

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 2.2 NE COLONIAL BEACH [38.25, -76.95], 4.1 SSE CUCKOLD CREEK [38.25, -76.91]				
	07/01/09 18:52 EST	0		Waterspout
	07/01/09 18:59 EST	0		Source: Public
A waterspout was spotted by the public near Colonial Beach.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 18.2 WNW PINEY POINT [38.25, -76.83]				
	07/01/09 19:10 EST	0		Marine Hail (0.75 in)
	07/01/09 19:10 EST	0		Source: Fire Department/Rescue
Penny size hail was reported near Cobb Island.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 13.6 NNW PINEY POINT [38.30, -76.66]				
	07/01/09 19:14 EST	0		Marine Thunderstorm Wind (EG 50 kt)
	07/01/09 19:14 EST	0		Source: Public
A tree fell onto a house near Leonardtown.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 13.3 NW PINEY POINT [38.28, -76.69]				
	07/01/09 19:26 EST	0		Marine Thunderstorm Wind (EG 50 kt)
	07/01/09 19:26 EST	0		Source: Public
A tree fell onto a house near Compton.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 14.2 NW PINEY POINT [38.28, -76.71]				
	07/01/09 19:26 EST	0		Marine Thunderstorm Wind (EG 50 kt)
	07/01/09 19:26 EST	0		Source: Public
A tree fell onto a house near Compton.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 SSE ST INIGOES [38.15, -76.43]				
	07/01/09 20:05 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	07/01/09 20:05 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Saint Inigoes.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]				
	07/01/09 20:06 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	07/01/09 20:06 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at Lewisetta.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	07/01/09 20:20 EST	0		Marine Thunderstorm Wind (MG 45 kt)
	07/01/09 20:20 EST	0		Source: Mesonet
A wind gust of 45 knots was reported at Point Lookout.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSE LOWER HOOPERS ISLAND [38.26, -76.18]				
	07/01/09 20:26 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	07/01/09 20:26 EST	0		Source: Mesonet
A wind gust of 34 knots was reported at Lower Hoopers island.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	07/01/09 20:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	07/01/09 20:30 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Point Lookout.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	07/01/09 20:44 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	07/01/09 20:44 EST	0		Source: Mesonet
A wind gust of 37 knots was reported at Bishops Head.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 2.9 SW SMITH ISLAND [37.98, -76.04]				
	07/01/09 20:45 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	07/01/09 20:45 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Smith Island.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/01/09 21:07 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	07/01/09 21:07 EST	0		Source: Mesonet
A wind gust of 36 knots was measured at Crisfield.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 4.4 E BISHOPS HEAD [38.21, -75.96]				
	07/01/09 21:09 EST	0		Marine Thunderstorm Wind (EG 50 kt)
	07/01/09 21:09 EST	0		Source: Law Enforcement
A wind gust of 50 knots was estimated based off thunderstorm wind damage near Bishops Head.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	07/01/09 21:10 EST	0		Marine Thunderstorm Wind (MG 53 kt)
	07/01/09 21:10 EST	0		Source: Mesonet
A wind gust of 53 knots was measured at Raccoon Point.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/01/09 21:10 EST	0		Marine Thunderstorm Wind (EG 40 kt)
	07/01/09 21:10 EST	0		Source: Trained Spotter
A wind gust was estimated around 40 knots at Crisfield.				
A potent cold front passed through the waters on the first. Ahead of the front, plenty of moisture lead to unstable conditions. The instability combined with the forcing from the front to trigger showers and thunderstorms. Thunderstorms produced gusty winds and large hail.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 4.3 W PHILLIPS ARMY AIRFIELD [39.47, -76.25]				
	07/24/09 18:08 EST	0		Marine Hail (0.75 in)
	07/24/09 18:08 EST	0		Source: Trained Spotter
Penny size hail was reported near Belcamp.				
A cold front passed through the waters triggering showers and thunderstorms. There was enough instability ahead of the front for an isolated thunderstorm to produce large hail.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	07/25/09 19:06 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	07/25/09 19:15 EST	0		Source: Buoy
Wind gusts up to 35 knots were reported at Baltimore Key Bridge.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	07/25/09 19:07 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	07/25/09 19:07 EST	0		Source: ASOS
Wind gusts up to 39 knots were reported at Quantico.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 WSW KENT ISLAND [38.92, -76.36]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/25/09 20:35 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/25/09 20:35 EST		0	Source: Mesonet

A wind gust of 38 knots was measured at Kent Island.

