

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ATLANTIC NORTH</b>				
<b>PATUXENT RIVER TO BROOMES ISLAND MD COUNTY --- SOLOMONS ISLAND (SLIM2) [38.32, -76.45]</b>				
	04/01/16 09:06 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	04/01/16 09:06 EST		0	Source: Mesonet
SLIM2 reported gusts of around 37 knots.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]</b>				
	04/01/16 09:18 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/01/16 09:18 EST		0	Source: Mesonet
BISM2 reported gusts of around 35 knots.				
<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]</b>				
	04/01/16 17:54 EST		0	Marine Thunderstorm Wind (MG 42 kt)
	04/01/16 17:54 EST		0	Source: Mesonet
FSKM2 reported gusts of around 42 knots.				
<b>A cold front slowly moved through the region, producing scattered showers and thunderstorms with embedded stronger storms.</b>				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.1 ESE LONG BRANCH ES (ARLNL) [38.86, -77.07]</b>				
	04/02/16 21:45 EST		0	Marine Thunderstorm Wind (MG 48 kt)
	04/02/16 21:55 EST		0	Source: Mesonet
ARLNN reported gusts around 48 knots.				
<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- (DCA)REAGAN NATIONAL AIRPORT [38.86, -77.03]</b>				
	04/02/16 21:47 EST		0	Marine Thunderstorm Wind (MG 51 kt)
	04/02/16 21:47 EST		0	Source: ASOS
KDCA reported gusts around 51 knots.				
<b>A cold front swung through the region, with a squall line forming along the frontal boundary. Embedded strong thunderstorms were noted in the squall line.</b>				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- GOOSSES REEF BUOY (44062) [38.56, -76.41]</b>				
	04/07/16 09:50 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/07/16 10:00 EST		0	Source: Buoy
Buoy 44062 reported gusts between 33 and 35 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]</b>				
	04/07/16 09:50 EST		0	Marine Thunderstorm Wind (MG 45 kt)
	04/07/16 10:10 EST		0	Source: Mesonet
TPLM2 reported gusts between 38 and 45 knots.				
<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]</b>				
	04/07/16 09:54 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/07/16 10:12 EST		0	Source: Mesonet
BISM2 reported gusts between 31 and 35 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS (KNAK) [38.98, -76.48]</b>				
	04/07/16 09:59 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	04/07/16 09:59 EST		0	Source: ASOS
KNAK reported gusts around 36 knots.				

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK (MON) [38.23, -76.95]</b>				
	04/07/16 09:59 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	04/07/16 09:59 EST		0	Source: Mesonet
MON reported gusts around 37 knots.				
<b>CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 9.1 NNE GOOSSES REEF BUOY (44062) [38.68, -76.33]</b>				
	04/07/16 10:00 EST		0	Marine Thunderstorm Wind (MG 40 kt)
	04/07/16 10:00 EST		0	Source: Mesonet
BWH reported gusts around 40 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- TOLLY POINT (TOL) [38.94, -76.44]</b>				
	04/07/16 10:01 EST		0	Marine Thunderstorm Wind (MG 52 kt)
	04/07/16 10:06 EST		0	Source: Mesonet
TOL reported gusts between 31 and 52 knots.				
<b>CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- KENT ISLAND (KNT) [38.92, -76.36]</b>				
	04/07/16 10:05 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	04/07/16 10:05 EST		0	Source: Mesonet
KNT reported gusts around 34 knots.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- CUCKOLD CREEK (CCK) [38.31, -76.93]</b>				
	04/07/16 10:05 EST		0	Marine Thunderstorm Wind (MG 49 kt)
	04/07/16 10:05 EST		0	Source: Mesonet
CCK reported gusts around 49 knots.				
<b>CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- PATAPSCO BUOY (44043) [39.15, -76.39]</b>				
	04/07/16 10:20 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	04/07/16 10:20 EST		0	Source: Buoy
Buoy 44043 reported gusts around 37 knots.				
<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- GROVE POINT (GVP) [39.40, -76.04]</b>				
	04/07/16 10:49 EST		0	Marine Thunderstorm Wind (MG 38 kt)
	04/07/16 11:04 EST		0	Source: Mesonet
GVP reported gusts between 32 and 38 knots.				
<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- SUSQUEHANNA RIVER BUOY (44057) [39.54, -76.07]</b>				
	04/07/16 11:00 EST		0	Marine Thunderstorm Wind (MG 37 kt)
	04/07/16 11:00 EST		0	Source: Buoy
Buoy 44057 reported gusts around 37 knots.				
<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- NORTH BAY NORTH EAST MD (NRTBY) [39.50, -75.99]</b>				
	04/07/16 11:04 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	04/07/16 11:34 EST		0	Source: Mesonet
NRTBY reported gusts around 44 knots.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO (KNYG) [38.51, -77.30]</b>				
	04/07/16 15:35 EST		0	Marine Thunderstorm Wind (MG 53 kt)
	04/07/16 15:35 EST		0	Source: AWOS
KNYG reported gusts around 53 knots.				
<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- BABAR POINT (BAB) [38.31, -77.03]</b>				

