

Storm Data and Unusual Weather Phenomena - November 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	11/17/10 00:24 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	11/17/10 00:24 EST	0		Source: ASOS
A wind gust of 36 knots was reported at Quantico.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 E (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.03]				
	11/17/10 00:48 EST	0		Marine Thunderstorm Wind (MG 47 kt)
	11/17/10 00:48 EST	0		Source: ASOS
A wind gust of 47 knots was reported at Reagan National.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 4.1 SSE WEST POTOMAC HIGH SCHOOL [38.73, -77.04]				
	11/17/10 00:50 EST	0		Marine Thunderstorm Wind (MG 50 kt)
	11/17/10 00:50 EST	0		Source: Buoy
A wind gust of 50 knots was reported at the Upper Potomac Buoy.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.8 N US NAVAL ACADEMY [38.99, -76.49]				
	11/17/10 01:26 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	11/17/10 01:26 EST	0		Source: ASOS
A wind gust of 35 knots was measured Annapolis.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.1 NE SANDY POINT [39.01, -76.40]				
	11/17/10 01:30 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	11/17/10 01:30 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Sandy Point.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]				
	11/17/10 01:30 EST	0		Marine Thunderstorm Wind (MG 40 kt)
	11/17/10 01:30 EST	0		Source: Buoy
A wind gust of 40 knots was reported at Key Bridge.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.1 NNW PATAPSCO BUOY [39.15, -76.39]				
	11/17/10 01:34 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	11/17/10 01:34 EST	0		Source: Buoy
A wind gust of 35 knots was measured at the Patapsco Buoy.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 0.3 WSW KENT ISLAND [38.92, -76.36]				
	11/17/10 01:36 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	11/17/10 01:36 EST	0		Source: Mesonet
A wind gust of 42 knots was measured at Kent Island.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.3 NNW MID BAY BUOY [38.56, -76.41]				
	11/17/10 01:47 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	11/17/10 01:47 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at the Gooses Reef Buoy.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.7 SSW PATUXENT RIVER ASOS [38.28, -76.41]				
	11/17/10 01:49 EST	0		Marine Thunderstorm Wind (MG 42 kt)
	11/17/10 01:49 EST	0		Source: ASOS
A wind gust of 42 knots was measured at Patuxent River.				

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CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]				
	11/17/10 01:50 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	11/17/10 01:50 EST		0	Source: Buoy

A wind gust of 38 knots was reported at Cove Point.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.2 WNW POINT LOOKOUT [38.04, -76.32]				
	11/17/10 01:50 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	11/17/10 01:50 EST		0	Source: Mesonet

A wind gust of 35 knots was reported at Point Lookout.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 NE POTOMAC BUOY [38.03, -76.34]				
	11/17/10 01:50 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	11/17/10 01:50 EST		0	Source: Buoy

A wind gust in excess 30 knots was reported the Potomac Buoy.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 6.7 ENE BALTIMORE APPROACHES BUOY [39.21, -76.25]				
	11/17/10 01:52 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	11/17/10 01:52 EST		0	Source: Mesonet

A wind gust of 34 knots was measured at Tolchester Beach.

CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 0.4 NW SUSQUEHANNA [39.54, -76.07]				
	11/17/10 02:02 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	11/17/10 02:02 EST		0	Source: Buoy

A wind gust in excess of 30 knots was reported at Susquehanna Buoy.

A strong cold front passed through the waters during the early morning hours of the 17th. A strong southerly flow ahead of the cold front transported plenty of moisture into the area allowing for limited instability to develop. Strong forcing associated with the frontal passage combined with limited instability to trigger showers and thunderstorms. Thunderstorms were able to mix down gusty winds from aloft.

DISTRICT OF COLUMBIA

DISTRICT OF COLUMBIA COUNTY --- 1.3 NE TENLEYTOWN [38.96, -77.05]				
	11/17/10 00:45 EST		1K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:45 EST		0	Source: Fire Department/Rescue

Trees were down along the 5700 Block of Oregon Avenue.

DISTRICT OF COLUMBIA COUNTY --- 1.0 WNW GEORGETOWN [38.92, -77.07]				
	11/17/10 00:50 EST		1K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:50 EST		0	Source: Broadcast Media

Massachusetts Avenue was closed between 34th and 35th street due to a downed tree.

