| Location                             | Date/Time   | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                              |
|--------------------------------------|---|----------------------|------------------------|---|
| ATLANTIC NORTH                       |   |                      |                        |   |
| FIDAL POTOMAC INDIAN HD TO C         | OBB IS MD COUNTY 2.2 NE COLONIA<br>07/01/09 18:52 EST | L BEACH [38.25,      | -76.95], 4.1 SSE C     | UCKOLD CREEK [38.25, -76.91] Waterspout             |
|                                      | 07/01/09 18:59 EST                                    |                      | 0                      | Source: Public                                      |
| A waterspout was spotted by the pul  | blic near Colonial Beach.                             |                      |                        |   |
| TIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 18.2 WNW PIN                       | EY POINT [38.25,     | -76.83]                |   |
|                                      | 07/01/09 19:10 EST                                    |                      | 0                      | Marine Hail (0.75 in)                               |
|                                      | 07/01/09 19:10 EST                                    |                      | 0                      | Source: Fire Department/Rescue                      |
| Penny size hail was reported near C  | Cobb Island.  |                      |                        |   |
| TIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 13.6 NNW PINE                      | EY POINT [38.30,     | -                      | M : Ti  |
|                                      | 07/01/09 19:14 EST<br>07/01/09 19:14 EST              |                      | 0                      | Marine Thunderstorm Wind (EG 50 kt) Source: Public  |
|                                      | 07/01/09 19:14 EST                                    |                      | U                      | Source. Public                                      |
| A tree fell onto a house near Leonar | dtown.  |                      |                        |   |
| TIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 13.3 NW PINES                      | / POINT [38.28, -7   |                        | Marina Thundareterm Wind (EC EC L4)                 |
|                                      | 07/01/09 19:26 EST<br>07/01/09 19:26 EST              |                      | 0                      | Marine Thunderstorm Wind (EG 50 kt) Source: Public  |
|                                      | 0//0//08 19.20 E31                                    |                      | U                      | Source. Fublic                                      |
| A tree fell onto a house near Compto | on.   |                      |                        |   |
| TIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 14.2 NW PINE                       | 7 POINT [38.28, -7   | 6.71]                  |   |
|                                      | 07/01/09 19:26 EST                                    |                      | 0                      | Marine Thunderstorm Wind (EG 50 kt)                 |
|                                      | 07/01/09 19:26 EST                                    |                      | 0                      | Source: Public                                      |
| A tree fell onto a house near Compto | on.   |                      |                        |   |
| TIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 0.3 SSE ST INI                     | GOES [38.1576.       | 43]                    |   |
|                                      | 07/01/09 20:05 EST                                    |                      | 0                      | Marine Thunderstorm Wind (EG 34 kt)                 |
|                                      | 07/01/09 20:05 EST                                    |                      | 0                      | Source: Mesonet                                     |
| A wind gust in excess of 30 knots wa | as reported at Saint Inigoes.                         |                      |                        |   |
| TIDAL POTOMAC CORR IS MD TO          | SMITH PT VA COUNTY 0.4 SE LEWISE                      | TTA [37 99 -76 4     | 71                     |   |
|                                      | 07/01/09 20:06 EST                                    | [J1100, -10.4        | 0                      | Marine Thunderstorm Wind (EG 34 kt)                 |
|                                      | 07/01/09 20:06 EST                                    |                      | 0                      | Source: Buoy  |
| A wind gust in excess of 30 knots wa | as reported at Lewisetta.                             |                      |                        |   |
| TIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 0.2 WNW POIN                       | IT LOOKOUT [38.      | 04, -76.32]            |   |
|                                      | 07/01/09 20:20 EST                                    | -                    | 0                      | Marine Thunderstorm Wind (MG 45 kt)                 |
|                                      | 07/01/09 20:20 EST                                    |                      | 0                      | Source: Mesonet                                     |
| A wind gust of 45 knots was reported | d at Point Lookout.                                   |                      |                        |   |
| CHECADEAKE DAY DOUM DT TO            | SMITH PT VA COUNTY 0.2 SSE LOWER                      | HOODEDS ISL A        | ND 139 26 76 401       |   |
| ONESAFEARE DAT DRUMPT TO             | 07/01/09 20:26 EST                                    | NIOUPERS ISLA        | ND [38.26, -76.18]     | Marine Thunderstorm Wind (MG 34 kt)                 |
|                                      | 07/01/09 20:26 EST                                    |                      | 0                      | Source: Mesonet                                     |
| A wind gust of 34 knots was reported |   |                      | -                      |   |
|                                      |   |                      |                        |   |
| FIDAL POTOMAC COBB IS MD TO          | SMITH PT VA COUNTY 0.2 WNW POIN                       | IT LOOKOUT [38.      |                        | Marina Thunderstorm Wind (EC 34 kt)                 |
|                                      | 07/01/09 20:30 EST                                    |                      | 0                      | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet |
|                                      | 07/01/09 20:30 EST                                    |                      | U                      | Goulde, Mesoliet                                    |

A wind gust in excess of 30 knots was reported at Point Lookout.

Page 1 of 15 Printed on: 11/15/2009

|  | Date/Time  | Deaths &<br>Injuries                   | Property &<br>Crop Dmg   | Event Type and Details  |
|--|--|--|--|---|
| CHESAPEAKE BAY DRUM PT TO SMI  |  | S HEAD [38.22, -7                      | -  | Marine Therefore Wind (MO 0710)   |
|  | 07/01/09 20:44 EST<br>07/01/09 20:44 EST   |  | 0  | Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet   |
| A wind gust of 37 knots was reported at  |  |  | U  | Source: Mesoriet  |
| Time guot of or knote was reported at  | . Didnopo Hoda.  |  |  |   |
| CHESAPEAKE BAY DRUM PT TO SMI  | TH PT VA COUNTY 2.9 SW SMITH I<br>07/01/09 20:45 EST   | SLAND [37.98, -76                      | <b>6.04]</b><br>0  | Marine Thunderstorm Wind (EG 34 kt)   |
|  | 07/01/09 20:45 EST   |  | 0  | Source: Mesonet   |
| A wind gust in excess of 30 knots was r  | reported at Smith Island.  |  |  |   |
| CHESAPEAKE BAY DRUM PT TO SMI  | TH PT VA COUNTY 0.3 SSE CRISFI   | ELD [37.97, -75.88                     | -  |   |
|  | 07/01/09 21:07 EST   |  | 0  | Marine Thunderstorm Wind (MG 36 kt)   |
|  | 07/01/09 21:07 EST   |  | 0  | Source: Mesonet   |
| A wind gust of 36 knots was measured   | at Crisfield.  |  |  |   |
| CHESAPEAKE BAY DRUM PT TO SMI  | TH PT VA COUNTY 4.4 E BISHOPS<br>07/01/09 21:09 EST  | HEAD [38.21, -75.                      | <b>96]</b><br>0  | Marine Thunderstorm Wind (EC 50 kt)   |
|  | 07/01/09 21:09 EST<br>07/01/09 21:09 EST   |  | 0  | Marine Thunderstorm Wind (EG 50 kt) Source: Law Enforcement   |
| A using quot of 50 leasts are a size of 10   |  | oor Diobass Use 1                      |  | Source. Law Emolecinent   |
| A wind gust of 50 knots was estimated l  | pased on thuriderstorm wind damage n   | ear bisnops Head.                      |  |   |
| CHESAPEAKE BAY DRUM PT TO SMI  | TH PT VA COUNTY 0.1 ESE RACCO<br>07/01/09 21:10 EST  | ON POINT [38.14                        | , <b>-75.79]</b><br>0  | Marine Thunderstorm Wind (MG 53 kt)   |
|  | 07/01/09 21:10 EST   |  | 0  | Source: Mesonet   |
| A wind gust of 53 knots was measured  CHESAPEAKE BAY DRUM PT TO SMI  | TH PT VA COUNTY 0.3 SSE CRISFI   | <br>ELD [37.97, -75.88                 | -  |   |
|  | 07/01/09 21:10 EST   |  | 0  | Marine Thunderstorm Wind (EG 40 kt)   |
|  | 07/01/09 21:10 EST   |  | 0  | Source: Trained Spotter   |
| A wind gust was estimated around 40 k  | nots at Crisfield.   |  |  |   |
|  | a watere on the first. Ahead of the fre  | nt, plenty of moist                    |  |   |
| instability combined with the forcing f  |  | thunderstorms. Th                      | nunderstorms pro   | oduced gusty winds and  |
| instability combined with the forcing flarge hail.   | from the front to trigger showers and to the front to trigger showers and the front to trigger showers and the front to trigger showers are the front to trigger showers and the front to trigger showers and the front to trigger showers are the front to trigger shower |  | r, -76.25]   |   |
| instability combined with the forcing flarge hail.   | MD COUNTY 4.3 W PHILLIPS ARM<br>07/24/09 18:08 EST   |  | 7, - <b>76.25]</b>   | Marine Hail (0.75 in)   |
| A potent cold front passed through th instability combined with the forcing f large hail.  CHESAPEAKE BAY N OF POOLES IS   | MD COUNTY 4.3 W PHILLIPS ARM<br>07/24/09 18:08 EST<br>07/24/09 18:08 EST   |  | r, -76.25]   |   |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca   | MD COUNTY 4.3 W PHILLIPS ARM 07/24/09 18:08 EST 07/24/09 18:08 EST   | Y AIRFIELD [39.47                      | 7, - <b>76.25]</b><br>0<br>0   | Marine Hail (0.75 in)<br>Source: Trained Spotter  |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca  A cold front passed through the water  | MD COUNTY 4.3 W PHILLIPS ARM 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  | Y AIRFIELD [39.47                      | 7, - <b>76.25]</b><br>0<br>0   | Marine Hail (0.75 in)<br>Source: Trained Spotter  |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca  A cold front passed through the water isolated thunderstorm to produce large   | MD COUNTY 4.3 W PHILLIPS ARM 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstorge hail.   | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25]<br>0<br>0<br>sough instability a                              | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca  A cold front passed through the water isolated thunderstorm to produce large   | MD COUNTY 4.3 W PHILLIPS ARM 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstoige hail.  MORE HARBOR COUNTY 4.3 NNW 07/25/09 19:06 EST  | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25]<br>0<br>0<br>sough instability a<br>[39.22, -76.53]           | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  Marine Thunderstorm Wind (MG 35 kt)   |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca A cold front passed through the water isolated thunderstorm to produce large  | MD COUNTY 4.3 W PHILLIPS ARM 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstorge hail.  MORE HARBOR COUNTY 4.3 NNW 07/25/09 19:06 EST 07/25/09 19:15 EST   | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25]<br>0<br>0<br>sough instability a                              | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca A cold front passed through the water isolated thunderstorm to produce large  | MD COUNTY 4.3 W PHILLIPS ARM 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstorge hail.  MORE HARBOR COUNTY 4.3 NNW 07/25/09 19:06 EST 07/25/09 19:15 EST   | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25]<br>0<br>0<br>sough instability a<br>[39.22, -76.53]           | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  Marine Thunderstorm Wind (MG 35 kt)   |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca A cold front passed through the water isolated thunderstorm to produce larg  PATAPSCO RIVER INCLUDING BALTI  Wind gusts up to 35 knots were reporte | MD COUNTY 4.3 W PHILLIPS ARM' 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstor ge hail.  MORE HARBOR COUNTY 4.3 NNW 07/25/09 19:06 EST 07/25/09 19:15 EST d at Baltimore Key Bridge.  | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25]<br>0<br>0<br>nough instability a<br>[39.22, -76.53]<br>0<br>0 | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  Marine Thunderstorm Wind (MG 35 kt) Source: Buoy                                      |
| instability combined with the forcing t<br>large hail.   | MD COUNTY 4.3 W PHILLIPS ARM' 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstor ge hail.  MORE HARBOR COUNTY 4.3 NNW 07/25/09 19:06 EST 07/25/09 19:15 EST  d at Baltimore Key Bridge.  B IS MD COUNTY 0.4 NE QUANTIC 07/25/09 19:07 EST   | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25] 0 0 cough instability a [39.22, -76.53] 0 0                   | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  Marine Thunderstorm Wind (MG 35 kt) Source: Buoy  Marine Thunderstorm Wind (MG 39 kt) |
| instability combined with the forcing flarge hail.  CHESAPEAKE BAY N OF POOLES IS  Penny size hail was reported near Belca A cold front passed through the water isolated thunderstorm to produce larg  PATAPSCO RIVER INCLUDING BALTI  Wind gusts up to 35 knots were reporte | MD COUNTY 4.3 W PHILLIPS ARM' 07/24/09 18:08 EST 07/24/09 18:08 EST amp.  rs triggering showers and thunderstor ge hail.  MORE HARBOR COUNTY 4.3 NNW 07/25/09 19:06 EST 07/25/09 19:15 EST d at Baltimore Key Bridge.  | Y AIRFIELD [39.47<br>rms. There was en | 7, -76.25]<br>0<br>0<br>nough instability a<br>[39.22, -76.53]<br>0<br>0 | Marine Hail (0.75 in) Source: Trained Spotter  ahead of the front for an  Marine Thunderstorm Wind (MG 35 kt) Source: Buoy                                      |

