

Storm Data and Unusual Weather Phenomena - April 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.3 ESE ROUTE 301 BRIDGE [38.36, -77.02]				
	04/03/09 09:03 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	04/03/09 09:07 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at the Route 301 Bridge.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSW CHESAPEAKE BIOLOGICAL LABORATORY [38.32, -76.45]				
	04/03/09 11:30 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/03/09 12:07 EST		0	Source: Buoy
Wind gusts of 35 knots were measured at Solomons Island.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]				
	04/03/09 11:54 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	04/03/09 12:17 EST		0	Source: Buoy
Wind gusts up to 36 knots were measured at Lewisetta.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.7 S PATUXENT RIVER NAS [38.28, -76.41]				
	04/03/09 11:58 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	04/03/09 12:25 EST		0	Source: ASOS
Wind gusts of 34 to 36 knots were measured at KNHK.				
A cold front passed through the waters during the morning and early afternoon hours of the 3rd. A southerly flow ahead of the front pumped plenty of warm and humid air into the region. This front combined with the instability produced by the warm and humid air mass ahead of the front triggered showers and thunderstorms. Some thunderstorms produced gusty winds.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	04/06/09 09:07 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	04/06/09 09:07 EST		0	Source: Mesonet
A wind gust in excess of 30 knots was measured at Crisfield.				
A cold front passed through the waters during the morning of the sixth. There was enough instability ahead of the front for showers and thunderstorms to develop. An isolated thunderstorm did produce gusty winds over the Chesapeake Bay.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 2.9 SW SMITH ISLAND [37.98, -76.04]				
	04/20/09 17:42 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	04/20/09 17:42 EST		0	Source: Buoy
A wind gust in excess of 30 knots was measured at Smith Island.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 40.7 W CHESAPEAKE BIOLOGICAL LABORATORY [38.35, -77.20]				
	04/20/09 19:17 EST		0	Marine Hail (0.75 in)
	04/20/09 19:17 EST		0	Source: Trained Spotter
Penny size hail was reported three miles east-northeast of Fairview Beach.				
A storm system combined with an unstable atmosphere to trigger showers and thunderstorms across the Tidal Potomac and Chesapeake Bay. There was enough instability for thunderstorms to contain gusty winds and large hail.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.4 NE QUANTICO [38.50, -77.31]				
	04/21/09 16:56 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	04/21/09 16:56 EST		0	Source: ASOS
A wind gust of 44 knots was measured at Quantico.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 0.2 W POTOMAC LIGHT [38.34, -76.99]				

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	04/21/09 17:32 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	04/21/09 17:32 EST		0	Source: Mesonet

Wind gusts between 34 and 42 knots were measured at Potomac Lighthouse.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 9.7 N ROUTE 301 BRIDGE [38.50, -77.03]				
	04/21/09 17:32 EST		0	Marine Thunderstorm Wind (EG 50 kt)
	04/21/09 17:32 EST		0	Source: Fire Department/Rescue

A wind gust was estimated between 40 and 50 knots.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 20.9 NW PINEY POINT [38.32, -76.83]				
	04/21/09 17:49 EST		0	Marine Thunderstorm Wind (EG 40 kt)
	04/21/09 17:49 EST		0	Source: Emergency Manager

A wind gust was estimated around 40 knots one mile southwest of Maddox.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT [38.13, -76.53]				
	04/21/09 17:54 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/21/09 17:54 EST		0	Source: Buoy

A wind gust of 35 knots was measured at Piney Point.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSW CHESAPEAKE BIOLOGICAL LABORATORY [38.32, -76.45]				
	04/21/09 18:12 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	04/21/09 18:12 EST		0	Source: Buoy

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

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- PATUXENT RIVER NAS [38.29, -76.41]				
	04/21/09 18:12 EST		0	Marine Thunderstorm Wind (MG 41 kt)
	04/21/09 18:16 EST		0	Source: ASOS

