

# Storm Data and Unusual Weather Phenomena

April 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>ATLANTIC OCEAN</u></b>									
ANZ535 Rnld Reagan Natl Arpt	03	1820EST			0	0			Marine Tstm Wind (MG35)
ANZ532 5 SE Annapolis	03	1912EST			0	0			Marine Tstm Wind (MG40)
Measured at Thomas Point Light									
ANZ537 Lewisetta	03	1912EST 1918EST			0	0			Marine Tstm Wind (MG36)
ANZ531 Tolchester Beach	03	1924EST			0	0			Marine Tstm Wind (EG34)
A cold front combined with strong instability to cause numerous severe thunderstorms to occur on April 3 across the Mid Atlantic. The majority of the severe weather reports were from large hail and damaging wind gusts.									
ANZ531 10 W Riviera Beach to Tolchester Beach	05	0641EST 0759EST			0	0			Marine Tstm Wind (EG52)
Max wind gust of 52 knots was measured at Tolchester Beach									
ANZ530 4 W Aberdeen Proving C	05	0651EST 0703EST			0	0			Marine Tstm Wind (EG34)
ANZ535 Rnld Reagan Natl Arpt to Woodbridge	05	0655EST 0711EST			0	0			Marine Tstm Wind (EG37)
Max wind gust 37 knots at Mason Neck									
ANZ533 3 E Plum Pt	05	0700EST 0730EST			0	0			Marine Tstm Wind (MG46)
Peak wind measured at Horn Point									
ANZ532 Annapolis to 4 S Stevensville	05	0706EST 0725EST			0	0			Marine Tstm Wind (EG46)
Max wind gust of 46 knots was measured at Thomas Point Light									
ANZ536 Quantico	05	0728EST 0805EST			0	0			Marine Tstm Wind (EG34)
ANZ533 Cove Pt	05	0754EST 0850EST			0	0			Marine Tstm Wind (MG38)
ANZ534 Solomons Island to 17 E Patuxent River Nas	05	0812EST 0836EST			0	0			Marine Tstm Wind (EG42)
Peak wind gust measured at Bishops Head									
ANZ537 Piney Pt to Lewisetta	05	0824EST 1006EST			0	0			Marine Tstm Wind (EG34)
ANZ531 Tolchester Beach to Millers Island	05	0836EST 1018EST			0	0			Marine Tstm Wind (EG53)
ANZ530 4 W Aberdeen Proving C	05	0850EST 0854EST			0	0			Marine Tstm Wind (MG51)
Martin State Airport									
ANZ533 3 E Plum Pt	05	0855EST 1100EST			0	0			Marine Tstm Wind (EG34)