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/07/16 15:43 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	04/07/16 15:43 EST		0	Source: Mesonet
BAB reported gusts around 34 knots.				
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<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- MONROE CREEK (MON) [38.23, -76.95]</b>				
	04/07/16 15:44 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/07/16 15:54 EST		0	Source: Mesonet
MON reported gusts between 32 and 35 knots.				
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<b>TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- CUCKOLD CREEK (CCK) [38.31, -76.93]</b>				
	04/07/16 15:45 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/07/16 15:45 EST		0	Source: Mesonet
CCK reported gusts between 32 and 35 knots.				
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<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.1 NNW GEORGE WASHINGTON UNIVERSITY (GWUNI) [38.91, -77.05]</b>				
	04/07/16 15:45 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	04/07/16 15:45 EST		0	Source: Mesonet
WASDC reported gusts around 36 knots.				
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<b>CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- SUSQUEHANNA RIVER BUOY (44057) [39.54, -76.07]</b>				
	04/07/16 15:50 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	04/07/16 15:50 EST		0	Source: Buoy
Buoy 44057 reported gusts between 33 and 34 knots.				
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<b>PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]</b>				
	04/07/16 15:54 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	04/07/16 15:54 EST		0	Source: Mesonet
FSKM2 reported gusts between 33 and 34 knots.				
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<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- NATIONALS PARK (WSHNP) [38.87, -77.01]</b>				
	04/07/16 15:54 EST		0	Marine Thunderstorm Wind (MG 36 kt)
	04/07/16 15:54 EST		0	Source: Mesonet
WSHNP reported gusts around 36 knots.				
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<b>TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- UPPER POTOMAC BUOY (44061) [38.79, -77.04]</b>				
	04/07/16 16:10 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/07/16 16:10 EST		0	Source: Buoy
Buoy 44061 reported gusts around 35 knots.				
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<b>A cold front extended across the Mid-Atlantic with low pressure forming along the boundary and riding to the northeast. An abundance of moisture advected out ahead of the low, resulting in scattered showers with embedded showers with strong winds.</b>				
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<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA MD (LWTV2) [38.00, -76.47]</b>				
	04/22/16 12:42 EST		0	Marine Thunderstorm Wind (MG 44 kt)
	04/22/16 12:42 EST		0	Source: Mesonet
LWTV2 reported gusts around 44 knots.				
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<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POINT LOOKOUT (PTL) [38.04, -76.32]</b>				
	04/22/16 12:55 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/22/16 13:00 EST		0	Source: Mesonet
PTL reported gusts between 33 and 35 knots.				

