Deaths &

Property &

Event Type and Details

Date/Time

Location

		Injuries	Crop Dmg	
ATLANTIC NORTH				
PATAPSCO RIVER INCLUDING BALT	IMORE HARBOR COUNTY 4.3 NNW 05/10/13 20:38 EST	RIVIERA BEACH	[39.22 , - 76.53]	Marine Thunderstorm Wind (EG 34 kt)
	05/10/13 20:38 EST		0	Source: Mesonet
	03/10/13 20:30 E31		Ü	Source: Wesoner
Wind gusts in excess of 31 knots were	measured at Key Bridge.			
CHESAPEAKE BAY POOLES IS TO S	ANDY PT MD COUNTY 0.2 NNW PA	TAPSCO BUOY [3	9.15, -76.39]	
	05/10/13 21:00 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/10/13 21:00 EST		0	Source: Buoy
Wind gusts in excess of 31 knots were	measured at Patapsco Buoy.			
CHESAPEAKE BAY N OF POOLES IS	MD COUNTY 5.4 SE SUSQUEHANN	NA [39.50, -75.99]		
	05/10/13 21:19 EST	-	0	Marine Thunderstorm Wind (EG 37 kt)
	05/10/13 21:44 EST		0	Source: Mesonet
Wind gusts of 37 knots were measured	at North Bay North East.			
IIDAL POTOMAC INDIAN HD TO COE	BB IS MD COUNTY 0.5 E QUANTICO	[38.50, -77.30]	0	Marina Thundaratorm Wind (MC 25 Lt)
	05/10/13 21:30 EST		0	Marine Thunderstorm Wind (MG 35 kt)
	05/10/13 21:30 EST		0	Source: ASOS
Wind gusts of 35 knots were measured	I at Quantico.			
CHESAPEAKE BAY SANDY PT TO N	BEACH MD COUNTY THOMAS POI	NT LIGHT [38.90, -	76.44]	
CHESAPEAKE BAY SANDY PT TO N	BEACH MD COUNTY THOMAS POIL 05/10/13 22:00 EST	NT LIGHT [38.90, -	76.44]	Marine Thunderstorm Wind (EG 34 kt)
CHESAPEAKE BAY SANDY PT TO N		NT LIGHT [38.90, -	-	Marine Thunderstorm Wind (EG 34 kt) Source: Buoy
	05/10/13 22:00 EST 05/10/13 22:00 EST	•	0	
	05/10/13 22:00 EST	•	0	
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache		0	Source: Buoy
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley.	d the mountains.	0 0 Southerly flow trai	Source: Buoy nsported moisture into
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley.	d the mountains.	0 0 Southerly flow trai	Source: Buoy nsported moisture into OWER HOOPERS ISLAND [39.15, -76.39]
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse. Indian associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST	d the mountains.	0 0 Southerly flow train JNTY 62.7 N LO	Source: Buoy Insported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt)
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley.	d the mountains.	0 0 Southerly flow trai	Source: Buoy nsported moisture into OWER HOOPERS ISLAND [39.15, -76.39]
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of TANGIER SOUND AND THE INLAND of	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST	d the mountains.	0 0 Southerly flow train JNTY 62.7 N LO	Source: Buoy Insported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt)
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics vertically the second of the	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST	d the mountains.	0 0 Southerly flow train JNTY 62.7 N LO 0 0	Source: Buoy Insported moisture into OWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v TANGIER SOUND AND THE INLAND v Winds gusts of 35 knots were measure	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST	d the mountains.	0 0 Southerly flow train JNTY 62.7 N LO 0 0	Source: Buoy Insported moisture into OWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v TANGIER SOUND AND THE INLAND v Winds gusts of 35 knots were measure	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy.	d the mountains.	0 0 Southerly flow train JNTY 62.7 N LO 0 0	Source: Buoy Insported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04]
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley an the region. Upper level jet dynamics v TANGIER SOUND AND THE INLAND v Winds gusts of 35 knots were measure	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWO 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy. WATERS SURROUNDING BLOODSWO 05/11/13 23:44 EST 05/11/13 23:44 EST	d the mountains.	0 0 Southerly flow train JNTY 62.7 N LO 0 0	Source: Buoy Insported moisture into OWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt)
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of TANGIER SOUND AND THE INLAND of Winds gusts of 35 knots were measure TANGIER SOUND AND THE INLAND of Wind gusts of 39 knots were measured.	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy. WATERS SURROUNDING BLOODSWC 05/11/13 23:44 EST 05/11/13 23:44 EST	d the mountains. ORTH ISLAND COL	0 0 8Southerly flow train 0 0 0 0 0 0 0 UNTY 0.4 SSW 5	Source: Buoy Insported moisture into OWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of the region. Upper level jet dynamics of the region of the region of the region. Winds gusts of 35 knots were measured that the region of	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWO 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy. WATERS SURROUNDING BLOODSWO 05/11/13 23:44 EST 05/11/13 23:44 EST	d the mountains. ORTH ISLAND COL	0 0 8Southerly flow train 0 0 0 0 0 0 0 UNTY 0.4 SSW 5	Source: Buoy Insported moisture into OWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of TANGIER SOUND AND THE INLAND of Winds gusts of 35 knots were measure TANGIER SOUND AND THE INLAND of Wind gusts of 39 knots were measured	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy. WATERS SURROUNDING BLOODSWC 05/11/13 23:44 EST 05/11/13 23:44 EST at Smith Island.	d the mountains. ORTH ISLAND COL	0 0 0 Southerly flow train JNTY 62.7 N LO 0 0 0 JNTY 0.4 SSW S	Source: Buoy Insported moisture into OWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of the region. Upper level jet dynamics of the region of the region of the region. Winds gusts of 35 knots were measured that the region of	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy. WATERS SURROUNDING BLOODSWC 05/11/13 23:44 EST 05/11/13 23:44 EST at Smith Island. WATERS SURROUNDING BLOODSWC 05/11/13 23:53 EST 05/12/13 00:03 EST	d the mountains. ORTH ISLAND COL	0 0 0 Southerly flow train JNTY 62.7 N LO 0 0 0 JNTY 0.4 SSW S 0 0	Source: Buoy Insported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet RISFIELD [37.97, -75.88] Marine Thunderstorm Wind (EG 44 kt)
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of the region. Upper level jet dynamics of the region of the region of the region. Winds gusts of 35 knots were measured that the region of	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWC 05/11/13 17:20 EST 05/11/13 17:20 EST and at the Patapsco Buoy. WATERS SURROUNDING BLOODSWC 05/11/13 23:44 EST 05/11/13 23:44 EST at Smith Island. WATERS SURROUNDING BLOODSWC 05/11/13 23:53 EST 05/12/13 00:03 EST	d the mountains. ORTH ISLAND COL	0 0 0 Southerly flow train JNTY 62.7 N LO 0 0 0 JNTY 0.4 SSW S 0 0	Source: Buoy Insported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet RISFIELD [37.97, -75.88] Marine Thunderstorm Wind (EG 44 kt)
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of the region of the regio	05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWO 05/11/13 17:20 EST 05/11/13 17:20 EST dat the Patapsco Buoy. WATERS SURROUNDING BLOODSWO 05/11/13 23:44 EST 05/11/13 23:44 EST dat Smith Island. WATERS SURROUNDING BLOODSWO 05/11/13 23:53 EST 05/12/13 00:03 EST dat Crisfield.	d the mountains. DRTH ISLAND COL	0 0 0 Southerly flow train JNTY 62.7 N LO 0 0 0 JNTY 0.4 SSW S 0 0	Source: Buoy Insported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet RISFIELD [37.97, -75.88] Marine Thunderstorm Wind (EG 44 kt) Source: Mesonet
Wind gusts in excess of 33 knots were Low pressure over the Ohio Valley and the region. Upper level jet dynamics of the region of the regio	05/10/13 22:00 EST 05/10/13 22:00 EST 05/10/13 22:00 EST measured at Thomas Point Lighthouse and an associated cold front approache were stronger across the Ohio Valley. WATERS SURROUNDING BLOODSWO 05/11/13 17:20 EST 05/11/13 17:20 EST et at the Patapsco Buoy. WATERS SURROUNDING BLOODSWO 05/11/13 23:44 EST 05/11/13 23:44 EST at Smith Island. WATERS SURROUNDING BLOODSWO 05/11/13 23:53 EST 05/12/13 00:03 EST	d the mountains. DRTH ISLAND COL	0 0 0 Southerly flow train JNTY 62.7 N LO 0 0 0 JNTY 0.4 SSW S 0 0	nsported moisture into DWER HOOPERS ISLAND [39.15, -76.39] Marine Thunderstorm Wind (EG 35 kt) Source: Buoy SMITH ISLAND [37.98, -76.04] Marine Thunderstorm Wind (EG 39 kt) Source: Mesonet RISFIELD [37.97, -75.88] Marine Thunderstorm Wind (EG 44 kt) Source: Mesonet

