



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

EASTER WEEKEND SOUTHERN SNOW- STRONG MID MONTH NORTHEASTER

Cold, wet April. The month began and ended with warm temperatures but the middle portion was quite cold for April. Below are some notable events from local National Weather Service Offices:

Baltimore - 5th to 12th average temperature 44.2°, coldest observed for this time frame.

Washington (Reagan) - 5th to 12th average temperature 44.3°, coldest since 1907. First measurable April snow since 1972.

Wilmington DE - Wettest April on record 8.55". Heaviest April daily rain 4.36"

April began mostly cloudy with a few light showers. Thunder was observed late at night or early on the morning of the 2nd in portions of north central Maryland as a warm front moved north. Temperatures rose rapidly on the second to the mid 70's and lower 80's. **Brian Smith** of **Oxon Hill** reported 85 while **Marty Brumback** of **Bryans Road 2 ESE**, **Joe Terry** of **Forest Glen**, and **Floyd Abell** of **Hollywood** each recorded 83 degrees.

Early morning rain and thunderstorms occurred on the 4th. One inch amounts fell in Northern Delaware. A strong cold front ushered in much colder air late on the 4th. The cold blast lasted through the 11th.

Measurable snow fell early on the morning of the 7th, the Saturday before Easter. 1" amounts fell south and east of Washington. **John Zyla** of **Ridge** measured 4.0", **Floyd Abell** of **Hollywood** 2.2", and **Brian Smith** of **Oxon Hill** 1.3". Salisbury NWS reported 1.0".

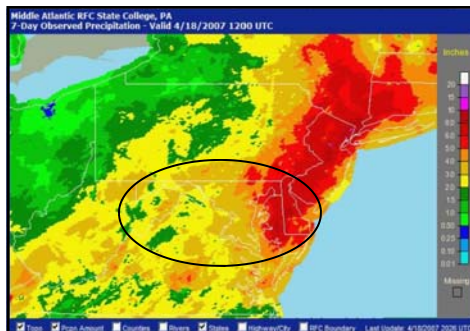
A cold heavy rain fell the morning of the 12th. Amounts were generally in the 0.50" to 1.00" range. Over one inch fell in Northern Delaware. Afternoon temperatures warmed up to between the mid 50's and mid 60's.

A strong coastal northeaster, brought record heavy rains, strong winds, and some snow from the 14th to the 16th. Small stream and urban flooding occurred in the eastern half of the region. Wilmington DE NWS reported a 60 mph wind gust. Wind gusts over 50 MPH or greater were reported by the following ACON observers:

- 59 **Jim Vaughn** of **Smithsburg 2 NE**
- 54 **Rich Giannola** of **Laurel JHU/APL**
- 53 **Ralph Hartsock** of **Westminster 4SSE**
- 53 **Gary Gallaher** of **Bear 2 SW DE**
- 52 **Greg Keefer** of **Hagerstown 1 E**
- 50 **Ray Muller** of **Westminster City**

The heaviest rains fell in Northern Delaware where storm totals ranged from 4 to 5 inches. **Gary Gallaher** of **Bear 2 SW DE** reported 5.05". Two to three inches fell from the Maryland mountains to the Chesapeake Bay. 2.50" plus rains was reported by the following ACON observers:

- 2.95" **Dan Hanson** of **Pasadena 3 SW**
- 2.79" **Marty Sharrow** of **Owings Mills**
- 2.67" **Jeff Stoudt** of **Laurel 2 E**
- 2.65" **Stan Rossen** of **Glenmont 1NNE**
- 2.62" **Joe Manfre** of **Baltimore 2 SE**
- 2.61" **Brian Smith** of **Oxon Hill**
- 2.59" **Lance Schaffer** of **Sterling 4 N**
- 2.52" **Rich Giannola** of **Olney**



Precipitation April 11-18
Maryland & DE inside oval. Orange/red 4" plus

10" of snow fell at Eagle Rock in the Western Maryland Mountains. Philadelphia PA NWS reported an April record low barometric pressure of 28.82".

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	89
Glenmont 1 NNE	89

MINIMUM TEMPERATURE

Davis 3 SE WV	11
Eagle Rock	14
Frostburg	19

WARMEST AVG. TEMP.

Oxon Hill	54.7
Hollywood	54.7

COLDEST AVG. TEMP.

Davis 3 SE WV	40.9
Eagle Rock	42.5
Frostburg	44.5

MAXIMUM PRECIPITATION

Bear 2 SW DE	8.67
UofD Townsend DE	8.48

MINIMUM PRECIPITATION

Bethesda	3.20
Owings Mills	3.32

MAXIMUM SNOWFALL

Davis 3 SE WV	27.8
Eagle Rock	17.6
Ridge	4.0

The last third of the month was much warmer. Maximum temperatures ranged from the 60's to 80's with minimums from the 40's to 50's.

The last rain event occurred from the 25th to the 28th. The heaviest fell on the 27th. Over 1 inch fell in Northern Delaware westwards into Carroll County Maryland. **Ralph Hartsock** of **Westminster 4 SSE** reported 2.52", **Greg Klein Westminster 5 SSE** 2.36" and **Al Kreinik of Parkton 5 SW** 2.01".

