

**National Weather Service  
Storm Data and Unusual Weather Phenomena**

August 2004

|  |      | Time Local                                      | Path Length | Path Width | # of persons |         | Estimated Damage |       |                         |
|--|------|---|-------------|------------|--------------|---------|------------------|-------|-------------------------|
| Location   | Date | Standard  | (Miles)     | (Yards)    | Killed       | Injured | Property         | Crops | Character of Storm      |
| <b><u>ATLANTIC OCEAN</u></b>                       |      |   |             |            |              |         |                  |       |                         |
| <b>ANZ532</b>                                      |      | <b>Chesapeake Bay Sandy Pt to N Beach Md</b>    |             |            |              |         |                  |       |                         |
| 3 E Annapolis                                      | 02   | 1345EST   |             |            | 0            | 0       |                  |       | Waterspout              |
| <b>ANZ530</b>                                      |      | <b>Chesapeake Bay N of Pooles Is Md</b>         |             |            |              |         |                  |       |                         |
| 6 NW Pooles Island                                 | 04   | 1830EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (EG35) |
| <b>ANZ531</b>                                      |      | <b>Chesapeake Bay Pooles Is to Sandy Pt Md</b>  |             |            |              |         |                  |       |                         |
| 10 W Riviera Beach                                 | 04   | 1840EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (EG34) |
| <b>ANZ531</b>                                      |      | <b>Chesapeake Bay Pooles Is to Sandy Pt Md</b>  |             |            |              |         |                  |       |                         |
| 7 N Millers Island                                 | 04   | 1845EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG35) |
| <b>ANZ531</b>                                      |      | <b>Chesapeake Bay Pooles Is to Sandy Pt Md</b>  |             |            |              |         |                  |       |                         |
| 3 N Riviera Beach                                  | 04   | 1854EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG37) |
| <b>ANZ532</b>                                      |      | <b>Chesapeake Bay Sandy Pt to N Beach Md</b>    |             |            |              |         |                  |       |                         |
| 5 SE Annapolis                                     | 04   | 1921EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG35) |
| <b>ANZ535</b>                                      |      | <b>Tidal Potomac Key Bridge to Indian Hd Md</b> |             |            |              |         |                  |       |                         |
| 5 W Rnld Reagan Natl Arpt                          | 11   | 1520EST   |             |            | 0            | 0       |                  |       | Marine hail (0.75)      |
| <b>ANZ531</b>                                      |      | <b>Chesapeake Bay Pooles Is to Sandy Pt Md</b>  |             |            |              |         |                  |       |                         |
| 3 N Riviera Beach                                  | 11   | 1548EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG34) |
| <b>ANZ531</b>                                      |      | <b>Chesapeake Bay Pooles Is to Sandy Pt Md</b>  |             |            |              |         |                  |       |                         |
| Millers Island                                     | 11   | 1600EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG34) |
| <b>ANZ532</b>                                      |      | <b>Chesapeake Bay Sandy Pt to N Beach Md</b>    |             |            |              |         |                  |       |                         |
| 5 SE Annapolis                                     | 11   | 1657EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG40) |
| <b>ANZ532</b>                                      |      | <b>Chesapeake Bay Sandy Pt to N Beach Md</b>    |             |            |              |         |                  |       |                         |
| 5 SE Annapolis                                     | 18   | 1623EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG36) |
| <b>ANZ535</b>                                      |      | <b>Tidal Potomac Key Bridge to Indian Hd Md</b> |             |            |              |         |                  |       |                         |
| Rnld Reagan Natl Arpt                              | 18   | 1800EST   |             |            | 0            | 0       |                  |       | Marine Tstm Wind (MG35) |
| <b><u>DISTRICT OF COLUMBIA</u></b>                 |      |   |             |            |              |         |                  |       |                         |
| <b>District of Columbia</b>                        |      |   |             |            |              |         |                  |       |                         |
| Lincoln Memorial                                   | 11   | 1525EST-1535EST                                 |             |            | 0            | 0       |                  |       | Hail (0.75)             |
| Penny sized hail reported at the Lincoln Memorial. |      |   |             |            |              |         |                  |       |                         |