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## ATLANTIC OCEAN

ANZ534 17 E Patuxent River Nas Solomons Island	05	0900EST 0948EST			0	0			Marine Tstm Wind (EG39)
ANZ532 Annapolis	05	0950EST 1027EST			0	0			Marine Tstm Wind (MG36)
Measured at Annapolis Automated Station (KNAK)									
ANZ531 Tolchester Beach	05	1018EST 1048EST			0	0			Marine Tstm Wind (EG34)
ANZ534 Smith Island	05	1042EST			0	0			Marine Tstm Wind (MG37)
A fast moving upper level disturbance caused rain and snow squalls, containing thunder and lightning, to drop quickly from Pennsylvania south into central and eastern Maryland, early in the morning of April 5. Strong winds occurred on the tidal waters of the Chesapeake Bay and Tidal Potomac River in conjunction with these squalls.									
ANZ535 Rnld Reagan Natl Arpt	07	1824EST			0	0			Marine Tstm Wind (MG35)
ANZ535 Rnld Reagan Natl Arpt	07	2017EST			0	0			Marine Tstm Wind (EG34)
ANZ531 10 W Riviera Beach	07	2039EST			0	0			Marine Tstm Wind (EG34)
ANZ532 5 SE Annapolis	07	2042EST			0	0			Marine Tstm Wind (MG47)
Measured at Thomas Point Light									
ANZ537 Piney Pt to Lewisetta	07	2048EST 2106EST			0	0			Marine Tstm Wind (MG38)
ANZ534 Solomons Island	07	2100EST			0	0			Marine Tstm Wind (EG34)
ANZ533 Cove Pt	07	2100EST			0	0			Marine Tstm Wind (MG42)
Ahead of a cold front, the airmass was warm and unstable, and conducive to shower and thunderstorm development. With strong winds aloft, a few thunderstorms reached severe criteria, producing damaging wind gusts across portions of the area.									
ANZ536 Quantico to Route 301 Bridge	13	1320EST 1325EST			0	0			Marine Hail (0.75)
ANZ537 Lewisetta	13	1506EST			0	0			Marine Tstm Wind (MG34)
A strong upper level disturbance caused scattered showers and thunderstorms to develop during the afternoon and evening of April 13. A few of these storms reached severe limits with damaging winds and large hail.									
ANZ536 Colonial Beach	15	1527EST			0	0			Marine Tstm Wind (EG34)
ANZ536 Cobb Island to Route 301 Bridge	15	1635EST 1650EST			0	0			Marine Hail (1.50)
ANZ536 Colonial Beach	15	1712EST			0	0			Marine Tstm Wind (MG40)
Strong daytime heating conditions, combined with favorable winds and cold temperatures at a higher altitude, contributed to scattered thunderstorm development during the afternoon and evening of April 15. Some of these storms reached severe limits, with the primary hazard being large hail.									
ANZ530 Aberdeen Proving Grnd t Havre De Grace	23	2018EST 2100EST			0	0			Marine Hail (0.75)

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## ATLANTIC OCEAN

<b>ANZ531</b>	<b>Chesapeake Bay Pooles Is To Sandy Pt Md</b>								
Millers Island to Riviera Beach	23	2018EST 2115EST			0	0			Marine Hail (0.88)

<b>ANZ530</b>	<b>Chesapeake Bay N Of Pooles Is Md</b>								
Pooles Island to Spesutie Island	23	2145EST 2200EST			0	0			Marine Hail (0.88)

<b>ANZ531</b>	<b>Chesapeake Bay Pooles Is To Sandy Pt Md</b>								
Tolchester Beach	23 24	2336EST 2359EST			0	0			Marine Tstm Wind (MG34)

Strong thunderstorms were capable of producing very large hail during the late evening of April 23, due to very cold air aloft in the atmosphere. Severe criteria large hail reports were received from areas near Baltimore, Maryland, including the adjacent waters of the Chesapeake Bay.

<b>ANZ535</b>	<b>Tidal Potomac Key Bridge To Indian Hd Md</b>								
Rnld Reagan Natl Arpt	25	2039EST			0	0			Marine Tstm Wind (MG35)

## MARYLAND, Central

<b>Allegany County</b>	<b>Oldtown</b>								
	03	1545EST 1600EST			0	0			Hail(0.88)

<b>Washington County</b>	<b>2 NNE Hancock</b>								
	03	1630EST			0	0			Hail(0.75)
Hail reported by spotter near exit 2 of I-70.									

<b>Washington County</b>	<b>Keedysville</b>								
	03	1720EST			0	0	15K		Thunderstorm Wind (EG50)
Several trees downed									

<b>Washington County</b>	<b>Smithsburg</b>								
	03	1725EST			0	0			Hail(0.88)

<b>Frederick County</b>	<b>Frederick</b>								
	03	1745EST			0	0			Hail(0.75)

<b>Frederick County</b>	<b>Frederick</b>								
	03	1745EST			0	0	8K		Thunderstorm Wind (EG50)
Tree limbs downed near downtown									

<b>Montgomery County</b>	<b>Germantown</b>								
	03	1809EST			0	0			Hail(0.75)

<b>Howard County</b>	<b>Glenelg</b>								
	03	1815EST			0	0			Hail(0.75)