Page 2 of 15 Printed on: 11/15/2009

| Location  | Date/Time   | Deaths &<br>Injuries  | Property &<br>Crop Dmg  | Event Type and Details   |
|---|---|-----------------------|---|--|
|   | 07/25/09 20:35 EST  |                       | 0   | Marine Thunderstorm Wind (MG 38 kt)  |
|   | 07/25/09 20:35 EST  |                       | 0   | Source: Mesonet  |
| wind gust of 38 knots was measured at   | Kent Island.  |                       |   |  |
| Showers and thunderstorms developed   |   | here was enough       | instability along v   | vith strong winds aloft for  |
| a couple thunderstorms to produce gus   | sty winds.  |                       |   |  |
| TIDAL POTOMAC COBB IS MD TO SMIT  |   | [38.13, -76.53]       | _   |  |
|   | 07/26/09 14:35 EST  |                       | 0   | Marine Thunderstorm Wind (MG 43 kt)  |
|   | 07/26/09 14:35 EST  |                       | 0   | Source: Mesonet  |
| A wind gust of 43 knots was reported at F   | Piney Point.  |                       |   |  |
| CHESAPEAKE BAY DRUM PT TO SMITI   | H PT VA COUNTY 0.2 SSE LOWE   | R HOOPERS ISLA        | ND [38.26, -76.18]  |  |
|   | 07/26/09 14:54 EST  |                       | 0   | Marine Thunderstorm Wind (MG 41 kt)  |
|   | 07/26/09 15:04 EST  |                       | 0   | Source: Mesonet  |
| Wind gusts between 36 and 41 knots wer  | re reported at Lower Hooper Island.   |                       |   |  |
| TIDAL POTOMAC COBB IS MD TO SMIT  | TH PT VA COUNTY 0.2 WNW POIN  | NT LOOKOUT [38.0      | 04, -76.32]   |  |
|   | 07/26/09 15:05 EST  |                       | 0   | Marine Thunderstorm Wind (EG 34 kt)  |
|   | 07/26/09 15:05 EST  |                       | 0   | Source: Mesonet  |
| A wind gust in excess of 30 knots was re  | ported at Point Lookout.  |                       |   |  |
|   | FU DT VA COUNTY O 4 SE LEWISI   | FTTA [37 99 _76 A     |   |  |
| TIDAL POTOMAC COBB IS MD TO SMIT  | IN PI VA COUNTT U.4 3E LEWISI   |                       |   |  |
| TIDAL POTOMAC COBB IS MD TO SMIT  | 07/26/09 15:06 EST  | - 1 1 A [07.00, -70.4 | 0   | Marine Thunderstorm Wind (EG 34 kt)  |
|   | 07/26/09 15:06 EST<br>07/26/09 15:06 EST  | -                     | -   | Marine Thunderstorm Wind (EG 34 kt)<br>Source: Buoy  |
| A wind gust in excess of 30 knots was me  | 07/26/09 15:06 EST<br>07/26/09 15:06 EST<br>easured at Lewisetta.   |                       | 0   | Source: Buoy   |
| A wind gust in excess of 30 knots was me  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.   |                       | 0<br>0<br>0<br>JNTY 0.1 NE BI   | Source: Buoy SHOPS HEAD [38.22, -76.04]  |
| A wind gust in excess of 30 knots was me  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWC 07/26/09 15:12 EST 07/26/09 15:38 EST   |                       | 0<br>0<br>0<br>JNTY 0.1 NE BIS  | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer   | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWC 07/26/09 15:12 EST 07/26/09 15:38 EST re reported at Bishops Head.  | ORTH ISLAND COL       | 0<br>0<br>0<br>JNTY 0.1 NE BI<br>0<br>0   | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet   |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer   | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:12 EST 07/26/09 15:38 EST  re reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST  | ORTH ISLAND COL       | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  |
| A wind gust in excess of 30 knots was me<br>TANGIER SOUND AND THE INLAND WA<br>Wind gusts between 34 and 51 knots wer   | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWC 07/26/09 15:12 EST 07/26/09 15:38 EST re reported at Bishops Head.  | ORTH ISLAND COL       | 0<br>0<br>0<br>JNTY 0.1 NE BIS<br>0<br>0  | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet   |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWC 07/26/09 15:12 EST 07/26/09 15:38 EST er reported at Bishops Head.  ATERS SURROUNDING BLOODSWC 07/26/09 15:28 EST 07/26/09 15:38 EST  | ORTH ISLAND COL       | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:12 EST 07/26/09 15:38 EST re reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST re reported at Smith Island.   | ORTH ISLAND COL       | JNTY 0.1 NE BIS 0 0 0 JNTY 0.4 SSW S 0 0 JNTY 0.1 ESE F                           | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet   |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWC 07/26/09 15:12 EST 07/26/09 15:38 EST  Te reported at Bishops Head.  ATERS SURROUNDING BLOODSWC 07/26/09 15:28 EST 07/26/09 15:38 EST  Te reported at Smith Island.  ATERS SURROUNDING BLOODSWC 07/26/09 15:39 EST  | ORTH ISLAND COL       | UNTY 0.1 NE BIS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                             | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet   |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:12 EST 07/26/09 15:38 EST re reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST re reported at Smith Island.   | ORTH ISLAND COL       | JNTY 0.1 NE BIS 0 0 0 JNTY 0.4 SSW S 0 0 JNTY 0.1 ESE F                           | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet   |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA   | 07/26/09 15:06 EST 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:38 EST or reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST  re reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:39 EST 07/26/09 15:48 EST   | ORTH ISLAND COL       | UNTY 0.1 NE BIS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                             | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet   |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 35 and 44 knots wer   | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:12 EST 07/26/09 15:38 EST re reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST re reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:48 EST re measured at Raccoon Point.   | ORTH ISLAND COL       | JNTY 0.1 NE BI: 0 0 0 JNTY 0.4 SSW S 0 0 JNTY 0.1 ESE R 0 0                       | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet  RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (MG 44 kt)  Source: Mesonet  |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 35 and 44 knots wer   | 07/26/09 15:06 EST 07/26/09 15:06 EST 07/26/09 15:06 EST  Passured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:38 EST The reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST The reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:48 EST The measured at Raccoon Point.  ATERS SURROUNDING BLOODSWO 07/26/09 15:40 EST                             | ORTH ISLAND COL       | JNTY 0.1 NE BIS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                             | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet  RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (MG 44 kt)  Source: Mesonet  |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 35 and 44 knots wer  TANGIER SOUND AND THE INLAND WA  | 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:12 EST 07/26/09 15:38 EST re reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST re reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:48 EST re measured at Raccoon Point.   | ORTH ISLAND COL       | JNTY 0.1 NE BI: 0 0 0 JNTY 0.4 SSW S 0 0 JNTY 0.1 ESE R 0 0 JNTY 0.3 SSE C        | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet  RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (MG 44 kt)  Source: Mesonet  |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA   | 07/26/09 15:06 EST 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:38 EST or reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST or reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:48 EST or remeasured at Raccoon Point.  ATERS SURROUNDING BLOODSWO 07/26/09 15:40 EST 07/26/09 15:50 EST             | ORTH ISLAND COL       | JNTY 0.1 NE BIS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                             | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt)  Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet  RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (MG 44 kt)  Source: Mesonet  |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 35 and 44 knots wer  TANGIER SOUND AND THE INLAND WA  | 07/26/09 15:06 EST 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:38 EST or reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST re reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:48 EST re measured at Raccoon Point.  ATERS SURROUNDING BLOODSWO 07/26/09 15:40 EST 07/26/09 15:50 EST at Crisfield. | ORTH ISLAND COL       | JNTY 0.1 NE BIS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                             | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt) Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (MG 44 kt) Source: Mesonet  CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (MG 43 kt) Source: Mesonet |
| A wind gust in excess of 30 knots was me  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 51 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 34 and 37 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 35 and 44 knots wer  TANGIER SOUND AND THE INLAND WA  Wind gusts between 35 and 44 knots were | 07/26/09 15:06 EST 07/26/09 15:06 EST 07/26/09 15:06 EST easured at Lewisetta.  ATERS SURROUNDING BLOODSWO 07/26/09 15:38 EST or reported at Bishops Head.  ATERS SURROUNDING BLOODSWO 07/26/09 15:28 EST 07/26/09 15:38 EST re reported at Smith Island.  ATERS SURROUNDING BLOODSWO 07/26/09 15:39 EST 07/26/09 15:48 EST re measured at Raccoon Point.  ATERS SURROUNDING BLOODSWO 07/26/09 15:40 EST 07/26/09 15:50 EST at Crisfield. | ORTH ISLAND COL       | JNTY 0.1 NE BIS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                             | SHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (MG 51 kt) Source: Mesonet  SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (MG 37 kt) Source: Mesonet  RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (MG 44 kt) Source: Mesonet  CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (MG 43 kt) Source: Mesonet |

Page 3 of 15 Printed on: 11/15/2009

| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 16:22 EST 07/26/09 16:40 EST  Wind gusts up to 38 knots were reported at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 16:36 EST 07/26/09 16:36 EST A wind gust in excess of 30 knots was measured at Raccoon Point.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The waloft to allow for an unstable atmosphere. Showers and thunderstorms | SWORTH ISLAND COUI      | 0<br>0<br>NTY 0.1 ESE F<br>0<br>0<br>0<br>NTY 0.3 SSE C          | Marine Thunderstorm Wind (MG 38 kt) Source: Mesonet  RACCOON POINT [38.14, -75.79] Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  CRISFIELD [37.97, -75.88] Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet                  |
|--|-------------------------|--|--|
| 07/26/09 16:22 EST 07/26/09 16:40 EST  Wind gusts up to 38 knots were reported at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 16:36 EST 07/26/09 16:36 EST A wind gust in excess of 30 knots was measured at Raccoon Point.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST 07/26/09 20:38 EST  | SWORTH ISLAND COUI      | 0<br>0<br>NTY 0.1 ESE F<br>0<br>0<br>NTY 0.3 SSE C<br>0<br>0     | Marine Thunderstorm Wind (MG 38 kt) Source: Mesonet  RACCOON POINT [38.14, -75.79] Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  CRISFIELD [37.97, -75.88] Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet                  |
| Wind gusts up to 38 knots were reported at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 16:36 EST 07/26/09 16:36 EST A wind gust in excess of 30 knots was measured at Raccoon Point.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST 07/26/09 20:38 EST   | SWORTH ISLAND COUI      | NTY 0.1 ESE F 0 0 0  NTY 0.3 SSE C 0 0  NTY 0.1 NE BI 0          | RACCOON POINT [38.14, -75.79]  Marine Thunderstorm Wind (EG 34 kt)  Source: Mesonet  CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (EG 34 kt)  Source: Mesonet  ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt) |
| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 16:36 EST 07/26/09 16:36 EST A wind gust in excess of 30 knots was measured at Raccoon Point.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way   | SWORTH ISLAND COUI      | 0<br>0<br><b>NTY 0.3 SSE C</b><br>0<br>0<br><b>NTY 0.1 NE BI</b> | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt)                                  |
| 07/26/09 16:36 EST 07/26/09 16:36 EST A wind gust in excess of 30 knots was measured at Raccoon Point.  FANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  FANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way  | SWORTH ISLAND COUI      | 0<br>0<br><b>NTY 0.3 SSE C</b><br>0<br>0<br><b>NTY 0.1 NE BI</b> | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt)                                  |
| 07/26/09 16:36 EST 07/26/09 16:36 EST A wind gust in excess of 30 knots was measured at Raccoon Point.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way  | SWORTH ISLAND COUI      | 0<br>0<br><b>NTY 0.3 SSE C</b><br>0<br>0<br><b>NTY 0.1 NE BI</b> | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt)                                  |
| A wind gust in excess of 30 knots was measured at Raccoon Point.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way  |                         | NTY 0.3 SSE C<br>0<br>0<br>0<br>NTY 0.1 NE BI                    | CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (EG 34 kt)  Source: Mesonet  ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt)  |
| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way  |                         | 0<br>0<br><b>NTY 0.1 NE BI</b><br>0                              | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  ISHOPS HEAD [38.22, -76.04] Marine Thunderstorm Wind (EG 34 kt)   |
| 07/26/09 20:22 EST 07/26/09 20:22 EST A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way   |                         | 0<br>0<br><b>NTY 0.1 NE BI</b><br>0                              | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  ISHOPS HEAD [38.22, -76.04] Marine Thunderstorm Wind (EG 34 kt)   |
| 07/26/09 20:22 EST  A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST  A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way  | SWORTH ISLAND COUI      | 0<br>NTY 0.1 NE BI   | Source: Mesonet  ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt)  |
| A wind gust in excess of 30 knots was measured at Crisfield.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way   | SWORTH ISLAND COUI      | NTY 0.1 NE BI  | ISHOPS HEAD [38.22, -76.04]<br>Marine Thunderstorm Wind (EG 34 kt)   |
| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS 07/26/09 20:38 EST 07/26/09 20:38 EST A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way   | SWORTH ISLAND COUI      | 0  | Marine Thunderstorm Wind (EG 34 kt)  |
| 07/26/09 20:38 EST<br>07/26/09 20:38 EST<br>A wind gust in excess of 30 knots was measured at Bishops Head.<br>An upper-level low over the Great lakes provided cooler air aloft. The way  | SWORTH ISLAND COUI      | 0  | Marine Thunderstorm Wind (EG 34 kt)  |
| 07/26/09 20:38 EST  A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The way  |                         |  |  |
| A wind gust in excess of 30 knots was measured at Bishops Head.  An upper-level low over the Great lakes provided cooler air aloft. The wa   |                         | 0  |  |
| An upper-level low over the Great lakes provided cooler air aloft. The wa  |                         |  | Source: Mesonet  |
|  |                         |  |  |
| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS<br>07/27/09 00:12 EST<br>07/27/09 00:12 EST   | SWORTH ISLAND COUI      | <b>NTY 0.1 NE BI</b><br>0<br>0                                   | ISHOPS HEAD [38.22, -76.04]  Marine Thunderstorm Wind (EG 34 kt)  Source: Mesonet  |
| A wind gust in excess of 30 knots was measured at Bishops Head.  |                         |  |  |
| CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY 0.2 WNW PO  | OINT LOOKOUT [38.04,    | , -76.32]  |  |
| 07/27/09 02:55 EST   |                         | 0  | Marine Thunderstorm Wind (MG 35 kt)  |
| 07/27/09 02:57 EST   |                         | 0  | Source: Mesonet  |
| Wind gusts up to 35 knots were reported at Point Lookout.  |                         |  |  |
| A trough of low pressure triggered a few showers and thunderstorms of over the Chesapeake Bay.   | n the 27th. An isolated | thunderstorm di  | id produce gusty winds   |
| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS   | SWORTH ISLAND COU       | NTY 0.4 SSW :  | SMITH ISLAND [37.98, -76.04]   |
| 07/29/09 15:00 EST   |                         | 0  | Marine Thunderstorm Wind (MG 40 kt)  |
| 07/29/09 15:00 EST   |                         | 0  | Source: Mesonet  |
| A wind gust of 40 knots was reported at Smith Island.  |                         |  |  |
| TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS   | SWORTH ISLAND COU       | NTY 0.1 NE BI  |  |
| 07/29/09 15:15 EST<br>07/29/09 15:25 EST   |                         | 0  | Marine Thunderstorm Wind (MG 46 kt) Source: Mesonet  |
| UIIZBIUB 13 /3 F3 I  |                         | U  | GOULGE. INICOULEE  |
|  |                         |  |  |
|  |                         |  |  |
| Wind gusts up to 46 knots were measured at Bishops Head.  TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODS   | SWORTH ISLAND COUI      |  |  |
| Wind gusts up to 46 knots were measured at Bishops Head.   | SWORTH ISLAND COUI      | NTY 0.3 SSE C  | CRISFIELD [37.97, -75.88]  Marine Thunderstorm Wind (MG 37 kt)  Source: Mesonet  |

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]