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| Location  | Date | Standard        | (Miles)     | (Yards)    | Killed       | Injured | Property         | Crops | Character of Storm       |
| <b><u>DISTRICT OF COLUMBIA</u></b>  |      |                 |             |            |              |         |                  |       |                          |
| <b>District of Columbia</b>   |      |                 |             |            |              |         |                  |       |                          |
| Lincoln Memorial  | 11   | 1525EST-1825EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Street flooding on 14th Street and Constitution Avenue.   |      |                 |             |            |              |         |                  |       |                          |
| <b>District of Columbia</b>   |      |                 |             |            |              |         |                  |       |                          |
| US Capitol  | 11   | 1530EST         |             |            | 0            | 0       |                  |       | Hail (0.75)              |
| Penny sized hail reported by a trained spotter.   |      |                 |             |            |              |         |                  |       |                          |
| <b><u>MARYLAND, Central</u></b>   |      |                 |             |            |              |         |                  |       |                          |
| <b>Carroll County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Finksburg   | 01   | 0700EST-1100EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Several roads under water.  |      |                 |             |            |              |         |                  |       |                          |
| <b>Baltimore County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Parkton   | 01   | 1610EST-2010EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Several primary and secondary roads closed due to high water.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Baltimore County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Beckleysville   | 01   | 1610EST-2010EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Gunpowder road at Beckleysville under water.  |      |                 |             |            |              |         |                  |       |                          |
| <b>Baltimore County</b>   |      |                 |             |            |              |         |                  |       |                          |
| West Portion  | 01   | 1610EST-2010EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Several roads under water.<br>Baltimore and Carroll counties were hard hit by flash flooding on August 1st, over two inches of rain fell in a short time causing drainage problems in many areas. Several primary and secondary roads were closed due to high water. Quick rise of water in Gun Powder Falls carried a man away who was tubing. He was later found a few miles downstream with only minor injuries. |      |                 |             |            |              |         |                  |       |                          |
| <b>Allegany County</b>  |      |                 |             |            |              |         |                  |       |                          |
| Mt Savage   | 04   | 1520EST         |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Large limbs and power lines down.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Washington County</b>  |      |                 |             |            |              |         |                  |       |                          |
| Williamsport  | 04   | 1630EST         |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Downed trees.   |      |                 |             |            |              |         |                  |       |                          |

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| Location  | Date | Standard   | (Miles)     | (Yards)    | Killed       | Injured | Property         | Crops | Character of Storm       |
| <b>MARYLAND. Central</b>  |      |            |             |            |              |         |                  |       |                          |
| <b>Washington County</b>  |      |            |             |            |              |         |                  |       |                          |
| Hagerstown  | 04   | 1630EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Trees down.   |      |            |             |            |              |         |                  |       |                          |
| <b>Anne Arundel County</b>  |      |            |             |            |              |         |                  |       |                          |
| Glen Burnie   | 04   | 1715EST    |             |            | 0            | 0       | 4K               |       | Thunderstorm Wind (EG55) |
| Trees and power lines down.   |      |            |             |            |              |         |                  |       |                          |
| <b>Frederick County</b>   |      |            |             |            |              |         |                  |       |                          |
| Walkersville  | 04   | 1730EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Downed trees and power lines.   |      |            |             |            |              |         |                  |       |                          |
| <b>Carroll County</b>   |      |            |             |            |              |         |                  |       |                          |
| Taneytown   | 04   | 1735EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Downed trees and power lines.   |      |            |             |            |              |         |                  |       |                          |
| <b>Baltimore County</b>   |      |            |             |            |              |         |                  |       |                          |
| Cockeysville  | 04   | 1820EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Downed trees and power lines.   |      |            |             |            |              |         |                  |       |                          |
| <b>Prince George's County</b>   |      |            |             |            |              |         |                  |       |                          |
| Beltsville  | 04   | 1845EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG50) |
| Large limbs and power lines down.   |      |            |             |            |              |         |                  |       |                          |
| <b>Prince George's County</b>   |      |            |             |            |              |         |                  |       |                          |
| College Park  | 04   | 1845EST    |             |            | 0            | 0       | 3K               |       | Thunderstorm Wind (EG55) |
| Large limbs down on power lines.  |      |            |             |            |              |         |                  |       |                          |
| <b>Baltimore County</b>   |      |            |             |            |              |         |                  |       |                          |
| 2 SE Baltimore  | 04   | 1845EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Trees downed.   |      |            |             |            |              |         |                  |       |                          |
| <b>Prince George's County</b>   |      |            |             |            |              |         |                  |       |                          |
| Capitol Hgts  | 04   | 1850EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| <p>Several trees and power lines down.<br/>           Strong thunderstorms moved through the region on August 4th. The storms toppled trees and downed power lines. At the height of the storm Baltimore Gas and Electric Company reported about 14,000 customers without power in portions of Prince Georges, Baltimore, and Anne Arundel Counties. The storms even caused a 57 minute delay to the Baltimore Orioles and Seattle Mariners baseball game at Camden Yards Stadium, in Downtown Baltimore.</p> |      |            |             |            |              |         |                  |       |                          |