Low pressure and an associated cold front crossed the Mid Atlantic. Ahead of this system, southerly flow transported moisture into the

region. Thunderstorm wind damage was the main threat.

Page 1 of 9 Printed on: 09/11/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TANGIER SOUND AND THE INLAND WATER		ORTH ISLAND CO		
	05/16/13 17:42 EST		0	Marine Thunderstorm Wind (EG 49 kt)
	05/16/13 17:42 EST		0	Source: Mesonet
Wind gusts of 49 knots were measured at Bish	ops Head.			
TANGIER SOUND AND THE INLAND WATER	S SURROUNDING BLOODSWO	ORTH ISLAND CO	UNTY 0.1 ENE E	
	05/16/13 17:42 EST		0	Marine Thunderstorm Wind (EG 55 kt)
	05/16/13 17:42 EST		0	Source: Mesonet
Wind gusts of 55 knots were measured at Bish	ops Head.			
A cold front moved southward through the C Thunderstorms developed near this frontal b		few upper level di	sturbances moved	d over this region as well.
TIDAL POTOMAC KEY BRIDGE TO INDIAN H	D MD COUNTY 1.1 SE LYLE	S-CROUCH ACAL	DEMY ALEXANDR	
	05/23/13 17:40 EST		0	Marine Thunderstorm Wind (EG 43 kt)
	05/23/13 17:40 EST		0	Source: Buoy
Wind gusts of 43 knots were measured at Upp	er Potomac Buoy.			
TIDAL POTOMAC KEY BRIDGE TO INDIAN H	D MD COUNTY 0.2 NE (DCA)REAGAN NATIO	NAL AIRPORT [38	.85, -77.04]
	05/23/13 18:08 EST		0	Marine Thunderstorm Wind (EG 34 kt)
	05/23/13 18:17 EST		0	Source: ASOS
TIDAL POTOMAC INDIAN HD TO COBB IS MI	D COUNTY 0.2 W POTOMAC 05/23/13 23:09 EST	C LIGHT [38.34, -76	5.99] 0	Marine Thunderstorm Wind (EG 34 kt)
	05/23/13 23:09 EST		0	Source: Buoy
Wind gusts in excess of 33 knots were measur	ed at Potomac Light 33.			
A cold front was approaching from the west. Thunderstorms formed along a lee trough.	Ahead of it temperatures reac	hed their convect	ive temps and win	d speeds increased.
DISTRICT OF COLUMBIA				
DISTRICT OF COLUMBIA COUNTY ASSE	DOLLING AED (20.04 77.04)	4 0 SE BOLLING	NED 120 04 77 041	LOG CCE DOLLING AED 120 04
DISTRICT OF COLUMBIA COUNTY 0.9 SE -77.01], 0.8 SE BOLLING AFB [38.84, -77.01]	BOLLING AFB [30.04, -77.01],	1.0 SE BOLLING	AFB [30.04, -//.01]	, 0.0 33E BULLING APB [30.04,
	05/28/13 18:30 EST		0	Flash Flood (due to Heavy Rain)
	05/28/13 20:30 EST		0	Source: Emergency Manager
There was water covering on south bound Cap	oitol Street SE and Malcolm X Av	ve SE at the Overp	oass which was clo	sed.
A shortwave trough moved north of the region greatest. Scattered showers and thunderstor	=	-		nstability was the
MARYLAND, Central				
BALTIMODE CITY (C) COLINTY A 2 COM A	DDIITIIS 120 27 76 671			
BALTIMORE CITY (C) COUNTY 0.3 SSW A	05/08/13 14:54 EST		0	Hail (1.00 in)
	05/00/42 44-54 505		_	, , ,

