

## Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### DISTRICT OF COLUMBIA

#### (DC-Z001) DISTRICT OF COLUMBIA

	03/01/15 08:00 EST	0	0	Winter Weather
	03/01/15 20:00 EST	0	0	

Widespread precipitation was produced ahead of an approaching cold front. Southerly flow overrunning near freezing surface temperatures led to the main precipitation type being freezing rain.

#### (DC-Z001) DISTRICT OF COLUMBIA

	03/02/15 00:35 EST	0	0	Dense Fog
	03/02/15 04:00 EST	0	0	

Southerly flow ahead of an approaching cold front led to increased low level moisture east of the Blue Ridge. A strong inversion allowed the trapped moisture to develop into areas to widespread dense fog.

#### (DC-Z001) DISTRICT OF COLUMBIA

	03/03/15 12:00 EST	0	0	Winter Weather
	03/03/15 19:00 EST	0	0	

A warm front lifting north through the area resulted in light freezing rain and sleet.

#### (DC-Z001) DISTRICT OF COLUMBIA

	03/05/15 08:00 EST	0	0	Winter Storm
	03/05/15 18:00 EST	0	0	

A cold front brought widespread heavy snow to the area with a strong convergence zone aligning across northern Virginia into eastern Maryland resulting in mesoscale banding and higher snow totals.

### MARYLAND, Central

#### (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (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

	03/01/15 06:00 EST	0	0	Winter Weather
	03/01/15 19:00 EST	0	0	

Widespread precipitation was produced ahead of an approaching cold front. Southerly flow overrunning near freezing surface temperatures led to the main precipitation type being freezing rain.

#### (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-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

	03/01/15 08:00 EST	0	0	Ice Storm
	03/01/15 20:00 EST	0	0	

Widespread precipitation was produced ahead of an approaching cold front. Southerly flow overrunning near freezing surface temperatures led to the main precipitation type being freezing rain.

#### (MD-Z017) ST. MARY'S

	03/02/15 05:00 EST	0	0	Dense Fog
	03/02/15 07:35 EST	0	0	

Southerly flow ahead of an approaching cold front led to increased low level moisture east of the Blue Ridge. A strong inversion allowed the trapped moisture to develop into areas to widespread dense fog.

#### (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-Z508) SOUTHEAST HARFORD

## Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/03/15 12:00 EST		0	Winter Weather
	03/03/15 20:00 EST		0	

A warm front lifting north through the area resulted in light freezing rain and sleet.

(MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD, (MD-Z508) SOUTHEAST HARFORD

	03/04/15 16:00 EST		0	Dense Fog
	03/04/15 20:30 EST		0	

Strong moisture advection ahead of an approaching cold front resulted in areas of dense fog across central and eastern Maryland.

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

	03/04/15 18:00 EST		0	Winter Weather
	03/05/15 16:00 EST		0	

(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

	03/05/15 04:00 EST		0	Winter Storm
	03/05/15 20:00 EST		0	

A cold front brought widespread heavy snow to the area with a strong convergence zone aligning across northern Virginia into eastern Maryland resulting in mesoscale banding and higher snow totals.

BALTIMORE COUNTY --- 0.5 WNW GLENCOE [39.55, -76.64], 0.6 W GLENCOE [39.55, -76.64], 0.6 W GLENCOE [39.55, -76.64], 0.4 W GLENCOE [39.55, -76.64]

	03/05/15 06:15 EST		0	Flood (due to Ice Jam)
	03/05/15 19:38 EST		0	Source: River/Stream Gage

The Gunpowder Falls near Glencoe gauge peaked at 10.95. Flooding was reported due to a ice jam on a small portion of Gunpowder Falls. Roads were closed in the area.

Warmer temperatures and rain led to ice-induced stream rises on many rivers across the Hydrologic Service Area.

(MD-Z003) WASHINGTON, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	03/10/15 20:40 EST		0	Dense Fog
	03/11/15 04:55 EST		0	

Saturated surface conditions and melting snowpack under a strong inversion led to areas of dense fog froming over central and western Maryland.

