



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

# ATLANTIC COAST OBSERVER NETWORK, MD / DE / DC CHAPTER

## SUNNY, WARM, DRYNESS INTENSIFIES

September, weather-wise, was a quiet month. Warm temperatures dominated most of the month. September was also a very sunny month. **Greg Keefer** of **Hagerstown 1E** noted in his remarks that this month was an unusually sunny September.

Despite eight tropical storms which formed in the Atlantic Basin this month none directly effected the region. The only indirect effect was moisture from Hurricane Humberto. Humberto made landfall in southeastern Texas on the 13th and dissipated over central Mississippi on the 14th. Moisture moved northeast and interacted with a strong cold front. **Floyd Abell** of **Hollywood** and **John Zyla** of **Ridge** reported the only daily one inch amounts in Maryland and Delaware for the entire month on the 15th. For the complete September summary from the National Hurricane Center see: [http://www.nhc.noaa.gov/archive/2007/tws/MIATWSAT\\_sep.shtml?](http://www.nhc.noaa.gov/archive/2007/tws/MIATWSAT_sep.shtml?)

The first two days of September saw seasonal temperatures, dry conditions, and sunny skies. Summer-like conditions returned from the 3rd to the 10th. Maximum temperatures were generally in the 80's to the lower 90's and minimums in the 60's. The summer-like heat and humidity peaked on the 10th.

The first rains of the month occurred on the 10th and 11th. Amounts were generally around a quarter of an inch. The heaviest reported by ACON observers in Maryland or Delaware was 0.99" by **Nate Mullins** of **LaVale** and 0.86" by **Marty Brumback** of **Bryans Road 2 ESE**. **Dave Leshner** of **Davis 3 SE WV** reported 1.24".

Cooler and more seasonal temperatures followed the cold front. The second of the four rain events of the month occurred on the 14th and 15th.

Amounts were generally less than a quarter of an inch. Heavier amounts fell in the southern portion of the region. Over an inch of rain fell in St. Marys County and a little less than an inch fell in Sussex County Delaware.

The coolest air of the month followed from the 16th to the 18th. Temperatures fell into the mid to upper 30's at some stations from Carroll County westward into West Virginia. **Rebecca Harvey** of **Eagle Rock** recorded her first frost of the season with 34 degrees on the morning of the 16th.

Above normal temperatures returned on the 21st. They remained for the balance of the month. The 25th and 26th were the warmest. Light isolated showers associated with the passage of a cold front fell on the 22nd. Clear skies along with bright sunshine and low humidity followed on the 23rd and 24th.

The last summer-like maximum temperatures occurred from the 25th to the 27th. Maximum temperatures ranged from the mid 80's to the lower 90's. The 26th was the hottest day. ACON observers **Joe Manfre** of **Baltimore 2 SE** reported 95 degrees and **Joe Terry** of **Forest Glen** 94 degrees.

Along with the heat and humidity showers and thunderstorms popped up from the 26th to the 28th. **Greg Keefer** of **Hagerstown 1E** reported evening thunderstorms on the 26th and 27th that dumped a total of 0.82". **Stan Rossen** of **Glenmont 1 NNE** reported 0.67" on the 27th. **Greg Latta** of **Frostburg** reported 0.59", **Eric Glass** of **Emmitsburg 2 SE** 0.54", **Kevin Shaw** of **Gaithersburg 2 WNW** 0.55", and **Lance Schaffer** of **Sterling 4N VA** 0.51".

The final two days of the month was sunny, dry, with maximum temperatures in the 70's and minimums temperatures in the 50's.

