

Storm Data and Unusual Weather Phenomena - March 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- HAMPSTEAD HILL ACADEMY (BLMHH) [39.29, -76.58]				
	03/30/18 12:00 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 12:39 EST	0		Source: Mesonet
Wind gusts in excess of 30 knots were reported at the Hampstead Hill Academy.				
PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- BALTIMORE KEY BRIDGE (FSKM2) [39.22, -76.53]				
	03/30/18 12:06 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 12:06 EST	0		Source: Buoy
Wind gusts in excess of 30 knots were reported at the Key Bridge.				
CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- (KMTN)MARTIN STATE AIRPORT [39.33, -76.42]				
	03/30/18 12:11 EST	0		Marine Thunderstorm Wind (MG 37 kt)
	03/30/18 12:11 EST	0		Source: ASOS
A wind gust of 37 knots was reported at Martin State.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- HAVRE DE GRACE (HAVDG) [39.55, -76.11]				
	03/30/18 12:31 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 12:31 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- NORTH BAY NORTH EAST MD (NRTBY) [39.50, -75.99]				
	03/30/18 12:34 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	03/30/18 12:45 EST	0		Source: Buoy
A wind gust of 35 knots was measured at North Bay.				
CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- GROVE POINT (GVP) [39.40, -76.04]				
	03/30/18 12:36 EST	0		Marine Thunderstorm Wind (MG 39 kt)
	03/30/18 12:46 EST	0		Source: Buoy
A wind gust of 34 to 39 knots were reported at Grove Point.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- GREENBERRY POINT (GBY) [38.97, -76.46]				
	03/30/18 12:39 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/18 12:44 EST	0		Source: Buoy
A wind gust of 34 to 36 knots at Greenberry Point.				
CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- THOMAS POINT (TPLM2) [38.90, -76.44]				
	03/30/18 13:00 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	03/30/18 13:00 EST	0		Source: Buoy
A wind gust of 34 knots was reported at Thomas Point.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- POTOMAC LIGHT 33 (LT3) [38.34, -76.99]				
	03/30/18 13:31 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	03/30/18 13:31 EST	0		Source: Buoy
A wind gust of 34 knots was reported at Potomac Light.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- CUCKOLD CREEK (CCK) [38.31, -76.93]				
	03/30/18 13:40 EST	0		Marine Thunderstorm Wind (MG 36 kt)
	03/30/18 13:40 EST	0		Source: Buoy
A wind gust of 36 knots was reported at Cuckold Creek.				

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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 --- PATUXENT RIVER ASOS (KNAK) [38.29, -76.41]				
	03/30/18 14:20 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 14:20 EST		0	Source: AWOS

A wind gust in excess of 30 knots was reported at Patuxent River.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- COBB POINT (COB) [38.24, -76.83]				
	03/30/18 14:29 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 14:29 EST		0	Source: Buoy

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

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 2.6 S MID BAY BUOY [38.43, -76.39]				
	03/30/18 14:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 14:42 EST		0	Source: Buoy

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

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- PINEY POINT (PPTM2) [38.13, -76.53]				
	03/30/18 14:36 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	03/30/18 14:36 EST		0	Source: Buoy

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

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA (LWS) [38.00, -76.47]				
	03/30/18 15:00 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	03/30/18 15:00 EST		0	Source: Buoy

A wind gust of 34 knots was reported at Lewisetta.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA MD (LWTV2) [38.00, -76.47]				
	03/30/18 15:00 EST		0	Marine Thunderstorm Wind (MG 34 kt)
	03/30/18 15:00 EST		0	Source: Mesonet

A wind gust of 34 knots was reported at Lewisetta.

A strong cold front passed through. Gusty showers developed along and ahead of the boundary.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA				
	03/02/18 09:32 EST		0	High Wind (MAX 57 kt)
	03/03/18 00:41 EST	1	0	

A low pressure system moving eastward from the central United States on Thursday March 1st, intensified rapidly as it moved offshore Thursday night and early Friday, deepening to 974 mb by the evening of Friday March 2nd.

Strong winds were present in the low levels of the atmosphere due to the strengthening pressure gradient, and were able to mix down to the surface in strong wind gusts under northwest flow cold air advection.

(DC-Z001) DISTRICT OF COLUMBIA				
	03/06/18 23:12 EST		0	Coastal Flood
	03/07/18 12:17 EST		0	

A strong onshore flow led to moderate tidal flooding.

(DC-Z001) DISTRICT OF COLUMBIA

Storm Data and Unusual Weather Phenomena - March 2018

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/20/18 12:00 EST		0	Winter Weather
	03/21/18 13:00 EST		0	

A wave of low pressure passed by to the south on the 20th. At the same time, high pressure was building to the north and this caused cold air to filter in from New England. Rain changed to a wintry mix on the 20th and a light wintry mix continued through the night of the 20th. Coastal low pressure developed along the Mid-Atlantic Coast on the morning of the 21st. This caused a period of heavier precipitation to fall mainly in the form of snow. The snow tapered off later in the day as the low moved off to the north and east.

MARYLAND, Central

(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-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (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

03/02/18 00:15 EST	1	0	High Wind (MAX 60 kt)
03/03/18 00:41 EST	2	0	

Direct Fatalities: F77OU

A low pressure system moving eastward from the central United States on Thursday March 1st, intensified rapidly as it moved offshore Thursday night and early Friday, deepening to 974 mb by the evening of Friday March 2nd.

Strong winds were present in the low levels of the atmosphere due to the strengthening pressure gradient, and were able to mix down to the surface in strong wind gusts under northwest flow cold air advection.

