



Location

Time Local/ Standard

Path Width Width Persons Killed Injured Property Crops

Character of Storm

ATLANTIC NORTH

ANZ531

Chesapeake Bay Pooles Is To Sandy Pt Md
7 N Millers Island

01 1625EST

0 0 0

Marine Tstm Wind (EG34)

ANZ531	_	eake Bay Pooles Is To Sandy Pt Md			
7 N Millers Island	01	1625EST	0	0	Marine Tstm Wind (EG34)
ANZ532 5 SE Annapolis	Chesape 05	eake Bay Sandy Pt To N Beach Md 1551EST	0	0	Marine Tstm Wind (MG34)
ANZ531 3.5 NW Millers Island	05	eake Bay Pooles Is To Sandy Pt Md 1736EST capsized off Strawberry Point on the Middle R	0 River.	0	Marine Tstm Wind (EG45)
ANZ530	Chesape	eake Bay N Of Pooles Is Md			
6 NW Pooles Island	05	1800EST	0	0	Marine Tstm Wind (MG38)
ANZ534	Chesape	eake Bay Drum Pt To Smith Pt Va			
16 SE Patuxent River Na	05	1830EST	0	0	Marine Tstm Wind (MG42)
ANZ534		eake Bay Drum Pt To Smith Pt Va			
Smith Island	05	1900EST	0	0	Marine Tstm Wind (MG34)
ANZ537		otomac Cobb Is Md To Smith Pt Va	•	0	M T W. 105000
Lewisetta	07	1342EST	0	0	Marine Tstm Wind (MG36)
ANZ537 Lewisetta	Tidal Po	otomac Cobb Is Md To Smith Pt Va 1354EST	0	0	Marine Tstm Wind (EG34)
			U	U	Marine Isun Wind (EG54)
ANZ537 Point Lookout	07	otomac Cobb Is Md To Smith Pt Va 1400EST	0	0	Marine Tstm Wind (MG36)
ANZ534		eake Bay Drum Pt To Smith Pt Va	v	·	Warme 1still Wind (19050)
Solomons Island	12	1800EST	0	0	Marine Tstm Wind (EG34)
ANZ537	Tidal Po	otomac Cobb Is Md To Smith Pt Va			, ,
Point Lookout	12	1815EST	0	0	Marine Tstm Wind (MG35)
ANZ534	Chesape	eake Bay Drum Pt To Smith Pt Va			
17 E Patuxent River Nas	_	1830EST	0	0	Marine Tstm Wind (MG42)
ANZ530	Chesape	eake Bay N Of Pooles Is Md			
Aberdeen Proving Grnd	14	1400EST	0	0	Marine Tstm Wind (EG40)
ANZ535	Tidal Po	otomac Key Bridge To Indian Hd Md			
2 SW Rnld Reagan Natl	14	1400EST	0	0	Marine Tstm Wind (MG36)
ANZ535		otomac Key Bridge To Indian Hd Md			
Rnld Reagan Natl Arpt	14	1402EST	0	0	Marine Tstm Wind (MG36)
ANZ536		otomac Indian Hd To Cobb Is Md	•	0	M . T. W. 1/EGA
Quantico	14	1440EST 1748EST	0	0	Marine Tstm Wind (EG34)
ANZ534	Chesape	eake Bay Drum Pt To Smith Pt Va			
Solomons Island	14	1553EST 1605EST	0	0	Marine Tstm Wind (MG64)
A 31/7/50 A	CI				
ANZ534 Patuxent River Nas	Cnesape	eake Bay Drum Pt To Smith Pt Va 1605EST	0	0	Marine Tstm Wind (MG74)
ANZ533		eake Bay N Beach To Drum Pt Md	v	v	Warme 1still Wild (WO74)
Drum Pt	14	1605EST	0	0	Marine Tstm Wind (EG35)
ANZ534		eake Bay Drum Pt To Smith Pt Va			(= 0.1)
16 SE Patuxent River Na		1615EST	0	0	Marine Tstm Wind (MG46)
ANZ537	Tidal Po	otomac Cobb Is Md To Smith Pt Va			
Point Lookout	14	1615EST	0	0	Marine Tstm Wind (MG39)
ANZ534	Chesape	eake Bay Drum Pt To Smith Pt Va			
13 NE Crisfield	14	1645EST	0	0	Marine Tstm Wind (MG48)
ANZ534	Chesape	eake Bay Drum Pt To Smith Pt Va			
Crisfield	14	1700EST	0	0	Marine Tstm Wind (MG34)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perse Killed		Estimated Damage Property Crops	Character of Storm	July 2004
ATLANTIC NORTH									
ANZ537 Point Lookout	Tidal P	otomac Cobb I 1715EST	s Md To Smit	th Pt Va	0	0		Marine Tstm W	ind (MG34)
ANZ534 16 SE Patuxent River Nas		eake Bay Drun 1845EST	n Pt To Smith	Pt Va	0	0		Marine Tstm W	ind (MG36)
