

## Storm Data and Unusual Weather Phenomena - April 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- RACCOON POINT [38.14, -75.79]</b>				
	04/10/15 18:24 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/10/15 18:34 EST	0		Source: Mesonet
Multiple gusts between 31 and 34 knots were measured.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD [37.97, -75.88]</b>				
	04/10/15 18:29 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	04/10/15 18:39 EST	0		Source: Mesonet
Multiple gusts between 31 and 37 knots were measured.				
<b>A line of showers and thunderstorms formed along a cold front swinging through the Mid Atlantic. A warm frontal passage earlier in the day had eroded a persisting marine layer, leading to increased instability and decent shear.</b>				
<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- 17.9 WNW PINEY POINT [38.24, -76.83]</b>				
	04/19/15 23:59 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	04/19/15 23:59 EST	0		Source: Mesonet
Reported at Cobb Point wx flow.				
<b>Strong low level jet aligned over the region with a warm front extended over central Virginia. Scattered showers formed along the frontal boundary, with the heavier showers bringing the stronger winds from aloft to the surface.</b>				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- WEST POTOMAC HIGH SCHOOL [38.78, -77.07]</b>				
	04/20/15 16:34 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	04/20/15 16:34 EST	0		Source: Mesonet
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]</b>				
	04/20/15 16:43 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	04/20/15 16:43 EST	0		Source: ASOS
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 0.7 WNW WASHINGTON NATIONALS PARK [38.87, -77.02]</b>				
	04/20/15 16:48 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	04/20/15 16:48 EST	0		Source: Mesonet
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- WASHINGTON NATIONALS PARK [38.87, -77.01]</b>				
	04/20/15 16:54 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/20/15 16:54 EST	0		Source: Mesonet
Between 31 and 34 knots was reported.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 11.6 NNE QUANTICO [38.64, -77.20]</b>				
	04/20/15 19:02 EST	0		Marine Thunderstorm Wind (MG 47 kt)
	04/20/15 19:02 EST	0		Source: Mesonet
Reported at Mason Neck WXFlow Site.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 2.5 NW LYLES-CROUCH ACADEMY ALEXANDRIA [38.83, -77.08]</b>				
	04/20/15 19:10 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/20/15 19:10 EST	0		Source: Mesonet
Between 32 and 34 knots were reported at TC Williams HS.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]</b>				
	04/20/15 19:15 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/20/15 19:15 EST	0		Source: ASOS
Between 33 and 34 knots were reported at KDCA.				

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<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.1 SE LYLES-CROUCH ACADEMY ALEXANDRIA [38.79, -77.04]</b>				
	04/20/15 19:20 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/20/15 19:20 EST	0		Source: Buoy

Between 31 and 34 knots were reported at the Upper Potomac Buoy (44061).

<b>CHOPTANK RIVER TO CAMBRIDGE MD AND THE LITTLE CHOPTANK RIVER COUNTY --- 13.2 WNW HORN POINT [38.70, -76.33]</b>				
	04/20/15 19:27 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	04/20/15 19:27 EST	0		Source: Mesonet

<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO [38.50, -77.31]</b>				
	04/20/15 19:46 EST	0		Marine Thunderstorm Wind (MG 38 kt)
	04/20/15 19:46 EST	0		Source: AWOS

Reported at knyg.

<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 6.2 SSE CHESAPEAKE BEACH [38.61, -76.50], 5.8 SSE CHESAPEAKE BEACH [38.62, -76.49]</b>				
	04/20/15 19:53 EST	0		Waterspout
	04/20/15 19:57 EST	0		Source: Public

A water spout was reported via Just in Weather. The report included two videos from the public filming the water spout occurring off Plum Point, MD. Location and time were estimated from the videos and the use of radar data.

<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 0.2 NNW MILLER ISLAND [39.25, -76.37]</b>				
	04/20/15 20:30 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	04/20/15 20:30 EST	0		Source: Mesonet

<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT [38.94, -76.44]</b>				
	04/20/15 20:53 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/20/15 20:53 EST	0		Source: Mesonet

Between 33 and 34 knots were reported.

