## Storm Data and Unusual Weather Phenomena - October 2006

	<u>Date/Time</u>	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ATLANTIC NORTH				
CHESAPEAKE BAY DRUM PT TO SM	ITH PT VA COUNTY			
POINT LOOKOUT	10/28/06 08:07 EST	(	•	Marine Thunderstorm Wind (MG 38 kt)
	10/28/06 08:07 EST	(	0	38.05N, 76.33W
ery strong westerly winds occurred			-	stem. Strong winds occurred on the
narine waters of the Maryland Chesa	peake Bay in conjunction wit	h thunderstorm	activity.	
DISTRICT OF COLUMBIA				
DISTRICT OF COLUMBIA (DC-Z001)	10/28/06 17:15 EST	(	15K	Strong Mind (MAY 42 kt)
	10/28/06 23:00 EST	(		Strong Wind (MAX 42 kt)
Very strong westerly winds occurred	on the 28th due to the nassa	ne of a large lov	nrassura sv	stem. Winds gusted as high as 45 mph
n the District. 3000 customers were v	-			
rains also contributed to the downed	trees and branches.			
MARYLAND, Central				
mari Erare, contra				
ALLEGANY COUNTY				
BARTON	10/04/06 19:00 EST	(	• • •	Thunderstorm Wind (EG 50 kt)
	10/04/06 19:00 EST	(	0	39.53N, 79.02W
Powerlines downed in the town of Barton	n.			
Scattered thunderstorms developed a	along a strong front on the 5tl	h. One confirme	d severe thur	nderstorm occurred in Allegany County.
ALLEGANY (MD-Z002), WASHINGTON				nderstorm occurred in Allegany County. ), NORTHERN BALTIMORE (MD-Z006), HARFORD
ALLEGANY (MD-Z002), WASHINGTON			LL (MD-Z005)	
ALLEGANY (MD-Z002), WASHINGTON	N (MD-Z003), FREDERICK (ME	D-Z004), CARRO	<b>LL (MD-Z005</b> )	), NORTHERN BALTIMORE (MD-Z006), HARFORE
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)	N (MD-Z003), FREDERICK (ME 10/13/06 02:00 EST 10/14/06 06:00 EST	D-Z004), CARRO	<b>LL (MD-Z005</b> )	, NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010) A killing freeze occurred during the e	N (MD-Z003), FREDERICK (ME 10/13/06 02:00 EST 10/14/06 06:00 EST	D-Z004), CARRO	<b>LL (MD-Z005</b> )	, NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010) A killing freeze occurred during the e Nestern Maryland.	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a	D-Z004), CARRO	<b>LL (MD-Z005</b> )	, NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010) A killing freeze occurred during the e Nestern Maryland.	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a	D-Z004), CARRO	LL (MD-Z005) 0 0 rning of the 1	, NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze  14th across portions of Central and
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010) A killing freeze occurred during the e Nestern Maryland.	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a	O-Z004), CARRO	LL (MD-Z005)  0 0 rning of the 1	, NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010) A killing freeze occurred during the e- Vestern Maryland.	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST	O-Z004), CARRO ( ( again on the mo	UL (MD-Z005)  O  orning of the 1	Prost/Freeze  I4th across portions of Central and  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the eventual way and the eventual way and the eventual way are as of dense fog formed early in the eventual way.	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST	O-Z004), CARRO ( ( again on the mo	UL (MD-Z005)  O  orning of the 1	Prost/Freeze  I4th across portions of Central and  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the element Maryland.  ALLEGANY (MD-Z002), WASHINGTON MARKED (MD-Z002	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST te morning on the 18th. Visibility	O-Z004), CARRO	O O O O Ceed below on	Prost/Freeze  I4th across portions of Central and  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the envestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON MARKED (MD-Z0	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST te morning on the 18th. Visibility	again on the mo	LL (MD-Z005) 0 0 rning of the 1 0 0 ced below on	Prost/Freeze  I4th across portions of Central and  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the envestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST the morning on the 18th. Visibility 10/19/06 02:00 EST 10/19/06 06:00 EST	again on the mo	LL (MD-Z005) 0 0 0 crning of the 1 0 0 ced below on	Prost/Freeze  I4th across portions of Central and  Dense Fog  Dense Fog  Dense Fog  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the envestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST the morning on the 18th. Visibility 10/19/06 02:00 EST 10/19/06 06:00 EST	