DISTRICT OF COLUMBIA COUNTY --- 0.8 SSE BROOKLAND [38.92, -76.99]				
	11/17/10 00:52 EST		10K	Thunderstorm Wind (EG 78 kt)
	11/17/10 00:52 EST		0	Source: Broadcast Media

A cinder block wall collapsed and there was also roof damage to a Big Box retail store in the Brentwood area.

A strong cold front passed through the region during the early morning morning hours of the 17th. A strong southerly flow ahead of the cold front transported plenty of moisture into the area allowing for limited instability to develop. Strong forcing associated with the frontal passage combined with limited instability to trigger showers and thunderstorms. Thunderstorms were able to mix down very strong winds aloft causing damaging winds across some locations.

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MARYLAND, Central				
PRINCE GEORGE'S COUNTY --- 0.7 SW SILESIA [38.72, -77.01]				
	11/17/10 00:45 EST		3K	Thunderstorm Wind (EG 70 kt)
	11/17/10 00:45 EST		0	Source: Emergency Manager
Trees were down near Tantallon.				
PRINCE GEORGE'S COUNTY --- DANVILLE [38.68, -76.92]				
	11/17/10 00:50 EST		2K	Thunderstorm Wind (EG 65 kt)
	11/17/10 00:50 EST		0	Source: Emergency Manager
Trees were down near Danville.				
CHARLES COUNTY --- 0.7 E ST CHARLES [38.60, -76.91]				
	11/17/10 00:52 EST		1K	Thunderstorm Wind (EG 50 kt)
	11/17/10 00:52 EST		0	Source: Fire Department/Rescue
A tree was down at Smallwood Drive and St Charles Parkway.				
MONTGOMERY COUNTY --- 0.6 NW KEMP MILL [39.04, -77.03]				
	11/17/10 00:53 EST		3K	Thunderstorm Wind (EG 61 kt)
	11/17/10 00:53 EST		0	Source: Broadcast Media
Arcola Avenue was closed due to downed trees.				
PRINCE GEORGE'S COUNTY --- 1.0 WNW CLINTON [38.78, -76.92]				
	11/17/10 00:53 EST		3K	Thunderstorm Wind (EG 70 kt)
	11/17/10 00:53 EST		0	Source: Emergency Manager
Trees were down near Clinton.				
PRINCE GEORGE'S COUNTY --- 1.8 ENE CLINTON [38.78, -76.87]				
	11/17/10 00:55 EST		2K	Thunderstorm Wind (EG 61 kt)
	11/17/10 00:55 EST		0	Source: Emergency Manager
Trees were down near Coles Corner.				
PRINCE GEORGE'S COUNTY --- CHILLUM [38.97, -77.00]				
	11/17/10 00:55 EST		1K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:55 EST		0	Source: Emergency Manager
A tree was down in Chillum.				
PRINCE GEORGE'S COUNTY --- 1.0 N BRIGHTSEAT [38.93, -76.85]				
	11/17/10 00:59 EST		1K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:59 EST		0	Source: Emergency Manager
A tree was down near the Tyrol Estates. .				
PRINCE GEORGE'S COUNTY --- 1.0 N DULEY [38.76, -76.80]				
	11/17/10 00:59 EST		2K	Thunderstorm Wind (EG 65 kt)
	11/17/10 00:59 EST		0	Source: Emergency Manager
Trees were down near Fairgreen.				
PRINCE GEORGE'S COUNTY --- SEABROOK [38.97, -76.85]				
	11/17/10 01:02 EST		1K	Thunderstorm Wind (EG 52 kt)
	11/17/10 01:02 EST		0	Source: Emergency Manager
A tree was down near Seabrook Acres.				

