Date/Time Location Deaths & Property & **Event Type and Details** Injuries Crop Dmg ATLANTIC NORTH TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ENE BISHOPS HEAD [38.22, -76.04] 07/01/13 13:36 EST Marine Thunderstorm Wind (EG 34 kt) 07/01/13 13:36 EST 0 Source: Mesonet Wind gusts of 34 knots were measured at Bishops Head. The Mid Atlantic was between an upper level trough and ridge. Multiple upper level disturbances were moving through producing showers and thunderstorms. Low level shear and high dew points led to a tornado forming in Prince George's County. TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 NE POTOMAC BUOY [38.03, -76.34] 07/02/13 15:10 EST Marine Thunderstorm Wind (EG 45 kt) 0 07/02/13 15:30 EST Source: Buoy Wind gusts of 45 knots were measured at Potomac Lookout Buoy. TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SE CRISFIELD [37.97, -75.88] 07/02/13 16:03 EST 0 Marine Thunderstorm Wind (EG 38 kt) 07/02/13 16:08 EST 0 Source: Mesonet Wind gusts of 38 knots were measured at Crisfield. TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 1.5 ENE CRISFIELD [37.98, -75.86] 07/02/13 16:08 EST 0 Marine Thunderstorm Wind (EG 38 kt) 07/02/13 16:08 EST 0 Source: Mesonet Wind gusts of 38 knots were measured at Crisfield. A Bermuda high was anchored off the Atlantic Coast while an upper level low was overhead. This led to moist and warm conditions and showers and thunderstorms moved across the waters. CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/07/13 17:40 FST Marine Thunderstorm Wind (EG 34 kt) 07/07/13 17:40 EST 0 Source: Mesonet Wind gusts of 31 knots were estimated at Hartmiller Island. CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW PATAPSCO BUOY [39.15, -76.39] 07/07/13 17:50 EST Marine Thunderstorm Wind (EG 34 kt) 07/07/13 17:50 EST 0 Source: Buoy Wind gusts of 31 knots were estimated at Patapsco Buoy. CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 4.3 SW SANDY POINT [38.97, -76.46] 07/07/13 17:58 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/07/13 17:58 FST 0 Source: Mesonet Wind gusts of 32 knots were estimated at Tolchester Beach. An upper level disturbance moved over the Mid Atlantic. Hot and humid conditions persisted across the Mid Atlantic. Marginal instability helped produce strong winds. CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 5.3 SE SUSQUEHANNA [39.50, -75.99] 07/08/13 14:38 EST 0 Marine Thunderstorm Wind (EG 35 kt) 07/08/13 14:38 EST 0 Source: Mesonet Wind gusts of 35 knots were measured at North Bay NE. CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 7.2 SSE PHILLIPS ARMY AIRFIELD [39.38, -76.11] 07/08/13 14:38 EST n Marine Thunderstorm Wind (EG 35 kt) 07/08/13 14:38 EST 0 Source: Buoy

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Date/Time Location Deaths & Property & **Event Type and Details** Injuries Crop Dmg Wind gusts of 35 knots were measured at North Bay. An upper level disturbance moved over the Mid Atlantic. Hot and humid conditions persisted across the Mid Atlantic. Marginal instability helped produce strong winds. TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SE CRISFIELD [37.97, -75.88] 07/09/13 18:38 EST Marine Thunderstorm Wind (EG 36 kt) 0 07/09/13 18:48 EST Source: Mesonet Wind gusts of 36 knots were measured at Crisfield. Westerly flow aloft led to another upper level disturbance to move across the Mid Atlantic. Hot and humid conditions persisted and marginal instability helped produce strong winds over the waters. CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 0.4 E CHESAPEAKE BEACH [38.69, -76.53] 07/10/13 18:29 EST Marine Thunderstorm Wind (EG 40 kt) 0 07/10/13 18:29 EST Source: Mesonet Wind gusts of 40 knots were measured at Chesapeake Beach. CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.9 SE GREENBERRY POINT [38.96, -76.45] Marine Thunderstorm Wind (EG 39 kt) 07/10/13 18:30 EST 0 07/10/13 18:30 EST 0 Source: Buoy Wind gusts of 39 knots were measured at Annapolis Buoy. CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.3 NNW MID BAY BUOY [38.56, -76.41] 07/10/13 18:40 EST Marine Thunderstorm Wind (EG 41 kt) 07/10/13 18:40 EST 0 Source: Buoy Wind gusts of 41 knots were measured at Gooses Reef Buoy. TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.1 SE LYLES-CROUCH ACADEMY ALEXANDRIA [38,79, -77.04] 07/10/13 18:40 EST Marine Thunderstorm Wind (EG 34 kt) 0 07/10/13 18:40 EST Source: Buoy Wind gusts of 33 knots were measured at Upper Potomac Buoy. TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.5 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03] 07/10/13 18:43 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/10/13 18:43 EST 0 Source: ASOS Wind gusts of 33 knots were measured at Reagan National. TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.1 SE LYLES-CROUCH ACADEMY ALEXANDRIA [38.79, -77.04] 07/10/13 18:50 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/10/13 18:50 EST 0 Source: Buoy Wind gusts of 31 knots were measured at Upper Potomac Buoy. CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.2 SE THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 19:00 EST Marine Thunderstorm Wind (EG 45 kt) 0 07/10/13 19:00 EST 0 Source: Buoy Wind gusts of 45 knots were measured at Thomas Point Lighthouse. TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.5 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03] 07/10/13 19:00 EST Marine Thunderstorm Wind (EG 34 kt) 0 07/10/13 19:01 EST Source: ASOS

Wind gusts of 34 knots were measured at Reagan National.

