

Storm Data and Unusual Weather Phenomena - October 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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ATLANTIC NORTH

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 10.0 W RIVIERA BEACH [39.12, -76.71]

10/09/07 19:19 EST	0	Marine Thunderstorm Wind (MG 34 kt)
10/09/07 19:19 EST	0	Source: ASOS

An automated surface observation from Baltimore/Washington International Airport measured a wind gust of 34 knots.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- 4.0 S STEVENSVILLE [38.92, -76.32]

10/09/07 20:28 EST	0	Marine Thunderstorm Wind (EG 34 kt)
10/09/07 20:28 EST	0	Source: Buoy

A buoy at Kent Island reported a wind gust in excess of 30 knots.

A cold front moving across the Mid Atlantic triggered scattered thunderstorms across northern Virginia and central Maryland. These storms produced wind gusts in excess of 30 knots as they pushed east across the Tidal Potomac River and the Maryland Chesapeake Bay.

CHESAPEAKE BAY N BEACH TO DRUM PT MD COUNTY --- COVE PT [38.38, -76.40]

10/11/07 00:12 EST	0	Marine Thunderstorm Wind (MG 35 kt)
10/11/07 01:18 EST	0	Source: Buoy

A buoy at Cove Point measured a wind gust of 35 knots.

TIDAL POTOMAC COBB IS MD TO SMITH PT VA COUNTY --- LEWISSETTA [38.00, -76.47]

10/11/07 00:48 EST	0	Marine Thunderstorm Wind (EG 34 kt)
10/11/07 00:48 EST	0	Source: Buoy

A buoy at Lewisetta reported a wind gust in excess of 30 knots.

A secondary cold front moving east across the Mid Atlantic triggered isolated showers and thunderstorms across the Washington DC and Baltimore Metro areas. These storms produced wind gusts in excess of 30 knots as they moves across the Tidal Potomac River and Maryland Chesapeake Bay.

TIDAL POTOMAC INDIAN HD TO COBB IS MD COUNTY --- QUANTICO [38.37, -75.73]

10/19/07 20:19 EST	0	Marine Thunderstorm Wind (EG 34 kt)
10/19/07 20:19 EST	0	Source: ASOS

An automated observation at Quantico Marine Corps Airfield measured wind gusts in excess of 30 knots.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 10.0 W RIVIERA BEACH [39.12, -76.71]

10/19/07 20:25 EST	0	Marine Thunderstorm Wind (MG 34 kt)
10/19/07 20:25 EST	0	Source: ASOS

The automated observation at Baltimore/Washington International Airport measured wind gusts of 34 knots.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 3.0 N RIVIERA BEACH [39.16, -76.52]

10/19/07 20:30 EST	0	Marine Thunderstorm Wind (MG 40 kt)
10/19/07 20:42 EST	0	Source: Buoy

The buoy at the Francis Scott Key Bridge measured wind gusts up to 40 knots.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- 8.0 ENE WDRON WLSN MEM BRDGE [38.92, -76.91]

10/19/07 20:31 EST	0	Marine Thunderstorm Wind (MG 43 kt)
10/19/07 20:31 EST	0	Source: ASOS

An automated observation at Ft. Belvoir measured a wind gust of 43 knots.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- 7.0 N MILLERS ISLAND [39.27, -76.42]

10/19/07 20:39 EST	0	Marine Thunderstorm Wind (MG 34 kt)
10/19/07 20:39 EST	0	Source: AWOS

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The automated surface observation at Martin State Airport measured a wind gust of 34 knots.

TIDAL POTOMAC KEY BRIDGE TO INDIAN HD MD COUNTY --- RNLD REAGAN NATL ARPT [38.87, -77.07]

10/19/07 20:40 EST	0	Marine Thunderstorm Wind (MG 38 kt)
10/19/07 20:40 EST	0	Source: ASOS

An automated observation at Reagan National Airport measured a wind gust of 38 knots.

CHESAPEAKE BAY POOLES IS TO SANDY PT MD COUNTY --- MILLERS ISLAND [39.17, -76.42]

10/19/07 20:54 EST	0	Marine Thunderstorm Wind (EG 34 kt)
10/19/07 20:54 EST	0	Source: Buoy

The buoy at Tolchester Beach reported wind gusts in excess of 30 knots.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- ANNAPOLIS [38.97, -76.50], 5.0 SE ANNAPOLIS [38.92, -76.43]

10/19/07 21:10 EST	0	Marine Thunderstorm Wind (MG 41 kt)
10/19/07 21:15 EST	0	Source: Buoy

Automated surface observations and buoys from Annapolis to Thomas Point Light measured several wind gusts in excess of 30 knots.

