

Storm Data and Unusual Weather Phenomena - December 2016

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

(DC-Z001) DISTRICT OF COLUMBIA

	12/17/16 04:00 EST	0		Winter Weather
	12/17/16 11:00 EST	0		

Warm and moist air overran an arctic air mass that was in place. This resulted in a period of freezing rain that caused hazardous conditions.

MARYLAND, Central

(MD-Z501) EXTREME WESTERN ALLEGANY

	12/02/16 18:10 EST	0		Winter Weather
	12/03/16 07:00 EST	0		

A light upslope flow caused freezing drizzle and light freezing rain along and west of the Allegheny Front.

(MD-Z501) EXTREME WESTERN ALLEGANY

	12/04/16 18:00 EST	0		Winter Weather
	12/05/16 02:00 EST	0		

Rain moved through the area on the 4th into the 5th. However, there was a layer of cold air aloft that caused freezing rain in the higher elevations.

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

	12/07/16 07:00 EST	0		Winter Weather
	12/07/16 21:00 EST	0		

Rain moved through the area on the 6th. However, there was a layer of cold air aloft that caused freezing rain in the higher elevations.

(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-Z507) NORTHWEST HARFORD

	12/11/16 22:27 EST	0		Winter Weather
	12/12/16 04:30 EST	0		

A period of freezing rain occurred across northern Maryland late on the 11th into the 12th. This is because cold air was trapped near the surface while rain moved into the area.

(MD-Z501) EXTREME WESTERN ALLEGANY

	12/15/16 05:00 EST	0		Cold/Wind Chill
	12/16/16 06:00 EST	0		

Gusty northwest winds ushered in very cold conditions. The combination of the gusty winds and very cold conditions lead to low wind chill values.

(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-Z507) NORTHWEST HARFORD

	12/17/16 03:00 EST	0		Winter Storm
	12/17/16 12:00 EST	0		

(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-Z508) SOUTHEAST HARFORD

	12/17/16 04:00 EST	2	0	Winter Weather
	12/17/16 12:00 EST	12	0	

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Direct Fatalities: U??VE

Warm and moist air overran an arctic air mass that was in place. This resulted in a period of freezing rain that caused hazardous conditions.

(MD-Z501) EXTREME WESTERN ALLEGANY

12/18/16 08:00 EST	0	Winter Weather
12/18/16 10:00 EST	0	

A period of light freezing rain occurred along and west of the Allegheny Front.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

12/29/16 02:00 EST	0	Winter Weather
12/29/16 06:00 EST	0	

Low pressure passed by well to the west. There was enough cold air for a period of freezing rain before temperatures rose above freezing.

(MD-Z501) EXTREME WESTERN ALLEGANY

12/29/16 12:00 EST	0	Winter Weather
12/30/16 18:00 EST	0	

Cold and moist air flowed over the mountains, resulting in snow.

VIRGINIA, North

(VA-Z503) WESTERN HIGHLAND

12/02/16 19:00 EST	0	Winter Weather
12/03/16 07:00 EST	0	

A light upslope flow caused freezing drizzle and light freezing rain along and west of the Allegheny Front.

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

12/04/16 18:00 EST	0	Winter Weather
12/05/16 02:00 EST	0	

Rain moved through the area on the 4th into the 5th. However, there was a layer of cold air aloft that caused freezing rain in the higher elevations.

(VA-Z503) WESTERN HIGHLAND

12/06/16 05:00 EST	0	Winter Storm
12/06/16 21:00 EST	0	

(VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE

12/07/16 05:00 EST	0	Winter Weather
12/07/16 21:00 EST	0	

Rain moved through the area on the 6th. However, there was a layer of cold air aloft that caused freezing rain in the higher elevations.

(VA-Z028) FREDERICK, (VA-Z031) CLARKE, (VA-Z503) WESTERN HIGHLAND

12/11/16 22:37 EST	0	Winter Weather
12/12/16 04:30 EST	0	

A period of freezing rain occurred across northern Virginia late on the 11th into the 12th. This is because cold air was trapped near the surface while rain moved into the area.

