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

**BELOW NORMAL PRECIPITATION DESPITE  
NUMEROUS THUNDERSTORMS**

June's temperatures averaged slightly above normal. "Hot, humid weather was balanced nicely by cool, comfortable periods" as noted by **Joe Terry** of **Forest Glen** in his June summary. Dry conditions from May continued over much of the area. Precipitation varied across the board from less than 2 inches to over 5 inches. Thunderstorms were common. Some of the storms were severe with damaging winds and or hail while others brought only a little rain. The remnants of Tropical Storm Barry brought beneficial rains early in the month to the eastern areas.

Warm to hot temperatures continued from the end of May through the first couple days of June. Temperatures generally were in the mid 80's to 90 degrees. On the 3rd and 4th remnants of Tropical Storm Barry moved up along the Atlantic Coast. Beneficial rains of over one inch fell generally east of the I-95 corridor. Rainfall totals in Delaware were around one and a half inches. The lowest barometric pressures of the month resulted from Barry's passage. The following readings were reported by ACON observers: **John Zyla** of **Ridge** 29.29", **Greg Keefer** of **Hagerstown 1 E** 29.37", **Gary Gallaher** of **Bear 2 SW De** 29.38", **Dan Hanson** of **Pasadena 3 SW** 29.39", **Bobby Miller** of **Millers 4 NE** 29.42", **Joe Terry** of **Forest Glen** 29.42", and **Rich Giannola** of **Laurel JHU/APL** 29.43"

Maximum temperatures remained in the 70's and lower 80's through the 6th. Morning lows on the 7th ranged from the upper 40's to mid 50's outside metropolitan areas.

A warming trend began on the afternoon of the 7th. By the 8th temperatures rose into the 90's. A third of the ACON stations reported their hottest temperatures of the month. 98° was reported by the following ACON observers: **Joe**

**Manfre** of **Baltimore 2 SE**, **Bryon Lawrence** of **Frederick 3 WNW**, and **David Roth** of **Montgomery Village 1 SW**. **Greg Keefer** of **Hagerstown 1E** reported a heat index of 103°.

Isolated strong thunderstorms occurred the evening of the 8th. Winds gusted to 61 MPH at Hagerstown Airport. **Max Hutto** of **Smithsburg 1.5 SW** reported area wide tree damage.

Rainfall totals from thunderstorms on the 12th and 13th ranged from a few hundreds of an inch to over 2 inches. **Stan Rossen** of **Glenmont 1 NNE** measured 2.52", **Rich Giannola** of **Laurel JHU/APL** 1.96", **Rich Giannola** of **Olney 1 S** 1.85" and **Joe Terry** of **Forest Glen 1 E** 1.85". **Greg Keefer** of **Hagerstown 1 E** reported hail in the Hagerstown area, but not at his station on the 12th but on the 13th he recorded pea to quarter size hail. **Nate Mullins** of **LaVale** also reported hail in the Cumberland area on the 12th and 13th. Golf ball size hail fell on the 13th. No hail fell at his station in LaVale.

The 14th was mostly cloudy and very cool for mid June. Maximum temperatures remained in the 60's.

90 degree temperatures returned in force on the 18th and 19th. Low to mid 90's were common in Maryland but upper 80's in Delaware.

Some of the coolest temperatures of the month occurred on the morning of the 23rd. Mid to upper 40's were observed at locations with good radiational cooling. **Rebecca Harvey** of **Eagle Rock** reported 42°, **Al Kreinik** of **Parkton 5 SW** 45°, and **Bobby Miller** of **Miller 4 NE** 46°. **Salisbury Wicomico County Airport** reported 43°.

The last hot spell of the month occurred from the 26th to the 28th. Temperatures peaked on the 27th when they rose into the mid 90's. **Joe Manfre** of

**EXTREMES REPORTED BY**

**ACON OBSERVERS**

**MAXIMUM TEMPERATURE**

Baltimore 2 SE	99
Montgomery Village 1 SW	99
Jug Bay Wetlands	98

**MINIMUM TEMPERATURE**

Davis 3 SE WV	41
Eagle Rock	42
Frostburg	45
Parkton 5 SW	45

**WARMEST AVG. TEMP.**

Baltimore 2 SE	80.0
Oxon Hill	76.0
Ridge	75.7

**COLDEST AVG. TEMP.**

Davis 3 SE WV	62.4
Frostburg	65.9
Eagle Rock	66.1

**MAXIMUM PRECIPITATION**

Olney 1 S	5.39
Davis 3 SE WV	5.17
Forest Glen	4.65

**MINIMUM PRECIPITATION**

Parkton 5 SW	1.34
Bryans Road 2 ESE	1.60
Millers 4 NE	1.73

**Baltimore 2 SE** reported 99°. 97° was reported by **Dan Hanson** of **Pasadena 3 SW**, and **Floyd Abell** of **Hollywood**.