again on the mo	LL (MD-Z005) 0 0 0 crning of the 1 0 0 ced below on	Prost/Freeze  I4th across portions of Central and  Dense Fog  Dense Fog  Dense Fog  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the elevator Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST the morning on the 18th. Visibility 10/19/06 02:00 EST 10/19/06 06:00 EST	again on the mo	LL (MD-Z005) 0 0 0 crning of the 1 0 0 ced below on	Prost/Freeze  I4th across portions of Central and  Dense Fog  Dense Fog  Dense Fog  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the elevator Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST the morning on the 18th. Visibility 10/19/06 02:00 EST 10/19/06 06:00 EST	again on the mo	LL (MD-Z005) 0 0 rrning of the 1 0 0 ced below on	Prost/Freeze  I4th across portions of Central and  Dense Fog  Dense Fog  Dense Fog  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the ewestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)  Dense fog occurred early in the morn	10/13/06 02:00 EST 10/14/06 06:00 EST arly morning of the 13th and a N (MD-Z003) 10/18/06 03:00 EST 10/18/06 07:00 EST te morning on the 18th. Visibilities with the second set of the 19th. Visibilities with the second seco	again on the mo	LL (MD-Z005) 0 0 rning of the 1 0 0 ced below on 0 0 ow one-quart	Prost/Freeze  I4th across portions of Central and  Dense Fog
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the envestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the MLLEGANY (MD-Z002)  Dense fog occurred early in the morn FREDERICK (MD-Z004)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a 10/18/06 03:00 EST 10/18/06 07:00 EST 10/19/06 02:00 EST 10/19/06 06:00 EST 10/19/06 06:00 EST 10/20/06 10:00 EST	again on the mo	LL (MD-Z005) 0 0 0 crning of the 1 0 0 ced below on 0 0 cow one-quart	Northern Baltimore (MD-Z006), Harford Frost/Freeze  14th across portions of Central and  Dense Fog  14e-quarter mile in some areas.  Dense Fog  15er mile in some areas.  Strong Wind (MAX 40 kt)
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the envestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the MLLEGANY (MD-Z002)  Dense fog occurred early in the morn FREDERICK (MD-Z004)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a 10/18/06 03:00 EST 10/18/06 07:00 EST 10/18/06 07:00 EST 10/19/06 02:00 EST 10/19/06 06:00 EST 10/19/06 06:00 EST 10/19/06 10:00 EST 10/20/06 14:00 EST 1	again on the mo	LL (MD-Z005) 0 0 0 crning of the 1 0 0 ced below on 0 0 cow one-quart 40K 0 red reports of	NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze  14th across portions of Central and  Dense Fog  14e-quarter mile in some areas.  Dense Fog  15er mile in some areas.  Strong Wind (MAX 40 kt)  15f downed tree limbs and power outages
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the elevator Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)  Dense fog occurred early in the morn FREDERICK (MD-Z004)  A strong cold front brought strong guvere received. All across Frederick (MD-Z005)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a 10/18/06 03:00 EST 10/18/06 07:00 EST 10/18/06 07:00 EST 10/19/06 02:00 EST 10/19/06 06:00 EST 10/19/06 06:00 EST 10/19/06 10:00 EST 10/20/06 14:00 EST 1	again on the mo	LL (MD-Z005) 0 0 0 crning of the 1 0 0 ced below on 0 0 cow one-quart 40K 0 red reports of	NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze  14th across portions of Central and  Dense Fog  14e-quarter mile in some areas.  Dense Fog  15er mile in some areas.  Strong Wind (MAX 40 kt)  15f downed tree limbs and power outages
ALLEGANY (MD-Z002), WASHINGTON MD-Z007), HOWARD (MD-Z010)  A killing freeze occurred during the envestern Maryland.  ALLEGANY (MD-Z002), WASHINGTON Areas of dense fog formed early in the ALLEGANY (MD-Z002)  Dense fog occurred early in the morn FREDERICK (MD-Z004)	10/13/06 02:00 EST 10/14/06 06:00 EST 10/14/06 06:00 EST arly morning of the 13th and a 10/18/06 03:00 EST 10/18/06 07:00 EST 10/18/06 07:00 EST 10/19/06 02:00 EST 10/19/06 06:00 EST 10/19/06 06:00 EST 10/19/06 10:00 EST 10/20/06 14:00 EST 1	again on the mo	LL (MD-Z005) 0 0 rning of the 1 0 0 ced below on 0 0 ow one-quart 40K 0 red reports of	NORTHERN BALTIMORE (MD-Z006), HARFORE Frost/Freeze  14th across portions of Central and  Dense Fog  14e-quarter mile in some areas.  Dense Fog  15er mile in some areas.  Strong Wind (MAX 40 kt)  15f downed tree limbs and power outages