Storm Data and Unusual Weather Phenomena - December 2016

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(VA-Z025) AUGUSTA, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN VIRGINIA BLUE RIDGE, (VA-Z508) CENTRAL VIRGINIA BLUE RIDGE				
	12/15/16 05:00 EST		0	Cold/Wind Chill
	12/16/16 06:00 EST		0	

Gusty northwest winds ushered in very cold conditions. The combination of the gusty winds and very cold conditions lead to low wind chill values.

(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-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				
	12/17/16 04:00 EST	1	0	Winter Weather
	12/17/16 12:00 EST	4	0	

Direct Fatalities: M??OU

Warm and moist air overran an arctic air mass that was in place. This resulted in a period of freezing rain that caused hazardous conditions.

(VA-Z027) SHENANDOAH				
	12/29/16 01:00 EST		0	Winter Weather
	12/29/16 04:00 EST		0	

Low pressure passed by well to the west. There was enough cold air for a period of freezing rain before temperatures rose above freezing.

(VA-Z503) WESTERN HIGHLAND				
	12/29/16 12:00 EST		0	Winter Storm
	12/30/16 18:00 EST		0	

Cold and moist air flowed over the mountains, resulting in snow.

WEST VIRGINIA, East

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON				
	12/02/16 18:10 EST		0	Winter Weather
	12/03/16 07:00 EST		0	

A light upslope flow caused freezing drizzle and light freezing rain along and west of the Allegheny Front.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON				
	12/04/16 18:00 EST		0	Winter Weather
	12/05/16 02:00 EST		0	

Rain moved through the area on the 4th into the 5th. However, there was a layer of cold air aloft that caused freezing rain in the higher elevations.

(WV-Z050) HAMPSHIRE, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL, (WV-Z505) WESTERN PENDLETON				
	12/06/16 05:00 EST		0	Winter Weather
	12/06/16 21:00 EST		0	

(WV-Z503) WESTERN MINERAL				
	12/06/16 07:00 EST		0	Winter Storm
	12/06/16 21:00 EST		0	

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Rain moved through the area on the 6th. However, there was a layer of cold air aloft that caused freezing rain in the higher elevations.

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

12/11/16 22:06 EST	0	Winter Weather
12/12/16 04:30 EST	0	

A period of freezing rain occurred across eastern West Virginia late on the 11th into the 12th. This is because cold air was trapped near the surface while rain moved into the area.

(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

12/15/16 05:00 EST	0	Cold/Wind Chill
12/16/16 06:00 EST	0	

Gusty northwest winds ushered in very cold conditions. The combination of the gusty winds and very cold conditions lead to low wind chill values.

(WV-Z051) MORGAN, (WV-Z052) BERKELEY

12/17/16 03:00 EST	0	Winter Storm
12/17/16 12:00 EST	0	

(WV-Z050) HAMPSHIRE, (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

12/17/16 04:00 EST	0	Winter Weather
12/17/16 11:00 EST	0	

Warm and moist air overran an arctic air mass that was in place. This resulted in a period of freezing rain that caused hazardous conditions.

(WV-Z503) WESTERN MINERAL

12/18/16 08:00 EST	0	Winter Weather
12/18/16 10:00 EST	0	

A period of light freezing rain occurred along and west of the Allegheny Front.

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

12/29/16 01:00 EST	0	Winter Weather
12/29/16 06:00 EST	0	

Low pressure passed by well to the west. There was enough cold air for a period of freezing rain before temperatures rose above freezing.

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

12/29/16 12:00 EST	0	Winter Storm
12/30/16 18:00 EST	0	

(WV-Z503) WESTERN MINERAL

12/29/16 12:00 EST	0	Winter Weather
12/30/16 18:00 EST	0	

Cold and moist air flowed over the mountains, resulting in snow.