

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
TANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWORTH ISLAND COUNTY --- 0.3 SSE CRISFIELD [37.97, -75.88]				
	04/09/12 21:15 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/09/12 21:35 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was reported at Crisfield.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41]				
	04/09/12 21:19 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/09/12 21:19 EST	0		Source: ASOS
A wind gust in excess of 30 knots was reported at Patuxent River.				
A trough of low pressure caused showers to develop over the waters. An couple showers were able to mix down gusty winds from aloft.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 1.3 SSE (DCA)REAGAN NATIONAL AIRPORT [38.83, -77.03]				
	04/21/12 17:52 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/21/12 17:52 EST	0		Source: ASOS
A wind gust in excess of 30 knots was measured at Reagan National.				
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- 1.5 E QUANTICO [38.50, -77.28]				
	04/21/12 17:56 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/21/12 17:56 EST	0		Source: Mesonet
A wind gust in excess of 30 knots was measured near Quantico.				
TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 2.4 SE WEST POTOMAC HIGH SCHOOL [38.76, -77.03]				
	04/21/12 18:10 EST	0		Marine Thunderstorm Wind (MG 35 kt)
	04/21/12 18:10 EST	0		Source: Mesonet
A wind gust of 35 knots was measured near the Indian Queen Elementary School.				
TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- POTOMAC BUOY [38.03, -76.34]				
	04/21/12 19:30 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	04/21/12 19:30 EST	0		Source: Buoy
A wind gust of 34 knots was reported at Piney Point.				
A cold front passed through the waters on the 21st. Warm and moist air ahead of the front caused instability to develop. The instability combined with forcing from the front to cause showers and thunderstorms. A few thunderstorms produced gusty winds.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 11.3 E CHESAPEAKE BEACH [38.72, -76.33]				
	04/22/12 08:59 EST	0		Marine Thunderstorm Wind (MG 34 kt)
	04/22/12 09:05 EST	0		Source: Mesonet
Wind gusts up to 34 knots were reported.				
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE POINT [38.43, -76.39]				
	04/22/12 14:06 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/22/12 14:12 EST	0		Source: Buoy
A wind gust in excess of 30 knots was reported at Cove Point.				
CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY --- 0.8 SSW PATUXENT RIVER ASOS [38.28, -76.41]				
	04/22/12 14:25 EST	0		Marine Thunderstorm Wind (EG 34 kt)
	04/22/12 14:25 EST	0		Source: ASOS
Wind gusts in excess of 30 knots were reported at Patuxent River.				

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Low pressure caused showers across the waters on the 22nd. A couple showers were able to mix down gusty winds from aloft.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- 11.0 E CHESAPEAKE BEACH [38.72, -76.34]

04/28/12 23:04 EST		0		Marine Thunderstorm Wind (EG 34 kt)
04/28/12 23:04 EST		0		Source: Mesonet

A wind gust in excess of 30 knots was reported at Tilghman Island Elementary School.

A cold front passed through the waters, causing showers to develop. An isolated showers was able to mix down gusty winds from aloft.

MARYLAND, Central

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

04/03/12 05:00 EST		0		Frost/Freeze
04/03/12 07:00 EST		0		

High pressure overhead caused radiational cooling. Temperatures dipped near or below freezing during the early morning hours.

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

04/06/12 03:00 EST		0		Frost/Freeze
04/06/12 07:00 EST		0		

Canadian high pressure affected the weather pattern on the 6th. A northerly flow around the high ushered in cold air to the region.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

04/07/12 04:00 EST		0		Frost/Freeze
04/07/12 07:00 EST		0		

Canadian high pressure affected the weather pattern on the 7th. A northerly flow around the high ushered in cold air to the region.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z501) EXTREME WESTERN ALLEGANY

04/08/12 04:00 EST		0		Frost/Freeze
04/08/12 07:00 EST		0		

Canadian high pressure built directly overhead during the morning hours of the 8th. Radiational cooling led to chilly conditions during the early morning hours.

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

04/11/12 05:00 EST		0		Frost/Freeze
04/11/12 07:00 EST		0		

Canadian high pressure built toward the area. A northwest flow around this system ushered in chilly conditions during the early morning hours of the 11th.

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

04/12/12 05:00 EST		0		Frost/Freeze
04/12/12 07:00 EST		0		

Canadian high pressure built toward the area. A northerly flow around this system ushered in chilly conditions during the early morning hours of the 12th.

(MD-Z501) EXTREME WESTERN ALLEGANY

04/13/12 05:00 EST		0		Frost/Freeze
04/13/12 07:00 EST		0		

High pressure overhead allowed for mainly clear skies and light winds. Radiational cooling led to chilly conditions during the early morning hours of the 13th.