Showers and thunderstorms developed ahead of a cold front on the 25th. There was enough instability along with strong winds aloft for a couple thunderstorms to produce gusty winds.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53]				
	07/26/09 14:35 EST		0	Marine Thunderstorm Wind (MG 43 kt)
	07/26/09 14:35 EST		0	Source: Mesonet

A wind gust of 43 knots was reported at Piney Point.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSE LOWER HOOPERS ISLAND [38.26, -76.18]				
	07/26/09 14:54 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	07/26/09 15:04 EST		0	Source: Mesonet

Wind gusts between 36 and 41 knots were reported at Lower Hooper Island.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	07/26/09 15:05 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/09 15:05 EST		0	Source: Mesonet

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

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]				
	07/26/09 15:06 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/09 15:06 EST		0	Source: Buoy

A wind gust in excess of 30 knots was measured at Lewisetta.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	07/26/09 15:12 EST		0	Marine Thunderstorm Wind (MG 51 kt)
	07/26/09 15:38 EST		0	Source: Mesonet

Wind gusts between 34 and 51 knots were reported at Bishops Head.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	07/26/09 15:28 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	07/26/09 15:38 EST		0	Source: Mesonet

Wind gusts between 34 and 37 knots were reported at Smith Island.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	07/26/09 15:39 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	07/26/09 15:48 EST		0	Source: Mesonet

Wind gusts between 35 and 44 knots were measured at Raccoon Point.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/26/09 15:40 EST		0	Marine Thunderstorm Wind (MG 43 kt)
	07/26/09 15:50 EST		0	Source: Mesonet

Wind gusts up to 43 knots were reported at Crisfield.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	07/26/09 16:21 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/09 16:21 EST		0	Source: Mesonet

A wind gust in excess of 30 knots was reported at Smith Island.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/26/09 16:22 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/26/09 16:40 EST		0	Source: Mesonet
Wind gusts up to 38 knots were reported at Crisfield.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	07/26/09 16:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/09 16:36 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Raccoon Point.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/26/09 20:22 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/09 20:22 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Crisfield.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	07/26/09 20:38 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/26/09 20:38 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Bishops Head.				
An upper-level low over the Great lakes provided cooler air aloft. The warm and humid air at the surface combined with the cooler air aloft to allow for an unstable atmosphere. Showers and thunderstorms popped up on the 26th over the waters. The winds were strong enough aloft for some thunderstorms to trigger gusty winds.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	07/27/09 00:12 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/27/09 00:12 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Bishops Head.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	07/27/09 02:55 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/27/09 02:57 EST		0	Source: Mesonet
Wind gusts up to 35 knots were reported at Point Lookout.				
A trough of low pressure triggered a few showers and thunderstorms on the 27th. An isolated thunderstorm did produce gusty winds over the Chesapeake Bay.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	07/29/09 15:00 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	07/29/09 15:00 EST		0	Source: Mesonet
A wind gust of 40 knots was reported at Smith Island.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	07/29/09 15:15 EST		0	Marine Thunderstorm Wind (MG 46 kt)
	07/29/09 15:25 EST		0	Source: Mesonet
Wind gusts up to 46 knots were measured at Bishops Head.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/29/09 15:15 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	07/29/09 15:15 EST		0	Source: Mesonet
A wind gust of 37 knots was measured at Crisfield.				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/29/09 15:20 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	07/29/09 15:26 EST		0	Source: Mesonet

Wind gusts between 38 and 39 knots were reported at Raccoon Point.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 4.3 WNW STEVENSVILLE [39.01, -76.40]				
	07/29/09 18:22 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	07/29/09 18:22 EST		0	Source: Mesonet

A wind gust of 37 knots was measured at Sandy Point.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]				
	07/29/09 18:36 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/29/09 18:36 EST		0	Source: Buoy

A wind gust of 35 knots was measured at Lewisetta.

An area of low pressure and its associated cold front passed through the region on the 29th. Strong winds aloft combined with an unstable atmosphere for showers and thunderstorms to develop. Some thunderstorms did produce gusty winds.

CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 0.8 ESE HAVRE DE GRACE [39.55, -76.09]				
	07/31/09 14:08 EST		0	Marine Thunderstorm Wind (EG 55 kt)
	07/31/09 14:08 EST		0	Source: Mariner

A wind gust of 55 knots was estimated near Havre De Grace.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	07/31/09 14:40 EST		0	Marine Thunderstorm Wind (MG 46 kt)
	07/31/09 14:48 EST		0	Source: Mesonet

Wind gusts ranged between 38 and 46 knots at Point Lookout.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLER ISLAND [39.25, -76.37]				
	07/31/09 14:41 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	07/31/09 14:41 EST		0	Source: Mesonet

A wind gust of 38 knots was reported at Miller Island.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 11.6 NNE QUANTICO [38.64, -77.20]				
	07/31/09 14:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	07/31/09 14:42 EST		0	Source: Mesonet

A wind gust in excess of 30 knots was reported at Mason Neck.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 WSW KENT ISLAND [38.92, -76.36]				
	07/31/09 14:48 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/31/09 14:48 EST		0	Source: Mesonet

A wind gust of 35 knots was reported at Kent Island.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.4 SSW SMITH ISLAND [37.98, -76.04]				
	07/31/09 15:03 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	07/31/09 15:03 EST		0	Source: Mesonet

A wind gust of 44 knots was measured at Smith Island.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	07/31/09 15:05 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	07/31/09 15:05 EST		0	Source: Mesonet

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

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TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.1 ESE RACCOON POINT [38.14, -75.79]				
	07/31/09 15:22 EST		0	Marine Thunderstorm Wind (MG 54 kt)
	07/31/09 15:22 EST		0	Source: Mesonet

A wind gust of 54 knots was measured at Raccoon Point.

TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	07/31/09 15:23 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	07/31/09 15:23 EST		0	Source: Mesonet

A wind gust of 37 knots was measured at Crisfield.

A cold front and its associated trough of low pressure triggered showers and thunderstorms across the Tidal Potomac and Chesapeake Bay. A southwest flow ahead of the front ushered in plenty of moisture from the Gulf of Mexico, resulting in an unstable atmosphere. The moderate amounts of instability combined with the forcing from the front and strong winds aloft for some thunderstorms to produce gusty winds.

MARYLAND, Central

CHARLES COUNTY --- 0.9 SE COBB IS [38.26, -76.84]				
	07/01/09 19:10 EST		0	Hail (0.75 in)
	07/01/09 19:10 EST		0	Source: Fire Department/Rescue

Penny size hail was reported near Cobb Island.

ST. MARY'S COUNTY --- 1.2 SSE MADDOX [38.31, -76.81]				
	07/01/09 19:14 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/09 19:14 EST		0	Source: Emergency Manager

A tree was down on Maddox Road near Notley Hall Road.

ST. MARY'S COUNTY --- 0.9 NNW COMPTON [38.28, -76.71]				
	07/01/09 19:23 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/09 19:23 EST		0	Source: Emergency Manager

A tree was down along with electric wires on Lady Baltimore Avenue.

ST. MARY'S COUNTY --- 1.8 W LEONARDTOWN [38.30, -76.66]				
	07/01/09 19:25 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/09 19:25 EST		0	Source: Emergency Manager

A tree was down on Newtowne Neck Road.

ST. MARY'S COUNTY --- 0.7 NE COMPTON [38.28, -76.69]				
	07/01/09 19:26 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/09 19:26 EST		0	Source: Emergency Manager

A tree was down on Newtowne Neck Road.

A potent cold front passed through the Maryland on the first. Ahead of the front, plenty of moisture lead to unstable conditions. The instability combined with the forcing from the front to trigger showers and thunderstorms. There was enough instability ahead of the front for thunderstorms to become severe across lower southern Maryland.

ST. MARY'S COUNTY --- 0.5 E VALLEY LEE [38.20, -76.51]				
	07/19/09 15:00 EST		1K	Dust Devil
	07/19/09 15:00 EST	1	0	Source: Public

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

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

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MONTGOMERY COUNTY --- 0.9 SE WOODHAVEN [38.99, -77.12]				
	07/23/09 13:30 EST		0	Lightning
	07/23/09 13:30 EST	1	0	Source: Broadcast Media
A man was injured due to a lightning strike close by at the Congressional Golf Course in Bethesda.				
MONTGOMERY COUNTY --- 1.5 NNE LAYHILL [39.10, -77.04]				
	07/23/09 17:05 EST		0	Hail (1.00 in)
	07/23/09 17:05 EST		0	Source: Trained Spotter
Quarter size hail was reported near Aspen Hill.				
A warm front pushed through Maryland on the 23rd. A southeast flow ahead of the front ushered in plenty of moisture from the Atlantic Ocean. The moisture combined with the warm front triggered showers and thunderstorms. An isolated thunderstorm did become severe.				
CARROLL COUNTY --- 0.9 SW CEDARHURST [39.49, -76.89]				
	07/24/09 17:02 EST		0	Hail (0.75 in)
	07/24/09 17:02 EST		0	Source: Public
Penny size hail was reported in Finksburg.				
WASHINGTON COUNTY --- 2.5 WSW GRIMES [39.51, -77.81]				
	07/24/09 17:08 EST		0	Thunderstorm Wind (EG 50 kt)
	07/24/09 17:08 EST		0	Source: Fire Department/Rescue
Trees and wires were down near Grimes.				
FREDERICK COUNTY --- 0.9 SE MIDDLETOWN [39.44, -77.54]				
	07/24/09 17:40 EST		0	Thunderstorm Wind (MG 51 kt)
	07/24/09 17:40 EST		0	Source: Mesonet
A wind gust of 59 mph was measured in Middletown.				
HARFORD COUNTY --- SEWELL [39.47, -76.25]				
	07/24/09 18:00 EST		0	Hail (0.75 in)
	07/24/09 18:00 EST		0	Source: Trained Spotter
Penny size hail was reported in Sewell.				
A trough of low pressure over the region caused showers and thunderstorms to develop. There was enough cold air aloft for some thunderstorms to become severe.				
ST. MARY'S COUNTY --- 0.5 W ST INIGOES [38.15, -76.41]				
	07/26/09 14:37 EST		0	Hail (0.75 in)
	07/26/09 14:37 EST		0	Source: Trained Spotter
Penny size hail was reported Saint Inigoes.				
ST. MARY'S COUNTY --- DAMERON [38.15, -76.37]				
	07/26/09 14:38 EST		0	Hail (0.75 in)
	07/26/09 14:38 EST		0	Source: Trained Spotter
Penny size hail was reported in Dameron.				
FREDERICK COUNTY --- 1.1 W PLEASANT VIEW [39.28, -77.52]				
	07/26/09 15:51 EST		0	Thunderstorm Wind (EG 55 kt)
	07/26/09 15:51 EST		0	Source: Newspaper
A large tree was down and there was structural damage to a machine shed.				
MONTGOMERY COUNTY --- 0.9 NW DICKERSON [39.23, -77.44]				