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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<b>TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC POINT LOOKOUT BUOY (44042) [38.03, -76.34]</b>				
	04/22/16 13:00 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/22/16 13:00 EST		0	Source: Buoy

Buoy 44042 reported gusts around 35 knots.

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<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- BISHOPS HEAD (BISM2) [38.22, -76.04]</b>				
	04/22/16 13:24 EST		0	Marine Thunderstorm Wind (MG 39 kt)
	04/22/16 13:36 EST		0	Source: Mesonet

BISM2 reported gusts between 32 and 39 knots.

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<b>TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- CRISFIELD FIRE DEPARTMENT (CRSFL) [37.98, -75.86]</b>				
	04/22/16 13:40 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	04/22/16 13:40 EST		0	Source: Mesonet

CRSFL reported gusts around 35 knots.

Shows with embedded thunderstorms formed in the baroclinic leaf over the region ahead of an approaching upper level trough and its associated cold front.

### DISTRICT OF COLUMBIA

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<b>(DC-Z001) DISTRICT OF COLUMBIA</b>				
	04/05/16 05:00 EST		0	Frost/Freeze
	04/05/16 08:00 EST		0	

A reinforcing strong Arctic cold front moved through the region, with temperatures dropping well below freezing, resulting in widespread freeze.


### MARYLAND, Central

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<b>(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD</b>				
	04/02/16 20:55 EST		0	High Wind (MAX 54 kt)
	04/03/16 09:08 EST	6	0	

A strong cold front swung through the Mid-Atlantic. Surge of cold air advection immediately and then again after the frontal passage resulted in two rounds of strong winds, one with a squall line that formed along the front and another more pro-longed with the synoptic flow.

## Storm Data and Unusual Weather Phenomena - April 2016

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

*Provided by Baltimore Brew, taken Sunday, April 3rd.*

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z507) NORTHWEST HARFORD	04/03/16 04:20 EST	0	Frost/Freeze
	04/03/16 08:00 EST	0	

A strong Arctic cold front moved through the region, with temperatures dropping well below freezing.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD	04/04/16 22:55 EST	0	Frost/Freeze
	04/05/16 08:00 EST	0	

A reinforcing strong Arctic cold front moved through the region, with temperatures dropping well below freezing, resulting in widespread freeze.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD	04/05/16 20:14 EST	0	Frost/Freeze
	04/06/16 08:00 EST	0	

Arctic high pressure built into the region behind a departing cold front, with temperatures dropping well below freezing, resulting in widespread freeze.

CHARLES COUNTY --- 0.7 NE GLYMONT [38.61, -77.12]	04/07/16 08:54 EST	0	Thunderstorm Wind (EG 52 kt)
	04/07/16 08:54 EST	0	Source: Emergency Manager

A tree was uprooted into a home. Shingle damage from large branch being snapped off also.