<b>Montgomery County</b>	<b>Colesville</b>								
	03	1825EST			0	0			Hail(1.00)

<b>Carroll County</b>	<b>Eldersburg</b>								
	03	1828EST			0	0			Hail(0.75)

<b>Howard County</b>	<b>Elk Ridge</b>								
	03	1830EST			0	0			Hail(0.75)

<b>Montgomery County</b>	<b>Silver Spg</b>								
	03	1830EST			0	0			Hail(0.75)

<b>Prince George'S County</b>	<b>Hyattsville</b>								
	03	1830EST			0	0			Hail(0.75)

<b>Prince George'S County</b>	<b>Camp Spgs</b>								
	03	1833EST			0	0			Thunderstorm Wind (MG54)
Measured at Andrews AFB									

# Storm Data and Unusual Weather Phenomena

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b><u>MARYLAND, Central</u></b>									
Prince George'S County Oxon Hill	03	1833EST			0	0			Hail(0.75)
Howard County Savage	03	1835EST			0	0			Hail(1.00)
Prince George'S County Beltsville	03	1835EST			0	0			Hail(0.75)
Prince George'S County Oxon Hill	03	1838EST			0	0			Hail(0.75)
Prince George'S County Largo	03	1845EST			0	0	30K		Thunderstorm Wind (EG50)
Numerous trees downed in Watkins Park									
Baltimore City (C) Baltimore	03	1850EST			0	0			Hail(0.75)
Baltimore County Pikesville	03	1855EST			0	0			Hail(0.75)
Penny-sized hail report from Pikesville									
Baltimore County Towson	03	1902EST			0	0			Hail(0.75)
Baltimore County Perry Hall	03	1904EST 1910EST			0	0			Hail(1.00)
Hail lasted for 6 minutes									
Baltimore County Parkville	03	1905EST			0	0			Hail(0.75)
Baltimore County Dundalk	03	1908EST			0	0			Hail(1.00)
Harford County Abingdon	03	1931EST			0	0			Hail(0.75)
Harford County Belcamp	03	1937EST			0	0			Hail(0.75)
Power outages reported									
A cold front combined with strong instability to cause numerous severe thunderstorms to occur on April 3 across the Mid Atlantic. The majority of the severe weather reports were from large hail and damaging wind gusts.									
Prince George'S County Greenbelt	05	0600EST			0	0	20K		Thunderstorm Wind (EG50)
Damaging wind gusts occurred with an area of heavy showers moving through central and eastern Maryland early in the morning. Three large trees were downed at a residential property in Greenbelt, according to newspaper reports.									
Baltimore County Middle River	05	0850EST			0	0			Thunderstorm Wind (MG51)
Wind gust was measured at Martin-State Airport during a heavy snow squall.									
A fast moving upper level disturbance caused rain and snow squalls, containing thunder and lightning, to drop quickly from Pennsylvania south into central and eastern Maryland, early in the morning of April 5. Damaging wind gusts occurred in conjunction with these squalls.									
Charles County 3 SE Waldorf	13	1340EST			0	0			Hail(0.75)
Charles County Waldorf	13	1840EST			0	0			Hail(0.88)
A strong upper level disturbance caused scattered showers and thunderstorms to develop during the afternoon and evening of April 13. A few of these storms reached severe limits with damaging winds and large hail.									
Baltimore County Bentley Spgs	14	2250EST			0	0			Hail(0.75)

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					Killed	Injured	Property	Crops	

## MARYLAND, Central

### Charles County

Nanjemoy	15	1645EST			0	0			Hail(1.00)
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Strong daytime heating conditions, combined with favorable winds and cold temperatures at a higher altitude, contributed to scattered thunderstorm development during the afternoon and evening of April 15. Some of these storms reached severe limits, with the primary hazard being large hail.

### Allegany County

Oldtown	22	1130EST 1230EST			0	0			Flood
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Flooding occurred along the banks of the C and O Canal.