ANZ536 Quantico	Tidal P 22	otomac Indian 1645EST	Hd To Cobb	Is Md	0	0		Marine Tstm W	ind (EG34)
DISTRICT OF COLUM	<u>IBIA</u>								
District Of Columbia Northeast Portion							mass was very moin the Northeast	Hail(0.88) ast and unstable. Scat	tered showers and
District Of Columbia Us Capitol	04	1510EST 1710EST			0	0		Flash Flood	
	Record		d in the Distric	ct, flooding m	any downto			OC Metropolitan area lead to the cancellatio	
District Of Columbia Countywide	inches		produced wid	le spread flasl	n flooding i	in District	of Columbia and th	Flash Flood of the front was plet the surrounding suburb	
MARYLAND, Central									
Baltimore County Parkville	01 Large li	1525EST imbs down on p	owerlines.		0	0	1K	Thunderstorm V	Wind (EG55)
Baltimore County White Marsh	01 Trees d	1525EST own.			0	0	2K	Thunderstorm \	Wind (MG55)
Baltimore County Essex	01 Baseba	1550EST ll size hail repor	rted by law enf	orcement offi	0 cers.	0		Hail(2.75)	
Baltimore County Essex	01 Trees a	1559EST nd powerlines d	own.		0	0	3K	Thunderstorm \	Wind (EG58)
Montgomery County Glenmont	01 Nickel	1716EST size hail reporte	ed by emergence	cy workers	0	0		Hail(0.88)	
Montgomery County Glenmont	01 Trees d	1716EST own on powerli	nes.		0	0	2K	Thunderstorm \	Wind (EG58)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed	er of ons Injured	Estimated Damage Property Crop	os Character of Storm	July 2004
MARYLAND, Central									
Montgomery County Silver Spg	01 Public 1	1720EST reported penny siz	e hail.		0	0		Hail(0.75)	
Montgomery County White Oak	01 Public 1	1720EST reported quarter si	ze hail.		0	0		Hail(1.00)	
Prince George'S County Beltsville	01 Nickel	1745EST size hail reported	by train spott	eı.	0	0		Hail(0.88)	
Prince George'S County Hyattsville	01 Golfbal	1748EST l size hail reporte	d by NWS en	nployee.	0	0		Hail(1.75)	
Prince George'S County 2 W Bladensburg	01 Golfbal	1755EST l size hail reporte	d by NWS en	nployee.	0	0		Hail(1.75)	
Prince George'S County Hyattsville	01 Half do	1800EST llar size hail repo	rted by the mo	edia.	0	0		Hail(1.25)	
Prince George'S County Forestville	01 Office l	1814EST building damaged	and trees dov	wn along Roi	0 ute 4.	0	200K	Thunderstorm Wine	l (EG65)
Prince George'S County Landover	01 Large to	1818EST ree down.			0	0	0.50K	Thunderstorm Wine	l (EG57)
Prince George'S County Seat Pleasant	Scattere basebal	ed showers and th	understorms re, Montgom	developed o	ver the regi	on. Some	e of the storms pr	Thunderstorm Wind very moist and unstable by oduced large hail ranging from re also accompanied by stro	the afternoon. om a penny to
Montgomery County Countywide	04	1400EST 1730EST			0	0		Flash Flood	
Prince George'S County West Portion	04	1400EST 1700EST			0	0		Flash Flood	
	George: present	s County record r	ainfall was re ditions for dr	eported in O	xon Hill. R	oads thro	oughout the weste	Ietropolitan area on 4th of J rn portion of the county wer and high water was also bla	re flooded and
Montgomery County Germantown	05 Nickel	1517EST size hail reported	by a trained s	potter.	0	0		Hail(0.88)	
Prince George'S County Bowie	05 Tree do	1517EST own on a house in	Bowie.		0	0	10K	Thunderstorm Wind	i (EG55)