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PRINCE GEORGE'S COUNTY --- KETTERING [38.92, -76.83]				
	11/17/10 01:04 EST		2K	Thunderstorm Wind (EG 61 kt)
	11/17/10 01:04 EST		0	Source: Emergency Manager
Trees were down in Kettering.				
PRINCE GEORGE'S COUNTY --- 1.0 SSW MONTPELIER [39.06, -76.88]				
	11/17/10 01:05 EST		1K	Thunderstorm Wind (EG 52 kt)
	11/17/10 01:05 EST		0	Source: Emergency Manager
A tree was down near Montpelier Hills.				
HOWARD COUNTY --- 0.7 N SCAGGSVILLE [39.16, -76.90]				
	11/17/10 01:09 EST		0	Thunderstorm Wind (MG 50 kt)
	11/17/10 01:09 EST		0	Source: Mesonet
A wind gust of 50 knots was measured near Flamewood.				
ANNE ARUNDEL COUNTY --- 2.4 W HARWOOD [38.88, -76.66]				
	11/17/10 01:12 EST		5K	Thunderstorm Wind (EG 61 kt)
	11/17/10 01:12 EST		0	Source: Public
Numerous trees have fallen and snapped.				
ANNE ARUNDEL COUNTY --- 0.4 ESE ANNAPOLIS LEE FLD AR [38.95, -76.56]				
	11/17/10 01:18 EST		2K	Thunderstorm Wind (EG 61 kt)
	11/17/10 01:18 EST		0	Source: Public
Large branches and old trees were down at Chinquapin Crest.				
ANNE ARUNDEL COUNTY --- 0.6 SSE ANNAPOLIS LEE FLD AR [38.94, -76.57]				
	11/17/10 01:18 EST		10K	Thunderstorm Wind (EG 78 kt)
	11/17/10 01:18 EST		0	Source: Public
Winds moved multiple secured airplanes from their parking lots at Lee Airport. One plane was significantly damaged.				
ANNE ARUNDEL COUNTY --- 1.0 W HIGHLAND BEACH [38.93, -76.49]				
	11/17/10 01:25 EST		3K	Thunderstorm Wind (EG 61 kt)
	11/17/10 01:25 EST		0	Source: Public
Numerous trees were down along Bay View Drive.				
BALTIMORE CITY (C) COUNTY --- 0.8 WSW GARDENVILLE [39.35, -76.58], 0.2 N RASPEBURG [39.37, -76.55]				
	11/17/10 01:30 EST		10K	Thunderstorm Wind (EG 78 kt)
	11/17/10 01:35 EST		0	Source: NWS Storm Survey
Numerous trees were down near Morgan State University. The path of tree damage continued to the northeast into southern Baltimore County.				
BALTIMORE CITY (C) COUNTY --- 1.1 WSW RASPEBURG [39.37, -76.57], 0.8 W RASPEBURG [39.37, -76.57]				
	11/17/10 01:35 EST		0.20M	Tornado (EF1, L: 0.10 mi , W: 175 yd)
	11/17/10 01:35 EST	3	0	Source: NWS Storm Survey
Three of the units in the Dutch Village Apartment complex had their roofs blown off. There was also extensive tree damage across the area and several cars were shifted by the force of the wind.				
Three minor injuries were reported in Baltimore. One of those was a child. The path of the tornado continued into Baltimore County.				
BALTIMORE COUNTY --- 0.6 S PARKVILLE [39.37, -76.55], 1.6 N KINGSVILLE [39.47, -76.42]				
	11/17/10 01:35 EST		10K	Thunderstorm Wind (EG 78 kt)
	11/17/10 01:44 EST		0	Source: NWS Storm Survey

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Numerous trees were down from thunderstorm wind gusts from the city of Baltimore northeast to Gunpowder Falls State Park.				
BALTIMORE COUNTY --- 1.0 SW PARKVILLE [39.37, -76.57], 0.6 WSW PARKVILLE [39.38, -76.56]				
	11/17/10 01:35 EST		50K	Tornado (EF1, L: 0.33 mi , W: 250 yd)
	11/17/10 01:35 EST		0	Source: NWS Storm Survey

The damage was centered on the Perring Parkway Shopping Center in Parkville. Evidence of the tornado included retail property surveillance cameras which showed debris blowing in different directions. Trees and light poles were falling in a convergent pattern and leaf spatter was noted on all four sides of automobiles and structures.

BALTIMORE COUNTY --- 1.0 WSW PARKVILLE [39.38, -76.57]				
	11/17/10 01:40 EST		15K	Thunderstorm Wind (EG 70 kt)
	11/17/10 01:40 EST		0	Source: Emergency Manager

Multiple trees were down near Hillendale. Trees fell onto a couple houses.