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CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.7 S GREENBERRY POINT [8.98, -78.46] 0771013 19.02 EST 0 Source: Meaninet Wind guids of 30 knots were measured at Tidly Point.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.3 WEW KENT ISLAND [38.92, -76.36] 0771013 19.23 EST 0 Marine Thursdestorm Wind (EG 34 ki) 0771013 19.23 EST 0 Source: Meaninet CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.2 SE GREENBERRY POINT [88.97, -76.46] 0771013 19.23 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.23 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.33 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.33 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.33 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.33 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 41 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 41 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 47 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 47 ki) 0771013 19.30 EST 0 Marine Thursdestorm Wind (EG 37 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 37 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 37 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 37 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 38 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 38 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm Wind (EG 48 ki) 0771013 20.00 EST 0 Marine Thursdestorm	Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts of 39 knots were measured at Toly Point.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.2 WSW KENT ISLAND [38.92, 76.36] O7/10/13 19:238 EST 0 Marine Thunderstorm Wind (EG 34 kt) O7/10/13 19:238 EST 0 Source: Measured O7/10/13 19:238 EST 0 Source: Measured CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.2 SE GREENBERRY POINT [38.97, 76.46] O7/10/13 19:238 EST 0 Marine Thunderstorm Wind (EG 48 kt) O7/10/13 19:238 EST 0 Marine Thunderstorm Wind (EG 48 kt) O7/10/13 19:338 EST 0 Marine Thunderstorm Wind (EG 48 kt) O7/10/13 19:338 EST 0 Marine Thunderstorm Wind (EG 48 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 41 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 41 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 47 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:308 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:108 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:108 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7/10/13 20:108 EST 0 Marine Thunderstorm Wind (EG 38 kt)	CHESAPEAKE BAY SANDY PT TO N		BERRY POINT [38.		Marina Thunderstorm Wind (FC 20 let)
Wind guisted 93 knote were measured at Tolly Print.  CHESAPEAKE BAY SANDY PTTO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38-92, 76-36]  07/10/13 19:22 EST 07/10/13 19:23 EST 07/10/13 19:33 EST 07/10/13					
O771013 19:23 EST 0 Marine Thunderstorm Wind (EG 34 kt) O771013 19:23 EST 0 Source: Mesonet  Wind guists of 31 knots were estimated at Kent Island.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.2 SE GREENBERRY POINT [38.97, -76.46] O771013 19:28 EST 0 Source: Mesonet  Wind guists of 48 knots were measured at Greenbury Point.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.9 SE GREENBERRY POINT [38.96, -76.46] O771013 19:20 EST 0 Marine Thunderstorm Wind (EG 41 kt) O771013 19:20 EST 0 Source: Buoy  Wind guists of 41 knots were measured at Annapolis Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW PATAPSCO BUOY [39.15, -76.39] O771013 20:00 EST 0 Source: Buoy  Wind guists of 37 knots were measured at Patapaco Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW MILLER ISLAND [39.25, -76.37] O771013 20:00 EST 0 Source: Mesonet  Wind guists of 37 knots were measured at Harimiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW MILLER ISLAND [39.25, -76.37] O771013 20:20 EST 0 Source: Mesonet  Wind guists of 37 knots were measured at Harimiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW MILLER ISLAND [39.25, -76.37] O771013 20:20 EST 0 Source: Mesonet  Wind guists of 37 knots were measured at Harimiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 ENE BALTIMORE APPROACHES BUOY [39.21, -78.25] O771013 20:00 EST 0 Source: Mesonet  Wind guists of 38 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 1.7 ENE BALTIMORE APPROACHES BUOY [39.21, -78.25] O771013 20:00 EST 0 Source: Buoy  Wind guists of 46 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.5 E GUANTICO [38.90, -77.36] O771013 20:00 EST 0 Source: Buoy  Wind guists of 46 knots were measured at Thomas Point Lighthouse.  Learned High continued to usher tropleal molisture into the Mild Atlantic. A shortwave trough ahead of the main trough produced however and thunderstorms in the unsettled region.	Vind gusts of 39 knots were measured			ŭ	
O7/10/13 19:23 EST 0 Source: Mesonet  Wind guists of 31 knots were estimated at Kent Island.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.2 SE GREENBERRY POINT [38.97, -76.46] O7/10/13 19:28 EST 0 Source: Mesonet  Wind guists of 48 knots were measured at Greenbury Prent.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.9 SE GREENBERRY POINT [38.96, -76.45] O7/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG 41 kt) O7/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG 41 kt) O7/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG 41 kt) O7/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7/10/13 20:00 EST 0 Source: Buby  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW PATAPSCO BUDY [39.15, -76.39] O7/10/13 20:00 EST 0 Source: Buby  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] O7/10/13 20:02 EST 0 Source: Mesonet  Wind guists of 37 knots were measured at Patapsoo Buby.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] O7/10/13 20:02 EST 0 Source: Mesonet  Wind guists of 37 knots were measured at Hartmiller Island.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 RNB BALTIMORE APPROACHES BUDY [39.21, -76.25] O7/10/13 20:02 EST 0 Source: Mesonet  Wind guists of 36 knots were measured at Tolchester Beach.  HESAPEAKE BAY SANDY PT NO BEACH MD COUNTY 0.7 ENE BALTIMORE APPROACHES BUDY [39.21, -76.25] O7/10/13 20:00 EST 0 Source: Mesonet  Wind guists of 46 knots were measured at Tolchester Beach.  HESAPEAKE BAY SANDY PT NO BEACH MD COUNTY 0.5 E QUANTICO [38.90, -77.30] O7/10/13 20:00 EST 0 Source: Budy  Wind guists of 46 knots were measured at Thomas Point Lighthouse.  Bermudal High continued to usher tropleal molisture into the Mild Allantic. A shortwave trough ahead of the main trough produced hovever and thunderstorms in the unsattide region.  IDAL POTOMAC INDIAN HD TO OBB IS MD COUNTY 0.5 E QUANTICO [38.90, -77.30] O7/12/13 01:16 EST 0 Source: AVIOS	NICCADEAVE DAY CANDY DT TO N	DEACH MD COUNTY 0.2 WCW KEN	T ICL AND 120 02	70 201	
Wind gusts of 31 knots were estimated at Kent Island.  PRESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.2 SE GREENBERRY POINT [38.97, 78.46] O7710173 19:35 EST 0 Marine Thunderstorm Wind (EG 48 kt) O7710173 19:35 EST 0 Marine Thunderstorm Wind (EG 48 kt) O7710173 19:35 EST 0 Marine Thunderstorm Wind (EG 41 kt) O7710173 19:30 EST 0 SANDY PT TO N BEACH MD COUNTY — 0.9 SE GREENBERRY POINT [38.96, -76.45] O7710173 19:40 EST 0 SANDY [39.06] O7710173 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7710173 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7710173 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7710173 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7710173 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 38 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 46 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 46 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 46 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 34 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 34 kt) O7710173 20:20 EST 0 Marine Thunderstorm Wind (EG 34 kt) O7710173 20:30 EST 0 Marine Thunderstorm Wind (EG 35 kt) O7712173 01:16 EST 0 Marine Thunderstorm Wind (EG 35 kt) Wind gusts of 32 knots were measured at Quantico.  Wind gusts of 32 knots were measured at Quantico.  Wind gusts of 32 knots were measured at Quantico.	THE SAFEARE DAT SANDT FITON		1 ISLAND [30.92,	-	Marine Thunderstorm Wind (EG 34 kt)
HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.2 SE GREENBERRY POINT [38.97, -76.46]  07/10/13 19:28 EST 0 Source: Mesonet  Wind gusts of 48 knots were measured at Greenbury Point.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.9 SE GREENBERRY POINT [38.96, -76.45]  07/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG 41 kt)  07/10/13 19:40 EST 0 Source: Buroy  Wind gusts of 41 knots were measured at Annapolis Buoy.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW PATAPSCO BUOY [39.15, -76.39]  07/10/13 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt)  07/10/13 19:50 EST 0 Source: Buroy  Wind gusts of 37 knots were measured at Patapsco Buoy.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW MILLER ISLAND [39.26, -76.37]  07/10/13 20:02 EST 0 Marine Thunderstorm Wind (EG 37 kt)  07/10/13 20:02 EST 0 Source: Mesonet  Wind gusts of 37 knots were measured at Hartmiller Island.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -78.25]  07/10/13 20:02 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  Wind gusts of 36 knots were measured at Tolchester Beach.  07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt)  07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — THOMAS Point Light [38.90, -76.44]  07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.5 EQUANTICO [38.50, -77.30]  07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Countico.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.5 EQUANTICO [38.50, -77.30]  07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Countico.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.5 EQUANTICO [38.50, -77.30]  07/12/13 01:16 EST 0 Source: AWOS		07/10/13 19:23 EST		0	
O7/10/13 19:32 EST 0 Source: Mesonet  Wind gusts of 48 knots were measured at Greenbury Point.  PHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY — 0.9 SE GREENBERRY POINT [38:96, -76.45] O7/10/13 19:30 EST 0 Source: Burby  Wind gusts of 41 knots were measured at Annapolis Burby.  PHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW PATAPSCO BUOY [39.16, -76.39] O7/10/13 19:50 EST 0 Source: Burby  Wind gusts of 37 knots were measured at Palapsco Buby.  PHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW MILLER ISLAND [39.25, -76.37] O7/10/13 19:50 EST 0 Source: Burby  Wind gusts of 37 knots were measured at Palapsco Buby.  PHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW MILLER ISLAND [39.25, -76.37] O7/10/13 20:20 EST 0 Source: Mesonet  Wind gusts of 37 knots were measured at Hartmiller Island.  PHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.29] O7/10/13 20:00 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  Wind gusts of 36 knots were measured at Tolchester Beach  Wind gusts of 36 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 46 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 46 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 46 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 46 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 46 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 46 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 36 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 36 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 36 knots were measured at Tolchester Beach O7/10/13 20:00 EST 0 Source: Burby  Wind gusts of 36 knots were measured at To	Vind gusts of 31 knots were estimated	d at Kent Island.			
INTERPRETABLE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/10/13 19:30 EST 07/10/10/10/10/1	HESAPEAKE BAY SANDY PT TO N	BEACH MD COUNTY 0.2 SE GREEN	BERRY POINT [3	8.97, -76.46]	
Wind gusts of 48 knots were measured at Greenbury Point.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.9 SE GREENBERRY POINT [38.96, -76.45] 07/10/13 19:30 EST 0		07/10/13 19:28 EST	-	0	Marine Thunderstorm Wind (EG 48 kt)
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 SE GREENBERRY POINT [38.96, -76.45] 07/10/13 19:30 EST 0 Marine Thunderstorm Wind (EG.41 kt) 07/10/13 19:40 EST 0 Source: Buoy  Vind gusts of 41 knots were measured at Annapolis Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW PATAPSCO BUOY [39.15, -76.39] 07/10/13 19:50 EST 0 Source: Buoy  Vind gusts of 37 knots were measured at Patapsco Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/10/13 19:56 EST 0 Marine Thunderstorm Wind (EG.37 kt) 07/10/13 20:22 EST 0 Source: Mesonet  Vind gusts of 37 knots were measured at Hartmiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.29] 07/10/13 20:12 EST 0 Source: Mesonet  Vind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  Vind gusts of 46 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  Vind gusts of 46 knots were measured at Thomas Point Lighthouse.  Use Bermuda High continued to usher tropical moisture into the Mild Atlantic. A shortwave trough ahead of the main trough produced howers and thunderstorms in the unsettled region.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG.34 kt) 07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG.34 kt) 07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG.35 kt)		07/10/13 19:33 EST		0	Source: Mesonet
O71/01/3 19:30 EST 0 Source: Buoy  Vind gusts of 41 knots were measured at Annapolis Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW PATAPSCO BUOY [33:15, -76:39] O71/01/3 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) O71/01/3 20:00 EST 0 Source: Buoy  Vind gusts of 37 knots were measured at Patapsco Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39:26, -76:37] O71/01/3 19:56 EST 0 Marine Thunderstorm Wind (EG 37 kt) O71/01/3 20:22 EST 0 Source: Mesonet  Vind gusts of 37 knots were measured at Hartmiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.7 ENE BALTIMORE APPROACHES BUOY [39:21, -76:25] O71/01/3 20:02 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38:90, -76:44] O71/01/3 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) O71/01/3 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) O71/01/3 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced howers and thunderstorms in the unsettled region.  IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38:50, -77.30] O71/21/3 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38:50, -77.30] O71/21/3 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38:50, -76.36] O71/21/3 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)  Marine Thunderstorm Wind (EG 35 kt)	Vind gusts of 48 knots were measured	d at Greenbury Point.			
Vind gusts of 41 knots were measured at Annapolis Buoy.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW PATAPSCO BUOY [38-15, -76-39] 07/10/13 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) 07/10/13 20:00 EST 0 Source: Buoy  Vind gusts of 37 knots were measured at Patapsco Buoy.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39-25, -76-37] 07/10/13 19:56 EST 0 Source: Mesonet  Vind gusts of 37 knots were measured at Hartmiller Island.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39-25, -76-37] 07/10/13 20:22 EST 0 Source: Mesonet  Vind gusts of 37 knots were measured at Hartmiller Island.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39-21, -76-25] 07/10/13 20:00 EST 0 Source: Mesonet  Vind gusts of 36 knots were measured at Tolchester Beach.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76-44] 07/10/13 20:00 EST 0 Source: Buoy  Vind gusts of 46 knots were measured at Thomas Point Lighthouse.  Is Bermuda High continued to usher tropical moisture into the Mild Atlantic. A shortwave trough ahead of the main trough produced howers and thunderstorms in the unsettled region.  IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Vind gusts of 32 knots were measured at Quantico.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Vind gusts of 32 knots were measured at Quantico.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS	HESAPEAKE BAY SANDY PT TO N	BEACH MD COUNTY 0.9 SE GREEN	BERRY POINT [3	8.96, -76.45]	
Wind gusts of 41 knots were measured at Annapolis Buoy.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY — 0.2 NNW PATAPSCO BUOY [39.15, -76.39] 07/10/13 19:50 EST 0		07/10/13 19:30 EST	_	0	Marine Thunderstorm Wind (EG 41 kt)
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW PATAPSCO BUOY [39.15, -76.39] 07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 37 knots were measured at Patapsco Buoy.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/10/13 20:22 EST 0 Marine Thunderstorm Wind (EG 37 kt) 07/10/13 20:22 EST 0 Source: Mesonet  Wind gusts of 37 knots were measured at Hartmiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) 07/10/13 20:00 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mild Atlantic. A shortwave trough ahead of the main trough produced howers and thunderstorms in the unsettled region.  IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)		07/10/13 19:40 EST		0	Source: Buoy
O77/0/13 19:50 EST 0 Marine Thunderstorm Wind (EG 37 kt) 0710/13 20:00 EST 0 Source: Buoy  Wind gusts of 37 knots were measured at Patapsco Buoy.  ##ESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 0710/13 19:56 EST 0 Source: Mesonet  Wind gusts of 37 knots were measured at Hartmiller Island.  ##ESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 0710/13 20:12 EST 0 Marine Thunderstorm Wind (EG 36 kt) 0710/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) 0710/13 20:00 EST 0 Source: Mesonet  ##ESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 0710/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) 0710/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  ##ESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 0710/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  ##ESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  ##ESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.5 WIND KENT ISLAND [38.92, -76.36] 0 Marine Thunderstorm Wind (EG 36 kt)	Vind gusts of 41 knots were measured	d at Annapolis Buoy.			
Wind gusts of 37 knots were measured at Patapsco Buoy.  ##ESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/10/13 19:56 EST 07/10/13 20:22 EST 0 Marine Thunderstorm Wind (EG 37 kt) 07/10/13 20:22 EST 0 Source: Mesonet  ##ESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) 07/10/13 20:12 EST 0 Source: Mesonet  ##ESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIGHT [38.90, -76.44] 0 Source: Buoy  ##INDIAN OF THOMAS POINT LIG	HESAPEAKE BAY POOLES IS TO S	SANDY PT MD COUNTY 0.2 NNW PA	TAPSCO BUOY [3	9.15, -76.39]	
Wind gusts of 37 knots were measured at Patapsco Buoy.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/10/13 19:56 EST 0 Marine Thunderstorm Wind (EG 37 kt) 07/10/13 20:22 EST 0 Source: Mesonet  Wind gusts of 37 knots were measured at Hartmiller Island.  HESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) 07/10/13 20:00 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) 07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced howers and thunderstorms in the unsettled region.  IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  HESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)					
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 0.2 NNW MILLER ISLAND [39.25, -76.37] 07/10/13 19:56 EST 07/10/13 20:22 EST 0 Source: Mesonet  Wind gusts of 37 knots were measured at Hartmiller Island.  CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) 07/10/13 20:12 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) 07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough shead of the main trough produced howers and thunderstorms in the unsettled region.  IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)		07/10/13 20:00 EST		0	Source: Buoy
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]  07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) 07/10/13 20:12 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] 07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) 07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced thowers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)		07/10/13 19:56 EST 07/10/13 20:22 EST	LER ISLAND [39.	0	
O7/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 36 kt) O7/10/13 20:12 EST 0 Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] O7/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) O7/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] O7/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG 34 kt) O7/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] O7/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	Vind gusts of 37 knots were measured	d at Hartmiller Island.			
O7/10/13 20:12 EST O Source: Mesonet  Wind gusts of 36 knots were measured at Tolchester Beach.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44] O7/10/13 20:00 EST O Marine Thunderstorm Wind (EG 46 kt) O7/10/13 20:00 EST O Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced chowers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] O7/12/13 01:16 EST O Marine Thunderstorm Wind (EG 34 kt) O7/12/13 01:16 EST O Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] O7/12/13 03:28 EST O Marine Thunderstorm Wind (EG 35 kt)	CHESAPEAKE BAY POOLES IS TO S		TIMORE APPROA		· · · · · · · · · · · · · · · · · · ·
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY THOMAS POINT LIGHT [38.90, -76.44]  07/10/13 20:00 EST  0 Marine Thunderstorm Wind (EG 46 kt)  07/10/13 20:00 EST  0 Source: Buoy  Vind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.  IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30]  07/12/13 01:16 EST  0 Marine Thunderstorm Wind (EG 34 kt)  07/12/13 01:16 EST  0 Source: AWOS  Vind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36]  07/12/13 03:28 EST  0 Marine Thunderstorm Wind (EG 35 kt)					
07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) 07/10/13 20:00 EST 0 Source: Buoy  Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	Vind gusts of 36 knots were measured	d at Tolchester Beach.			
07/10/13 20:00 EST 0 Marine Thunderstorm Wind (EG 46 kt) 07/10/13 20:00 EST 0 Source: Buoy  Vind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30] 07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/12/13 01:16 EST 0 Source: AWOS  Vind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	CHESAPEAKE BAY SANDY PT TO N	BEACH MD COUNTY THOMAS POIN	NT LIGHT [38.90	76.44]	
Wind gusts of 46 knots were measured at Thomas Point Lighthouse.  A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30]  07/12/13 01:16 EST  0 Marine Thunderstorm Wind (EG 34 kt)  07/12/13 01:16 EST  0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36]  07/12/13 03:28 EST  0 Marine Thunderstorm Wind (EG 35 kt)			•	-	Marine Thunderstorm Wind (EG 46 kt)
A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.  TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30]  07/12/13 01:16 EST  0 Marine Thunderstorm Wind (EG 34 kt) 07/12/13 01:16 EST  0 Source: AWOS  Vind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST  0 Marine Thunderstorm Wind (EG 35 kt)		07/10/13 20:00 EST		0	Source: Buoy
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 0.5 E QUANTICO [38.50, -77.30]  07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	Vind gusts of 46 knots were measured	d at Thomas Point Lighthouse.			
07/12/13 01:16 EST 0 Marine Thunderstorm Wind (EG 34 kt) 07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36] 07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	_		A shortwave trou	gh ahead of the m	nain trough produced
07/12/13 01:16 EST 0 Source: AWOS  Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36]  07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	TIDAL POTOMAC INDIAN HD TO COE		[38.50, -77.30]		
Wind gusts of 32 knots were measured at Quantico.  CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36]  07/12/13 03:28 EST  0 Marine Thunderstorm Wind (EG 35 kt)					
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY 0.3 WSW KENT ISLAND [38.92, -76.36]  07/12/13 03:28 EST  0 Marine Thunderstorm Wind (EG 35 kt)	Nind gusts of 32 knots were measured			U	Source: AWUS
07/12/13 03:28 EST 0 Marine Thunderstorm Wind (EG 35 kt)	guoto of or moto moto motodiffet				
· · · · · ·	CHESAPEAKE BAY SANDY PT TO N		T ISLAND [38.92,	=	Marine Thunderstorm Wind (FG 35 kt)
11/1//1/10/10/10/10/10/10/10/10/10/10/10		07/12/13 03:26 EST		0	Source: Mesonet

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Wind gusts of 35 knots were measured at Kent Island.