OBSERVER COMMENTS FOR APRIL 2007

Gary Gallaher of Bear 2 SW, DE

8.67" - Record wet April. Old record was 7.57" set in 1973.

15th - 4.39" of rain smashed the old monthly record of 2.16" set 4/2/2005. Storm total for the 14th - 16th is 5.05".

16th - Very windy, 53MPH peak gust from the west. Minimum barometric pressure of 28.88 is the lowest since March 1993. Upwards of 1" of wet snow fell in the extreme northern portion of Delaware, but only a Trace fell here.

Nate Mullins of LaVale

Coolest April since 1997 and the second coolest overall since records began in 1992.

2nd - Dense fog cleared by 9AM. Breezy with a high of 82.

16th - No snow accumulation here but substantial accumulations on nearby ridges.

Jeff Stoudt of Laurel 2 E

7th - Wet snow after midnight till near daybreak.

25th - Couple of brief very heavy showers 2005-2020.

Al Kreinik of Parkton 5 SW

11th - Heavy frost.

27th - Occasional heavy rain. Total 2.01"

Marty Sharrow of Owings Mills

6th - Lots of clouds, windy and cold.

21st - Sunny and pleasantly warm.

Joe Manfre of Baltimore 2SE

7th - Light snow early in the AM.

Greg Klein of Westminster 5 SSE

27th - Multiple early morning thunderstorms with frequent lightning dropped 2.52" of rain.

Ralph Hartsock of Westminster 4 SSE

16th - Peak wind gust 53 MPH. Snow showers.

27th - Heavy rain, mild, thunderstorms.

Bobby Miller of Millers 4 NE

4th - Thunderstorm 6:30 AM with heavy rain.

11th - Heavy frost.

15th & 16th - Strong winds late on the 15th and on the 16th. Peak wind gust 49 MPH at 2:09 AM on the 16th.

16th - Record minimum April Barometric pressure of 29.07".

Ray Muller of Westminster City

16th - Very windy. Peak gust 50 MPH from the NW.

Eric Glass of Emmitsburg 2 SE

16th - Cloudy, very windy.

Rebecca Harvey of Eagle Rock

17th - 8" of snow on the ground, max depth for the month.

Rich Giannola of JHU/APL

12th - Peak wind gust 43 MPH from the west at 5:08 PM

15th - Peak wind gust 47 MPH from the NW at 11:09 PM

16th - Peak wind gust 54 MPH from the west at 11:42 AM

16th - Minimum barometric pressure 29.15"

17th - Peak wind gust 40 MPH from the WNW at 1:45 AM.

Rob Cohen of Potomac 4 N

7th - Light snow 3 to 7AM. 0.5 inches fell.

Rich Giannola of Olney 1 S

7th - Early morning snow ended before dawn. Total 0.5"

Stan Rossen of Glenmont 1 NNE

4th - Predawn thundershower.

7th - Light snow 0025 to 0510 hours. Total 0.8".

27th - Thundershower pre-dawn and late evening.

Kevin Shaw of Gaithersburg 2 WNW

7th - 42° tied 1982 for the lowest max for the date.

9th - 25° new minimum for the date.

11th - 27° new minimum for the date.

30th - 83° new maximum for the date.

Joe Terry of Forest Glen

4th - Several pre-dawn thunderstorms with lots of distant rumbles over a 2 to 3 hour period. By evening windy and cold. Sharpest relative humidity drop I've ever observed 85% to 45% in only 15 minutes around 2000.

7th - First April snow accumulation since 2000.

16th - Minimum barometric reading 29.14". 49 MPH wind from the west was the highest wind gust since 11/2003.

Brian Smith of Oxon Hill

7th - Snow 0100 to 0630. 1.3" fell.

15th - Ugly storm with rain and heavy rain till 1600. Rain showers 2000-2100.

Floyd Abell of Hollywood

7th - Record April snowfall totaling 2.2". Only time when 1" of snow fell during the month of April.

28th - Showers and fog till dawn. Evening sprinkles.

John Zyla of Ridge

7th - 4.0" of snow. First measurable April snow in station history (13 years)

16th - 28.97" lowest pressure in station history.

Max Hutto of Smithsburg 1.5 SW

16th - Cold, extremely windy (44 MPH WNW), lowest barometric pressure (29.16") since 3/8/2005.

Greg Keefer of Hagerstown 1 E

2nd - T'storm after midnight. Dense fog at sunrise.

12th - Rain, heavy at times, ending by 8 AM.

16th - Minimum barometric reading 29.18". Strong WNW winds gusting up to 52 MPH.

30th - Sunny and warm. WNW winds to 38 MPH.

Jim Vaughn of Smithsburg 2 NE

Second coldest April behind 49.6 degrees in 1997.

16th - 42° max broke the old daily minimum max of 50° set in 1996. Peak wind gust of 59 MPH. Minimum barometric reading of 29.17".

24th - 62° min temp smashed the previous max minimum reading of 54.

Lance Shaffer of Sterling 4 N VA

7th - 0.5" of morning snowfall.

Dave Leshner of Davis 3 SE WV

17th - 10" snow depth—Maximum depth of the month.

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.