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perse Killed		Estimated Damage Property C	
MARYLAND, Central								
Washington County Smithsburg	05 Walnu	1554EST at size hail repo	rted by emergen	cy personnel.	0	0		Hail(1.50)
Anne Arundel County Shady Side	05 Large	1600EST tree and branch	nes down around	d the area.	0	0	0.50K	Thunderstorm Wind (EG55)
Frederick County Thurmont	05 Large	1605EST tree down at Re	oute 15 and Stul	l Road.	0	0	0.50K	Thunderstorm Wind (EG55)
Carroll County Manchester	05 Severa	1658EST al trees down in	Manchester and	l Linesboro.	0	0	2K	Thunderstorm Wind (EG60)
Baltimore County Parkville	05 Wides	1710EST	l wires down in 1	northeast Balt	0 imore Cour	0	4K	Thunderstorm Wind (EG60)
Baltimore County 5 N Perry Hall	winds Baltim	and nickel to nore County alo	walnut size hai one, 25 to 35 tre	l over North es were dowr	Central and ned at the in	d Northeantersection	ast Maryland. T n of Harford an	Thunderstorm Wind (EG60) Some storms produced heavy rainfall, strong the winds downed trees and power lines. In d Hutschenreuter Roads in Perry Hall. At the Counties were without power.
Anne Arundel County (Bwi)Baltmor-Wshngtn	07 BWI c	1355EST control tower re	ported a funnel	cloud.	0	0		Funnel Cloud
Baltimore County Reisterstown	07 Lightn	1500EST ning struck a ch	nurch steeple.		0	0		Lightning
Anne Arundel County Linthicum Hgts	07 Lightn	1545EST ning struck a ch	urch.		0	0		Lightning
Baltimore County Countywide	07 Many	1435EST 2035EST roads closed ac	cross the county	due to high w	0 vaterespec	0 ially in R	25K teisterstown, W	Flash Flood oodlawn, and Ownings Mills.
Montgomery County Gaithersburg	07 Severa	1435EST al downed trees	in the Gaithersl	ourg area.	0	0	3K	Thunderstorm Wind (EG60)
Baltimore County Reisterstown	07 Penny	1441EST size hail report	ted by the EOC.		0	0		Hail(0.75)
Baltimore City (C) Woodberry	07 Stores	1445EST 2000EST and businesses	s along Jones Fa	ll were damas	0 ged due to fl	0 looding	1M	Flash Flood
Prince George'S County Bowie	07	1527EST			0	0	2K	Thunderstorm Wind (EG55)

Large tree limbs down on powerlines in several locations.





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	Estin Dar Property	nated nage Crops	Character of Storm
MARYLAND, Central									
Anne Arundel County Ft Meade	07 Severa	1545EST al trees and powe	rlines down cou	untywide.	0	0	2.5K		Thunderstorm Wind (EG57)
Baltimore City (C) Baltimore	07 Trees	1605EST down.			0	0	5K		Thunderstorm Wind (EG58)
Baltimore County Essex	07 Down	1609EST ed trees.			0	0	1K		Thunderstorm Wind (EG57)