BALTIMORE COUNTY --- 0.8 NNW FRANKLINVILLE [39.46, -76.40]				
	11/17/10 01:43 EST		0	Thunderstorm Wind (EG 56 kt)
	11/17/10 01:43 EST		0	Source: Trained Spotter

A wind gust of 65 mph was estimated by a trained spotter.

A strong cold front passed through the region late during the early morning morning hours of the 17th. A strong southerly flow ahead of the cold front transported plenty of moisture into the area allowing for limited instability to develop. Strong forcing associated with the frontal passage combined with limited instability to trigger showers and thunderstorms. Thunderstorms were able to mix down very strong winds aloft causing damaging winds across some locations.

(MD-Z501) EXTREME WESTERN ALLEGANY				
	11/24/10 21:00 EST		0	Winter Weather
	11/25/10 12:00 EST		0	

High pressure centered over New England wedged into the Mid-Atlantic on the 24th. A storm system developed over the central portion of the nation and the warm front associated with this system triggered wintry precipitation across western Maryland. High pressure kept enough low-level cold air in place for freezing rain across portions of western Maryland.

VIRGINIA, North

SPOTSYLVANIA COUNTY --- 1.6 ESE WILDERNESS CORNER [38.31, -77.67]				
	11/16/10 23:55 EST		0.50K	Thunderstorm Wind (EG 61 kt)
	11/16/10 23:55 EST		0	Source: Trained Spotter

Two tree limbs that were two inches in diameter were down at the intersection of Orange Plank Road and Plank Road.

STAFFORD COUNTY --- 1.0 SE RUBY [38.49, -77.51]				
	11/17/10 00:08 EST		2K	Thunderstorm Wind (EG 70 kt)
	11/17/10 00:08 EST		0	Source: Trained Spotter

Multiple trees were down in the Windsor Forest neighborhood.

STAFFORD COUNTY --- 1.0 SSE RUBY [38.49, -77.51]				
	11/17/10 00:08 EST		20K	Thunderstorm Wind (EG 70 kt)
	11/17/10 00:08 EST		0	Source: Trained Spotter

A tree that was twenty inches in diameter fell onto a house and jacuzzi. Trees were snapped twenty feet above the ground and 30 to 40 inch diameter trees were laid over.

PRINCE WILLIAM COUNTY --- 1.6 NNW WOODBRIDGE ARPT [38.70, -77.34]				
	11/17/10 00:18 EST		3K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:18 EST		0	Source: NWS Employee

Numerous branches were down near Laurel Hills. Two fully developed trees fell on Crest Maple Avenue.