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CHARLES COUNTY --- 0.3 ESE NEWTOWN [38.50, -76.94]</b>				
	04/07/16 09:05 EST		0	Thunderstorm Wind (EG 52 kt)
	04/07/16 09:05 EST		0	Source: Emergency Manager
One large branch from a large tree was snapped.				
<b>BALTIMORE COUNTY --- 1.7 S LUTZ HILL [39.30, -76.52]</b>				
	04/07/16 10:09 EST		5K	Thunderstorm Wind (EG 50 kt)
	04/07/16 10:09 EST		0	Source: Emergency Manager
Roofing material was stripped from the roof of Thompson Car Dealership, resulting in the damage to multiple cars and rendering the building unsafe.				
<b>CHARLES COUNTY --- 2.3 NNW GRAYTON [38.45, -77.21]</b>				
	04/07/16 15:40 EST		0	Thunderstorm Wind (EG 52 kt)
	04/07/16 15:40 EST		0	Source: 911 Call Center
A tree was reported down at the intersection of Port Tobacco Rd and Beaver Dam Rd.				
<b>CHARLES COUNTY --- 0.5 ESE DONCASTER [38.50, -77.21]</b>				
	04/07/16 15:42 EST		0	Thunderstorm Wind (EG 52 kt)
	04/07/16 15:42 EST		0	Source: 911 Call Center
A tree was reported down across the intersection of Port Tobacco Rd and Chicamuxen Rd.				
<b>CHARLES COUNTY --- 1.2 ENE MC CONCHIE [38.51, -77.05]</b>				
	04/07/16 15:53 EST		0	Thunderstorm Wind (EG 52 kt)
	04/07/16 15:53 EST		0	Source: 911 Call Center
A tree was reported down at the intersection of Port Tobacco Rd and Simms Landing Rd.				
<b>CHARLES COUNTY --- 0.8 W BRYANS ROAD [38.63, -77.08]</b>				
	04/07/16 15:55 EST		1K	Thunderstorm Wind (EG 43 kt)
	04/07/16 15:55 EST		0	Source: 911 Call Center
A tree was reported down on Fraser Rd.				
<b>CHARLES COUNTY --- 1.1 ESE INDIAN HD MRYLND ARP [38.59, -77.05]</b>				
	04/07/16 16:00 EST		1K	Thunderstorm Wind (EG 43 kt)
	04/07/16 16:00 EST		0	Source: 911 Call Center
A tree was reported down on Pomfret Rd and Indian Head Rail Bike Trail.				
<b>CHARLES COUNTY --- 2.4 NNW WHITE PLAINS [38.61, -76.97]</b>				
	04/07/16 16:01 EST		2K	Thunderstorm Wind (EG 50 kt)
	04/07/16 16:01 EST		0	Source: 911 Call Center
Multiple trees were reported down at the intersection of Middletown Rd and Billingsley Rd.				
<b>CALVERT COUNTY --- 1.0 E CHANEYVILLE [38.68, -76.63]</b>				
	04/07/16 16:21 EST		1K	Thunderstorm Wind (EG 43 kt)
	04/07/16 16:21 EST		0	Source: 911 Call Center
A tree was reported down at Southern Maryland Blvd and Briscoe Turn Rd.				
<b>CALVERT COUNTY --- 1.6 WNW CHANEY [38.76, -76.66]</b>				
	04/07/16 16:26 EST		1K	Thunderstorm Wind (EG 43 kt)
	04/07/16 16:26 EST		0	Source: 911 Call Center
A tree was reported down at the intersection of Southern Maryland Blvd and Chaney Rd.				
<b>ANNE ARUNDEL COUNTY --- 0.9 N BRISTOL [38.79, -76.67]</b>				

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/07/16 16:29 EST		1K	Thunderstorm Wind (EG 43 kt)
	04/07/16 16:29 EST		0	Source: 911 Call Center

A tree was reported down at the intersection of Route 258 and Route 4.

### ANNE ARUNDEL COUNTY --- 0.2 SSE SUDLEY [38.82, -76.58]

04/07/16 16:35 EST	0	Thunderstorm Wind (EG 52 kt)
04/07/16 16:35 EST	0	Source: 911 Call Center

Multiple trees were reported down on power lines at Sudley Rd and Nutwell Sudley Rd.

### ANNE ARUNDEL COUNTY --- 0.5 SE SHADY SIDE [38.83, -76.51]

04/07/16 16:41 EST	1K	Thunderstorm Wind (EG 43 kt)
04/07/16 16:41 EST	0	Source: 911 Call Center

A tree was reported down at the intersection of Shady Side Rd and Columbia Beach.

A cold front extended across the Mid-Atlantic with low pressure forming along the boundary and riding to the northeast. An abundance of moisture advected out ahead of the low, resulting in scattered showers with embedded showers with strong winds.

### (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD

04/08/16 22:39 EST	0	Frost/Freeze
04/09/16 08:00 EST	0	

Amplifying shortwave trough over the Great Lakes pushed to the southeast, resulting in deepening surface low progressing just north of the Mason-Dixon. Colder air moved in as the trough swung into the Mid-Atlantic and closed off.

### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

04/09/16 20:00 EST	0	Frost/Freeze
04/10/16 08:00 EST	0	

A deepening upper level trough swung through the region during the day. As the trough axis set up east of the region, strong cold air advection on northwest flow resulted in temperatures across the area dropping well below freezing.

### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK

04/13/16 04:23 EST	0	Frost/Freeze
04/13/16 08:00 EST	0	

High pressure over the region resulted in clear skies and light winds and decent radiational cooling. A late cold air advection helped pushed temps just below freezing right before sunrise.

### (MD-Z017) ST. MARY'S, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD

04/14/16 02:43 EST	0	Frost/Freeze
04/14/16 08:00 EST	0	

High pressure settled over the region with light winds and clear skies. This led to decent radiational cooling and temps dropping to just below freezing.

## VIRGINIA, North

### ALBEMARLE COUNTY --- 1.3 ENE COVESVILLE [37.89, -78.70]

04/01/16 15:18 EST	0	Hail (1.00 in)
04/01/16 15:18 EST	0	Source: Public

Reported at Coveseville Store. Hail walnut size was also reported.

A cold front moved through the region. Strong southerly flow ahead of the front resulted in dew points reaching the 60s and weak instability.

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z501) NORTHERN FAUQUIER, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE	04/02/16 10:28 EST	0	0	Frost/Freeze
	04/03/16 08:00 EST	0	0	

A strong Arctic cold front moved through the region, with temperatures dropping well below freezing.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z050) ORANGE, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z057) KING GEORGE, (VA-Z506) EASTERN LOUDOUN	04/02/16 20:40 EST	0	0	High Wind (MAX 60 kt)
	04/03/16 09:33 EST	0	0	

A strong cold front swung through the Mid-Atlantic. Surge of cold air advection immediately and then again after the frontal passage resulted in two rounds of strong winds, one with a squall line that formed along the front and another more pro-longed with the synoptic flow.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE	04/05/16 01:22 EST	0	0	Frost/Freeze
	04/05/16 08:00 EST	0	0	

A reinforcing strong Arctic cold front moved through the region, with temperatures dropping well below freezing, resulting in widespread freeze.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (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-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE	04/05/16 19:24 EST	0	0	Frost/Freeze
	04/06/16 08:00 EST	0	0	

Arctic high pressure built into the region behind a departing cold front, with temperatures dropping well below freezing, resulting in widespread freeze.

<b>ORANGE COUNTY --- 1.4 ENE TATUM [38.23, -77.88]</b>	04/07/16 17:01 EST	1K	0	Thunderstorm Wind (EG 43 kt)
	04/07/16 17:01 EST	0	0	Source: 911 Call Center

A pine tree 12-16 inches in diameter was reported down.

<b>SPOTSYLVANIA COUNTY --- 1.4 WSW NEW POST [38.22, -77.43]</b>	04/07/16 17:28 EST	2K	0	Thunderstorm Wind (EG 50 kt)
	04/07/16 17:28 EST	0	0	Source: 911 Call Center

A tree was reported down and blocking one lane of traffic at Jim Morris Rd and Mills Dr.

A cold front extended across the Mid-Atlantic with low pressure forming along the boundary and riding to the northeast. An abundance of moisture advected out ahead of the low, resulting in scattered showers with embedded showers with strong winds.

(VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE	04/08/16 22:07 EST	0	0	Frost/Freeze
	04/10/16 08:00 EST	0	0	

Amplifying shortwave trough over the Great Lakes pushed to the southeast, resulting in deepening surface low progressing just north of the Mason-Dixon. Colder air moved in as the trough swung into the Mid-Atlantic and closed off.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE				
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## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE</b>				

04/09/16 00:21 EST	0	Frost/Freeze
04/10/16 08:00 EST	0	

A deepening upper level trough swung through the region during the day. As the trough axis set up east of the region, strong cold air advection on northwest flow resulted in temperatures across the area dropping well below freezing.