### Montgomery County

Gaithersburg to Rockville	22	1900EST 2030EST			0	0	50K		Flash Flood
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Water rescue with several closed roads near Seneca Creek State Park. Three feet of standing water at the I-270 and Route 28 interchange. Several stalled vehicles.

### Baltimore County

Catonsville Manor	22	1930EST 2000EST			0	0			Flash Flood
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Flooded roads and one road closure in the northwest part of the county, including the town of Catonsville.  
High moisture content and relatively light winds created prime conditions for flash flooding to occur with rain and thunderstorms on the evening of April 22. There were several reports of flooding and flash flooding due to the heavy rainfall across portions of the region.

### Baltimore County

Bowleys Quarters	23	2018EST			0	0			Hail(0.75)
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Reported near Bowley Bar

### Baltimore County

Perry Hall	23	2058EST			0	0			Hail(0.75)
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### Harford County

Joppa	23	2135EST			0	0			Hail(0.88)
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Nickel sized hail reported at junction of MD route 152 and Interstate 95.

### Howard County

Columbia	23	2300EST 2359EST			0	0			Hail(1.00)
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Quarter-sized hail reported near Columbia

### Anne Arundel County

Pasadena to Rivera Beach	23	2307EST 2321EST			0	0			Hail(1.50)
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Ping-pong ball sized hail

### MDZ004>005-009

Frederick - Carroll - Montgomery	24	0200EST 0600EST			0	0			Dense Fog
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Strong thunderstorms were capable of producing very large hail during the late evening of April 23, due to very cold air aloft in the atmosphere. Severe criteria large hail reports were received from areas near Baltimore, Maryland, including the adjacent waters of the Chesapeake Bay. Later that evening, wet grounds contributed to the development of areas of dense fog, mainly in the Washington and Baltimore region.

## VIRGINIA, North

### Augusta County

Stuarts Draft	03	1630EST			0	0	12K		Thunderstorm Wind (EG50)
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Isolated reports of downed powerlines and tree limbs

### Albemarle County

2 S Earlsville	03	1632EST			0	0	15K		Thunderstorm Wind (EG50)
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Trees down on Profitt Road, just outside the City of Charlottesville.

### Albemarle County

Woodridge	03	1635EST			0	0			Hail(0.75)
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<b><u>VIRGINIA, North</u></b>									
<b>Culpeper County</b>									
Culpeper	03	1715EST			0	0	5K		Thunderstorm Wind (EG50)
									Wind damage to an above ground swimming pool
<b>Loudoun County</b>									
Pleasant Vly	03	1737EST			0	0	20K		Thunderstorm Wind (EG50)
									Several trees downed
<b>Arlington County</b>									
Arlington	03	1809EST			0	0			Hail(0.75)
									A cold front combined with strong instability to cause numerous severe thunderstorms to occur on April 3 across the Mid Atlantic. The majority of the severe weather reports were from large hail and damaging wind gusts.
<b>Shenandoah County</b>									
Fishers Hill	07	1535EST			0	0	15K		Thunderstorm Wind (EG50)
									Scattered tree damage, along with small hail about the size of peas
<b>Augusta County</b>									
Craigsville	07	1807EST			0	0	10K		Thunderstorm Wind (EG50)
									Two trees downed
<b>Augusta County</b>									
Sherando	07	1830EST			0	0	15K		Thunderstorm Wind (EG50)
									Trees downed near Sherando
<b>Nelson County</b>									
Greenfield	07	1830EST			0	0	60K		Thunderstorm Wind (EG50)
									Trees downed countywide
<b>Albemarle County</b>									
Crozet	07	1836EST			0	0	20K		Thunderstorm Wind (EG50)
									Trees and wires downed
									Ahead of a cold front, the airmass was warm and unstable, and conducive to shower and thunderstorm development. With strong winds aloft, a few thunderstorms reached severe criteria, producing damaging wind gusts across portions of the area.
<b>Prince William County</b>									
Dale City	13	1305EST			0	0			Hail(0.75)
									Occurred near US Route 1
									A strong upper level disturbance caused scattered showers and thunderstorms to develop during the afternoon and evening of April 13. A few of these storms reached severe limits with damaging winds and large hail.
<b>Stafford County</b>									
Stafford	15	1445EST 1500EST			0	0			Hail(0.75)
<b>King George County</b>									
King George	15	1525EST			0	0			Hail(0.75)
<b>King George County</b>									
2 ESE King George to 2 ESE Shiloh	15	1530EST			0	0			Hail(1.00)
<b>Prince William County</b>									
Quantico Mcas	15	1635EST			0	0			Hail(1.50)
									Hail covered runways and took over one hour to melt in grassy areas after the storm passed.
<b>King George County</b>									
5 N Dahlgren	15	1700EST			0	0			Hail(0.75)
									Strong daytime heating conditions, combined with favorable winds and cold temperatures at a higher altitude, contributed to scattered thunderstorm development during the afternoon and evening of April 15. Some of these storms reached severe limits, with the primary hazard being large hail.
<b>Fauquier County</b>									
1 N Warrenton	22	1715EST 1730EST			0	0			Flash Flood
									Mudslide and closures reported on US route 29