Page 4 of 15 Printed on: 11/15/2009

| ocation   |  |                      |  |  |
|---|--|----------------------|--|--|
|   | Date/Time  | Deaths &<br>Injuries | Property &<br>Crop Dmg                                       | Event Type and Details   |
|   | 07/29/09 15:20 EST   | <b>,</b>             | 0<br>0   | Marine Thunderstorm Wind (MG 39 kt)  |
|   | 07/29/09 15:26 EST   |                      | 0  | Source: Mesonet  |
| Vind gusts between 38 and 39 knots were re  | eported at Raccoon Point.  |                      |  |  |
| CHESAPEAKE BAY SANDY PT TO N BEAC   |  | VENSVILLE [39.01     | , -76.40]  |  |
|   | 07/29/09 18:22 EST   |                      | 0  | Marine Thunderstorm Wind (MG 37 kt)  |
|   | 07/29/09 18:22 EST   |                      | 0  | Source: Mesonet  |
| A wind gust of 37 knots was measured at Sa  | ndy Point.   |                      |  |  |
| TIDAL POTOMAC COBB IS MD TO SMITH F   |  | ETTA [37.99, -76.4   | -  | Marine Therefore Wind (MO 05 II)   |
|   | 07/29/09 18:36 EST   |                      | 0  | Marine Thunderstorm Wind (MG 35 kt)  |
|   | 07/29/09 18:36 EST   |                      | 0  | Source: Buoy   |
| A wind gust of 35 knots was measured at Le  | wisetta.   |                      |  |  |
| An area of low pressure and its associated<br>unstable atmosphere for showers and thur  |  | _                    | -  |  |
| CHESAPEAKE BAY N OF POOLES IS MD C  |  | RACE [39.55, -76.    | 09]  |  |
|   | 07/31/09 14:08 EST   |                      | 0  | Marine Thunderstorm Wind (EG 55 kt)  |
|   | 07/31/09 14:08 EST   |                      | 0  | Source: Mariner  |
| A wind gust of 55 knots was estimated near  | Havre De Grace.  |                      |  |  |
| CHESAPEAKE BAY DRUM PT TO SMITH P   |  | T LOOKOUT [38.0      |  |  |
|   | 07/31/09 14:40 EST   |                      | 0  | Marine Thunderstorm Wind (MG 46 kt)  |
|   | 07/31/09 14:48 EST   |                      | 0  | Source: Mesonet  |
| Wind gusts ranged between 38 and 46 knots   | at Point Lookout.  |                      |  |  |
|   |  |                      |  |  |
| CHESAPEAKE BAY POOLES IS TO SANDY   |  | LER ISLAND [39.      | •  | Marina Thundaratarm Wind (MC 29 kt)  |
| CHESAPEAKE BAY POOLES IS TO SANDY   | 07/31/09 14:41 EST   | LER ISLAND [39.      | 0  | Marine Thunderstorm Wind (MG 38 kt)  |
| CHESAPEAKE BAY POOLES IS TO SANDY   |  | LER ISLAND [39.      | •  | Marine Thunderstorm Wind (MG 38 kt)<br>Source: Mesonet   |
|   | 07/31/09 14:41 EST<br>07/31/09 14:41 EST   | LER ISLAND [39.      | 0  |  |
| A wind gust of 38 knots was reported at Mille   | 07/31/09 14:41 EST<br>07/31/09 14:41 EST<br>er Island.<br>MD COUNTY 11.6 NNE QUANT   | ·                    | 0 0  | Source: Mesonet  |
| A wind gust of 38 knots was reported at Mille   | 07/31/09 14:41 EST<br>07/31/09 14:41 EST<br>er Island.<br>MD COUNTY 11.6 NNE QUANT<br>07/31/09 14:42 EST   | ·                    | 0 0  | Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)   |
| A wind gust of 38 knots was reported at Mille   | 07/31/09 14:41 EST<br>07/31/09 14:41 EST<br>er Island.<br>MD COUNTY 11.6 NNE QUANT   | ·                    | 0 0  | Source: Mesonet  |
| A wind gust of 38 knots was reported at Mille   | 07/31/09 14:41 EST<br>07/31/09 14:41 EST<br>er Island.<br>MD COUNTY 11.6 NNE QUANT<br>07/31/09 14:42 EST<br>07/31/09 14:42 EST   | ·                    | 0 0  | Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)   |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report   | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST eed at Mason Neck.  | FICO [38.64, -77.20  | 0 0  | Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet   |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report   | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST eed at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST   | FICO [38.64, -77.20  | 0 0  | Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt)  |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report   | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST eed at Mason Neck.  | FICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>0  | Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet   |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST eed at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST  | FICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>0<br>- <b>76.36]</b>                     | Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt)  |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST ited at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST   | TICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>0<br>0<br>-76.36]                        | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet   |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST eted at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST t Island.   | TICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>0<br>0<br>-76.36]                        | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet   |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST ited at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST   | TICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>-76.36]<br>0<br>0                        | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet   |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  A wind gust of 35 knots was reported at Kent  TANGIER SOUND AND THE INLAND WATE   | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST eted at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST t Island.  ERS SURROUNDING BLOODSWO 07/31/09 15:03 EST 07/31/09 15:03 EST             | TICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>0<br>-76.36]<br>0<br>0                   | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet  SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (MG 44 kt)                 |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  A wind gust of 35 knots was reported at Kent  TANGIER SOUND AND THE INLAND WATE  A wind gust of 44 knots was measured at Sn   | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST ed at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST t Island.  CRS SURROUNDING BLOODSWO 07/31/09 15:03 EST 07/31/09 15:03 EST nith Island.  | TICO [38.64, -77.20  | 0<br>0<br>0<br>.76.36]<br>0<br>0<br>JNTY 0.4 SSW S           | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet  SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (MG 44 kt) Source: Mesonet |
| A wind gust of 38 knots was reported at Mille  TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was report  CHESAPEAKE BAY SANDY PT TO N BEAC  A wind gust of 35 knots was reported at Kent  TANGIER SOUND AND THE INLAND WATE  A wind gust of 44 knots was measured at Sn   | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST ed at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST t Island.  CRS SURROUNDING BLOODSWO 07/31/09 15:03 EST 07/31/09 15:03 EST inith Island. | TICO [38.64, -77.20  | 0<br>0<br>0<br>0<br>-76.36]<br>0<br>0<br>0<br>JNTY 0.4 SSW S | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet  SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (MG 44 kt) Source: Mesonet |
| A wind gust of 38 knots was reported at Milled TIDAL POTOMAC INDIAN HD TO COBB IS  A wind gust in excess of 30 knots was reported. A wind gust of 35 knots was reported at Kentand Gust of 35 knots was reported at Kentand Gust of 35 knots was reported at Kentand Gust of 44 knots was measured at Smanning Gust of 44 knots was measured Gust of 44 knots was measured At | 07/31/09 14:41 EST 07/31/09 14:41 EST er Island.  MD COUNTY 11.6 NNE QUANT 07/31/09 14:42 EST 07/31/09 14:42 EST ed at Mason Neck.  CH MD COUNTY 0.3 WSW KEN 07/31/09 14:48 EST 07/31/09 14:48 EST t Island.  CRS SURROUNDING BLOODSWO 07/31/09 15:03 EST 07/31/09 15:03 EST nith Island.  | TICO [38.64, -77.20  | 0<br>0<br>0<br>.76.36]<br>0<br>0<br>JNTY 0.4 SSW S           | Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (MG 35 kt) Source: Mesonet  SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (MG 44 kt) Source: Mesonet |

A wind gust of 35 knots was measured at Bishops Head.

Page 5 of 15 Printed on: 11/15/2009

| Location  | Date/Time                               | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                  |
|---|---|----------------------|------------------------|---|
| TANGIER SOUND AND THE INLAND V  |   | ORTH ISLAND CO       |                        | - · · · · · · · · · · · · · · · · ·     |
|   | 07/31/09 15:22 EST                      |                      | 0                      | Marine Thunderstorm Wind (MG 54 kt)     |
|   | 07/31/09 15:22 EST                      |                      | 0                      | Source: Mesonet                         |
| A wind gust of 54 knots was measured  | at Raccoon Point.                       |                      |                        |   |
| TANGIER SOUND AND THE INLAND V  |   | ORTH ISLAND CO       |                        |   |
|   | 07/31/09 15:23 EST                      |                      | 0                      | Marine Thunderstorm Wind (MG 37 kt)     |
| A wind guet of 27 knots was measured  | 07/31/09 15:23 EST                      |                      | 0                      | Source: Mesonet                         |
| A wind gust of 37 knots was measured  | at Onsileid.                            |                      |                        |   |
| Chesapeake Bay. A southwest flow al<br>atmosphere. The moderate amounts on<br>thunderstorms to produce gusty wind   | of instability combined with the forcin |                      |                        | _                                       |
| MARYLAND, Central   |   |                      |                        |   |
| CHARLES COUNTY 0.9 SE COBB IS   | S [38.2676.84]                          |                      |                        |   |
|   | 07/01/09 19:10 EST                      |                      | 0                      | Hail (0.75 in)                          |
|   | 07/01/09 19:10 EST                      |                      | 0                      | Source: Fire Department/Rescue          |
| Penny size hail was reported near Cobl  | b Island.                               |                      |                        |   |
| ST. MARY'S COUNTY 1.2 SSE MAD   | DOX [38.31, -76.81]                     |                      |                        |   |
|   | 07/01/09 19:14 EST                      |                      | 0                      | Thunderstorm Wind (EG 50 kt)            |
|   | 07/01/09 19:14 EST                      |                      | 0                      | Source: Emergency Manager               |
| A tree was down on Maddox Road near   | r Notley Hall Road.                     |                      |                        |   |
| ST. MARY'S COUNTY 0.9 NNW COI   | MPTON [38.28, -76.71]                   |                      |                        |   |
|   | 07/01/09 19:23 EST                      |                      | 0                      | Thunderstorm Wind (EG 50 kt)            |
|   | 07/01/09 19:23 EST                      |                      | 0                      | Source: Emergency Manager               |
| A tree was down along with electric wire  | es on Lady Baltimore Avenue.            |                      |                        |   |
| ST. MARY'S COUNTY 1.8 W LEONA   | ARDTOWN [38.30, -76.66]                 |                      |                        |   |
|   | 07/01/09 19:25 EST                      |                      | 0                      | Thunderstorm Wind (EG 50 kt)            |
|   | 07/01/09 19:25 EST                      |                      | 0                      | Source: Emergency Manager               |
| A tree was down on Newtowne Neck R  | oad.                                    |                      |                        |   |
| ST. MARY'S COUNTY 0.7 NE COMF   | PTON [38.28, -76.69]                    |                      |                        |   |
|   | 07/01/09 19:26 EST                      |                      | 0                      | Thunderstorm Wind (EG 50 kt)            |
|   | 07/01/09 19:26 EST                      |                      | 0                      | Source: Emergency Manager               |
| A tree was down on Newtowne Neck R  | oad.                                    |                      |                        |   |
| A potent cold front passed through th instability combined with the forcing the fort for thunderstorms to become se | from the front to trigger showers and   | thunderstorms. T     |                        |   |
| ST. MARY'S COUNTY 0.5 E VALLE   | Y LEE [38.20, -76.51]                   |                      |                        |   |
|   | 07/19/09 15:00 EST                      |                      | 1K                     | Dust Devil                              |
|   | 07/40/00 45:00 505                      |                      | •                      | 0 |

Patio furniture was damaged and a woman was injured in Valley Lee due to a dust devil.

Strong surface heating due to sunshine combined with localized winds to produce a dust devil.