BALTIMORE COUNTY --- 0.5 W GLENCOE [39.55, -76.64], 0.6 W GLENCOE [39.55, -76.64], 0.6 W GLENCOE [39.55, -76.64], 0.5 W GLENCOE [39.55, -76.64]

	03/11/15 04:41 EST		0	Flood (due to Heavy Rain / Snow Melt)
	03/11/15 09:24 EST		0	Source: River/Stream Gage

Moderate rainfall and snow melt caused minor flooding along Gunpowder Falls in Glencoe community overnight. The gauge peaked at 7.69 feet at 0630 UTC.

BALTIMORE COUNTY --- 0.5 W GLENCOE [39.55, -76.64], 0.6 W GLENCOE [39.55, -76.64], 0.6 W GLENCOE [39.55, -76.64], 0.5 W GLENCOE [39.55, -76.64]

	03/11/15 21:51 EST		0	Flood (due to Heavy Rain / Snow Melt)
	03/12/15 03:21 EST		0	Source: River/Stream Gage

Snowmelt along with releases from an upstream dam caused minor flooding along Gunpowder Falls in the Glencoe community.

Low pressure moved along a warm front across the Mid-Atlantic. The combination of heavy rain and snow melt led to isolated areas of flooding.

(MD-Z004) FREDERICK

## Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/15/15 09:15 EST	1	0	Strong Wind (MAX 40 kt)
	03/15/15 09:15 EST		0	

Direct Fatalities: M36UT

Potent upper level low over New England resulted in strong winds aloft. Decent mixing brought winds between 40 and 50 mph to the surface, mainly at the higher elevations along and west of the Blue Ridge.

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(MD-Z003) WASHINGTON, (MD-Z501) EXTREME WESTERN ALLEGANY

03/20/15 02:00 EST	0	Winter Storm
03/20/15 13:00 EST	0	

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(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (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

03/20/15 04:00 EST	0	Winter Weather
03/20/15 13:00 EST	0	

Widespread precipitation formed as energy transferred from low pressure moving through the Ohio River Valley to a developing coastal low off the Carolinas. Snow was brief as a strengthening low level jet aided in transitioning the precipitation to rain by midday, limiting snow totals.

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(MD-Z005) CARROLL

03/21/15 05:25 EST	0	Dense Fog
03/21/15 08:00 EST	0	

Saturated low levels with nearly calm winds as high pressure built in led to patches of dense fog near daybreak.

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(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD

03/25/15 06:00 EST	0	Winter Weather
03/25/15 11:00 EST	0	

High pressure wedging combining with clearing skies resulted in temperatures dropping below freezing. An upper level disturbance passing to the north brought light precipitation to the area. Warm air advection aloft led to the precipitation falling mainly as freezing rain.

### VIRGINIA, North

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(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-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

03/01/15 06:00 EST	0	Winter Weather
03/01/15 20:00 EST	0	

Widespread precipitation was produced ahead of an approaching cold front. Southerly flow overrunning near freezing surface temperatures led to the main precipitation type being freezing rain.

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(VA-Z057) KING GEORGE

03/01/15 07:00 EST	0	Ice Storm
03/01/15 20:00 EST	0	

Widespread precipitation was produced ahead of an approaching cold front. Southerly flow overrunning near freezing surface temperatures led to the main precipitation type being freezing rain.

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(VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z506) EASTERN LOUDOUN

## Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/02/15 00:35 EST		0	Dense Fog
	03/02/15 09:00 EST		0	

Southerly flow ahead of an approaching cold front led to increased low level moisture east of the Blue Ridge. A strong inversion allowed the trapped moisture to develop into areas to widespread dense fog.

(VA-Z028) FREDERICK, (VA-Z053) FAIRFAX, (VA-Z057) KING GEORGE, (VA-Z503) WESTERN HIGHLAND, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN

	03/03/15 10:00 EST		0	Winter Weather
	03/03/15 19:00 EST		0	

A warm front lifting north through the area resulted in light freezing rain and sleet.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (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

	03/05/15 00:00 EST		0	Winter Storm
	03/05/15 20:00 EST		0	

A cold front brought widespread heavy snow to the area with a strong convergence zone aligning across northern Virginia into eastern Maryland resulting in mesoscale banding and higher snow totals.