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	07/26/09 15:57 EST		0	Thunderstorm Wind (EG 55 kt)
	07/26/09 15:57 EST		0	Source: NWS Employee
Large trees were blown down. Large branches were also down along Route 28 near the Monocacy River Bridge.				
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HOWARD COUNTY --- 0.7 N LISBON [39.34, -77.07]				
	07/26/09 16:35 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/09 16:35 EST		0	Source: Trained Spotter
Trees were down along Route 94.				
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HOWARD COUNTY --- 0.7 N LISBON [39.34, -77.07]				
	07/26/09 16:38 EST		0	Hail (0.75 in)
	07/26/09 16:39 EST		0	Source: Fire Department/Rescue
Penny size hail was reported in Lisbon.				
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CARROLL COUNTY --- ELDERSBURG [39.40, -76.95]				
	07/26/09 16:52 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/09 16:52 EST		0	Source: Trained Spotter
Several tree branches were down in Eldersburg.				
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BALTIMORE COUNTY --- 0.2 S TYLER [39.43, -76.85]				
	07/26/09 17:05 EST		0	Thunderstorm Wind (EG 60 kt)
	07/26/09 17:05 EST		0	Source: Emergency Manager
Trees and power lines were down on Deer Park Road. A tree fell onto a house.				
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BALTIMORE COUNTY --- 0.6 SW DELIGHT [39.42, -76.83]				
	07/26/09 17:05 EST		0	Thunderstorm Wind (EG 55 kt)
	07/26/09 17:05 EST		0	Source: Emergency Manager
Trees and wires were down on Sunbrook Road.				
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BALTIMORE COUNTY --- 0.9 SE HOLBROOK [39.39, -76.84]				
	07/26/09 17:05 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/09 17:05 EST		0	Source: Trained Spotter
A tree was blown down on Lyons Mill Road.				
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BALTIMORE COUNTY --- 1.1 W TYLER [39.43, -76.87]				
	07/26/09 17:05 EST		0	Thunderstorm Wind (EG 50 kt)
	07/26/09 17:05 EST		0	Source: Emergency Manager
Trees and power lines were down on Deer Park Road.				
<hr/>				
BALTIMORE COUNTY --- 1.6 W TYLER [39.43, -76.88]				
	07/26/09 17:05 EST		0	Thunderstorm Wind (EG 60 kt)
	07/26/09 17:05 EST		0	Source: Emergency Manager
Numerous trees were down. Trees fell on houses in the Church Road Area.				
<hr/>				
BALTIMORE COUNTY --- 0.7 E TYLER [39.43, -76.84]				
	07/26/09 17:06 EST		0	Thunderstorm Wind (EG 60 kt)
	07/26/09 17:06 EST		0	Source: Emergency Manager
Numerous trees were down and trees fell on houses at the intersection of Berrymans and Church Road.				
<hr/>				
BALTIMORE COUNTY --- 0.8 N DELIGHT [39.44, -76.82]				
	07/26/09 17:06 EST		0	Thunderstorm Wind (EG 60 kt)
	07/26/09 17:06 EST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Trees and power lines were down on Cherry Hill Court. A tree fell on a house.				
BALTIMORE COUNTY --- 0.9 SW OWINGS MILLS [39.41, -76.79]				
	07/26/09 17:06 EST	0		Thunderstorm Wind (EG 50 kt)
	07/26/09 17:06 EST	0		Source: Law Enforcement
Multiple trees were down in Owings Mills.				
HARFORD COUNTY --- 1.6 W LAUREL BROOK [39.52, -76.46]				
	07/26/09 17:14 EST	0		Hail (1.75 in)
	07/26/09 17:14 EST	0		Source: Trained Spotter
Golf ball size hail was reported near Fallston.				
BALTIMORE COUNTY --- 0.5 E BELLTOWN [39.43, -76.79]				
	07/26/09 17:17 EST	0		Hail (0.75 in)
	07/26/09 17:17 EST	0		Source: Trained Spotter
Penny size hail was reported in Owings Mills.				
HARFORD COUNTY --- 0.7 S GIBSON [39.57, -76.33]				
	07/26/09 18:02 EST	0		Thunderstorm Wind (EG 50 kt)
	07/26/09 18:02 EST	0		Source: Emergency Manager
A large tree was blown onto power lines near Hickory.				
HARFORD COUNTY --- 0.9 SE GIBSON [39.57, -76.32]				
	07/26/09 18:02 EST	0		Hail (1.00 in)
	07/26/09 18:02 EST	0		Source: Trained Spotter
Quarter size hail was reported near Hickory.				
HARFORD COUNTY --- 0.9 SE GIBSON [39.57, -76.32]				
	07/26/09 18:02 EST	0		Thunderstorm Wind (EG 50 kt)
	07/26/09 18:02 EST	0		Source: Emergency Manager
A large tree was blown onto power lines near Hickory.				
HARFORD COUNTY --- 1.6 W FOUNTAIN GREEN [39.55, -76.33]				
	07/26/09 18:04 EST	0		Hail (0.75 in)
	07/26/09 18:04 EST	0		Source: Trained Spotter
Penny size hail was reported near Bel Air.				
HARFORD COUNTY --- LAPIDUM [39.60, -76.13]				
	07/26/09 18:24 EST	0		Thunderstorm Wind (EG 60 kt)
	07/26/09 18:24 EST	0		Source: Emergency Manager
Trees were topped and numerous branches were snapped. Trees two to three feet in diameter were blown down with power outages reported.				
An upper-level low over the Great lakes provided cooler air aloft. The warm and humid air at the surface combined with the cooler air aloft to allow for an unstable atmosphere. Showers and thunderstorms popped up on the 26th over Maryland. The winds aloft were strong enough for some thunderstorms to become severe.				
ALLEGANY COUNTY --- 0.6 SW OLDTOWN [39.54, -78.63], 4.2 W GREEN RANGE STATION [39.61, -78.51]				
	07/29/09 13:48 EST	0		Tornado (EF0, L: 5.30 mi , W: 100 yd)
	07/29/09 14:05 EST	0		Source: NWS Storm Survey
Damage to trees, telephone poles, and structures were surveyed near the intersection of Old Braddock Trail and Brookstree Lane.				
Dozens of trees were uprooted along Wagner Road as well as Oldtown Cemetery Road and Lower Town Creek Road.				

