Deaths &

Property &

Event Type and Details

Date/Time

Location

CERESVILLE [39.45, -77.38]

	Injuries	Crop Dmg	
TLANTIC NORTH			
IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY BABER POINT (B	AD) [20 24 77 0) 1	
05/03/20 22:31 EST	,AB) [36.31, -77.03	رد 0	Marine Thunderstorm Wind (MG 36 kt)
05/03/20 22:31 EST		0	Source: Buoy
00/00/20 22:01 201		V	Course. Budy
IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY 1.5 E BABER POI	INT (BAB) [38.31,	-77.00]	
05/03/20 22:32 EST		0	Marine Thunderstorm Wind (MG 37 kt)
05/03/20 22:32 EST		0	Source: Buoy
TO ALL DOTOMAC INDIAN UP TO CORR IS MD COUNTY - DOTOMAC LIGHT	T 22 /I T2\ [20 24	76 001	
IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY POTOMAC LIGHT 05/03/20 22:32 EST	1 33 (L13) [38.34,	-7 6.99] 0	Marina Thundaratorm Wind (MC 26 kt)
			Marine Thunderstorm Wind (MG 36 kt)
05/03/20 22:32 EST		0	Source: Buoy
IDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY MONROE CREEK	((MON) [38.23, -7	6.95]	
05/03/20 22:36 EST		0	Marine Thunderstorm Wind (MG 41 kt)
05/03/20 22:46 EST		0	Source: Buoy
TRAL POTOMAC INDIAN UP TO CORP IS MP COUNTY - CHOKOLD OFFE			
TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY CUCKOLD CREEI 05/03/20 22:38 EST	K (CCK) [38.31, -/	6.93] 0	Marine Thunderstorm Wind (MG 41 kt)
			,
05/03/20 22:38 EST		0	Source: Buoy
IDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY COBB POINT (COB) [38.24, -76.8	33]	
05/03/20 22:45 EST	,	0	Marine Thunderstorm Wind (MG 42 kt)
05/03/20 22:55 EST		0	Source: Buoy
IDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY PINEY POINT ((DDTM2) [20 42 - 7	C E21	
05/03/20 23:06 EST	[PP 1 WIZ) [36.13, -/	0.53]	Marine Thunderstorm Wind (EG 34 kt)
05/03/20 23:06 EST		0	Source: Mesonet
		· ·	550.555555.
Vind gusts in excess of 30 knots were observed at Piney Point.			
CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY 4.6 S MID BAY	BUOY [38.40, -76.	39]	
05/03/20 23:12 EST		0	Marine Thunderstorm Wind (EG 34 kt)
05/03/20 23:18 EST		0	Source: Buoy
Vind gusts in excess of 30 knots were observed at Cove Point.			
ANCIED SOUND AND THE INLAND WATERS SUPPOUNDING DI CORSWO	ARTH ISLAND COL	INTY DISHOR	C LIEAD (DICM2) (20.2276.04)
ANGIER SOUND AND THE INLAND WATERS SURROUNDING BLOODSWO 05/03/20 23:42 EST	KIH ISLAND COL	0 1 INIT 0	Marine Thunderstorm Wind (EG 34 kt)
		0	Source: Mesonet
05/03/20 23:42 EST		U	Source, Iviesoriet
Vind gusts in excess of 30 knots were observed at Bishop's Head.			
hunderstorms formed ahead of a southward surging boundary. These stor	rms produced wir	d gusts in exces	s of 34 knots over the
vaters.			
AADVI AND Confinel			
MARYLAND, Central			

FREDERICK COUNTY --- 0.6 SSE HARMONY GROVE [39.44, -77.40], 0.7 SE FREDERICK ARPT [39.41, -77.37], 0.6 ENE LIME KILN [39.35, -77.42], 1.4 E LIME KILN [39.35, -77.40], 0.4 E PEARL [39.40, -77.36], 1.2 ENE FREDERICK ARPT [39.43, -77.36], 1.0 SSW CERESVILLE [39.44, -77.38], 0.6 WSW

0

0

05/01/20 05:19 EST

05/01/20 15:30 EST

Page 1 of 5 Printed on: 10/20/2020

Flood (due to Heavy Rain)