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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(MD-Z501) EXTREME WESTERN ALLEGANY

	04/14/12 05:00 EST		0	Frost/Freeze
	04/14/12 07:30 EST		0	

High pressure overhead caused chilly conditions during the early morning hours of the 14th.

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

	04/20/12 03:17 EST		0	Dense Fog
	04/20/12 08:16 EST		0	

High pressure overhead led to radiational cooling, which caused areas of dense fog to develop during the early morning hours.

(MD-Z501) EXTREME WESTERN ALLEGANY

	04/23/12 00:00 EST		0	Winter Weather
	04/23/12 15:00 EST		0	

Strong low pressure moved up the East Coast toward New England during the early morning hours of the 23rd. A northwest flow around the low was able to pick up moisture from the Great Lakes, causing snow showers across locations along and west of the Allegheny Front.

(MD-Z501) EXTREME WESTERN ALLEGANY

	04/23/12 06:00 EST		0	Frost/Freeze
	04/23/12 07:30 EST		0	

Radiational cooling due to high pressure overhead caused chilly conditions.

(MD-Z501) EXTREME WESTERN ALLEGANY

	04/23/12 20:00 EST		0	Frost/Freeze
	04/24/12 07:00 EST		0	

Low pressure developed over New England. A westerly flow around this system ushered in chilly air across western Maryland.

(MD-Z501) EXTREME WESTERN ALLEGANY

	04/28/12 07:00 EST		0	Frost/Freeze
	04/28/12 07:00 EST		0	

High pressure overhead caused chilly conditions during the early morning hours of the 28th across western Maryland.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z502) CENTRAL AND EASTERN ALLEGANY

	04/29/12 03:57 EST		0	Dense Fog
	04/29/12 09:10 EST		0	

High pressure produced mainly clear skies and light winds on the early morning hours of the 29th. Radiational cooling led to areas of dense fog.

VIRGINIA, North

(VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

	04/06/12 03:00 EST		0	Frost/Freeze
	04/06/12 07:30 EST		0	

Canadian high pressure affected the weather pattern on the 6th. A northerly flow around the high ushered in cold air to the region.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z039) MADISON, (VA-Z042) LOUDOUN, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/07/12 02:00 EST		0	Frost/Freeze
	04/07/12 07:00 EST		0	

Canadian high pressure affected the weather pattern on the 7th. A northerly flow around the high ushered in cold air to the region.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/08/12 02:00 EST	0	Frost/Freeze
04/08/12 07:00 EST	0	

Canadian high pressure built directly overhead during the morning hours of the 8th. Radiational cooling led to chilly conditions during the early morning hours.

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/09/12 05:00 EST	0	Frost/Freeze
04/09/12 07:30 EST	0	

A northwest flow between low pressure over New England and high pressure over the Great Lakes provided chilly conditions.

(VA-Z027) SHENANDOAH, (VA-Z029) PAGE, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/11/12 05:00 EST	0	Frost/Freeze
04/11/12 07:00 EST	0	

Canadian high pressure built toward the area. A northwest flow around this system ushered in chilly conditions during the early morning hours of the 11th.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/12/12 04:00 EST	0	Frost/Freeze
04/12/12 07:00 EST	0	

Canadian high pressure built toward the area. A northerly flow around this system ushered in chilly conditions during the early morning hours of the 12th.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/13/12 04:00 EST	0	Frost/Freeze
04/13/12 07:00 EST	0	

High pressure overhead allowed for mainly clear skies and light winds. Radiational cooling led to chilly conditions during the early morning hours of the 13th.

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/14/12 03:00 EST	0	Frost/Freeze
04/14/12 07:30 EST	0	

High pressure overhead caused chilly conditions during the early morning hours of the 14th.

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/15/12 03:00 EST	0	Frost/Freeze
04/15/12 07:30 EST	0	

High pressure overhead caused chilly conditions during the early morning hours of the 15th.

(VA-Z502) SOUTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

04/20/12 01:00 EST	0	Dense Fog
04/20/12 08:30 EST	0	

High pressure overhead led to radiational cooling, which caused areas of dense fog to develop during the early morning hours.

(VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/24/12 05:00 EST		0	Frost/Freeze
	04/24/12 07:00 EST		0	

Low pressure developed over New England. A westerly flow around this system ushered in chilly air across western Virginia.

(VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z051) CULPEPER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND

	04/25/12 03:00 EST		0	Frost/Freeze
	04/25/12 07:30 EST		0	

High pressure overhead allowed for radiational cooling to cause chilly conditions during the early morning hours of the 25th.