More thundershowers occurred on the 27th and 28th. Amounts were generally less than a 1/4 inch. The heaviest rains fell in Washington County where 1/2 to 3/4 inches of rain fell.

The month ended with seasonable temperatures. Afternoon showers in St Marys County brought 0.53" to **Hollywood** and 0.67" to **Ridge**.

# OBSERVER COMMENTS FOR JUNE 2007

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

Changeable month. Temperatures and precipitation slightly above normal. Periods of summer type humidity along with periods of very pleasant conditions. No severe thunderstorms

**3rd & 4th** - Much needed soaking rains.

**25th** - Surprise thundershower brought much needed rain shortly after sunrise.

## **Greg Latta of Frostburg**

**14th** - Heavy fog at observation.

## **Nate Mullins of LaVale**

June was highlighted by warm temperatures and scattered strong to severe thunderstorms.

**1st** - Thunderstorm with gusty winds and a deluge of rain measuring 0.83" in 30 minutes.

**12th** - Severe thunderstorms 8 to 11 PM moved in from the NE. Winds gusted to over 40 mph, almost continuous lightning and brief heavy rains. Severe wind damage and several funnel clouds reported in the Flintstone area. Hail reported in other parts of the county.

**13th** - Golf ball size hail, damaging winds and flooding in Cumberland.

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

Moderate rain from TS Barry remnants and an isolated thundershower brought 71% of the month's rain and temporary relief from May's dryness.

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

**8th** - AM dense fog

**18th** - Becoming hazy in the PM.

## **Marty Sharrow of Owings Mills**

9 days with thunder (3rd, 4th, 12th, 13th, 19th, 21st, 26th, 27th, 28th)

**20th** - Clearing, less humid and cooler.

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

Another warm month with 7 days with thunder.

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

**13th** - PM severe storms, good rains finally.

**26th** - Humid, Hot, Sunny

**28th** - Mostly cloudy, humid

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

5th driest June of 26. May—June was the second driest with 3.54" of rain behind 1986 with 2.37" of rain.

**13th & 26th** - Heavy fog at 6 AM

## **Rebecca Harvey of Eagle Rock**

Thunder on the 4th, 6th, 13th, 14th, 22nd, 28th, 29th, 30th.

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

**12th** - Late afternoon TSRA and evening SHRA.

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

**3rd** - Rain, drizzle, windy. Afternoon temperatures in the mid 60's.

**18th & 27th** - Record maximum temperatures 92° and 94°.

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

**10th** - Early afternoon, very localized ++SHRA. Storm moved from NE to SW.

**13th** - Mid afternoon TSRA began at 6:20 PM (0.12") followed by a +TSRA beginning at 6:45 PM ending ~ 9 PM (1.57".)

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

90% of the month's rain fell during the first 14 days.

**14th & 15th** - Record low maximum temperatures of 68° & 69°.

**27th** - Tied record maximum temperature of 95 set in 2002

## **Joe Terry of Forest Glen**

Hot, humid weather balanced nicely by cool, comfortable periods.

**4th** - 29.42" second lowest pressure (14 years of records)

**13th** - 3 thunderstorms, all moving from the NNE. First storm in the early afternoon produced no rain but lots of lightning and dark clouds to the east. The third storm dumped 1.48" in the early evening.

**23rd** - Dew point as low as 45°

## **Brian Smith of Oxon Hill**

**12th** - TSRAGR 1800-1805. Hail 1/4"

## **Floyd Abell of Hollywood**

**20th** - Evening thunderstorm then fair.

**30th** - Mostly cloudy, AM shower (0.05"), heavy afternoon shower (0.62")

## **John Zyla of Ridge**

**3rd** - Fog

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

**8th** - AM haze, hot, PM thunderstorm, very windy, area wide tree damage.

**29th** - AM rain, cloudy, cooler

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

**8th** - Record high of 94° set in 1999 tied. Heat index peaked at 103°.

**12th** - Storms moved in from the NE. Some areas received hail and high winds. No hail here.

**13th** - Intense storm moved in from the NNE with heavy downpours, sharp lightning wind gusts to 34 MPH. Hail fell for about 10 minutes, mainly pea to marble size but some quarter size hail fell.

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

Daily low maximum temperatures set on the 14th (64°), 15th (69°), 16th (78°), 22nd (73°), and the 29th (73°).

Daily high minimum temperatures set on the 3rd (64°), and the 4th (63°).

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.