<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 12.7 SSW THOMAS POINT LIGHT [38.73, -76.54]</b>				
	04/20/15 20:55 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	04/20/15 20:55 EST	0		Source: Mesonet

<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- SUSQUEHANNA [39.54, -76.07]</b>				
	04/20/15 21:00 EST	0		Marine Thunderstorm Wind (MG 41 kt)
	04/20/15 21:00 EST	0		Source: Buoy

Reported at Susquehanna Buoy (44057).

**A warm front was draped across the Mason-Dixon Line as a cold front slowly approached from the northwest, leaving the Mid Atlantic warm sector. Increasing instability and shear ahead of the approaching front coupled with a passing jet streak providing forcing aloft led to scattered strong to severe thunderstorms.**

<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.85, -77.04]</b>				
	04/30/15 12:35 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/30/15 12:35 EST	0		Source: ASOS

Between 31 and 34 knots were reported.

**Scattered showers and isolated thunderstorms formed under an upper level low. A lack of shear, but steep mid level lapse rates and increased instability resulted in short lived strong thunderstorms.**

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<b>ST. MARY'S COUNTY --- 0.7 N GREAT MILLS [38.24, -76.50], 0.7 N GREAT MILLS [38.24, -76.50], 0.7 N GREAT MILLS [38.24, -76.50], 0.7 N GREAT MILLS [38.24, -76.50]</b>				
	04/20/15 06:00 EST	0		Flood (due to Heavy Rain)
	04/20/15 13:38 EST	0		Source: River/Stream Gage
Great Mills on St Marys River reached its flood stage of six feet and crested at 6.84 feet.				
<b>Low pressure was across the Great Lakes while a wave of low pressure moved across the Mid-Atlantic. Moisture moved across the Mid-Atlantic and led to heavy rain. River rises occurred and a few places saw river flooding.</b>				
<b>CHARLES COUNTY --- 0.7 S BENEDICT [38.51, -76.68]</b>				
	04/20/15 18:21 EST	0		Hail (1.00 in)
	04/20/15 18:21 EST	0		Source: State Official
<b>CHARLES COUNTY --- 0.2 NNW BRYANS ROAD [38.63, -77.07]</b>				
	04/20/15 19:08 EST	0		Thunderstorm Wind (EG 50 kt)
	04/20/15 19:08 EST	0		Source: State Official
A tree was reported down on Marshall Hull Rd.				
<b>WASHINGTON COUNTY --- 1.5 NNE INDIAN SPGS [39.67, -77.99]</b>				
	04/20/15 19:25 EST	0		Hail (1.25 in)
	04/20/15 19:25 EST	0		Source: Trained Spotter
<b>MONTGOMERY COUNTY --- 0.7 N BURTONSVILLE [39.11, -76.93]</b>				
	04/20/15 19:30 EST	0		Hail (1.00 in)
	04/20/15 19:30 EST	0		Source: Trained Spotter
<b>ANNE ARUNDEL COUNTY --- 1.6 SE DELMONT [39.11, -76.65]</b>				
	04/20/15 20:03 EST	0		Thunderstorm Wind (EG 50 kt)
	04/20/15 20:03 EST	0		Source: Public
A tree was reported down on New Cut Rd at Old Oak Rd.				
<b>A warm front was draped across the Mason-Dixon Line as a cold front slowly approached from the northwest, leaving the Mid Atlantic warm sector. Increasing instability and shear ahead of the approaching front coupled with a passing jet streak providing forcing aloft led to scattered strong to severe thunderstorms.</b>				
<b>FREDERICK COUNTY --- 0.7 N JOHNSVILLE [39.54, -77.23]</b>				
	04/22/15 12:00 EST	0		Thunderstorm Wind (EG 50 kt)
	04/22/15 12:00 EST	0		Source: State Official
A tree was reported down across Keymar Rd.				
<b>FREDERICK COUNTY --- 0.7 N KEMPTOWN [39.34, -77.23]</b>				
	04/22/15 12:10 EST	0		Thunderstorm Wind (EG 50 kt)
	04/22/15 12:10 EST	0		Source: State Official
A tree was reported down at the intersection of Oak Orchard Rd and Sams Creek Rd.				
<b>FREDERICK COUNTY --- 1.1 W SAMS CREEK [39.50, -77.12]</b>				
	04/22/15 12:10 EST	0		Thunderstorm Wind (EG 50 kt)
	04/22/15 12:10 EST	0		Source: State Official
A tree was reported down across Kemptown Church Rd.				
<b>MONTGOMERY COUNTY --- 2.3 WSW LUXMANOR [39.04, -77.16]</b>				
	04/22/15 12:15 EST	0		Thunderstorm Wind (EG 50 kt)
	04/22/15 12:15 EST	0		Source: Public
A tree was snapped at Tuckerman Lane and Seven Locks Rd.				

