

Storm Data and Unusual Weather Phenomena - October 2006

| <u>Location</u> | <u>Date/Time</u> | <u>Deaths & Injuries</u> | <u>Property & Crop Dmg</u> | <u>Event Type and Details</u> |
|-----------------|------------------|------------------------------|--------------------------------|-------------------------------|
|-----------------|------------------|------------------------------|--------------------------------|-------------------------------|

ATLANTIC NORTH

CHESAPEAKE BAY DRUM PT TO SMITH PT VA COUNTY

| | | | | |
|---------------|--------------------|---|---|-------------------------------------|
| POINT LOOKOUT | 10/28/06 08:07 EST | 0 | 0 | Marine Thunderstorm Wind (MG 38 kt) |
| | 10/28/06 08:07 EST | 0 | 0 | 38.05N, 76.33W |

Very strong westerly winds occurred on the 28th due to the passage of a large low pressure system. Strong winds occurred on the marine waters of the Maryland Chesapeake Bay in conjunction with thunderstorm activity.

DISTRICT OF COLUMBIA

DISTRICT OF COLUMBIA (DC-Z001)

| | | | |
|--------------------|---|-----|-------------------------|
| 10/28/06 17:15 EST | 0 | 15K | Strong Wind (MAX 42 kt) |
| 10/28/06 23:00 EST | 0 | 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 mph in the District. 3000 customers were without power due to downed trees and powerlines in th District. Wet grounds from the recent rains also contributed to the downed trees and branches.

MARYLAND, Central

ALLEGANY COUNTY

| | | | | |
|--------|--------------------|---|----|------------------------------|
| BARTON | 10/04/06 19:00 EST | 0 | 8K | Thunderstorm Wind (EG 50 kt) |
| | 10/04/06 19:00 EST | 0 | 0 | 39.53N, 79.02W |

Powerlines downed in the town of Barton.

Scattered thunderstorms developed along a strong front on the 5th. One confirmed severe thunderstorm occurred in Allegany County.

ALLEGANY (MD-Z002), WASHINGTON (MD-Z003), FREDERICK (MD-Z004), CARROLL (MD-Z005), NORTHERN BALTIMORE (MD-Z006), HARFORD (MD-Z007), HOWARD (MD-Z010)

| | | | |
|--------------------|---|---|--------------|
| 10/13/06 02:00 EST | 0 | 0 | Frost/Freeze |
| 10/14/06 06:00 EST | 0 | 0 | |

A killing freeze occurred during the early morning of the 13th and again on the morning of the 14th across portions of Central and Western Maryland.

ALLEGANY (MD-Z002), WASHINGTON (MD-Z003)

| | | | |
|--------------------|---|---|-----------|
| 10/18/06 03:00 EST | 0 | 0 | Dense Fog |
| 10/18/06 07:00 EST | 0 | 0 | |

Areas of dense fog formed early in the morning on the 18th. Visibilities were reduced below one-quarter mile in some areas.

ALLEGANY (MD-Z002)

| | | | |
|--------------------|---|---|-----------|
| 10/19/06 02:00 EST | 0 | 0 | Dense Fog |
| 10/19/06 06:00 EST | 0 | 0 | |

Dense fog occurred early in the morning of the 19th. Visibilities were reduced below one-quarter mile in some areas.

FREDERICK (MD-Z004)

| | | | |
|--------------------|---|-----|-------------------------|
| 10/20/06 10:00 EST | 0 | 40K | Strong Wind (MAX 40 kt) |
| 10/20/06 14:00 EST | 0 | 0 | |

A strong cold front brought strong gusty northwest winds of up to 45 mph. Scattered reports of downed tree limbs and power outages were received. All across Frederick County there were scattered power outages and downed powerlines and tree limbs.