07/19/09 15:00 EST

Page 6 of 15 Printed on: 11/15/2009

Source: Public

0

| n was injured due to a lightning strike close by at the Congressional Golf Course in Bethesda.  TGOMERY COUNTY 1.5 NNE LAYHILL [39.10, -77.04]  O7/23/09 17:05 EST 0 H  O7/23/09 17:05 EST 0 H  O7/23/09 17:05 EST 0 S  ter size hail was reported near Aspen Hill.  TIME from the pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moistum. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorms.  ROLL COUNTY 0.9 SW CEDARHURST [39.49, -76.89]  O7/24/09 17:02 EST 0 H  O7/24/09 17:02 EST 0 S  Sy size hail was reported in Finksburg.  HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81]  O7/24/09 17:08 EST 0 S  SO OT TO7/24/09 17:08 EST 0 T  O7/24/09 17:08 EST 0 S  SO OT TO7/24/09 17:08 EST 0 S  SO OT TO7/24/09 17:09 EST 0 S  OT TO7/24/09 17:09 EST 0 S  OT TO7/24/09 17:00 EST 0 S  OT TO7/24/09 18:00 EST 0 S  OT TO7/24/09 18:00 EST 0 S  OT TO S  OT             | event Type and Details                                     |
|--|--|
| n was injured due to a lightning strike close by at the Congressional Golf Course in Bethesda.  TGOMERY COUNTY 1.5 NNE LAYHILL [39.10, -77.04]  O7/23/09 17:05 EST 0 H  O7/23/09 17:05 EST 0 H  O7/23/09 17:05 EST 0 S  ter size hail was reported near Aspen Hill.  TIME from the pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moistum. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorms.  ROLL COUNTY 0.9 SW CEDARHURST [39.49, -76.89]  O7/24/09 17:02 EST 0 H  O7/24/09 17:02 EST 0 S  Sy size hail was reported in Finksburg.  HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81]  O7/24/09 17:08 EST 0 S  SO OT TO7/24/09 17:08 EST 0 T  O7/24/09 17:08 EST 0 S  SO OT TO7/24/09 17:08 EST 0 S  SO OT TO7/24/09 17:09 EST 0 S  OT TO7/24/09 17:09 EST 0 S  OT TO7/24/09 17:00 EST 0 S  OT TO7/24/09 18:00 EST 0 S  OT TO7/24/09 18:00 EST 0 S  OT TO S  OT             | · · · · · · · · · · · · · · · · · · ·                      |
| TROMERY COUNTY 1.5 NNE LAYHILL [39.10, -77.04]  O7/23/09 17:05 EST  O ST  ter size hail was reported near Aspen Hill.  Trom front pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moisture.  The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorms.  ROLL COUNTY 0.9 SW CEDARHURST [39.49, -76.89]  O7/24/09 17:02 EST  O HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81]  O7/24/09 17:02 EST  O S  SA and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54]  O7/24/09 17:08 EST  O S  O7/24/09 17:08 EST  O S  O7/24/09 17:09 EST  O S  O7/24/09 17:09 EST  O S  O7/24/09 18:00 EST  O S  O7/26/09 14:37 EST  O S  O7/26/09 14:37 EST  O S  O7/26/09 14:37 EST  O S  O7/26/09 14:38 EST  O S  O7/26/09 14:38 EST  O S  OFRICK COUNTY DAMERON [38.15, -76.37]  O7/26/09 14:38 EST  O S  OFRICK COUNTY DAMERON [38.15, -76.37]  O7/26/09 14:38 EST  O S  OFRICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  O7/26/09 15:51 EST  O DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  O7/26/09 15:51 EST  O TO   | ightning<br>Source: Broadcast Media                        |
| ter size hall was reported near Aspen Hill.  Imm front pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moistum. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the proceedings | ouros. Sistancias modul                                    |
| ter size hall was reported near Aspen Hill.  Imm front pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moistum. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm. Proceedings of the proceedings |  |
| ter size hall was reported near Aspen Hill.  rm front pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moistum. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorms.  ROLL COUNTY 0.9 SW CEDARHURST [39.49, -76.89]  07/24/09 17:02 EST  0 H  07/24/09 17:02 EST  0 S  y size hail was reported in Finksburg.  HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81]  07/24/09 17:08 EST  0 S  and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54]  07/24/09 17:40 EST  0 S  di gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25]  07/24/09 18:00 EST  0 S  07/24/09 18:00 EST  0 S  y size hail was reported in Sewell.  uph of low pressure over the region caused showers and thunderstorms to develop. There was enough cold all derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41]  07/26/09 14:37 EST  0 S  y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST  0 S  y size hail was reported in Dameron.  | łail (1.00 in)   |
| rm front pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moistum. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorms.  ROLL COUNTY 0.9 SW CEDARHURST [39.49, -76.89]  07/24/09 17:02 EST 0 SY size hail was reported in Finksburg.  HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81]  07/24/09 17:08 EST 0 SY STAND SET ON SET ON SY STAND SET ON SET ON SY STAND SET ON SET         | Source: Trained Spotter                                    |
| In. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorms (Proc.)    Commonship   |  |
| 07/24/09 17:02 EST 0 H 07/24/09 17:02 EST 0 S  sy size hail was reported in Finksburg.  HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81] 07/24/09 17:08 EST 0 T 07/24/09 17:08 EST 0 S  s and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54] 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 S  and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25] 07/24/09 18:00 EST 0 S  y size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold aliderstorms to become severe.  IMARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 S  y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S  y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T  |  |
| 97/24/09 17:02 EST 0 S  By size hail was reported in Finksburg.  HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81]  07/24/09 17:08 EST 0 T  07/24/09 17:08 EST 0 S  s and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54]  07/24/09 17:40 EST 0 T  07/24/09 17:40 EST 0 S  and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25]  07/24/09 18:00 EST 0 S  07/24/09 18:00 EST 0 S  and sure region caused showers and thunderstorms to develop. There was enough cold and derstorms to become severe.  IARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41]  07/26/09 14:37 EST 0 H  07/26/09 14:37 EST 0 S  and wires were down near Grimes.  DERICK COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST 0 S  by size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST 0 T   |  |
| Size hail was reported in Finksburg.   Size hail was reported in Finksburg.   Size hail was reported in Finksburg.   O7/24/09 17:08 EST  | dail (0.75 in)<br>Source: Public                           |
| HINGTON COUNTY 2.5 WSW GRIMES [39.51, -77.81] 07/24/09 17:08 EST 0 S s and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54] 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 S and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25] 07/24/09 18:00 EST 0 S y size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold all derstorms to become severe.  IARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 S y size hail was reported Saint Inigoes.  IARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T   | ource. Public  |
| 07/24/09 17:08 EST 0 T 07/24/09 17:08 EST 0 S s and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54] 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 S and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25] 07/24/09 18:00 EST 0 S 07/24/09 18:00 EST 0 S  07/24/09 18:00 EST 0 S  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold alidderstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 S  uy size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S  uy size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T   |  |
| 07/24/09 17:08 EST 0 S s and wires were down near Grimes.  DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54] 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 S and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25] 07/24/09 18:00 EST 0 H 07/24/09 18:00 EST 0 S sy size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold aliderstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 H 07/26/09 14:37 EST 0 S sy size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S sy size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T   |  |
| DERICK COUNTY 0.9 SE MIDDLETOWN [39.44, -77.54]  07/24/09 17:40 EST 07/24/09 17:40 EST 0 S  Indigust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25]  07/24/09 18:00 EST 0 S  By size hail was reported in Sewell.  INARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 S  By size hail was reported Saint Inigoes.  INARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S  By size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T  | hunderstorm Wind (EG 50 kt) Source: Fire Department/Rescue |
| 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 S  and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25]  07/24/09 18:00 EST 0 H 07/24/09 18:00 EST 0 S  any size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold and derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 H 07/26/09 14:37 EST 0 S  any size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S  by size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T  | ource. The Department/Nescue                               |
| 07/24/09 17:40 EST 0 T 07/24/09 17:40 EST 0 S  and gust of 59 mph was measured in Middletown.  FORD COUNTY SEWELL [39.47, -76.25]  07/24/09 18:00 EST 0 H 07/24/09 18:00 EST 0 S  any size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold and derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 H 07/26/09 14:37 EST 0 S  any size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 S  by size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T  |  |
| ### To Provided By the state of 59 mph was measured in Middletown.    10   | hunderstorm Wind (MG 51 kt)                                |
| ### FORD COUNTY SEWELL [39.47, -76.25]  07/24/09 18:00 EST   | Source: Mesonet  |
| 07/24/09 18:00 EST 0 S  07/24/09 18:00 EST 0 S  y size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold air derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 H 07/26/09 14:37 EST 0 S  y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 H 07/26/09 14:38 EST 0 S  y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T  |  |
| y size hail was reported in Sewell.  ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold air derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41]  07/26/09 14:37 EST  0 H  07/26/09 14:37 EST  0 S  y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST  0 S  y size hail was reported in Dameron.   |  |
| ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold air derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41]  07/26/09 14:37 EST  0 H  07/26/09 14:37 EST  0 S  y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST  0 S  y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST  0 T  | lail (0.75 in)   |
| ugh of low pressure over the region caused showers and thunderstorms to develop. There was enough cold air derstorms to become severe.  MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41]  07/26/09 14:37 EST  0 H  07/26/09 14:37 EST  0 S  y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST  0 H  07/26/09 14:38 EST  0 S  y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST  0 T   | Source: Trained Spotter                                    |
| MARY'S COUNTY 0.5 W ST INIGOES [38.15, -76.41] 07/26/09 14:37 EST 0 H 07/26/09 14:37 EST 0 S  By size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 H 07/26/09 14:38 EST 0 S  By size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T   |  |
| 07/26/09 14:37 EST 0 H 07/26/09 14:37 EST 0 S  by size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37] 07/26/09 14:38 EST 0 H 07/26/09 14:38 EST 0 S  by size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T  | r aloft for some   |
| 07/26/09 14:37 EST 0 S  by size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST 0 H  07/26/09 14:38 EST 0 S  by size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST 0 T  |  |
| y size hail was reported Saint Inigoes.  MARY'S COUNTY DAMERON [38.15, -76.37]  07/26/09 14:38 EST 0 H  07/26/09 14:38 EST 0 S  y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST 0 T  | Hail (0.75 in)   |
| 07/26/09 14:38 EST 0 H 07/26/09 14:38 EST 0 S  By size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T   | Source: Trained Spotter                                    |
| 07/26/09 14:38 EST 0 H 07/26/09 14:38 EST 0 S  By size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52] 07/26/09 15:51 EST 0 T   |  |
| 07/26/09 14:38 EST 0 S  by size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST 0 T   | lail (0.75 in)   |
| y size hail was reported in Dameron.  DERICK COUNTY 1.1 W PLEASANT VIEW [39.28, -77.52]  07/26/09 15:51 EST 0 T  | Source: Trained Spotter                                    |
| 07/26/09 15:51 EST 0 T   | •  |
| 07/26/09 15:51 EST 0 T   |  |
|  | hunderstorm Wind (EG 55 kt)                                |
|  | Source: Newspaper  |
| ge tree was down and there was structural damage to a machine shed.  |  |

MONTGOMERY COUNTY --- 0.9 NW DICKERSON [39.23, -77.44]

Page 7 of 15 Printed on: 11/15/2009

| Location                                     | Date/Time                                | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details         |
|--|--|----------------------|------------------------|--------------------------------|
|  | 07/26/09 15:57 EST                       |                      | 0                      | Thunderstorm Wind (EG 55 kt)   |
|  | 07/26/09 15:57 EST                       |                      | 0                      | Source: NWS Employee           |
| Large trees were blown down. Large branche   | s were also down along Route 28          | 3 near the Monoca    | cy River Bridge.       |                                |
| HOWARD COUNTY 0.7 N LISBON [39.34,           | =  |                      |                        | T                              |
|  | 07/26/09 16:35 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt)   |
|  | 07/26/09 16:35 EST                       |                      | 0                      | Source: Trained Spotter        |
| Trees were down along Route 94.              |  |                      |                        |                                |
| HOWARD COUNTY 0.7 N LISBON [39.34,           | =  |                      |                        | Hall (6.75 ia)                 |
|  | 07/26/09 16:38 EST                       |                      | 0                      | Hail (0.75 in)                 |
|  | 07/26/09 16:39 EST                       |                      | 0                      | Source: Fire Department/Rescue |
| Penny size hail was reported in Lisbon.      |  |                      |                        |                                |
| CARROLL COUNTY ELDERSBURG [39.4              |  |                      |                        |                                |
|  | 07/26/09 16:52 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt)   |
|  | 07/26/09 16:52 EST                       |                      | 0                      | Source: Trained Spotter        |
| Several tree branches were down in Eldersbu  | irg.                                     |                      |                        |                                |
| BALTIMORE COUNTY 0.2 S TYLER [39.4:          | 3, -76.85]                               |                      |                        |                                |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Thunderstorm Wind (EG 60 kt)   |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Source: Emergency Manager      |
| Trees and power lines were down on Deer Pa   | ark Road. A tree fell onto a house       |                      |                        |                                |
| BALTIMORE COUNTY 0.6 SW DELIGHT [            | 39.4276.831                              |                      |                        |                                |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Thunderstorm Wind (EG 55 kt)   |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Source: Emergency Manager      |
| Trees and wires were down on Sunbrook Roa    | ad.                                      |                      |                        |                                |
| BALTIMORE COUNTY 0.9 SE HOLBROOI             | € [39 39 -76 84]                         |                      |                        |                                |
| BALTIMORE GOOK! I 0.3 GE HOLBROOM            | 07/26/09 17:05 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt)   |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Source: Trained Spotter        |
| A tree was blown down on Lyons Mill Road.    |  |                      |                        |                                |
| BALTIMORE COUNTY 1.1 W TYLER [39.4           | 3 -76 871                                |                      |                        |                                |
| 2.42   | 07/26/09 17:05 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt)   |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Source: Emergency Manager      |
| Trees and power lines were down on Deer Pa   | ark Road.                                |                      |                        |                                |
| DALTIMODE COUNTY 45 W TV TT TT               | 2 70 001                                 |                      |                        |                                |
| BALTIMORE COUNTY 1.6 W TYLER [39.4           | .3, -76.88]<br>07/26/09 17:05 EST        |                      | 0                      | Thunderstorm Wind (EG 60 kt)   |
|  | 07/26/09 17:05 EST                       |                      | 0                      | Source: Emergency Manager      |
| Numerous trees were down. Trees fell on hou  | uses in the Church Road Area.            |                      |                        | <b>.</b>                       |
|  |  |                      |                        |                                |
| BALTIMORE COUNTY 0.7 E TYLER [39.45          | 3 <b>, -76.84]</b><br>07/26/09 17:06 EST |                      | 0                      | Thunderstorm Wind (EG 60 kt)   |
|  | 07/26/09 17:06 EST                       |                      | 0                      | Source: Emergency Manager      |
| Numerous trees were down and trees fell on l | houses at the intersection of Berr       | ymans and Churcl     | n Road.                |                                |
| DALTIMODE COUNTY ASSURES                     | 244 70 003                               |                      |                        |                                |
| BALTIMORE COUNTY 0.8 N DELIGHT [39           | 0.44, -76.82]<br>07/26/09 17:06 EST      |                      | 0                      | Thunderstorm Wind (EG 60 kt)   |
|  | 07/26/09 17:06 EST                       |                      | 0                      | Source: Emergency Manager      |
|  |  |                      |                        | •                              |

Page 8 of 15 Printed on: 11/15/2009

| Location   | Date/Time                                | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|--|----------------------|------------------------|------------------------------|
| Trees and power lines were down on Cherry Hi   | I Court. A tree fell on a house.         |                      |                        |                              |
| BALTIMORE COUNTY 0.9 SW OWINGS MIL   | LS [39.41, -76.79]                       |                      |                        |                              |
|  | 07/26/09 17:06 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt) |
|  | 07/26/09 17:06 EST                       |                      | 0                      | Source: Law Enforcement      |
| Multiple trees were down in Owings Mills.  |  |                      |                        |                              |
| HARFORD COUNTY 1.6 W LAUREL BROOM  | ( [39.52, -76.46]                        |                      |                        |                              |
|  | 07/26/09 17:14 EST                       |                      | 0                      | Hail (1.75 in)               |
|  | 07/26/09 17:14 EST                       |                      | 0                      | Source: Trained Spotter      |
| Golf ball size hail was reported near Fallston.  |  |                      |                        |                              |
| BALTIMORE COUNTY 0.5 E BELLTOWN [3:  | 9.43, -76.79]                            |                      |                        |                              |
|  | 07/26/09 17:17 EST                       |                      | 0                      | Hail (0.75 in)               |
|  | 07/26/09 17:17 EST                       |                      | 0                      | Source: Trained Spotter      |
| Penny size hail was reported in Owings Mills.  |  |                      |                        |                              |
| HARFORD COUNTY 0.7 S GIBSON [39.57, -  | 76 331                                   |                      |                        |                              |
| in a cite court of a ciecon policy,  | 07/26/09 18:02 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt) |
|  | 07/26/09 18:02 EST                       |                      | 0                      | Source: Emergency Manager    |
| A large tree was blown onto power lines near H   | ickory.                                  |                      |                        |                              |
| HARFORD COUNTY 0.9 SE GIBSON [39.57,   | <b>-76 321</b>                           |                      |                        |                              |
| TIAK! OND COOK! 1 0.3 SE GIBOOK [33.37]  | 07/26/09 18:02 EST                       |                      | 0                      | Hail (1.00 in)               |
|  | 07/26/09 18:02 EST                       |                      | 0                      | Source: Trained Spotter      |
| Quarter size hail was reported near Hickory.   |  |                      |                        |                              |
| HARFORD COUNTY 0.9 SE GIBSON [39.57,   | 76 221                                   |                      |                        |                              |
| MAKFORD COUNTY 0.9 SE GIBSON [59.97]   | 07/26/09 18:02 EST                       |                      | 0                      | Thunderstorm Wind (EG 50 kt) |
|  | 07/26/09 18:02 EST                       |                      | 0                      | Source: Emergency Manager    |
| A large tree was blown onto power lines near H   | ickory.                                  |                      |                        |                              |
| HAPPORD COUNTY / ANY TOWN TOWN   | EN 100 EE - E0 000                       |                      |                        |                              |
| HARFORD COUNTY 1.6 W FOUNTAIN GRE  | EN [39.55, -76.33]<br>07/26/09 18:04 EST |                      | 0                      | Hail (0.75 in)               |
|  | 07/26/09 18:04 EST                       |                      | 0                      | Source: Trained Spotter      |
| Penny size hail was reported near Bel Air.   |  |                      |                        |                              |
|  |  |                      |                        |                              |
| HARFORD COUNTY LAPIDUM [39.60, -76.1   | <b>3]</b><br>07/26/09 18:24 EST          |                      | 0                      | Thunderstorm Wind (EG 60 kt) |
|  | 07/26/09 18:24 EST                       |                      | 0                      | Source: Emergency Manager    |
| Trees were topped and numerous branches we   | re snapped. Trees two to three f         | eet in diameter w    | ere blown down wi      | th power outages reported.   |
| An upper-level low over the Great lakes provi  | ded cooler air aloft. The warm           | and humid air at     | the surface combi      | ined with the cooler air     |
| aloft to allow for an unstable atmosphere. She<br>strong enough for some thunderstorms to be | owers and thunderstorms popp             |                      |                        |                              |
|  |  |                      |                        |                              |
| ALLEGANY COUNTY 0.6 SW OLDTOWN [3:   | 9.54, -78.63], 4.2 W GREEN RAI           | NGE STATION [3       | 9.61, -78.51]          |                              |