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALLEGANY COUNTY --- 1.1 W LITTLE ORLEANS [39.63, -78.40]				
	07/29/09 14:20 EST		0	Thunderstorm Wind (EG 50 kt)
	07/29/09 14:20 EST		0	Source: Trained Spotter
Trees were down near Little Orleans.				
ALLEGANY COUNTY --- 0.5 SSW BELLE GROVE [39.69, -78.33], 0.5 E BELLE GROVE [39.70, -78.32]				
	07/29/09 14:29 EST		0	Tornado (EF0, L: 0.80 mi , W: 50 yd)
	07/29/09 14:31 EST		0	Source: Emergency Manager
A funnel cloud was observed in association with tree damage near Whitfield Road.				
A potent cold front approached Maryland on the 29th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.				
FREDERICK COUNTY --- 2.5 ESE PARK MILLS [39.28, -77.38]				
	07/31/09 13:05 EST		0	Thunderstorm Wind (EG 60 kt)
	07/31/09 13:05 EST		0	Source: NWS Storm Survey
Several trees were uprooted along with large tree limbs near Park Mills.				
FREDERICK COUNTY --- 1.3 WNW FREDERICK JCT [39.39, -77.42]				
	07/31/09 13:06 EST		0	Thunderstorm Wind (EG 56 kt)
	07/31/09 13:06 EST		0	Source: Mesonet
A wind gust of 56 knots was estimated at Crestwood Middle School.				
FREDERICK COUNTY --- 1.6 NNW URBANA [39.35, -77.36], 0.7 E IJAMSVILLE [39.37, -77.32]				
	07/31/09 13:06 EST		0	Tornado (EF1, L: 2.60 mi , W: 125 yd)
	07/31/09 13:13 EST		0	Source: NWS Storm Survey
Sporadic tree damage was noted along Tabler Road, where large branches were broken from hardwood trees. The circulation impacted several residences along Ball Road between Tabler Road and Ijamsville Road. One residence suffered roof structure damage and broken windows. In this location the roof was uplifted and shifted northward. An air conditioner unit on the north side of the home was lifted and transported fifteen feet to the east.				
Many trees were snapped along Mussetter Road. A large home suffered roof damage and structural damage and a barn was destroyed.				
A second residence also experienced an uplift of roofing. Several metal-sided barns were also destroyed.				
FREDERICK COUNTY --- 1.2 SSW IJAMSVILLE [39.35, -77.34], 1.4 W MONROVIA [39.37, -77.30]				
	07/31/09 13:08 EST		0	Tornado (EF1, L: 2.60 mi , W: 350 yd)
	07/31/09 13:14 EST		0	Source: NWS Storm Survey
Several trees were snapped or uprooted along Ijamsville Road and Price Distillery Road. Several hundred hardwood and softwood trees were snapped or uprooted along Whiskey Road and Whiskey Court. One home bearing specialty shingles to withstand winds up to 100 mph suffered some dislodging of its shingles. A clubhouse on the golf Course also lost many shingles from its roof.				
MONTGOMERY COUNTY --- HYATTSTOWN [39.28, -77.32]				
	07/31/09 13:11 EST		0	Thunderstorm Wind (MG 52 kt)
	07/31/09 13:11 EST		0	Source: Mesonet
A wind gust of 52 knots was measured at Interstate 270 and Maryland Route 109.				
MONTGOMERY COUNTY --- 0.7 S HYATTSTOWN [39.27, -77.32]				
	07/31/09 13:12 EST		0	Thunderstorm Wind (EG 52 kt)
	07/31/09 13:12 EST		0	Source: Amateur Radio
Several one inch limbs were down from thunderstorm winds near Clarksburg.				
CARROLL COUNTY --- 0.9 SE MT AIRY [39.37, -77.14]				

