

Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>ATLANTIC OCEAN</u>									
ANZ535 Rnld Reagan Natl Arpt	02	1627EST			0	0			Marine Tstm Wind (MG39)
ANZ531 3 N Riviera Beach	02	1630EST			0	0			Marine Tstm Wind (MG60) Wind gust measured at the Baltimore Approaches Buoy.
ANZ531 6 SW Tolchester Beach	02	1712EST			0	0			Marine Tstm Wind (MG36) Wind gust was measured at Sandy Point Station.
ANZ532 4 NE Annapolis to 6 E Annapolis	02	1712EST 1735EST			0	0			Marine Tstm Wind (MG36) Gusty winds were measured at Sandy Point, Annapolis Naval Air Station, and Kent Island.
ANZ535 Rnld Reagan Natl Arpt	02	1718EST			0	0			Marine Hail (0.75) Penny sized hail was reported.
ANZ535 Rnld Reagan Natl Arpt	02	1718EST 1730EST			0	0			Marine Tstm Wind (MG46)
ANZ533 Cove Pt	02	1800EST			0	0			Marine Tstm Wind (EG34)
ANZ536 Quantico	02	2009EST			0	0			Marine Tstm Wind (EG50)
ANZ535 Woodbridge	02	2009EST			0	0			Marine Tstm Wind (EG50) A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. The coastal waters of the Tidal Potomac and Chesapeake Bay experienced Special Marine Warning criteria winds, with a few reports of winds in excess of 50 knots. One report of large hail also occurred on the coastal waters.
ANZ537 Piney Pt	04	1536EST			0	0			Marine Tstm Wind (MG42)
ANZ531 3 N Riviera Beach	04	1545EST			0	0			Marine Tstm Wind (EG35) Gusty winds occurred at the Baltimore Approaches Buoy and at Sandy Point.
ANZ536 Quantico	04	1614EST			0	0			Marine Tstm Wind (MG36)
ANZ535 Rnld Reagan Natl Arpt to Washington Dc	04	1616EST 1638EST			0	0			Marine Tstm Wind (MG43) Gusty winds occurred at Reagan National and Andrews Air Force Base.
ANZ532 Annapolis	04	1625EST			0	0			Marine Tstm Wind (EG34)
ANZ533 Plum Pt to Chesapeake Beach	04	1630EST 1755EST			0	0			Marine Tstm Wind (MG37) Gusty winds occurred at Horn Point and the Mid Bay Buoy.
ANZ532 4 S Stevensville	04	1651EST			0	0			Marine Tstm Wind (MG38) Wind reported at Kent Island.
ANZ535 Woodbridge	04	1701EST			0	0			Marine Tstm Wind (MG34)
ANZ536 Quantico	04	1714EST			0	0			Marine Tstm Wind (MG36)

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<u>ATLANTIC OCEAN</u>									
ANZ534 St Marys City to Crisfield	04	1800EST 1847EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (EG34)
ANZ534 Smith Island	04	2005EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (EG34)
ANZ537 Lewisetta	04	2009EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (MG39)
ANZ534 Point Lookout	04	2058EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (EG34)
ANZ536 Route 301 Bridge	04	2155EST	Tidal Potomac Indian Hd To Cobb Is Md Measured at Cuckold Creek Station		0	0			Marine Tstm Wind (MG46)
ANZ537 Piney Pt	04	2218EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (MG37)
	Scattered severe thunderstorms developed on July 4 due to an approaching cold front and a very unstable airmass residing over the Mid-Atlantic. Winds reached above 35 knots on the coastal waters of the Maryland Chesapeake Bay and Tidal Potomac.								
ANZ534 Point Lookout to Smith Island	05	1748EST 1805EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (EG45)
ANZ537 Point Lookout	05	1748EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (EG34)
	After the severe storms of July 4th around the region, additional severe weather occurred on the 5th. There were numerous reports of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.								
ANZ535 Rnld Reagan Natl Arpt	12	1500EST	Tidal Potomac Key Bridge To Indian Hd Md		0	0			Marine Tstm Wind (EG34)
ANZ531 2 N Riviera Beach	12	1525EST	Chesapeake Bay Pooles Is To Sandy Pt Md Measured gust at the Baltimore Approaches Buoy.		0	0			Marine Tstm Wind (MG38)
ANZ532 4 S Stevensville	12	1628EST	Chesapeake Bay Sandy Pt To N Beach Md Wind gust was measured at Kent Island.		0	0			Marine Tstm Wind (MG34)
ANZ531 2 N Riviera Beach	12	1755EST	Chesapeake Bay Pooles Is To Sandy Pt Md Wind gust measured at the Baltimore Approach Buoy.		0	0			Marine Tstm Wind (EG34)
ANZ537 Piney Pt	12	1942EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (MG39)
ANZ533 Cove Pt	12	1955EST	Chesapeake Bay N Beach To Drum Pt Md		0	0			Marine Tstm Wind (MG36)
ANZ534 Smith Pt to Crisfield	12	2024EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (EG41)
	An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The hardest hit areas from the thunderstorms occurred in the western suburbs of Washington DC and the southern suburbs of Baltimore. Numerous special marine warning criteria wind gusts occurred on the coastal waters of the Tidal Potomac and Chesapeake Bay.								
ANZ531 2 N Riviera Beach	15	1525EST	Chesapeake Bay Pooles Is To Sandy Pt Md		0	0			Marine Tstm Wind (EG34)
ANZ530 6 NW Pooles Island	15	1602EST	Chesapeake Bay N Of Pooles Is Md Wind gust was measured at Gunpowder Station.		0	0			Marine Tstm Wind (MG36)