(VA-Z030) WARREN

	03/10/15 20:15 EST		0	Dense Fog
	03/10/15 23:25 EST		0	

Saturated surface conditions and melting snowpack under a strong inversion led to areas of dense fog forming over central Virginia.

(VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE, (VA-Z502) SOUTHERN FAUQUIER

	03/11/15 18:35 EST		0	Dense Fog
	03/11/15 23:00 EST		0	

Moisture pooling ahead of a slow moving cold front resulted in areas of dense fog over portions of the Piedmont.

(VA-Z028) FREDERICK, (VA-Z031) CLARKE, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN

	03/20/15 04:00 EST		0	Winter Weather
	03/20/15 12:00 EST		0	

Widespread precipitation formed as energy transferred from low pressure moving through the Ohio River Valley to a developing coastal low off the Carolinas. Snow was brief as a strengthening low level jet aided in transitioning the precipitation to rain by midday, limiting snow totals.

(VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z040) RAPPAHANNOCK, (VA-Z501) NORTHERN FAUQUIER, (VA-Z505) WESTERN LOUDOUN, (VA-Z506) EASTERN LOUDOUN, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE

	03/25/15 04:00 EST		0	Winter Weather
	03/25/15 09:00 EST		0	

High pressure wedging combining with clearing skies resulted in temperatures dropping below freezing. An upper level disturbance passing to the north brought light precipitation to the area. Warm air advection aloft led to the precipitation falling mainly as freezing rain.

(VA-Z036) NELSON, (VA-Z052) PRINCE WILLIAM

	03/31/15 17:35 EST		0	High Wind (MAX 57 kt)
	03/31/15 17:40 EST		0	

The combination of a tight pressure gradient at the surface between departing high pressure and approaching low pressure along with a strong low level jet resulted in widespread strong winds, with isolated spots reaching high wind levels, especially across higher terrain.

## Storm Data and Unusual Weather Phenomena - March 2015

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WEST VIRGINIA, East</b>				
<b>(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</b>				
	03/01/15 06:00 EST	0		Winter Weather
	03/01/15 18:00 EST	0		
Widespread precipitation was produced ahead of an approaching cold front. Southerly flow overrunning near freezing surface temperatures led to the main precipitation type being freezing rain.				
<b>(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</b>				
	03/03/15 10:00 EST	0		Winter Weather
	03/03/15 20:00 EST	0		
A warm front lifting north through the area resulted in light freezing rain and sleet.				
<b>(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</b>				
	03/04/15 18:00 EST	0		Winter Storm
	03/05/15 16:00 EST	0		
A cold front brought widespread heavy snow to the area with a strong convergence zone aligning across northern Virginia into eastern Maryland resulting in mesoscale banding and higher snow totals.				
<b>(WV-Z050) HAMPSHIRE, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON</b>				
	03/20/15 04:00 EST	0		Winter Weather
	03/20/15 13:00 EST	0		
<b>(WV-Z051) MORGAN</b>				
	03/20/15 04:00 EST	0		Winter Storm
	03/20/15 13:00 EST	0		
Widespread precipitation formed as energy transferred from low pressure moving through the Ohio River Valley to a developing coastal low off the Carolinas. Snow was brief as a strengthening low level jet aided in transitioning the precipitation to rain by midday, limiting snow totals.				
<b>(WV-Z052) BERKELEY</b>				
	03/21/15 05:25 EST	0		Dense Fog
	03/21/15 08:15 EST	0		
Saturated low levels with nearly calm winds as high pressure built in led to patches of dense fog near daybreak.				
<b>(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL</b>				
	03/25/15 04:00 EST	0		Winter Weather
	03/25/15 09:00 EST	0		
High pressure wedging combining with clearing skies resulted in temperatures dropping below freezing. An upper level disturbance passing to the north brought light precipitation to the area. Warm air advection aloft led to the precipitation falling mainly as freezing rain.				