

Storm Data and Unusual Weather Phenomena - December 2012

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

(DC-Z001) DISTRICT OF COLUMBIA

	12/02/12 04:37 EST	0		Dense Fog
	12/02/12 09:56 EST	0		

High pressure was moving off the Mid Atlantic coast overnight. Abundant low level moisture and light winds contributed to fog development across the region.

(DC-Z001) DISTRICT OF COLUMBIA

	12/09/12 23:52 EST	0		Dense Fog
	12/10/12 07:52 EST	0		

High pressure across most of the Northeast and Mid Atlantic led to the development of dense fog across the region. Light winds and saturated low levels aided in fog development.

MARYLAND, Central

(MD-Z017) ST. MARY'S

	12/01/12 10:20 EST	0		Dense Fog
	12/01/12 22:10 EST	0		

A weak frontal boundary across the Baltimore/Washington DC metros led to southerly flow off the Atlantic and moisture to move into the region. Dense fog formed over parts of southern Maryland.

(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

	12/01/12 23:25 EST	0		Dense Fog
	12/02/12 11:20 EST	0		

High pressure was moving off the Mid Atlantic coast overnight. Abundant low level moisture and light winds contributed to fog development across the region.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL

	12/08/12 01:18 EST	0		Dense Fog
	12/08/12 10:00 EST	0		

A surface trough was draped across the Mid Atlantic from the panhandle of WV through North-Central Maryland and Northern Virginia and then Southern Maryland. Northerly flow north of the surface trough led to a cold air damming where trapped low clouds and fog developed and persisted in Northern Maryland.

(MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

	12/08/12 21:09 EST	0		Dense Fog
	12/09/12 09:00 EST	0		

A surface trough was draped across the Mid Atlantic from the panhandle of WV through North-Central Maryland and Northern Virginia and then Southern Maryland. Fog persisted along the I-95 corridor through the daytime and dense fog continued overnight especially for areas along and near the Chesapeake Bay.

(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-Z017) ST. MARY'S, (MD-Z018) CALVERT, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	12/09/12 19:19 EST	0		Dense Fog
	12/10/12 15:00 EST	0		

High pressure across most of the Northeast and Mid Atlantic led to the development of dense fog across the region. Light winds and saturated low levels aided in fog development.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT				
	12/16/12 23:44 EST		0	Dense Fog
	12/18/12 03:30 EST		0	
High pressure across most of the Northeast and Mid Atlantic led to the development of dense fog across the region. Light winds and saturated low levels aided in fog development.				
(MD-Z003) WASHINGTON, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	12/18/12 00:12 EST		0	Dense Fog
	12/18/12 06:15 EST		0	
Onshore flow continued in the Mid Atlantic region as high pressure continued to move off the coast. Areas in northeast Maryland and along the Chesapeake Bay had fog throughout the day. Moisture continued to move inland and impacted areas in Northern Maryland and the panhandle of WV.				
(MD-Z501) EXTREME WESTERN ALLEGANY				
	12/21/12 16:00 EST		0	Blizzard
	12/22/12 10:00 EST		0	
Intensifying low pressure over the Great Lakes with an associated cold front brought below freezing temperatures and snow to the Potomac Highlands. Windy northwest flow behind the cold front produced upslope snow showers and blizzard conditions.				
(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD				
	12/24/12 13:00 EST		0	Winter Weather
	12/24/12 19:00 EST		0	
Low pressure moved up the Ohio Valley and precipitation overspread the region. Warm air aloft moved over cold air at the surface and resulted in snow west of the Blue Ridge and in Northern Maryland. Temperatures were warm enough for rain east of the Blue Ridge and south of Baltimore city including Washington DC metro.				
(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD				
	12/25/12 00:06 EST		0	Dense Fog
	12/25/12 11:30 EST		0	
High pressure was located over the Atlantic Ocean and an upper trough of low pressure moved into the Ohio Valley. Flow between the exiting high and approaching low pressure caused onshore flow to develop that led to dense fog across the Mid Atlantic.				
(MD-Z003) WASHINGTON, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	12/26/12 04:00 EST		0	Winter Storm
	12/27/12 00:00 EST		0	
(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z014) ANNE ARUNDEL				
	12/26/12 08:00 EST		0	Winter Weather
	12/26/12 17:00 EST		0	
Parent low pressure moved up the Tennessee Valley towards the Mid Atlantic. As precipitation moved over the area, surface temperatures were below freezing and a wintery mix of sleet and freezing rain occurred. Low pressure continued to intensify across the Mid Atlantic and onward to New England. Wrap around moisture produced heavy snow showers in the higher elevations.				
(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z007) HARFORD, (MD-Z501) EXTREME WESTERN ALLEGANY				
	12/29/12 04:00 EST		0	Winter Weather
	12/30/12 07:00 EST		0	
Low pressure developed near Mississippi and moved northeast and across the Mid Atlantic. A secondary low formed off the Carolina coast and moved northeast. A wintery mix of rain and snow moved across the Mid Atlantic. Surface temperatures were above freezing which led to rain south and east of I-95. Snow did accumulate across parts of Northern Maryland and the panhandle of WV.				