A wind gust of 41 knots was measured at Patuxent River.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.1 NE SANDY POINT [39.01, -76.40]				
	04/21/09 18:15 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	04/21/09 18:20 EST		0	Source: Mesonet

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

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.3 SSE ST INIGOES [38.15, -76.43]				
	04/21/09 18:18 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	04/21/09 18:18 EST		0	Source: Mesonet

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

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.9 NNW TOLCHESTER BEACH [39.21, -76.25]				
	04/21/09 18:24 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/21/09 18:40 EST		0	Source: Buoy

Wind gusts up to 35 knots were measured at Tolchester Beach.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.2 SSE LOWER HOOPERS ISLAND [38.26, -76.18]				
	04/21/09 18:31 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	04/21/09 18:37 EST		0	Source: Mesonet

A wind gust of 37 knots was measured at Lower Hooper Island.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.1 NE BISHOPS HEAD [38.22, -76.04]				
	04/21/09 18:40 EST		0	Marine Thunderstorm Wind (MG 51 kt)
	04/21/09 18:55 EST		0	Source: Mesonet

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

A cold front combined with plenty of instability to trigger showers and thunderstorms across the Tidal Potomac and Chesapeake Bay. Some thunderstorms produced gusty winds.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 0.4 SE LEWISSETTA [37.99, -76.47]

04/22/09 16:36 EST	0	0	Marine Thunderstorm Wind (MG 41 kt)
04/22/09 16:36 EST	0	0	Source: Buoy

A wind gust of 41 knots was measured at Lewisetta.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLERS ISLAND [39.25, -76.37]

04/22/09 16:55 EST	0	0	Marine Thunderstorm Wind (MG 35 kt)
04/22/09 16:55 EST	0	0	Source: Mesonet

A wind gust of 35 knots was measured at Hartmiller Island.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.9 NNW TOLCHESTER BEACH [39.21, -76.25]

04/22/09 17:10 EST	0	0	Marine Thunderstorm Wind (EG 34 kt)
04/22/09 17:20 EST	0	0	Source: Buoy

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

Showers and thunderstorms popped up over the Tidal Potomac and Chesapeake Bay. There was enough instability for some thunderstorms to contain gusty winds.

MARYLAND, Central

(MD-Z014) ANNE ARUNDEL

04/03/09 19:28 EST	0	0	High Wind (MAX 50 kt)
04/03/09 19:28 EST	0	0	

An area of low pressure rapidly intensified over southern Canada. The pressure gradient between this strong low and high pressure to our south resulted in gusty winds across Maryland.

(MD-Z501) EXTREME WESTERN ALLEGANY

04/04/09 11:44 EST	0	0	High Wind (MAX 50 kt)
04/04/09 11:44 EST	0	0	

An area of low pressure rapidly intensified over southern Canada. The pressure gradient between this strong low and high pressure to our south resulted in gusty winds across western Maryland.

CHARLES COUNTY --- HUGHESVILLE [38.53, -76.78]

04/20/09 20:24 EST	0	0	Hail (0.75 in)
04/20/09 20:24 EST	0	0	Source: Fire Department/Rescue

Penny sized hail was reported in Hughesville.

CHARLES COUNTY --- HUGHESVILLE [38.53, -76.78]

04/20/09 20:25 EST	0	0	Hail (0.88 in)
04/20/09 20:25 EST	0	0	Source: Trained Spotter

Nickel sized hail was reported in Hughesville.

A storm system over the Great Lakes allowed a surface front to retreat northward through the mid-Atlantic, with thunderstorms developing along the feature across northern Virginia and southern Maryland during the evening.