Tornado (EF0, L: 5.30 mi , W: 100 yd) 07/29/09 13:48 EST 0

07/29/09 14:05 EST 0 Source: NWS Storm Survey

Damage to trees, telephone poles, and structures were surveyed near the intersection of Old Braddock Trail and Brookstree Lane.

Dozens of trees were uprooted along Wagner Road as well as Oldtown Cemetery Road and Lower Town Creek Road.

Page 9 of 15 11/15/2009 Printed on:

| ALLEGANY COUNTY 1.1 W LITTLE ORLEANS [39.6378.40]  0772909 14:20 EST  0 Source: Trained Spotter  Trees were down near Little Orleans.  ALLEGANY COUNTY 0.5 SSW BELLE GROVE [38.6978.33], 0.5 E BELLE GROVE [39.70, -78.32]  0772909 14:20 EST  0 Source: Trained Spotter  A funnel cloud was observed in association with tree damage near Whitfield Road.  A potent cold front approached Maryland on the 28th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability shead of the front for some thunderstorms to become severe.  FREDERICK COUNTY 2.5 ESE PARK MILLS [39.28, -77.38]  0773109 13:05 EST  0 Source: NWS Storm Survey  Several trees were uproted along with large tree limbs near Park Mils.  FREDERICK COUNTY 1.3 WNW FREDERICK JCT [39.39, -77.42]  0773109 13:06 EST  0 Source: Mesonet  A wind guist of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [38.35, -77.36], 0.7 E LAMSVILLE [39.37, -77.32]  0773109 13:06 EST  0 Source: Mesonet  A second read-and a shifted conflowable. As an examination and plannel large branches were broken from hardwood trees. The circulation impated several seadences along Ball Road between Table Road and plannelist Road. One readence suffered roof attracture damage and boken windows. In this location have down and an althird conflowable. As an examination of the hore was little free feet to the east.  Many trees were snapped drong Mussetter Road. A large home suffered roof damage and shructural damage and a barn was destroyed.  FREDERICK COUNTY 1.2 SSW LIAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  0773109 13:14 EST  0 Tomado (EF1, L-2.60 mi, W. 390 yd)  0773109 13:14 EST  0 Tomado (EF1, L-2.60 mi, W. 390 yd)  0773109 13:14 EST  0 Tomado (EF1, L-2.60 mi, W. 390 yd)  0773109 13:14 EST  0 Tomado (EF1, L-2.60 mi, W. 390 yd)  0773109 13:14 EST  0 Source: MNS Storm Survey  Source MNS                              |  | Date/Time   | Deaths &<br>Injuries  | Property &<br>Crop Dmg                              | Event Type and Details  |
|--|--|---|---|---|---|
| Trees were down near Little Orleans.  ALLEGANY COUNTY — 0.5 SSW BELLE GROVE [39.69, -78.33], 0.5 E BELLE GROVE [39.70, -78.32]  OT 2000 14.29 EST  O Source: Emergency Manager  A funnal cloud was observed in association with tree damage near Whitfield Road. A potent cold front approached Maryland on the 28th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combinited with instability ahead of the front for some thunderstorms to become severe.  FREDERICK COUNTY — 2.5 ESE PARK MILLS [39.29, -77.38]  OTA 109 13.06 EST  OSource: Mesonet  FREDERICK COUNTY — 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  OTA 109 13.06 EST  OTA 109 13.06 EST  OSOURCE: Mesonet  FREDERICK COUNTY — 1.8 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  OTA 109 13.06 EST  OSOURCE: Mesonet  A second residence along a manager and and Ijamswille Road. One residence suffered froof structure damage and broken windows. In this location here for was upided and shifted northward. An air conditioner unten the north aid of the hore was differed froof affirmative of them the was destroyed.  FREDERICK COUNTY — 1.2 SSW IJAMSVILLE [39.35, -77.36], 1.4 W MONROVILA [38.37, -77.30]  OTA 109 13.16 EST  OSOURCE: MSS Storm Survey  Several trees were snapped or uproted along Ijamsville Road. One residence subsidered model and protected windows. In this location here for was under the model of the hore was differed froof damage and broken windows. In this location hereodered and suffered model windows. In this locat | ALLEGANY COUNTY 1.1 W LITTLE ORI   | <br>LEANS [39.63, -78.40]   |   |   |   |
| Trees were down near Little Orleans.  ALLEGANY COUNTY — 0.5 SSW BELLE GROVE [38.68, 78.33], 0.5 E BELLE GROVE [98.70, 78.32]  O728/09 14:31 EST  O Source: Emergency Manager  A funnel cloud was observed in association with tree damage near Whitfield Road. A funnel cloud was observed in association with tree damage near Whitfield Road. A potent cold front approached Maryland on the 29th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.  FREDERICK COUNTY — 2.5 ESE PARK MILLS [39.28, 77.38]  O731/09 13.05 EST  O Thunderstorm Wind (EG 60 kt)  O731/09 13.05 EST  O Source: NWS Storm Survey  Several trees were uprooted along with large tree limbs near Park Mills.  FREDERICK COUNTY — 1.3 WNW FREDERICK LCT [39.38, 77.42]  O731/09 13.06 EST  O731/09 13.06 EST  O Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY — 1.6 NNW URBANA [39.35, 77.35], 0.7 E LIAMSYLLE [39.37, 77.32]  O731/09 13.15 EST  O Source: NWS Storm Survey  Sportaclic tree damage was noted along Tabler Road, where large transches were broken from hardwood trees. The crossistion impacted several residences along Ball Road between Tabler Road and ignoreable Road. One residences suffered roaf structure damage and broken windows. In this location the roof was suffilled and chillred methinard. An air conditioner unit on the roof side of the hone was linked and transported filtern feet to the east.  Many trees were snapped along Mussester Road. A large home suffered roof damage and shructural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY — 1.2 SSW IJAMSVILLE [29.35, 77.34], 4 W MONROVIA [39.37, 77.30]  O7731/09 13.16 EST  O Tornado (EF1, L. 2.60 mil, W: SSD ys)  Source: NWS Storm Survey |  | 07/29/09 14:20 EST  |   | 0   | Thunderstorm Wind (EG 50 kt)  |
| ALLEGANY COUNTY — 0.5 SSW BELLE GROVE [38.63, -78.33], 0.5 E BELLE GROVE [38.70, -78.32]  0 7725/009 14/29 EST 0 Source: Emergency Manager  A funnel cloud was observed in association with free damage near Whitfield Road.  A potent cold front approached Maryland on the 28th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.  **REDERICK COUNTY — 2.5 ESE PARK MILLS [39.28, -77.38]  0 7731/09 13.05 EST 0 Thunderstorm Wind [EG 80 kt)  07/31/09 13.05 EST 0 Source: NWS Storm Survey  **Several trees were uprooted along with large tree limbs near Park Mills.  **REDERICK COUNTY — 1.3 WNW FREDERICK JCT [33.38, -77.42]  07/31/09 13.06 EST 0 Thunderstorm Wind (EG 65 kt)  07/31/09 13.06 EST 0 Tourned (EF1, L: 2.80 mil, W: 125 yd)  07/31/09 13.06 EST 0 Tourned (EF1, L: 2.80 mil, W: 125 yd)  07/31/09 13.06 EST 0 Tourned (EF1, L: 2.80 mil, W: 125 yd)  07/31/09 13.06 EST 0 Tourned (EF1, L: 2.80 mil, W: 125 yd)  07/31/09 13.06 EST 0 Tourned (EF1, L: 2.80 mil, W: 125 yd)  07/31/09 13.15 EST 0 Source: NWS Storm Survey  **Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several elevations along Ball Road between Tabler Road and Igamsville Road. One residence suffered roof structure damage and broken vindows. In this location here not was sufficient and shifted northwards. An air conditions unto the north selfided of the hore was linked and transported fifteen feet to the east.  **Alarly trees were snapped or uprooted along ijamsville Road and Pitce Distillery Road. Several hundred hardwood and softwood trees were snapped or prooted along ijamsville Road and Pitce Distillery Road. Several hundred hardwood and softwood trees were snapped or prooted along ijamsville Road and Pitce Distillery Road. Several hundred hardwood and softwood trees were snapped or prooted along ijamsviller Road and Pitce Distillery Road. Several hundred hardwood and s |  | 07/29/09 14:20 EST  |   | 0   | Source: Trained Spotter   |
| O7/28/09 14:31 EST 0 Source: Emergency Manager  A funnel cloud was observed in association with ree damage near Whitfield Road.  A potent cold front approached Maryland on the 29th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.  **REDERICK COUNTY 2.5 ESE PARK MILLS [38 25, -77.38]  | Frees were down near Little Orleans.   |   |   |   |   |
| A funnel cloud was observed in association with tree damage near Whitfield Road.  A potent cold front approached Maryland on the 28th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.  **REDERICK COUNTY 2.5 ESE PARK MILLS (19.28, -77.38)  O7/31/09 13/05 EST  O7/31/09 13/05 EST  O7/31/09 13/05 EST  O7/31/09 13/06 EST  O/31/09 13/16 EST  O/31/09 13/06 EST  O/31/09 13/16 EST  O/31/09     | ALLEGANY COUNTY 0.5 SSW BELLE (  |   | E GROVE [39.70, -   | =   |   |
| A funnel cloud was observed in association with free damage near Whitfield Road.  A potent cold front approached Maryland on the 28th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.  FREDERICK COUNTY 2.5 ESE PARK MILLS (38.2577.38)   |  |   |   | -   |   |
| A potent cold front approached Maryland on the 29th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.  **REDERICK COUNTY 2.5 ESE PARK MILLS [39.28, -77.38]   |  | 07/29/09 14:31 EST  |   | 0   | Source: Emergency Manager   |
| Combined with instability ahead of the front for some thunderstorms to become severe.  FREDERICK COUNTY 2.5 ESE PARK MILLS [39.28, -77.38] 07/31/09 13:05 EST 0 7/31/09 13:05 EST 0 Source: NWS Storm Survey  Several trees were uprooted along with large tree limbs near Park Mills.  FREDERICK COUNTY 1.3 WNW FREDERICK JCT [39.39, -77.42] 07/31/09 13:06 EST 0 Thunderstorm Wind (EG 56 kt) 07/31/09 13:06 EST 0 Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32] 07/31/09 13:06 EST 0 Tomado (EF1, L: 2.60 mi, W: 125 yd) 07/31/09 13:13 EST 0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circumstance impacted several residences along Ball Road between Tabler Road and illamsville Road. One residence suffered roof structure damage and broken windows, in this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30] 0 Tomado (EF1, L: 2.60 mi, W: 350 yd) 07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Jimsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Jimsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Winkiey Road and Whiskey Count. One home bearing specially shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A cubrical server is so lost many shingles from its roof.  MONTGOMERY COUNTY HYATT                     | A funnel cloud was observed in association   | with tree damage near Whitfield Ro  | oad.  |   |   |
| Several trees were uproofed along with large tree limbs near PAT Mills.  FREDERICK COUNTY 1.3 WNW FREDERICK JCT [39.39. 77.42]  0773 1/09 13:06 EST  0 Thunderstorm Wind (EG 56 kt)  0773 1/09 13:06 EST  0 Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, 77.36], 0.7 E IJAMSVILLE [39.37, 77.32]  0773 1/09 13:10 EST  0 Tornado (EF1, L: 2.60 mi, W: 125 yd)  0773 1/09 13:13 EST  0 Source: NWS Storm Survey  Soporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and lijamsville Road. One residence suffered roof structure damage and broken windows. In this location her roof was uplitted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  FREDERICK COUNTY1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  0773 1/09 13:08 EST  0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Jiamsville Road and Price Distillery Road. Several hundred hardwood and softwood Winds was respected or purpooted along Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some disloidging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  0773 1/09 13:11 EST  0 Thunderstorm Wind (EG 52 kt)  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32]  0773 1/09 13:12 EST  0 Thunderstorm Wind (EG 52 kt)   |  |   | =   | d ahead of the col                                  | ld front. Strong winds aloft  |
| Several trees were uprooted along with large tree limbs near Park Mills.  FREDERICK COUNTY 1.3 WNW FREDERICK JCT [39.39, -77.42]  07/31/09 13:06 EST 0 Thunderstorm Wind (EG 56 kt)  07/31/09 13:06 EST 0 Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  07/31/09 13:10 EST 0 Tornado (EF1, L: 2.60 mi , W: 125 yd)  07/31/09 13:13 EST 0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and IJamsville Road. One residence suffered roof structure damage and broken windows. In this location her ord was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:14 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd)  07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or prooted along Whiskey Road and Whiskey Count. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY 1.7 S HYATTSTOWN [39.27, -77.32]  07/31/09 13:11 EST 0 Thunderstorm Wind (EG 52 kt)  07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | FREDERICK COUNTY 2.5 ESE PARK M  | ILLS [39.28, -77.38]  |   |   |   |
| Several trees were uprooted along with large tree limbs near Park Mills.  FREDERICK COUNTY 1.3 WNW FREDERICK JCT [38.39, -77.42]  07/31/09 13:06 EST  0 Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.38, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  07/31/09 13:06 EST  0 Tornado (EF1, L: 2.60 mi , W: 125 yd)  07/31/09 13:16 EST  0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamswille Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:08 EST  0 Tornado (EF1, L: 2.60 mi , W: 125 yd)  Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamswille Road and Prico Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  0//31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  0//31/09 13:12 EST  0 Thunderstorm Wind (EG 52 kt)   |  | 07/31/09 13:05 EST  |   | 0   | Thunderstorm Wind (EG 60 kt)  |
