



<http://www.jhuapl.edu/weather/education/ACONdata.html>

# ATLANTIC COAST OBSERVER NETWORK, MD / DE / DC CHAPTER WITH DATA FROM NEARBY AREAS

## COOL TEMPERATURES, BELOW NORMAL PRECIPITATION & 4 TORNADOES

Below normal temperatures and humidity made for a nice July. The first three weeks were highlighted by comfortable humidity and refreshing cool minimum temperatures. The final week saw typical humidity along with warm temperatures. Precipitation was below normal with most falling during the second half of the month. Four tornadoes occurred at the end of the month. An EF-1 occurred on the 29th near Old Town, Allegany County, and two near Ijamsville, Frederick County on the 31st. Also an EF-0 touched down near Gamber, Carroll county also on the 31st. For details of the Gamber tornado see **Herb Close's** of **Manchester 1 S** report.

The month began with seasonal temperatures and afternoon and evening scattered thundershowers. Amounts were generally less than a third of an inch. **John Zyla** of **Ridge** measured 1.35" and **Bobby Miller** of **Millers 4 NE** 1.26" from late evening thunderstorms. The Fourth Of July holiday was nice with temperatures generally below 85 along with low humidity.

Little or no rain fell from the 3rd to the 16th. Temperatures averaged below normal. Minimum temperatures fell into the 50's at many stations. There were two days during this stretch when temperatures approached or surpassed 90°, the 12th and 16th. Minimum temperatures failed to drop below 70 at some warmer locations on the 12th and / or 16th.

The 16th was the hottest day of the month. **Jug Bay Wetlands** at **Lothian** and **Joe Manfre** of **Baltimore 2 SE** reported 96° and **Dan Hanson** of **Pasadena 2N** and **Joe Terry** of **Forest Glen** reported 95°. At a majority of ACON stations their monthly maximum occurred on the 16th and their minimum temperatures a day or two earlier.

Thundershowers returned on the 17th & 20th. Most amounts were fairly light. The heaviest amounts fell in Northern Delaware where **Gary Gallaher** of **Bear 2 SW** measured 1.39" on the 17th.

**Floyd Abell** of **Hollywood** reported 1.26" on the 20th.

Showers and thunderstorms returned on the 22nd and 23rd. **Ralph Hartsock** of **Westminster 4 SSE** reported 1.76" on the 22nd. **Joe Manfre** of **Baltimore 2 SE** reported 1.02" on the 22nd and 1.19" on the 23rd. The 23rd was the wettest day of the month. **Bobby Miller** of **Millers 4 NE** reported 1.29" fell after obs. time on the 23rd in 1 hour. The heaviest daily amount of 2.75" was measured by **Richard Holden** of **Clarksburg 2 NE**. **Ralph Hartsock** of **Westminster 4 SSE** reported 2.29" along with marble size hail on the 24th.

An EF-1 tornado occurred in Old Town, Allegany County on the afternoon of the 29th. Over an inch of rain was observed in Washington County by **Mac Hutto** of **Smithsburg 1.5 SW**, 1.53", **Jim Vaughn** of **Smithsburg 2 NE** 1.44", and

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Lothian	96
Baltimore 2 SE	96
Pasadena 2 N	95
Forest Glen	95

##### MINIMUM TEMPERATURE

Davis 3 SE WV	42
Eagle Rock	44
Smithsburg 1.5 SW	47

##### WARMEST AVG. TEMP.

Baltimore 2 SE	78.1
Forest Glen	75.7
Oxon Hill	75.7

##### COLDEST AVG. TEMP.

Davis 3 SE WV	60.9
Eagle Rock	64.6
Frostburg	65.0

##### MAXIMUM PRECIPITATION

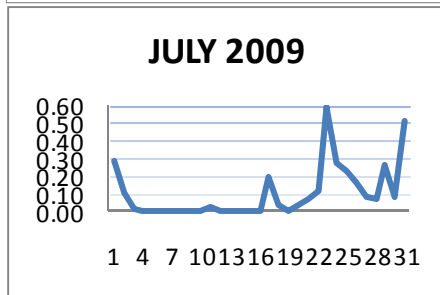
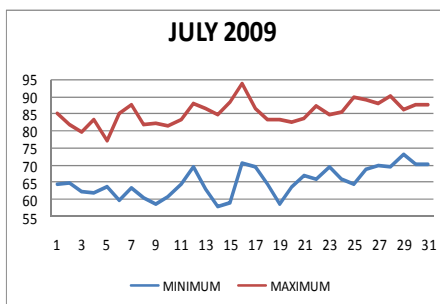
Westminster 4 SSE	7.36
Baltimore 2 SE	5.28
Ridge	5.25

##### MINIMUM PRECIPITATION

Owings Mills	1.31
Forest Glen	1.53
Laurel JHU/APL	1.54

**Greg Keefer** of **Hagerstown 1E**, 1.21".

Three more tornadoes touched down on the 31st, two in Frederick County near Ijamsville and one near Gamber in Carroll County. **Ralph Hartsock** of **Westminster 4 SSE** reported the Gamber tornado was two miles from his home. The heaviest rains were reported by **Kevin Shaw** of **Gaithersburg 2 WNW**, 1.33" and **Greg Keefer** of **Hagerstown 1 E**, 1.31".