Page 2 of 9 09/11/2013 Printed on:

Source: Public

Hail (1.00 in)

Source: Public

0

0

0

05/08/13 14:54 EST

05/08/13 15:45 EST

05/08/13 15:45 EST

MONTGOMERY COUNTY --- 1.5 NW POTOMAC [39.03, -77.24]

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
REDERICK COUNTY 0.8 SSW WALK				
	05/08/13 16:14 EST		0	Hail (1.00 in)
	05/08/13 16:14 EST		0	Source: Public
ow pressure tracked northeast of the Northeast of the Northeast of the Region and surface co		_		
MD-Z004) FREDERICK, (MD-Z009) MON	ITGOMERY, (MD-Z010) HOWARD			
	05/09/13 00:55 EST		0	Dense Fog
	05/09/13 07:15 EST		0	
Heavy rain occurred during the day as l cloud cover led to fog development ove	=	d Atlantic. Low le	vel moisture was i	n place and breaks in the
IARFORD COUNTY 0.3 W VALE [39.6	53, -76.41]			
	05/11/13 14:37 EST		0	Thunderstorm Wind (EG 52 kt)
	05/11/13 14:37 EST		1K	Source: County Official
There were trees down near intersection	of Carrs Mill Road and Wildwood Driv	/e.		
HARFORD COUNTY 1.2 NNE BEL AIF	R [39.55, -76.34]			
	05/11/13 15:48 EST		5K	Thunderstorm Wind (EG 56 kt)
	05/11/13 15:48 EST		1K	Source: Public
There were large trees on a house include	ing a Willow tree.			
There were large trees on a house includ	ing a Willow tree.			
	ILLE [39.58, -76.23]		0	Thunderstorm Wind (FG 74 kt)
			0 3K	Thunderstorm Wind (EG 74 kt) Source: Trained Spotter
There were large trees on a house includ	ILLE [39.58, -76.23] 05/11/13 15:57 EST			Thunderstorm Wind (EG 74 kt) Source: Trained Spotter
	ILLE [39.58, -76.23] 05/11/13 15:57 EST			
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold fr	ILLE [39.58, -76.23] 05/11/13 15:57 EST 05/11/13 15:57 EST	d of this system, s	3K	Source: Trained Spotter
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold frester the region. Thunderstorm wind damage	05/11/13 15:57 EST 05/11/13 15:57 EST 05/11/13 15:57 EST ont crossed the Mid Atlantic. Ahead		3K southerly flow tran	Source: Trained Spotter
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold frester the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FR	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Aheade was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY		3K Southerly flow tran	Source: Trained Spotter sported moisture into HOWARD, (MD-Z501) EXTREME
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold frester the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FR	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Ahead was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY O5/14/13 03:15 EST		3K southerly flow tran DMERY, (MD-Z010)	Source: Trained Spotter
HARFORD COUNTY 1.3 SSW GLENV	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Aheade was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY		3K Southerly flow tran	Source: Trained Spotter sported moisture into HOWARD, (MD-Z501) EXTREME
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold freshe region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FRESTERN ALLEGANY, (MD-Z502) CENT	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST cont crossed the Mid Atlantic. Ahead a was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY O5/14/13 03:15 EST O5/14/13 07:30 EST	ID-Z009) MONTGO	3K southerly flow tran DMERY, (MD-Z010) 0 0	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FRESTERN ALLEGANY, (MD-Z502) CENTERN ALLEGANY, (MD-Z502) CENTERN PRESSURE WAS OVERHEAD FOR THE SECOND THE	ODCK [39.70, -78.15] O5/11/13 15:57 EST O5/11/13 07:05 CARROLL, (NOTRAL AND EASTERN ALLEGANY O5/14/13 07:30 EST COCK [39.70, -78.15]	ID-Z009) MONTGO	3K southerly flow tran OMERY, (MD-Z010) 0 0 ne region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FRESTERN ALLEGANY, (MD-Z502) CENTERN ALLEGANY, (MD-Z502) CENTERN PRESSURE WAS OVERHEAD FOR THE SECOND THE	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Ahead was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY O5/14/13 03:15 EST O5/14/13 07:30 EST Cond consecutive day while cool dry tlantic. DCK [39.70, -78.15] O5/22/13 16:38 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) 0 0 ne region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Sies led to radiational Hail (1.00 in)
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FREE WESTERN ALLEGANY, (MD-Z502) CENTERN High pressure was overhead for the seconding overnight for most of the Mid Arterial SSW GLENV	ODCK [39.70, -78.15] O5/11/13 15:57 EST O5/11/13 07:05 CARROLL, (NOTRAL AND EASTERN ALLEGANY O5/14/13 07:30 EST COCK [39.70, -78.15]	ID-Z009) MONTGO	3K southerly flow tran OMERY, (MD-Z010) 0 0 ne region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FREE WESTERN ALLEGANY, (MD-Z502) CENT High pressure was overhead for the second of the Mid Act WASHINGTON COUNTY 1.4 E HANCO	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Ahead was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY O5/14/13 03:15 EST O5/14/13 07:30 EST Cond consecutive day while cool dry tlantic. DCK [39.70, -78.15] O5/22/13 16:38 EST O5/22/13 16:38 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) 0 0 ne region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Sies led to radiational Hail (1.00 in)
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FREE WESTERN ALLEGANY, (MD-Z502) CENT High pressure was overhead for the second of the Mid Act WASHINGTON COUNTY 1.4 E HANCO	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Ahead was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY O5/14/13 03:15 EST O5/14/13 07:30 EST Cond consecutive day while cool dry tlantic. DCK [39.70, -78.15] O5/22/13 16:38 EST O5/22/13 16:38 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) 0 0 ne region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Sies led to radiational Hail (1.00 in)
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FREE WESTERN ALLEGANY, (MD-Z502) CENT High pressure was overhead for the second of the Mid Act WASHINGTON COUNTY 1.4 E HANCO	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST Ont crossed the Mid Atlantic. Ahead was the main threat. REDERICK, (MD-Z005) CARROLL, (MTRAL AND EASTERN ALLEGANY O5/14/13 03:15 EST O5/14/13 07:30 EST Cond consecutive day while cool dry tlantic. DCK [39.70, -78.15] O5/22/13 16:38 EST O5/22/13 16:38 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) 0 0 0 0 0 0 0 0	Source: Trained Spotter Isported moisture into I HOWARD, (MD-Z501) EXTREME Frost/Freeze Ities led to radiational Hail (1.00 in) Source: Public
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FREE WESTERN ALLEGANY, (MD-Z502) CENTHIGH pressure was overhead for the seconding overnight for most of the Mid AllewASHINGTON COUNTY 1.4 E HANCO WASHINGTON COUNTY 1.3 NW MOF	O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST O5/11/13 15:57 EST O6/11/13 15:57 EST O6/11/13 15:57 EST O7/11/13 15:57 EST O7/11/13 15:57 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST O7/11/13 O7:30 EST	ID-Z009) MONTGO	3K Southerly flow trans OMERY, (MD-Z010) 0 0 ne region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Sies led to radiational Hail (1.00 in) Source: Public Hail (1.00 in)
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold free the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FREE WESTERN ALLEGANY, (MD-Z502) CENTHIGH pressure was overhead for the seconding overnight for most of the Mid AllewASHINGTON COUNTY 1.4 E HANCO WASHINGTON COUNTY 1.3 NW MOF	ODCK [39.70, -78.15] 05/22/13 17:41 EST 05/22/13 17:41 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) One region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Lies led to radiational Hail (1.00 in) Source: Public Hail (1.00 in) Source: Public
HARFORD COUNTY 1.3 SSW GLENV There were at least ten trees down. Low pressure and an associated cold frester the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FR	ODK [39.70, -78.15] 05/22/13 17:41 EST 05/22/13 18:25 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) One region. Clear sk O O	Source: Trained Spotter Sported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Sies led to radiational Hail (1.00 in) Source: Public Thunderstorm Wind (EG 56 kt)
There were at least ten trees down. Low pressure and an associated cold from the region. Thunderstorm wind damage (MD-Z003) WASHINGTON, (MD-Z004) FROM WESTERN ALLEGANY, (MD-Z502) CENTHIGH pressure was overhead for the seconding overnight for most of the Mid Allewashington County 1.4 E HANCO WASHINGTON COUNTY 1.3 NW MOF	ODCK [39.70, -78.15] 05/22/13 17:41 EST 05/22/13 17:41 EST	ID-Z009) MONTGO	OMERY, (MD-Z010) One region. Clear sk	Source: Trained Spotter Isported moisture into HOWARD, (MD-Z501) EXTREME Frost/Freeze Lies led to radiational Hail (1.00 in) Source: Public Hail (1.00 in) Source: Public