(MD-Z014) ANNE ARUNDEL, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

03/06/18 05:03 EST		0	Coastal Flood
03/07/18 10:10 EST		0	

A strong onshore flow led to moderate tidal flooding.

(MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z507) NORTHWEST HARFORD

03/06/18 21:00 EST		0	Winter Weather
03/07/18 12:00 EST		0	

Coastal low pressure developed of the Mid-Atlantic Coast. A period of snow developed over eastern and northeastern Maryland before the low intensified and moved off to the north and east.

(MD-Z501) EXTREME WESTERN ALLEGANY

03/08/18 18:00 EST		0	Winter Weather
03/09/18 10:00 EST		0	

Cold and moist air moving over the mountains led to a period of snow along and west of the Allegheny Front.

(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-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (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

03/20/18 05:00 EST		0	Winter Storm
03/21/18 13:00 EST		0	

A wave of low pressure passed by to the south on the 20th. At the same time, high pressure was building to the north and this caused cold air to filter in from New England. Rain changed to a wintry mix on the 20th. There was enough cold air for a period of heavier snow across northern Maryland with snow, sleet and freezing rain elsewhere. A light wintry mix continued for all areas on the night of the 20th. Coastal low pressure developed along the Mid-Atlantic Coast on the morning of the 21st. This caused a round of heavier precipitation to fall mainly in the form of snow. The snow tapered off later in the day as the low moved off to the north and east.

Storm Data and Unusual Weather Phenomena - March 2018

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

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (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-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

03/01/18 21:30 EST			0	High Wind (MAX 61 kt)
03/03/18 00:41 EST		1	0	

A low pressure system moving eastward from the central United States on Thursday March 1st, intensified rapidly as it moved offshore Thursday night and early Friday, deepening to 974 mb by the evening of Friday March 2nd.

Strong winds were present in the low levels of the atmosphere due to the strengthening pressure gradient, and were able to mix down to the surface in strong wind gusts under northwest flow cold air advection.

(VA-Z503) WESTERN HIGHLAND

03/08/18 18:00 EST			0	Winter Weather
03/09/18 10:00 EST			0	

Cold and moist air moving over the mountains led to a period of snow along and west of the Allegheny Front.

(VA-Z025) AUGUSTA, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

03/12/18 02:00 EST			0	Winter Storm
03/12/18 13:00 EST			0	

(VA-Z026) ROCKINGHAM, (VA-Z037) ALBEMARLE, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE

03/12/18 02:00 EST			0	Winter Weather
03/12/18 12:00 EST			0	

Low pressure passed by to the south and high pressure filtered in cold air from the north. A tight gradient developed with the precipitation, but it was far enough to the north for snow to develop over central Virginia.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (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-Z501) NORTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

03/20/18 05:00 EST			0	Winter Storm
03/21/18 13:00 EST			0	

(VA-Z036) NELSON, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER

03/20/18 12:00 EST			0	Winter Weather
03/21/18 13:00 EST			0	

A wave of low pressure passed by to the south on the 20th. At the same time, high pressure was building to the north and this caused cold air to filter in from New England. Rain changed to a wintry mix on the 20th. A light wintry mix continued for all areas on the night of the 20th. Coastal low pressure developed along the Mid-Atlantic Coast on the morning of the 21st. This caused a round of heavier precipitation to fall mainly in the form of snow. The snow tapered off later in the day as the low moved off to the north and east.

WEST VIRGINIA, East

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/01/18 21:24 EST		0	High Wind (MAX 56 kt)
	03/02/18 19:57 EST		0	

A low pressure system moving eastward from the central United States on Thursday March 1st, intensified rapidly as it moved offshore Thursday night and early Friday, deepening to 974 mb by the evening of Friday March 2nd.

Strong winds were present in the low levels of the atmosphere due to the strengthening pressure gradient, and were able to mix down to the surface in strong wind gusts under northwest flow cold air advection.

(WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON

03/02/18 00:00 EST	0	Winter Weather
03/02/18 10:00 EST	0	

Cold air flowing over the mountains caused snow for locations along and west of the Allegheny Front.

(WV-Z501) WESTERN GRANT

03/08/18 18:00 EST	0	Winter Storm
03/09/18 10:00 EST	0	

(WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON

03/08/18 18:00 EST	0	Winter Weather
03/09/18 10:00 EST	0	

Cold and moist air moving over the mountains led to a period of snow along and west of the Allegheny Front.

(WV-Z501) WESTERN GRANT

03/13/18 20:00 EST	0	Winter Storm
03/14/18 13:00 EST	0	

(WV-Z505) WESTERN PENDLETON

03/13/18 20:00 EST	0	Winter Weather
03/14/18 12:00 EST	0	

Cold air flowing over the mountains caused snow for locations along and west of the Allegheny Front.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z055) HARDY, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL

03/20/18 05:00 EST	0	Winter Storm
03/21/18 13:00 EST	0	

(WV-Z501) WESTERN GRANT

03/20/18 05:00 EST	0	Winter Weather
03/21/18 13:00 EST	0	

A wave of low pressure passed by to the south on the 20th. At the same time, high pressure was building to the north and this caused cold air to filter in from New England. Rain changed to a wintry mix on the 20th. There was enough cold air for a period of heavier snow around midday. A light wintry mix continued on the night of the 20th. Coastal low pressure developed along the Mid-Atlantic Coast on the morning of the 21st. This caused a round of heavier precipitation to fall mainly in the form of snow. The snow tapered off later in the day as the low moved off to the north and east.