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 1/2 to 3/4 inches. 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 Mills 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 1.85". 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 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.

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
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

Jeff Stoudt of Laurel 2 E
Moderate rain from TS Barry remnants and an isolated thunderstorm 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.

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°.

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.

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29th - AM rain, cloudy, cooler

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°).

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.