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/31/09 13:24 EST		0	Thunderstorm Wind (EG 60 kt)
	07/31/09 13:24 EST		0	Source: Amateur Radio
Nine large hardwood trees were down near Mount Airy.				
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CARROLL COUNTY --- 1.6 N WESTMINSTER CLR VW AR [39.49, -77.02]				
	07/31/09 13:30 EST		0	Thunderstorm Wind (EG 56 kt)
	07/31/09 13:30 EST		0	Source: Emergency Manager
Trees and power lines were down at Salem Bottom Road and Bloom Road.				
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HOWARD COUNTY --- 0.7 NNE GLENWOOD [39.29, -77.03]				
	07/31/09 13:31 EST		0	Thunderstorm Wind (EG 52 kt)
	07/31/09 13:31 EST		0	Source: Emergency Manager
Multiple trees were down along Route 97 including at the intersection of Cattail Creek Drive.				
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CARROLL COUNTY --- 0.4 NNW GAMBER [39.48, -76.95]				
	07/31/09 13:40 EST		0	Thunderstorm Wind (EG 60 kt)
	07/31/09 13:40 EST		0	Source: Emergency Manager
Trees and power lines were down on Klee Mill Road near Sykesville Road.				
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CARROLL COUNTY --- 1.8 NNE GAMBER [39.49, -76.93], 1.0 WSW FINKSBURG [39.49, -76.92]				
	07/31/09 13:40 EST		0	Tornado (EF0, L: 0.92 mi , W: 100 yd)
	07/31/09 13:43 EST		0	Source: NWS Storm Survey
A large tree limb was down just west of Deer Park Road. Two pine trees were down on the westernmost portion of Constellation Way. Two residents suffered a significant loss of roof covering material. Several pine trees were uprooted at several locations along with numerous tree limbs broken. A portion of a corn field was blown over along Kays Mill Road.				
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HOWARD COUNTY --- 0.3 SSW ALPHA [39.33, -76.93], 1.3 E ALPHA [39.33, -76.91]				
	07/31/09 13:40 EST		0	Thunderstorm Wind (EG 65 kt)
	07/31/09 13:43 EST		0	Source: NWS Storm Survey
Numerous trees were down near Alpha.				
<hr/>				
CARROLL COUNTY --- 0.9 SW LAWDALE [39.51, -76.89]				
	07/31/09 13:41 EST		0	Thunderstorm Wind (EG 60 kt)
	07/31/09 13:41 EST		0	Source: Public
Damage was reported to mobile homes near Finksburg.				
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HOWARD COUNTY --- 0.3 S ALPHA [39.33, -76.93], 0.2 SSE ALPHA [39.33, -76.93]				
	07/31/09 13:42 EST		0	Tornado (EF1, L: 0.10 mi , W: 50 yd)
	07/31/09 13:43 EST		0	Source: NWS Storm Survey
Numerous trees were down.				
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BALTIMORE CITY (C) COUNTY --- 1.5 SSW LEAHIGH [39.35, -76.71], 1.5 SSE RASPEBURG [39.35, -76.53]				
	07/31/09 13:58 EST		0	Thunderstorm Wind (EG 50 kt)
	07/31/09 14:10 EST		0	Source: Trained Spotter
Numerous trees were down across the northern portion of Baltimore.				
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HARFORD COUNTY --- 0.6 NW SWAN CREEK [39.53, -76.14]				
	07/31/09 14:05 EST		0	Thunderstorm Wind (EG 55 kt)
	07/31/09 14:05 EST		0	Source: Emergency Manager
Trees were down along Pulaski Highway near Oakington Road.				
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HARFORD COUNTY --- 0.8 ESE HAVRE DE GRACE [39.55, -76.09]				

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/31/09 14:08 EST		0	Thunderstorm Wind (EG 55 kt)
	07/31/09 14:08 EST		0	Source: Mariner

Boats were damaged due to thunderstorm winds.

ANNE ARUNDEL COUNTY --- 0.5 E SEVERNA PARK [39.07, -76.54]

	07/31/09 14:20 EST		0	Thunderstorm Wind (EG 50 kt)
	07/31/09 14:20 EST		0	Source: Trained Spotter

A tree top fell into the driveway and large branches were down along Cypress Creek.

ANNE ARUNDEL COUNTY --- 0.9 NNE ARNOLD [39.04, -76.50]

	07/31/09 14:29 EST		0	Thunderstorm Wind (EG 55 kt)
	07/31/09 14:29 EST		0	Source: Trained Spotter

Trees were down in Arnold due to thunderstorm winds.

