



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

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

ROLLERCOASTER TEMPERATURES TWO PERIODS OF HEAVY RAIN

As with the other 2007-08 winter months this month was warm. Precipitation was above normal while snowfall was below normal.

Over an inch of rain fell east of the mountains on the first. Two inches fell at all ACON sites in Carroll County and at some stations around metropolitan Washington DC.

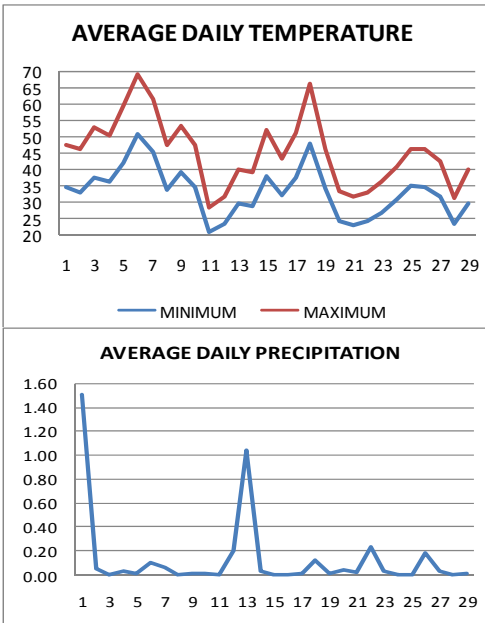
The above normal temperatures intensified until 70° readings were observed on the 6th east of Carroll County and 60° readings from Carroll County westward.

The mild weather came to an abrupt end on the 10th. Strong W to NW winds gusting to 58 MPH ushered in much colder temperatures. Temperatures fell from the mid to upper 40's down to the teens by days end. Temperatures failed to rise above freezing on the 11th.

A sharp temperature contrast existed on the 12th as a storm moved into the region. Temperatures remained below freezing at almost all locations except near the Ocean where they rose from the teens to the mid 50's. Precipitation began as sleet and freezing rain on the 12th and changed to rain on the 13th. Ice accumulated to upwards of ¼". 1" plus liquid amounts were common across the region.

Short lived unseasonal warmth in the 60's and 70's briefly returned on the 18th. Below normal temperatures returned on the 19th and remained till the 24th. Almost all of the months snow fell on the 20th and 22nd. One to two inch amounts were common on each day.

For detailed comments from observers see Observer Comments on page 2.



ACON MD/DE Network

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



February 20 Snowfall

Photo by Marty Brumback of Bryans Road 2 ESE

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Hollywood	76
Jug Bay Wetlands	75
Ridge	75

MINIMUM TEMPERATURE

Eagle Rock	-8
Davis 3 SE WV	-3
Frostburg	-1

WARMEST AVG. TEMP.

Hollywood	41.7
Ridge	41.6

COLDEST AVG. TEMP.

Davis 3 SE WV	26.7
Frostburg	27.3
Eagle Rock	28.8

MAXIMUM PRECIPITATION

Davis 3 SE WV	6.23
Millers 4 NE	5.60
Manchester 1 SW	4.97

MINIMUM PRECIPITATION

Emmitsburg 2 SE	2.24
Pasadena 2 N	2.61

MAXIMUM SNOWFALL

Davis 3 SE WV	44.0
Eagle Rock	37.6
Frostburg	15.9

MINIMUM SNOWFALL

Potomac 4 N	0.1
Jug Bay Wetlands	0.2
Laurel 2 E	0.2

Observer Comments Cont. from Page 2

Jim Vaughn of Smithsburg 2 NE

Six days with PWG of 50 mph or higher.
6th - Winds gust of 50 MPH. Min temperature of 53 tied the months high min temp set 2/24/1985.

Lance Shaffer of Sterling 4 N VA

3rd - Frosty, cloudy morning. Warm afternoon.
20th - Snow burst 4:15 PM.

Dave Leshar of Davis 3 SE WV

6th & 18th - Only days without any snow on the ground
28th - Maximum months snow cover of 11 inches

OBSERVER COMMENTS FOR FEBRUARY 2008

Gary Gallaher of Bear 2 SW, DE

11 days with peak wind gusts greater than 30 mph.