MONTGOMERY COUNTY --- 0.7 S CLAGGETTSVILLE [39.31, -77.20]

04/21/09 16:35 EST	0	0	Hail (0.75 in)
04/21/09 16:35 EST	0	0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Penny sized hail was reported in Friendship.				
MONTGOMERY COUNTY --- 1.1 E CARDEROCK SPGS [39.00, -77.15]				
	04/21/09 17:16 EST	0		Hail (1.00 in)
	04/21/09 17:16 EST	0		Source: Trained Spotter
Quarter sized hail was reported near Carderock Springs.				
MONTGOMERY COUNTY --- AUTREY PARK [39.07, -77.12]				
	04/21/09 17:23 EST	0		Hail (0.75 in)
	04/21/09 17:24 EST	0		Source: Trained Spotter
Penny sized hail was reported just east-southeast of Rockville.				
MONTGOMERY COUNTY --- GARRETT PARK ESTATES [39.05, -77.10]				
	04/21/09 17:26 EST	0		Hail (0.75 in)
	04/21/09 17:26 EST	0		Source: Trained Spotter
Penny sized hail was reported near Garrett park.				
CHARLES COUNTY --- 0.7 S PORT TOBACCO [38.51, -77.02]				
	04/21/09 17:32 EST	0		Thunderstorm Wind (EG 50 kt)
	04/21/09 17:32 EST	0		Source: Fire Department/Rescue
Trees down on Poorhouse Road and Route 6.				
ANNE ARUNDEL COUNTY --- 0.7 N EARLEIGH HGTS [39.11, -76.55]				
	04/21/09 17:37 EST	0		Hail (0.75 in)
	04/21/09 17:37 EST	0		Source: Public
Penny sized hail was reported near Pasadena.				
CHARLES COUNTY --- 1.3 WSW MATTAWOMAN [38.64, -76.90]				
	04/21/09 17:49 EST	0		Thunderstorm Wind (EG 50 kt)
	04/21/09 17:49 EST	0		Source: Emergency Manager
Trees were down on Mall Road in Waldorf.				
CALVERT COUNTY --- 1.5 SSE STOAKLEY [38.55, -76.59]				
	04/21/09 18:08 EST	0		Thunderstorm Wind (EG 50 kt)
	04/21/09 18:08 EST	0		Source: Fire Department/Rescue
Thunderstorm wind damage was reported in Prince Frederick.				
A boundary remained stationary over the region. This boundary combined with unstable air to trigger showers and thunderstorms across Maryland. Some thunderstorms during the late afternoon and early evening hours were severe, producing damaging winds and large hail.				
ANNE ARUNDEL COUNTY --- 0.7 N EARLEIGH HGTS [39.11, -76.55]				
	04/22/09 14:40 EST	0		Hail (0.75 in)
	04/22/09 14:40 EST	0		Source: COOP Observer
Penny sized hail was reported in Pasadena.				
A cold front triggered showers and thunderstorms. An isolated thunderstorm did produce large hail in southern Maryland.				

VIRGINIA, North

(VA-Z021) HIGHLAND

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	04/06/09 18:00 EST		0	Winter Weather
	04/08/09 05:00 EST		0	

The combination of cold air and moisture behind a cold front resulted in upslope snow showers for locations along and west of the Allgheny front in Virginia. Snow began during the evening of the sixth and lasted into the early morning hours of the eighth.

SPOTSYLVANIA COUNTY --- 1.6 W LEAVELLS [38.25, -77.55]

04/20/09 18:27 EST	0	Hail (0.88 in)
04/20/09 18:27 EST	0	Source: Trained Spotter

Nickel sized hail was reported 5 miles southwest of Fredericksburg.

FREDERICKSBURG (C) COUNTY --- 4.0 WSW FREDERICKSBURG ARPT [38.25, -77.52]

04/20/09 18:35 EST	0	Hail (0.88 in)
04/20/09 18:35 EST	0	Source: Trained Spotter

Nickel sized hail was reported at Leavells Road.

SPOTSYLVANIA COUNTY --- 1.8 WNW CONCORD HGTS [38.28, -77.51]

04/20/09 18:35 EST	0	Hail (0.88 in)
04/20/09 18:35 EST	0	Source: Trained Spotter

Nickel sized hail was reported in the four mile fork area.