### EXTREMES REPORTED BY ACON OBSERVERS

#### MAXIMUM TEMPERATURE

Jug Bay Wetlands	95
Baltimore 2 SE	95
Frederick 3 WNW	94
Mont. Village 1 SW	94
Glenmont 1 NNE	94
Forest Glen	94

#### MINIMUM TEMPERATURE

Eagle Rock	34
Davis 3 SE WV	34
Frostburg	36
Millers 4 NE	37

#### WARMEST AVG. TEMP.

Baltimore 2 SE	76.5
Ridge	73.6
Oxon Hill	73.1
Hollywood	72.5

#### COLDEST AVG. TEMP.

Davis 3 SE WV	61.6
Frostburg	63.4
Eagle Rock	64.3
Emmitsburg 2 SE	67.0

#### MAXIMUM PRECIPITATION

Davis 3 SE WV	2.96
Frostburg	1.88
LaVale	1.84
Bryans Road 2 ESE	1.80

#### MINIMUM PRECIPITATION

Townsend 4 W DE	0.42
Owings Mills 2 SE	0.44
Baltimore 2 SE	0.70
Manchester 1 SW	0.71
Parkton 5 SW	0.72

# OBSERVER COMMENTS FOR SEPTEMBER 2007

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

Quiet, sunny month. One of the sunniest if not the sunniest month ever. Lack of clouds allowed for cool nights with plenty of dew accompanied by some thin ground fog and warm days. Yards browned for the first time this year. Only September in 41 years with less than an inch of rain. Driest on record. Old record was 1.23" set in 1970.

## **Greg Latta of Frostburg**

15th - Damaging winds reported between 7AM 9/14 & 7AM 9/15.

## **Nate Mullins of LaVale**

Scott Lohr has taken over the observing duties. September was the 4th driest and 4th warmest in 16 years of records.

27th - Large hail reported south of station.

## **Dan Hanson of Pasadena 2 N**

Station moved 3 miles ESE of previous location and reopened on the 20th.

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

May through September rainfall totaled only 9.58". Summer warmth dominated, save for a few days of moderate coolness just after mid month.

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

6th - AM fog.

## **Marty Sharrow of Owings Mills**

2nd - A stellar Day!!

7th - Sunny and hot.

17th - Cold start, sunny and comfortable.

26th - Hazy sun with a few scattered clouds and hot.

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

1st - Sunny, warm, low humidity.

7th - Partly cloudy, hot, humid.

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

11th - Finally some showers, cloudy, and cooler.

22nd - Drizzle early, sunny and hot later.

27th - Sunny, hot, late thunderstorms.

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

Driest September of 27 on record. Excellent harvesting conditions but precipitation needed.

26th - Latest 90° maximum temperature on record. Old record was 91° on 9/19/1983.

## **Ray Muller of Westminster City**

Extremely dry month with above normal temperatures.

27th - Cold front brings showers, late thunderstorms.

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

13th - Bright, clear, cooler, crisp.

## **Rebecca Harvey of Eagle Rock**

16th - First light frost of the season.

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

27th - Distant thunder at observation.

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

Only 5 days with measurable precipitation. Adding to the arid conditions was an abundance of very warm days, many well into the 80's along with two in the 90's.

8th - 90° set a daily record.

10th - 71° set a daily maximum minimum temperature.

## **Joe Terry of Forest Glen**

Generally hot and dry, but a one week interruption from the heat occurred mid month. The heat, low humidity and few cloudy days was basically a continuation of the desert like conditions of the summer.

26th - 94° second hottest day so late in the season in station history.

## **Floyd Abell of Hollywood**

10th - Early AM fog, afternoon and evening showers.

28th - Fair, breezy at times.

## **John Zyla of Ridge**

First September in 13 years of record without a thunderstorm.

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

11th - AM rain, warm, humid, breezy.

16th - 37° coldest since 5/14.

27th - PM thunderstorms in area, windy.

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

September was one of the sunniest months ever recorded with an average sunshine percentage of 81.5%. The only other September to come close was September 2005 with 73.3%.

4th - Bright, 100% sunshine.

15th - Cooler, north winds gusting to 39 MPH.

26th - Thunderstorms late afternoon and evening. First storm was intense with strong winds, frequent lightning, and brief heavy rains along with 39 MPH wind gusts. Some wind damage reported from the storms.

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

Third driest September.

New daily maximum minimum temperatures set on the 6th, 7th, 8th, 9th, 10th, 11th, 22nd, and 26th. New daily minimum maximum temperatures set on the 15th. New daily maximum temperature set on the 25th.

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

20th - Foggy morning.

21st - Foggy morning.

28th - Awesome fall weather!

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.