CHESAPEAKE BAY N OF POOLES IS MD COUNTY --- 15.0 E HAVRE DE GRACE [39.55, -75.82]

10/19/07 21:18 EST	0	Marine Thunderstorm Wind (EG 34 kt)
10/19/07 21:18 EST	0	Source: Buoy

An automated observation at Chesapeake City, MD reported wind gusts in excess of 30 knots.

CHESAPEAKE BAY SANDY PT TO N BEACH MD COUNTY --- STEVENSVILLE [38.98, -76.32]

10/19/07 21:21 EST	0	Marine Thunderstorm Wind (MG 35 kt)
10/19/07 21:21 EST	0	Source: Buoy

The buoy at Stevensville measured a wind gust of 35 knots.

A cold front pushing east from the Ohio Valley moved across the Mid Atlantic October 19th. Strong thunderstorms associated with this front produced wind gusts in excess of 40 knots as they moved across the Tidal Potomac River and Maryland Chesapeake Bay during the late evening.

DISTRICT OF COLUMBIA

(DC-Z001) DISTRICT OF COLUMBIA

10/01/07 00:00 EST	0	Drought
10/30/07 23:59 EST	0	

Severe Drought conditions persisted through October. In early October, rainfall deficits totaled nearly 10 inches. However, a series of low pressure systems late in the month brought between 3 and 6 inches of rainfall to slightly reduce those deficits. Several jurisdictions within the Washington DC metro area posted either voluntary or mandatory water restrictions throughout the month. Just before the needed rainfall towards the end of the month, the National Drought Monitor listed portions the area under Extreme Drought conditions. Damage estimates were not available.

MARYLAND, Central

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT

10/04/07 02:00 EST	0	Dense Fog
10/04/07 08:00 EST	0	

The combination of moisture and a mostly clear and calm night lead to widespread dense fog development during the early morning hours across portions of lower southern Maryland and north central Maryland. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

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(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL				
	10/05/07 02:00 EST		0	Dense Fog
	10/05/07 08:00 EST		0	

The combination of moisture and a mostly clear and calm night lead to widespread dense fog development during the early morning hours across portions of lower southern Maryland and north central Maryland. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

(MD-Z013) PRINCE GEORGES, (MD-Z017) ST. MARY'S, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	10/05/07 23:00 EST		0	Dense Fog
	10/06/07 09:00 EST		0	

The combination of moisture and a mostly clear and calm night lead to dense fog development during the overnight and early morning hours along the western shore of the Chesapeake Bay from lower southern Maryland to Baltimore as well as along the Allegheny Front of western Maryland. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

(MD-Z003) WASHINGTON, (MD-Z004) FREDERICK, (MD-Z009) MONTGOMERY, (MD-Z014) ANNE ARUNDEL, (MD-Z501) EXTREME WESTERN ALLEGANY, (MD-Z502) CENTRAL AND EASTERN ALLEGANY				
	10/29/07 04:00 EST		0	Frost/Freeze
	10/29/07 09:00 EST		0	

Cold high pressure over the Mid Atlantic brought clear skies and light winds to much of northern and central Maryland. This allowed for overnight low temperatures to fall to around 30 degrees. This freeze combined with a continuing drought brought an end to the growing season.

(MD-Z004) FREDERICK, (MD-Z005) CARROLL, (MD-Z006) NORTHERN BALTIMORE, (MD-Z009) MONTGOMERY, (MD-Z010) HOWARD, (MD-Z011) SOUTHERN BALTIMORE, (MD-Z013) PRINCE GEORGES, (MD-Z014) ANNE ARUNDEL, (MD-Z016) CHARLES, (MD-Z017) ST. MARY'S, (MD-Z018) CALVERT				
	10/01/07 00:00 EST		0	Drought
	10/30/07 23:59 EST		0	

Severe Drought conditions persisted through October. In early October, rainfall deficits totaled nearly 10 inches. However, a series of low pressure systems late in the month brought between 3 and 6 inches of rainfall to slightly reduce those deficits. Many counties and cities posted both voluntary and mandatory water restrictions throughout the month. Just before the needed rainfall towards the end of the month, the National Drought Monitor listed portions of Montgomery and Charles Counties under Extreme Drought conditions. Damage estimates were not available.