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ATLANTIC OCEAN

ANZ531 Chesapeake Bay Pooles Is To Sandy Pt Md
2 N Riviera Beach 15 1636EST 0 0 Marine Tstm Wind (EG34)

ANZ530 Chesapeake Bay N Of Pooles Is Md
Spesutie Island 18 1900EST 0 0 Marine Tstm Wind (EG34)

ANZ531 Chesapeake Bay Pooles Is To Sandy Pt Md
2 N Riviera Beach to Tolchester Beach 18 1912EST
1955EST 0 0 Marine Tstm Wind (MG34)

ANZ532 Chesapeake Bay Sandy Pt To N Beach Md
5 SE Annapolis 18 1948EST
2013EST 0 0 Marine Tstm Wind (EG34)

Winds were estimated from data at Thomas Point Lighthouse.

An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in the Berkeley Springs, WV area, where the most intense damages occurred, and a report of tennis-ball sized hail also occurred.

ANZ537 Tidal Potomac Cobb Is Md To Smith Pt Va
Lewisetta 19 1712EST 0 0 Marine Tstm Wind (EG34)

ANZ535 Tidal Potomac Key Bridge To Indian Hd Md
Woodbridge 21 1440EST 0 0 Marine Tstm Wind (EG50)

ANZ536 Tidal Potomac Indian Hd To Cobb Is Md
Quantico 21 1630EST 0 0 Marine Tstm Wind (EG50)

ANZ537 Tidal Potomac Cobb Is Md To Smith Pt Va
Piney Pt 21 1754EST 0 0 Marine Tstm Wind (EG34)

ANZ534 Chesapeake Bay Drum Pt To Smith Pt Va
Patuxent River Nas to Solomons Island 21 1810EST
1850EST 0 0 Marine Tstm Wind (MG42)

Peak wind gust was measured at Solomons Island.

ANZ533 Chesapeake Bay N Beach To Drum Pt Md
Cove Pt 21 1842EST 0 0 Marine Tstm Wind (MG38)

A trough of low pressure combined with strong instability and moisture to cause scattered severe thunderstorms to develop during the afternoon. Most of the activity occurred across the Northern Piedmont of North-Central Virginia.

ANZ537 Tidal Potomac Cobb Is Md To Smith Pt Va
Lewisetta 22 1400EST
1418EST 0 0 Marine Tstm Wind (EG34)

ANZ534 Chesapeake Bay Drum Pt To Smith Pt Va
Smith Island to Solomons Island 22 1425EST
1525EST 0 0 Marine Tstm Wind (MG42)

Peak gust measured at Bishops Head.

ANZ536 Tidal Potomac Indian Hd To Cobb Is Md
Route 301 Bridge 22 1426EST 0 0 Marine Tstm Wind (MG46)

Peak gust measured at Cuckold Creek.

ANZ531 Chesapeake Bay Pooles Is To Sandy Pt Md
3 N Riviera Beach to Millers Island 22 1855EST
1906EST 0 0 Marine Tstm Wind (MG39)

Peak gust was measured at the Baltimore Approaches Buoy.

ANZ532 Chesapeake Bay Sandy Pt To N Beach Md
Annapolis to 5 SE Annapolis 22 1928EST
1936EST 0 0 Marine Tstm Wind (MG35)

Peak gust measured at the Annapolis Naval Air Station.

ANZ533 Chesapeake Bay N Beach To Drum Pt Md
Plum Pt to Cove Pt 22 2125EST
2218EST 0 0 Marine Tstm Wind (MG34)

Peak gust measured at Horn Point.

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ATLANTIC OCEAN

ANZ537 Piney Pt	22	2218EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (MG39)
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ANZ534 Smith Island	22	2302EST 2330EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (MG35)
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An unseasonably strong low pressure area moved from the Ohio Valley to the Mid Atlantic, and contributed to scattered strong thunderstorm development, in conjunction to a very hot and humid airmass. Strong winds on the Chesapeake Bay and Tidal Potomac River prompted Special Marine Warnings as winds gusted as high as 50 mph as the storms moved through.

ANZ534 16 SE Patuxent River Na	27	1753EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (MG41)
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ANZ533 Cove Pt	27	1806EST	Chesapeake Bay N Beach To Drum Pt Md		0	0			Marine Tstm Wind (MG34)
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ANZ531 10 W Riviera Beach to Tolchester Beach	28	1306EST 1342EST	Chesapeake Bay Pooles Is To Sandy Pt Md		0	0			Marine Tstm Wind (MG41)
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Peak wind gust measured at Thomas Point Lighthouse.

ANZ530 6 NW Pooles Island	28	1331EST	Chesapeake Bay N Of Pooles Is Md		0	0			Marine Tstm Wind (EG34)
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ANZ536 Quantico	28	1332EST	Tidal Potomac Indian Hd To Cobb Is Md		0	0			Marine Tstm Wind (MG39)
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ANZ532 5 SE Annapolis	28	1348EST	Chesapeake Bay Sandy Pt To N Beach Md		0	0			Marine Tstm Wind (MG35)
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Peak gust measured at Thomas Point Light.

