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

## MILD AND WET

The last month of the 2006 Autumn season extended the current streak of months with above average rainfall but ended the streak of months with below average temperatures. The month began and ended on warm notes. Two stations reported identical maximum and minimum temperatures on the 1st and 30th—**Gary Gallaher of Bear 2 SW DE** and **Dan Hanson of Pasadena 3 SW**. The coldest temperatures and the first freeze for the milder locations occurred early in the month. Most of the months rainfall fell roughly during a two week period mid month. The strongest and wettest storm of the month brought thunder to portions of the region along with a tornado watch from Frederick County eastwards on the 16th. Snow was almost non-existence. No measurable snow was observed in Maryland and Delaware.

The month began warm with temperatures in the upper 60's to middle 70's. A frontal system brought rain and cooler temperatures for the 2nd. By the morning of the 4th the coldest temperatures of the month moved into the region. Minimum temperatures from the 3rd to the 7th were in the 20's and 30's. On the fourth **Greg Keefer of Hagerstown 1 E** reported 20° which broke the old record of 22° which was set in 1939. On the fourth **Rebecca Harvey of Eagle Rock**, located in Western Maryland's Garrett County, reported her only day of the month with a maximum temperature of 32 or below.

The first heavy rain event occurred on the 7th (Election Day) and the 8th. The heaviest rains of 2 plus inches fell in Northern Delaware. **Steve Gallaher of North St. Georges DE** reported 2.64", and **Gary Gallaher of Bear 2 SW DE** 2.39". In Maryland **Dave Bryant of Annapolis 2N** reported 2.05". 1.25" to 1.75" amounts were common to the balance of the region east of the mountains.

Warm temperatures returned on

the 10th and 11th. The warmest temperatures reported by ACON observers were: 80° on the 10th and 79° on the 11th by **Floyd Abell of Hollywood**, 80° by **Karyn Molines of Jug Bay Wetlands** on the 12th (9AM obs time) and 79° by **Marty Brumback of Bryans Road** on the 11th.

A cold rain fell on the 12th. The heaviest amounts of one inch plus fell in Washington County and from the Washington DC region eastwards.

A strong storm system moved through the region on the 16th. A tornado watch was issued for the late morning and afternoon hours. Thunderstorms were reported by numerous observers in central Maryland. Rainfall amounts of 1 1/2 inches plus fell from Carroll County eastwards in Maryland. **Kevin Shaw of Gaithersburg 2 WNW** reported the greatest with 2.95". Two inch amounts were also reported by **Rob Cohen of Potomac 4 N**, **David Roth of Montgomery Village 1 SW**, **Joe Terry of Forest Glen**, all from Montgomery County and **Joe Manfre of Baltimore 2 SE**. Rapid clearing followed the storm system. Rainbows were reported across central Maryland. **Karyn Molines of Jug Bay Wetlands** reported full rainbow with a partial double on each end.

Seasonal temperatures followed from the 19th to the 23rd. The next storm system moved into the region for the 22nd and Thanksgiving day, the 23rd. The heaviest rain fell from the Washington DC region eastwards and southwards. Two inch plus amounts were reported by the NWS at Georgetown DE and Salisbury MD. The heaviest amounts were reported by ACON observers were **John Zyla of Ridge 1.75"** and **Floyd Abell of Hollywood 1.70"**

The balance the month was mild and mostly dry. Dense AM fog was common. Temperatures on the 30th rose to the mid 60's to the lower 70's. The warmest temperatures reported were 75° by

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Jug Bay Wetlands	80
Hollywood	80
Bryans Road	79

##### MINIMUM TEMPERATURE

Davis 3 SE WV	15
Frostburg	17
Eagle Rock	18
Smithsburg 1.5SW	18

##### WARMEST AVG. TEMP.

Baltimore 2 SE	55.4
Ridge	52.5
Hollywood	52.2

##### COLDEST AVG. TEMP.

Davis 3 SE WV	40.4
Eagle Rock	42.7
Frostburg	43.2

##### MAXIMUM PRECIPITATION

Gaithersburg 2 WNW	7.15
Bethesda	6.73
Forest Glen	6.57

##### MINIMUM PRECIPITATION

Davis 3 SE WV	2.97
Hagerstown 1 E	3.22
Eagle Rock	3.30

##### MAXIMUM SNOWFALL

Davis 3 SE WV	2.5
Frostburg	T
Millers 4 NE	T
Eagle Rock	T

**Floyd Abell of Hollywood**, and 74° by **Marty Brumback of Bryans Road**, and **John Zyla of Ridge**.

**Herb Close of Manchester 1S** held his annual Weather Gathering on the 25th. Thanks again Herb for the good times and food!