Source: River/Stream Gage

Date/Time Deaths & **Event Type and Details** Location Property & Injuries Crop Dmg The river gage on the Monocacy River at Frederick exceeded the 15 foot flood stage during the indicated period, leading to flooding of portions of Pinecliff Park, as well as many of the low-lying fields at Monocacy National Battlefield. Flooding was also observed at FRMM2. The peak level of 15.83 feet occurred at 12:00 PM on the 1st. A period of heavy rainfall occurred downstream of a highly amplified trough April 30th into May 1st. A strong low-level jet transported a moisture rich airmass into the area, and strong synoptic scale ascent downstream of the closed upper low produced a soaking rainfall. Rainfall totals ranged from 1-2 inches across the area, producing river flooding in Maryland on May 1st and 2nd. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z507) NORTHWEST HARFORD 05/08/20 23:00 EST 0 Frost/Freeze 05/09/20 09:00 EST 0 Strong cold advection behind an unseasonably strong cold front ushered near record cold into the region. A widespread freeze occurred across portions of central and western Maryland. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY, (MD-Z505) NORTHWEST HOWARD, (MD-Z506) CENTRAL AND SOUTHEAST HOWARD, (MD-Z507) NORTHWEST HARFORD 05/09/20 23:00 EST 0 Frost/Freeze 05/10/20 09:00 EST 0 High pressure settled over Virginia, allowing winds to go calm across the region within what was an already very cold ambient environment for May. This lead to a widespread freeze across central and western portions of Maryland. (MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY, (MD-Z503) NORTHWEST MONTGOMERY, (MD-Z504) CENTRAL AND SOUTHEAST MONTGOMERY 05/23/20 03:09 EST 0 Dense Fog 05/23/20 07:00 EST 0 Areas of dense fog formed within a calm lower troposphere beneath an upper low across portions of central and western Maryland. (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z018) CALVERT, (MD-Z508) SOUTHEAST **HARFORD** 05/26/20 07:03 EST 0 Dense Fog 0 05/26/20 10:00 EST An influx of low level moisture off the Atlantic and Chesapeake Bay became trapped underneath a subsidence inversion. When coupled with calm winds in a weak surface ridge, widespread dense fog formed across portions of southern and eastern Maryland to the east of Interstate 95. (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT 05/27/20 06:40 FST 0 Dense Foa 05/27/20 09:00 EST 0 An influx of low level moisture off the Atlantic and Chesapeake Bay became trapped underneath a subsidence inversion. When coupled with calm winds in a weak surface ridge and cool water temp on Chesapeake Bay, widespread dense fog formed across portions of southern Maryland. WASHINGTON COUNTY --- 1.1 NE EDGEMONT [39.69, -77.53] 05/29/20 13:25 EST 1K Thunderstorm Wind (EG 50 kt) 05/29/20 13:25 EST 0 Source: 911 Call Center A tree was blown down on Edgemont Road. WASHINGTON COUNTY --- 1.2 W MT BRIAR [39.45, -77.70] 05/29/20 13:29 EST 1K Thunderstorm Wind (EG 50 kt) 05/29/20 13:29 EST 0 Source: 911 Call Center Wires were blown down on Porterstown Road.

Page 2 of 5 Printed on: 10/20/2020

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WASHINGTON COUNTY 1.7 ENE AN			417	Thursday Mrs. 1 (EQ. 50.14)
	05/29/20 13:33 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/29/20 13:33 EST		0	Source: 911 Call Center
A tree blew down bringing down wires o	on Mills Road.			
WASHINGTON COUNTY 0.5 NW SA	NDY HOOK [39.34, -77.73]			
	05/29/20 13:55 EST		1K	Thunderstorm Wind (EG 50 kt)
	05/29/20 13:55 EST		0	Source: 911 Call Center
	5			

A tree was blown down on Sandy Hook Road.

temperatures to drop below freezing.