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STAFFORD COUNTY --- 0.1 N SULLIVAN [38.32, -77.40]				
	11/17/10 00:18 EST		1.50K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:18 EST		0	Source: Trained Spotter
A few trees were down in the 100 Block of Brooke Road.				
FAUQUIER COUNTY --- 1.0 SW HALFWAY [38.91, -77.74]				
	11/17/10 00:30 EST		10K	Thunderstorm Wind (EG 70 kt)
	11/17/10 00:30 EST		0	Source: Emergency Manager
Trees were down near Halfway Road and Landmark Road. A barn was also displaced.				
FAIRFAX COUNTY --- 0.3 SE ILDA [38.83, -77.25]				
	11/17/10 00:35 EST		1K	Thunderstorm Wind (EG 52 kt)
	11/17/10 00:35 EST		0	Source: Fire Department/Rescue
A tree was down along the 8700 Block of Chippendale Road.				
LOUDOUN COUNTY --- 0.4 E ALDIE [38.97, -77.62]				
	11/17/10 00:37 EST		2K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:37 EST		0	Source: Broadcast Media
A tree fell onto a power pole on Route 50.				
FAIRFAX COUNTY --- 0.8 ESE SWINKS MILL [38.95, -77.19]				
	11/17/10 00:39 EST		5K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:39 EST		0	Source: Fire Department/Rescue
Trees were down on power lines along the 7000 Block of Churchill Road.				
ALEXANDRIA (C) COUNTY --- 2.5 W ALEXANDRIA [38.82, -77.13]				
	11/17/10 00:40 EST		10K	Thunderstorm Wind (EG 61 kt)
	11/17/10 00:40 EST		0	Source: Trained Spotter
A tree was knocked onto a car and several six inch limbs were also down near the intersection of Van Dorn Street and Taney Avenue.				
FAIRFAX COUNTY --- 0.6 NNE WEYANOKE [38.81, -77.17]				
	11/17/10 00:40 EST		1K	Thunderstorm Wind (EG 61 kt)
	11/17/10 00:40 EST		0	Source: Fire Department/Rescue
A tree was down in front of a home on Mitchell Street.				
ALEXANDRIA (C) COUNTY --- 0.8 ESE ALEXANDRIA [38.82, -77.07]				
	11/17/10 00:42 EST		1K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:42 EST		0	Source: Trained Spotter
Several four inch tree branches were down at the intersection of Russell Road and West Braddock Road.				
ALEXANDRIA (C) COUNTY --- 1.4 WNW ALEXANDRIA [38.82, -77.10]				
	11/17/10 00:42 EST		0.50K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:42 EST		0	Source: Trained Spotter
A tree limb that was six inches in diameter was down at the intersection of Seminary Road and Jordan Street.				
LOUDOUN COUNTY --- 1.2 SW WATSON [38.99, -77.60]				
	11/17/10 00:42 EST		1K	Thunderstorm Wind (EG 52 kt)
	11/17/10 00:42 EST		0	Source: Fire Department/Rescue
A tree fell onto the roadway near the intersection of Red Hill Road and Watson Road.				
ALEXANDRIA (C) COUNTY --- 1.1 E ALEXANDRIA [38.82, -77.06]				

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	11/17/10 00:43 EST		1.50K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:43 EST		0	Source: Trained Spotter

A tree eighteen inches in diameter fell onto lawn furniture.

ARLINGTON COUNTY --- 0.4 NNW ARLINGTON [38.88, -77.13]

	11/17/10 00:44 EST		15K	Thunderstorm Wind (EG 61 kt)
	11/17/10 00:44 EST		0	Source: Trained Spotter

Trees were down along the 5500 Block of North 14th Road in Arlington. Some of the trees fell onto cars.

A strong cold front passed through the region late during the evening of the 16th into the early morning morning hours of the 17th. A strong southerly flow ahead of the cold front transported plenty of moisture into the area allowing for limited instability to develop. Strong forcing associated with the frontal passage combined with limited instability to trigger showers and thunderstorms. Thunderstorms were able to mix down very strong winds aloft causing damaging winds across some locations.

WEST VIRGINIA, East

JEFFERSON COUNTY --- 3.0 WNW SHEPHERDSTOWN [39.44, -77.85]

	11/16/10 23:56 EST		0	Thunderstorm Wind (EG 61 kt)
	11/16/10 23:56 EST		0	Source: Public

A tree was down near Winebrenners Crossroad.

JEFFERSON COUNTY --- 0.8 E CHARLES TOWN [39.30, -77.83]

	11/16/10 23:58 EST		0	Thunderstorm Wind (MG 61 kt)
	11/16/10 23:58 EST		0	Source: Mesonet

A wind gust of 70 mph was measured near Brooke Haven.

JEFFERSON COUNTY --- 1.1 E CHARLES TOWN [39.30, -77.83]

	11/16/10 23:59 EST		0	Thunderstorm Wind (EG 61 kt)
	11/16/10 23:59 EST		0	Source: Trained Spotter

Damage was reported at retail stores along Patrick Henry way.

JEFFERSON COUNTY --- 1.2 W ENGLE [39.35, -77.80]

	11/17/10 00:01 EST		10K	Thunderstorm Wind (EG 56 kt)
	11/17/10 00:01 EST		0	Source: Newspaper

A tree fell onto a mobile home.

A strong cold front passed through the region late during the evening of the 16th into the early morning morning hours of the 17th. A strong southerly flow ahead of the cold front transported plenty of moisture into the area allowing for limited instability to develop. Strong forcing associated with the frontal passage combined with limited instability to trigger showers and thunderstorms. Thunderstorms were able to mix down very strong winds aloft causing damaging winds across some locations.