ANZ533 Cove Pt	28	1442EST	Chesapeake Bay N Beach To Drum Pt Md		0	0			Marine Tstm Wind (MG37)
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ANZ537 Lewisetta	28	1642EST 1648EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (MG37)
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ANZ534 Smith Island to Crisfield	28	1717EST 1723EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (MG43)
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Strong thunderstorms moved over the waters of the Tidal Potomac and Chesapeake Bay.

DISTRICT OF COLUMBIA

District Of Columbia Lincoln Memorial	04	1615EST 1620EST			0	0	40K		Thunderstorm Wind (EG50)
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Large elm trees and event tents blown down on the National Mall due to severe thunderstorms. Debris blowing around during the height of the storm. 8000 festival goers were successfully evacuated from the area during the National Folklife Festival, just before the 4th of July Fireworks Display. The National Weather Service staffed a coordination center with the National Park Service during this major event.

District Of Columbia Southeast Portion	04	1630EST			0	0	175K		Thunderstorm Wind (EG50)
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A building collapsed in the Southeast District due severe thunderstorm winds.

A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. Many locations throughout the metro area experienced wind damage from the severe thunderstorms. All of the damages were contributable to straight line winds. Newspaper reports indicated in excess of 100,000 customers without power in the Washington Metro Region.

District Of Columbia Southeast Portion	05	1430EST 1530EST			0	0			Flash Flood
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South Capital and Martin Luther King Jr. Avenue flooded and impassable in the Southeast District.

After the severe storms of July 4th around the region, additional severe weather occurred on the 5th. There were numerous reports

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DISTRICT OF COLUMBIA

of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.

DCZ001-001

District Of Columbia

17	1200EST								
18	1600EST			0	0				Heat

A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC. Two additional deaths, also in the Maryland suburbs, were indirectly attributed to this heat wave, since they were related to pre-existing health conditions.

MARYLAND, Central

Montgomery County

Kensington	02	1630EST							
				0	0	15K			Thunderstorm Wind (EG50)

Several trees downed.

Prince George'S County

College Park	02	1630EST							
				0	0	8K			Thunderstorm Wind (EG50)

Powerlines were downed in the Branchville district of College Park.

Montgomery County

Colesville	02	1635EST							
				0	0	10K			Thunderstorm Wind (EG50)

Trees downed.

Prince George'S County

Ft Washington	02	1638EST							
				0	0	10K			Thunderstorm Wind (EG50)

Powerlines down on Indian Head Highway near Tantallon and Fort Washington.

Montgomery County

Silver Spg to Wheaton	02	1700EST 1710EST							
				0	0	5M			Thunderstorm Wind (EG60)

Extensive tree and powerline damage occurred from Silver Spring to Wheaton, Aspen Hill, and White Oak. Several homes were struck by trees which caused extensive property damage in the neighborhoods. PEPCO reported more than 18,000 customers without power in Montgomery County.

Anne Arundel County

Cape St Claire	02	1728EST 1731EST							
				0	0	1.5M			Thunderstorm Wind (EG60)

Extensive property damage occurred in the Cape St. Claire area due to straight-line wind damages. Two houses were extensively damaged and a van was also damaged. Numerous trees and powerlines were downed due to the severe thunderstorms. Several very large trees were also downed, including as a 125 foot red oak tree which was uprooted by the severe winds.

Baltimore County

Perry Hall	02	1733EST							
				0	0				Hail(1.00)

Quarter-sized hail occurred.

Baltimore County

Parkville	02	1830EST							
				0	0	10K			Thunderstorm Wind (EG50)

Trees downed.

A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. Much of the state of Maryland experienced damages from the severe thunderstorms. The worst damages occurred in the Wheaton area of Montgomery County, and also in the Cape St. Claire section of Anne Arundel County. NWS site surveys of the damages confirmed the damages were caused by straight line winds. A buoy just 5 miles from Annapolis in the Chesapeake Bay measured winds of 69 mph with these storms. Extensive property damage occurred, including numerous downed trees and powerlines. Newspaper reports indicated in excess of 100,000 customers without power in the Washington Metro Region.

Montgomery County

3 SW Germantown	04	1340EST							
				0	0	15K			Thunderstorm Wind (EG50)

Trees and powerlines downed.

Harford County

10 E Jarrettsville	04	1400EST							
				0	0	7K			Thunderstorm Wind (EG50)

Trees downed.

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MARYLAND, Central

Carroll County

5 W Woodbine **04** **1420EST** **0** **0** **10K** **Thunderstorm Wind (EG50)**
Tree downed which knocked out power to 35 homes.

Baltimore County

Cockeysville **04** **1441EST** **0** **0** **25K** **Thunderstorm Wind (EG50)**
Tree downed on a vehicle passing by on Interstate 83 north of Baltimore City.

Montgomery County

**Chevy Chase to
3 NE Wheaton** **04** **1545EST
1605EST** **0** **0** **100K** **Thunderstorm Wind (EG55)**

Substantial damages occurred with the severe storms as they moved through the southern portion of Montgomery County, close to Washington DC. Numerous trees were downed across the Chevy Chase and Wheaton areas. Many trees were also downed in the Branch Park area. Reports were received from trained spotters, emergency managers, and off-duty NWS meteorologists.