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Strong southerly winds caused tide levels to run about 2 to 2.5 feet above the predicted values. Some flooding occurred in Annapolis as a result, with about a foot of water covering Dock Street downtown. Flood waters extended as far inland as Randall Street. No damages

## Storm Data and Unusual Weather Phenomena - October 2006

Location Date/Time Deaths & Property & **Event Type and Details** Injuries Crop Dmg were reported. ALLEGANY (MD-Z002), WASHINGTON (MD-Z003), FREDERICK (MD-Z004), CARROLL (MD-Z005), NORTHERN BALTIMORE (MD-Z006), HARFORD (MD-Z007), MONTGOMERY (MD-Z009), HOWARD (MD-Z010), SOUTHERN BALTIMORE / BALTIMORE (C) (MD-Z011), PRINCE GEORGES (MD-Z013), ANNE ARUNDEL (MD-Z014) n 225K 10/28/06 15:00 EST Strong Wind (MAX 45 kt) 0 10/28/06 23:00 EST 0 Very strong westerly winds occurred on the 28th due to the passage of a large low pressure system. Winds gusted as high as 45 to 50 mph across most of Maryland. Scattered reports of downed trees and powerlines lead to many power outages across much of the state. The most extensive power outages occurred in the Baltimore area including Carroll, Baltimore, and Anne Arundel Counties. Wet grounds from the recent rains also contributed to the downed trees and branches. 4800 customers were without power during the height of this storm in Montgomery County, MD. VIRGINIA, North **AUGUSTA COUNTY** n SOUTH PORTION 10/06/06 23:00 EST 0 Flood (due to Heavy Rain) 0 10/07/06 11:00 EST 37.98N. 79.18W Moderate to heavy persistent rain caused localized flooding problems on the 7th as a coastal low pressure system affected Central Virginia. A large area of 3 to 6 inch rainfall occurred over Central Virginia. In Southern Augusta County several county roads were closed for several hours due to flooding. HIGHLAND (VA-Z021), AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), FREDERICK / WINCHESTER (VA-Z028), PAGE (VA-Z029), WARREN (VA-Z030), CLARKE (VA-Z031), NELSON (VA-Z036), ALBEMARLE / CHARLOTTTESVILLE (VA-Z037), GREENE (VA-Z038), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040), FAUQUIER (VA-Z041), LOUDOUN (VA-Z042), ORANGE (VA-Z050), CULPEPER (VA-Z051), PRINCE WILLIAM / MANASSAS (VA-Z052), FAIRFAX (VA-Z053), STAFFORD (VA-Z055), SPOTSYLVANIA / FREDERICKSBURG (VA-Z056) 0 10/13/06 02:00 EST 0 Frost/Freeze 10/14/06 06:00 EST A hard freeze occurred on the morning of the 13th and again on the 14th across portions of Northern Virginia. HIGHLAND (VA-Z021), AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), FREDERICK / WINCHESTER (VA-Z028), PAGE (VA-Z029), WARREN (VA-Z030), CLARKE (VA-Z031), NELSON (VA-Z036), ALBEMARLE / CHARLOTTTESVILLE (VA-Z037), GREENE (VA-Z038), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040), ORANGE (VA-Z050), CULPEPER (VA-Z051) 10/18/06 03:00 EST 0 Dense Foa 10/18/06 07:00 EST 0 Areas of dense fog formed early in the morning on the 18th. Visibilities were reduced below one-quarter mile in some areas. HIGHLAND (VA-Z021), AUGUSTA / STAUNTON / WAYNESBORRO (VA-Z025), ROCKINGHAM / HARRISONBURG (VA-Z026), SHENANDOAH (VA-Z027), FREDERICK / WINCHESTER (VA-Z028), PAGE (VA-Z029), WARREN (VA-Z030), CLARKE (VA-Z031), NELSON (VA-Z036), ALBEMARLE / CHARLOTTTESVILLE (VA-Z037), GREENE (VA-Z038), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040), FAUQUIER (VA-Z041), ORANGE (VA-Z050), CULPEPER (VA-Z051), PRINCE WILLIAM / MANASSAS (VA-Z052), STAFFORD (VA-Z055), SPOTSYLVANIA / FREDERICKSBURG (VA-Z056), KING GEORGE (VA-Z057) 10/19/06 02:00 EST 0 Dense Fog 0 10/19/06 06:00 EST 0 Dense fog occurred early in the morning of the 19th. Visibilities were reduced below one-quarter mile in some areas. LOUDOUN (VA-Z042), PRINCE WILLIAM / MANASSAS (VA-Z052), FAIRFAX (VA-Z053), ARLINGTON / ALEXANDRIA / FALLS CHURCH (VA-Z054) 0 10/28/06 16:45 EST 80K Strong Wind (MAX 45 kt) 0 0 10/28/06 23:00 EST