HARFORD COUNTY --- 1.1 E ABERDEEN ARPT [39.50, -76.16]

	07/31/09 14:33 EST		0	Thunderstorm Wind (EG 50 kt)
	07/31/09 14:33 EST		0	Source: Emergency Manager

Trees were down at 20 Swan Street.

A cold front and its associated trough of low pressure triggered showers and thunderstorms across Maryland. A southwest flow ahead of the front ushered in plenty of moisture from the Gulf of Mexico, resulting in an unstable atmosphere. The moderate amounts of instability combined with the forcing from the front and strong winds aloft for some thunderstorms to become severe.

VIRGINIA, North

FREDERICK COUNTY --- 1.4 S BRUCETOWN [39.23, -78.07]

	07/01/09 16:24 EST		0	Thunderstorm Wind (EG 50 kt)
	07/01/09 16:24 EST		0	Source: Public

Trees were down near Stephenson.

A potent cold front passed through Virginia on the first. Ahead of the front, plenty of moisture lead to unstable conditions. The instability combined with the forcing from the front to trigger showers and thunderstorms. There was enough instability ahead of the front for an isolated thunderstorm to become severe.

NELSON COUNTY --- 0.6 W SHIPMAN [37.72, -78.86]

	07/12/09 14:09 EST		0	Thunderstorm Wind (EG 55 kt)
	07/12/09 14:09 EST		0	Source: Public

Several trees were uprooted and numerous large branches were snapped near Shipman.

A weak boundary remained over Virginia on the 12th. This combined with moderate amounts of instability to trigger scattered showers and thunderstorms. An isolated thunderstorm did become severe across central Virginia.

SPOTSYLVANIA COUNTY --- 0.5 E MARYE [38.08, -77.57]

	07/16/09 17:09 EST		0	Thunderstorm Wind (EG 50 kt)
	07/16/09 17:09 EST		0	Source: Public

Large tree limbs were down near Marye.

An upper-level low over the Great Lakes provided an unstable atmosphere due to cold air aloft. Scattered showers and thunderstorms developed, and an isolated thunderstorm did become severe across central Virginia.

ORANGE COUNTY --- 2.2 E PIERCES SHOP [38.23, -78.01]

	07/17/09 19:02 EST		0	Thunderstorm Wind (EG 50 kt)
	07/17/09 19:02 EST		0	Source: Trained Spotter

Large tree limbs were down near Nasons.

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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An upper-level low over the Great Lakes provided and unstable atmosphere due to cold air aloft. Scattered showers and thunderstorms developed, and an isolated thunderstorm did become severe across central Virginia.

SHENANDOAH COUNTY --- 1.6 NE NEW MARKET [38.67, -78.65]

	07/25/09 15:50 EST	0		Thunderstorm Wind (EG 61 kt)
	07/25/09 15:50 EST	0		Source: NWS Storm Survey

A roof was blown off a building and several mature trees were down. Storm survey determined that damage was a result of a microburst with winds up to 70 mph.

CULPEPER COUNTY --- 2.2 E WHITE SHOP [38.44, -78.03], 2.3 SSE CULPEPER [38.45, -77.99]

	07/25/09 18:04 EST	0		Thunderstorm Wind (EG 50 kt)
	07/25/09 18:09 EST	0		Source: Department of Highways

Trees were down along with a highway sign near Route 15 and Route 29.

Scattered showers and thunderstorms developed ahead of a cold front. There was enough instability during the afternoon for a couple thunderstorms to become severe.

FREDERICK COUNTY --- 1.5 NW BARTONVILLE [39.13, -78.24]

	07/26/09 14:37 EST	0		Hail (1.00 in)
	07/26/09 14:37 EST	0		Source: Trained Spotter

Nickel to quarter size hail was reported on Brookneil Drive.

FREDERICK COUNTY --- 1.5 NW BARTONVILLE [39.13, -78.24]

	07/26/09 14:37 EST	0		Thunderstorm Wind (EG 50 kt)
	07/26/09 14:37 EST	0		Source: Trained Spotter

An tree eighteen inches in diameter was down on Brookneil Drive.

FREDERICK COUNTY --- 1.3 NNW WINCHESTER ARPT [39.17, -78.16]

	07/26/09 14:41 EST	0		Hail (0.75 in)
	07/26/09 14:41 EST	0		Source: Amateur Radio

Penny size hail was reported on Route 50 at 522.

CLARKE COUNTY --- 4.2 S WADESVILLE [39.19, -78.03]

	07/26/09 14:53 EST	0		Hail (0.75 in)
	07/26/09 14:53 EST	0		Source: Amateur Radio

Penny size hail was reported about three miles west of Stringtown.

FREDERICK COUNTY --- 3.8 E BURNING KNOLLS [39.17, -78.06]

	07/26/09 14:53 EST	0		Hail (0.75 in)
	07/26/09 14:53 EST	0		Source: Amateur Radio

Penny size hail was reported about six miles east of Winchester.

LOUDOUN COUNTY --- 2.8 WSW HILLSBORO [39.19, -77.77]

	07/26/09 15:23 EST	0		Thunderstorm Wind (EG 50 kt)
	07/26/09 15:23 EST	0		Source: Trained Spotter

A tree along with large branches were down near Hillsboro.

