

Storm Data and Unusual Weather Phenomena - March 2012

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

PATAPSCO RIVER INCLUDING BALTIMORE HARBOR COUNTY --- 4.3 NNW RIVIERA BEACH [39.22, -76.53]

	03/09/12 01:00 EST	0	Marine Thunderstorm Wind (EG 34 kt)
	03/09/12 01:06 EST	0	Source: Buoy

A wind gust in excess of 30 knots was reported at Key Bridge.

A cold front passed through the waters on the 9th. Strong forcing combined with limited instability, causing showers to develop. An isolated shower produced gusty winds.

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41]

	03/24/12 03:54 EST	0	Marine Thunderstorm Wind (MG 35 kt)
	03/24/12 03:54 EST	0	Source: ASOS

A wind gust of 35 knots was reported at Patuxent River.

An upper-level low triggered showers and isolated thunderstorms over the waters. An isolated thunderstorm did produce gusty winds.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

	03/22/12 04:15 EST	0	Dense Fog
	03/22/12 07:31 EST	0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(DC-Z001) DISTRICT OF COLUMBIA

	03/27/12 07:00 EST	0	Frost/Freeze
	03/27/12 07:00 EST	0	

A northwest flow around Canadian High Pressure caused temperatures to drop below freezing.

MARYLAND, Central

(MD-Z003) WASHINGTON, (MD-Z007) HARFORD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	03/01/12 01:11 EST	0	Dense Fog
	03/01/12 07:00 EST	0	

A warm front passed through northern Maryland on the first. Warm and moist air overran the cool air at the surface, causing areas of dense fog to develop.

(MD-Z017) ST. MARY'S

	03/05/12 07:00 EST	0	Winter Weather
	03/05/12 12:00 EST	0	

A potent area of low pressure tracked through southern Virginia during the morning and early afternoon hours of the 5th. A band of precipitation developed on the northern side of the low. There was enough cold air for precipitation to fall in the form of snow, and the heaviest snow was across lower southern Maryland.

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z009) MONTGOMERY

	03/17/12 01:45 EST	0	Dense Fog
	03/17/12 08:55 EST	0	

High pressure off the coast provided an onshore flow across the area. Moist air off the Atlantic Ocean resulted in areas of dense fog.

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(MD-Z014) ANNE ARUNDEL

	03/18/12 00:35 EST		0	Dense Fog
	03/18/12 07:54 EST		0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	03/20/12 02:16 EST		0	Dense Fog
	03/20/12 07:14 EST		0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(MD-Z009) MONTGOMERY, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	03/21/12 00:17 EST		0	Dense Fog
	03/21/12 08:48 EST		0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(MD-Z007) HARFORD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	03/22/12 00:04 EST		0	Dense Fog
	03/22/12 10:45 EST		0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD

	03/23/12 01:58 EST		0	Dense Fog
	03/23/12 10:00 EST		0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z018) CALVERT, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	03/26/12 23:00 EST		0	Frost/Freeze
	03/27/12 11:00 EST		0	

A northwest flow around Canadian High Pressure caused temperatures to drop below freezing across most locations.

(MD-Z501) EXTREME WESTERN ALLEGANY

	03/30/12 00:00 EST		0	Frost/Freeze
	03/30/12 05:30 EST		0	

Canadian high pressure built overhead, causing temperatures to dip below freezing across portions of the Allegheny Highlands.