development of thunderstorms across the west of the Blue Ridge.

Page 3 of 9 Printed on: 09/11/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
	05/23/13 18:15 EST		0	Flash Flood (due to Heavy Rain)	
	05/23/13 20:15 EST		0	Source: COOP Observer	
ings Valley road at Kingstead Road were t	flooded.				
ONTGOMERY COUNTY 1.2 E CEDAR EDAR GROVE [39.25, -77.21]	GROVE [39.25, -77.21], 1.0 E CED	AR GROVE [39.25	, -77.21], 1.0 E CEI	DAR GROVE [39.25, -77.21], 1.2 E	
25/41 61:602 [66:26, 77:21]	05/23/13 18:30 EST		0	Flash Flood (due to Heavy Rain)	
	05/23/13 20:30 EST		0	Source: Trained Spotter	
oghouse Road was impassable at Magrud	ler Branch.				
OWARD COUNTY 0.4 ENE COOKSVIL	LE [39.32, -77.01], 0.3 NW COOKS	SVILLE [39.32, -77.	02], 0.2 WSW COC	OKSVILLE [39.32, -77.02], 0.3 ESE	
OOKSVILLE [39.32, -77.02]	05/23/13 18:43 EST		0	Flash Flood (due to Heavy Rain)	
	05/23/13 20:43 EST		0	Source: Department of Highways	
ID state route 97 was flooded and closed		4 near Cooksville			
OWARD COUNTY 0.9 NE HANOVER [: 76.72]	39.19, -76.72], 0.9 NE HANOVER [3	39.19, -76.72], 0.8 I	NE HANOVER [39.	19, -76.72], 0.9 NE HANOVER [39.19,	
	05/23/13 19:30 EST		0	Flash Flood (due to Heavy Rain)	
	05/23/13 21:30 EST		0	Source: Department of Highways	
here was a swift water rescue at Mcendre	e and Rover Mill Roads.				
	NSVILLE [39.22, -77.17], 1.1 W LA	YTONSVILLE [39.:	22, -77.17 <u>]</u> , 1.1 W L	AYTONSVILLE [39.22, -77.17], 1.0	
		YTONSVILLE [39.:			
	05/23/13 19:35 EST	YTONSVILLE [39.:	0	Flash Flood (due to Heavy Rain)	
MONTGOMERY COUNTY 1.0 W LAYTO N LAYTONSVILLE [39.22, -77.17]	05/23/13 19:35 EST 05/23/13 21:35 EST	YTONSVILLE [39.:			
V LAYTONSVILLE [39.22, -77.17]	05/23/13 19:35 EST 05/23/13 21:35 EST	YTONSVILLE [39.:	0	Flash Flood (due to Heavy Rain)	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was approaching from the we	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water.		0	Flash Flood (due to Heavy Rain) Source: Department of Highways	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was approaching from the we handerstorms formed along a lee trough	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach		0	Flash Flood (due to Heavy Rain) Source: Department of Highways	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was cold front was approaching from the we hunderstorms formed along a lee trough	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach		0	Flash Flood (due to Heavy Rain) Source: Department of Highways	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was cold front was approaching from the we hunderstorms formed along a lee trough	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach.		0 0 ve temps and wind	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased.	
/ LAYTONSVILLE [39.22, -77.17] /oodfield road at Churchill Downs Road water the cold front was approaching from the wealth the cold from	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach. PITOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST		0 0 ve temps and wind	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt)	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was cold front was approaching from the weighunderstorms formed along a lee trough IONTGOMERY COUNTY 0.3 SSW CAP	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach. etc. VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST		0 0 ve temps and wind 0 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was cold front was approaching from the weighunderstorms formed along a lee trough IONTGOMERY COUNTY 0.3 SSW CAP	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach n. etTOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea.		0 0 ve temps and wind 0 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt)	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was cold front was approaching from the we hunderstorms formed along a lee trough IONTGOMERY COUNTY 0.3 SSW CAP	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach. PITOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea.		0 0 ve temps and wind 0 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center	
V LAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was a cold front was approaching from the weighted the color from the was a lee troughted along a lee troughted the color from the was a tree down in the Kensington at the color of	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach n. etTOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea.		0 0 ve temps and wind 0 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt)	
Voodfield road at Churchill Downs Road was a cold front was approaching from the we hunderstorms formed along a lee trough MONTGOMERY COUNTY 0.3 SSW CAP There was a tree down in the Kensington as CHARLES COUNTY 0.6 ENE LA PLATA at tree limb fell on power lines.	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach. PITOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. 1[38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST	hed their convecti	0 0 ve temps and wind 0 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center	
VLAYTONSVILLE [39.22, -77.17] Voodfield road at Churchill Downs Road was cold front was approaching from the we hunderstorms formed along a lee trough IONTGOMERY COUNTY 0.3 SSW CAP THARLES COUNTY 0.6 ENE LA PLATA There limb fell on power lines. The cold front was approaching from the we hunderstorms formed along a lee trough	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach ett. VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. 1 [38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST	hed their convecti	0 0 ve temps and wind 0 0.25K 1K 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center	