# OBSERVER COMMENTS FOR NOVEMBER 2006

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

Month began and ended with 71 degree maximum and 51 degree minimum temperatures.

**4th** - Heavy AM frost

**30th** - Very dense fog around dawn. After warm frontal passage breezy with some sun.

## **Nate Mullins of LaVale**

**8th** - Period of moderate rain overnight with light rain continuing through 3 PM along with fog in the mountains.

**16th** - Rain, heavy at times, during the mid morning.

## **Dave Bryant of Annapolis 2 N**

**13th** - Heavy rain overnight.

**16th** - Heavy rain off and on. South winds sustained @ 30 MPH with gusts to 50.

## **Karyn Molines of Jug Bay Wetlands**

**16th** - There was a full rainbow with partial double on both ends between 4:35 and 4:55 PM.

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

**7th** - Rain, heavy at times, till 0700 (1.48"), then occasional light rain and drizzle.

**16th** - A stream of tropical moisture unleashed mid afternoon thunderstorms after middle AM showers. Most of the 1.81" came within an hour.

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

**6th** - Frosty morning.

**16th** - Heavy rain late morning and early afternoon. Some flooding. Rainbow.

**29th** - AM heavy fog.

## **Marty Sharrow of Owings Mills**

**14th** - Overcast and damp with some late afternoon sun.

**26th** - Foggy start, sun and high clouds, milder.

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

**1st** - Variable clouds, mild.

**16th** - Thunderstorms.

**22nd** - Cloudy, cool. Rain in PM.

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

**2nd** - Overnight rain, cooler.

**16th** - Heavy rains, thunderstorms, flooding, windy.

**29th** - Dense fog, cloudy.

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

**11th** - Warm. More sun early then generally cloudy in PM.

**16th** - Heavy rains, local flooding, thunder, rainbow.

**25th** - 100% sunshine with light winds.

## **Ray Muller of Westminster City**

**16th** - Very heavy rains, gale force winds, some streams near bank full, some over bank full producing flooding.

## **Marty Brumback of Bryans Road**

**28th-29th-30th** - Fog

## **Rebecca Harvey of Eagle Rock**

**8th-14th-15th-23rd** - Fog

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

**27th** - One of the best optical displays that I've ever seen. At 12:40 PM there were two parhelia, a solar halo,

a Parry arc (pointing towards the sun), a left parhelia circle, and a 120° parhelia (left of the sun)

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

**4th** - 24 degrees—Station daily record minimum

**16th** - Heavy rain and squalls late am into early afternoon.

**30th** - 69 degrees —Station daily record maximum.

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

**3rd** - 30 degrees—First freeze

**16th** - RA began in morning after sunrise. RA+ during day. RA ended in afternoon followed by rapid clearing.

**26th** - Two parhelia and a circumzenithal arc at 2:30 PM.

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

7.15" Wettest November in station history. Old record 6.35" set in 1997. 20.43" Wettest Autumn in station history.. Old record 20.24" set in 1979.

## **Joe Terry of Forest Glen**

A very wet, cloudy month. Four >1" rain events within a two week period mid month. Very mild except for two cold periods.

**16th** - Very windy, heavy rain mid day. 0.34" in 5 minutes ~1400 along with thunder.

**29th, 30th** - Very dense AM for both days.

## **Brian Smith of Oxon Hill**

**4th** - Heavy frost, growing season over.

## **Floyd Abell of Hollywood**

**5th & 6th** - Halo 2143—0040 hours.

**7th** - Halo 0815 —1019 hours.

**16th** - Showers, heavy at times, windy, tornado watch.

**22nd** - Rainy day, windy at times.

**29th** - Dense AM fog.

## **John Zyla of Ridge**

**4th** - First frost and freeze of the season.

**12th** - Winds gust to 40 MPH first since 9/1/2006

**27th** - Very thick fog blanketing the yard. (This is a very rare event, usually our yard remains clear)

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

**12th** - Overnight rain, showers throughout the day.

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

**4th** - 20° Record daily minimum. Old record 22 set in 1939.

**11th** - Strong winds blew in briefly late this evening gusting to 41 mph.

**16th** - Strong SE winds all day gusting to 41 MPH. Some clearing late.

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

Third warmest November on record.

**11th** - 78°, Station daily record maximum. Old record 75 set in 1985.

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

**4th** - Thick frost - looked like snow.

**25th** - Frosty start, warm finish.

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

**20th & 21st** - 1" snow depth, 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.