(VA-Z503) WESTERN HIGHLAND

	04/28/12 06:30 EST		0	Frost/Freeze
	04/28/12 07:00 EST		0	

High pressure overhead caused chilly conditions during the early morning hours of the 28th across the Allegheny highlands in western Virginia.

(VA-Z031) CLARKE

	04/29/12 05:24 EST		0	Dense Fog
	04/29/12 07:53 EST		0	

High pressure produced mainly clear skies and light winds on the early morning hours of the 29th. Radiational cooling led to areas of dense fog.

WEST VIRGINIA, East

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

	04/03/12 04:00 EST		0	Frost/Freeze
	04/03/12 07:00 EST		0	

High pressure overhead caused radiational cooling. Temperatures dipped near or below freezing during the early morning hours.

(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON

	04/06/12 03:00 EST		0	Frost/Freeze
	04/06/12 07:30 EST		0	

Canadian high pressure affected the weather pattern on the 6th. A northerly flow around the high ushered in cold air to the region.

(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

	04/07/12 03:00 EST		0	Frost/Freeze
	04/07/12 07:00 EST		0	

Canadian high pressure affected the weather pattern on the 7th. A northerly flow around the high ushered in cold air to the region.

(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

	04/08/12 03:00 EST		0	Frost/Freeze
	04/08/12 07:00 EST		0	

Canadian high pressure built directly overhead during the morning hours of the 8th. Radiational cooling led to chilly conditions during the early morning hours.

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

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/09/12 05:00 EST		0	Frost/Freeze
	04/09/12 07:30 EST		0	

A northwest flow between low pressure over New England and high pressure over the Great Lakes provided chilly conditions.

(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

04/11/12 04:00 EST	0	Frost/Freeze
04/11/12 07:00 EST	0	

Canadian high pressure built toward the area. A northwest flow around this system ushered in chilly conditions during the early morning hours of the 11th.

(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT

04/12/12 05:00 EST	0	Frost/Freeze
04/12/12 07:00 EST	0	

Canadian high pressure built toward the area. A northerly flow around this system ushered in chilly conditions during the early morning hours of the 12th.

(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

04/13/12 04:00 EST	0	Frost/Freeze
04/13/12 07:00 EST	0	

High pressure overhead allowed for mainly clear skies and light winds. Radiational cooling led to chilly conditions during the early morning hours of the 13th.

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

04/14/12 03:00 EST	0	Frost/Freeze
04/14/12 07:30 EST	0	

High pressure overhead caused chilly conditions during the early morning hours of the 14th.

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

04/15/12 03:00 EST	0	Frost/Freeze
04/15/12 07:30 EST	0	

High pressure overhead caused chilly conditions during the early morning hours of the 15th.

(WV-Z501) WESTERN GRANT

04/20/12 06:00 EST	0	Frost/Freeze
04/20/12 07:30 EST	0	

Radiational cooling due to high pressure overhead caused chilly conditions.

(WV-Z501) WESTERN GRANT

04/21/12 06:00 EST	0	Frost/Freeze
04/21/12 07:30 EST	0	

High pressure overhead caused chilly conditions due to radiational cooling.

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

04/23/12 00:00 EST	0	Winter Weather
04/23/12 15:00 EST	0	

Strong low pressure moved up the East Coast toward New England during the early morning hours of the 23rd. A northwest flow around the low was able to pick up moisture from the Great Lakes, causing snow showers across locations along and west of the Allegheny Front.

Storm Data and Unusual Weather Phenomena - April 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WV-Z501) WESTERN GRANT				
	04/23/12 06:00 EST	0		Frost/Freeze
	04/23/12 07:30 EST	0		
Radiational cooling due to high pressure overhead caused chilly conditions.				
(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON				
	04/23/12 20:00 EST	0		Frost/Freeze
	04/24/12 07:00 EST	0		
Low pressure developed over New England. A westerly flow around this system ushered in chilly air across eastern West Virginia.				
(WV-Z050) HAMPSHIRE, (WV-Z055) HARDY, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON				
	04/25/12 03:00 EST	0		Frost/Freeze
	04/25/12 07:30 EST	0		
High pressure overhead allowed for radiational cooling to cause chilly conditions during the early morning hours of the 25th.				
(WV-Z501) WESTERN GRANT, (WV-Z503) WESTERN MINERAL				
	04/28/12 06:00 EST	0		Frost/Freeze
	04/28/12 07:00 EST	0		
High pressure overhead caused chilly conditions during the early morning hours of the 28th across the Allegheny highlands in eastern West Virginia.				
(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z504) EASTERN MINERAL				
	04/29/12 03:57 EST	0		Dense Fog
	04/29/12 07:53 EST	0		
High pressure produced mainly clear skies and light winds on the early morning hours of the 29th. Radiational cooling led to areas of dense fog.				