Voodfield road at Churchill Downs Road was cold front was approaching from the weithunderstorms formed along a lee trough HONTGOMERY COUNTY 0.3 SSW CAPTHER WAS A tree down in the Kensington at CHARLES COUNTY 0.6 ENE LA PLATA A tree limb fell on power lines.	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach n. etTOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. a [38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST est. Ahead of it temperatures reach n. NY 05/25/13 04:00 EST	hed their convecti	0 0 ve temps and wind 0 0.25K 1K 0.25K ve temps and wind	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center	
Voodfield road at Churchill Downs Road was a cold front was approaching from the weathunderstorms formed along a lee trough MONTGOMERY COUNTY 0.3 SSW CAPT There was a tree down in the Kensington and CHARLES COUNTY 0.6 ENE LA PLATA A tree limb fell on power lines.	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach ett. VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. 1 [38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST	hed their convecti	0 0 ve temps and wind 0 0.25K 1K 0.25K	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center	
Voodfield road at Churchill Downs Road was a cold front was approaching from the wear induderstorms formed along a lee trough MONTGOMERY COUNTY 0.3 SSW CAP There was a tree down in the Kensington and CHARLES COUNTY 0.6 ENE LA PLATA at tree limb fell on power lines. A cold front was approaching from the wear induderstorms formed along a lee trough MD-Z501) EXTREME WESTERN ALLEGA	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach n. etTOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. a [38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST est. Ahead of it temperatures reach n. NY 05/25/13 04:00 EST 05/25/13 07:30 EST	hed their convecti	0 0 ve temps and wind 0 0.25K 1K 0.25K ve temps and wind 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center d speeds increased. Frost/Freeze	
Voodfield road at Churchill Downs Road was a cold front was approaching from the weathunderstorms formed along a lee trough MONTGOMERY COUNTY 0.3 SSW CAPThere was a tree down in the Kensington at CHARLES COUNTY 0.6 ENE LA PLATA A tree limb fell on power lines. A cold front was approaching from the weathunderstorms formed along a lee trough MD-Z501) EXTREME WESTERN ALLEGA	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach. PITOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. 1 [38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST 05/23/13 02:18 EST Pest. Ahead of it temperatures reach. NY 05/25/13 04:00 EST 05/25/13 07:30 EST area. Winds diminished overnight	hed their convecti	0 0 ve temps and wind 0 0.25K 1K 0.25K ve temps and wind 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center d speeds increased. Frost/Freeze	
	05/23/13 19:35 EST 05/23/13 21:35 EST as closed due to high water. est. Ahead of it temperatures reach. PITOL VIEW PARK [39.02, -77.05] 05/23/13 21:45 EST 05/23/13 21:45 EST rea. 1 [38.53, -76.97] 05/23/13 22:18 EST 05/23/13 22:18 EST 05/23/13 02:18 EST Pest. Ahead of it temperatures reach. NY 05/25/13 04:00 EST 05/25/13 07:30 EST area. Winds diminished overnight	hed their convecti	0 0 ve temps and wind 0 0.25K 1K 0.25K ve temps and wind 0 0	Flash Flood (due to Heavy Rain) Source: Department of Highways d speeds increased. Thunderstorm Wind (EG 52 kt) Source: 911 Call Center Thunderstorm Wind (EG 52 kt) Source: 911 Call Center d speeds increased. Frost/Freeze	

PRINCE GEORGE'S COUNTY --- 1.7 SSE CRESTVIEW MANOR [38.71, -76.88]

Page 4 of 9 Printed on: 09/11/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/28/13 18:40 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 18:40 EST		0.50K	Source: Trained Spotter
There was a tree down near 13200 block of Brand	dywine Road.			
PRINCE GEORGE'S COUNTY 1.7 SSE CRES	TVIEW MANOR [38.71, -76.89	9]		
	05/28/13 18:40 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 18:40 EST		0.50K	Source: Trained Spotter
There were two large trees down near 6700 Block	of Floral Park Road.			
PRINCE GEORGE'S COUNTY 0.9 SSW BRAN				
	05/28/13 18:41 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 18:41 EST		0.25K	Source: Trained Spotter
There was a tree down on the 8500 block of Timo	thy Road.			
PRINCE GEORGE'S COUNTY 1.1 SSW CHEL	TENHAM [38.72, -76.84]			
	05/28/13 18:45 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 18:45 EST		0.50K	Source: Trained Spotter
There were multiple tree branches about four incl	nes in diameter broken off an	d on the ground.		
PRINCE GEORGE'S COUNTY 1.2 NW NORTH	KEYS [38.71, -76.79]			
	05/28/13 18:50 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 18:50 EST		0.25K	Source: Public
There was a tree down near the intersection of Co	ross Road trail and North Key	s Road.		
PRINCE GEORGE'S COUNTY 1.4 W NORTH I	• •			
	05/28/13 18:50 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 18:50 EST		0.25K	Source: Public
There was a tree down on Molly Berry Road near	North Keys.			
A shortwave trough moved north of the region.	Organized convection devi	eloped near the I-9	5 corridor where i	instability was the
greatest. Scattered showers and thunderstorm	_	•		motubinty was the

