



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

CONTINUED COOL AND WET THEN SUMMER BY MONTH'S END

June 2003 was one of the wettest, coolest Junes. According to the NCDC it was Maryland's 6th coolest and 106th wettest and for Delaware's its 8th coolest and 107th wettest out of past 109. (Time period 1895-2003 (109 years). Wettest = 109, driest = 1; Warmest = 109, Coolest = 1.) ACON observers reported record or near record precipitation. Almost all of the rain fell during the first 22 days. See the Observer Comments section for more details. *Wilmington NWS* broke its record (dates back to 1894) of 8.38" that was set in 1938 with 9.90". *Washington NWS* and *Baltimore NWS* each broke their 1889 record for number of days with measurable rain in May and June by 2 days with 36 days and 35 days respectfully.

June began where May left off, i.e. many days with measurable precipitation. **Joe Terry** of **Forest Glen** gave this great brief summary: "The 1st through the 22nd was very cool with only two clear days. Then a dramatic turnaround starting the 23rd with sunny, hot and dry conditions." During the first 22 days there were only five (5) days when rain did not fall at a majority of reporting stations, the 2nd, 6th, 8th, 10th, and 16th.

The 1st was mostly cloudy, cool, and windy as result of a deep low pressure system that passed just north of the Mason Dixon line. Rains returned on the 3rd. The heaviest amounts of over an inch fell from Frederick County westwards. **Greg Keefer** of **Hagerstown 1E** reported the heaviest with 2.66", while **Jim Vaughn** of **Smithsburg 2 NE** reported 2.36". Overcast skies along with light rain and drizzle on the 4th prevented the maximum temperatures to rise past 60 degrees at most ACON stations except in Southern Delaware

and Southeastern portion of Maryland.

Heavy rains fell on the 7th. Amounts were generally in the 1 to 3 inch range. The heaviest rain was observed by David Roth of Montgomery Village 1 SW who reported 3.03". 2 inch plus amounts fell at most stations in Montgomery County Maryland and Sussex County Delaware.

Warmer temperatures along with uncomfortable dew points moved into the region on the 11th, but the showers continued. Maximum temperatures in the mid to upper 80's along with a few 90 and 91 degree readings were observed while minimum temperatures were in the mid 60's to lower 70's. Thunderstorms, some with heavy rain, were scattered on the 12th. **Lynn Albright** of **Fallston 2 NW** reported 2.06" which caused some flash flooding in Harford County. **Lynn Albright** reported more heavy rain and thunderstorms the next day (13th) which dumped an additional 1.55" that caused additional flash flooding.

The next, and last, wet spell of the month occurred from the 17th to the 21st. Maximum temperatures were in the 60's and 70's. Some rain fell on each day. The heaviest fell on the 19th and the 20th. **Rob Cohen** of **Potomac 4N** reported 2.09" on the 19th. Heavy rains caused flash flooding the afternoon of the 20th in New Castle Delaware. Radar estimated that upwards of 5 inches fell. ACON observer **Jim Canavan** of **Wilmington 4 NNE** reported 3.15". *Wilmington NWS* reported 3.58".

The final week of the month was more normal - sunny, warm with hot periods and scattered showers. Finally the sun appeared on the 23rd. **Greg Keefer** of **Hagerstown 1 E** in his daily notes reported that today was the sunniest day in 55 days. The temperature rose to and

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Fallston 1 NW	97
Baltimore 2 SE	96
Millersville 1 SE	95
Jug Bay Wetlands Lothian	95

MINIMUM TEMPERATURE

Eagle Rock	39
Frostburg	40
Bear 2 SW DE	41

WARMEST AVG. TEMP.

Oxon Hill	72.8
Baltimore 2 SE	72.5
Mont. Village 1 SW	71.5

COLDEST AVG. TEMP.

Frostburg	62.1
Eagle Rock	62.3
LaVale	65.5

MAXIMUM PRECIPITATION

Fallston 2 NW	9.82
Mont. Village 1 S	9.67
Millersville 1 SE	9.28

MINIMUM PRECIPITATION

U of D Harbeson DE	4.22
Hollywood	4.69
U of D Res Ctr Georgetown DE	4.74

above the 90 degree mark at many stations from the 23rd to the 27th. Temperatures rose to the 95 degree mark in portions of the following counties: Anne Arundel, Harford, and Baltimore City. Scattered mostly light showers occurred on the 27th and late on the 30th. The heaviest was 1.35" which fell at **Jug Bay Wetlands** in **Lothian**.

OBSERVER COMMENTS FOR JUNE 2003

Gary Gallaher of Bear 2 SW, DE

Wettest June with 8.94". Old record 8.50" set in 1972. First June with 3 days with =>1" of precipitation. Old record 2 days. 17 days with =>0.01" tied record set in 1972. The following maximum temperature frequencies were set: Greatest number of days with temperatures in the 60's with 7 and least number of days with temperatures in the 80's with 9. Record low barometric pressure (since 1992) for June of 29.28" on the 1st.