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Very strong westerly winds occurred on the 28th due to the passage of a large low pressure system. Winds gusted as high as 45 to 50 mph across much of Northern Virginia. Scattered reports of downed trees and powerlines lead to some power outages across Northern Virginia. Wet grounds from the recent rains also contributed to the downed trees and branches. 20,000 customers were

without power in Northern Virginia due to this strong wind event.

WEST VIRGINIA, East

## Storm Data and Unusual Weather Phenomena - October 2006

<u>Location</u>	<u>Date/Time</u>	<u>Deaths &amp;</u> <u>Injuries</u>	_	Property & Crop Dmg	Event Type and Details
		MORGAN (WV-	Z051	1), BERKELE	EY (WV-Z052), JEFFERSON (WV-Z053),
PENDLETON (WV-Z054), HA	,		^		
	10/13/06 02:00 EST		0	0	Frost/Freeze
	10/13/06 06:00 EST		0	0	
killing freeze occurred du	ring the early morning of the 13th.				
•		MORGAN (WV-	Z05′	1), BERKELI	EY (WV-Z052), JEFFERSON (WV-Z053),
PENDLETON (WV-Z054), HA	` ,		^	0	D
	10/18/06 03:00 EST		0	0	Dense Fog
	10/18/06 07:00 EST		0	0	
GRANT (WV-Z048), MINERA	L (WV-Z049), HAMPSHIRE (WV-Z050), 10/19/06 02:00 EST	•	<b>VV-Z</b> 0	<b>Z054), HARD</b> 0	Y (WV-Z055)  Dense Foa
	10/19/06 06:00 EST		0	0	
	the morning of the 19th. Visibilities v	vere reduced be	low	one-quarter	mile in some areas.
Dense fog occurred early in					
	10/23/06 22:00 EST		0	0	Winter Weather
Dense fog occurred early in			0 0	0 0	Winter Weather
GRANT (WV-Z048)  Upslope snow showers occ	10/23/06 22:00 EST 10/24/06 05:00 EST urred early in the morning of the 24th in Grant County, WV reported 1.5 inch	in the favored u	0 pslo dur	0 ope snow are ing this time	eas along and west of the Allegheny e.
GRANT (WV-Z048)  Upslope snow showers occi Front. The town of Bayard i	10/23/06 22:00 EST 10/24/06 05:00 EST urred early in the morning of the 24th in Grant County, WV reported 1.5 inch	in the favored u es of new snow	0 pslo	0 ope snow ar	eas along and west of the Allegheny

Very strong westerly winds occurred on the 28th due to the passage of a large low pressure system. Winds gusted as high as 45 mph across much of the Eastern Panhandle of West Virginia. A few reports of downed trees and powerlines lead to power outages, mainly in Berkeley and Hampshire Counties. Wet grounds from the recent rains also contributed to the downed trees and branches.

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