VIRGINIA, North

(VA-Z042) LOUDOUN, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE				
	10/04/07 02:00 EST		0	Dense Fog
	10/04/07 08:00 EST		0	

The combination of moisture and a mostly clear and calm night lead to widespread dense fog development during the early morning hours across portions of northern and eastern Virginia. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

(VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD				
	10/05/07 02:00 EST		0	Dense Fog
	10/05/07 08:00 EST		0	

The combination of moisture and a mostly clear and calm night lead to widespread dense fog development during the early morning hours across portions of northern and eastern Virginia. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

(VA-Z025) AUGUSTA, (VA-Z028) FREDERICK, (VA-Z050) ORANGE, (VA-Z051) CULPEPER				
	10/05/07 23:00 EST		0	Dense Fog
	10/06/07 09:00 EST		0	

The combination of moisture and a mostly clear and calm night lead to dense fog development during the overnight and early morning

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hours across portions of the Virginia Piedmont and Shenandoah Valley. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

(VA-Z025) AUGUSTA, (VA-Z026) ROCKINGHAM, (VA-Z027) SHENANDOAH, (VA-Z030) WARREN, (VA-Z037) ALBEMARLE, (VA-Z042) LOUDOUN, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX	10/29/07 04:00 EST		0	Frost/Freeze
	10/29/07 09:00 EST		0	

Cold high pressure over the Mid Atlantic brought clear skies and light winds to much of northern Virginia, the Piedmont region and the Shenandoah Valley. This allowed for overnight low temperatures to fall to around 30 degrees. This freeze combined with a continuing drought brought an end to the growing season.

(VA-Z028) FREDERICK, (VA-Z041) FAUQUIER, (VA-Z050) ORANGE, (VA-Z056) SPOTSYLVANIA	10/30/07 04:00 EST		0	Frost/Freeze
	10/30/07 09:00 EST		0	

Cold high pressure over the Mid Atlantic continued to bring clear skies and light winds to much of northern Virginia, the Piedmont region and the Shenandoah Valley. This allowed for overnight low temperatures to fall to around 30 degrees. This freeze combined with a continuing drought brought an end to the growing season.

(VA-Z031) CLARKE, (VA-Z036) NELSON, (VA-Z037) ALBEMARLE, (VA-Z038) GREENE, (VA-Z039) MADISON, (VA-Z040) RAPPAHANNOCK, (VA-Z041) FAUQUIER, (VA-Z042) LOUDOUN, (VA-Z050) ORANGE, (VA-Z051) CULPEPER, (VA-Z052) PRINCE WILLIAM, (VA-Z053) FAIRFAX, (VA-Z055) STAFFORD, (VA-Z056) SPOTSYLVANIA, (VA-Z057) KING GEORGE	10/01/07 00:00 EST		0	Drought
	10/30/07 23:59 EST		0	

Severe Drought conditions persisted through October. In early October, rainfall deficits totaled nearly 10 inches. However, a series of low pressure systems late in the month brought between 3 and 6 inches of rainfall to slightly reduce those deficits. All counties and independent cities in the Commonwealth were designated primary disaster areas with the exception of the Arlington County and the independent cities of Alexandria and Falls Church, which were designated contiguous disaster areas. Many counties and cities posted both voluntary and mandatory water restrictions throughout the month. Just before the needed rainfall towards the end of the month, the National Drought Monitor listed much of northern Virginia and the northern Piedmont under Extreme Drought conditions. Damage estimates were not available.

WEST VIRGINIA, East

(WV-Z052) BERKELEY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT	10/05/07 23:00 EST		0	Dense Fog
	10/06/07 09:00 EST		0	

The combination of moisture and a mostly clear and calm night lead to dense fog development during the overnight and early morning hours along the Allegheny Front of the eastern pan handle of West Virginia. Local airports and automated observations reported fog reducing visibility to a quarter mile or less.

(WV-Z052) BERKELEY, (WV-Z053) JEFFERSON, (WV-Z054) PENDLETON, (WV-Z055) HARDY, (WV-Z501) WESTERN GRANT, (WV-Z502) EASTERN GRANT, (WV-Z503) WESTERN MINERAL, (WV-Z504) EASTERN MINERAL	10/29/07 04:00 EST		0	Frost/Freeze
	10/29/07 09:00 EST		0	

Cold high pressure over the Mid Atlantic brought clear skies and light winds to much the eastern pan handle of West Virginia. This allowed for overnight low temperatures to fall to around 30 degrees. This freeze combined with a continuing drought brought an end to the growing season.

(WV-Z053) JEFFERSON	10/01/07 00:00 EST		0	Drought
	10/23/07 23:59 EST		0	

Severe Drought conditions persisted through much of October in Jefferson County. Rainfall deficits reached a high of 10 inches below normal for the year, but a series of low pressure systems moving across the Mid Atlantic helped to decrease those deficits by a few inches. Damage estimates were not available.