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY N BEACH TO DRUM	PT MD COUNTY 6.3 NNW MID B 07/12/13 04:00 EST	AY BUOY [38.56,	<b>.76.41]</b>	Marine Thunderstorm Wind (EG 34 kt)
	07/12/13 04:00 EST		0	Source: Buoy
Vind gusts of 33 knots were measured at				,
CHESAPEAKE BAY SANDY PT TO N BE	ACH MD COUNTY THOMAS POIN	NT LIGHT [38.90, -	76.44]	
	07/12/13 04:00 EST	•	0	Marine Thunderstorm Wind (EG 40 kt)
	07/12/13 05:00 EST		0	Source: Mesonet
Vind gusts of 40 knots were measured at	Thomas Point Lighthouse.			
CHESAPEAKE BAY SANDY PT TO N BE		POINT [38.94, -76		M : 7   1   1   1   1   1   1   1   1   1
	07/12/13 04:02 EST		0	Marine Thunderstorm Wind (EG 37 kt)
	07/12/13 04:02 EST		0	Source: Mesonet
A frontal boundary moved northward and an upper level jet added to enhanced ess than 6 hours recorded near Washing	lift in the region. Heavy rain caused	d a lot of flash floo	oding with amoun	ts up to seven inches in
CHESAPEAKE BAY N OF POOLES IS ME	D COUNTY 5.4 SE SUSQUEHANN	IA [39.50, -75.99]		
	07/20/13 19:54 EST		0	Marine Thunderstorm Wind (EG 37 kt)
	07/20/13 19:54 EST		0	Source: Mesonet
Nind gusts of 37 knots were measured at	North Bay North East.			
CHESAPEAKE BAY N OF POOLES IS ME		MY AIRFIELD [39.		
	07/20/13 20:34 EST		0	Marine Thunderstorm Wind (EG 37 kt)
				Source: Mesonet
Nind gusts of 37 knots were measured at	07/20/13 20:34 EST North Bay.		0	
ligh pressure was located over much of which led to above normal temperatures	North Bay.  f the eastern United States for a cors and dew points in the mid 70s. Thi	=	light southerly flo	ow persisted all week
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching co	North Bay.  f the eastern United States for a core and dew points in the mid 70s. Thi old front.	s unstable atmos	light southerly flo	ow persisted all week
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching co	North Bay.  f the eastern United States for a core and dew points in the mid 70s. Thi old front.	s unstable atmos	light southerly flo	ow persisted all week
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching co	North Bay.  f the eastern United States for a cors and dew points in the mid 70s. Thiold front.  ACH MD COUNTY 0.9 SE GREEN	s unstable atmos	light southerly flo ohere led to thunc 3.96, -76.45]	ow persisted all week lerstorm development in
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching content of the same of	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This bid front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST	s unstable atmos	light southerly flo ohere led to thunc 3.96, -76.45]	ow persisted all week lerstorm development in Marine Thunderstorm Wind (EG 34 kt)
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching content of the afternoon and a approach of the afternoon ahead of a approaching content of the afternoon ahead of the afternoon ah	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.	s unstable atmos	light southerly flo ohere led to thunce 3.96, -76.45] 0 0	ow persisted all week lerstorm development in  Marine Thunderstorm Wind (EG 34 kt)  Source: Buoy
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching content of the afternoon and a approach of the afternoon ahead of the afternoon a	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST	s unstable atmos	light southerly flo ohere led to thunce 3.96, -76.45] 0 0	ow persisted all week lerstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt)
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching content of the afternoon ahead of the afterno	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST	s unstable atmos	light southerly flo ohere led to thunce 3.96, -76.45] 0 0	ow persisted all week lerstorm development in  Marine Thunderstorm Wind (EG 34 kt)  Source: Buoy
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching concentration of the afternoon ahead of the afternoon	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST	S unstable atmos	light southerly flo ohere led to thunce 3.96, -76.45] 0 0	ow persisted all week lerstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt)
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching concentration of the afternoon ahead of the afternoon	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST	S unstable atmos	light southerly floohere led to thunce  3.96, -76.45] 0 0 3.97, -76.46] 0 0	Dow persisted all week Iderstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching concentration of the afternoon ahead of the afternoon	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST	S unstable atmos	light southerly flothere led to thunce  3.96, -76.45] 0 0 3.97, -76.46] 0 0	Dow persisted all week Iderstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching concentrate of the afternoon ahead of a approaching concentration of the afternoon ahead of a a	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:59 EST 07/21/13 15:59 EST 07/21/13 15:59 EST 07/21/13 15:59 EST	S unstable atmos	light southerly floohere led to thunce  3.96, -76.45] 0 0 3.97, -76.46] 0 0	Dow persisted all week Iderstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
Wind gusts of 37 knots were measured at High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching comparison of the afternoon ahead of a proaching comparison of the afternoon a	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:59 EST Quantico.	S unstable atmos	light southerly floophere led to thunce   3.96, -76.45	Dow persisted all week Iderstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching concepts of the afte	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:59 EST	S unstable atmos	light southerly flothere led to thunce  3.96, -76.45] 0 0 3.97, -76.46] 0 0	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt) Source: AWOS
High pressure was located over much of which led to above normal temperatures the afternoon ahead of a approaching concepts of the afte	North Bay.  If the eastern United States for a core and dew points in the mid 70s. This old front.  ACH MD COUNTY 0.9 SE GREEN 07/21/13 15:50 EST 07/21/13 15:50 EST  Annapolis Buoy.  ACH MD COUNTY 0.2 SE GREEN 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:53 EST 07/21/13 15:59 EST Quantico.	S unstable atmos	light southerly floophere led to thunce   3.96, -76.45	Dow persisted all week Iderstorm development in  Marine Thunderstorm Wind (EG 34 kt) Source: Buoy  Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet  Marine Thunderstorm Wind (EG 34 kt)

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
FANGIER SOUND AND THE INLAND	D WATERS SURROUNDING BLOODSWO 07/21/13 19:03 EST	PRTH ISLAND COL	JNTY 0.4 SSW S	SMITH ISLAND [37.98, -76.04]  Marine Thunderstorm Wind (EG 34 kt)
	07/21/13 19:03 EST		0	Source: Mesonet
Nind gusts of 34 knots were measure	ed at Smith Island.			
TANGIER SOUND AND THE INLAND	WATERS SURROUNDING BLOODSWO	RTH ISLAND COL		
	07/21/13 19:33 EST 07/21/13 19:53 EST		0	Marine Thunderstorm Wind (EG 42 kt) Source: Mesonet
Nind gusts of 42 knots were measure			O .	Source. Mesoriet
TANGIER SOUND AND THE INLAND	O WATERS SURROUNDING BLOODSWO	ORTH ISLAND COL	JNTY 1.5 ENE C	CRISFIELD [37.98, -75.86]
	07/21/13 19:39 EST		0	Marine Thunderstorm Wind (EG 45 kt)
	07/21/13 20:04 EST		0	Source: Mesonet
Nind gusts of 45 knots were measure	ed at Crisfield.			
A weak cold front moved southward neavy rain and gusty winds were ob	d into the Mid Atlantic. A line of showers oserved.	and thunderstori	ms formed and mo	oved southward and
CHESAPEAKE BAY POOLES IS TO	SANDY PT MD COUNTY 6.7 ENE BAL	TIMORE APPROA	-	· · · · · · · · ·
	07/23/13 00:00 EST		0	Marine Thunderstorm Wind (EG 34 kt) Source: Mesonet
	07/23/13 00:00 EST		U	Source: Mesoner
A surface trough was over the area ainfall as they moved eastward tow	while an upper level disturbance moved wards the I-95 corridor and surrounding		ers and thundersto	orms produced heavy
A surface trough was over the area rainfall as they moved eastward town	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and I-95 corrid	waters.		
A surface trough was over the area rainfall as they moved eastward town	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and I-95 corrid	waters.	RLIA RESERVOIR	[38.92, -77.10], 2.6 W GEORGETOWN
DISTRICT OF COLUMBIA	while an upper level disturbance moved wards the I-95 corridor and surrounding variety to the I-95 corridor and	waters.	RLIA RESERVOIR	[38.92, -77.10], 2.6 W GEORGETOWN Flash Flood (due to Heavy Rain)
A surface trough was over the area rainfall as they moved eastward town DISTRICT OF COLUMBIA  DISTRICT OF COLUMBIA COUNTY - (38.91, -77.10], 2.6 W GEORGETOWN  Canal Road was closed due to floodin	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and I-95 corrid	waters. 2.6 SSE DALECAI	RLIA RESERVOIR 0 0	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
A surface trough was over the area rainfall as they moved eastward town DISTRICT OF COLUMBIA  DISTRICT OF COLUMBIA COUNTY - 38.91, -77.10], 2.6 W GEORGETOWN  Canal Road was closed due to floodin	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and I-95 corrid	waters. 2.6 SSE DALECAI	RLIA RESERVOIR 0 0	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
A surface trough was over the area rainfall as they moved eastward town DISTRICT OF COLUMBIA  DISTRICT OF COLUMBIA COUNTY - 38.91, -77.10], 2.6 W GEORGETOWN  Canal Road was closed due to floodin	while an upper level disturbance moved vards the I-95 corridor and surrounding vards with the I-95 corridor and surrounding vards with I-95 corridor and I-95 corr	waters. 2.6 SSE DALECAI	RLIA RESERVOIR  0 0 0	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
A surface trough was over the area rainfall as they moved eastward town provided eastward town provided eastward town provided eastward eastwa	while an upper level disturbance moved vards the I-95 corridor and surrounding vards to I-95 was also surrounded and surrounding vards to I-95 was also surroundi	waters. 2.6 SSE DALECAI	RLIA RESERVOIR  0 0 0 LN MEMORIAL [38	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain)  Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain)
A surface trough was over the area rainfall as they moved eastward town provided as they moved described as they moved northward provided northward provided as they moved northward provided northward northward provided northward north	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and stalled over the Mid-Atlantic/I-95 corridor	2.6 SSE DALECAI	RLIA RESERVOIR  0 0  LN MEMORIAL [38 0 0 0	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center
A surface trough was over the area rainfall as they moved eastward town a surface trough was over the area rainfall as they moved eastward town a surface of the surface of	while an upper level disturbance moved vards the I-95 corridor and surrounding vards (38.92, -77.10], N [38.91, -77.10]  07/12/13 03:00 EST  07/12/13 03:30 EST  07/12/13 05:30 EST  07/12/13 05:30 EST  07/12/13 05:30 EST  or 22nd and 24th due to flash flooding.  ord and stalled over the Mid-Atlantic/I-95 onced lift in the region. Heavy rain caused ashington Dulles Airport.	2.6 SSE DALECAI	RLIA RESERVOIR  0 0  LN MEMORIAL [38 0 0 0	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center
A surface trough was over the area rainfall as they moved eastward town and a street of the area rainfall as they moved eastward town and a upper level jet added to enhar east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east they moved north	while an upper level disturbance moved vards the I-95 corridor and surrounding vards (38.92, -77.10], N [38.91, -77.10]  07/12/13 03:00 EST  07/12/13 03:30 EST  07/12/13 05:30 EST  07/12/13 05:30 EST  07/12/13 05:30 EST  or 22nd and 24th due to flash flooding.  ord and stalled over the Mid-Atlantic/I-95 onced lift in the region. Heavy rain caused ashington Dulles Airport.	2.6 SSE DALECAI	RLIA RESERVOIR  0 0  LN MEMORIAL [38 0 0 0	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center
A surface trough was over the area rainfall as they moved eastward town and a street of the area rainfall as they moved eastward town and a upper level jet added to enhar east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand as they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east than 6 hours recorded near Wasteriand east they moved northware east they moved north	while an upper level disturbance moved vards the I-95 corridor and surrounding vards (38.92, -77.10], N [38.91, -77.10]  07/12/13 03:00 EST  07/12/13 03:30 EST  07/12/13 05:30 EST  07/12/13 05:30 EST  07/12/13 05:30 EST  ord and stalled over the Mid-Atlantic/I-95 of the correct of the corre	2.6 SSE DALECAI	RLIA RESERVOIR  0 0  LN MEMORIAL [38 0 0 t. An upper level to	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  ow approached the region ts up to seven inches in
A surface trough was over the area rainfall as they moved eastward town and as they moved eastward town and a surface trough was considered as the surface of the surface o	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and sale of the I-95 corridor and I-95 corridor and stalled over the Mid-Atlantic/I-95 corridor and Italian	2.6 SSE DALECAI 7.05], 1.2 N LINCO	RLIA RESERVOIR  0 0 0  LN MEMORIAL [38 0 0 t. An upper level to oding with amount	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  ow approached the region ts up to seven inches in  Heat
A surface trough was over the area rainfall as they moved eastward town and as they moved eastward town and a surface of COLUMBIA  DISTRICT OF COLUMBIA COUNTY - (38.91, -77.10], 2.6 W GEORGETOWN  Canal Road was closed due to flooding  DISTRICT OF COLUMBIA COUNTY - (19.10)  MEMORIAL [38.90, -77.05], 1.1 N LIN  Virginia Ave NW was closed between and a upper level jet added to enhances than 6 hours recorded near Wall CC-Z001) DISTRICT OF COLUMBIA  High pressure was located over much and a upper level jet added to enhances than 6 hours recorded near Wall CC-Z001) DISTRICT OF COLUMBIA	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and sale of the I-95 corridor and stalled over the Mid-Atlantic/I-95 corridor and stalled over	2.6 SSE DALECAI 7.05], 1.2 N LINCO	RLIA RESERVOIR  0 0 0  LN MEMORIAL [38 0 0 t. An upper level to oding with amount	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  ow approached the region ts up to seven inches in  Heat
A surface trough was over the area rainfall as they moved eastward town and as they moved eastward town and as they moved eastward town and as they moved eastward town as they moved eastward town as they moved eastward town as they moved as they moved as they moved northward and a upper level jet added to enhances than 6 hours recorded near Wall DC-Z001) DISTRICT OF COLUMBIA and they moved eastward town as they moved e	while an upper level disturbance moved vards the I-95 corridor and surrounding vards the I-95 corridor and sale of the I-95 corridor and stalled over the Mid-Atlantic/I-95 corridor and stalled over	2.6 SSE DALECAI 7.05], 1.2 N LINCO	RLIA RESERVOIR  0 0 0  LN MEMORIAL [38 0 0 t. An upper level to oding with amount	[38.92, -77.10], 2.6 W GEORGETOWN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  8.90, -77.05], 1.1 N LINCOLN  Flash Flood (due to Heavy Rain) Source: 911 Call Center  ow approached the region ts up to seven inches in  Heat