| FREDERICK COUNTY 1.3 WNW FREDERICK JCT [39.39, -77.42] 07/31/09 13:06 EST 0 Thunderstorm Wind (EG 56 kt) 07/31/09 13:06 EST 0 Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32] 07/31/09 13:06 EST 0 Tomado (EF1, L: 2.60 mi, W: 125 yd) 07/31/09 13:15 EST 0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and jamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30] 07/31/09 13:08 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd) 07/31/09 13:04 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along ljamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32] 07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  |  | 07/31/09 13:05 EST  |   | 0   | Source: NWS Storm Survey  |
| O7/31/09 13:06 EST 0 Thunderstorm Wind (EG 56 kt) 07/31/09 13:06 EST 0 Source: Mesonet  A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32] O7/31/09 13:06 EST 0 Tornado (EF.1, L: 2.60 mi , W: 125 yd) O7/31/09 13:13 EST 0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamswille Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30] O7/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamswille Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specially shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32] O7/31/09 13:11 EST 0 Source: Mesonet  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] O7/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | Several trees were uprooted along with larg  | e tree limbs near Park Mills.   |   |   |   |
| A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  07731/09 13:06 EST 0 Tornado (EF1, L: 2.60 mi , W: 125 yd)  07731/09 13:13 EST 0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location her roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:04 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd)  07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt)  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32]  07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  | FREDERICK COUNTY 1.3 WNW FREDE   | RICK JCT [39.39, -77.42]  |   |   |   |
| A wind gust of 56 knots was estimated at Crestwood Middle School.  FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  07/31/09 13:06 EST  0 Tornado (EF1, L: 2.60 mi , W: 125 yd)  07/31/09 13:13 EST  0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamswille Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:08 EST  0 Tornado (EF1, L: 2.60 mi , W: 350 yd)  07/31/09 13:14 EST  0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamswille Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  07/31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  07/31/09 13:11 EST  0 Thunderstorm Wind (EG 52 kt)  |  | 07/31/09 13:06 EST  |   | 0   | Thunderstorm Wind (EG 56 kt)  |
| FREDERICK COUNTY 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]  07/31/09 13:06 EST 07/31/09 13:13 EST 0 Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:14 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd)  07/31/109 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along jignsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along lymsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along withskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt)  07/31/09 13:11 EST 0 Source: Mesonet  A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32]  07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  |  | 07/31/09 13:06 EST  |   | 0   | Source: Mesonet   |
| 07/31/09 13:06 EST 0 Tornado (EF1, L: 2.60 mi , W: 125 yd) 07/31/09 13:13 EST 0 Tornado (EF1, L: 2.60 mi , W: 125 yd) Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30] 07/31/09 13:08 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd) 07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32] 07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  | A wind gust of 56 knots was estimated at C   | restwood Middle School.   |   |   |   |
| 07/31/09 13:06 EST 0 Tornado (EF1, L: 2.60 mi , W: 125 yd) 07/31/09 13:13 EST 0 Tornado (EF1, L: 2.60 mi , W: 125 yd) Source: NWS Storm Survey  Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30] 07/31/09 13:08 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd) 07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32] 07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  | FREDERICK COUNTY 1.6 NNW URBAN   | A [39.35, -77.36], 0.7 E IJAMSVILL  | E [39.37, -77.32]   |   |   |
| Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:14 EST  0 Tornado (EF1, L: 2.60 mi , W: 350 yd)  07/31/09 13:14 EST  0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  07/31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32]  07/31/09 13:12 EST  0 Thunderstorm Wind (EG 52 kt)   |  | 07/31/09 13:06 EST  |   | 0   | Tornado (EF1, L: 2.60 mi , W: 125 yd)   |
| residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.  Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.  A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.  FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:08 EST  0 Tornado (EF1, L: 2.60 mi , W: 350 yd)  07/31/09 13:14 EST  0 Source: NWS Strom Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  07/31/09 13:11 EST  0 Thunderstorm Wind (EG 52 kt)  |  | 07/31/09 13:13 EST  |   | 0   | Source: NWS Storm Survey  |
| FREDERICK COUNTY 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]  07/31/09 13:08 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd) 07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | residences along Ball Road between Tabler  | Road and Ijamsville Road. One res   | sidence suffered re   |   | ge and broken windows. In this location   |
| 07/31/09 13:08 EST 0 Tornado (EF1, L: 2.60 mi , W: 350 yd) 07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32] 07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | •  | Road. A large home suffered roof d  |   |   |   |
| 07/31/09 13:14 EST 0 Source: NWS Storm Survey  Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32] 07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  | Many trees were snapped along Mussetter  | •   | amage and structu   | ıral damage and a                                   |   |
| Several trees were snapped or uprooted along ljamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.  MONTGOMERY COUNTY HYATTSTOWN [39.28, -77.32]  07/31/09 13:11 EST  0 Thunderstorm Wind (MG 52 kt)  07/31/09 13:11 EST  0 Source: Mesonet  A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32]  07/31/09 13:12 EST  0 Thunderstorm Wind (EG 52 kt)   | Many trees were snapped along Mussetter A second residence also experienced an up  | olift of roofing. Several metal-sided b   | amage and structu   | stroyed.  | barn was destroyed.   |
| 07/31/09 13:11 EST 0 Thunderstorm Wind (MG 52 kt) 07/31/09 13:11 EST 0 Source: Mesonet  A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | Many trees were snapped along Mussetter A second residence also experienced an up  | olift of roofing. Several metal-sided b<br>FILLE [39.35, -77.34], 1.4 W MONRO<br>07/31/09 13:08 EST   | amage and structu   | stroyed.  | Tornado (EF1, L: 2.60 mi , W: 350 yd)   |
| 07/31/09 13:11 EST 0 Source: Mesonet  A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | Many trees were snapped along Mussetter A second residence also experienced an up FREDERICK COUNTY 1.2 SSW IJAMSV Several trees were snapped or uprooted alcuprooted along Whiskey Road and Whiskey  | olift of roofing. Several metal-sided by TILLE [39.35, -77.34], 1.4 W MONRO 07/31/09 13:08 EST 07/31/09 13:14 EST ong Ijamsville Road and Price Distill of Court. One home bearing specialty  | parms were also de<br>DVIA [39.37, -77.30]<br>dery Road. Several<br>y shingles to withs | stroyed.  1 0 0 hundred hardwood                    | Tornado (EF1, L: 2.60 mi , W: 350 yd) Source: NWS Storm Survey d and softwood trees were snapped or   |
| A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.  MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32]  07/31/09 13:12 EST  0 Thunderstorm Wind (EG 52 kt)   | Many trees were snapped along Mussetter  A second residence also experienced an up  FREDERICK COUNTY 1.2 SSW IJAMSV  Several trees were snapped or uprooted alouprooted along Whiskey Road and Whiskey shingles. A clubhouse on the golf Course along was along the same al | olift of roofing. Several metal-sided by TILLE [39.35, -77.34], 1.4 W MONRO 07/31/09 13:08 EST 07/31/09 13:14 EST ong Ijamsville Road and Price Distill of Court. One home bearing specialty so lost many shingles from its roof.   | parms were also de<br>DVIA [39.37, -77.30]<br>dery Road. Several<br>y shingles to withs | stroyed.  0 0 0 hundred hardwoodand winds up to 16  | Tornado (EF1, L: 2.60 mi , W: 350 yd) Source: NWS Storm Survey  d and softwood trees were snapped or 00 mph suffered some dislodging of its   |
| MONTGOMERY COUNTY 0.7 S HYATTSTOWN [39.27, -77.32] 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)   | Many trees were snapped along Mussetter A second residence also experienced an up FREDERICK COUNTY 1.2 SSW IJAMSV Several trees were snapped or uprooted alcuprooted along Whiskey Road and Whiskey shingles. A clubhouse on the golf Course al  | olift of roofing. Several metal-sided by TILLE [39.35, -77.34], 1.4 W MONRO 07/31/09 13:08 EST 07/31/09 13:14 EST ong Ijamsville Road and Price Distill of Court. One home bearing specialty so lost many shingles from its roof.  IN [39.28, -77.32] 07/31/09 13:11 EST  | parms were also de<br>DVIA [39.37, -77.30]<br>dery Road. Several<br>y shingles to withs | stroyed.  1 0 0 hundred hardwoodand winds up to 16  | Tornado (EF1, L: 2.60 mi , W: 350 yd) Source: NWS Storm Survey d and softwood trees were snapped or 00 mph suffered some dislodging of its  Thunderstorm Wind (MG 52 kt)                  |
| 07/31/09 13:12 EST 0 Thunderstorm Wind (EG 52 kt)  | Many trees were snapped along Mussetter A second residence also experienced an up FREDERICK COUNTY 1.2 SSW IJAMSV Several trees were snapped or uprooted alouprooted along Whiskey Road and Whiskey shingles. A clubhouse on the golf Course along was also along the golf Course along was along the golf course along the  | olift of roofing. Several metal-sided by TILLE [39.35, -77.34], 1.4 W MONRO 07/31/09 13:08 EST 07/31/09 13:14 EST ong Ijamsville Road and Price Distill of Court. One home bearing specialty so lost many shingles from its roof.  IN [39.28, -77.32] 07/31/09 13:11 EST  | parms were also de<br>DVIA [39.37, -77.30]<br>dery Road. Several<br>y shingles to withs | stroyed.  1 0 0 hundred hardwoodand winds up to 16  | Tornado (EF1, L: 2.60 mi , W: 350 yd) Source: NWS Storm Survey d and softwood trees were snapped or 00 mph suffered some dislodging of its  Thunderstorm Wind (MG 52 kt)                  |
|  | Many trees were snapped along Mussetter A second residence also experienced an up FREDERICK COUNTY 1.2 SSW IJAMSV Several trees were snapped or uprooted alc uprooted along Whiskey Road and Whiskey shingles. A clubhouse on the golf Course al   | olift of roofing. Several metal-sided by TILLE [39.35, -77.34], 1.4 W MONRO 07/31/09 13:08 EST 07/31/09 13:14 EST ong Ijamsville Road and Price Distill of Court. One home bearing specialty so lost many shingles from its roof.  IN [39.28, -77.32] 07/31/09 13:11 EST 07/31/09 13:11 EST   | parms were also de DVIA [39.37, -77.30] lery Road. Several y shingles to withs          | stroyed.  1 0 0 hundred hardwoodand winds up to 16  | Tornado (EF1, L: 2.60 mi , W: 350 yd) Source: NWS Storm Survey d and softwood trees were snapped or 00 mph suffered some dislodging of its  Thunderstorm Wind (MG 52 kt)                  |
| 07/31/09 13:12 EST 0 Source: Amateur Radio   | Many trees were snapped along Mussetter A second residence also experienced an up FREDERICK COUNTY 1.2 SSW IJAMSV Several trees were snapped or uprooted alouprooted along Whiskey Road and Whiskey shingles. A clubhouse on the golf Course al MONTGOMERY COUNTY HYATTSTOW A wind gust of 52 knots was measured at In   | olift of roofing. Several metal-sided by TILLE [39.35, -77.34], 1.4 W MONRO 07/31/09 13:08 EST 07/31/09 13:14 EST ong Ijamsville Road and Price Distill of Court. One home bearing specialty so lost many shingles from its roof.  IN [39.28, -77.32] 07/31/09 13:11 EST 07/31/09 13:11 EST or/31/09 IST | parms were also de DVIA [39.37, -77.30] lery Road. Several y shingles to withs          | stroyed.  1 0 0 hundred hardwood and winds up to 10 | Tornado (EF1, L: 2.60 mi , W: 350 yd) Source: NWS Storm Survey  d and softwood trees were snapped or 00 mph suffered some dislodging of its  Thunderstorm Wind (MG 52 kt) Source: Mesonet |

CARROLL COUNTY --- 0.9 SE MT AIRY [39.37, -77.14]