**(VA-Z036) NELSON**

04/09/16 09:55 EST	0	High Wind (MAX 50 kt)
04/09/16 09:55 EST	0	

Upper level trough axis remained to the west, with strong southwest flow noted throughout the vertical column.

**(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE**

04/13/16 02:56 EST	0	Frost/Freeze
04/13/16 08:00 EST	0	

High pressure over the region resulted in clear skies and light winds and decent radiational cooling. A late cold air advection helped pushed temps just below freezing right before sunrise.

**(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z040) RAPPAHANNOCK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z505) WESTERN LOUDOUN**

04/14/16 02:02 EST	0	Frost/Freeze
04/17/16 08:00 EST	0	

High pressure settled over the region with light winds and clear skies. This led to decent radiational cooling and temps dropping to just below freezing each night.

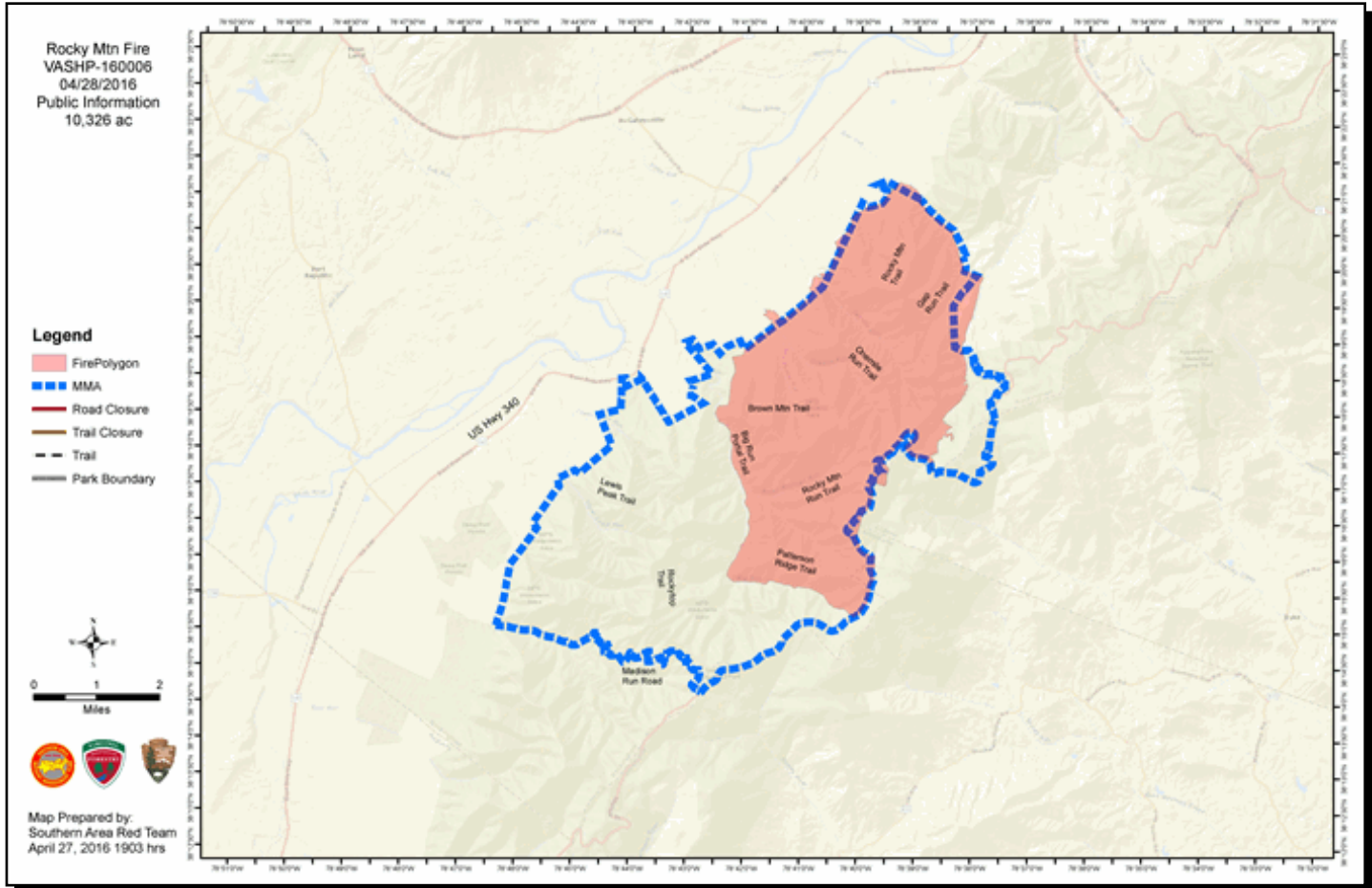
**(VA-Z026) ROCKINGHAM**

04/16/16 12:15 EST	0	Wildfire
04/30/16 23:59 EST	0	

High pressure building over the region led to warm and dry conditions.

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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*Map of the extent of the fire on April 27th. The red polygon shows the fire. Created by Southern Area Red Team.*

### WEST VIRGINIA, East

(WV-Z050) HAMPSHIRE, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL, (WV-Z506) EASTERN PENDLETON

04/02/16 19:00 EST	0	High Wind (MAX 53 kt)
04/03/16 08:00 EST	0	

A strong cold front swung through the Mid-Atlantic. Surge of cold air advection immediately and then again after the frontal passage resulted in two rounds of strong winds, one with a squall line that formed along the front and another more pro-longed with the synoptic flow.

(WV-Z501) WESTERN GRANT

04/02/16 21:00 EST	0	Winter Weather
04/03/16 07:00 EST	0	

Cold air picked up moisture from the Great Lakes and flowed over the mountains, resulting in snow for locations along and west of the Allegheny Front.