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Location Date/Time Deaths & **Event Type and Details** Property & Injuries Crop Dma

High pressure was located over much of the eastern United States for a consecutive day and light southerly flow persisted all week which led to above normal temperatures and dew points in the mid 70s.

#### MARYLAND, Central

#### PRINCE GEORGE'S COUNTY --- 1.8 S CRESTVIEW MANOR [38.70, -76.90], 0.7 NE CRESTVIEW MANOR [38.74, -76.89]

07/01/13 18:33 EST Tornado (EF0, L: 2.30 mi, W: 75 yd) 0.50K 07/01/13 18:33 EST 0.50K Source: NWS Storm Survey

After a review of radar observations, eyewitness reports and video and a ground survey, The National Weather Service Baltimore/Washington DC has confirmed a EF-0 tornado touched down in the area south of Clinton and west of Brandywine Maryland in Prince Georges County Maryland on the evening of Monday, July 1 2013.

Peak winds are estimated to have been 65 mph with much of the two mile track falling between 40 to 65 mph. Those winds were enough to snap large limbs between 6 and 12 inch diameter and top several trees. Topping means a tree was twisted and snapped high up. The only noted minor structural damage was some flashing peeled from one home in the Crestview Manor development of Eilerson Street and some minor vinyl fence damage off Whitaker Park Drive.

The rotating cloud that eventually produced this tornado was seen and documented by several spotters and members of the public from Northern Charles County to where it touched down in Southern Prince Georges County.

The Mid Atlantic was between an upper level trough and ridge. Multiple upper level disturbances were moving through producing showers and thunderstorms. Low level shear and high dew points led to a tornado forming in Prince George's County.

07/07/13 15:24 EST 0 Thunderstorm Wind (EG 52 kt) 07/07/13 15:24 EST 0.25K Source: 911 Call Center

There was a tree down near the intersection of Bidle Road and Freestate Drive

FREDERICK COUNTY --- 1.5 SSW BRADDOCK HGTS [39.41, -77.51]

0 07/07/13 15:29 EST Thunderstorm Wind (EG 52 kt) 07/07/13 15:29 EST 0.25K Source: 911 Call Center

There was a tree down near the 6500 block of Jefferson Blvd.

An upper level disturbance moved over the panhandle of West Virginia. Hot and humid conditions persisted across the Mid Atlantic. Marginal instability helped produce strong winds.

MONTGOMERY COUNTY --- 0.7 NNW SOMERSET [38.96, -77.11], 0.8 NW SOMERSET [38.96, -77.11], 0.7 NW SOMERSET [38.96, -77.11], 0.6 NW

SOMERSET [38.96, -77.11]

07/12/13 00:30 EST 0 Flash Flood (due to Heavy Rain) O

07/12/13 02:30 EST Source: 911 Call Center

There was a water rescue at Little Falls Parkway near Massachusetts Ave.

MONTGOMERY COUNTY --- 0.9 E EMERY CORNERS [38.98, -77.15], 0.6 ESE EMERY CORNERS [38.98, -77.16], 0.6 ENE CABIN JOHN [38.97, -77.16], 0.8

ENE CABIN JOHN [38.97, -77.16]

07/12/13 02:33 EST 0 Flash Flood (due to Heavy Rain) 07/12/13 04:33 EST Source: 911 Call Center n

These roads were closed: River Road, Golfsboro, Macarthur Blvd, Goldleaf and Cabin John Parkway.

PRINCE GEORGE'S COUNTY --- 0.3 W PHELPS CORNER [38.80, -76.99], 0.4 W PHELPS CORNER [38.80, -76.99], 0.3 W PHELPS CORNER [38.80,

-76.99], 0.3 W PHELPS CORNER [38.80, -76.99]

07/12/13 03:06 EST 0 Flash Flood (due to Heavy Rain) 07/12/13 05:06 EST 0 Source: 911 Call Center

There was a water rescue on Livingstone Road and multiple intersections were flooded on Oxon Hill.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ANNE ARUNDEL COUNTY 1.4 N SELBY SELBY BEACH [38.92, -76.52]	BEACH [38.92, -76.52], 1.4 N SEL	BY BEACH [38.92	2, -76.52], 1.3 N SE	ELBY BEACH [38.92, -76.52], 1.3 N
,	07/12/13 04:50 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 06:50 EST		0	Source: Department of Highways
The 400 block of Walnut Drive was closed d	ue to flooding.			
ANNE ARUNDEL COUNTY 1.4 SSW HAF	RWOOD [38.85, -76.63], 1.4 SSW H	HARWOOD [38.85,	-76.63], 1.4 NNW	MT ZION [38.85, -76.63], 1.3 NNW MT
ZION [38.85, -76.63]	07/12/13 04:50 EST		0	Flack Flood (due to Hoove Pain)
	07/12/13 04:50 EST		0	Flash Flood (due to Heavy Rain) Source: Department of Highways
	07/12/13 00:30 L31		O	Source. Department of Fighways
Polling House road was closed between Sign	ma Drive and Bayard Road.			
A frontal boundary moved northward and s and a upper level jet added to enhanced lif less than 6 hours recorded near Washingto	ft in the region. Heavy rain cause	=		_
(MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z011) SOUTHERN BALTIM MARY'S, (MD-Z018) CALVERT	, ,		, , , , ,	, , , , , , , , , , , , , , , , , , , ,
,	07/18/13 10:45 EST	4	0	Heat
	07/18/13 20:00 EST		0	
ligh pressure was located over much of the	<del>-</del>	t southerly flow p	ersisted all week v	which led to above
High pressure was located over much of the normal temperatures and dew points in the (MD-Z004) FREDERICK, (MD-Z005) CARRO	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST	TIMORE, (MD-Z007	) HARFORD, (MD- (MD-Z017) ST. MA	Z009) MONTGOMERY, (MD-Z010)
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO	e mid 70s. DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-	TIMORE, (MD-Z007	) HARFORD, (MD- (MD-Z017) ST. MA	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST	TIMORE, (MD-Z007	) HARFORD, (MD- (MD-Z017) ST. MA	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST	TIMORE, (MD-Z007	) HARFORD, (MD- (MD-Z017) ST. MA 0 0	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT
High pressure was located over much of the normal temperatures and dew points in the (MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	) HARFORD, (MD- (MD-Z017) ST. MA 0 0 0	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT Heat  Excessive Heat
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARROHOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures as	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST the eastern United States for a cound dew points in the mid 70s.	TIMORE, (MD-Z007 -Z016) CHARLES,	) HARFORD, (MD- (MD-Z017) ST. MA 0 0 0	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT Heat  Excessive Heat
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARROHOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures as	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST the eastern United States for a cound dew points in the mid 70s.	TIMORE, (MD-Z007 -Z016) CHARLES,	) HARFORD, (MD- (MD-Z017) ST. MA 0 0 0	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT Heat  Excessive Heat
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARROHOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures as	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST the eastern United States for a cound dew points in the mid 70s.	TIMORE, (MD-Z007 -Z016) CHARLES,	) HARFORD, (MD- (MD-Z017) ST. MA 0 0 0	Z009) MONTGOMERY, (MD-Z010) ARY'S, (MD-Z018) CALVERT Heat  Excessive Heat  Dw persisted all week
High pressure was located over much of the normal temperatures and dew points in the (MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures at ANNE ARUNDEL COUNTY 0.4 SSE FT MANNE ARUNDEL COUNTY 0.4 SSE FT MANN	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST the eastern United States for a cor and dew points in the mid 70s.  MEADE JCT [39.11, -76.78] 07/19/13 16:50 EST 07/19/13 16:50 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 0 0 0 0 light southerly flo	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt)
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER Which led to above normal temperatures at ANNE ARUNDEL COUNTY 0.4 SSE FT Manual There was a tree down on Baltimore Washin	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST 07/19/13 15:30 EST  the eastern United States for a cound dew points in the mid 70s.  MEADE JCT [39.11, -76.78] 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 0 0 0 0 light southerly flo	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt)
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures at ANNE ARUNDEL COUNTY 0.4 SSE FT Manual Country and the country was a tree down on Baltimore Washington	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST 07/19/13 15:30 EST  the eastern United States for a cound dew points in the mid 70s.  MEADE JCT [39.11, -76.78] 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 0 0 0 0 light southerly flo	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt)
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures at ANNE ARUNDEL COUNTY 0.4 SSE FT Manual Country and the country was a tree down on Baltimore Washington	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST 07/19/13 15:30 EST 07/19/13 16:50 EST 07/19/	TIMORE, (MD-Z007 -Z016) CHARLES,	0 0 light southerly flo	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt) Source: Other Federal Agency
Direct Fatalities: M????, U????, U0??  High pressure was located over much of the normal temperatures and dew points in the (MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER Which led to above normal temperatures at ANNE ARUNDEL COUNTY 0.4 SSE FT MASHINGTON COUNTY 0.6 N MAUGAN There were two 18 inch diameter trees blown.	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 10:30 EST 07/19/13 15:30 EST 07/19/13 15:30 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 17:45 EST 07/19/13 17:45 EST 07/19/13 17:45 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 0 light southerly flo	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt)  Source: Other Federal Agency
High pressure was located over much of the normal temperatures and dew points in the (MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures and ANNE ARUNDEL COUNTY 0.4 SSE FT MOTHER WASHINGTON COUNTY 0.6 N MAUGAN There were two 18 inch diameter trees blown	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 15:30 EST 07/19/13 15:30 EST 07/19/13 15:30 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 17:45 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 O O O O O O O O O O O O O O O O O O O	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt)  Source: Other Federal Agency
High pressure was located over much of the normal temperatures and dew points in the MD-Z004) FREDERICK, (MD-Z005) CARRO-HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures and ANNE ARUNDEL COUNTY 0.4 SSE FT MOTHER WASHINGTON COUNTY 0.6 N MAUGAN There were two 18 inch diameter trees blown	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD-07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 15:30 EST 07/19/13 15:30 EST 07/19/13 15:30 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 16:50 EST 07/19/13 17:45 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 O O O O O O O O O O O O O O O O O O O	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt)  Source: Other Federal Agency
High pressure was located over much of the normal temperatures and dew points in the (MD-Z004) FREDERICK, (MD-Z005) CARRO HOWARD, (MD-Z013) PRINCE GEORGES, (MD-Z007) HARFORD, (MD-Z011) SOUTHER High pressure was located over much of the which led to above normal temperatures at ANNE ARUNDEL COUNTY 0.4 SSE FT Manual There was a tree down on Baltimore Washin WASHINGTON COUNTY 0.6 N MAUGAN	e mid 70s.  DLL, (MD-Z006) NORTHERN BALT (MD-Z014) ANNE ARUNDEL, (MD- 07/19/13 08:30 EST 07/19/13 16:40 EST  RN BALTIMORE 07/19/13 15:30 EST 07/19/13 15:30 EST he eastern United States for a cor and dew points in the mid 70s.  MEADE JCT [39.11, -76.78] 07/19/13 16:50 EST 07/19/13 16:50 EST ngton Parkway.  ISVILLE [39.69, -77.75] 07/19/13 17:45 EST 07/19/13 17:45 EST	TIMORE, (MD-Z007 -Z016) CHARLES,	0 O O O O O O O O O O O O O O O O O O O	Excessive Heat  Excessive Heat  Thunderstorm Wind (EG 52 kt) Source: Other Federal Agency  Thunderstorm Wind (EG 52 kt) Source: Trained Spotter