NEEDON OODNII 0.5 NE NO	RWOOD [37.66, -78.82]		
	05/07/13 14:02 EST	0	Hail (1.00 in)
	05/07/13 14:02 EST	0	Source: 911 Call Center
NELSON COUNTY 1.4 N NOR	WOOD [37.67, -78.83]		
		•	Hoil (1 00 in)
	05/07/13 14:06 EST	0	Hail (1.00 in)
•	05/07/13 14:06 EST	0	Source: 911 Call Center
storms that produced heavy rai	05/07/13 14:06 EST	0 into the region and sur	Source: 911 Call Center
storms that produced heavy rai	05/07/13 14:06 EST the Mid Atlantic. Easterly flow transported moisture nfall, large hail and damaging winds.	0 into the region and sur	Source: 911 Call Center

GREENE COUNTY --- 0.9 N STANDARDSVILLE [38.31, -78.43], 0.7 N STANDARDSVILLE [38.31, -78.43], 0.6 N STANDARDSVILLE [38.31, -78.43], 0.7

NNW STANDARDSVILLE [38.31, -78.43]

Page 5 of 9 Printed on: 09/11/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/07/13 18:55 EST		0	Flash Flood (due to Heavy Rain)
	05/07/13 20:55 EST		0	Source: Department of Highways
Octonia Road was closed between Madison R	oad to Pocosan Mountain Road			
ow pressure tracked north of the Mid Atlan storms that produced heavy rainfall, large ha		noisture into the re	egion and surface	convergence led to
///A 7025\ ALICUSTA ///A 7026\ DOCKINGU	AM (VA ZOZZ) CUENANDOAU	()/A 7020) DACE	()/A 7020\ W/A DDE	TN (//A 7026) NELCON (//A 7027)
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGH/ ALBEMARLE, (VA-Z038) GREENE, (VA-Z039)				
CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA				
	05/08/13 19:55 EST		0	Dense Fog
	05/09/13 09:00 EST		0	
Heavy rain occurred during the day as low p		d Atlantic. Low le	vel moisture was i	in place and breaks in the
cloud cover led to fog development overnigh	nt.			
HIGHLAND COUNTY 0.7 WNW MC DOWE	LL [38.34, -79.49]			
	05/10/13 16:44 EST		0	Hail (1.00 in)
	05/10/13 16:44 EST		0	Source: Public
Mountain Oasis on west side of McDowell repo	orted hail.			
CLARKE COUNTY 3.2 SSE MILLWOOD [39	9.03, -78.01]			
	05/10/13 18:20 EST		0	Thunderstorm Wind (EG 52 kt)
	05/10/13 18:20 EST		1K	Source: 911 Call Center
There were large trees blocking Howellsville R	oad near the 7500 Block			
Low pressure over the Ohio Valley and an as			Southerly flow tra	ansported moisture into
the region. Upper level jet dynamics were st	ronger across the Ohio Valley.	•		
(VA-Z503) WESTERN HIGHLAND, (VA-Z504)	EASTERN HIGHLAND			
,	05/13/13 05:00 EST		0	Frost/Freeze
	05/13/13 07:30 EST		0	
High proceure moved everboad while sool d	mu air filtarad into the region (Noor okioo lad to r	adiational acaling	overnight for the
High pressure moved overhead while cool do western slopes of the Allegheny Front.	ry all ilitered litto the region. C	lear skies leu to i	adiational cooling	overnight for the
(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHA		,	RICK, (VA-Z029) P	PAGE, (VA-Z031) CLARKE, (VA-Z042)
LOUDOUN, (VA-Z503) WESTERN HIGHLAND	, (VA-2504) EASTERN HIGHLA 05/14/13 02:00 EST	ND	0	Frost/Freeze
	05/14/13 07:30 EST		0	11000110020
	00/11/10/01/00/201		ŭ	
High pressure was overhead for the second cooling overnight for most of the Mid Atlanti	-	y air filtered into th	ne region. Clear sk	xies led to radiational
ALBEMARLE COUNTY 1.0 NNE IVY [38.06	-		0	Thunderstorm Wind (EC 52 kt)
	05/16/13 13:59 EST 05/16/13 13:59 EST		0 0.50K	Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
	03/10/13 13.38 E31		0.50K	Source. Emergency Manager
There was a tree down near 1000 block of Ow	ensville Road.			
		few upper level d	isturbances move	ed over this region as well.
A cold front moved southward through the C	entral Foothills and stalled. A			· · · · · · · · · · · · · · · · · · ·
		Ton upper love a		
A cold front moved southward through the C Thunderstorms developed near this frontal b AUGUSTA COUNTY 2.5 ENE MIDDLEBRO	ooundary.			
Thunderstorms developed near this frontal b	ooundary.		0	Hail (1.00 in)
Thunderstorms developed near this frontal b	OK [38.06, -79.18]		0	Hail (1.00 in) Source: Public
Thunderstorms developed near this frontal b	OK [38.06, -79.18] 05/20/13 16:48 EST			
Thunderstorms developed near this frontal b	OK [38.06, -79.18] 05/20/13 16:48 EST 05/20/13 16:48 EST OK [38.06, -79.18]		0	Source: Public
Thunderstorms developed near this frontal b	OK [38.06, -79.18] 05/20/13 16:48 EST 05/20/13 16:48 EST			

Page 6 of 9 Printed on: 09/11/2013

Deaths &

Property &

Event Type and Details

Date/Time

Location

Thunderstorms formed along a lee trough.