FREDERICKSBURG (C) COUNTY --- 0.7 N FREDERICKSBURG [38.31, -77.47]

04/20/09 18:43 EST	0	Hail (0.75 in)
04/20/09 18:43 EST	0	Source: Trained Spotter

Penny sized hail was reported in the northeast portion of the City of Fredericksburg.

FREDERICKSBURG (C) COUNTY --- 1.1 W FREDERICKSBURG [38.30, -77.49]

04/20/09 18:43 EST	0	Hail (0.75 in)
04/20/09 18:43 EST	0	Source: Trained Spotter

Penny sized hail was reported in the City of Fredericksburg.

FREDERICKSBURG (C) COUNTY --- 1.1 W FREDERICKSBURG [38.30, -77.49]

04/20/09 18:43 EST	0	Hail (2.00 in)
04/20/09 18:43 EST	0	Source: Amateur Radio

One to two inch hail was reported to be denting cars in the City of Fredericksburg.

FREDERICKSBURG (C) COUNTY --- 1.1 W FREDERICKSBURG [38.30, -77.49]

04/20/09 18:43 EST	0	Thunderstorm Wind (EG 61 kt)
04/20/09 18:43 EST	0	Source: Amateur Radio

Multiple trees down at U.S. Highway 1 and Route 3 near the National Guard Armory.

KING GEORGE COUNTY --- 0.9 SW PASSAPATANZY [38.29, -77.33]

04/20/09 19:00 EST	0	Hail (1.00 in)
04/20/09 19:00 EST	0	Source: County Official

Quarter sized hail was reported on Oakland Drive.

KING GEORGE COUNTY --- 2.1 N COMORN [38.31, -77.22]

04/20/09 19:15 EST	0	Hail (0.88 in)
04/20/09 19:15 EST	0	Source: Trained Spotter

Nickel sized hail was reported 2 miles southeast of Fairview Beach.

KING GEORGE COUNTY --- 1.8 NW AMBAR [38.34, -77.20]

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	04/20/09 19:17 EST		0	Hail (0.75 in)
	04/20/09 19:17 EST		0	Source: Trained Spotter

Penny sized hail was reported 2 miles east-northeast of Fairview Beach.

A storm system over the Great Lakes allowed a surface front to retreat northward through the mid-Atlantic, with thunderstorms developing along the feature across northern Virginia and southern Maryland during the evening.

FAIRFAX COUNTY --- 1.8 SW OAKTON [38.86, -77.32]

04/21/09 16:50 EST	0	Hail (1.00 in)
04/21/09 16:50 EST	0	Source: Trained Spotter

Quarter size hail covered a deck.

FAIRFAX COUNTY --- 1.3 WNW FAIRFAX PARK [38.78, -77.27]

04/21/09 17:05 EST	0	Hail (0.75 in)
04/21/09 17:05 EST	0	Source: Public

Penny size hail was reported at Whitfield Road.

A boundary remained stationary over the region. This boundary combined with unstable air to trigger showers and thunderstorms across northern Virginia. Some thunderstorms during the late afternoon and early evening hours were severe, producing large hail.

WEST VIRGINIA, East

(WV-Z054) PENDLETON

04/04/09 03:17 EST	0	High Wind (MAX 50 kt)
04/04/09 03:17 EST	0	

An area of low pressure rapidly intensified over southern Canada. The pressure gradient between this strong low and high pressure to our south resulted in gusty winds across eastern West Virginia.

(WV-Z054) PENDLETON

04/06/09 18:00 EST	0	Winter Storm
04/08/09 05:00 EST	0	

(WV-Z501) WESTERN GRANT

04/06/09 18:00 EST	0	Winter Weather
04/08/09 05:00 EST	0	

The combination of cold air and moisture behind a cold front resulted in upslope snow showers across eastern West Virginia for locations along and west of the Allegheny front. Snow began during the evening of the sixth and lasted into the early morning hours of the eighth.