High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantic and isolated thunderstorms

formed over the higher terrain.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MD-Z014) ANNE ARUNDEL				
	07/20/13 14:50 EST		0	Heat
	07/20/13 16:50 EST		0	
ligh pressure was located over much of the hich led to above normal temperatures and		secutive day and	light southerly flo	ow persisted all week
MONTGOMERY COUNTY 1.4 SSE HYATTS	TOWN [39.26, -77.31]			
	07/20/13 19:35 EST		0	Thunderstorm Wind (EG 56 kt)
	07/20/13 19:35 EST		0.25K	Source: 911 Call Center
here was a tree down near a truck weigh stati	on.			
digh pressure was located over much of the which led to above normal temperatures and the afternoon ahead of a approaching cold from the afternoon and the afternoon and the afternoon ahead of a approaching cold from the afternoon and the afterno	dew points in the mid 70s. This	-	•	•
BALTIMORE COUNTY 1.1 SSW BOWLEYS	- · · -·	SW BOWLEYS C	QUARTERS [39.31,	, -76.39], 1.6 SSW BOWLEYS
QUARTERS [39.31, -76.38], 1.3 SSW BOWLEY	<b>/S QUARTERS [39.31, -76.38]</b> 07/21/13 16:30 EST		0	Flash Flood (due to Heavy Rain)
	07/21/13 16:30 EST		0	Source: Emergency Manager
	01121/10 10:00 E31		U	Course. Emergency Manager
There were two roads with 6 to 12 inches of flo	wing water over them. One of th	e roads had a foo	ot of ponding and o	ne swift water rescue.
A weak cold front moved southward into the heavy rain was observed.	Mid Atlantic. A line of showers	and thunderstor	ms formed and m	oved southward and
HARFORD COUNTY 1.0 E DARLINGTON [3	89.63, -76.18], 1.7 E DARLINGTO	ON [39.63, -76.17]		
	07/22/13 23:12 EST		3K	Tornado (EF0, L: 0.80 mi , W: 100 yd)
	07/22/13 23:13 EST		2K	Source: NWS Storm Survey
The tornado initially touched down in the 1300 removal of a window, siding and insulation. The and snapped and numerous crops were damaged a surface trough was over the area while an example as they moved eastward towards the	e tornado then traveled on an ea ged along a convergent path in a upper level disturbance moved	est-northeast path cornfield. The to	along Stafford Roarnado lifted in the 1	ad where numerous trees were topped 1100 block of Stafford Road.
CARROLL COUNTY 1.3 ESE UNIONTOWN				
	07/28/13 20:57 EST		5K	Thunderstorm Wind (EG 56 kt)
	07/28/13 20:57 EST		2K	Source: Public
There were multiple trees damaged as well as		ck of Jasontown F	Road.	
CARROLL COUNTY 1.2 WSW FRIZZELLBU	07/28/13 21:00 EST		0	Thunderstorm Wind (EG 52 kt)
	07/28/13 21:00 EST		2K	Source: Public
There were three pear trees snapped off.				
CARROLL COUNTY 2.3 N WESTMINSTER	ARPT [39.63, -77.00]			
	07/28/13 21:13 EST		0	Thunderstorm Wind (EG 56 kt)
	07/28/13 21:13 EST		2K	Source: 911 Call Center
There were several trees down along route 97	between Stone Road and Bachn	nans Valley Road		
CARROLL COUNTY 0.7 NNW WESTMINST			0	Thunderstorm Wind /MC 55 kt
	07/28/13 21:20 EST		0	Thunderstorm Wind (MG 55 kt)
	07/28/13 21:20 EST		0	Source: AWOS
BALTIMORE COUNTY 0.5 WNW BECKLEY	SVILLE [39.63, -76.78]			
	07/28/13 21:37 EST		0	Thunderstorm Wind (EG 56 kt)

07/28/13 21:37 EST

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Source: Public

2K

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
There were numerous trees down and to	pped.			
HARFORD COUNTY 1.0 WNW NORR	:ISVILLE [39.71, -76.55]			
	07/28/13 22:00 EST		0	Thunderstorm Wind (EG 52 kt)
	07/28/13 22:00 EST		0.25K	Source: Emergency Manager
There was a tree down on 2900 block of	Duncan Road.			
HARFORD COUNTY 1.8 NNE SHAWS	SVILLE [39.65, -76.54]			
	07/28/13 22:06 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/28/13 22:06 EST		0	Source: Emergency Manager
There was a pole broken with wires down	n on the 2900 Block of Bradenbaugh	Road.		
HARFORD COUNTY 0.9 NE STREET	[39.68, -76.37]			
	07/28/13 22:34 EST		1K	Thunderstorm Wind (EG 52 kt)
	07/28/13 22:34 EST		0.25K	Source: 911 Call Center
There was one tree down and wires dow	n on Route 543 within one mile of Ro	ute 165.		
HARFORD COUNTY 1.0 E WHITEFO	RD [39.70, -76.33]			
	07/28/13 22:38 EST		0	Thunderstorm Wind (EG 56 kt)
	07/28/13 22:38 EST		2K	Source: Emergency Manager
There were multiple trees down on the 1	500 block of Ridge Road.			
HARFORD COUNTY 0.4 NNE BEL AI	R [39.53, -76.35]			
	07/28/13 22:50 EST		0	Thunderstorm Wind (EG 52 kt)
	07/28/13 22:50 EST		0.25K	Source: Emergency Manager
There was a tree down on the 1400 block	k of Boggs Road.			
HARFORD COUNTY 3.2 NW BERKLE	EY [39.70, -76.25]			
	07/28/13 22:50 EST		0	Thunderstorm Wind (EG 52 kt)
	07/28/13 22:50 EST		0.25K	Source: Trained Spotter
There was a tree down on Flintville Road	l about one quarter mile north of Broa	d Creek.		
HARFORD COUNTY 1.7 WNW BERK	LEY [39.68, -76.23]			
	07/28/13 22:54 EST		0	Thunderstorm Wind (EG 52 kt)
	07/28/13 22:54 EST		0.25K	Source: Trained Spotter
There was a tree down on Flintville Road	1			
nere was a tree down on Flintville Road	i e e e e e e e e e e e e e e e e e e e			

There was a tree down on Flintville Road.

An upper level low was over the Great Lakes and a cold front moved through the Mid Atlantic. Warm and humid conditions, with dew points in the 70s, were ahead of the cold front and led to destabilization. The majority of the thunderstorms with wind damage moved through North Central MD.

### VIRGINIA, North

NELSON COUNTY 1.4 ENE COLLEEN [37.71, -78.93]						
	07/10/13 14:43 EST	0	Thunderstorm Wind (EG 52 kt)			
	07/10/13 14:43 EST	0.25K	Source: 911 Call Center			

There was a tree down across Tyebrook Highway at the intersection of Route 28 and 88.

A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A shortwave trough ahead of the main trough produced showers and thunderstorms in the unsettled region.

ALBEMARLE COUNTY --- 2.0 N RED HILL [38.00, -78.63], 2.0 NNW RED HILL [38.00, -78.63], 1.8 NNW RED HILL [37.99, -78.63], 1.8 NNW RED HILL [37.99, -78.63]

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/11/13 21:00 EST		0	Flash Flood (due to Heavy Rain)
	07/11/13 23:00 EST		0	Source: 911 Call Center
aylors Gap Road was closed.				
NELSON COUNTY 3.4 E TYRO [37.83,		3.2 E TYRO [37.82		
	07/11/13 21:00 EST		0	Flash Flood (due to Heavy Rain)
	07/11/13 23:00 EST		0	Source: 911 Call Center
A road was washed out in the Branch Mou	untain area off Patrick Henry Highwa	y.		
ALBEMARLE COUNTY 1.3 SSW IVY [3		78.61], 1.5 SSW IV		
	07/11/13 21:42 EST		0	Flash Flood (due to Heavy Rain)
	07/11/13 23:42 EST		0	Source: 911 Call Center
A road was closed due to flash flooding at	3600 Block of Dick Woods Road.			
ALBEMARLE COUNTY 2.1 ENE MILLE	ER SCHOOL [38.03, -78.64], 2.0 ENE	MILLER SCHOOL	. [38.03, -78.64], 2.	0 E MILLER SCHOOL [38.02, -78.64],
2.1 E MILLER SCHOOL [38.02, -78.64]	07/11/13 21:54 EST		0	Flash Flood (due to Heavy Rain)
	07/11/13 23:54 EST		0	Source: 911 Call Center
A read was alread at 4000 Pleate (CB) 1.19			-	2
A road was closed at 4300 Block of Dick V	vvoods Road.			
ALBEMARLE COUNTY 2.9 NE RED HI	LL [38.00, -78.58], 2.8 NE RED HILL	[37.99, -78.58], 2.0	NE RED HILL [37	7.99, -78.58], 2.7 NE RED HILL [38.00,
-78.58]				
•	07/11/13 22:00 EST		0	Flash Flood (due to Heavy Rain)
·	07/11/13 22:00 EST 07/12/13 00:00 EST 0 Block of Monacan Trail Road.		0	Flash Flood (due to Heavy Rain) Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL	07/12/13 00:00 EST 0 Block of Monacan Trail Road.	_ [37.98, -78.63], 0.	0	Source: 911 Call Center [37.98, -78.62], 0.6 N RED HILL [37.98,
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL	_ [37.98, -78.63], 0.	0 6 NNW RED HILL	Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST	_ [37.98, -78.63], 0.	0 6 NNW RED HILL 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain)
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.		0 6 NNW RED HILL 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.		0 6 NNW RED HILL 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.		0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW 07/11/13 22:57 EST  07/12/13 00:57 EST		0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain)  Source: 911 Call Center  [SW CLOVER HILL [38.43, -79.04], 1.3  Flash Flood (due to Heavy Rain)
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloc	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  ck of Waggy's Creek Road.	CLOVER HILL [38	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain) Source: 911 Call Center  EW CLOVER HILL [38.43, -79.04], 1.3  Flash Flood (due to Heavy Rain) Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was close  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloce  PAGE COUNTY 0.6 SSW NEWPORT [3	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  ck of Waggy's Creek Road.	CLOVER HILL [38	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain) Source: 911 Call Center  EW CLOVER HILL [38.43, -79.04], 1.3  Flash Flood (due to Heavy Rain) Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLOSSW CLOVER HILL [38.43, -79.04]	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  ck of Waggy's Creek Road.	CLOVER HILL [38	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98,  Flash Flood (due to Heavy Rain) Source: 911 Call Center  EW CLOVER HILL [38.43, -79.04], 1.3  Flash Flood (due to Heavy Rain) Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was close  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloce  PAGE COUNTY 0.6 SSW NEWPORT [3	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  ck of Waggy's Creek Road.  38.57, -78.61], 1.0 SW NEWPORT [38	CLOVER HILL [38	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [5W CLOVER HILL [38.43, -79.04], 1.3 Flash Flood (due to Heavy Rain) Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was close  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloce  PAGE COUNTY 0.6 SSW NEWPORT [3	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST)  07/12/13 00:57 EST  sk of Waggy's Creek Road.  38.57, -78.61], 1.0 SW NEWPORT [38/17/11/13 22:59 EST)  07/11/13 00:59 EST	CLOVER HILL [38 8.57, -78.62], 1.4 S	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0 0	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [38W CLOVER HILL [38.43, -79.04], 1.3 Flash Flood (due to Heavy Rain) Source: 911 Call Center  [56, -78.62], 1.0 SSW NEWPORT [38.57, Flash Flood (due to Heavy Rain) Source: 911 Call Center
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloc  PAGE COUNTY 0.6 SSW NEWPORT [3-78.61]  There were multiple roads closed in Page	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  sk of Waggy's Creek Road.  38.57, -78.61], 1.0 SW NEWPORT [38/17/12/13 00:59 EST  07/12/13 00:59 EST  County including Newport Road, Gro	CLOVER HILL [38 3.57, -78.62], 1.4 S ove Hill Run, Dam	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0 0 W NEWPORT [38. 0 0 Acres Lane and Co	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [38 CLOVER HILL [38.43, -79.04], 1.3 Flash Flood (due to Heavy Rain) Source: 911 Call Center  [56, -78.62], 1.0 SSW NEWPORT [38.57, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [59] But the second content of the second
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was closed at 2000 Block of Red Hill Road was closed by CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloce  PAGE COUNTY 0.6 SSW NEWPORT [3.78.61]	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  ck of Waggy's Creek Road.  38.57, -78.61], 1.0 SW NEWPORT [38/17/12/13 00:59 EST  07/12/13 00:59 EST  County including Newport Road, Gro	CLOVER HILL [38 3.57, -78.62], 1.4 S ove Hill Run, Dam	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0 0 W NEWPORT [38. 0 0 Acres Lane and Co	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [3W CLOVER HILL [38.43, -79.04], 1.3 Flash Flood (due to Heavy Rain) Source: 911 Call Center  [56, -78.62], 1.0 SSW NEWPORT [38.57, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [390, -77.46], 1.5 W CHANTILLY
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloc  PAGE COUNTY 0.6 SSW NEWPORT [3-78.61]  There were multiple roads closed in Page	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (07/11/13 22:57 EST  07/12/13 00:57 EST  sk of Waggy's Creek Road.  38.57, -78.61], 1.0 SW NEWPORT [38/17/12/13 00:59 EST  07/12/13 00:59 EST  County including Newport Road, Gro	CLOVER HILL [38 3.57, -78.62], 1.4 S ove Hill Run, Dam	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0 0 W NEWPORT [38. 0 0 Acres Lane and Co	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [38 CLOVER HILL [38.43, -79.04], 1.3 Flash Flood (due to Heavy Rain) Source: 911 Call Center  [56, -78.62], 1.0 SSW NEWPORT [38.57, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [59] But the second content of the second
There was a road closed at 1100 and 170  ALBEMARLE COUNTY 0.9 N RED HIL  -78.62]  The 2000 Block of Red Hill Road was clos  ROCKINGHAM COUNTY 1.2 SSW CLO  SSW CLOVER HILL [38.43, -79.04]  There was a water rescue near 8700 Bloc  PAGE COUNTY 0.6 SSW NEWPORT [3-78.61]  There were multiple roads closed in Page	07/12/13 00:00 EST  0 Block of Monacan Trail Road.  L [37.98, -78.62], 0.9 NNW RED HILL  07/11/13 22:17 EST  07/12/13 00:17 EST  sed due to flash flooding.  DVER HILL [38.43, -79.04], 1.3 SSW (17.11/13 22:57 EST  07/11/13 00:57 EST  sk of Waggy's Creek Road.  38.57, -78.61], 1.0 SW NEWPORT [38.07/11/13 22:59 EST  07/11/13 00:59 EST  County including Newport Road, Gro  [38.90, -77.46], 1.5 W CHANTILLY [38.90, -77.46], 1.5 W CHANTILLY [39.07/11/13 23:10 EST  07/11/13 01:10 EST	CLOVER HILL [38 3.57, -78.62], 1.4 S ove Hill Run, Dam 38.90, -77.46], 1.5	0 6 NNW RED HILL 0 0 0 43, -79.04], 1.4 SS 0 0 0 W NEWPORT [38. 0 0 Acres Lane and Co	Source: 911 Call Center  [37.98, -78.62], 0.6 N RED HILL [37.98, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [38 CLOVER HILL [38.43, -79.04], 1.3 Flash Flood (due to Heavy Rain) Source: 911 Call Center  [56, -78.62], 1.0 SSW NEWPORT [38.57, Flash Flood (due to Heavy Rain) Source: 911 Call Center  [59, -77.46], 1.5 W CHANTILLY Flash Flood (due to Heavy Rain)