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON

04/03/16 04:27 EST	0	Frost/Freeze
04/03/16 08:00 EST	0	

A strong Arctic cold front moved through the region, with temperatures dropping well below freezing.

## Storm Data and Unusual Weather Phenomena - April 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>				
	04/05/16 02:09 EST		0	Frost/Freeze
	04/05/16 08:00 EST		0	
A reinforcing strong Arctic cold front moved through the region, with temperatures dropping well below freezing, resulting in widespread freeze.				
<b>(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>				
	04/05/16 20:33 EST		0	Frost/Freeze
	04/06/16 08:00 EST		0	
Arctic high pressure built into the region behind a departing cold front, with temperatures dropping well below freezing, resulting in widespread freeze.				
<b>(WV-Z501) WESTERN GRANT</b>				
	04/09/16 00:00 EST		0	Winter Storm
	04/09/16 13:00 EST		0	
Cold air picked up moisture from the Great Lakes and flowed over the mountains, resulting in snow for locations along and west of the Allegheny Front.				
<b>(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>				
	04/09/16 21:37 EST		0	Frost/Freeze
	04/10/16 08:00 EST		0	
A deepening upper level trough swung through the region during the day. As the trough axis set up east of the region, strong cold air advection on northwest flow resulted in temperatures across the area dropping well below freezing.				
<b>(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>				
	04/13/16 03:47 EST		0	Frost/Freeze
	04/13/16 08:00 EST		0	
High pressure over the region resulted in clear skies and light winds and decent radiational cooling. A late cold air advection helped pushed temps just below freezing right before sunrise.				
<b>(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>				
	04/14/16 01:38 EST		0	Frost/Freeze
	04/15/16 08:00 EST		0	
High pressure settled over the region with light winds and clear skies. This led to decent radiational cooling and temps dropping to just below freezing each night.				