Storm Data and Unusual Weather Phenomena - December 2012

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

(VA-Z040) RAPPAHANNOCK, (VA-Z042) LOUDOUN, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER

12/02/12 00:15 EST		0		Dense Fog
12/02/12 10:00 EST		0		

High pressure was moving off the Mid Atlantic coast overnight. Abundant low level moisture and light winds contributed to fog development across the region.

(VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z054) ARLINGTON, (VA-Z055) STAFFORD, (VA-Z057) KING GEORGE

12/09/12 21:55 EST		0		Dense Fog
12/10/12 13:09 EST		0		

High pressure across most of the Northeast and Mid Atlantic led to the development of dense fog across the region. Light winds and saturated low levels aided in fog development.

(VA-Z028) FREDERICK, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER

12/17/12 03:52 EST		0		Dense Fog
12/17/12 19:54 EST		0		

High pressure across most of the Northeast and Mid Atlantic led to the development of dense fog across the region. Light winds and saturated low levels aided in fog development.

(VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z051) CULPEPER

12/17/12 18:35 EST		0		Dense Fog
12/18/12 07:50 EST		0		

Onshore flow continued in the Mid Atlantic region as high pressure continued to move off the coast. Areas in northeast Maryland and along the Chesapeake Bay had fog throughout the day. Moisture continued to move inland and impacted areas in Northern Maryland and the panhandle of WV.

(VA-Z503) WESTERN HIGHLAND

12/21/12 16:00 EST		0		Blizzard
12/22/12 10:00 EST		0		

Intensifying low pressure over the Great Lakes with an associated cold front brought below freezing temperatures and snow to the Potomac Highlands. Windy northwest flow behind the cold front produced upslope snow showers and blizzard conditions.

(VA-Z029) PAGE, (VA-Z039) MADISON, (VA-Z503) WESTERN HIGHLAND

12/21/12 21:55 EST		0		High Wind (MAX 51 kt)
12/22/12 15:00 EST		0		

(VA-Z038) GREENE, (VA-Z040) RAPPAHANNOCK, (VA-Z504) EASTERN HIGHLAND

12/21/12 21:55 EST		0		Dense Fog
12/22/12 15:00 EST		0		

Strong low pressure was located over New England. A tight pressure gradient was located across the Mid Atlantic region that led to strong northwest winds to mix down to the surface especially higher elevations like the Allegheny Front.

(VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z042) LOUDOUN

12/24/12 11:00 EST		0		Winter Weather
12/24/12 19:00 EST		0		

Low pressure moved up the Ohio Valley and precipitation overspread the region. Warm air aloft moved over cold air at the surface and resulted in snow west of the Blue Ridge and in Northern Maryland. Temperatures were warm enough for rain east of the Blue Ridge and south of Baltimore city including Washington DC metro.