Nate Mullins of LaVale

3rd - Steady soaking rain lasting the entire day.

Dave Bryant of St Margarets

By the 12th much warmer and very humid with dew points 70 to 73 degrees.

Dan Hanson of Millersville 1 SE

Records set this month include the wettest June with 9.28" of rain (old record 8.25" set in 1996), the coolest mean temperature with 69.4 (old record 70.1 set in 1985) and 16 days with rain.

Jeff Stoudt of Laurel 2 E

7th - Rain, heavy at times, mostly daybreak to noon.

11th - Strong evening thunderstorm.

30th - Very noisy thunderstorm W-SW very late evening into predawn of 7/01.

Al Kreinik of Parkton 5 SW

11th - Heavy evening lightning to SW.

Joe Manfre of Baltimore 2SE

1st - Partly cloudy, very windy.

23rd & 24th - Sunny, hot, low humidity.

Marty Sharrow of Owings Mills

9th - Early clouds, them clearing, breezy, and warmer.

26th - Hazy, hot, and humid.

27th - Very warm and humid; cooler at night.

Herb Close of Manchester 1 SW

Second coldest and second wettest June in station history .

Ralph Hartsock of Westminster 4 SSE

2nd - Cold start, sunny and mild.

7th - Heavy rains till 2 PM.

21st - First day of summer, but who would know it. 75 max and 55 min.

Greg Klein of Westminster 5 SSE

Ninth month in a row with below normal temperatures.

Bobby Miller of Millers 4 NE

Wettest June, 6.87", of 22 on record. Old record 6.46" set in 1982. Record low June barometric pressure of 29.31" on the 1st.

11th - Vivid lightning SW-S in evening.

Manuel Farfan of Frederick 4 N

3rd - Overcast all morning with rain most of the day, sometimes moderate to heavy, fog later.

22nd - Rain overnight, periods of sun and warmer.

Lynn Albright of Fallston 2 NW

12th & 13th - Heavy rainfall caused some flash flooding here in Harford Co.

30th - Storms in our area (swift moving, but packed a punch) resulted in numerous trees and wires down, and power outages for our area.

Rich Giannola of JHU/APL OF Laurel

1st - 29.36" - Minimum barometric pressure for the month

Rob Cohen of Potomac 4 N

Wettest June on record (25 years) of 8.44".

30th - Thunderstorm 11PM to 12:30AM of 7/1/03.

Rich Giannola of Olney 1 S

11th - Thunder heard 8:20 PM, winds picked up suddenly at 8:59 PM. TSRA+ began 9:05 PM, ending 10:15 PM.

Stan Rossen of Glenmont 1 NNE

7.32" a new June precipitation record. Old record 7.10" set in 1979.

4th - 58 max temp is the latest maximum below 60 degrees.

Kevin Shaw of Gaithersburg 2 WNW

Cool, wet month, lots of rainy days, but not as many as May. Average maximum temperature of 78.8 was the second coolest for June - coolest 78.3 set in 1982.

4th - Max temp of 58 broke the daily low max of 66 set in 1988, but 2 degrees above the June record low max of 56 set on June 3, 1997.

Joe Terry of Forest Glen

11th - Warmest day since April 16th. Strong evening thunderstorm with some close lightning.

19th - Evening thunderstorm with heavy rain shower-power out for 65 minutes.

24th - Finally two back to back clear days.

Bill Hudelson of South Bowie

3rd - Occasional light rain and drizzle.

27th - Hazy - Thunderstorm 1515 hours with heavy rain.

30th - Scattered cloudy, hazy, hot, thunderstorm NW 2350 hours.

Brian Smith of Oxon Hill

27th - 0535-0552 Venus girdle. Borderline SVR TSRA 1422-1550: rotten tree downed 2 blocks west.

30th - 2300 and later LTG DSNT NW: SVR TS in Montgomery Co. moving SE.

Floyd Abell of Hollywood

5th - Thunderstorm before dawn, then fair day.

19th - AM rain, afternoon sun, late evening rain.

John Zyla of Ridge

Record station rainfall of 7.84". Also the wettest recorded in St. Marys county dating back to 1861.

Greg Keefer of Hagerstown 1 E

7th wettest June with 7.99". Record is 11.57 in 1928.

2nd - 42 degrees very close to record low of 41 for date.

5th - Dense fog overnight and this morning.

23rd - Sunny and very warm with a high of 87. This was the first time we had this much sun in one day in 55 days.

Jim Vaughn of Smithsburg 2 NE

Second wettest June. Two month precipitation (May/June) total the third greatest for any two consecutive month on record.

12th - Funnel cloud 1.5 mile west, 1/4" hail. Wind gust of 56 mph. Minor damage.