### ACON MD/DE Network

Daily average temperatures and precipitation based on observation times, not calendar days.

# OBSERVER COMMENTS FOR JULY 2009

## **Gary Gallaher of Bear 2 SW, DE**

Dry, cool month. 75% of the months rain fell on the 17th & 31st. Average minimum temperature the coolest on record.

17th - 1.39" of rain broke the old daily record of 0.44 set 1995

## **Nate Mullins of LaVale**

1st - Strong thunderstorm. Winds gusted over 40 MPH.

## **Jeff Stoudt of Laurel 2 E**

31st - Few brief +TSRA early to mid afternoon.

## **Marty Sharrow of Owings Mills**

4th - Partly sunny, breezy, and pleasant.

14th - Sunshine & magnificent!

22nd - AM fog, humid, clouds and sun, afternoon showers.

29th - Lots of clouds & very humid.

## **Joe Manfre of Baltimore 2SE**

12th - Cloudy early AM, brief shower, then P.C. hot, low humidity.

22nd - Rain showers in afternoon 1.02"

23rd - Showers and thundershowers 1.19"

## **Ralph Hartsock of Westminster 4 SSE**

11th - Partly cloudy, humid.

23rd - Much needed rains 1.86"

24th - More PM storms 2.29". Marble size hail.

25th - Severe storm late 51 MPH gust.

31st - Tornado 2 miles east 36 MPH gust

## **Bobby Miller of Millers 4 NE**

1st - Heavy showers with thunder in evening.

13th - Sunny, nice, mostly clear, scattered PM Cu, dry.

31st - Crops in good condition.

## **Ray Muller of Westminster City**

3rd - Scattered / broken cumulus & stratocumulus clouds. Gusty NW winds to 25 MPH.

## **Eric Glass of Emmitsburg 2 SE**

23rd - Haze, cloudy, humid.

## **Rebecca Harvey of Eagle Rock**

18th, 21st, 22nd, 23rd, 26th - Thunder.

## **Rich Giannola of JHU/APL**

Barometric pressure extremes: 30.32" 10th, 29.66" 1st.

25th - Early evening +TSRA.

## **Rob Cohen of Potomac 4 N**

Coolest July since 2001, coolest on record is 1979

10th, 14th, 19th - Record minimum temperatures.

31st - Gusty squall 2:30 - 3:00, no thunder

## **Rich Giannola of Olney 1 S**

25th - +TSRA began at 7 PM. 3 1/2" diameter walnut tree branch down in yard. Neighbor lost Bradford Pear tree. Double rainbow at 7:40 PM.

## **Richard Holden of Clarksburg 2 ENE**

23rd - Heavy rain, 2.75". AM minimum 67

## **Stan Rossen of Glenmont 1 NNE**

16th - 94° Hottest since April 26 & 27.

27th - 70° First 70° minimum of 2009.

## **Kevin Shaw of Gaithersburg 2 WNW**

July was a bit cooler and drier than normal. Most of the months precipitation fell during the last 9 days.

8th - Sunny, dry, cooler - nice for July!

## **Joe Terry of Forest Glen**

5th - Unusually cool. 71° at 4 PM without any rain, and low humidity too.

14th - 45° dew point (27% relative humidity)

23rd - First measurable rain in 22 days. Beautiful rainbow SE against a CB background at 1945 with a very noticeable wide purple outer band, also a nice patch of mammatus to the west at the same time.

## **Floyd Abell of Hollywood**

20th - Heavy late day showers, weak thunder.

26th - Thunderstorm south of station.

## **John Zyla of Ridge**

Coolest July that I remember in my lifetime. The humidity was almost non-existent for most of the month.

## **Max Hutto of Smithsburg 1.5 SW**

2nd - AM light fog, PM shower.

31st - AM shower and PM heavy downpours, breezy.

## **Greg Keefer of Hagerstown 1 E**

4th - Fine day for the 4th. Warm, breezy - low humidity.

22nd - Small but rather intense t'shower just after 7 PM.

31st - Very heavy downpours between 12:30PM - 2:30 PM, some thunder, 1.31" of rain fell.

## **Jim Vaughn of Smithsburg 2 NE**

Coolest July on record. Previous coldest July was 72.1° set in 1976.

**A report with pictures on the July 31st Gamber Tornado by Herb Close of Manchester 1S is on pages 3 - 8. (More pictures taken by Herb are available if wanted)**

**The NWS Public Information Statement on the Gamber Tornado is on page 9.**

**The NWS Public Information Statement on the two Ijamsville Tornadoes is on pages 10 & 11**

**The NWS Public Information Statement on the OldTown Tornado is on pages 12 & 13**

**Map of the Ijamsville and Gamber tornadoes paths is on page 14**

Compiled by Gary Gallaher, MD/DE ACON Data Collector and Report Writer, from data received from dedicated observers. Without your observations each month this report will not be possible.

# **Tornado hits the Gamber & Finksburg area of Maryland.**

**By Herbert Close, Jr.**

The National Weather Service confirmed that an EF0, winds 75mph to 85mph tornado touched down near Gamber and Finksburg, in Carroll County, Maryland on Friday afternoon, July 31, 2009. The tornado struck around 2:40pm about 2 miles west of Finksburg and about 2 miles NNE of Gamber.

About 15 homes had some damage according to the Carroll County Times and the Gamber fire company spokesman Bruce Bouch. Gamber, Reese, and Sykesville fire companies responded to the tornado damage. Preliminary Local Storm Report by the National Weather Service Baltimore MD/Washington DC in Sterling, Virginia indicated an EF0 Tornado at Gamber, Maryland in Carroll County. Tornado path length approximately 1 mile and path width approximately 100 yards. There was 1 injury.

One woman had a minor injury when a garage door blew in on her according to the Carroll County Times.

Three homes were damaged by the EF0 tornado on Constellation Way just off Deer Park Road, which runs between Rt. 140, and Rt. 32. Sections of the house roofs were blown off leaving homes drenched with water and insulation inside from high winds and very heavy downpours. One house was missing half of its attic roof. The front yard was littered with sections of house roof and tree limbs. I saw scattered tree limbs down throughout the area along Rt. 91 between Rt. 140 and Deer Park road and along Deer Park road. The heaviest tree damage by far was along Kays Mill Rd which is a back county road that runs from Rt. 140 to Deer Park road and also connects with one end of Constellation Way. I drove by the area on Sunday evening between 5:30pm and 6:00pm and saw numerous trees down, uprooted, split, splintered, and snapped like toothpicks. Some of these trees were large broadleaf and evergreen trees. There were also many trees that were not damaged by the wind. The down trees were scattered but in the same area or neighborhood. There was also some damaged trees just inside some of the woods in the area. The main area of tree damage was just to the East and ENE of Constellation Way along Kays Mill Rd.

From the Baltimore Sun, power outages peaked at about 5pm with about 42,000 customers out of service according to BGE spokeswoman Linda Fox. Power was knocked out by the storms in parts of Anne Arundel, Baltimore, Carroll, Harford and Howard counties.

On that Friday afternoon while I was at work in Hunt Valley, there were two rain events. The first wave of dark clouds and heavy downpours occurred around 2:30pm and lasted 10-15 minutes. Then the clouds broke and the sun even came out briefly. However, my NOAA weather radio indicated another bigger and more severe wave of rain and wind was yet to come soon. By around 2:50pm the sky began to turn dark again to the west. This time the clouds were much darker and more ominous. It started to get dark outside once the clouds moved overhead. Then in the distance I could see the heavy rain coming down out of the clouds greatly reducing visibility to Oregon Ridge to the west and southwest. The heavy rain in the distance reminded me of wintertime snow squalls and how they quickly reduce visibility. Suddenly the heavy downpours came along with some wind. Some thunder and lightening occurred also along with a few brown outs. The power stayed on though after the storm. Hunt Valley was not hit as bad as some of the other locations in the region. After I left work in Hunt Valley at 4:15pm, Maryland, I traveled to my parents house at Brown Rd 2 miles northwest of Finksburg about a quarter mile off of Rt. 140. As I left the Rt. 140 and Rt. 91 intersection I noticed two helicopters hovering over the same spot about 2 miles to the west. I knew something was happening but I wasn't sure what. I started to drive back Brown Road I could see that the road was blocked off with orange cones and some power lines were down across the road just before my parents house. There were also several large tree limbs in the front yard of my parents next door neighbors house. It was also in front of the neighbors house, that the power lines were down. I parked my car off the side of the road and walked to my parents house. Fortunately I didn't see any storm damage at my parents house and they were both ok. They also had power, so the lines that were down did not affect them. Brown Road was closed to traffic for the rest of the evening and night. The lines were fixed the next day. My parents reported seeing very heavy sheets of rain and high winds. Much of their corn in the garden got knocked down from the storm. My parents had 1.12" rainfall for the day, 2.12" rainfall for the week and 5.64" rainfall for the month. Most of that rain fell in the last two weeks. The sky there was mostly cloudy to cloudy with occasional spits of drizzle and rain when I was there around 5pm.

**Gamber Tornado report continued from page 3**

However, when I was driving from Hunt Valley to Finksburg at the horse farms on Tufton Avenue and Worthington Avenue, the sun came out and I saw the most beautiful patches of blue sky and cloud formations just after this storm passed. There was no haze, just perfect visibility and deep blue sky with scattered high clouds and a layer of scattered low cumulus clouds to the west. I can remember back on a Friday afternoon after leaving work in Essex, Maryland and traveling on the Baltimore Beltway to visit my parents at Finksburg on July 19, 1996. I could here on my weather radio that a tornado had damaged some homes in the Finksburg and Gamber area. The storm had just passed the Pikesville area and I could look up and see a sudden clearing of the clouds. The sun came out and I could see the most beautiful deep blue sky with scattered clouds. Not a bit of haze. There was perfect visibility. On that day of Friday afternoon, July 19, 1996, an F3 tornado struck near Gamber and Finksburg on Rt. 32 by Bird Hill Estates just a couple miles west of the EF0 tornado of 2009. I feel almost like history repeated itself. Lets all hope this don't repeat itself again.

**The following pictures were taken by Herb Close**

One of three homes badly damaged by an EF0 tornado near Finksburg, Md. 8R



Photo by Herb Close, Jr. Aug. 2, 2009.  
Constellation Way, Finksburg, Md.



Photo by Herb Close, Jr. Aug. 2, 2009.

Photo by Herb Close, Jr.



Photo of tornado damage on WJZ TV CH13

Gamber Tornado report continued from page 4

One of three homes badly damaged by an EFO tornado near Finksburg, Md. 8R



Photo by Herb Close, Jr. Aug. 2, 2009.  
Constellation Way, Finksburg, Md.



Photo by Herb Close, Jr.



Photo by Herb Close, Jr. Aug. 2, 2009.



Photo of tornado damage on WJZ TV CH13

**Gamber Tornado report continued from page 5**

Storm damage on Brown Rd. two miles NW of Finksburg, Md. Power lines down.



All photos taken by Herb Close, Jr. on Friday evening July 31, 2009.



Tree limbs down at my parents next door neighbors house on July 31, 2009.

Carroll Co. Times 8-1-09

Several homes were damaged in the 2900 block of Constellation Way in Gamber Friday afternoon as a powerful storm moved through the area shortly before 3 p.m.



# Storm does damage



DYLAN SLAGLE/STAFF PHOTOS

Scott Tehansky talks to Clay Myers and Bruce Bouch of the Gamber fire company in the front yard of his home in the 2900 block of Constellation Way in Gamber Friday afternoon after a powerful storm. Some of the roof of the house across the street can be seen in Tehansky's yard.

## Winds tear holes in roofs, blow out windows

By RYAN MARSHALL  
TIMES STAFF WRITER

GAMBER — Kevin Tehansky exhaled deeply as he looked at the damage a severe thunderstorm Friday did to his home.

The storm ripped holes in the roofs of several houses, including the one in the 2900 block of Constellation Way where Tehansky, 21, said he lives with his mother and brother, and damaged several others.

About 15 homes sustained some sort of damage, said Bruce Bouch, a spokesman for the Gamber fire company. The storm left a narrow path of damage approximately one mile long, Bouch said. Along with Gamber, units from Reese and Sykesville fire companies also responded, he said.

One woman suffered a minor injury when the garage door blew in on her,



**You look one house to the right, one house to the left, nothing.** — Kevin Tehansky, Constellation Way resident

Please see **Storm, A8**

## Gamber Tornado report continued from page 7

Page A8, Saturday, August 1, 2009

LOCAL/STATE



DYLAN SLAGLE/STAFF PHOTOS

Scott Tehansky takes pictures of his father's car after his home in Gamber was damaged by a powerful storm Friday afternoon.

### **Storm**

From Page A1

but she was treated at the scene and released, Bouch said.

While he said the storm caused tornadolike damage, Bouch said whether or not the incident was a tornado would have to be confirmed by the National Weather Service.

National Weather Service technician Trina Heiser said a survey team would come out to Carroll today and assess the damage.

"There was damage, but we can't confirm that there was a tornado," Heiser said.

Carroll County Emergency Management Planner Chrissy Calp said the county didn't open any shelters during the event.

Tehansky said he was in his room when he suddenly heard a sound like a train hitting the side of the house.

The storm ripped a hole in the roof of the home, blew out several windows and moved the home's heating and air conditioning units about five feet, among other damage, Tehansky said.

The storm left one wall of the garage bowed at the bottom and a pile of pink insulation lying in the garage.



Several homes were damaged in the 2900 block of Constellation Way in Gamber Friday as a powerful storm moved through the area shortly before 3 p.m.

**While he said the storm caused tornadolike damage, Bouch said whether or not the incident was a tornado would have to be confirmed by the National Weather Service.**

## **Gamber Tornado**

### **PUBLIC INFORMATION STATEMENT** **NATIONAL WEATHER SERVICE BALTIMORE MD/WASHINGTON DC** **347 PM EDT SAT AUG 1 2009**

...EF0 TORNADO CONFIRMED IN GAMBER MARYLAND ON JULY 31 2009...

LOCATION...GAMBER IN CARROLL COUNTY MARYLAND  
DATE...JULY 31 2009  
ESTIMATED TIME...240 PM EDT TO 243 PM EDT  
ESTIMATED MAXIMUM WIND SPEED...85 MPH  
PATH WIDTH...100 YARDS  
PATH LENGTH...INTERMITTENT DAMAGE FOR APPROXIMATELY 1 MILE  
BEGINNING LAT/LONG...39.492N/76.933W  
ENDING LAT/LONG...39.494N/76.916W  
FATALITIES...NONE  
INJURIES...1

\* THE INFORMATION IN THIS STATEMENT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FINAL REVIEW OF THE EVENT AND PUBLICATION IN NWS STORM DATA.

...SUMMARY...

THE BALTIMORE/WASHINGTON NATIONAL WEATHER SERVICE FORECAST OFFICE LOCATED IN STERLING VIRGINIA DISPATCHED A STORM SURVEY TEAM TO CARROLL COUNTY MARYLAND TO EVALUATE WIND DAMAGE FROM A STORM ON JULY 31 2009 IN THE GAMBER AREA. THE SURVEY WAS CONDUCTED IN COORDINATION WITH THE CARROLL COUNTY OFFICE OF PUBLIC SAFETY.

THE FIRST EVIDENCE OF DAMAGE WAS A LARGE TREE LIMB DOWN WEST OF DEER PARK ROAD. THE NEXT SIGN OF DAMAGE WAS ACROSS DEER PARK ROAD...WITH TWO PINE TREES DOWNED ON THE WESTERNMOST PORTION OF CONSTELLATION WAY. THE TORNADO THEN CONTINUED EAST-NORTHEAST...WHERE TWO RESIDENCES SUFFERED SIGNIFICANT LOSS OF ROOF COVERING MATERIAL ALONG WITH LESS THAN 20% ROOF STRUCTURE DAMAGE. SEVERAL PINE TREES WERE UPROOTED AT SEVERAL LOCATIONS...ALONG WITH NUMEROUS LARGE TREE LIMBS BROKEN. ONE OF THE RESIDENCES HAD ROOF INSULATION MATERIAL ON THE TWO EAST-FACING SIDES OF THE HOME...ALONG WITH LEAF SPATTER ON THE TWO WEST-FACING SIDES. FURTHER TO THE NORTHEAST ALONG KAYS MILL ROAD...A PORTION OF A CORN FIELD WAS BLOWN OVER...ALONG WITH ADDITIONAL PINE TREES BEING UPROOTED AT THE INTERSECTION OF KAYS MILL AND OLD KAYS MILL ROAD. NO FURTHER DAMAGE WAS NOTED EAST OF THIS AREA.

BASED ON THE ENHANCED FUJITA SCALE...THE TREE DAMAGE AND STRUCTURAL DAMAGE ARE CONSISTENT WITH ESTIMATED WINDS RANGING FROM 75 TO 85 MPH...RESULTING IN AN EF0 RATING. THE PATH LENGTH WAS APPROXIMATELY 1 MILE...WITH A PATH WIDTH OF APPROXIMATELY 100 YARDS.

THE NATIONAL WEATHER SERVICE THANKS THE CARROLL COUNTY OFFICE OF PUBLIC SAFETY FOR THEIR COOPERATION AND PARTICIPATION IN THE STORM SURVEY.

## Ijamsville Tornadoes

**PUBLIC INFORMATION STATEMENT**  
**NATIONAL WEATHER SERVICE BALTIMORE MD/WASHINGTON DC**  
**546 PM EDT SAT AUG 1 2009**

...PUBLIC INFORMATION STATEMENT...

...EF1 TORNADES CONFIRMED NEAR IJAMSVILLE MARYLAND ON JULY 31 2009...

LOCATION...TABLER ROAD TO MUSSETTER ROAD IN FREDERICK COUNTY MD  
DATE...JULY 31 2009  
ESTIMATED TIME...206 PM EDT TO 213 PM EDT  
ESTIMATED MAXIMUM WIND SPEED...90-100 MPH  
MAXIMUM PATH WIDTH...125 YARDS  
PATH LENGTH...2.5 MILES  
BEGINNING LAT/LONG...39.3514N/77.3584  
ENDING LAT/LONG...39.3708N/77.3168W  
FATALITIES...NONE  
INJURIES...NONE

LOCATION...BALL ROAD TO WHISKEY CREEK GOLF COURSE IN FREDERICK COUNTY  
DATE...JULY 31 2009  
ESTIMATED TIME...208 PM EDT TO 214 PM EDT  
ESTIMATED MAXIMUM WIND SPEED...100-110 MPH  
MAXIMUM PATH WIDTH...350 YARDS  
PATH LENGTH...2.5 MILES  
BEGINNING LAT/LONG...39.3531N/77.3352  
ENDING LAT/LONG...39.3688N/77.2962W  
FATALITIES...NONE  
INJURIES...NONE

\* THE INFORMATION IN THIS STATEMENT IS PRELIMINARY AND SUBJECT TO  
CHANGE PENDING FINAL REVIEW OF THE EVENT AND PUBLICATION IN NWS  
STORM DATA

...SUMMARY...

THE BALTIMORE/WASHINGTON NATIONAL WEATHER SERVICE FORECAST OFFICE  
IN STERLING VIRGINIA DISPATCHED A STORM SURVEY TEAM TO FREDERICK  
COUNTY MARYLAND TO EVALUATE WIND DAMAGE FROM A STORM ON 31 JULY  
2009 IN THE IJAMSVILLE AREA. THE SURVEY WAS CONDUCTED IN  
COORDINATION WITH OFFICIALS FROM FREDERICK COUNTY AND MARYLAND  
EMERGENCY MANAGEMENT AGENCY.

SPORADIC TREE DAMAGE WAS FIRST NOTED ALONG TABLER ROAD...WHERE  
LARGE BRANCHES WERE BROKEN FROM HARDWOOD TREES. TREE DAMAGE  
CONTINUED EAST-NORTHEAST ACROSS OPEN LAND TOWARD BALL ROAD.

THE CIRCULATION THEN IMPACTED SEVERAL RESIDENCES ALONG BALL ROAD  
BETWEEN TABLER ROAD AND IJAMSVILLE ROAD. ONE RESIDENCE SUFFERED  
ROOF STRUCTURE DAMAGE AND BROKEN WINDOWS. IN THIS LOCATION...THE  
ROOF WAS UPLIFTED AND SHIFTED NORTHWARD...AND A SOUTH-FACING WALL  
WAS BLOWN INWARD BUT RETAINED ITS STRUCTURE. LIMBS FROM SEVERAL  
LARGE TREES WERE BROKEN. AN AIR CONDITIONER UNIT ON THE NORTH SIDE  
OF THE HOME WAS LIFTED AND TRANSPORTED 15 FEET TO THE EAST.

A SECOND RESIDENCE ALSO EXPERIENCED UPLIFT OF ROOFING. HERE...  
SEVERAL METAL-SIDED BARNs WERE DESTROYED...WITH DEBRIS STREWN  
DOWNWIND THROUGH NEIGHBORING FIELDS. SHINGLES FROM THE DAMAGED  
ROOF OF THE ABOVE-MENTIONED HOME WERE FOUND ON THE PROPERTY OF  
THIS RESIDENCE.

## **NWS Public Information Statement on the Ijamsville Tornadoes continued from page 10**

THE CIRCULATION THEN MOVED NORTHEASTERLY ALONG MUSSETTER ROAD... WHERE MANY TREES WERE SNAPPED...A LARGE HOME SUFFERED ROOF AND STRUCTURAL DAMAGE AND A BARN WAS DESTROYED. THE TORNADO APPEARED TO BE AT ITS STRONGEST AT THIS TIME...BUT WEAKENED SHORTLY AFTER.

A SECOND TORNADO DEVELOPED ALONG BALL ROAD TO THE EAST OF THE PATH OF THE FIRST TORNADO. THE INITIALLY NARROW CIRCULATION PASSED THROUGH A NORTH-SOUTH LINE OF TREES AND SNAPPED FOUR OF THE TREES. THE CIRCULATION MOVED EAST-NORTHEAST ACROSS IJAMSVILLE ROAD AND PRICE DISTILLERY ROAD...WHERE SEVERAL TREES WERE SNAPPED OR UPROOTED AND MINOR STRUCTURE DAMAGE WAS REPORTED.

THE TORNADO THEN WIDENED CONSIDERABLY AS IT MOVED INTO THE WHISKEY CREEK GOLF COURSE VICINITY. ALONG WHISKEY ROAD AND WHISKEY COURT... PRIMARILY CONSIDERABLE TREE DAMAGE WAS FOUND. SEVERAL HUNDRED HARDWOOD AND SOFTWOOD TREES WERE SNAPPED OR UPROOTED...MANY FALLING ON HOMES. LAWN AND PATIO FURNITURE...INCLUDING A LARGE GRILL...WERE RELOCATED BY SUBSTANTIAL DISTANCES. ONE HOME BEARING SPECIALTY SHINGLES DESIGNED TO WITHSTAND WINDS UP TO 100 MPH SUFFERED SOME DISLODGING OF ITS SHINGLES. A CLUBHOUSE ON THE GOLF COURSE ALSO LOST MANY SHINGLES FROM ITS ROOF.

SIMILAR TREE DAMAGE CONTINUED ACROSS THE GOLF COURSE. THE TORNADO DISSIPATED AFTER MOVING THROUGH THE GOLF COURSE.

BASED ON THE ENHANCED FUJITA SCALE...MUCH OF THE INITIAL DAMAGE FROM THE FIRST TORNADO WAS EF0 IN INTENSITY. THE TORNADO STRENGTHENED TO EF1 INTENSITY AS IT IMPACTED THE HOMES ALONG BALL ROAD...WHERE WINDS OF 90-100 MPH APPEAR LIKELY. THE DAMAGE ALONG MUSSETTER ROAD ALSO IS CONSISTENT WITH EF1 WINDS. MAXIMUM PATH WIDTH OF THE TORNADO WAS 125 YARDS.

INITIAL DAMAGE ALONG THE PATH OF THE SECOND TORNADO WAS CONSISTENT WITH EF0 WINDS OF 70-80 MPH. THIS CIRCULATION INTENSIFIED CONSIDERABLY AS IT MOVED INTO THE AREA OF THE WHISKEY CREEK GOLF COURSE. WIDESPREAD EF1 DAMAGE /WITH WINDS OF 100-110 MPH/ WAS APPARENT BY THE QUANTITY OF SNAPPED AND UPROOTED TREES. MAXIMUM PATH WIDTH OF 350 YARDS OCCURRED TOWARD THE END OF THE TORNADO PATH.

THE NATIONAL WEATHER SERVICE THANKS FREDERICK COUNTY AND MARYLAND EMERGENCY MANAGEMENT AGENCY OFFICIALS FOR THEIR COOPERATION AND PARTICIPATION IN THE STORM SURVEY.

## NWS Public Information Statement on the Oldtown Tornado



# National Oceanic and Atmospheric Administration's National Weather Service

## Public Information Statement

Issued by NWS Sterling, VA

Current Version | Previous Version | Text Only | Print | Product List | Glossary On  
Versions: 1 2 3 4 5 6 7 8 9 10 11

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NOUS41 KLWX 311011  
PNLWX  
DCZ001-MDZ003>007-009>011-013-014-016>018-501-502-VAZ021-025>031-  
036>042-050>057-WVZ050>055-501>504-312200-

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE BALTIMORE MD/WASHINGTON DC  
610 AM EDT FRI JUL 31 2009

...TORNADO CONFIRMED NEAR OLDTOWN MARYLAND ON JULY 29 2009...

LOCATION...OLDTOWN IN ALLEGANY COUNTY MARYLAND  
DATE...JULY 29 2009  
ESTIMATED TIME...246 PM EDT TO 300 PM EDT  
ESTIMATED MAXIMUM WIND SPEED...100 MPH  
PATH WIDTH...100 YARDS  
PATH LENGTH...INTERMITTENT DAMAGE FOR APPROXIMATELY 5 MILES  
BEGINNING LAT/LONG...39.544N/78.629W  
ENDING LAT/LONG...39.584N/78.544W  
FATALITIES...NONE  
INJURIES...NONE DIRECT

\* THE INFORMATION IN THIS STATEMENT IS PRELIMINARY AND SUBJECT TO  
CHANGE PENDING FINAL REVIEW OF THE EVENT AND PUBLICATION IN NWS  
STORM DATA.

...SUMMARY...

THE BALTIMORE/WASHINGTON NATIONAL WEATHER SERVICE FORECAST OFFICE  
LOCATED IN STERLING VIRGINIA DISPATCHED A STORM SURVEY TEAM TO  
ALLEGANY COUNTY MARYLAND TO EVALUATE WIND DAMAGE FROM A STORM ON  
JULY 29 2009 IN THE OLDTOWN AREA. THE SURVEY WAS CONDUCTED IN  
COORDINATION WITH THE ALLEGANY COUNTY DEPARTMENT OF PUBLIC SAFETY,  
HOMELAND SECURITY, AND BUREAU OF POLICE.

THE STORM SURVEY TEAM INVESTIGATED DAMAGE IN 4 AREAS: OLD BRADDOCK  
TRAIL/BROOKSTREE LANE...OLDTOWN CEMETERY ROAD...WAGNER ROAD...AND  
LOWER TOWN CREEK ROAD.

THE DAMAGE NEAR THE INTERSECTION OF OLD BRADDOCK TRAIL AND  
BROOKSTREE LANE WAS TO STRUCTURES...TREES...AND TELEPHONE POLES.  
ONE LARGE BARN HAD ITS ROOF BLOWN OFF ALONG WITH ONE ONE LONG WALL.  
THE SUSPECTED CAUSE OF THIS DAMAGE WAS THE WIND RUSHING THROUGH AN  
OPEN BARN DOOR. ONE HOUSE DOWNSTREAM OF THIS BARN HAD SIDING  
REMOVED AND ANOTHER HAD ITS REAR DECK REMOVED FROM THE HOUSE.  
SEVERAL SOFTWOOD TREES WERE UPROOTED AND FELL AT ANGLES GREATER THAN  
90 DEGREES TO EACH OTHER. APPROXIMATELY 6 WOODEN TELEPHONE POLES  
WERE SNAPPED. TELEPHONE POLES SNAPPING ARE CONSISTENT WITH WIND  
SPEEDS BETWEEN 90 AND 100 MPH.

FURTHER NORTHEAST OF OLD BRADDOCK TRAIL...HARDWOOD TREES WERE  
UPROOTED AND DAMAGED ALONG OLDTOWN CEMETERY ROAD. LOWER BOUND  
ESTIMATES OF UPROOTED HARDWOOD TREES IS APPROXIMATELY 75 TO 85 MPH.

ALONG WAGNER ROAD...DOZENS OF HARDWOOD TREES...INCLUDING SOME AS  
LARGE AS 2 FOOT...WERE UPROOTED AND FELL IN DIFFERENT DIRECTIONS.

**NWS Public Information Statement on the Oldtown Tornado Continued from page 12**

ADDITIONALLY...A HOME IN THIS VICINITY HAD LEAF SPATTER ON ALL FOUR SIDES OF THE STRUCTURE. VIEWING TOWARDS THE NORTHEAST...A LARGE AREA OF DOWNED TREES THAT WERE INACCESSIBLE TO THE SURVEY TEAM COULD BE VIEWED FROM AFAR LEADING UP THE FACE OF THE HILL. ESTIMATED WINDSPEEDS FOR THIS DAMAGE IS 75 TO 85 MPH.

FINALLY...THE DAMAGE OBSERVED ALONG LOWER TOWN CREEK ROAD WAS SIMILAR TO THAT OBSERVED ALONG WAGNER ROAD...WITH MANY DOWNED HARDWOOD TREES. THE DAMAGE ALONG LOWER TOWN CREEK ROAD WAS APPROXIMATELY 4.1 MILES NORTH OF MD STATE ROUTE 51.

THE 5 MILE PATH OF DAMAGE WAS NOT CONTINUOUS...WITH THE DAMAGE LIMITED TO HILLTOPS AND RIDGES.

BASED ON THE ENHANCED FUJITA SCALE...THE TREE DAMAGE AND STRUCTURAL DAMAGE ARE CONSISTENT WITH WINDS RANGING FROM 75 TO 85 MPH AND AN EFO RATING. HOWEVER...WITH THE DAMAGE TO THE TELEPHONE POLES IN THE OLD BRADDOCK TRAIL AREA...THE WINDS WERE ESTIMATED AT 90 TO 100 MPH...WHICH CLASSIFIES THE TORNADO AS AN EF1 ON THE ENHANCED FUJITA SCALE.

THE NATIONAL WEATHER SERVICE THANKS THE ALLEGANY COUNTY DEPARTMENT OF PUBLIC SAFETY, HOMELAND SECURITY, AND BUREAU OF POLICE.FOR THEIR COOPERATION AND PARTICIPATION IN THE STORM SURVEY.

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US Dept of Commerce  
National Oceanic and Atmospheric Administration  
National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910  
Incorrect Region Format!

**Map of July 31 Tornadoes by Jeff Taylor**

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**ijamsville and Gamber Tornadoes - July 31, 2009**










Two EF-1 Tornado Paths in ijamsville, MD., and One EF-0 Tornado Path in Gamber, MD.

39 views - Public

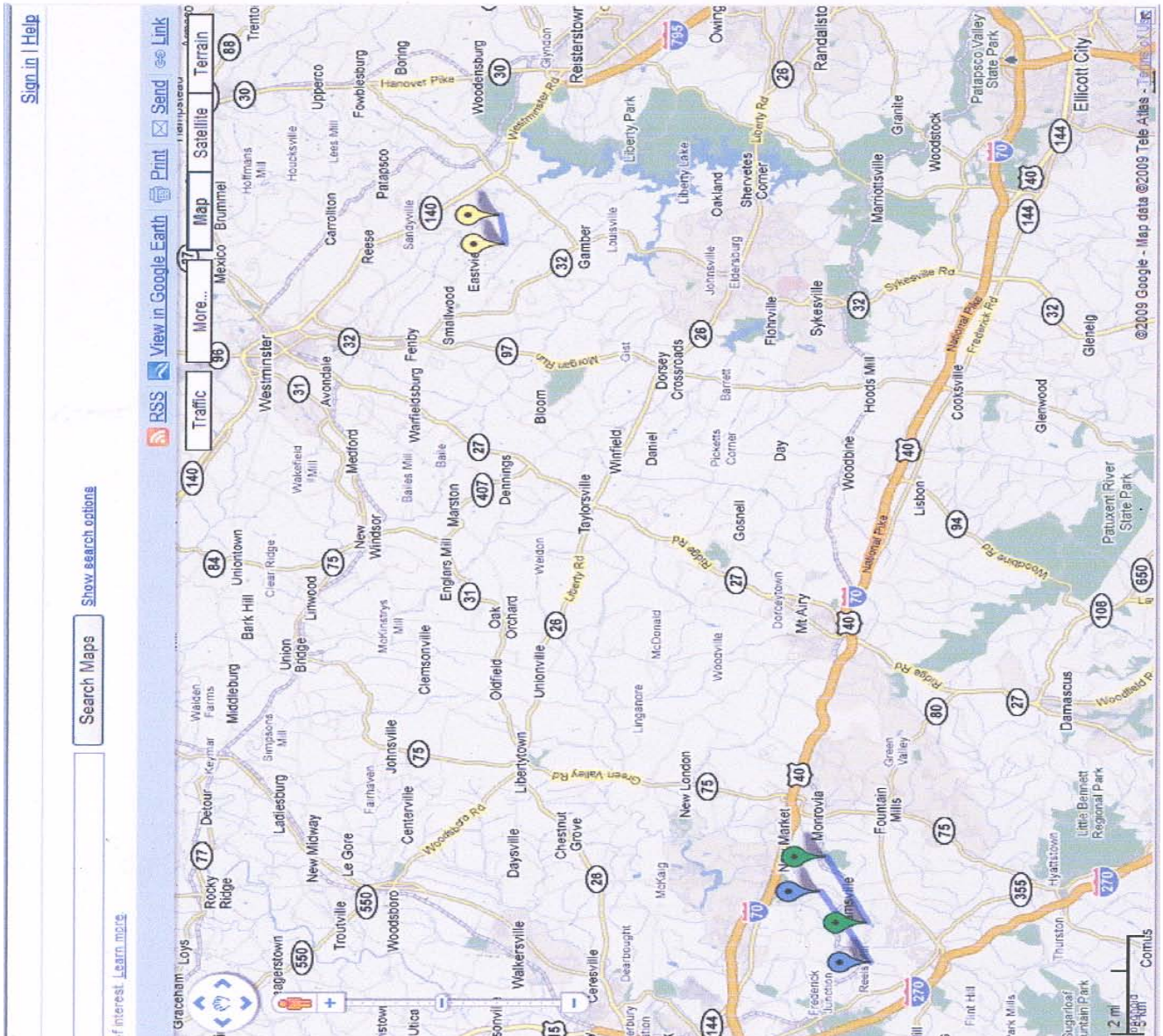
Created on Aug 1 - Updated Aug 2

By Jeff T - 2 Collaborators

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-  [39.3531N/77.3352W \(ijamsville Path Start #1\)](#)
-  [39.3708N/77.3168W \(ijamsville Path End #1\)](#)
-  [EF-1 - 90-100 MPH](#)
-  [39.3531N/77.3352W \(ijamsville Path Start #2\)](#)
-  [39.3688N/77.2962W \(ijamsville Path End #2\)](#)
-  [EF-1 - 100-110 MPH](#)
-  [39.492N/76.933W \(Gamber EF-0 Path Start\)](#)
-  [39.494N/76.916W \(Gamber EF-0 Path End\)](#)
-  [EF-0 - 85 MPH](#)

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The map displays the ijamsville and Gamber areas in Maryland. It features several tornado paths marked with colored pins and lines. The paths are labeled with their respective severity (EF-1 and EF-0) and wind speed ranges. The map includes major roads, local towns, and geographical features like parks and lakes. The interface shows standard Google Maps controls such as search, navigation, and map style options.