Page 10 of 15 Printed on: 11/15/2009

|   | Date/Time   | Deaths &<br>Injuries | Property &<br>Crop Dmg                      | Event Type and Details  |
|---|---|----------------------|---|---|
|   | 07/31/09 13:24 EST  |                      | 0   | Thunderstorm Wind (EG 60 kt)  |
|   | 07/31/09 13:24 EST  |                      | 0   | Source: Amateur Radio   |
| ine large hardwood trees were down near N   | Mount Airy.   |                      |   |   |
| CARROLL COUNTY 1.6 N WESTMINSTE   | R CLRVW AR [39.49, -77.02]<br>07/31/09 13:30 EST  |                      | 0   | Thunderstorm Wind (EG 56 kt)  |
|   | 07/31/09 13:30 EST  |                      | 0   | Source: Emergency Manager   |
| Frees and power lines were down at Salem F  |   |                      |   | 3. 3. 3.  |
|   |   |                      |   |   |
| HOWARD COUNTY 0.7 NNE GLENWOOL  | <b>D [39.29, -77.03]</b><br>07/31/09 13:31 EST  |                      | 0   | Thunderstorm Wind (EG 52 kt)  |
|   | 07/31/09 13:31 EST  |                      | 0   | Source: Emergency Manager   |
| Multiple trees were down along Route 97 inc   | luding at the intersection of Cattail   | I Creek Drive.       |   |   |
|   |   |                      |   |   |
| CARROLL COUNTY 0.4 NNW GAMBER [   | [ <b>39.48, -76.95]</b><br>07/31/09 13:40 EST   |                      | 0   | Thunderstorm Wind (EG 60 kt)  |
|   | 07/31/09 13:40 EST  |                      | 0   | Source: Emergency Manager   |
| Trees and power lines were down on Klee M   |   |                      | Ŭ   | 552.55. Emergency manager   |
| ·   | •   |                      |   |   |
| CARROLL COUNTY 1.8 NNE GAMBER [   |   | JRG [39.49, -76.92]  |   | Tornada (EE0 1 : 0.02 m; 14/: 400 ::d)  |
|   | 07/31/09 13:40 EST<br>07/31/09 13:43 EST  |                      | 0   | Tornado (EF0, L: 0.92 mi , W: 100 yd)<br>Source: NWS Storm Survey   |
| suffered a significant loss of roof covering ma<br>of a corn field was blown over along Kays Mi   | aterial. Several pine trees were up<br>ill Road.  | rooted at several I  | •   | -   |
| suffered a significant loss of roof covering ma<br>of a corn field was blown over along Kays Mi   | aterial. Several pine trees were up<br>ill Road.  | rooted at several I  | •   | -   |
| suffered a significant loss of roof covering ma<br>of a corn field was blown over along Kays Mi   | aterial. Several pine trees were up<br>ill Road.<br>  | rooted at several I  | ocations along with                         | n numerous tree limbs broken. A portion   |
| suffered a significant loss of roof covering ma<br>of a corn field was blown over along Kays Mi<br>HOWARD COUNTY 0.3 SSW ALPHA [39.   | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33,<br>07/31/09 13:40 EST  | rooted at several I  | ocations along with                         | n numerous tree limbs broken. A portion  Thunderstorm Wind (EG 65 kt)   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mi HOWARD COUNTY 0.3 SSW ALPHA [39.  | aterial. Several pine trees were up<br>II Road.<br>33, -76.93], 1.3 E ALPHA [39.33,<br>07/31/09 13:40 EST<br>07/31/09 13:43 EST   | rooted at several I  | ocations along with                         | n numerous tree limbs broken. A portion  Thunderstorm Wind (EG 65 kt)   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mi HOWARD COUNTY 0.3 SSW ALPHA [39.  | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33,<br>07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST   | rooted at several I  | 0<br>0                                      | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt)   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mi HOWARD COUNTY 0.3 SSW ALPHA [39.  | aterial. Several pine trees were up<br>III Road.<br>33, -76.93], 1.3 E ALPHA [39.33,<br>07/31/09 13:40 EST<br>07/31/09 13:43 EST  | rooted at several I  | ocations along with  0 0                    | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey   |
| suffered a significant loss of roof covering ma<br>of a corn field was blown over along Kays Mi<br>HOWARD COUNTY 0.3 SSW ALPHA [39.<br>Numerous trees were down near Alpha.   | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33,<br>07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST   | rooted at several I  | 0<br>0                                      | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt)   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mi HOWARD COUNTY 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near  | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST  | -76.91]              | ocations along with  0 0 0                  | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mi HOWARD COUNTY 0.3 SSW ALPHA [39. Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near   | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST<br>Finksburg.<br>-76.93], 0.2 SSE ALPHA [39.33, -07/31/09 13:42 EST  | -76.91]              | ocations along with  0 0 0                  | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd)  |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mi  HOWARD COUNTY 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near   | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST  | -76.91]              | ocations along with  0 0 0                  | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mithoward County 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33,  | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST<br>Finksburg.<br>-76.93], 0.2 SSE ALPHA [39.33, -07/31/09 13:42 EST  | -76.91]              | ocations along with  0 0 0                  | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd)  |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mithoward County 0.3 SSW ALPHA [39. Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.   | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST<br>Finksburg.<br>-76.93], 0.2 SSE ALPHA [39.33, -07/31/09 13:42 EST<br>07/31/09 13:43 EST  | 76.91]               | ocations along with  0 0 0                  | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mithoward County 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.  | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33,<br>07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST<br>-76.93], 0.2 SSE ALPHA [39.33, -<br>07/31/09 13:42 EST<br>07/31/09 13:43 EST   | 76.91]               | 0<br>0<br>0<br>0<br>0                       | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mithoward County 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.  | aterial. Several pine trees were up<br>ill Road.<br>33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST<br>07/31/09 13:43 EST<br>[39.51, -76.89]<br>07/31/09 13:41 EST<br>07/31/09 13:41 EST<br>Finksburg.<br>-76.93], 0.2 SSE ALPHA [39.33, -07/31/09 13:42 EST<br>07/31/09 13:43 EST  | 76.91]               | ocations along with  0 0 0                  | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Mithoward County 0.3 SSW ALPHA [39.4]  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.  BALTIMORE CITY (C) COUNTY 1.5 SSW   | aterial. Several pine trees were up all Road.  33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST 07/31/09 13:43 EST  [39.51, -76.89] 07/31/09 13:41 EST 07/31/09 13:41 EST 07/31/09 13:42 EST 07/31/09 13:43 EST  LEAHIGH [39.35, -76.71], 1.5 SSE 07/31/09 13:58 EST 07/31/09 14:10 EST  | 76.91]               | 0<br>0<br>0<br>0<br>0                       | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey   |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Michoward County 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.  BALTIMORE CITY (C) COUNTY 1.5 SSW   | aterial. Several pine trees were up all Road.  33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST 07/31/09 13:43 EST  [39.51, -76.89] 07/31/09 13:41 EST 07/31/09 13:41 EST 07/31/09 13:42 EST 07/31/09 13:42 EST 07/31/09 13:43 EST  LEAHIGH [39.35, -76.71], 1.5 SSE 07/31/09 13:58 EST 07/31/09 14:10 EST ern portion of Baltimore.                                   | 76.91]               | 0<br>0<br>0<br>0<br>0                       | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter |
| A large tree limb was down just west of Deer suffered a significant loss of roof covering may of a corn field was blown over along Kays Mithoward County 0.3 SSW ALPHA [39.0]  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.  BALTIMORE CITY (C) COUNTY 1.5 SSW  Numerous trees were down across the north HARFORD COUNTY 0.6 NW SWAN CREE | aterial. Several pine trees were up all Road.  33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST 07/31/09 13:43 EST  [39.51, -76.89] 07/31/09 13:41 EST 07/31/09 13:41 EST  -76.93], 0.2 SSE ALPHA [39.33, 07/31/09 13:42 EST 07/31/09 13:43 EST  LEAHIGH [39.35, -76.71], 1.5 SSE 07/31/09 14:10 EST  ern portion of Baltimore.  EK [39.53, -76.14] 07/31/09 14:05 EST | 76.91]               | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0        | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter |
| suffered a significant loss of roof covering may of a corn field was blown over along Kays Michoward County 0.3 SSW ALPHA [39.  Numerous trees were down near Alpha.  CARROLL COUNTY 0.9 SW LAWNDALE  Damage was reported to mobile homes near HOWARD COUNTY 0.3 S ALPHA [39.33, Numerous trees were down.  BALTIMORE CITY (C) COUNTY 1.5 SSW   | aterial. Several pine trees were up all Road.  33, -76.93], 1.3 E ALPHA [39.33, 07/31/09 13:40 EST 07/31/09 13:43 EST  [39.51, -76.89] 07/31/09 13:41 EST 07/31/09 13:41 EST 07/31/09 13:42 EST 07/31/09 13:42 EST 07/31/09 13:43 EST  LEAHIGH [39.35, -76.71], 1.5 SSE 07/31/09 13:58 EST 07/31/09 14:10 EST ern portion of Baltimore.                                   | 76.91]               | 0<br>0<br>0<br>0<br>0<br>0<br>9.35, -76.53] | Thunderstorm Wind (EG 65 kt) Source: NWS Storm Survey  Thunderstorm Wind (EG 60 kt) Source: Public  Tornado (EF1, L: 0.10 mi , W: 50 yd) Source: NWS Storm Survey  Thunderstorm Wind (EG 50 kt) Source: Trained Spotter |

Page 11 of 15 Printed on: 11/15/2009

| Location   | Date/Time  | Deaths &<br>Injuries   | Property &<br>Crop Dmg  | Event Type and Details   |
|--|--|--|---|--|
|  | 07/31/09 14:08 EST   |  | 0   | Thunderstorm Wind (EG 55 kt)   |
|  | 07/31/09 14:08 EST   |  | 0   | Source: Mariner  |
| Boats were damaged due thunderstorm wir  | nds.   |  |   |  |
| ANNE ARUNDEL COUNTY 0.5 E SEVER  | RNA PARK [39.07, -76.54]<br>07/31/09 14:20 EST   |  | 0   | Thunderstorm Wind (EG 50 kt)   |
|  | 07/31/09 14:20 EST   |  | 0   | Source: Trained Spotter  |
|  |  |  | · ·   | Course. Hamed Spotter  |
| A tree top fell into the driveway and large b  | ranches were down along Cypress  | Creek.   |   |  |
| ANNE ARUNDEL COUNTY 0.9 NNE AR   | • •  |  | _   |  |
|  | 07/31/09 14:29 EST   |  | 0   | Thunderstorm Wind (EG 55 kt)   |
|  | 07/31/09 14:29 EST   |  | 0   | Source: Trained Spotter  |
| Trees were down in Arnold due to thunders  | torm winds.  |  |   |  |
| HARFORD COUNTY 1.1 E ABERDEEN  |  |  |   | TI 1 ( ) W 1 (50 50 II)  |
|  | 07/31/09 14:33 EST   |  | 0   | Thunderstorm Wind (EG 50 kt)   |
|  | 07/31/09 14:33 EST   |  | 0   | Source: Emergency Manager  |
| A cold front and its associated trough of  |  |  |   |  |
|  |  |  |   |  |
|  | WWW 200 70 071   |  |   |  |
|  | WN [39.23, -78.07]<br>07/01/09 16:24 EST   |  | 0   | Thunderstorm Wind (EG 50 kt)   |
|  | = -  |  | 0   | Thunderstorm Wind (EG 50 kt) Source: Public  |
| FREDERICK COUNTY 1.4 S BRUCETO   | 07/01/09 16:24 EST   |  |   |  |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front  | 07/01/09 16:24 EST<br>07/01/09 16:24 EST<br>nia on the first. Ahead of the front,<br>to trigger showers and thundersto   | -  | 0<br>re lead to unstable  | Source: Public  conditions. The instability  |
| VIRGINIA, North  FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.   | 07/01/09 16:24 EST 07/01/09 16:24 EST  aia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86]  | -  | 0<br>e lead to unstable<br>nough instability a                            | Source: Public  conditions. The instability ahead of the front for an  |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  | 07/01/09 16:24 EST<br>07/01/09 16:24 EST<br>nia on the first. Ahead of the front,<br>to trigger showers and thundersto<br>.72, -78.86]<br>07/12/09 14:09 EST   | -  | 0<br>e lead to unstable<br>nough instability a                            | Source: Public  conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt)  |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  | 07/01/09 16:24 EST 07/01/09 16:24 EST  aia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86]  | -  | 0<br>e lead to unstable<br>nough instability a                            | Source: Public  conditions. The instability ahead of the front for an  |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  | 07/01/09 16:24 EST 07/01/09 16:24 EST  nia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST  | orms. There was e  | 0<br>e lead to unstable<br>nough instability a                            | Source: Public  conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt)  |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia   | 07/01/09 16:24 EST 07/01/09 16:24 EST  sia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped nea  | orms. There was e  | 0<br>re lead to unstable<br>nough instability a<br>0<br>0                 | Source: Public  conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public   |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia and thunderstorms. An isolated thunders   | 07/01/09 16:24 EST 07/01/09 16:24 EST  aia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped neal on the 12th. This combined with retorm did become severe across ce  [ [38.08, -77.57]                                       | orms. There was e  | 0 re lead to unstable nough instability a 0 0 0 to of instability to tr   | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public   |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia and thunderstorms. An isolated thunders   | 07/01/09 16:24 EST 07/01/09 16:24 EST  nia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped near on the 12th. This combined with more torm did become severe across co  E [38.08, -77.57] 07/16/09 17:09 EST                 | orms. There was e  | 0 e lead to unstable nough instability a 0 0 0 order of instability to tr | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public  igger scattered showers  Thunderstorm Wind (EG 50 kt)                |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia and thunderstorms. An isolated thunders   | 07/01/09 16:24 EST 07/01/09 16:24 EST  aia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped neal on the 12th. This combined with retorm did become severe across ce  [ [38.08, -77.57]                                       | orms. There was e  | 0 re lead to unstable nough instability a 0 0 0 to of instability to tr   | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public   |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia and thunderstorms. An isolated thunders  SPOTSYLVANIA COUNTY 0.5 E MARYS  | 07/01/09 16:24 EST 07/01/09 16:24 EST  nia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped near on the 12th. This combined with more torm did become severe across co  E [38.08, -77.57] 07/16/09 17:09 EST                 | orms. There was e  | 0 e lead to unstable nough instability a 0 0 0 order of instability to tr | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public  igger scattered showers  Thunderstorm Wind (EG 50 kt)                |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia and thunderstorms. An isolated thunders  SPOTSYLVANIA COUNTY 0.5 E MARYI  Large tree limbs were down near Marye.  An upper-level low over the Great Lakes in  | 07/01/09 16:24 EST 07/01/09 16:24 EST  atia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST slarge branches were snapped neal on the 12th. This combined with retorm did become severe across co  E [38.08, -77.57] 07/16/09 17:09 EST 07/16/09 17:09 EST | orms. There was e<br>ar Shipman.<br>moderate amounts<br>entral Virginia. | e lead to unstable nough instability a  0 0 0 0                           | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public  igger scattered showers  Thunderstorm Wind (EG 50 kt) Source: Public |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  | 07/01/09 16:24 EST 07/01/09 16:24 EST  alia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped nea on the 12th. This combined with retorm did become severe across c  E [38.08, -77.57] 07/16/09 17:09 EST 07/16/09 17:09 EST  | orms. There was e<br>ar Shipman.<br>moderate amounts<br>entral Virginia. | e lead to unstable nough instability a  0 0 0 0                           | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public  igger scattered showers  Thunderstorm Wind (EG 50 kt) Source: Public |
| FREDERICK COUNTY 1.4 S BRUCETON  Trees were down near Stephenson.  A potent cold front passed through Virgin combined with the forcing from the front isolated thunderstorm to become severe.  NELSON COUNTY 0.6 W SHIPMAN [37.  Several trees were uprooted and numerous A weak boundary remained over Virginia and thunderstorms. An isolated thunders  SPOTSYLVANIA COUNTY 0.5 E MARY!  Large tree limbs were down near Marye.  An upper-level low over the Great Lakes pedeveloped, and an isolated thunderstorm | 07/01/09 16:24 EST 07/01/09 16:24 EST  alia on the first. Ahead of the front, to trigger showers and thundersto  72, -78.86] 07/12/09 14:09 EST 07/12/09 14:09 EST s large branches were snapped nea on the 12th. This combined with retorm did become severe across c  E [38.08, -77.57] 07/16/09 17:09 EST 07/16/09 17:09 EST  | orms. There was e<br>ar Shipman.<br>moderate amounts<br>entral Virginia. | e lead to unstable nough instability a  0 0 0 0                           | conditions. The instability ahead of the front for an  Thunderstorm Wind (EG 55 kt) Source: Public  igger scattered showers  Thunderstorm Wind (EG 50 kt) Source: Public |

