



**Atlantic Coast Observers Network
 MARYLAND / DELAWARE CHAPTER
 With Data from Nearby Areas**



SUMMER HEAT AND HUMIDITY ARRIVE, DRYNESS CONTINUES

HEAT

Two short hot spells occurred this month, one near the beginning and one near the end. The first brought record maximum temperatures to some of our ACON stations from the 7th through the 9th. **Bobby Miller of Miller 4 NE** recorded his stations hottest temperature so early in the year on the 7th. **Floyd Abell of Hollywood** reported a station maximum temperature on the 7th, 8th, and 9th. On the 7th, **Greg Keefer of Hagerstown 1 E** broke a record which stood since 1899. **John Zyla of Ridge** set a station all-time record. Brian Papa of duPont Circle NW DC had 100 degree temperatures on all three days. Humidity was at moderate levels during this heat wave. See page 2 for more details.

The second hot spell came at months end. Temperatures were not as hot, but humidity levels were quite a bit higher. Minimum temperatures failed to fall out of the 70's at many stations. The 29th was the hottest. ACON observer **John Zyla of Ridge** observed the maximum temperature of 98 while **Dan Hanson of Millersville 1 SE** recorded 77, the warmest minimum temperature.

COOL

The middle of the month brought with it sub normal temperatures. The 17th, 19th and 20th saw maximum temperatures in the 60's at many stations. Maximums in the low 60's were recorded by **Rebecca Harvey (60) of Eagle Rock**, **Clinton Bubb (62) of Morganza** and **Rob Rickell (62) of Hanover 2S PA** on the 20th during a rare summertime daylong rain. Minimum temperatures during the cool spell was mostly in the 50's with a few 40's.

RAIN

Rainfall this month continued below normal. Heavy thunderstorms affected the extreme northern portion of Maryland from Washington Co. east to Baltimore Co. on the 2nd. **Greg Keefer of Hagerstown** recorded 1.42". In other areas most if not all of the rain fell from the 10th - 21st and the 28th - 30th. **Jug Bay Wetlands (5.17")** was the only station with above normal rainfall.

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	101
Ridge	101
duPont Circle NW DC	100
South Bowie	100
Baltimore 2 SE	100

MINIMUM TEMPERATURE

Eagle Rock	38
Whaleysville	45
Finksburg	46
Smithsburg 3 NE	46

WARMEST AVG. TEMP.

duPont Circle NW DC	78.6
Baltimore 2 SE	75.8
Ridge	75.4

COLDEST AVG. TEMP.

Eagle Rock	67.4
Hanover 2 S	69.0
Westminster 4 SSE	69.1

MAXIMUM PRECIPITATION

Jug Bay Wetlands	5.17
Hagerstown 1 E	3.77
Gaithersburg 2 WNW	3.24

MINIMUM PRECIPITATION

Eagle Rock	1.14
Rockville Mont. College	1.27
Potomac 4 N	1.53



Photo of **Jim Canavan's Davis Weather Wizard II** with Sensor Link station at his home north of **Wilmington Delaware** which he installed 1 May 1999.

FOR MORE INFORMATION ABOUT ACON CONTACT:

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OBSERVER COMMENTS FOR JUNE 1999

Al Kreinik of Parkton 5 SW

2nd - Heavy thunderstorm at 740 PM. Nearby lightning strike damages wind direction equipment on roof.

10th - Light AM fog.

20th - Heavy shower 0430 AM. Angry looking sky with sporadic light rain all day.

Marty Sharrow of Owings Mills

A very dry month despite several end of the month rainfall events. Very warm temps made the dryness even more pronounced.

Herb Close of Manchester 1 SW

10th - Cool, damp, daytime high 67.

27th - Hot, very hazy and humid.

29th - Heavy morning fog

Ralph Hartsock of Westminster 4 SSE

Severe drought again.

Bobby Miller of Millers 4 NE

2nd - Heavy evening thunderstorm 730 PM - 815 PM.

7th - Set 18 year record maximum temperature so early in the year of 92.

8th - Set 18 year record maximum minimum temperature of 71.

Rebecca Harvey of Eagle Rock

18th - Light frost morning low of 38.

Rich Giannola of JHU/APL

As an indicator of the lack of storminess during the past 2 1/2 months, there were only 2 days (May 24 and June 14) with a wind gust at or above 30 MPH. In addition the last calendar day with more than one inch of precipitation was on March 21 - more than 3 months ago!

Kevin Shaw of Gaithersburg 2 WNW

Over 85% of the monthly 3.24" of rain occurred on 3 days, the 14th, 20th, & 28th. Daily maximum record temperatures of 97 was set on the 7th & 9th. Daily maximum record of 90 on the 2nd. Low daily minimum maximum in the 60's were set on the 17th (69), 20th (65), & 21st (68)

Joe Terry of Forest Glen

Remaining dry but frequent rain events during the 3rd and 4th week helped reduce drought severity by months end. Large temperature variability for June.

Gary Gallaher of Bear 2 SW, DE

Seasonal temperatures. Two hot spells, one at the beginning of the month with record high temperatures of 96 on the 7th and 8th. Oppressive humidity set in at months end. Dry conditions. All but 0.02" fell from the 13th to 21st.

This was the fourth June this decade with monthly precipitation less than 2.00"

Bill Hudelson of South Bowie

14th Thunderstorm with frequent lightning and heavy rain 1730 - 1800 hours.

20th - Rain began during the night, continued rest of the day. Max temp a cool 62.

Floyd Abell of Hollywood

7th - Station record high temperature for date of 95

8th - Station record high temperature for date of 97

9th - Station record high temperature for date of 97

John Zyla of Ridge

18 days with no rain (May 25 - June 11)

8th - 100.6 degrees at 421 PM stations highest temperature ever (since 1/1/95)

March 28 - June 28 - 92 days with only 3.92" precipitation.

Greg Keefer of Hagerstown 1 E

7th - Record high of 95 breaks old record of 94 set in 1899.

8th - Tied record high of 94 set in 1914. Humidity lower today, in the mid 30% range.

9th - Hot again (95) but no record. Humidity in the upper 20's.

28th - Hot and Humid. Thunderstorm with very heavy downpours 1 PM - 130 PM 1.24" of rain fell in 30 minutes.

Jim Vaughn of Smithsburg 3 NE

2nd - Three thunderstorms, 2 PM, 6 PM, 9 PM

Kenny Boggs of Whaleyville

Still too dry for farm crops.

Brian Papa of duPont Circle NW DC

14th - Moderate - Strong thunderstorms begin around 5 PM. Wind gusts estimated around 45 MPH. Heavy rains totaled 1.73".

Rob Rickell of Hanover 2 S, PA

14th - Thunder and damaging winds.

Any Weather Pictures, Station Pictures? Forward and I will include if quality is ok and space allows. Let me know if you want them returned.- - Gary.