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

Thunderstorms formed along a pre-frontal trough in the I-81 corridor as a shortwave disturbance embedded within a larger scale trough tracked northeastward from WV to PA. An environment characterized by 1500-2500 J/kg and 30-50 knots of 0-6 km shear enabled these storms to turn severe, leading to damaging wind gusts in Washington County.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z028) FREDERICK, (VA-Z029) PAGE, (VA-Z030) WARREN, (VA-Z031) CLARKE, (VA-Z501) NORTHERN FAUQUIER, (VA-Z503) WESTERN HIGHLAND, (VA-Z504) EASTERN HIGHLAND, (VA-Z507) NORTHERN

ING GEORGE COUNTY 0.4 NW BERTHAVIL		0.501	T
	05/03/20 22:20 EST	0.50K	Thunderstorm Wind (EG 50 kt)
	05/03/20 22:20 EST	0	Source: 911 Call Center
arge tree branches down near the intersection of	f VA-218 Caledon Road and VA-206	Dahlgren Road.	
ING GEORGE COUNTY 1.2 SW ALLNUT [38	.29, -77.12]		
	05/03/20 22:23 EST	0.50K	Thunderstorm Wind (EG 50 kt)
	05/03/20 22:23 EST	0	Source: 911 Call Center
arge tree branches down near the intersection of	f US-301 James Madison Parkway ai	nd VA-617 Poplar Neck Ro	pad.
(ING GEORGE COUNTY 2.0 W NINDE [38.27,	, -77.09]		
	05/03/20 22:25 EST	0.50K	Thunderstorm Wind (EG 50 kt)
	05/03/20 22:25 EST	0	Source: 911 Call Center
arge tree branches down near the intersection of		v	Source: 911 Call Center
arge tree branches down near the intersection of		v	Source: 911 Call Center
	f VA-205 Ridge Road and VA-718 Sh	niloh Drive.	
Thunderstorms formed ahead of a southward so	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto	niloh Drive.	nge in King George County.
Thunderstorms formed ahead of a southward so	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto	niloh Drive.	nge in King George County.
hunderstorms formed ahead of a southward so	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto	niloh Drive.	nge in King George County.
Thunderstorms formed ahead of a southward so	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto	niloh Drive. rms produced wind dama 5, -77.24], 0.9 WSW TREM	nge in King George County.
FAIRFAX COUNTY 1.1 WSW TREMONT [38.88]	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST	orms produced wind dama 15, -77.24], 0.9 WSW TREM	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage
Large tree branches down near the intersection of Thunderstorms formed ahead of a southward so FAIRFAX COUNTY 1.1 WSW TREMONT [38.85] TREMONT [38.85, -77.24] The stream gage on Accotink Creek at Strathmea by approximately one foot of water, and portions of	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST	orms produced wind dama 15, -77.24], 0.9 WSW TREM 0 0	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage
FAIRFAX COUNTY 1.1 WSW TREMONT [38.88] FREMONT [38.85, -77.24] The stream gage on Accotink Creek at Strathmea	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST de Springs exceeded the 251.5 foot of the Cross County Trail were also flee	orms produced wind dama 15, -77.24], 0.9 WSW TREN 0 0 0 flood stage during the indices on the peak level of 2	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage cated period. Woodburn Road was covered 52.24 feet occurred at 1:40 AM on the 4th.
FAIRFAX COUNTY 1.1 WSW TREMONT [38.85] FREMONT [38.85, -77.24] The stream gage on Accotink Creek at Strathmea by approximately one foot of water, and portions of the stream trough progressing through in west	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST de Springs exceeded the 251.5 foot of the Cross County Trail were also flusterly flow aloft, coupled with a sour	orms produced wind dama 15, -77.24], 0.9 WSW TREM 0 0 0 flood stage during the indice ooded. The peak level of 2 thward surging surface b	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage cated period. Woodburn Road was covered 52.24 feet occurred at 1:40 AM on the 4th.
Thunderstorms formed ahead of a southward so Tain Fax County 1.1 WSW TREMONT [38.85]. TREMONT [38.85, -77.24] The stream gage on Accotink Creek at Strathmea by approximately one foot of water, and portions of a shortwave trough progressing through in westow-level jet, and precipitable water values around the source of the stream of the stream gage.	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST de Springs exceeded the 251.5 foot of the Cross County Trail were also flusterly flow aloft, coupled with a sound 1.5 inches resulted in heavy rain	orms produced wind dama 15, -77.24], 0.9 WSW TREM 0 0 0 flood stage during the indice ooded. The peak level of 2 thward surging surface b	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage cated period. Woodburn Road was covered 52.24 feet occurred at 1:40 AM on the 4th.
FAIRFAX COUNTY 1.1 WSW TREMONT [38.88] FREMONT [38.85, -77.24] The stream gage on Accotink Creek at Strathmea by approximately one foot of water, and portions of a shortwave trough progressing through in westow-level jet, and precipitable water values around frainfall was observed, leading to isolated instructions.	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST de Springs exceeded the 251.5 foot of the Cross County Trail were also flusterly flow aloft, coupled with a sour and 1.5 inches resulted in heavy rain tances of flooding.	orms produced wind dama 15, -77.24], 0.9 WSW TREM 0 0 0 flood stage during the indice ooded. The peak level of 2 thward surging surface b	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage cated period. Woodburn Road was covered 52.24 feet occurred at 1:40 AM on the 4th.
FAIRFAX COUNTY 1.1 WSW TREMONT [38.85] TREMONT [38.85, -77.24] The stream gage on Accotink Creek at Strathmean by approximately one foot of water, and portions of	f VA-205 Ridge Road and VA-718 Shurging boundary. These thundersto 5, -77.24], 1.0 WSW TREMONT [38.8 05/03/20 23:13 EST 05/04/20 01:37 EST de Springs exceeded the 251.5 foot of the Cross County Trail were also flusterly flow aloft, coupled with a sour and 1.5 inches resulted in heavy rain tances of flooding.	orms produced wind dama 15, -77.24], 0.9 WSW TREM 0 0 0 flood stage during the indice ooded. The peak level of 2 thward surging surface b	IONT [38.85, -77.24], 1.0 WSW Flood (due to Heavy Rain) Source: River/Stream Gage cated period. Woodburn Road was covered 52.24 feet occurred at 1:40 AM on the 4th.