ANNE ARUNDEL (MD-Z014)

| | | | |
|--------------------|---|---|---------------|
| 10/28/06 08:00 EST | 0 | 0 | Coastal Flood |
| 10/28/06 09:20 EST | 0 | 0 | |

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

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|--|--------------------|----------------------------------|------------------------------------|-------------------------------|
| 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) | | | | |
| | 10/28/06 15:00 EST | 0 | 225K | Strong Wind (MAX 45 kt) |
| | 10/28/06 23:00 EST | 0 | 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

| | | | | |
|---------------|--------------------|---|---|---------------------------|
| SOUTH PORTION | 10/06/06 23:00 EST | 0 | 0 | Flood (due to Heavy Rain) |
| | 10/07/06 11:00 EST | 0 | 0 | 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 / CHARLOTTESVILLE (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)

| | | | | |
|--|--------------------|---|---|--------------|
| | 10/13/06 02:00 EST | 0 | 0 | Frost/Freeze |
| | 10/14/06 06:00 EST | 0 | 0 | |

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 / CHARLOTTESVILLE (VA-Z037), GREENE (VA-Z038), MADISON (VA-Z039), RAPPAHANNOCK (VA-Z040), ORANGE (VA-Z050), CULPEPER (VA-Z051)

| | | | | |
|--|--------------------|---|---|-----------|
| | 10/18/06 03:00 EST | 0 | 0 | Dense Fog |
| | 10/18/06 07:00 EST | 0 | 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 / CHARLOTTESVILLE (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 | 0 | Dense Fog |
| | 10/19/06 06:00 EST | 0 | 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)

| | | | | |
|--|--------------------|---|-----|-------------------------|
| | 10/28/06 16:45 EST | 0 | 80K | Strong Wind (MAX 45 kt) |
| | 10/28/06 23:00 EST | 0 | 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 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

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|---|--------------------|----------------------------------|------------------------------------|-------------------------------|
| GRANT (WV-Z048), MINERAL (WV-Z049), HAMPSHIRE (WV-Z050), MORGAN (WV-Z051), BERKELEY (WV-Z052), JEFFERSON (WV-Z053), PENDLETON (WV-Z054), HARDY (WV-Z055) | | | | |
| | 10/13/06 02:00 EST | 0 | 0 | Frost/Freeze |
| | 10/13/06 06:00 EST | 0 | 0 | |

A killing freeze occurred during the early morning of the 13th.

| | | | | |
|---|--------------------|---|---|-----------|
| GRANT (WV-Z048), MINERAL (WV-Z049), HAMPSHIRE (WV-Z050), MORGAN (WV-Z051), BERKELEY (WV-Z052), JEFFERSON (WV-Z053), PENDLETON (WV-Z054), HARDY (WV-Z055) | | | | |
| | 10/18/06 03:00 EST | 0 | 0 | Dense Fog |
| | 10/18/06 07:00 EST | 0 | 0 | |

Areas of dense fog formed early in the morning on the 18th. Visibilities were reduced below one-quarter mile in some areas.

| | | | | |
|--|--------------------|---|---|-----------|
| GRANT (WV-Z048), MINERAL (WV-Z049), HAMPSHIRE (WV-Z050), PENDLETON (WV-Z054), HARDY (WV-Z055) | | | | |
| | 10/19/06 02:00 EST | 0 | 0 | Dense Fog |
| | 10/19/06 06:00 EST | 0 | 0 | |

Dense fog occurred early in the morning of the 19th. Visibilities were reduced below one-quarter mile in some areas.

| | | | | |
|------------------------|--------------------|---|---|----------------|
| GRANT (WV-Z048) | | | | |
| | 10/23/06 22:00 EST | 0 | 0 | Winter Weather |
| | 10/24/06 05:00 EST | 0 | 0 | |

Upslope snow showers occurred early in the morning of the 24th in the favored upslope snow areas along and west of the Allegheny Front. The town of Bayard in Grant County, WV reported 1.5 inches of new snow during this time.

| | | | | |
|--|--------------------|---|-----|-------------------------|
| HAMPSHIRE (WV-Z050), BERKELEY (WV-Z052) | | | | |
| | 10/28/06 17:00 EST | 0 | 34K | Strong Wind (MAX 42 kt) |
| | 10/28/06 22:00 EST | 0 | 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 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.