[38.88, -77.47]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/11/13 23:10 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 00:10 EST		0	Source: 911 Call Center
here was flash flooding reported on Brad	ddock Road near Old Lee Road.			
LOUDOUN COUNTY 1.9 SE STERLIN	G [38.98, -77.41], 1.9 SE STERLING	[38.98, -77.41], 1.9	SSE STERLING [3	88.98, -77.41], 2.0 SE STERLING [38.98,
-77.41]	07/11/13 23:15 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 01:15 EST		0	Source: 911 Call Center
There was approximately six inches of flo	wing water on Old Ox Road near Roo	ck Hill Road.		
	ONTEZUMA [38.41, -79.00], 1.5 ENE	SPRING CREEK [	88.41, -79.01], 1.5 E	ENE SPRING CREEK [38.41, -79.00], 1.5
WSW MONTEZUMA [38.41, -79.00]	07/11/13 23:15 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 01:15 EST		0	Source: 911 Call Center
There was a water rescue near Beaver C	reek Road and Silver Creek Road.			
HARRISONBURG (C) COUNTY 1.0 NN	NE HARRISONBURG [38.46, -78.86],	1.0 N HARRISON	BURG [38.46, -78.8	7], 0.8 N HARRISONBURG [38.46,
-78.87], 0.9 NNE HARRISONBURG [38.4	· -		0	Flood (due to Heavy Pain)
	07/12/13 00:00 EST 07/12/13 02:00 EST		0	Flash Flood (due to Heavy Rain) Source: 911 Call Center
	07/12/13 02.00 E31		U	Source, 911 Can Center
ROCKINGHAM COUNTY 0.5 SW DAY	TON [38.41, -78.94], 0.6 WSW DAYT	ON [38.42, -78.94]	0.8 SW DAYTON	[38.41, -78.94], 0.6 SSW DAYTON
		ON [38.42, -78.94]		- · · · · · · · · · · · · · · · · · · ·
	TON [38.41, -78.94], 0.6 WSW DAYTO 07/12/13 00:00 EST 07/12/13 02:00 EST	ON [38.42, -78.94]	0.8 SW DAYTON 0 0	[38.41, -78.94], 0.6 SSW DAYTON  Flash Flood (due to Heavy Rain)  Source: 911 Call Center
[38.41, -78.94]	07/12/13 00:00 EST 07/12/13 02:00 EST		0	Flash Flood (due to Heavy Rain)
[38.41, -78.94] There were road closures in Dayton inclu	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street a	nd Silver Lake Roa	0 0 d.	Flash Flood (due to Heavy Rain) Source: 911 Call Center
[38.41, -78.94] There were road closures in Dayton inclu LOUDOUN COUNTY 1.3 SW STERLIN	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING	nd Silver Lake Roa	0 0 d. <b>4 SW STERLING</b> [	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING
[38.41, -78.94] There were road closures in Dayton inclu LOUDOUN COUNTY 1.3 SW STERLIN	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST	nd Silver Lake Roa	0 0 d.	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING  Flash Flood (due to Heavy Rain)
[38.41, -78.94] There were road closures in Dayton inclu LOUDOUN COUNTY 1.3 SW STERLIN	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST	nd Silver Lake Roa i [38.98, -77.45], 1.	0 0 d. <b>4 SW STERLING</b> [	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and	nd Silver Lake Roas [38.98, -77.45], 1.	0 0 d. <b>4 SW STERLING [</b> : 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING  Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and	nd Silver Lake Roas [38.98, -77.45], 1.	0 0 d. 4 SW STERLING [: 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and	nd Silver Lake Roas [38.98, -77.45], 1.	0 0 d. <b>4 SW STERLING [</b> : 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING  Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST	nd Silver Lake Roas [38.98, -77.45], 1.	0 0 d.  4 SW STERLING [ 0 0  9 SSE HANEYVIL	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain)
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]  There were two feet of water flowing over	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST	nd Silver Lake Roas is [38.98, -77.45], 1. Executive Drive. E [38.56, -78.55], 1	0 0 d. 4 SW STERLING [: 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center
There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN  [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE  [38.56, -78.55]  There were two feet of water flowing over	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST • top Dovel Hollow Road.	nd Silver Lake Roas is [38.98, -77.45], 1. Executive Drive. E [38.56, -78.55], 1	0 0 d. 4 SW STERLING [: 0 0 .9 SSE HANEYVIL 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]  There were two feet of water flowing over	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST * top Dovel Hollow Road.  WELLINGTON [38.82, -77.52], 3.0 NN 07/12/13 00:45 EST	nd Silver Lake Roas is [38.98, -77.45], 1. Executive Drive. E [38.56, -78.55], 1	0 0 d. 4 SW STERLING [: 0 0 .9 SSE HANEYVIL 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center  NNE WELLINGTON [38.82, -77.53], 3.0 Flash Flood (due to Heavy Rain)
ROCKINGHAM COUNTY 0.5 SW DAY [38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]  There were two feet of water flowing over  PRINCE WILLIAM COUNTY 3.1 NNE N  NNE WELLINGTON [38.82, -77.52]	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST • top Dovel Hollow Road.	nd Silver Lake Roas is [38.98, -77.45], 1. Executive Drive. E [38.56, -78.55], 1	0 0 d. 4 SW STERLING [: 0 0 .9 SSE HANEYVIL 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]  There were two feet of water flowing over  PRINCE WILLIAM COUNTY 3.1 NNE N  NNE WELLINGTON [38.82, -77.52]	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST • top Dovel Hollow Road.  WELLINGTON [38.82, -77.52], 3.0 NN 07/12/13 00:45 EST 07/12/13 02:45 EST	nd Silver Lake Roas is [38.98, -77.45], 1. Executive Drive. E [38.56, -78.55], 1	0 0 d. 4 SW STERLING [: 0 0 .9 SSE HANEYVIL 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center  NNE WELLINGTON [38.82, -77.53], 3.0 Flash Flood (due to Heavy Rain)
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]  There were two feet of water flowing over  PRINCE WILLIAM COUNTY 3.1 NNE NNE WELLINGTON [38.82, -77.52]  The intersection of Sudley Road and Lee  ALBEMARLE COUNTY 68.0 NE BURN	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST * top Dovel Hollow Road.  WELLINGTON [38.82, -77.52], 3.0 NN 07/12/13 00:45 EST 07/12/13 02:45 EST Highway was not passable due to high	nd Silver Lake Roas [38.98, -77.45], 1.  Executive Drive.  E [38.56, -78.55], 1.  E WELLINGTON [	0 0 d. 4 SW STERLING [: 0 0 0 .9 SSE HANEYVIL 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center  NNE WELLINGTON [38.82, -77.53], 3.0 Flash Flood (due to Heavy Rain) Source: 911 Call Center
[38.41, -78.94]  There were road closures in Dayton inclu  LOUDOUN COUNTY 1.3 SW STERLIN [38.98, -77.44]  There was a water rescue on Relocation  PAGE COUNTY 1.8 SE HANEYVILLE [38.56, -78.55]  There were two feet of water flowing over	07/12/13 00:00 EST 07/12/13 02:00 EST ding Huffman Drive, College Street and IG [38.98, -77.44], 1.4 SW STERLING 07/12/13 00:02 EST 07/12/13 02:02 EST Drive between Underwood Lane and [38.56, -78.55], 1.7 SSE HANEYVILL 07/12/13 00:40 EST 07/12/13 02:40 EST * top Dovel Hollow Road.  WELLINGTON [38.82, -77.52], 3.0 NN 07/12/13 00:45 EST 07/12/13 02:45 EST Highway was not passable due to high	nd Silver Lake Roas [38.98, -77.45], 1.  Executive Drive.  E [38.56, -78.55], 1.  E WELLINGTON [	0 0 d. 4 SW STERLING [: 0 0 0 .9 SSE HANEYVIL 0 0	Flash Flood (due to Heavy Rain) Source: 911 Call Center  38.98, -77.44], 1.4 SSW STERLING Flash Flood (due to Heavy Rain) Source: Fire Department/Rescue  LE [38.56, -78.55], 2.0 SE HANEYVILLE Flash Flood (due to Heavy Rain) Source: 911 Call Center  NNE WELLINGTON [38.82, -77.53], 3.0 Flash Flood (due to Heavy Rain) Source: 911 Call Center

There was a swift water rescue in Centreville.