		Injuries	Crop Dmg	
There were large tree limbs snapped from a M	aple Tree.			
A warm front and a upper level disturbance r minimal existed in the Central Foothills and t			s was in place.	Greater instability albeit
AUGUSTA COUNTY 1.6 SW MC KINLEY [3	38.03, -79.32], 1.8 SW MC KINLE	Y [38.03, -79.32],	1.9 SW MC KINL	EY [38.03, -79.32], 1.7 SW MC KINLEY
[38.03, -79.32]	05/20/13 17:23 EST		0	Flash Flood (due to Heavy Rain)
	05/20/13 19:23 EST		0	Source: 911 Call Center
A metal culver was washed out at 751 Walker	Creek Road.			
A warm front and a upper level disturbance r minimal existed in the Central Foothills and			s was in place. G	reater instability albeit
FREDERICK COUNTY 0.9 NNE GRIMES [3				TI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	05/22/13 16:38 EST 05/22/13 16:38 EST		0 0.50K	Thunderstorm Wind (EG 52 kt)
	05/22/13 10.36 EST		0.50K	Source: Trained Spotter
There were several four to five inch in diamete	r tree limbs down.			
AUGUSTA COUNTY 0.9 NNE PIEDMONT [:	•			Thursday May 4 (FO 50) ii
	05/22/13 18:00 EST		0 1k	Thunderstorm Wind (EG 52 kt)
	05/22/13 18:00 EST		1K	Source: Trained Spotter
There were a few trees and large branches do	wn.			
AUGUSTA COUNTY 1.0 N MT MERIDIAN [:	=			
	05/22/13 18:05 EST 05/22/13 18:05 EST		0	Thunderstorm Wind (ES 50 kt) Source: AWOS
A measured gust of 58 mph occurred at Staun				
PAGE COUNTY 0.9 WSW COMERTOWN [3				
•	05/22/13 18:34 EST		0	Thunderstorm Wind (EG 52 kt)
	05/22/13 18:34 EST		0.50K	Source: Public
There was a three foot in diameter tree snappe	ed off about eight inches above t	he ground.		
	orly flow to transport warm hum	id conditions in		A trough axis led to the
		iid conditions in	the Mid Atlantic.	
development of thunderstorms across the w FREDERICK COUNTY 2.0 ENE ROCK ENG	rest of the Blue Ridge. DN SPGS [39.23, -78.37], 1.6 ENE			•
development of thunderstorms across the w FREDERICK COUNTY 2.0 ENE ROCK ENG	rest of the Blue Ridge. DN SPGS [39.23, -78.37], 1.6 ENE			•
development of thunderstorms across the w FREDERICK COUNTY 2.0 ENE ROCK ENG	rest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE 78.37]		PGS [39.23, -78.3	7], 1.5 ENE ROCK ENON SPGS [39.23,
development of thunderstorms across the w FREDERICK COUNTY 2.0 ENE ROCK ENO -78.37], 1.9 ENE ROCK ENON SPGS [39.23, -7	ON SPGS [39.23, -78.37], 1.6 ENE 78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST		PGS [39.23, -78.3]	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain)
FREDERICK COUNTY 2.0 ENE ROCK END -78.37], 1.9 ENE ROCK ENON SPGS [39.23, -78.37] Back Creek Road was closed due to water run	Prest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE [78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road.	E ROCK ENON SI	PGS [39.23, -78.3] 0 0	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center
development of thunderstorms across the w FREDERICK COUNTY 2.0 ENE ROCK ENO -78.37], 1.9 ENE ROCK ENON SPGS [39.23, Back Creek Road was closed due to water run High pressure over the Atlantic led to southed development of thunderstorms across the w	rest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE 78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road. erly flow to transport warm hum rest of the Blue Ridge. ON [38.01, -78.52]	E ROCK ENON SI	PGS [39.23, -78.3] 0 0 the Mid Atlantic.	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center A trough axis led to the
FREDERICK COUNTY 2.0 ENE ROCK END -78.37], 1.9 ENE ROCK ENON SPGS [39.23, Back Creek Road was closed due to water run High pressure over the Atlantic led to southed	rest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE 78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road. erly flow to transport warm hum rest of the Blue Ridge. ON [38.01, -78.52] 05/23/13 14:37 EST	E ROCK ENON SI	PGS [39.23, -78.3] 0 0 the Mid Atlantic.	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center A trough axis led to the Thunderstorm Wind (EG 52 kt)
High pressure over the Atlantic led to souther development of thunderstorms across the water Inc. FREDERICK COUNTY 2.0 ENE ROCK ENO. -78.37], 1.9 ENE ROCK ENON SPGS [39.23, -1] Back Creek Road was closed due to water run High pressure over the Atlantic led to souther development of thunderstorms across the water Inc. ALBEMARLE COUNTY 3.1 SE FARMINGTO	nest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE [78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road. erly flow to transport warm hum rest of the Blue Ridge. ON [38.01, -78.52] 05/23/13 14:37 EST 05/23/13 14:37 EST	E ROCK ENON SI	PGS [39.23, -78.3] 0 0 the Mid Atlantic.	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center A trough axis led to the
development of thunderstorms across the w FREDERICK COUNTY 2.0 ENE ROCK ENO -78.37], 1.9 ENE ROCK ENON SPGS [39.23, Back Creek Road was closed due to water run High pressure over the Atlantic led to southed development of thunderstorms across the w	nest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE [78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road. erly flow to transport warm hum rest of the Blue Ridge. ON [38.01, -78.52] 05/23/13 14:37 EST 05/23/13 14:37 EST	E ROCK ENON SI	PGS [39.23, -78.3] 0 0 the Mid Atlantic.	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center A trough axis led to the Thunderstorm Wind (EG 52 kt)
FREDERICK COUNTY 2.0 ENE ROCK ENO -78.37], 1.9 ENE ROCK ENON SPGS [39.23, -78.37] Back Creek Road was closed due to water run High pressure over the Atlantic led to southed development of thunderstorms across the water Road was closed to southed the southed by the southed	rest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE 78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road. erly flow to transport warm hum rest of the Blue Ridge. ON [38.01, -78.52] 05/23/13 14:37 EST 05/23/13 14:37 EST er on fire.	E ROCK ENON SI	PGS [39.23, -78.3] 0 0 the Mid Atlantic. 0.50K 0.50K	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center A trough axis led to the Thunderstorm Wind (EG 52 kt) Source: Emergency Manager
FREDERICK COUNTY 2.0 ENE ROCK ENC -78.37], 1.9 ENE ROCK ENON SPGS [39.23, -7 Back Creek Road was closed due to water run High pressure over the Atlantic led to southed development of thunderstorms across the w ALBEMARLE COUNTY 3.1 SE FARMINGTO	nest of the Blue Ridge. ON SPGS [39.23, -78.37], 1.6 ENE 78.37] 05/22/13 16:50 EST 05/22/13 18:50 EST nning over the road. erly flow to transport warm hum rest of the Blue Ridge. ON [38.01, -78.52] 05/23/13 14:37 EST 05/23/13 14:37 EST er on fire.	E ROCK ENON SI	PGS [39.23, -78.3] 0 0 the Mid Atlantic.	7], 1.5 ENE ROCK ENON SPGS [39.23, Flash Flood (due to Heavy Rain) Source: 911 Call Center A trough axis led to the Thunderstorm Wind (EG 52 kt)

