



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

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

WARMTH FROM MARCH CONTINUES

Above average temperatures which began in March continued into April. The warmest temperatures occurred during the first half of the month. There was no unusual cold this month. Freezing temperatures were far and few between. Precipitation was below average. The driest area was in Western Maryland, and in portions of the Washington / Baltimore region eastwards thru the Delmarva Peninsula. No snow was reported in Maryland and Delaware.

The warmest temperatures during the first three days occurred in Western Maryland where 80's were observed. **Nate Mullins of LaVale** reported 86° on the 2nd.

80's covered most of the region on the 5th. Summer-like temperatures of 90°+ occurred west of the Chesapeake Bay on the 6th and 7th south of a line from Baltimore to LaVale. This was the earliest a 90° reading occurred at NWS Washington D. C. National Airport since 1942. At Hagerstown, where records date back over 100 years, **Greg Keefer** reported that the 92° on the 6th broke the record for the earliest 90° that was set on April 16, 2002.

Scattered fast moving thunderstorms ended the heat on the evening of the 8th. **Greg Keefer of Hagerstown 1 E** reported a wind gust of 52 MPH along with some downed trees in the north end of Hagerstown. **Marty Brumback of Bryans Road 2 ESE** and **John Zyla of Ridge** both reported 1.00" of rain on the 8th and 9th.

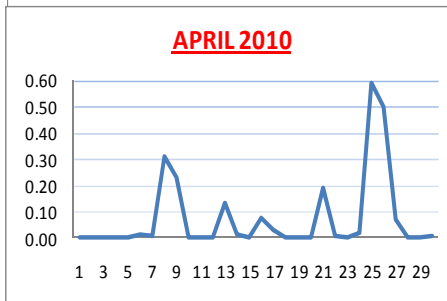
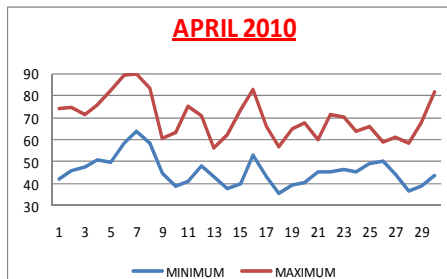
Windy and much cooler weather followed. Maximum temperatures were generally in the 50's and 60's on the 9th and 10th. Temperatures briefly rose into the 70's on the 11th after a chilly morning with temperatures in the 30's and 40's. A cold rain fell on the 13th. Rainfall amounts were generally less than a quarter of an inch. Temperatures rose back into the 80's again on the 16th. Late on the 16th scattered showers and thunderstorms along with winds gusting into the 40's and 50's ushered in much cooler temperatures.

From the 17th to the 28th maxi-

imum temperatures were generally in the 60's with the exception of 70's on the 22nd and 50's on the 18th, 25th and 26th. Minimum temperature were generally in the 40's except for the 18th, 27th to the 29th when 30's were common.

After a fairly dry first three weeks showers and thunderstorms brought upwards of 2" of rain that fell on the 25th and 26th. **Marty Sharrow of Owings Mills** reported 0.75" hail stones in a thunderstorm on the 25th along with a two day total precipitation of 2.05".

The month ended as it began: chilly morning and a warm afternoon.



ACON MD/DE Network

Daily average temperatures and precipitation based on observation times, not calendar days.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

| | |
|----------------|----|
| Baltimore 2 SE | 94 |
| Glenmont 1 NNE | 94 |
| Forest Glen | 94 |
| 5 Stations | 93 |

MINIMUM TEMPERATURE

| | |
|-------------------|----|
| Davis 3 SE WV | 25 |
| Frostburg | 30 |
| Millers 4 NE | 30 |
| Smithsburg 1.5 SW | 30 |
| 3 Stations | 31 |

WARMEST AVG. TEMP.

| | |
|----------------|------|
| Baltimore 2 SE | 61.4 |
| Oxon Hill | 60.7 |
| Ridge | 60.6 |

COLDEST AVG. TEMP.

| | |
|-----------------|------|
| Davis 3 SE WV | 48.7 |
| Frostburg | 53.2 |
| Manchester 1 SW | 55.2 |

MAXIMUM PRECIPITATION

| | |
|-------------------|------|
| Middletown 6 N DE | 3.39 |
| Smithsburg 1.5 SW | 3.12 |
| Clarksburg 2 ENE | 2.97 |

MINIMUM PRECIPITATION

| | |
|----------------------|------|
| Georgetown DEOS 5 SW | 1.38 |
| Bethesda | 1.39 |
| Jug Bay Wetlands | 1.54 |

MAXIMUM SNOWFALL

| | |
|--------------------|-----|
| Davis 3 SE WV | T |
| All other stations | 0.0 |

Importance of Quality Data:

Data provided by **Marty Brumback of Bryans Road 2 ESE** was instrumental in Charles County's successful appeal to FEMA for Public Assistance funds to assist in the recovery from the December 2009 severe winter storm.