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PAGE COUNTY 1.9 SSE FLEEBURG [38.45, -78.58]	G [38.46, -78.58], 1.9 SSE FLEEBURG	[38.46, -78.58], 2.0	SSE FLEEBURG	[38.45, -78.58], 2.0 SSE FLEEBURG
-	07/12/13 01:10 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 03:10 EST		0	Source: 911 Call Center
Loop Road was flooded at a bridge nea	r Naked Creek.			
PAGE COUNTY 2.3 NE INGHAM [38		8.55], 2.1 NE INGI	- '	
	07/12/13 01:45 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 03:45 EST		0	Source: 911 Call Center
There was a swift water rescue on Dove	el Hollow Road.			
FAIRFAX COUNTY 0.4 SW DUNN LO	ORING [38.88, -77.24], 0.4 SW DUNN L	ORING [38.88, -77	7.24], 0.5 SW DUNI	N LORING [38.88, -77.24], 0.4 SW DUNN
	07/12/13 02:46 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 04:46 EST		0	Source: 911 Call Center
Prosperity Ave was closed due to floodi	ing.			
FAIRFAX COUNTY 75.4 NE LINDSA	Y [38.78, -77.19], 75.3 NE LINDSAY [3	8.78, -77.19], 75.3	NE LINDSAY [38.7	78, -77.19], 75.4 NE LINDSAY [38.78,
-77.19]	07/12/13 02:54 EST		0	Flash Flood (due to Heavy Rain)
	07/12/13 04:54 EST		0	Source: 911 Call Center
There was a road closure at Amherst A				
EALIQUIED COUNTY A CANA CATU	ETT 120 CC	F 120 CC 77 C41 0	C WAN CATLETT	[38.65, -77.64], 0.4 WNW CATLETT
FAUQUIER COUNTY U.6 NW CATEL	EII [30.00, -//.04], U./ WINW CAILEII	i [30.66, - <i>i i</i> .64], U	.0 WINW CAILEII	[50.05, -77.04], 0.4 WINW CATELIT
		i [36.66, -//.64], U		
	07/12/13 03:15 EST	i [36.66, -77.64], U	0	Flash Flood (due to Heavy Rain)
		i [36.66, -//.64], U		
[38.65, -77.64]	07/12/13 03:15 EST	i [36.06, -//.64], U	0	Flash Flood (due to Heavy Rain)
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash	07/12/13 03:15 EST 07/12/13 05:15 EST and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.	corridor overnigh ed a lot of flash flo	0 0 t. An upper level l oding with amour	Flash Flood (due to Heavy Rain) Source: Emergency Manager low approached the region ats up to seven inches in
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055)	corridor overnigh ed a lot of flash flo	0 0 t. An upper level loding with amour 2056) SPOTSYLVA	Flash Flood (due to Heavy Rain) Source: Emergency Manager low approached the region ats up to seven inches in
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause hington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST	corridor overnigh ed a lot of flash flo	0 0 t. An upper level loding with amour 2056) SPOTSYLVA	Flash Flood (due to Heavy Rain) Source: Emergency Manager low approached the region ats up to seven inches in
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055)	corridor overnigh ed a lot of flash flo	0 0 t. An upper level loding with amour 2056) SPOTSYLVA	Flash Flood (due to Heavy Rain) Source: Emergency Manager low approached the region ats up to seven inches in
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) I	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST	corridor overnighed a lot of flash flo	0 0 t. An upper level loding with amour 2056) SPOTSYLVA	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) If the pressure was over saturated Mic Virginia Piedmont.	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  d-Atlantic region and calm winds and of the company of the c	corridor overnighed a lot of flash flo	0 0 t. An upper level loding with amour  Z056) SPOTSYLVA 0 0 0 dense fog develop	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) If High pressure was over saturated Mic Virginia Piedmont.	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  d-Atlantic region and calm winds and calculated the second color of th	corridor overnighed a lot of flash flo	0 0 t. An upper level loding with amour  2056) SPOTSYLV 0 0 dense fog develop	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the  Thunderstorm Wind (EG 52 kt)
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash  (VA-Z027) SHENANDOAH, (VA-Z029) If the pressure was over saturated Mic Virginia Piedmont.  AUGUSTA COUNTY 0.9 ENE STOK	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  d-Atlantic region and calm winds and of the company of the c	corridor overnighed a lot of flash floor	0 0 t. An upper level loding with amour  Z056) SPOTSYLVA 0 0 0 dense fog develop	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) If High pressure was over saturated Mic Virginia Piedmont.  AUGUSTA COUNTY 0.9 ENE STOK	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  4-Atlantic region and calm winds and and an elementary of the company of th	corridor overnighed a lot of flash floor	0 0 t. An upper level loding with amour  2056) SPOTSYLV 0 0 dense fog develop	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the  Thunderstorm Wind (EG 52 kt)
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) If High pressure was over saturated Mic Virginia Piedmont.  AUGUSTA COUNTY 0.9 ENE STOK	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  3-Atlantic region and calm winds and and an elementary of the second seco	corridor overnighed a lot of flash floor	0 0 t. An upper level loding with amour 2056) SPOTSYLVA 0 0 clense fog develop 0 0.25K	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the  Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
[38.65, -77.64]  There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) If High pressure was over saturated Mic Virginia Piedmont.  AUGUSTA COUNTY 0.9 ENE STOK	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause nington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  4-Atlantic region and calm winds and and an elementary of the company of th	corridor overnighed a lot of flash floor	0 0 t. An upper level loding with amour  2056) SPOTSYLV 0 0 dense fog develop	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the  Thunderstorm Wind (EG 52 kt)
There were road closures in Catlett.  A frontal boundary moved northward and a upper level jet added to enhanc less than 6 hours recorded near Wash (VA-Z027) SHENANDOAH, (VA-Z029) I High pressure was over saturated Mic Virginia Piedmont.  AUGUSTA COUNTY 0.9 ENE STOK There was a tree down at the intersection ROCKINGHAM COUNTY 0.7 E COO	07/12/13 03:15 EST 07/12/13 05:15 EST  and stalled over the Mid-Atlantic/I-95 ed lift in the region. Heavy rain cause hington Dulles Airport.  PAGE, (VA-Z050) ORANGE, (VA-Z055) 07/14/13 02:15 EST 07/14/13 07:20 EST  3-Atlantic region and calm winds and and selection of North River Road and Bear Trap I 07/16/13 19:04 EST on of North River Road and Bear Trap I 07/16/13 20:37 EST 07/16/13 20:37 EST	corridor overnighed a lot of flash floor	0 0 t. An upper level loding with amour  2056) SPOTSYLVA 0 0 0 dense fog develop 0 0.25K	Flash Flood (due to Heavy Rain) Source: Emergency Manager  low approached the region ats up to seven inches in  ANIA, (VA-Z057) KING GEORGE Dense Fog  ment in parts of the  Thunderstorm Wind (EG 52 kt) Source: Emergency Manager

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(VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON,

(VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER

Printed on: 02/26/2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/18/13 11:56 EST		0	Heat
	07/18/13 18:30 EST		0	
High pressure was located over much on normal temperatures and dew points in	<u>-</u>	t southerly flow p	ersisted all week v	which led to above
(VA-Z042) LOUDOUN, (VA-Z050) ORANG			M, (VA-Z053) FAIR	FAX, (VA-Z055) STAFFORD,
(VA-Z056) SPOTSYLVANIA, (VA-Z057) K	07/19/13 10:40 EST	IN FAUQUIER	0	Heat
	07/19/13 16:30 EST		0	
(VA-Z054) ARLINGTON				
	07/19/13 12:30 EST		0	Excessive Heat
	07/19/13 14:30 EST		0	
High pressure was located over much of which led to above normal temperatures		nsecutive day and	l light southerly flo	ow persisted all week
HIGHLAND COUNTY 3.0 SE NEW HA	• '			
	07/19/13 14:06 EST		0	Thunderstorm Wind (EG 52 kt)
	07/19/13 14:06 EST		0.25K	Source: 911 Call Center
There was a tree down on Highway 220 r	near Route 627.			
FREDERICK COUNTY 1.6 N HAYFIEL	D [39.25, -78.30]			
	07/19/13 16:22 EST		0	Hail (1.00 in)
	07/19/13 16:22 EST		0	Source: Trained Spotter
RAPPAHANNOCK COUNTY 0.6 NNE	WOODVILLE [38 61 -78 18]			
TOTAL ANALYSIS SOUTH 0.5 MILE	07/19/13 16:55 EST		0	Thunderstorm Wind (EG 52 kt)
	07/19/13 16:55 EST		0.25K	Source: Emergency Manager
There was a tree down at Rudasill Mills R	road and Spernwille Pike			
High pressure was off the South Carolir formed over the higher terrain.	•	ns existed across	the Mid Atlantic a	nd isolated thunderstorms
ALBEMARLE COUNTY 1.9 NE CARTE	FRS BRIDGE (37 92 -78 55)			
ALBEMANEE COOKTT 1.3 NE CANTE	07/20/13 15:12 EST		0	Thunderstorm Wind (EG 52 kt)
	07/20/13 15:12 EST		0.50K	Source: Public
There were two trees down on State High	way 20 near Walton Middle.			
NELSON COUNTY 0.5 NNE FABER [3	7 84 -78 751			
MELOON COUNTY U.S NINE PADER [S	07/20/13 15:45 EST		0	Thunderstorm Wind (EG 52 kt)
	07/20/13 15:45 EST		0.25K	Source: 911 Call Center
There was a tree down near the intersect	ion of Irish Road and Church Lane.			
NELSON COUNTY 1.0 NNW SCHUYL	FR [37 79 _78 74]			
NELSON COUNTY 1.0 NNW SCHUYL	ER [37.79, -78.71] 07/20/13 15:50 EST		0	Thunderstorm Wind (EG 52 kt)
	07/20/13 15:50 EST		5K	Source: 911 Call Center
There were several trees down on Rockfi	sh River Road blocking traffic. Nume	rous trees were al	so reported down c	on Route 6.
High pressure was located over much o which led to above normal temperature the afternoon ahead of a approaching c	s and dew points in the mid 70s. Th	<del>-</del>		
NELSON COUNTY 0.8 NE TYE RIVER	[37.66, -78.96]			
	07/28/13 21:35 EST		0	Thunderstorm Wind (EG 52 kt)
	07/28/13 21:35 EST		0.25K	Source: 911 Call Center

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tree fell down blocking Route 29	9 in Southern Nelson County.			
SPOTSYLVANIA COUNTY 1.2	W PARKER [38.27, -77.77]			
	07/29/13 00:36 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	07/29/13 00:36 EST		0.50K	Source: Public
There were numerous tree limbs	damaged and also a trellis damaged on the p	property of the 126	00 block of Orange	Plank Road.

An upper level low was over the Great Lakes and a cold front moved through the Mid Atlantic. Warm and humid conditions, with dew points in the 70s, were ahead of the cold front and led to destabilization. The majority of the thunderstorms with wind damage moved through North Central MD.

MORGAN COUNTY 1.8 NW LARGENT [39.50, -78.40]		
07/07/13 14:23 EST	0	Thunderstorm Wind (EG 52 kt)
07/07/13 14:23 EST	0.25K	Source: 911 Call Center
here was a tree down on Cacapon Road near Milo School Road.		
IORGAN COUNTY 0.6 W RIDERSVILLE [39.62, -78.19]		
07/07/13 14:37 EST	0	Thunderstorm Wind (EG 52 kt)
07/07/13 14:37 EST	0.25K	Source: 911 Call Center
here was a tree down on Martinsburg Road near Peter Yost Road.		
MORGAN COUNTY 6.5 ESE CHERRY RUN [39.59, -77.92]		
07/07/13 14:58 EST	0	Thunderstorm Wind (EG 52 kt)
07/07/13 14:58 EST	0.25K	Source: Emergency Manager
here was a tree down at the intersection of Tice Road and Grade Road.		
JEFFERSON COUNTY 0.9 SE BAKERTON [39.36, -77.76]		
07/07/13 15:13 EST	0	Thunderstorm Wind (EG 52 kt)
07/07/13 15:13 EST	0.25K	Source: 911 Call Center
here was a tree down blocking the road.		
An upper level disturbance moved over the panhandle of West Virginia. Hot and he Marginal instability helped produce strong winds.	umid conditions persisted	d across the Mid Atlantic.
HAMPSHIRE COUNTY 1.7 SSW YELLOW SPG [39.16, -78.54]		
07/11/13 20:29 EST	0	Thunderstorm Wind (EG 52 kt)
07/11/13 20:29 EST	1K	Source: Trained Spotter
here were trees down along Capon Springs Road.		
A Bermuda High continued to usher tropical moisture into the Mid Atlantic. A short	wave trough ahead of the	e main trough produced
howers and thunderstorms in the unsettled region.	wave trough allead of the	main dough produced

0

0

There were three to four feet of water ponded on Durgon Road near Creitz Road. There was also a disabled vehicle in water.

07/11/13 22:30 EST

07/12/13 00:30 EST

A frontal boundary moved northward and stalled over the Mid-Atlantic/I-95 corridor overnight. An upper level low approached the region and a upper level jet added to enhanced lift in the region. Heavy rain caused a lot of flash flooding with amounts up to seven inches in less than 6 hours recorded near Washington Dulles Airport.