Page 3 of 5 Printed on: 10/20/2020

Storm Data and Unusual Weather Phenomena - May 2020					
Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
	05/08/20 23:00 EST		0	Frost/Freeze	
	05/09/20 09:00 EST		0		
Strong cold advection behind an unseaso occurred across portions of the Shenand			nto the region. A w	videspread freeze	
(VA-Z025) AUGUSTA, (VA-Z026) ROCKING (VA-Z031) CLARKE, (VA-Z036) NELSON, ((VA-Z050) ORANGE, (VA-Z051) CULPEPE (VA-Z501) NORTHERN FAUQUIER, (VA-Z506) WESTERN LOUDOUN, (VA-Z506) EASTER	(VA-Z037) ALBEMARLE, (VA-Z038) R, (VA-Z052) PRINCE WILLIAM, (V 502) SOUTHERN FAUQUIER, (VA-Z RN LOUDOUN, (VA-Z507) NORTHE 05/09/20 23:00 EST 05/10/20 09:00 EST) GREENE, (VA-ZU A-Z053) FAIRFAX Z503) WESTERN F RN VIRGINIA BLU	339) MADISON, (VA , (VA-Z055) STAFF HIGHLAND, (VA-Z5 JE RIDGE, (VA-Z50 0	A-Z040) RAPPAHANNOCK, FORD, (VA-Z056) SPOTSYLVANIA, 604) EASTERN HIGHLAND, (VA-Z505) 08) CENTRAL VIRGINIA BLUE RIDGE Frost/Freeze	
High pressure settled over Virginia, allow environment for May. This lead to a wides		=	=	-	
(VA-Z503) WESTERN HIGHLAND					
•	05/11/20 23:00 EST		0	Frost/Freeze	
	05/12/20 08:00 EST		0		
radiational cooling led to a freeze in West (VA-Z027) SHENANDOAH, (VA-Z050) ORA		_AND, (VA-Z504) I	EASTERN HIGHLA 0 0	ND Frost/Freeze	
High pressure settled directly overhead, a across portions Highland, Shenandoah a		es to stay clear. S	trong radiational c	cooling led to a freeze	
(VA-Z025) AUGUSTA, (VA-Z026) ROCKING ALBEMARLE, (VA-Z038) GREENE, (VA-Z0 VIRGINIA BLUE RIDGE, (VA-Z508) CENTR	39) MADISON, (VA-Z503) WESTER	-			
,,,	05/23/20 04:15 EST		0	Dense Fog	
	05/23/20 07:00 EST		0		
Areas of dense fog formed within a calm WEST VIRGINIA, East	lower troposphere beneath an upp	per low across po	rtions of central V	irginia.	
MODELAN COUNTY A 2 SOW OPERT OF	A CA DON 100 CO. 70 CO. 20 CO. WOO	ODMONT 100 FO	70 001 4 0 14/1114/1	ADOENT 100 40 70 401 0 0 0	
MORGAN COUNTY 1.3 SSW GREAT CA LARGENT [39.48, -78.38], 2.5 WNW ROCK	• • •		-·	AKGENT [39.48, -/8.40], U.2 S	
	05/01/20 00:00 EST		0	Flood (due to Heavy Rain)	
	05/01/20 14:45 EST		0	Source: River/Stream Gage	
The stream gage on the Cacapon River at locations, including flowing completely over occurred at 6:00 AM on the 1st.	·	-	-		
JEFFERSON COUNTY 5.7 NNW SHEPH BOLIVAR [39.33, -77.75], 2.5 E MOLER XR NNW SHEPHERDSTOWN [39.54, -77.83]			= :		
5.12. 112.135. 5111 [55.64, -17.65]	05/01/20 16:51 EST		0	Flood (due to Heavy Rain)	
	05/00/00 00 00 FOT		0	0	