Weather Party:

At the home **Herb Close of Manchester 1 SW** Saturday, July 17. Details to follow.

Long time weather observer **Floyd Abell** of **Hollywood, Maryland**, passed on Friday, May 7, 2010. A memorial section for Floyd will appear in the May ACON issue. If anyone who would like to send us your memories of Floyd please submit them to Gary Gallaher or Kevin Shaw.

OBSERVER COMMENTS FOR APRIL 2010

Gary Gallaher of Bear 2 SW, DE

5th, 6th, & 7th - Record high temps each day. Warm temps rapidly forced trees to leaf which quickly created heavy pollen.

14th - Frozen dew on car. Dense fog before dawn.

25th - Thunderstorm. Pea size hail reported ~5 miles south of station.

28th - Light frost, record low temperature.

Greg Latta of Frostburg

17th & 26th - Thunder during the past 24 hours ending @ obs.

Nate Mullins of LaVale

6th & 7th - Record heat each day of 92°. It was the earliest ever 90 degree temperatures.

7th - Minimum of 69° was 1 degree shy of the April record of 70° set on 4/26/1990.

25th - Humid, PM heavy rain shower with thunder.

Jeff Stoudt of Laurel 2 E

25th - Thunderstorm after dusk with brief +TSRA.

Marty Sharrow of Owings Mills

14th - Early fog and frost.

25th - A severe thunderstorm dumped 3/4" hail along with a rainfall rate of 2 3/4" per hour.

Joe Manfre of Baltimore 2SE

6th - Partly cloudy, low humidity, hot.

25th - PM thunderstorms.

Herb Close of Manchester 1 SW

This April was only the 6th in 20 years where no snow fell.

Ralph Hartsock of Westminster 4 SSE

9th - Rain overnight, clear, colder and windy.

19th - Morning frost then sunny and mild.

25th - Heavy evening thunderstorms with hail.

Bobby Miller of Millers 4 NE

Boring month weather wise, dry with no snow.

6th, 16th, & 25th - Thunder each day.

Ray Muller of Westminster City

16th - Thunderstorm with cloud to cloud and cloud to ground lightning moved west to east.

25th & 26th - Showers and thunderstorms produced periods of heavy rainfall.

28th - Scattered frost outside the city but none in the city.

Eric Glass of Emmitsburg 2 SE

5th - Sunny, pleasant.

10th - Sunny, cold, and breezy.

14th - Foggy, cloudy, light winds, cold.

Rob Cohen of Potomac 4 N

April temperatures averaged 3.7° above normal. The first 15 days averaged 5.2° warmer than the last fifteen days.

5th, 6th, & 7th - Record warmth.

7th & 25th - Thunder.

Rich Giannola of Laurel JHU / APL

14th - Morning fog burnt off by 8 AM.

22nd - Morning fog burnt off by 8:30 AM.

Rich Giannola of Olney 1 S

6th, 8th, 25th & 26th - Thunder each day.

Richard Holden of Clarksburg 2 ENE

6th, 8th, 16th & 25th - Thunder

25th - Pea sized hail.

Stan Rossen of Glenmont 1 NNE

6th - Brief light shower around 5:35 AM EST.

8th - Breezy afternoon, thunder was first heard at 6:55 PM EST. The barometer shot up from 29.60" at 6:57 PM EST to 29.67" at 7:07 PM EST.

Kevin Shaw of Gaithersburg 2 WNW

Second warmest April and the driest since 1999. This was the first April without freezing temperatures. Barometric pressure extremes were 30.60" (14th) and 29.20" (26th).

5th, 6th, 7th, & 30th - Record high temperatures each day.

6th & 8th - Record high min temperatures each day.

6th - Sunny, hot, AM clouds.

25th - Record daily precipitation.

Joe Terry of Forest Glen

A warm, dry month with no major storm events of any kind.

6th - Earliest 90° in the season in 15 years of records.

7th - 16% minimum relative humidity and breezy conditions made the 94° actually tolerable, but by midnight it was an unbelievable 80°.

8th - Evening weak thunderstorm. The downdraft produced a very impressive 50% increase in relative humidity in only 10 minutes along with a 10° temperature fall.

Brian Smith of Oxon Hill

8th, 25th, & 26th - Thunder.

John Zyla of Ridge

4th - Beautiful day!

26th - Two thunderstorms.

Max Hutto of Smithsburg 1.5 SW

1st - Cold AM (35°) but very warm PM (80°).

30th - Sunny, much warmer, AM 38°, PM 85°.

Greg Keefer of Hagerstown 1 E

4th warmest April. Record is 57.0° set in 1994.

5th - Tied record high of 84° set in 1910.

6th - Record high of 92° also set a record for the earliest 90 reading in the season. Old record earliest date was April 16 set in 2002.

7th - Record high. Humidity down to 17%.

Jim Vaughn of Smithsburg 2 NE

4th warmest April.

6th & 7th - Record high maximum & minimum temps.

27th - Tied record low maximum temperature.

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.