GRANT COUNTY --- 0.5 WSW PETERSBURG [39.00, -79.13]

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Flash Flood (due to Heavy Rain) Source: 911 Call Center

07/19/13 14:06 EST 0.25K  There was a tree down on Johnson Run Road.  GRANT COUNTY 0.4 SSE PETERSBURG [38.99, -79.12] 07/19/13 14:08 EST 0.25K  There was a tree down at East Ave and Grant Street.  PENDLETON COUNTY 1.4 N FRANKLIN [38.67, -79.33] 07/19/13 14:54 EST 0.25K  HARDY COUNTY 6.3 SW BRAKE [38.81, -79.10] 07/19/13 14:58 EST 0.25K  There was a tree down on South Fork Road.  PENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0.25K  There was a tree down on South Fork Road.  PENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0.25K  There were several trees limbs down on Sugar Grove Road.  HARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0.25K  There was a tree down on the 18000 block of South Fork Road.  GRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 0.7/19/13 15:49 EST 0 0.7/19/1	Event Type and Details
RANT COUNTY 0.4 SSE PETERSBURG [38.99, -79.12] 07/19/13 14:08 EST 0,25K here was a tree down at East Ave and Grant Street.  ENDLETON COUNTY 1.4 N FRANKLIN [38.67, -79.33] 07/19/13 14:54 EST 0 07/19/13 14:55 EST 0 07/19/13 14:58 EST 0 07/19/13 15:44 EST 0 0 07/19/13 15:44 EST 0 0 07/19/13 15:44 EST 0 0 07/19/13 15:49 EST 0 07/19/13 15:49 EST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt)
RANT COUNTY 0.4 SSE PETERSBURG [38.99, -79.12] 07/19/13 14:08 EST 0.25K  here was a tree down at East Ave and Grant Street.  ENDLETON COUNTY 1.4 N FRANKLIN [38.67, -79.33] 07/19/13 14:54 EST 0 07/19/13 14:54 EST 0 07/19/13 14:58 EST 0.25K  ARDY COUNTY 6.3 SW BRAKE [38.81, -79.10] 07/19/13 14:58 EST 0.25K  here was a tree down on South Fork Road.  ENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0.25K  here were several trees limbs down on Sugar Grove Road.  ARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0.25K  here was a tree down on the 18000 block of South Fork Road.  RANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 here was a tree down on Corners Road.  Igh pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantion of Country 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33] 07/19/13 15:14 EST 0 0 DATE OF TRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33], 0.7 SSW FRANKLIN [38.64, -79.33], 0.8 SSW FRANKLIN [38.64, -79.33], 0.7 SSW FRANKLIN [38.64, -79.33], 0.8 SSW FRANKLIN [38.64, -79.33], 0.7 SSW FRANKLIN [38.64, -79.37], 2.5 WSW FRANKLIN [38.64, -79.37],	Source: 911 Call Center
07/19/13 14:08 EST 0.25K here was a tree down at East Ave and Grant Street.  ENDLETON COUNTY 1.4 N FRANKLIN [38.67, -79.33] 07/19/13 14:54 EST 0.07/19/13 14:54 EST 0.07/19/13 14:58 EST 0.07/19/13 14:58 EST 0.25K  ARDY COUNTY 6.3 SW BRAKE [38.81, -79.10] 07/19/13 14:58 EST 0.25K here was a tree down on South Fork Road.  ENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0.25K here were several trees limbs down on Sugar Grove Road.  ARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0.25K here was a tree down on the 18000 block of South Fork Road.  FRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0.05K here was a tree down on Corners Road.  Igh pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantismed over the higher terrain.  ENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33] 0.7/19/13 15:14 EST 0.07/19/13 17:14 EST 0.000 block of O7/19/13 15:14 EST 0.000 block	
07/19/13 14:08 EST 0.25K here was a tree down at East Ave and Grant Street.  ENDLETON COUNTY 1.4 N FRANKLIN [38.67, -79.33] 07/19/13 14:54 EST 0 07/19/13 14:54 EST 0 07/19/13 14:58 EST 0.25K here was a tree down on South Fork Road.  ENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0.25K here were several trees limbs down on Sugar Grove Road.  ARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0.25K here was a tree down on the 18000 block of South Fork Road.  RANDY COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0.25K here was a tree down on Corners Road.  IRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0.07/19/13 15:49 EST 0.00000000000000000000000000000000000	
### PROPRIETON COUNTY 1.4 N FRANKLIN [38.64, -79.33]  O7/19/13 14:54 EST  O7/19/13 14:54 EST  O7/19/13 14:58 EST  O7/19/13 14:58 EST  O25K  #### PROPRIETON COUNTY 6.3 SW BRAKE [38.81, -79.10]  O7/19/13 14:58 EST  O25K  #### PROPRIETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25]  O7/19/13 14:58 EST  O25K  #### PROPRIETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25]  O7/19/13 14:58 EST  O25K  #### PROPRIETON COUNTY 3.7 SW BRAKE [38.84, -79.07]  O7/19/13 15:44 EST  O25K  #### PROPRIETON COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17]  O7/19/13 15:49 EST  O47/19/13 15:49 EST  O57/19/13 15:49 EST  O7/19/13 15:49 EST  O7/19/1	Thunderstorm Wind (EG 52 kt)
PENDLETON COUNTY 1.4 N FRANKLIN [38.67, -79.33]  07/19/13 14:54 EST  0  07/19/13 14:58 EST  0  07/19/13 14:58 EST  0.25K  There was a tree down on South Fork Road.  PENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25]  07/19/13 14:58 EST  0.25K  There were several trees limbs down on Sugar Grove Road.  PENDLETON COUNTY 1.7 SW BRAKE [38.84, -79.07]  07/19/13 15:44 EST  0 07/19/13 15:44 EST  0 07/19/13 15:44 EST  0 07/19/13 15:49 EST  0 0 07/19/13 15:49 EST  0 0 07/19/13 15:49 EST  0 07/19/13 15:49 EST  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Source: 911 Call Center
07/19/13 14:54 EST 0 07/19/13 14:54 EST 0 07/19/13 14:54 EST 0 07/19/13 14:58 EST 0 07/19/13 14:58 EST 0 07/19/13 14:58 EST 0 07/19/13 14:58 EST 0 0.25K here was a tree down on South Fork Road.  ENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0 0.25K here were several trees limbs down on Sugar Grove Road.  ARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0 07/19/13 15:44 EST 0 0.25K here was a tree down on the 18000 block of South Fork Road.  IRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 07/19/13 15:14 EST 0 07/19/13 15:14 EST 0 07/19/13 15:14 EST 0 07/19/13 17:14 EST 0 07/19/13 17:14 EST 0 07/19/13 17:14 EST 0 07/19/13 17:14 EST 0	
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ARDY COUNTY 6.3 SW BRAKE [38.81, -79.10]  07/19/13 14:58 EST  0.25K  There was a tree down on South Fork Road.  PENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25]  07/19/13 14:58 EST  0.25K  There were several trees limbs down on Sugar Grove Road.  IARDY COUNTY 3.7 SW BRAKE [38.84, -79.07]  07/19/13 15:44 EST  0.25K  There was a tree down on the 18000 block of South Fork Road.  SRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17]  07/19/13 15:49 EST  0 there was a tree down on Corners Road.  IIIII pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantic promed over the higher terrain.  IEINDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33]  07/19/13 15:14 EST  0 there were several streets flooded in Franklin WV.	Hail (1.00 in)
07/19/13 14:58 EST 0 0.25K here was a tree down on South Fork Road.  ENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0 0.25K here were several trees limbs down on Sugar Grove Road.  ARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0 0.25K here was a tree down on the 18000 block of South Fork Road.  FRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 0.25K here was a tree down on Corners Road.  FRANT COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33] 07/19/13 15:14 EST 0 0.25K  ENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33] 07/19/13 15:14 EST 0 0.25K  ENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANKLIN [38.64, -79.36] 07/19/13 15:14 EST 0	Source: Public
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PENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25]  07/19/13 14:58 EST  0.25K  There were several trees limbs down on Sugar Grove Road.  IARDY COUNTY 3.7 SW BRAKE [38.84, -79.07]  07/19/13 15:44 EST  0.25K  There was a tree down on the 18000 block of South Fork Road.  BRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17]  07/19/13 15:49 EST  0 There was a tree down on Corners Road.  Bigh pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlanticormed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33]  07/19/13 15:14 EST  0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36]	Thunderstorm Wind (EG 52 kt)
PENDLETON COUNTY 1.7 S BRANDYWINE [38.60, -79.25] 07/19/13 14:58 EST 0.25K There were several trees limbs down on Sugar Grove Road.  IARDY COUNTY 3.7 SW BRAKE [38.84, -79.07] 07/19/13 15:44 EST 0.25K There was a tree down on the 18000 block of South Fork Road.  SRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 07/19/13 15:49 EST 0 07/19/13 15:49 EST 0 There was a tree down on Corners Road.  Idigh pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantion over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33] 07/19/13 15:14 EST 0 There were several streets flooded in Franklin WV.	Source: 911 Call Center
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There were several trees limbs down on Sugar Grove Road.    ARRDY COUNTY 3.7 SW BRAKE [38.84, -79.07]	Thunderstorm Wind (EG 52 kt)
### Or/19/13 15:44 EST 0 0.25K  There was a tree down on the 18000 block of South Fork Road.  ###################################	Source: Trained Spotter
07/19/13 15:44 EST 0 07/19/13 15:44 EST 0.25K  There was a tree down on the 18000 block of South Fork Road.  GRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 07/19/13 15:49 EST 0 07/19/13 15:49 EST 0  There was a tree down on Corners Road.  High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantiformed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANK [38.64, -79.33] 07/19/13 15:14 EST 0 07/19/13 17:14 EST 0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36] 07/19/13 15:14 EST 0	
07/19/13 15:44 EST 0.25K  There was a tree down on the 18000 block of South Fork Road.  GRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 07/19/13 15:49 EST 0  There was a tree down on Corners Road.  High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantiformed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRAN 38.64, -79.33] 07/19/13 15:14 EST 0 07/19/13 17:14 EST 0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK 38.64, -79.36] 07/19/13 15:14 EST 0	
There was a tree down on the 18000 block of South Fork Road.  GRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17] 07/19/13 15:49 EST 0 7/19/13 15:49 EST 0  There was a tree down on Corners Road.  High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlanticormed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANK 38.64, -79.33] 07/19/13 15:14 EST 0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK 38.64, -79.36] 07/19/13 15:14 EST 0	Thunderstorm Wind (EG 52 kt)
GRANT COUNTY 1.3 WNW PETERSBURG GRANT ARP [39.01, -79.17]  07/19/13 15:49 EST  0  07/19/13 15:49 EST  0  There was a tree down on Corners Road.  High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlanticormed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRAN 38.64, -79.33]  07/19/13 15:14 EST  0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK 38.64, -79.36]  07/19/13 15:14 EST  0	Source: 911 Call Center
07/19/13 15:49 EST 0 07/19/13 15:14 EST 0 07/19/13 17:14 EST 0	
O7/19/13 15:49 EST 0  There was a tree down on Corners Road.  High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantic formed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANKLIN [38.64, -79.33]  O7/19/13 15:14 EST 0  O7/19/13 17:14 EST 0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36]  O7/19/13 15:14 EST 0	
There was a tree down on Corners Road.  High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlanticorned over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRANGARD 07/19/13 15:14 EST 0 07/19/13 17:14 EST 0 0 0 07/19/13 17:14 EST 0 0 0 07/19/13 17:14 EST 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Thunderstorm Wind (EG 52 kt)
High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlantic formed over the higher terrain.  PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRAN [38.64, -79.33]  07/19/13 15:14 EST  0  O7/19/13 17:14 EST  0  OFFICIENT OFFICIENT OFFI (18.65, -79.36), 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36]  07/19/13 15:14 EST  0	Source: 911 Call Center
PENDLETON COUNTY 0.5 S FRANKLIN [38.64, -79.33], 0.5 SSW FRANKLIN [38.64, -79.33], 0.6 SSW FRAN 38.64, -79.33]  07/19/13 15:14 EST  0 07/19/13 17:14 EST  0 0 07/19/13 15:14 EST  0 0 07/19/13 15:14 EST  0 0 07/19/13 15:14 EST  0 07/19/13 15:14 EST  0 07/19/13 15:14 EST	
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07/19/13 15:14 EST 0 07/19/13 17:14 EST 0 07/19/13 17:14 EST 0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36] 07/19/13 15:14 EST 0	IKLIN [38.64, -79.33], 0.7 S FRANKLIN
07/19/13 17:14 EST 0  There were several streets flooded in Franklin WV.  PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36]  07/19/13 15:14 EST 0	Flash Flood (due to Heavy Rain)
PENDLETON COUNTY 1.8 W FRANKLIN [38.65, -79.36], 2.3 W FRANKLIN [38.65, -79.37], 2.5 WSW FRANK [38.64, -79.36] 07/19/13 15:14 EST 0	Source: Emergency Manager
[38.64, -79.36] 07/19/13 15:14 EST 0	
[38.64, -79.36] 07/19/13 15:14 EST 0	(LIN [38.64, -79.37], 1.9 WSW FRANKLIN
0//19/13 17:14 EST 0	Flash Flood (due to Heavy Rain)
	Source: Emergency Manager
There was flash flooding on US Highway 33 2-3 miles west of Franklin.	
High pressure was off the South Carolina coast. Warm and humid conditions existed across the Mid Atlant	ic and isolated

HARDY COUNTY --- 0.4 ESE WARDENSVILLE [39.08, -78.59], 0.3 ESE WARDENSVILLE [39.08, -78.59], 0.4 SE WARDENSVILLE [39.08, -78.59], 0.5 ESE

0

07/22/13 20:00 EST

07/22/13 22:00 EST

WARDENSVILLE [39.08, -78.59]

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Flash Flood (due to Heavy Rain)

Source: Emergency Manager

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

There were three roads closed by water over the road.

A surface trough was over the area while an upper level disturbance moved overhead. Showers and thunderstorms produced heavy rainfall as they moved over the mountains.

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