Prince George'S County

**Hyattsville to
Bowie** **04** **1620EST
1645EST** **0** **0** **1M** **Thunderstorm Wind (EG55)**

Extensive tree damage occurred in the University Park section of Prince Georges County, including College Heights Estates and Lewisdale. Reports were collected from the public, county officials, trained spotters, and newspaper accounts that included trees downed on vehicles and houses and broken sidewalks due to uprooted trees. County officials reported extensive tree damage in the Bowie area as well. About 200 weather-related incidents involving vehicles and property damages were recorded by Prince Georges County officials within a 2 hour period.

Anne Arundel County

Annapolis **04** **1635EST** **0** **0** **250K** **Thunderstorm Wind (EG50)**
20 to 30 trees were downed on houses in Annapolis.

Charles County

Nanjemoy **04** **1730EST** **0** **0** **20K** **Thunderstorm Wind (EG50)**
Trees downed.

Prince George'S County

Brandywine **04** **1730EST** **0** **0** **25K** **Thunderstorm Wind (EG50)**
Trees downed.

St. Mary'S County

Mechanicsville **04** **2145EST
2146EST** **0** **0** **15K** **Thunderstorm Wind (EG50)**
Trees downed.

St. Mary'S County

California **04** **2155EST** **0** **0** **20K** **Thunderstorm Wind (EG50)**
Trees downed in California and Lexington Park.

Scattered severe thunderstorms developed on July 4 due to an approaching cold front and a very unstable airmass residing over the Mid-Atlantic. The severe storms formed along the Blue Ridge Mountains and moved east into the Washington and Baltimore suburbs during the evening. The hardest hit areas included a large portion of Prince Georges County in suburban Washington, and a section of Annapolis that experienced extensive tree damages. Many 4th of July festivities were affected by this bout of severe weather.

St. Mary'S County

Valley Lee **05** **1720EST** **0** **0** **Thunderstorm Wind (EG50)**
Large tree downed.

Carroll County

Finksburg **05** **2145EST
2250EST** **0** **0** **100K** **Flash Flood**
A few flooded roads in the 140 Corridor. Guardrails and shoulder damaged along Patapsco Road.

Frederick County

Frederick **05** **2145EST
2230EST** **0** **0** **Flash Flood**
Gashouse Pike was flooded.

Harford County

**Abingdon to
Edgewood** **05** **2243EST
2350EST** **0** **0** **Flash Flood**

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MARYLAND, Central

Nine Roads closed due to high water in the Abingdon and Edgewood areas.

Baltimore County

Woodlawn	05 06	2345EST 0100EST			0	0			Flash Flood
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Baltimore Beltway was flooded at exit 16. Rolling Road and US Route 40 also flooded.

Howard County

Elk Ridge	06	0000EST 0130EST			0	0			Flash Flood
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US Route 1 Southbound near the Baltimore County Line was closed due to high water. Route 103 and Roosevelt Blvd also closed.

Prince George'S County

Laurel	06	0032EST 0130EST			0	0			Flash Flood
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US Route 1 closed at Talbott Avenue due to high water.

Prince George'S County

College Park	06	0437EST 0600EST			0	0			Flash Flood
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US Route 1 closed both directions between Regents Drive and Knox Road due to high water.

After the severe storms of July 4th around the region, additional severe weather occurred on the 5th. There were numerous reports of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.

Washington County

Hancock	11	1950EST			0	0	10K		Thunderstorm Wind (EG50)
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Trees were downed by a severe thunderstorm.

Prince George'S County

Upper Marlboro	12	1542EST			0	0	20K		Thunderstorm Wind (EG50)
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Trees and powerlines down.

Anne Arundel County

Lothian	12	1759EST			0	0	25K		Thunderstorm Wind (EG50)
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Trees and powerlines downed at the intersection of Route 2 and Ark Road.

An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The most intense damage from the thunderstorms occurred in the western suburbs of Washington DC and the southern suburbs of Baltimore. About 7200 customers were without power during the brunt of this severe weather event.

MDZ003>007-009>011-013>014-016>018 **Washington - Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert**

	17	1200EST 1600EST			0	0			Heat
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A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC in the counties of Prince Georges, Calvert, and Carroll. Two additional deaths, also in the Maryland suburbs, were indirectly attributed to this heat wave, since they were related to pre-existing health conditions.

MDZ004>007-009>011-013>014-016>018 **Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel - Charles - St. Mary'S - Calvert**

	18	1200EST 1600EST			3	0			Heat
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A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC in the counties of Prince Georges, Calvert, and Carroll. Two additional deaths, also in the Maryland suburbs, were indirectly attributed to this heat wave, since they were related to pre-existing health conditions. M54PH, M60OU, M73VE

Prince George'S County

Landover	18	1530EST			0	0	12K		Thunderstorm Wind (EG50)
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Powerlines downed.

Allegany County

Piney Grove	18	1531EST			0	0	10K		Thunderstorm Wind (EG50)
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MARYLAND, Central

Trees down along Interstate 68 near Orleans Road. The downed trees blocked the interstate temporarily.

Prince George'S County
Palmer Park

18 1542EST 0 0 Hail(1.00)
Quarter sized hail reported by the local media.

Prince George'S County
Riverdale

18 1555EST 0 0 25K Thunderstorm Wind (EG52)
Telephone poles and wires downed.

Washington County
Hagerstown Arpt

18 1650EST 0 0 Thunderstorm Wind (MG50)
Measured wind gust at the Hagerstown Regional Airport.

Washington County
Maugansville

18 1657EST
1700EST 0 0 20K Thunderstorm Wind (EG50)
Trees and powerlines downed. Some tree damage also near Long Meadow.

Frederick County
Middlepoint

18 1750EST 0 0 13K Thunderstorm Wind (EG50)
Trees and powerlines downed.

Frederick County
Braddock Hgts

18 1810EST 0 0 Hail(0.75)
Penny sized hail.

Frederick County
Adamstown

18 1820EST 0 0 Hail(0.88)
Nickel sized hail.

Carroll County
New Windsor

18 1826EST 0 0 10K Thunderstorm Wind (EG50)
Powerlines downed.

Harford County
Jarrettsville

18 1840EST 0 0 10K Thunderstorm Wind (EG50)
Powerlines downed.

Carroll County
Mt Airy

18 1900EST 0 0 Hail(0.75)
Penny sized hail.

Harford County
2 N Bel Air

18 1902EST 0 0 18K Thunderstorm Wind (EG50)
Trees and powerlines downed.

Prince George'S County
Bowie

18 1935EST 0 0 8K Thunderstorm Wind (EG50)
Powerlines downed.

An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports of severe weather were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in Eastern Panhandle of West Virginia, where the worst damages occurred, and a report of tennis-ball sized hail was also reported. Extensive damages also occurred in the Frederick and Hagerstown areas of Central Maryland due to the severe thunderstorms.

Frederick County
1 N Frederick

19 1806EST 0 0 10K Thunderstorm Wind (EG52)
Trees downed on the north side of Frederick from a severe thunderstorm.

Carroll County
Mt Airy

27 2015EST 0 5 **Lightning**
Strong thunderstorms moved across Northern Maryland during the evening of July 27. Nearly continuous cloud to ground lightning strikes were noted with these storms. Five people were injured at the Mount Airy Volunteer Fire Company's annual carnival. The people injured were riding a carnival ride at the time, and lightning struck the ride. Two of the people were rushed to a local hospital.

Storm Data and Unusual Weather Phenomena

July 2006

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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MARYLAND, Central

Montgomery County

3 SSW Damascus	27	2030EST			0	0	30K		Thunderstorm Wind (EG50)
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Trees and large branches were downed in a 3 mile area near Damascus. Nearly constant lightning was also reported with these storms. Some minor property damage also occurred due to the severe thunderstorms moving through the local area.

MDZ007

Harford

30	1300EST 1600EST				0	50			Heat
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About 50 people were treated for heat illnesses at a Boy Scouts event at Camp Spencer, neat the town of Darlington. The heat index was estimated between 100 to 103 degrees with data from surrounding weather observation stations.

VIRGINIA, North

Fairfax County

Great Falls	02	1605EST			0	0	13K		Thunderstorm Wind (EG50)
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Trees downed.

Falls Church (C)

Falls Church	02	1612EST			0	0	45K		Thunderstorm Wind (EG50)
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Trees downed on a garage.

Arlington County

Arlington	02	1615EST			0	0	10K		Thunderstorm Wind (EG50)
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Tree damage reported by off-duty meteorologist.

Fairfax County

Centreville	02	1630EST			0	0	11K		Thunderstorm Wind (EG50)
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Trees downed.

Albemarle County

South Portion	02	1700EST			0	0	15K		Thunderstorm Wind (EG50)
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Trees down south of the City of Charlottesville.

Fairfax (C)

Fairfax	02	1700EST			0	0	15K		Thunderstorm Wind (EG50)
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Several trees downed.

Arlington County

Arlington	02	1703EST			0	0	10K		Thunderstorm Wind (EG50)
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Trees downed.

Alexandria (C)

Alexandria	02	1707EST			0	0	40K		Thunderstorm Wind (EG50)
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Trees down and a roof was damaged on Kenmore Avenue.

Fairfax County

Annandale	02	1715EST			0	2	5M		Thunderstorm Wind (EG60)
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NWS Storm Survey indicated a wet microburst produced near 70 mph winds. A dozen homes were damaged near Woodland Road in Annandale. According to newspaper accounts, three of the homes were evacuated due to structural damages and gas leaks. The extensive tree damage was likely exacerbated by weakened tree roots from the significant rains that occurred just a week earlier in late June.

Charlottesville (C)

Charlottesville	02	1728EST			0	0	10K		Thunderstorm Wind (EG50)
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Trees downed.

Prince William County

Woodbridge to Dumfries	02	2009EST 2014EST			0	0	20K		Thunderstorm Wind (EG50)
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Numerous trees and powerlines downed between Dumfries and Woodbridge.