Page 12 of 15 Printed on: 11/15/2009

| Location   | Date/Time  | Deaths &<br>Injuries | Property & Crop Dmg | Event Type and Details                  |  |  |
|--|--|----------------------|---------------------|---|--|--|
| An upper-level low over the Great Lakes provided and unstable atmosphere due to cold air aloft. Scattered showers and thunderstorms developed, and an isolated thunderstorm did become severe across central Virginia. |  |                      |                     |   |  |  |
| SHENANDOAH COUNTY 1.6 NE NE  | W MARKET [38.67, -78.65]<br>07/25/09 15:50 EST             |                      | 0                   | Thunderstorm Wind (EG 61 kt)            |  |  |
|  | 07/25/09 15:50 EST   |                      | 0                   | Source: NWS Storm Survey                |  |  |
| A roof was blown off a building and sev 70 mph.  | reral mature trees were down. Storm su                     | rvey determined th   | at damage was a r   | result of a microburst with winds up to |  |  |
| CULPEPER COUNTY 2.2 E WHITE  | SHOP [38.44, -78.03], 2.3 SSE CULPER<br>07/25/09 18:04 EST | PER [38.45, -77.99]  | 0                   | Thunderstorm Wind (EG 50 kt)            |  |  |
|  | 07/25/09 18:09 EST   |                      | 0                   | Source: Department of Highways          |  |  |
| Trees were down along with a highway   | sign near Route 15 and Route 29.                           |                      |                     |   |  |  |
| Scattered showers and thunderstorm thunderstorms to become severe.   | s developed ahead of a cold front. Th                      | ere was enough in    | stability during th | e afternoon for a couple                |  |  |
| FREDERICK COUNTY 1.5 NW BAR  |  |                      |                     |   |  |  |
|  | 07/26/09 14:37 EST<br>07/26/09 14:37 EST                   |                      | 0                   | Hail (1.00 in) Source: Trained Spotter  |  |  |
| Nickel to quarter size hail was reported   |  |                      | O .                 | Course. Trained opolici                 |  |  |
|  |  |                      |                     |   |  |  |
| FREDERICK COUNTY 1.5 NW BAR  | TONVILLE [39.13, -78.24]<br>07/26/09 14:37 EST             |                      | 0                   | Thunderstorm Wind (EG 50 kt)            |  |  |
|  | 07/26/09 14:37 EST   |                      | 0                   | Source: Trained Spotter                 |  |  |
| An tree eighteen inches in diameter wa   | s down on Brookneil Drive.                                 |                      |                     |   |  |  |
| FREDERICK COUNTY 1.3 NNW WIN   |  |                      |                     |   |  |  |
|  | 07/26/09 14:41 EST<br>07/26/09 14:41 EST                   |                      | 0                   | Hail (0.75 in) Source: Amateur Radio    |  |  |
| Penny size hail was reported on Route  |  |                      | U                   | Source. Amaleur Naulo                   |  |  |
|  |  |                      |                     |   |  |  |
| CLARKE COUNTY 4.2 S WADESVII   | LLE [39.19, -78.03]<br>07/26/09 14:53 EST                  |                      | 0                   | Hail (0.75 in)                          |  |  |
|  | 07/26/09 14:53 EST   |                      | 0                   | Source: Amateur Radio                   |  |  |
| Penny size hail was reported about three   | ee miles west of Stringtown.                               |                      |                     |   |  |  |
| FREDERICK COUNTY 3.8 E BURNI   | NG KNOLLS [39 17 .78 06]                                   |                      |                     |   |  |  |
|  | 07/26/09 14:53 EST   |                      | 0                   | Hail (0.75 in)                          |  |  |
|  | 07/26/09 14:53 EST   |                      | 0                   | Source: Amateur Radio                   |  |  |
| Penny size hail was reported about six   | miles east of Winchester.                                  |                      |                     |   |  |  |
| LOUDOUN COUNTY 2.8 WSW HILL  | SBORO [39.19, -77.77]                                      |                      |                     |   |  |  |
|  | 07/26/09 15:23 EST   |                      | 0                   | Thunderstorm Wind (EG 50 kt)            |  |  |
|  | 07/26/09 15:23 EST   |                      | 0                   | Source: Trained Spotter                 |  |  |
| A tree along with large branches were  | down near Hillsboro.                                       |                      |                     |   |  |  |
| LOUDOUN COUNTY 2.1 NNW WHE   | ATLAND [39.21, -77.68]                                     |                      |                     |   |  |  |
|  | 07/26/09 15:30 EST   |                      | 0                   | Hail (0.75 in)                          |  |  |
|  | 07/26/09 15:30 EST   |                      | 0                   | Source: Trained Spotter                 |  |  |
| Penny size hail was reported near Hills  | boro.  |                      |                     |   |  |  |
| LOUDOUN COUNTY O 4 0 DDITAIN   |  |                      |                     |   |  |  |

LOUDOUN COUNTY --- 2.1 S BRITAIN [39.22, -77.68]

Page 13 of 15 Printed on: 11/15/2009

| Location  | Date/Time   | Deaths &<br>Injuries | Property &<br>Crop Dmg                              | Event Type and Details   |
|---|---|----------------------|---|--|
|   | 07/26/09 15:32 EST  |                      | 0   | Hail (0.88 in)   |
|   | 07/26/09 15:32 EST  |                      | 0   | Source: Trained Spotter  |
| lickel size hail was reported near Hillsboro.   |   |                      |   |  |
| OUDOUN COUNTY 2.6 NE WHEATLAND  | [39.21, -77.64]   |                      |   |  |
|   | 07/26/09 15:37 EST  |                      | 0   | Hail (1.00 in)   |
|   | 07/26/09 15:37 EST  |                      | 0   | Source: Amateur Radio  |
| Quarter size hail was reported near Waterford.  |   |                      |   |  |
| OUDOUN COUNTY 0.5 W LOVETTSVILLE  | E [39.27, -77.64]   |                      |   |  |
|   | 07/26/09 15:47 EST  |                      | 0   | Hail (0.75 in)   |
|   | 07/26/09 15:47 EST  |                      | 0   | Source: Amateur Radio  |
| Penny size hail was reported in Lovettsville.   |   |                      |   |  |
| OUDOUN COUNTY 1.1 W LUCKETTS [39  | .22, -77.55]  |                      |   |  |
|   | 07/26/09 15:47 EST  |                      | 0   | Hail (1.00 in)   |
|   | 07/26/09 15:47 EST  |                      | 0   | Source: Amateur Radio  |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Sh   | nowers and thunderstorms pop  |                      |   |  |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Stetrong enough for some thunderstorms to be   | nowers and thunderstorms popecome severe.   |                      |   |  |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Sterong enough for some thunderstorms to be  | nowers and thunderstorms popecome severe.   |                      |   |  |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Stetrong enough for some thunderstorms to be   | nowers and thunderstorms popecome severe. 38.86, -77.71]  |                      | h over Virginia. Th                                 | ne winds aloft were  |
| Penny size hail was reported near Lucketts.  An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Strong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [3]  | 38.86, -77.71]<br>07/27/09 20:30 EST<br>07/27/09 20:30 EST  |                      | <b>h over Virginia. Th</b><br>0                     | Thunderstorm Wind (EG 50 kt)   |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Statrong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [Several trees are down at Highway 50 and Build A cold front passed through Virginia on the Several trees.  | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST nker Hill Road.   | ped up on the 26t    | <b>h over Virginia. Th</b><br>0<br>0                | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager   |
| An upper-level low over the Great lakes provaleft to allow for an unstable atmosphere. Statrong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [Several trees are down at Highway 50 and Buran A cold front passed through Virginia on the senaed of the front for an isolated thundersto  | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered showers to become severe.   | ped up on the 26t    | h over Virginia. Th<br>0<br>0<br>orms. There was ju | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability   |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Statrong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [Several trees are down at Highway 50 and Buran A cold front passed through Virginia on the sahead of the front for an isolated thundersto  | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered showurm to become severe.  AY [38.12, -77.92] 07/29/09 15:45 EST  | ped up on the 26t    | h over Virginia. Th  0  0  orms. There was ju       | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability  Thunderstorm Wind (EG 52 kt)   |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Statrong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [Several trees are down at Highway 50 and Bur A cold front passed through Virginia on the sahead of the front for an isolated thunderstoes SPOTSYLVANIA COUNTY 2.7 W HOLLADA  | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered showers to become severe.  AY [38.12, -77.92] 07/29/09 15:45 EST 07/29/09 15:45 EST   | ped up on the 26t    | h over Virginia. Th<br>0<br>0<br>orms. There was ju | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability   |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Statrong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [Several trees are down at Highway 50 and Bur A cold front passed through Virginia on the sahead of the front for an isolated thunderstoes SPOTSYLVANIA COUNTY 2.7 W HOLLADA  | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered showers to become severe.  AY [38.12, -77.92] 07/29/09 15:45 EST 07/29/09 15:45 EST   | ped up on the 26t    | h over Virginia. Th  0  0  orms. There was ju       | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability  Thunderstorm Wind (EG 52 kt)   |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. Statrong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [Several trees are down at Highway 50 and Buran A cold front passed through Virginia on the sahead of the front for an isolated thundersto  | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered show rem to become severe.  AY [38.12, -77.92] 07/29/09 15:45 EST 07/29/09 15:45 EST olladay.  DNT [38.17, -77.84]                    | ped up on the 26t    | h over Virginia. Th  0 0 0 orms. There was ju  0 0  | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter                               |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. She strong enough for some thunderstorms to be EAUQUIER COUNTY 0.9 SE HOPEWELL [3]  Several trees are down at Highway 50 and Build a cold front passed through Virginia on the 3 shead of the front for an isolated thunderstorm SPOTSYLVANIA COUNTY 2.7 W HOLLAD A wind gust of 52 knots was measured near Highway 50 and Build A cold front for an isolated thunderstorm of the front for an isolated thund    | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered showers to become severe.  AY [38.12, -77.92] 07/29/09 15:45 EST 07/29/09 15:45 EST  Olladay.  DNT [38.17, -77.84] 07/29/09 15:55 EST | ped up on the 26t    | h over Virginia. Th  0 0 0  orms. There was ju  0 0 | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter  Thunderstorm Wind (EG 50 kt) |
| An upper-level low over the Great lakes provaloft to allow for an unstable atmosphere. She strong enough for some thunderstorms to be FAUQUIER COUNTY 0.9 SE HOPEWELL [3]  Several trees are down at Highway 50 and Building and Faugust of the front for an isolated thunderstorm of | nowers and thunderstorms popecome severe.  38.86, -77.71] 07/27/09 20:30 EST 07/27/09 20:30 EST  nker Hill Road.  27th triggering scattered show rem to become severe.  AY [38.12, -77.92] 07/29/09 15:45 EST 07/29/09 15:45 EST olladay.  DNT [38.17, -77.84]                    | ped up on the 26t    | h over Virginia. Th  0 0 0 orms. There was ju  0 0  | Thunderstorm Wind (EG 50 kt) Source: Emergency Manager  ust enough instability  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter                               |

#### WEST VIRGINIA, East

| BERKELEY COUNTY 2.8 WNW MARLOWE [39.59, -77.92] |   |                         |  |  |  |
|---|---|-------------------------|--|--|--|
| 07/11/09 14:05 EST                              | 0 | Hail (1.00 in)          |  |  |  |
| 07/11/09 14:05 EST                              | 0 | Source: Trained Spotter |  |  |  |

Quarter size hail was reported near Falling Waters.

A cold front approached West Virginia on the 11th. Ahead of the front there was enough instability for showers and thunderstorms to develop. An isolated thunderstorm did become severe, producing large hail.

Page 14 of 15 Printed on: 11/15/2009

| Location                                     | Date/Time           | Deaths & Injuries | Property &<br>Crop Dmg | Event Type and Details       |
|--|---------------------|-------------------|------------------------|------------------------------|
| PENDLETON COUNTY 0.9 NW HARPER M             | ILL [38.74, -79.44] |                   |                        |                              |
|  | 07/21/09 14:32 EST  |                   | 0                      | Hail (0.75 in)               |
|  | 07/21/09 14:34 EST  |                   | 0                      | Source: Trained Spotter      |
| Penny size hail was reported in Riverton.    |                     |                   |                        |                              |
| PENDLETON COUNTY 3.2 NNW FRANKLIN            | N [38.69, -79.36]   |                   |                        |                              |
|  | 07/21/09 15:04 EST  |                   | 0                      | Hail (0.88 in)               |
|  | 07/21/09 15:09 EST  |                   | 0                      | Source: Trained Spotter      |
| Nickel size hail was reported near Franklin. |                     |                   |                        |                              |
| PENDLETON COUNTY 1.3 WSW FRANKLII            | N [38.64, -79.35]   |                   |                        |                              |
|  | 07/21/09 15:13 EST  |                   | 0                      | Hail (0.75 in)               |
|  | 07/21/09 15:13 EST  |                   | 0                      | Source: Trained Spotter      |
| Penny size hail was reported near Franklin.  |                     |                   |                        |                              |
| PENDLETON COUNTY 1.3 WSW FRANKLII            | N [38.64, -79.35]   |                   |                        |                              |
|  | 07/21/09 15:13 EST  |                   | 0                      | Thunderstorm Wind (MG 60 kt) |
|  | 07/21/09 15:13 EST  |                   | 0                      | Source: Trained Spotter      |
| A wind gust of 60 knots was measured near Fr | anklin.             |                   |                        |                              |
| HARDY COUNTY OLDFIELDS [39.13, -78.9         | 5]                  |                   |                        |                              |
|  | 07/21/09 15:32 EST  |                   | 0                      | Hail (0.75 in)               |
|  | 07/21/09 15:32 EST  |                   | 0                      | Source: Public               |
|  |                     |                   |                        |                              |

Penny size hail was reported near Old Fields.

A surface boundary remained over West Virginia while a south-southeast flow aloft pumped in plenty of moisture from the Gulf of Mexico and the Atlantic Ocean. The moisture lead to unstable conditions and the surface boundary combined with the instability to trigger showers and thunderstorms. Some thunderstorms were severe, causing damaging winds and large hail.

Page 15 of 15 Printed on: 11/15/2009