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| Location  | Date | Standard   | (Miles)     | (Yards)    | Killed       | Injured | Property         | Crops | Character of Storm       |
| <b>MARYLAND. Central</b>  |      |            |             |            |              |         |                  |       |                          |
| <b>Prince George's County</b>   |      |            |             |            |              |         |                  |       |                          |
| District Hgts   | 04   | 1850EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Trees and power lines down.   |      |            |             |            |              |         |                  |       |                          |
| <b>Harford County</b>   |      |            |             |            |              |         |                  |       |                          |
| Bel Air   | 04   | 1850EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Trees and power lines down.   |      |            |             |            |              |         |                  |       |                          |
| <b>Anne Arundel County</b>  |      |            |             |            |              |         |                  |       |                          |
| Pasadena  | 04   | 1905EST    |             |            | 0            | 0       | 3K               |       | Thunderstorm Wind (EG54) |
| Large branches and power lines down.  |      |            |             |            |              |         |                  |       |                          |
| <b>Anne Arundel County</b>  |      |            |             |            |              |         |                  |       |                          |
| Glen Burnie   | 10   | 1542EST    |             |            | 0            | 0       | 10K              |       | Lightning                |
| Lightning sparked a house fire.   |      |            |             |            |              |         |                  |       |                          |
| <b>Howard County</b>  |      |            |             |            |              |         |                  |       |                          |
| Hanover   | 10   | 1544EST    |             |            | 0            | 0       | 55K              |       | Lightning                |
| Lightning sparked a house fire.   |      |            |             |            |              |         |                  |       |                          |
| <b>Anne Arundel County</b>  |      |            |             |            |              |         |                  |       |                          |
| Glen Burnie   | 10   | 1558EST    |             |            | 0            | 0       | 50K              |       | Lightning                |
| A garage was struck by lightning.   |      |            |             |            |              |         |                  |       |                          |
| <b>Howard County</b>  |      |            |             |            |              |         |                  |       |                          |
| Clarksville   | 11   | 1510EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Trees and power lines down across the area.   |      |            |             |            |              |         |                  |       |                          |
| <b>Montgomery County</b>  |      |            |             |            |              |         |                  |       |                          |
| Silver Spg  | 11   | 1530EST    |             |            | 0            | 0       | 1K               |       | Thunderstorm Wind (EG55) |
| Large limbs down on power lines.  |      |            |             |            |              |         |                  |       |                          |
| <b>Anne Arundel County</b>  |      |            |             |            |              |         |                  |       |                          |
| Lothian   | 11   | 1630EST    |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG55) |
| Trees and power lines down.<br>Strong thunderstorms downed trees and power lines in east Maryland. Around 20,000 people were without power. The three regional international airports, Reagan National, Dulles International, and Baltimore-Washington, reported 1 to 3 hour weather delays for flights departing to the northeast. |      |            |             |            |              |         |                  |       |                          |