VIRGINIA, North

(VA-Z025) AUGUSTA, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z050) ORANGE, (VA-Z056) SPOTSYLVANIA

	03/05/12 06:00 EST		0	Winter Storm
	03/05/12 13:00 EST		0	

(VA-Z026) ROCKINGHAM, (VA-Z036) NELSON, (VA-Z039) MADISON, (VA-Z051) CULPEPER, (VA-Z055) STAFFORD, (VA-Z057) KING GEORGE,

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(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND				
	03/05/12 06:00 EST		0	Winter Weather
	03/05/12 13:00 EST		0	
<p>A potent area of low pressure tracked through southern Virginia during the morning and early afternoon hours of the 5th. A band of precipitation developed on the northern side of the low. There was enough cold air for precipitation to fall in the form of snow, and the heaviest snow was across central Virginia.</p>				
(VA-Z042) LOUDOUN				
	03/16/12 23:35 EST		0	Dense Fog
	03/17/12 08:55 EST		0	
<p>High pressure off the coast provided an onshore flow across the area. Moist air off the Atlantic Ocean resulted in areas of dense fog.</p>				
(VA-Z029) PAGE, (VA-Z050) ORANGE				
	03/20/12 03:55 EST		0	Dense Fog
	03/20/12 09:35 EST		0	
<p>High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.</p>				
AUGUSTA COUNTY --- 0.3 WNW WEYERS CAVE [38.28, -78.91]				
	03/20/12 16:25 EST		0	Hail (1.00 in)
	03/20/12 16:25 EST		0	Source: Public
<p>Quarter sized hail was reported near Weyers Cave.</p>				
ROCKINGHAM COUNTY --- 0.7 ENE MELROSE [38.51, -78.79]				
	03/20/12 17:34 EST		0	Hail (1.75 in)
	03/20/12 17:34 EST		0	Source: Trained Spotter
<p>Golf ball sized hail was reported near Lacey Spring.</p>				
ROCKINGHAM COUNTY --- 1.6 S LACEY SPG [38.51, -78.77]				
	03/20/12 17:35 EST		0	Hail (1.00 in)
	03/20/12 17:35 EST		0	Source: Trained Spotter
<p>Quarter sized hail was reported near Lacey Spring.</p>				
ROCKINGHAM COUNTY --- 2.6 ESE MELROSE [38.49, -78.75]				
	03/20/12 17:37 EST		0	Hail (1.00 in)
	03/20/12 17:37 EST		0	Source: Trained Spotter
<p>Quarter sized hail was reported.</p>				
ROCKINGHAM COUNTY --- 3.7 ESE MELROSE [38.48, -78.74]				
	03/20/12 17:37 EST		0	Hail (1.50 in)
	03/20/12 17:37 EST		0	Source: Trained Spotter
<p>Hail up to the size of ping pong balls was reported near Massanutten.</p>				
ROCKINGHAM COUNTY --- 1.5 W SWIFT RUN GAP [38.37, -78.58]				
	03/20/12 18:26 EST		0	Hail (1.00 in)
	03/20/12 18:26 EST		0	Source: Public
<p>Quarter sized hail was reported at Swift Run.</p>				
<p>A southerly flow around high pressure over the Atlantic Ocean provided a warm and humid air mass. The warm and humid air caused moderate amounts of instability to develop. A surface trough acted as the lifting mechanism for thunderstorms to develop. The moderate instability caused some thunderstorms to produce large hail.</p>				
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (VA-Z051) CULPEPER, (VA-Z052) PRINCE				