A frontal boundary sagged south into the Mid Atlantic on July 2, and combined with very strong daytime heating and instability, contributed to scattered severe thunderstorm activity. Much of North-Central Virginia including the Washington Metro Region experienced damages from the severe thunderstorms. The worst damages occurred in the Annandale area of Fairfax County. A NWS survey team concluded that damages were caused from a wet microburst. Winds associated with the microburst were around

Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<p>70 mph. Extensive property damage occurred during these storms, including numerous downed trees and powerlines. Local power companies reported in excess of 100,000 power outages in the Washington Metro Region from this bout of severe weather.</p>									
<u>VIRGINIA, North</u>									
Loudoun County									
Hillsboro	04	1315EST			0	0	13K		Thunderstorm Wind (EG50)
		Several trees downed.							
Shenandoah County									
Strasburg	04	1430EST			0	0	15K		Thunderstorm Wind (EG50)
		Trees and powerlines downed.							
Warren County									
Reliance	04	1440EST			0	0	10K		Thunderstorm Wind (EG50)
		Trees downed.							
Fauquier County									
Upperville	04	1445EST			0	0	13K		Thunderstorm Wind (EG50)
		Trees and powerlines downed.							
Clarke County									
4 SE Millwood	04	1450EST			0	0	8K		Thunderstorm Wind (EG50)
		Trees downed near Bethel.							
Clarke County									
5 SE Boyce	04	1454EST			0	0	11K		Thunderstorm Wind (EG50)
		Falling trees and powerlines downed.							
Fauquier County									
4 WNW Halfway	04	1530EST			0	0	12K		Thunderstorm Wind (EG50)
		Trees and powerlines down at junction of Saint Louis Road and Route 50.							
Loudoun County									
5 WNW Middleburg	04	1530EST			0	0	15K		Thunderstorm Wind (EG50)
		Several trees and powerlines downed on Millsville Road near the town of Upperville.							
Fairfax County									
Herndon	04	1550EST			0	0			Hail(0.75)
		Penny sized hail occurred at intersection of Centreville and West Ox Roads.							
Fairfax County									
Centreville	04	1555EST			0	0			Hail(1.00)
		Quarter sized hail.							
Fairfax County									
Oakton	04	1555EST			0	0	12K		Thunderstorm Wind (EG50)
		Several trees downed on Oakton Terrace Road.							
Fairfax (C)									
1 S Fairfax	04	1605EST			0	0	15K		Thunderstorm Wind (EG50)
		Trees downed at intersection of Collinham and Kaywood Courts near Robinson High School.							
Falls Church (C)									
Falls Church	04	1605EST			0	0	15K		Thunderstorm Wind (EG50)
		Trees and powerlines downed on the 300 block of West Columbia Street.							
Arlington County									
Arlington	04	1614EST 1615EST			0	0	50K		Thunderstorm Wind (EG50)
		Numerous trees downed in Arlington National Cemetary. Trees also downed on the George Washington Memorial Parkway.							
Fairfax County									
3 N Fairfax Station	04	1615EST			0	0	20K		Thunderstorm Wind (EG50)
		Large trees downed.							
Rappahannock County									
Huntly	04	1615EST			0	0	20K		Thunderstorm Wind (EG50)
		Numerous trees downed.							

Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>VIRGINIA, North</u>									
Alexandria (C)									
Alexandria	04	1630EST			0	0	80K		Thunderstorm Wind (EG50)
			Several trees downed, with damage to a building still under construction.						
Fauquier County									
Bealeton	04	1638EST			0	0	14K		Thunderstorm Wind (EG50)
			Trees and powerlines downed.						
Fairfax County									
Hybla Vly	04	1644EST			0	0	15K		Thunderstorm Wind (EG50)
			Trees downed on the George Washington Parkway.						
Prince William County									
Nokesville	04	1650EST			0	0	22K		Thunderstorm Wind (EG52)
			Roof damaged by severe winds. Pea sized hail occurred with the storm. Scattered severe thunderstorms developed on July 4 due to an approaching cold front and a very unstable airmass residing over the Mid-Atlantic. The severe storms formed along the Blue Ridge Mountains and moved east into the Northern Virginia suburbs of Washington, DC. Most of the damages were caused by downed trees.						
Arlington County									
Arlington	05	1445EST 1600EST			0	0			Flash Flood
			Route 110 north of the Pentagon was flooded.						
Fairfax County									
Annandale	05	1515EST 1600EST			0	0			Flash Flood
			Prosperity Avenue at Little River Turnpike and Spicewood closed due to flooding.						
Loudoun County									
Leesburg	05	2200EST 2300EST			0	0			Flash Flood
			Lawson Road closed due to flooding.						
Prince William County									
Woodbridge	06	0429EST 0600EST			0	0			Flash Flood
			US Route 1 closed at Cardinal Drive due to high water. After the severe storms of July 4th around the region, additional severe weather occurred on the 5th and early on the 6th. There were numerous reports of flash flooding and wind damage from these storms as they moved through the Washington/Baltimore region.						
Loudoun County									
Aldie to Arcola	12	1400EST 1405EST			0	0	25K		Thunderstorm Wind (EG50)
			Trees downed in Aldie and Arcola, including on Post Office Road.						
Fairfax County									
Chantilly	12	1410EST			0	0	18K		Thunderstorm Wind (EG50)
			Trees down, blocking a road in the Sully area.						
Fairfax County									
Annandale	12	1435EST			0	0	22K		Thunderstorm Wind (EG50)
			Trees down, blocking several roads.						
Fauquier County									
5 S The Plains	12	1435EST			0	0	15K		Thunderstorm Wind (EG50)
			Trees and powerlines downed.						
Alexandria (C)									
Alexandria	12	1450EST			0	0	5K		Thunderstorm Wind (EG50)
			Large limbs downed on Franklin Street.						
Arlington County									
Arlington	12	1450EST			0	0	25K		Thunderstorm Wind (EG50)
			Tree downed in South Arlington.						

Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>VIRGINIA, North</u>									
Rappahannock County									
Flint Hill	12	1550EST			0	0	20K		Thunderstorm Wind (EG50)
Tree down on Ben Venue Road.									
Fauquier County									
5 SW Ada	12	1555EST			0	0	22K		Thunderstorm Wind (EG52)
Trees and powerlines downed on Crest Hill and Leeds Manor Roads.									
Clarke County									
3 SW Berryville	12	1625EST			0	0	18K		Thunderstorm Wind (EG50)
Trees and powerlines downed on Wadesville Road.									
Greene County									
Standardsville	12	1705EST			0	0	15K		Thunderstorm Wind (EG50)
Tree downed.									
Orange County									
Countywide	12	1725EST			0	0	30K		Thunderstorm Wind (EG50)
Trees downed countywide.									
An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The most intense damage from the thunderstorms occurred in the western suburbs of Washington DC, such as Fairfax and Warrenton, VA.									
VAZ036>042-050-052>053-055>057	Nelson - Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Prince William - Fairfax - Stafford - Spotsylvania - King George								
	15	0300EST 0600EST			0	0			Dense Fog
Dense fog with visibilities below one-half mile occurred early in the morning of July 15.									
VAZ041>042-050>057	Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George								
	17	1200EST 1600EST			0	0			Heat
A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC.									
VAZ037>042-050>057	Albemarle - Greene - Madison - Rappahannock - Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Arlington - Stafford - Spotsylvania - King George								
	18	1200EST 1600EST			0	0			Heat
A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC.									
Shenandoah County									
Strasburg	18	1607EST			0	0	10K		Thunderstorm Wind (EG50)
Powerlines downed.									
Rockingham County									
Bridgewater	18	1635EST			0	0	18K		Thunderstorm Wind (EG50)
Trees and powerlines downed.									
Warren County									
5 SSW Front Royal	18	1635EST			0	0			Hail(0.88)
Nickel sized hail.									
Page County									
2 E Luray to 2 W Luray	18	1641EST			0	0			Hail(0.88)
Nickel sized hail was reported at Thornton Gap on Route 211.									
Warren County									
4 S Front Royal	18	1643EST			0	0	10K		Thunderstorm Wind (EG50)
Locust trees were downed on Skyline Drive in the Shenandoah National Park.									

Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>VIRGINIA, North</u>									
Rappahannock County 4 W Sperryville	18	1645EST			0	0			Hail(1.00)
Quarter sized hail was reported by the National Park Service on Skyline Drive in the Shenandoah National Park. An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports of severe weather were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in Eastern Panhandle of West Virginia, where the worst damages occurred, and a report of tennis-ball sized hail was also reported. Extensive damages also occurred in the Frederick and Hagerstown areas of Central Maryland due to the severe thunderstorms. Isolated damages were also reported in the Northern Shenandoah Valley of Northern Virginia.									
Augusta County Middlebrook	19	1624EST			0	0	8K		Thunderstorm Wind (EG50)
Trees downed from a severe thunderstorm.									
Augusta County Churchville	20	1605EST			0	0	12K		Thunderstorm Wind (EG50)
Several downed trees.									
Augusta County Arbor Hill	20	1645EST			0	0	12K		Thunderstorm Wind (EG50)
Several trees were downed. Strong instability combined with winds flowing over the Appalachian Mountains contributed to scattered severe thunderstorms on the afternoon of July 20. The severe storms occurred primarily across the Central and Northern Shenandoah Valley and Potomac Highlands (west of the Blue Ridge Mountains). The most extensive damages occurred in Hampshire County, WV and Augusta County, VA.									
Shenandoah County Carmel	21	1255EST			0	0	7K		Thunderstorm Wind (EG50)
Tree downed in the Fort Valley area.									
Prince William County Woodbridge	21	1440EST			0	0	10K		Thunderstorm Wind (EG50)
Two trees were downed near the intersection of Old Bridge and Smoketown Roads.									
Rockingham County Hinton	21	1520EST			0	0	20K		Thunderstorm Wind (EG50)
Numerous trees and powerlines downed.									
Spotsylvania County Gateway	21	1610EST			0	0	15K		Thunderstorm Wind (EG50)
Trees and powerlines down along the 5800 block of Towles Mill Road in the Turkey Hill area.									
Spotsylvania County Lewiston	21	1620EST			0	0	9K		Thunderstorm Wind (EG50)
Trees downed.									
Spotsylvania County Four Mile Fork	21	1630EST			0	0	20K		Thunderstorm Wind (EG50)
Trees downed at the Sunset Memorial Gardens along US Route 1.									
Spotsylvania County Massaponax	21	1630EST			0	0	10K		Thunderstorm Wind (EG50)
Tree down at the intersection of US Route 1 and Hickory Ridge Road. A trough of low pressure combined with strong instability and moisture to cause scattered severe thunderstorms to develop during the afternoon. Most of the activity occurred across the Northern Piedmont of North-Central Virginia.									
Shenandoah County Strasburg	30	1542EST			0	0	16K		Thunderstorm Wind (EG50)
Trees and powerlines downed from gusty winds due to a severe thunderstorm moving across the local area.									
Madison County 5 S Radiant	30	1705EST			0	0	14K		Thunderstorm Wind (EG50)
Trees and powerlines downed from gusty winds due to a severe thunderstorm moving across the local area.									