Storm Data and Unusual Weather Phenomena - December 2012

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-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-Z055) STAFFORD, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER				
	12/24/12 21:06 EST		0	Dense Fog
	12/25/12 13:35 EST		0	
High pressure was located over the Atlantic Ocean and an upper trough of low pressure moved into the Ohio Valley. Flow between the exiting high and approaching low pressure caused onshore flow to develop that led to dense fog across the Mid Atlantic.				
(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-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z501) NORTHERN FAUQUIER, (VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND				
	12/26/12 04:00 EST		0	Winter Weather
	12/27/12 13:00 EST		0	
(VA-Z503) WESTERN HIGHLAND				
	12/26/12 07:00 EST		0	Winter Storm
	12/27/12 00:00 EST		0	
Parent low pressure moved up the Tennessee Valley towards the Mid Atlantic. As precipitation moved over the area, surface temperatures were below freezing and a wintry mix of sleet and freezing rain occurred. Low pressure continued to intensify across the Mid Atlantic and onward to New England. Wrap around moisture produced heavy snow showers in the higher elevations.				
(VA-Z030) WARREN, (VA-Z503) WESTERN HIGHLAND				
	12/29/12 04:00 EST		0	Winter Weather
	12/30/12 07:00 EST		0	
Low pressure developed near Mississippi and moved northeast and across the Mid Atlantic. A secondary low formed off the Carolina coast and moved northeast. A wintry mix of rain and snow moved across the Mid Atlantic. Surface temperatures were above freezing which led to rain south and east of I-95. Snow did accumulate across parts of Northern Maryland and the panhandle of WV.				
WEST VIRGINIA, East				
(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON				
	12/02/12 01:50 EST		0	Dense Fog
	12/02/12 09:50 EST		0	
High pressure was moving off the Mid Atlantic coast overnight. Abundant low level moisture and light winds contributed to fog development across the region.				
(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON				
	12/08/12 06:08 EST		0	Dense Fog
	12/08/12 08:08 EST		0	
A surface trough was draped across the Mid Atlantic from the panhandle of WV through North-Central Maryland and Northern Virginia and then Southern Maryland. Fog persisted along the I-95 corridor through the daytime and dense fog continued overnight especially for areas along and near the Chesapeake Bay.				
(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z502) EASTERN GRANT, (WV-Z504) EASTERN MINERAL				
	12/10/12 02:18 EST		0	Dense Fog
	12/10/12 10:08 EST		0	
High pressure across most of the Northeast and Mid Atlantic led to the development of dense fog across the region. Light winds and saturated low levels aided in fog development.				
(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z504) EASTERN MINERAL				

Storm Data and Unusual Weather Phenomena - December 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	12/18/12 00:12 EST		0	Dense Fog
	12/18/12 05:50 EST		0	

Onshore flow continued in the Mid Atlantic region as high pressure continued to move off the coast. Areas in northeast Maryland and along the Chesapeake Bay had fog throughout the day. Moisture continued to move inland and impacted areas in Northern Maryland and the panhandle of WV.

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

	12/21/12 16:00 EST		0	Blizzard
	12/22/12 10:00 EST		0	

Intensifying low pressure over the Great Lakes with an associated cold front brought below freezing temperatures and snow to the Potomac Highlands. Windy northwest flow behind the cold front produced upslope snow showers and blizzard conditions.

(WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

	12/21/12 21:55 EST		0	High Wind (MAX 51 kt)
	12/22/12 10:55 EST		0	

Strong low pressure was located over New England. A tight pressure gradient was located across the Mid Atlantic region that led to strong northwest winds to mix down to the surface especially higher elevations like the Allegheny Front.

(WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY

	12/24/12 12:00 EST		0	Winter Weather
	12/24/12 19:00 EST		0	

Low pressure moved up the Ohio Valley and precipitation overspread the region. Warm air aloft moved over cold air at the surface and resulted in snow west of the Blue Ridge and in Northern Maryland. Temperatures were warm enough for rain east of the Blue Ridge and south of Baltimore city including Washington DC metro.

(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, (WV-Z505) WESTERN PENDLETON

	12/26/12 04:00 EST		0	Winter Storm
	12/27/12 12:00 EST		0	

(WV-Z053) JEFFERSON, (WV-Z506) EASTERN PENDLETON

	12/26/12 04:00 EST		0	Winter Weather
	12/27/12 00:00 EST		0	

Parent low pressure moved up the Tennessee Valley towards the Mid Atlantic. As precipitation moved over the area, surface temperatures were below freezing and a wintry mix of sleet and freezing rain occurred. Low pressure continued to intensify across the Mid Atlantic and onward to New England. Wrap around moisture produced heavy snow showers in the higher elevations.

(WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON

	12/29/12 04:00 EST		0	Winter Weather
	12/30/12 07:00 EST		0	

Low pressure developed near Mississippi and moved northeast and across the Mid Atlantic. A secondary low formed off the Carolina coast and moved northeast. A wintry mix of rain and snow moved across the Mid Atlantic. Surface temperatures were above freezing which led to rain south and east of I-95. Snow did accumulate across parts of Northern Maryland and the panhandle of WV.