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<b><u>VIRGINIA, North</u></b>									
<b>Culpeper County</b>									
Jeffersonton	22	1735EST 1745EST			0	0			Flash Flood
Several road closures with high water									
<b>Prince William County</b>									
3 NE Haymarket	22	1744EST 1800EST			0	0			Flash Flood
Catharpin Run flowing across Pageland Road									
<b>Fauquier County</b>									
Warrenton	22	1745EST			0	0	25K		Heavy Rain
Hospital roof collapsed due to heavy rainfall, estimated at 3 inches in only a few hours.									
<b>Fairfax County</b>									
Burke	22	1800EST 1820EST			0	0			Flash Flood
Road closures at intersection of Burke Lake Road and Old Ox Road.									
<b>Fauquier County</b>									
New Baltimore	22	1930EST 2000EST			0	0			Flash Flood
Intersection of US 29 and Baldwin Street flooded with several inches of flowing water									
<b>Fairfax County</b>									
Burke	22	1945EST 2000EST			0	0			Flash Flood
Burke Lake Road closed between Routes 123 and 7100 due to high water. Several other roads closed in the area due to high water.									
<b>Fairfax County</b>									
3 W Centreville	22	2015EST 2025EST			0	0			Flash Flood
Bull Run Post Office Road closed due to high water									
High moisture content and relatively light winds created prime conditions for flash flooding to occur with rain and thunderstorms on the evening of April 22. There were several reports of flooding and flash flooding due to the heavy rainfall across portions of the region.									
VAZ041>042-050>053-055>056	<b>Fauquier - Loudoun - Orange - Culpeper - Prince William - Fairfax - Stafford - Spotsylvania</b>								
	24	0200EST 0600EST			0	0			Dense Fog
Wet grounds contributed to the development of areas of dense fog, mainly in the Washington and Baltimore region.									
<b><u>WEST VIRGINIA, East</u></b>									
<b>Hampshire County</b>									
Romney	03	1535EST			0	0			Hail(0.88)
A cold front combined with strong instability to cause numerous severe thunderstorms to occur on April 3 across the Mid Atlantic. The majority of the severe weather reports were from large hail and damaging wind gusts.									
<b>WVZ048</b>									
Grant	05	0115EST 0615EST			0	0			Heavy Snow
Heavy snow occurred due to a strong upper-level disturbance combined with moist upslope flow into the Appalachian mountains. Total snowfall was around 6 inches in the higher elevations.									
<b>Grant County</b>									
Petersburg	07	1449EST			0	0			Thunderstorm Wind (MG53)
Gust measured at Petersburg Automated Station									
Ahead of a cold front, the airmass was warm and unstable, and conducive to shower and thunderstorm development. With strong winds aloft, a few thunderstorms reached severe criteria, producing damaging wind gusts across portions of the area.									