across the Mid-Atlantic on August 7. Daytime heating conditions were sufficient to cause a few strong to severe thunderstorms to develop during the daylight hours. There were also a few reports of large hail in the higher terrain.									