Storm Data and Unusual Weather Phenomena

July 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
WEST VIRGINIA, East									
Berkeley County Martinsburg	09	1300EST			0	0			Hail(0.88)
Nickel-sized hail was reported in Martinsburg with a severe thunderstorm.									
Jefferson County Charles Town	12	1638EST 1643EST			0	0	13K		Thunderstorm Wind (EG50)
Trees and many large branches downed at the corner of Mildred and Washington Streets. An upper level disturbance in conjunction with a moist and unstable summertime airmass contributed to severe thunderstorm activity on July 12. The most intense damage from the thunderstorms occurred in the western suburbs of Washington DC, such as Fairfax and Warrenton, VA. About 7200 customers were without power during the brunt of this severe weather event in the Washington Metropolitan Area. A few reports of damages were also received from the Eastern Panhandle of West Virginia.									
WVZ053 Jefferson	17	1200EST 1600EST			0	0			Heat
A hot and very humid airmass seeped into the Mid Atlantic on July 17 and July 18. The heat index value climbed to around 105 degrees both afternoons. Emergency response officials reported sporadic incidents of heat-related illness, such as shortness of breath and heat exhaustion, around the Washington/Baltimore Metropolitan region. Three deaths were attributed directly to this heat wave. The deaths occurred in the Maryland suburbs of Washington DC.									
Grant County Petersburg Grant Arp	18	1335EST			0	0			Hail(0.75)
Penny sized hail.									
Grant County 4 S Petersburg	18	1358EST			0	0			Hail(1.75)
Golfball sized hail occurred along North Creek Road.									
Grant County Petersburg	18	1430EST			0	0			Hail(0.88)
Nickel sized hail.									
Morgan County Berkeley Spgs	18	1518EST 1525EST			0	0			Hail(1.00)
Quarter sized hail.									
Pendleton County 1 N Franklin	18	1530EST			0	0	10K		Thunderstorm Wind (EG50)
Trees down.									
Morgan County Berkeley Spgs	18	1630EST 1635EST			0	0	750K		Hail(2.50)
Hail to the size of tennis balls was reported at a local business in Berkeley Springs. Newspaper reports indicated roughly 100 cars were damaged by the very large hail stones.									
Morgan County Berkeley Spgs	18	1635EST			0	0	13K		Thunderstorm Wind (EG50)
Trees were downed in Berkeley Springs.									
Hampshire County Forks Of Cacaoh	18	1653EST			0	0			Hail(1.00)
Quarter sized hail.									
Berkeley County Hedgesville	18	1710EST			0	0	10K		Thunderstorm Wind (EG50)
Trees down.									
Morgan County 5 WSW Berkeley Spgs	18	1802EST			0	0			Hail(1.00)
Quarter sized hail.									

Storm Data and Unusual Weather Phenomena

July 2006

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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WEST VIRGINIA, East

Morgan County

Berkeley Spgs to 2 SSW Berkeley Spgs	18	1913EST 2130EST			0	0	125K		Flash Flood
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Warm Springs Run was out of its banks. The Emergency Services Director stated that the flash flooding just south of Berkeley Springs was the worst experienced in the past 30 years. Some street flooding and closed streets was reported in downtown Berkeley Springs. The Berkeley Springs high school sustained damages in the school cafeteria. The basement walls of a house in Berkeley Springs collapsed due to the heavy rainfall. Mesner Road near Libby's Ridge Road sustained damages. Several vehicles were stranded in high water along US Route 522 just south of Berkeley Springs. A few other roads were washed out due to the flash flooding.

An approaching cold front combined with a very hot and humid airmass to generate severe thunderstorms around much of the Mid Atlantic on July 18. Reports were received from the Eastern Panhandle of West Virginia, through the Washington/Baltimore corridor, to the Chesapeake Bay. The most intense of the severe storms occurred in the Berkeley Springs, WV area, where the worst damages occurred, and a report of tennis-ball sized hail was also reported. Other portions of the Eastern Panhandle experienced extensive flash flooding during this severe weather episode as well.

Pendleton County

Franklin to Brandywine	20	1400EST 1410EST			0	0	15K		Thunderstorm Wind (EG50)
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Newspaper reports indicated several trees were downed at the city park in Franklin, and on private property in the Brandywine area.

Hampshire County

Slanesville	20	1545EST			0	0	50K		Thunderstorm Wind (EG54)
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Extensive tree damage occurred due to severe thunderstorms in the Slanesville area. Some minor property damage also occurred such as roof damage to barns and signs knocked over. Local Emergency Management and SKYWARN weather spotters contributed to this report.

Berkeley County

Bunker Hill	20	1730EST			0	0	75K		Thunderstorm Wind (EG55)
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Powerlines and trees were downed in the town of Bunker Hill. The roof was partially destroyed and blown off of a local chapel. Strong instability combined with winds flowing over the Appalachian Mountains contributed to scattered severe thunderstorms on the afternoon of July 20. The severe storms occurred primarily across the Central and Northern Shenandoah Valley and Potomac Highlands (west of the Blue Ridge Mountains). The most extensive damages occurred in Hampshire County, WV and Augusta County, VA.

Berkeley County

Bunker Hill	27	1900EST			0	0	70K		Thunderstorm Wind (EG50)
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A severe thunderstorm moved across portions of Berkeley County, WV, and caused damages in the Bunker Hill area. One large tree was uprooted on Giles Mill Road, with several smaller branches downed as well. A semi-truck trailer was overturned near the Interstate 81 interchange during this storm. A church steeple was damaged on Runnymead Road.