A period of heavy rainfall occurred downstream of a highly amplified trough April 30th into May 1st. A strong low-level jet transported a

The river gage on the Potomac River at Shepherdstown exceeded the 15 foot flood stage during the indicated period. River Road was completely flooded in low spots between Shepherdstown and Harpers Ferry. Significant portions of the C&O canal were flooded. The peak level of 15.25 feet occurred at 9:00

05/02/20 00:30 EST

PM on May 1st.

Page 4 of 5 10/20/2020 Printed on:

Source: River/Stream Gage

0

Location Date/Time Deaths & **Event Type and Details** Property & Injuries Crop Dma moisture rich airmass into the area, and strong synoptic scale ascent downstream of the closed upper low produced a soaking rainfall. Rainfall totals ranged from 1-2 inches across the area, producing river flooding in eastern West Virginia on May 1st and 2nd. (WV-Z501) WESTERN GRANT, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON 05/06/20 23:00 EST Frost/Freeze 05/07/20 08:00 EST 0 A weak ridge of high pressure allowed winds to go calm across portions of the WV Panhandle, which when coupled with clearing skies, allowed temperatures to drop below freezing. (WV-Z050) HAMPSHIRE, (WV-Z053) JEFFERSON, (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 05/08/20 23:00 EST 05/09/20 09:00 FST 0 Strong cold advection behind an unseasonably strong cold front allowed a widespread freeze to occur across portions of the WV Panhandle. (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, (WV-Z505) WESTERN PENDLETON, (WV-Z506) **EASTERN PENDLETON** 05/09/20 23:00 EST 0 Frost/Freeze Λ 05/10/20 09:00 EST High pressure settled over Virginia, allowing winds to go calm across the region within what was an already very cold ambient environment for May. This lead to a widespread freeze across the WV Panhandle. (WV-Z505) WESTERN PENDLETON 05/11/20 23:00 EST 0 Frost/Freeze 05/12/20 08:00 EST n A sprawling area of high pressure settled over the Tennessee Valley, allowing winds to go calm and skies to stay clear. Strong radiational cooling led to a freeze in Western Pendleton County. (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN **PENDLETON** 05/13/20 01:00 EST 0 Frost/Freeze 05/13/20 08:00 EST 0 High pressure settled directly overhead, allowing winds to go calm and skies to stay clear. Strong radiational cooling led to a freeze across portions of the West Virginia Panhandle. (WV-Z050) HAMPSHIRE, (WV-Z051) MORGAN, (WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z055) HARDY, (WV-Z505) WESTERN PENDLETON, (WV-Z506) EASTERN PENDLETON 05/23/20 03:09 EST 0 Dense Fog 05/23/20 07:00 EST 0 Areas of dense fog formed within a calm lower troposphere beneath an upper low across portions of the West Virginia Panhandle. JEFFERSON COUNTY --- 1.3 N HALLTOWN [39.34, -77.80] 05/29/20 13:53 EST Thunderstorm Wind (EG 55 kt) 10K 05/29/20 13:53 EST 0 Source: 911 Call Center

Numerous trees were reported blown down in Jefferson County (particularly the eastern part near Harpers Ferry).

these storms to turn severe, leading to damaging wind gusts in Jefferson County.

Thunderstorms formed along a pre-frontal trough in the I-81 corridor as a shortwave disturbance embedded within a larger scale trough tracked northeastward from WV to PA. An environment characterized by 1500-2500 J/kg and 30-50 knots of 0-6 km shear enabled

> Page 5 of 5 10/20/2020 Printed on: