



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

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

## Quiet, Dry month - Warm Thanksgiving

November was an uneventful month. Temperatures averaged near to below normal while precipitation was below normal even though rain fell on a dozen days. Other than a Trace of snow reported by **Herb Close** of **Manchester 1 SW** and **Bryon Lawrence** of **Frederick 3 WNW** on the 9th no snow fell east of the mountains.

Noel, the last but deadliest hurricane of the 2007 season, had no effect on the region as it passed rapidly northwards well off the coast early on the 2nd and 3rd as an extratropical cyclone. See page 3 for a chart of all of the 2007 tropical systems in the Atlantic Basin.

**Jeff Stoudt** of **Laurel 2 E** summed up the month by saying "The pattern change that began during the closing days of October persisted through November, and the result was typical mid to late fall temperatures. The soaking rains of late October proved to bring only temporary relief from the prevalence of sub normal precipitation this year."

The month began dry and warm. Maximum temperatures on the 1st ranged from the mid 60's to the mid 70's. A cold front which moved through late on the 1st dropped maximum temperatures 15 degrees for the 2nd. The first rains fell on the 5th and 6th. Amounts were generally less than two tenths on an inch. The heaviest amounts fell in the Maryland Mountains and in Southern Delaware.

The first area-wide frost with freezing temperatures occurred on the 8th at all but a few urban and far southern stations. Maximum temperatures on both the 8th and 9th were generally in the 40's while minimums fell into the mid 20's to the lower 30's.

From the 9th to the 20th rain fell on 8 days. Most of the amounts were light. The wettest day of the month was the 15th. Amounts were generally around two thirds of an inch. Rainfall amounts of over an inch were reported by the following ACON observers: **Max Hutto** of **Smithsburg 1.5 SW 1.28"**, **Bryon Lawrence** of **Frederick 3 WNW 1.15"**, and

**Brian Smith** of **Oxon Hill 1.02"**. **Rebecca Harvey** of **Eagle Rock** reported 1.10" and 3.0" of snow during the event of the 15th & 16th.

Four to six tenths of an inch of rain fell on the 18th and 19th along the Pennsylvania border from Carroll County east though Northern Delaware. Little to no rain fell from Baltimore southwards.

The warmest temperatures of the month moved into the region on the 21st, the day before Thanksgiving, and remained into the 22nd. **Jug Bay Wetland** at **Lothian** reported 78°, **Joe Terry** of **Forest Glen 77°**, and **Stan Rossen** of **Glenmont 1 NNE 76°**. A strong cold front, accompanied by scattered light rain showers and strong winds, moved across the region Thanksgiving afternoon. Wind gusts upwards of 50 mph occurred. **Greg Keefer** of **Hagerstown 1 E** reported 48 mph, **Rich Giannola** of **Laurel JHU/APL 46 mph**. Maximum temperatures on the 23rd and 24th dropped into the 40's. The coldest morning of the month occurred on the 24th. Upper teens occurred along the Pennsylvania border.

The cold was short lived. 60's returned for the 26th and 27th. The last showers of the month occurred on the 26th. The heaviest rains fell in Carroll County. **Max Hutto** of **Smithsburg 1.5 SW** and **Rebecca Harvey** of **Eagle Rock** both reported 0.87". The last three days were seasonally warm and dry.

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Jug Bay Wetlands	78
Forest Glen	77
Glenmont 1 NNE	76

##### MINIMUM TEMPERATURE

Eagle Rock	11
Davis 3 SE WV	11
Frostburg	16

##### WARMEST AVG. TEMP.

Ridge	50.0
Baltimore 2 SE	49.2
Hollywood	48.9

##### COLDEST AVG. TEMP.

Davis 3 SE WV	35.9
Frostburg	38.1
Eagle Rock	39.1

##### MAXIMUM PRECIPITATION

Smithsburg 1.5 SW	3.57
Eagle Rock	3.18
Smithsburg 2 NE	3.17

##### MINIMUM PRECIPITATION

UofD Georgetown DE	1.15
Bethesda	1.21
Laurel JHU/APL	1.23

##### MAXIMUM SNOWFALL

Davis 3 SE WV	6.4
Eagle Rock	5.0

### IMPORTANT OBSERVING PROCEDURE

THIS PROCEDURE REFRESHER IS DIRECTED TO OBSERVERS WHO DO NOT USE MIDNIGHT AS THEIR OBSERVATION TIME. I HAVE NOTICED A FEW ERRORS ON A FEW FORMS.

TEMPERATURE EXTREMES AND PRECIPITATION AMOUNTS NOTED ON YOUR FORM IS FOR THE 24 HOURS ENDING AT YOUR OBSERVATION TIME, NOT FOR THE CALENDAR DAY. ANY PRECIPITATION WHICH FALLS OR EXTREME TEMPERATURE OCCURRING AFTER YOUR OBS TIME MUST BE REFLECTED IN THE NEXT DAYS READING. EXAMPLE: OBS TIME OF 5 PM: Day #1 MAX TEMP SINCE YESTERDAY AT 5 PM WAS 65°. THE TEMP CONTINUED TO RISE UNTIL IT REACHED 72° AT 7 PM. THEN A COLD FRONT MOVED THROUGH DROPPING TEMPERATURES OVER 30 DEGREES. THE HIGH FOR DAY #1 IS STILL 65. THE MAX TEMPERATURE FOR DAY #2 IS 72° EVEN THOUGH THE CALENDAR TEMPERATURE ONLY REACHED 42° IT IS A GOOD PRACTICE TO NOTE YOUR OBSERVATION TEMPERATURE IN YOUR RECORDS. THIS WILL HELP TO PREVENT CARRY OVER ERRORS. IT IS ACCEPTABLE TO NOTE EVENTS WHICH OCCUR ON THE CALENDAR DAY AFTER YOUR OBS TIME IN THE COMMENT FIELD. ACCURACY OF DATA IS OF UPMOST IMPORTANCE.

# OBSERVER COMMENTS FOR NOVEMBER 2007

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

**13th** - Stars visible through dense radiation ground fog after 10 PM.

**24th** - Heavy AM frost. Day was sunny with light winds.

## **Nate Mullins of LaVale**

This was the third consecutive month with below average precipitation - a relatively dry fall.

**6th** - Strong winds, diminishing through the day.

**11th** - Fog, overcast, evening rain.

**23rd** - Mostly sunny, passing clouds.

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

**5th & 6th** - Occasional light rain fell from late in the evening of the 5th to 0800 on the 6th.

**15th** - Periods of rain till dusk.

## **Al Kreinik of Parkton 5 SW**

**26th** - Many small branches down during the storm.

## **Marty Sharrow of Owings Mills**

**5th** - Frosty start, then partly cloudy and seasonal.

**12th** - Overcast, damp, and cool.

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

**1st** - Warm, breezy, turning cooler in the evening.

**22nd** - Warm, cloudy, very windy, a few sprinkles, becoming partly cloudy and colder in PM.

**28th** - Lots of sunshine but chilly.

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

YTD precipitation 14.09" below last year's.

**6th** - Rain shower early, windy and colder.

**22nd** - Brief shower, windy and colder late in the day.

**24th** - Much colder, sunny and cold.

**29th** - Cloudy, AM shower, clearing PM.

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

Fall 2007:

Avg max 67.8 (+3.4)

Avg min 46.6 (+0.7)

Avg temp 57.2 (+2.1)

Precip 7.27 (-3.92)

November's temperatures and precipitation both a little below normal - excellent harvesting conditions.

**8th** - AM Heavy frost, PM clouds and virga.

**13th** - Showers near sunrise then PM clearing.

**26th** - High winds late - many limbs down.

## **Ray Muller of Westminster City**

**14th** - Dense fog, visibility 1/4 mile.

**20th** - Dense fog, visibility 1/8 mile.

**24th** - Heavy frost.

**26th** - Dense fog, visibility 1/16 mile.

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

**17th** - Cloudy, calm day.

**22nd** - Sunny, breezy, warm.

## **Rebecca Harvey of Eagle Rock**

**16th** - 3" snow cover—max for the month.

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

**19th & 20th** - Drizzle.

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

**21st** - Record daily maximum temperature

**22nd** - Record daily maximum temperature. Gusty frontal passage ~ 2:30 PM.

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

**8th** - First freeze of the fall.

**15th** - Rain began before dawn, lasting until early afternoon. Clearing and becoming windy thereafter.

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

Autumn precipitation 7.67".

**14th** - Fog Morning visibility 1/2 mile.

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

Finished 29 years of weather observing at my site.

November was normal in temperature and below normal in precipitation, about 53% of normal.

**15th** - Cloudy, mild, rainy, for AM. Partial clearing, cooler PM.

**30th** - Sunny, colder, breezy at times.

## **Joe Terry of Forest Glen**

**8th** - First hard freeze of the season.

**15th** - AM cold front followed by rain, occasionally heavy, and falling temperatures after noon.

**22nd** - Strong mid-afternoon dry cold front accompanied by an impressive arc cloud. A 20° drop in temperature in 2 hours.

## **Brian Smith of Oxon Hill**

**11th** - Heavy frost.

**27th** - Day maximum temperature 56°

## **Floyd Abell of Hollywood**

**15th** - Rainy day—started 7 AM—breezy, fair evening.

**22nd** - Fair, then late day shower, gusty winds.

## **John Zyla of Ridge**

**8th** - Scattered frost, first of the season.

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

**8th** - Very cold AM, cloudy, cool.

**15th** - Overnight rain into late AM, windy.

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

**15th** - Rain overnight and this morning was heavy at times ended around 11 AM.

**18th** - Cloudy chilly and misty today.

**26th** - Foggy with periods of rain overnight and all day. Showers and gusty winds late this evening.

## **Lance Shaffer of Sterling 4 N VA**

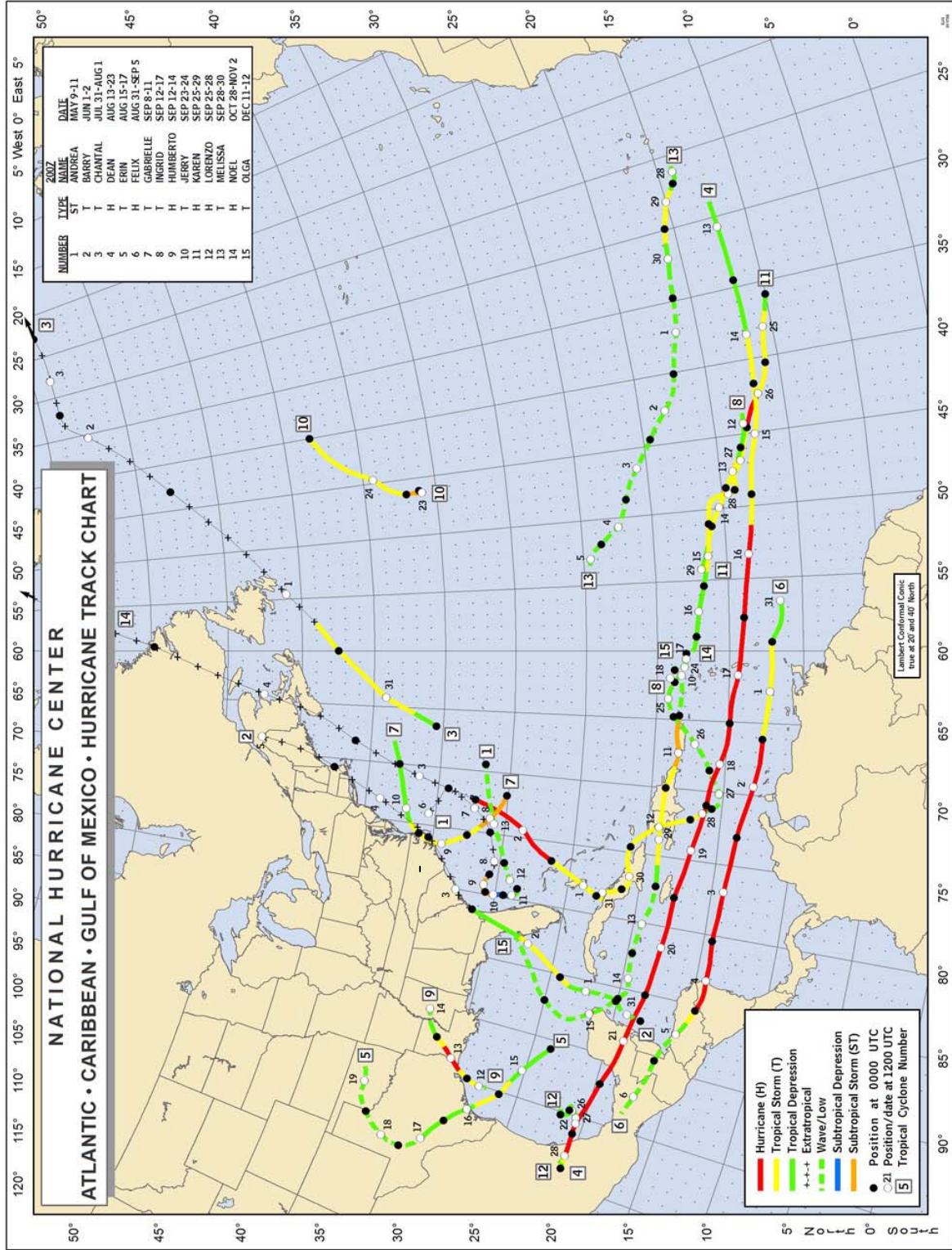
**4th** - Cloudy start, some sun.

**20th** - Overnight precipitation, AM fog

## **Dave Leshner of Davis 3 SE WV**

**16th & 17th** - 2" snow cover, maximum for the month.

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.



# 2007 ATLANTIC BASIN HURRICANE TRACKING CHART