Scattered showers and thunderstorms developed over the region on the 7th as a warm front lifted north into southern Pennsylvania. The thunderstorms across Northeast Maryland produced strong winds that downed trees and power lines, penny size hail, and flooding. Two to four inches of rain fell in Northeast Maryland with local amounts up to six inches. Dozens of water rescues were performed throughout the county, several motorists were trapped/stranded in stalled cars. A cyclist was rescued from a fence after he emerged his bike in the fast moving, deep waters

In the City of Baltimore, stores and businesses along the Jones Falls closed early to allow clients, shoppers and employees to get out before the waters started to rise. A portion of the historic Meadow Mill building in the Woodberry neighborhood was flooded, and nearly 30 cars in the parking lot were almost submerged. The Mount Washington neighborhood also witnessed some impressive flooding. The Meadow Hill Athletic Club reported a loss of 500,000 dollars in exercise equipment. A newly opened men clothing store reported damages around 400,000 dollars.

In Southern Baltimore County, a mechanic in Catonsville barely escaped injury when the roof of his Auto repair shop collapsed due to the weight of the water.

In north Anne Arundel County, lightning struck the historical Linthicum Heights United Methodist Church in Linthicum. Fire and water damaged a hand painted fresco on the ceiling of the church. Pieces of the building dated back to the 19th-century. Several other minor house fires were reported and attributed to lightning according to fire and rescue personnel, but no other major damage or injuries were cited.

Baltimore County					
White Marsh	12 1020EST Trees down along Route 40.	0	0	1.5K	Thunderstorm Wind (EG60)
Harford County Jarrettsville	12 1055EST Several trees downed by thunderstorm winds.	0	0	1K	Thunderstorm Wind (EG55)
Harford County South Portion	12 1116EST	0	0	900K	Flash Flood

A quasi-stationary boundary over the area provided a focus for shower and thunderstorm activity on the 12th. The thunderstorms produced very heavy rainfall and strong gusty winds. Baltimore and Harford Counties had downed trees and power lines. Portions of southern Harford County were drenched from the heavy down pours, especially Aberdeen and Harve de Grace. Several roads and streets were completely covered by high water. Route 40 between Aberdeen and Harve de Grace was closed for several hours. The Union Hotel in Port Deposit sustained significant flood damage. Over 20 homes were damaged, mostly by basement flooding. At least 32 people were rescued from stranded cars and flooded homes. Fifteen Amtrak passenger trains had delays due to water flowing over the tracks. Reports from the Harford EOC cited several feet of standing water in many areas. Some roads were completely washed out, causing the Governor to declare a limited State of Emergency.





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estimated Damage Property Crops	July 2004 Character of Storm
MARYLAND, Central								_
Frederick County Frederick	14 Penny s	1336EST size hail reported b	y emergency	y workers.	0	0		Hail(0.75)
Frederick County Walkersville	14 Tree do	1338EST own on house.			0	0	7K	Thunderstorm Wind (EG55)
Carroll County 1 N Union Bridge	14 Trees a	1400EST nd powerlines dow	'n.		0	0	2K	Thunderstorm Wind (EG60)
Harford County 4 SW Aberdeen	14 Quarter	1400EST r size hail reported	by trained sp	potter.	0	0		Hail(1.00)
Charles County Nanjemoy	14 Trees d	1455EST lown.			0	0	1.5K	Thunderstorm Wind (EG55)
Charles County 3 S Faulkner	14 Trees d	1510EST lown and windows	blown out o	f a structure.	0	0	2.5K	Thunderstorm Wind (EG55)
St. Mary'S County .5 NW California to 2.5 ESE California							5K outheast. The tornado eds were estimated at 8	•
St. Mary'S County (Nhk)Nas Patuxent Ri	14 Quarter	1605EST r size hail reported	by NWS em	iployee.	0	0		Hail(1.00)
St. Mary'S County (Nhk)Nas Patuxent Ri	14	1605EST			0	0		Thunderstorm Wind (MG64)
St. Mary'S County Hollywood	storms winds a east-son single e	were concentrated and penny to quart utheast. The tornac engine plane in Hol	over Northe er size hail. do uprooted, llywood. The	In St. Mary twisted, and plane was li	er Southern o's County, a d snapped so ifted and tos	Maryland an F1 torr everal me ssed upon	d. These storms produ- nado touched down ju dium and large trees.	Thunderstorm Wind (EG65) erstorms over Maryland. The stronger ced tornadoes, waterspouts, damaging st northwest of California and moved Strong thunderstorm winds moved a destroying one and causing significant 's County.
Harford County Bel Air	27 28 Several	1745EST 0600EST I roads closed along	g Highway 7	and 136.	0	0		Flash Flood
St. Mary'S County Great Mills	27 28 Several	2000EST 0200EST roads closed around	nd the count	y.	0	0		Flash Flood





Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		ber of sons Injured	nated nage Crops	Character of Storm	July 2004
MARYLAND, Central									
Baltimore City (C) North Portion	27 28 Streets	2048EST 0900EST s flooded with wa	ter covering ro	oadways	0	0		Flash Flood	
Prince George'S County Northwest Portion	27 28	2048EST 0700EST s and streets flood	C	•	0	0		Flash Flood	
Montgomery County Southeast Portion	27 28	2127EST 0900EST			0	0		Flash Flood	

A very slow moving frontal system came through the region on the 27th. Moisture ahead of the front was plentiful. Two to five inches of rain produced wide spread flash flooding in Montgomery and Prince Georges Counties.

In Montgomery County the areas hardest hit were Chevy Chase, Bethesda, Silver Spring and Colesville. Several people were trapped in cars prompting numerous water rescues. In Silver Spring, on Sligo Creek Parkway near New Hampshire Avenue, several vehicles were halfway submerged by water. Cars were also stranded in Rock Creek Park and in low lying areas near the Potomac River. Four feet of water flooded the automatic train control room in Silver Spring. The Carol Avenue Bridge was damaged by flooding and the road was closed. Several structures were also struck by lightning

In Prince Georges County the communities hardest hit were Delphi, Beltsville and Laurel. Drivers were rescued from flooded vehicles at New Hampshire Avenue and Piney Branch Road. Five families were evacuated from an apartment in Laurel because water flooded the building. Flights to all three of the Washington region's major airports were delayed or cancelled.

VIRGINIA, North

Angusta County

01 1601EST Nickel size hail reported by spotter network.	0	0		Hail(0.88)
01 1607EST Quarter size hail reported by trained spotter.	0	0		Hail(1.00)
01 1650FST	0	0	ΛK	Thunderstorm Wind (EG55)
	Nickel size hail reported by spotter network. 01 1607EST	Nickel size hail reported by spotter network. 01 1607EST 0 Quarter size hail reported by trained spotter.	Nickel size hail reported by spotter network. 01 1607EST 0 0 Quarter size hail reported by trained spotter.	Nickel size hail reported by spotter network. 01 1607EST 0 0 Quarter size hail reported by trained spotter.

A cluster of thunderstorms developed over the Central Foothills and the Central Shenandoah Valley in Virginia on July 1st. The thunderstorms produced hail and strong winds. The nickel and quarter size hail damaged business signs, and the strong winds toppled scores of trees and downed power lines. 2800 customers in the Cities of Staunton and Waynesboro, and Augusta County were without power during the height of the storms. According to local newspapers, motorists were forced to seek shelter under an over-pass due to the poor visibility as the rain come down in sheets. Water even covered portions of Lyndhurst Road in Waynesboro during the evening commute. The heavy rainfall was blamed for several minor car accidents that occurred during the storm

Albemarle County

Esmont 04 1810EST 0 0 1K Thunderstorm Wind (EG55)

Trees downed by thunderstorm winds.