LOUDOUN COUNTY --- 2.1 NNW WHEATLAND [39.21, -77.68]

	07/26/09 15:30 EST	0		Hail (0.75 in)
	07/26/09 15:30 EST	0		Source: Trained Spotter

Penny size hail was reported near Hillsboro.

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

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/26/09 15:32 EST		0	Hail (0.88 in)
	07/26/09 15:32 EST		0	Source: Trained Spotter

Nickel size hail was reported near Hillsboro.

LOUDOUN COUNTY --- 2.6 NE WHEATLAND [39.21, -77.64]

	07/26/09 15:37 EST		0	Hail (1.00 in)
	07/26/09 15:37 EST		0	Source: Amateur Radio

Quarter size hail was reported near Waterford.

LOUDOUN COUNTY --- 0.5 W LOVETTSVILLE [39.27, -77.64]

	07/26/09 15:47 EST		0	Hail (0.75 in)
	07/26/09 15:47 EST		0	Source: Amateur Radio

Penny size hail was reported in Lovettsville.

LOUDOUN COUNTY --- 1.1 W LUCKETTS [39.22, -77.55]

	07/26/09 15:47 EST		0	Hail (1.00 in)
	07/26/09 15:47 EST		0	Source: Amateur Radio

Penny size hail was reported near Lucketts.

An upper-level low over the Great lakes provided cooler air aloft. The warm and humid air at the surface combined with the cooler air aloft to allow for an unstable atmosphere. Showers and thunderstorms popped up on the 26th over Virginia. The winds aloft were strong enough for some thunderstorms to become severe.

FAUQUIER COUNTY --- 0.9 SE HOPEWELL [38.86, -77.71]

	07/27/09 20:30 EST		0	Thunderstorm Wind (EG 50 kt)
	07/27/09 20:30 EST		0	Source: Emergency Manager

Several trees are down at Highway 50 and Bunker Hill Road.

A cold front passed through Virginia on the 27th triggering scattered showers and thunderstorms. There was just enough instability ahead of the front for an isolated thunderstorm to become severe.

SPOTSYLVANIA COUNTY --- 2.7 W HOLLADAY [38.12, -77.92]

	07/29/09 15:45 EST		0	Thunderstorm Wind (EG 52 kt)
	07/29/09 15:45 EST		0	Source: Trained Spotter

A wind gust of 52 knots was measured near Holladay.

SPOTSYLVANIA COUNTY --- 2.1 ENE BELMONT [38.17, -77.84]

	07/29/09 15:55 EST		0	Thunderstorm Wind (EG 50 kt)
	07/29/09 15:55 EST		0	Source: Trained Spotter

A tree one foot in diameter was blown down at Lawyers Road and Jones Powell Road.

A potent cold front approached Virginia on the 29th. Showers and thunderstorms developed ahead of the cold front. Strong winds aloft combined with instability ahead of the front for some thunderstorms to become severe.

WEST VIRGINIA, East

BERKELEY COUNTY --- 2.8 WNW MARLOWE [39.59, -77.92]

	07/11/09 14:05 EST		0	Hail (1.00 in)
	07/11/09 14:05 EST		0	Source: Trained Spotter

Quarter size hail was reported near Falling Waters.

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

Storm Data and Unusual Weather Phenomena - July 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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PENDLETON COUNTY --- 0.9 NW HARPER MILL [38.74, -79.44]				
	07/21/09 14:32 EST		0	Hail (0.75 in)
	07/21/09 14:34 EST		0	Source: Trained Spotter
Penny size hail was reported in Riverton.				
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PENDLETON COUNTY --- 3.2 NNW FRANKLIN [38.69, -79.36]				
	07/21/09 15:04 EST		0	Hail (0.88 in)
	07/21/09 15:09 EST		0	Source: Trained Spotter
Nickel size hail was reported near Franklin.				
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PENDLETON COUNTY --- 1.3 WSW FRANKLIN [38.64, -79.35]				
	07/21/09 15:13 EST		0	Hail (0.75 in)
	07/21/09 15:13 EST		0	Source: Trained Spotter
Penny size hail was reported near Franklin.				
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PENDLETON COUNTY --- 1.3 WSW FRANKLIN [38.64, -79.35]				
	07/21/09 15:13 EST		0	Thunderstorm Wind (MG 60 kt)
	07/21/09 15:13 EST		0	Source: Trained Spotter
A wind gust of 60 knots was measured near Franklin.				
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HARDY COUNTY --- OLDFIELDS [39.13, -78.95]				
	07/21/09 15:32 EST		0	Hail (0.75 in)
	07/21/09 15:32 EST		0	Source: Public
Penny size hail was reported near Old Fields.				
<p>A surface boundary remained over West Virginia while a south-southeast flow aloft pumped in plenty of moisture from the Gulf of Mexico and the Atlantic Ocean. The moisture lead to unstable conditions and the surface boundary combined with the instability to trigger showers and thunderstorms. Some thunderstorms were severe, causing damaging winds and large hail.</p>				