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Scattered showers formed ahead of a fast moving cold front. A strong low level jet with winds 60 to 70 knots aligned over the region, with these winds mixing to the surface with the heavier precipitation.

### VIRGINIA, North

#### (VA-Z029) PAGE

	04/15/15 05:15 EST	0	Dense Fog
	04/15/15 07:45 EST	0	

Ample moisture ahead of a backdoor cold front led to dense fog development in the valleys across Page County.

#### MADISON COUNTY --- 1.8 ESE LOCUST DALE [38.32, -78.10], 1.7 ESE LOCUST DALE [38.32, -78.10], 1.8 ESE LOCUST DALE [38.32, -78.10], 1.8 ESE LOCUST DALE [38.32, -78.10]

	04/20/15 04:14 EST	0	Flood (due to Heavy Rain)
	04/20/15 12:36 EST	0	Source: River/Stream Gage

The stream gauge on Robinson River at Locust Dale exceeded the minor flood stage of 11 feet. The stream crested at 13.55 feet at 8:15 AM EST.

Low pressure was across the Great Lakes while a wave of low pressure moved across the Mid-Atlantic. Moisture moved across the Mid-Atlantic and led to heavy rain. River rises occurred and a few places saw river flooding.

#### FAIRFAX COUNTY --- 0.7 S FRANKLIN PARK [38.91, -77.15]

	04/20/15 19:00 EST	0	Hail (1.00 in)
	04/20/15 19:00 EST	0	Source: CoCoRaHS

#### SPOTSYLVANIA COUNTY --- 1.1 SE CHANCELLOR [38.26, -77.58]

	04/20/15 19:32 EST	0	Thunderstorm Wind (EG 50 kt)
	04/20/15 19:32 EST	0	Source: State Official

A tree was reported down near Gordon Rd and Ni River Landing.

#### SPOTSYLVANIA COUNTY --- 1.1 E FIVE MILE [38.28, -77.53]

	04/20/15 19:38 EST	0	Hail (1.00 in)
	04/20/15 19:38 EST	0	Source: Trained Spotter

#### FREDERICK COUNTY --- 61.2 SE DBL TOLLGATE [38.31, -77.52]

	04/20/15 19:39 EST	0	Thunderstorm Wind (EG 50 kt)
	04/20/15 19:39 EST	0	Source: State Official

Multiple trees were reported down near River Rd and Bragg Rd.

A warm front was draped across the Mason-Dixon Line as a cold front slowly approached from the northwest, leaving the Mid Atlantic warm sector. Increasing instability and shear ahead of the approaching front coupled with a passing jet streak providing forcing aloft led to scattered strong to severe thunderstorms.

### WEST VIRGINIA, East

#### (WV-Z052) BERKELEY

	04/15/15 02:50 EST	0	Dense Fog
	04/15/15 07:00 EST	0	

Ample moisture ahead of a backdoor cold front resulted in dense fog.

#### MORGAN COUNTY --- 0.5 W GREAT CACAPON [39.62, -78.29]

	04/20/15 18:02 EST	0	Hail (1.00 in)
	04/20/15 18:02 EST	0	Source: Public

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<b>MORGAN COUNTY --- 1.1 E GREAT CACAPON [39.62, -78.26]</b>				
	04/20/15 18:08 EST		0	Hail (1.00 in)
	04/20/15 18:08 EST		0	Source: Trained Spotter
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<b>MORGAN COUNTY --- 0.5 SSW SLEEPY CREEK [39.66, -78.08]</b>				
	04/20/15 19:10 EST		0	Thunderstorm Wind (EG 50 kt)
	04/20/15 19:10 EST		0	Source: Public

A tree was reported down in the road near the 6000 block of River Rd.

**A warm front was draped across the Mason-Dixon Line as a cold front slowly approached from the northwest, leaving the Mid Atlantic warm sector. Increasing instability and shear ahead of the approaching front coupled with a passing jet streak providing forcing aloft led to scattered strong to severe thunderstorms.**