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WILLIAM, (VA-Z053) FAIRFAX, (VA-Z501) NORTHERN FAUQUIER				
	03/21/12 00:55 EST		0	Dense Fog
	03/21/12 07:35 EST		0	
High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.				
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z029) PAGE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (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				
	03/22/12 01:02 EST		0	Dense Fog
	03/22/12 09:51 EST		0	
High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.				
(VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN, (VA-Z051) CULPEPER, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER				
	03/23/12 00:55 EST		0	Dense Fog
	03/23/12 10:00 EST		0	
High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.				
(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-Z042) LOUDOUN, (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				
	03/27/12 04:00 EST		0	Frost/Freeze
	03/27/12 09:00 EST		0	
A northwest flow around Canadian High Pressure caused temperatures to drop below freezing across most locations.				
SHENANDOAH COUNTY --- 0.9 WSW BIRD HAVEN [38.82, -78.80]				
	03/28/12 14:03 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	03/28/12 14:03 EST		0	Source: Public
Several small branches were knocked down. The largest branch was about two inches in diameter.				
SHENANDOAH COUNTY --- 0.6 NNE ORKNEY SPGS [38.81, -78.80]				
	03/28/12 14:05 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	03/28/12 14:05 EST		0	Source: Public
Branches were blown down in thunderstorm winds.				
SHENANDOAH COUNTY --- 2.4 E HUDSON XRDS [38.79, -78.68]				
	03/28/12 14:09 EST		10K	Thunderstorm Wind (EG 61 kt)
	03/28/12 14:09 EST		0	Source: Public
A barn was toppled by thunderstorm winds.				
SHENANDOAH COUNTY --- 2.4 N RINKERTON [38.78, -78.67]				
	03/28/12 14:10 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	03/28/12 14:10 EST		0	Source: Public
Small limbs were blown down in thunderstorm winds.				
SHENANDOAH COUNTY --- 1.0 N MT JACKSON [38.76, -78.65]				
	03/28/12 14:11 EST		1K	Thunderstorm Wind (EG 52 kt)
	03/28/12 14:11 EST		0	Source: Public
A tree was down due to thunderstorm winds.				

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SHENANDOAH COUNTY --- 1.2 N MT JACKSON [38.77, -78.65]				
	03/28/12 14:12 EST		5K	Thunderstorm Wind (EG 56 kt)
	03/28/12 14:12 EST		0	Source: Public

Several trees were down near Mount Jackson.

HIGHLAND COUNTY --- 0.6 N BLUE GRASS [38.51, -79.55]				
	03/28/12 14:40 EST		0	Hail (1.00 in)
	03/28/12 14:40 EST		0	Source: Public

Quarter sized hail was reported near Blue Grass.

A potent cold front passed through on the 28th. Limited instability ahead of the front combined with strong forcing, causing thunderstorms to develop. Some thunderstorms were able to produce damaging wind gusts and large hail.

WEST VIRGINIA, East

(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z504) EASTERN MINERAL				
	03/01/12 00:53 EST		0	Dense Fog
	03/01/12 05:05 EST		0	

A warm front passed through eastern West Virginia on the first. Warm and moist air overran the cool air at the surface, causing areas of dense fog to develop.

(WV-Z053) JEFFERSON				
	03/17/12 04:15 EST		0	Dense Fog
	03/17/12 08:00 EST		0	

High pressure off the coast provided an onshore flow across the area. Moist air off the Atlantic Ocean resulted in areas of dense fog.

(WV-Z053) JEFFERSON				
	03/23/12 04:00 EST		0	Dense Fog
	03/23/12 10:00 EST		0	

High pressure off the coast provided an onshore flow across the area. The onshore flow off the Atlantic Ocean resulted in areas of dense fog.

(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				
	03/26/12 21:00 EST		0	Frost/Freeze
	03/27/12 10:00 EST		0	

A northwest flow around Canadian High Pressure caused temperatures to drop below freezing across most locations.

HARDY COUNTY --- 6.8 SW LOST CITY [38.85, -78.90]				
	03/28/12 13:53 EST		0	Hail (1.00 in)
	03/28/12 13:53 EST		0	Source: Public

Quarter sized hail was reported near Mathias.

PENDLETON COUNTY --- 1.7 SW DRY RUN [38.60, -79.54]				
	03/28/12 17:07 EST		0	Hail (1.00 in)
	03/28/12 17:07 EST		0	Source: Trained Spotter

Quarter sized hail was reported near Cherry Grove.

A potent cold front passed through on the 28th. Limited instability ahead of the front combined with strong forcing, causing thunderstorms to develop. A couple thunderstorms produced large hail.

Storm Data and Unusual Weather Phenomena - March 2012

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(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL	03/30/12 00:00 EST		0	Frost/Freeze
	03/30/12 05:30 EST		0	

Canadian high pressure built overhead, causing temperatures to dip below freezing across portions of the Allegheny Highlands.