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| Location  | Date | Standard        | (Miles)     | (Yards)    | Killed       | Injured | Property         | Crops | Character of Storm       |
| <b>MARYLAND, Central</b>  |      |                 |             |            |              |         |                  |       |                          |
| <b>Baltimore County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Reisterstown  | 12   | 1645EST         |             |            | 0            | 0       | 1.5K             |       | Thunderstorm Wind (EG50) |
| Several large trees down.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Howard County</b>  |      |                 |             |            |              |         |                  |       |                          |
| Columbia  | 12   | 1730EST-2030EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Many streets and roads were closed due to high water.                       |      |                 |             |            |              |         |                  |       |                          |
| <b>Harford County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Darlington  | 12   | 1758EST         |             |            | 0            | 0       | 2K               |       | Thunderstorm Wind (EG50) |
| Large limbs and power lines downed by strong thunderstorm winds.            |      |                 |             |            |              |         |                  |       |                          |
| <b>Harford County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Aberdeen  | 12   | 1800EST-2200EST |             |            | 0            | 0       |                  |       | Heavy Rain               |
| Heavy rain caused a commotion at a Willie Nelson/Bob Dylan outdoor concert. |      |                 |             |            |              |         |                  |       |                          |
| <b>Prince George's County</b>   |      |                 |             |            |              |         |                  |       |                          |
|   | 20   | 1100EST-1400EST |             |            | 0            | 0       |                  |       | Heat                     |
| Heat indices at College Park rose to 105 degrees on August 20th.            |      |                 |             |            |              |         |                  |       |                          |
| <b>VIRGINIA, North</b>  |      |                 |             |            |              |         |                  |       |                          |
| <b>Prince William County</b>  |      |                 |             |            |              |         |                  |       |                          |
| 2 N Dumfries  | 01   | 1530EST-1830EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Route 1 closed due to high water at a couple of spots.                      |      |                 |             |            |              |         |                  |       |                          |
| <b>Nelson County</b>  |      |                 |             |            |              |         |                  |       |                          |
| Lovingston  | 01   | 1710EST-2110EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Streets closed due to standing water.                                       |      |                 |             |            |              |         |                  |       |                          |
| <b>Loudoun County</b>   |      |                 |             |            |              |         |                  |       |                          |
| Round Hill  | 11   | 1340EST         |             |            | 0            | 0       | 1K               |       | Thunderstorm Wind (EG50) |
| Downed trees.   |      |                 |             |            |              |         |                  |       |                          |

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|--|--|------|------------------------|------------------------|-----------------------|--------------------------------|---|------------------------------------|--|--------------------------|
| <b>VIRGINIA, North</b>   |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>Fauquier County</b>   |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Marshall   |  | 11   | 1400EST                |                        |                       | 0                              | 0 | 2K                                 |  | Thunderstorm Wind (EG55) |
| Trees and power lines down.  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>Fairfax County</b>  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Chantilly  |  | 11   | 1425EST-<br>1439EST    |                        |                       | 0                              | 0 |                                    |  | Hail (1.75)              |
| Penny to golf ball size hail was reported in Chantilly.  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>City of Fairfax</b>   |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Fairfax  |  | 11   | 1455EST                |                        |                       | 0                              | 0 |                                    |  | Hail (0.75)              |
| Penny sized hail was observed in the City of Fairfax.  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>City of Falls Church</b>  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Falls Church   |  | 11   | 1510EST                |                        |                       | 0                              | 0 |                                    |  | Hail (1.50)              |
| Quarter to walnut size hail was reported in Falls Church.  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>Fairfax County</b>  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Annandale  |  | 11   | 1510EST-<br>1520EST    |                        |                       | 0                              | 0 |                                    |  | Hail (3.00)              |
| Quarter to teacup size hail fell in Annandale. The larger hail caused dents to several cars in the vicinity.   |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>Arlington County</b>  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Arlington  |  | 11   | 1512EST-<br>1522EST    |                        |                       | 0                              | 0 |                                    |  | Hail (1.50)              |
| Penny to walnut size hail fell in Arlington County.  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>City of Falls Church</b>  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Falls Church   |  | 11   | 1515EST                |                        |                       | 0                              | 0 | 3K                                 |  | Thunderstorm Wind (EG55) |
| Trees and power lines down across the city.<br>Strong winds downed trees and power lines in Fairfax, Fauquier, and Loudoun Counties. Approximately 24,000 people were without power at some point during the storms. The area was also riddled with penny to quarter size hail. Trained spotters reported a few hail stones as large as tea cups. Reagan National and Dulles International Airports had weather delays of 1 to 3 hours for flights traveling to the northeast. |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| <b>Fairfax County</b>  |  |      |                        |                        |                       |                                |   |                                    |  |                          |
| Annandale  |  | 11   | 1540EST                |                        |                       | 0                              | 0 |                                    |  | Hail (2.00)              |
| Hen egg size hail was reported.  |  |      |                        |                        |                       |                                |   |                                    |  |                          |