		Time Local/	Path Length	Path Width	Number Perse		Estimated Damage	July 2004
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
VIRGINIA, North								
Orange County								
Orange	05 Large	1430EST trees felled by the	understorm wi	nds.	0	0	2K	Thunderstorm Wind (EG55)
Loudoun County								
Dulles Intl Arpt		1440EST ers and thundersto entral Foothills an	_		0 n approachir	0 ng cold fro	ont on the 5th . Some	Thunderstorm Wind (MG60) e the storms produced strong winds over
Charlottesville (C) Charlottesville	06 Trees	1540EST down on Jefferso	n Avenue.		0	0	2K	Thunderstorm Wind (EG55)
Fauquier County								
Warrenton	07 Down	1335EST ed trees blocking	roadways.		0	0	1K	Thunderstorm Wind (EG60)
Fauquier County								
5 N Warrenton	07 Trees	1340EST and powerlines de	own.		0	0	1K	Thunderstorm Wind (EG55)
								lifted north into southern Pennsylvania. wer lines in the Warrenton area
Culpeper County								
3 WSW Culpeper	12 Trees	1628EST down over Moun	tain Run Lake	Road	0	0	2K	Thunderstorm Wind (EG60)
Albemarle County								
4 NW Charlottesville Ar		1640EST down.			0	0	2.5K	Thunderstorm Wind (EG60)
Albemarle County								
13 S Charlottesville Arpt	12	1855EST 2155EST			0	0		Flash Flood
								irginia and the Central Foothills on July rle and Culpeper Counties.
Page County								
Luray	14 Trees	1151EST down.			0	0	2K	Thunderstorm Wind (EG57)
Rappahannock County								
Sperryville	14 Penny	1210EST size hail reported	d by trained sp	otter.	0	0		Hail(0.75)
Fauquier County								
Hume	14 Large	1230EST tree down in Hur	ne.		0	0	0.50K	Thunderstorm Wind (EG55)
Loudoun County								
Middleburg	14 Trees	1315EST down.			0	0	2K	Thunderstorm Wind (EG55)
Fauquier County	1.1	12255						W W(1.00)
Bealeton	14 Quart	1325EST er size hail reporte	ed by trained s	potter.	0	0		Hail(1.00)
Fairfax (C)		-						
Fairfax	14 Nume	1330EST rous trees down.			0	0	3K	Thunderstorm Wind (EG60)





	Time Path Path Local/ Length Width		Path Width	Numl Per	oer of sons	Estimate Damag	e	July 2004	
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property (Crops Character of Storm	
VIRGINIA, North									
Fauquier County Warrenton	14	1345EST			0	0		Hail(1.75)	
	Golfba	all size hail repor	ted by amateur	r radio opera	tor.				
Falls Church (C) Falls Church	14 Trees	1350EST down.			0	0	2K	Thunderstorm `	Wind (EG55)
Arlington County Arlington	14 Down	1355EST ed trees.			0	0	3K	Thunderstorm `	Wind (EG60)
Fauquier County Opal	14 Tree b	1405EST lown down on R	oute 651.		0	0	0.50K	Thunderstorm ⁷	Wind (EG60)
Stafford County Garrisonville	14 Trees	1408EST down.			0	0	2K	Thunderstorm '	Wind (EG57)
Falls Church (C) Falls Church	14 Trees	1412EST down near Sever	Corners.		0	0	1K	Thunderstorm ⁷	Wind (EG55)
Stafford County Stafford	14 Trees	1425EST and powerlines d	lown.		0	0	2K	Thunderstorm	Wind (EG57)
King George County Passapatanzy	14 Trees	1540EST down in several l	locations.		0	0	2.5K	Thunderstorm	Wind (EG55)
Spotsylvania County Massaponax	strong		oncentrated fro	om just east o	of the Blue			Thunderstorm on thunderstorms over North industrial over North industrial over the storms produced the storms produced the storms of the storms over the storm	hern Virginia. The
Frederick County 2.5 SE White Hall	18 W	0930EST 1130EST			0	0		Flash Flood	
Fairfax County Northeast Portion	27 28	2200EST 0800EST			0	0		Flash Flood	
	inches	of rain fell, and	this produced	l wide spread	d flash floo	ding in Fa	irfax County.	ahead of the front was ple In Fairfax the areas hardest of Interstate 66 and Route 7	hit were McLean,

of water and caused traffic to back up for miles. The flooding was so problematic that flights to all three of the Washington region's major airports were delayed or cancelled.