Page 7 of 9 Printed on: 09/11/2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(VA-Z503) WESTERN HIGHLAND, (VA	-Z504) EASTERN HIGHLAND			
	05/25/13 04:00 EST		0	Frost/Freeze
	05/25/13 07:30 EST		0	
Canadian high pressure moved over t	he area. Winds diminished overnight	and temperature	s dropped below f	reezing.
AIRFAX COUNTY 0.6 NNE ILDA [3	8.84, -77.24]			
	05/28/13 17:39 EST		0	Thunderstorm Wind (EG 52 kt)
	05/28/13 17:39 EST		2K	Source: Emergency Manager
here were large trees down on Little R	tiver Turnpike at Woodburn Road.			
-	ne region. Organized convection devo nderstorms produced large hail, heavy	=		instability was the
WEST VIRGINIA, East				
WV-Z505) WESTERN PENDLETON, (V	NV-7506) FASTERN PENDI ETON			
2000, WEOTERN ENDEETON, (V	05/13/13 05:00 EST		0	Frost/Freeze
	05/13/13 07:30 EST		0	11000110020
	ORGAN, (WV-Z052) BERKELEY, (WV- 03) WESTERN MINERAL, (WV-Z504) E 05/14/13 02:00 EST			
	05/14/13 07:50 EST		0	
ligh pressure was overhead for the secoling overnight for most of the Mid	econd consecutive day while cool dry Atlantic.	air filtered into tl	ne region. Clear sk	xies led to radiational
MINERAL COUNTY 0.6 SSE CLAYS	VILLE [39.34, -79.07] 05/22/13 14:43 EST		0	Thursdaystarm Wind (FC F2 kt)
	05/22/13 14:43 EST		0.50K	Thunderstorm Wind (EG 52 kt) Source: 911 Call Center
here was a tree down at the intersection			0.50K	Source. 911 Call Center
MINERAL COUNTY 0.5 N KEYSER [39 44 -78 981			
MINERAL GOORTT U.S IN NETGEN	05/22/13 14:55 EST		0	Thunderstorm Wind (EG 52 kt)
	05/22/13 14:55 EST		0.50K	Source: 911 Call Center
here was a tree down at the intersection	on of South Mineral Street and Fort Ave	Э.		
MORGAN COUNTY 1.1 E BERKELE	Y SPGS [39 63 -78 21]			
	05/22/13 16:27 EST		0	Hail (1.00 in)
	05/22/13 16:27 EST		0	Source: Public
MORGAN COUNTY 0.6 WNW FAIR				
	05/22/13 16:30 EST		0	Hail (1.00 in)
	05/22/13 16:30 EST		0	Source: Public
JEFFERSON COUNTY 0.5 SW CHA	RLES TOWN [39.30, -77.86]			
	05/22/13 17:00 EST		1K	Thunderstorm Wind (EG 52 kt)
	0E/22/42 47:00 FCT		O FOL	Course: 011 Call Cantar

Page 8 of 9 Printed on: 09/11/2013

0.50K

Source: 911 Call Center

05/22/13 17:00 EST

There was a large tree limb down at East 5th and South Reymann on wires.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BERKELEY COUNTY 2.6 SS	E HEDGESVILLE [39.51, -77.98]			
	05/22/13 17:31 EST		0	Thunderstorm Wind (EG 52 kt)
	05/22/13 17:31 EST		1K	Source: Trained Spotter
A willow tree was uprooted and	a large tree broke in half.			
• .	c led to southerly flow to transport warm hun s across the west of the Blue Ridge.	nid conditions in t	he Mid Atlantic. A	trough axis led to the
·	E LITTLE CACAPON [39.48, -78.46]			
	05/23/13 16:38 EST		0	Thunderstorm Wind (EG 52 kt)
	05/23/13 16:38 EST		0.50K	Source: Emergency Manager
There was a tree down on the 7	100 block of Paw Paw Road.			
	 _EY SPGS [39.63, -78.23]			
MORGAN COUNTY BERKEL			0	The second area to second Afficial (FO FO Let)
MORGAN COUNTY BERKEL	05/23/13 17:50 EST		U	Thunderstorm Wind (EG 52 kt)
MORGAN COUNTY BERKEL	05/23/13 17:50 EST 05/23/13 17:50 EST		0.50K	Source: 911 Call Center
MORGAN COUNTY BERKEL There were two trees down alon			-	•
There were two trees down alon	05/23/13 17:50 EST	hed their convecti	0.50K	Source: 911 Call Center
There were two trees down alon	05/23/13 17:50 EST ng River Road and Sugar Hollow Road. from the west. Ahead of it temperatures reac	hed their convecti	0.50K	Source: 911 Call Center
There were two trees down alon A cold front was approaching to Thunderstorms formed along a	05/23/13 17:50 EST ng River Road and Sugar Hollow Road. from the west. Ahead of it temperatures reac		0.50K	Source: 911 Call Center d speeds increased.
There were two trees down alon A cold front was approaching to Thunderstorms formed along a	05/23/13 17:50 EST ng River Road and Sugar Hollow Road. from the west. Ahead of it temperatures reactalee trough.		0.50K	Source: 911 Call Center d speeds increased.

Canadian high pressure moved over the area. Winds diminished overnight and temperatures dropped below freezing.

Page 9 of 9 Printed on: 09/11/2013