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| <b><u>VIRGINIA, North</u></b>   |      |                 |             |            |              |         |                  |       |                          |
| <b>City of Fredericksburg</b>   |      |                 |             |            |              |         |                  |       |                          |
| Fredericksburg  | 12   | 1700EST         |             |            | 0            | 0       |                  |       | Heavy Rain               |
| A fast moving thunderstorm dropped nearly 2 inches of rain over the Hazel Run Creek. A motorist in a Chevy Blazer was caught in a current and and dragged about 20 feet downstream. |      |                 |             |            |              |         |                  |       |                          |
| <b>City of Alexandria</b>   |      |                 |             |            |              |         |                  |       |                          |
| Alexandria  | 12   | 1830EST-2030EST |             |            | 0            | 0       |                  |       | Flash Flood              |
| Heavy rain flooded West and Wythe Streets, just outside the Braddock Street Metro station.  |      |                 |             |            |              |         |                  |       |                          |
| <b>Page County</b>  |      |                 |             |            |              |         |                  |       |                          |
| 5 SSE Stanley   | 19   | 1755EST         |             |            | 0            | 0       |                  |       | Thunderstorm Wind (EG50) |
| Several large trees down.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Culpeper County</b>  |      |                 |             |            |              |         |                  |       |                          |
| Norman  | 19   | 1900EST         |             |            | 0            | 0       |                  |       | Thunderstorm Wind (EG50) |
| Downed trees and power lines.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Fauquier County</b>  |      |                 |             |            |              |         |                  |       |                          |
| Sumerduck   | 19   | 1900EST         |             |            | 0            | 0       |                  |       | Lightning                |
| Seven cows and one bull were killed as a result of a lightning strike while standing under a tree.  |      |                 |             |            |              |         |                  |       |                          |
| <b>Culpeper County</b>  |      |                 |             |            |              |         |                  |       |                          |
|   | 20   | 1000EST-1400EST |             |            | 0            | 0       |                  |       | Heat                     |
| Late morning and afternoon heat indices ranged from 104 to 108 degrees across portions of Northern Virginia on August 20th.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Frederick County</b>   |      |                 |             |            |              |         |                  |       |                          |
|   | 20   | 1000EST-1400EST |             |            | 0            | 0       |                  |       | Heat                     |
| Late morning and afternoon heat indices ranged from 104 to 108 degrees across portions of Northern Virginia on August 20th.   |      |                 |             |            |              |         |                  |       |                          |
| <b>Orange County</b>  |      |                 |             |            |              |         |                  |       |                          |
|   | 20   | 1000EST-1400EST |             |            | 0            | 0       |                  |       | Heat                     |
| Late morning and afternoon heat indices ranged from 104 to 108 degrees across portions of Northern Virginia on August 20th.   |      |                 |             |            |              |         |                  |       |                          |

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Storm Data and Unusual Weather Phenomena**

August 2004

| Location                            |  | Date | Time Local | Standard | Path Length<br>(Miles) | Path Width<br>(Yards) | # of persons<br>Killed    Injured |   | Estimated Damage<br>Property    Crops |  | Character of Storm       |
|-------------------------------------|--|------|------------|----------|------------------------|-----------------------|-----------------------------------|---|---------------------------------------|--|--------------------------|
| <b>WEST VIRGINIA, East</b>          |  |      |            |          |                        |                       |                                   |   |                                       |  |                          |
| <b>Mineral County</b>               |  |      |            |          |                        |                       |                                   |   |                                       |  |                          |
| 9 SW Keyser                         |  | 04   |            | 1525EST  |                        |                       | 0                                 | 0 |                                       |  | Thunderstorm Wind (EG50) |
| Downed trees.                       |  |      |            |          |                        |                       |                                   |   |                                       |  |                          |
| <b>Morgan County</b>                |  |      |            |          |                        |                       |                                   |   |                                       |  |                          |
| Berkeley Springs                    |  | 04   |            | 1616EST  |                        |                       | 0                                 | 0 |                                       |  | Thunderstorm Wind (EG50) |
| Several trees down across the area. |  |      |            |          |                        |                       |                                   |   |                                       |  |                          |