1st - Heavy, daytime rain.

22nd - "Sugar" like texture snow before changing to FZRA.

Greg Latta of Frostburg

10th - Thunder at 4:20 AM

13th - Hoar frost on trees.

Nate Mullins of LaVale

1st - Some heavy rain and sleet. Light ice/sleet accumulation.

6th - Mid-evening thundershower.

26th - Periods of rain mixed with freezing rain.

29th - Light to moderate steady PM snow. First Leap Day with measureable precipitation since records began in 1992.

Jeff Stoudt of Laurel 2 E

1st - -RA & +RA from before dawn till ~ 1600.

12th - -FZRA late afternoon, began as -PL.

20th - -SN during afternoon; 2" - 4" a few miles east.

Marty Sharrow of Owings Mills

1st - AM freezing rain, then heavy rain and milder.

11th - Azure blue skies, windy and frigid!

23rd - Overcast, haze, fog, raw.

Joe Manfre of Baltimore 2SE

10th - Partly cloudy, very windy, mild, few light showers.

22nd - Light snow, then sleet, freezing rain and rain.

28th - Variable clouds, windy, cold.

Greg Klein of Westminster 5 SSE

12th - Snow early morning into early afternoon, some sleet and freezing rain afternoon and evening.

22nd - Snow early morning hours, then some freezing rain during the day.

Ralph Hartsock of Westminster 4 SSE

1st - Heavy rain, began as freezing rain ended ~ 5PM. Some flooding.

7th - Thunderstorms, windy, clearing, and colder.

Bobby Miller of Millers 4 NE

6th - Thunderstorm passed south at 10:30 PM.

10th - PM flurries strong winds, tree down nearby. Power out 9:15 PM to 8:30 AM on the 11th.

13th - 1/4" glaze AM, extended period rain PM.

Marty Brumback of Bryans Road

20th - Snow 3PM to 6PM.

Eric Glass of Emmitsburg

1st - Rain and ice.

28th - Clear, sunny, very cold.

Rebecca Harvey of Eagle Rock

10th - Thunder

22nd - Max snow depth for the month of 10".

Rich Giannola of JHU/APL

5th - Morning fog lifting by 10 AM.

12th - -SN 1045 to 1115. FR mid afternoon into evening.

13th - Morning freezing rain changing to rain by 8 AM.

22nd - Snow, freezing rain and rain today.

Rob Cohen of Potomac 4 N

10th - Strong winds, colder during the day.

12th - AM flurry, light freezing rain, & afternoon sleet.

Rich Giannola of Olney 1 S

9th - First crocus bloomed.

12th-13th - SHSN before 6:30AM on 12th = T. -SHSN in late morning = T. FZDL at 2:30PM. PL and FZRA at 3:30PM, ending by 4:30PM. FZRA in evening, continuing into morning on 13th and changing to RA before 8:00AM. (Lost power on **13th** for 5.5 hrs from 4:30 -10:00AM.)

Stan Rossen of Glenmont 1 NNE

29th - All I got were a few evening sprinkles, so Feb. 29 remains for another four years as the only date here without measurable prec. The old record goes back to 1984 when a few flurries fell here briefly. Another record still holds for Feb. 29 here and that is never having a min. temp. above 32°.

Kevin Shaw of Gaithersburg 2 WNW

1st - The 1.81" amount was a daily record, and the 2nd wettest day ever for the month.

6th - Record maximum temp of 68°. Mostly cloudy, unseasonably mild, occasional sprinkle, light rain shower late PM.

Joe Terry of Forest Glen

10th - Surprise rain/snow shower mix around dawn with gusty winds. Fiery red sky to the east and a faint rainbow west a few minutes before sunrise. Very windy and mild temperature through early afternoon, then sharply colder
12th - IP mid afternoon, then periods of freezing rain late (1/10th inch accumulation of ice). Moderate to heavy freezing rain into early on the **13th** with another light accumulation of ice, gradually changing to rain before dawn.

Brian Smith of Oxon Hill

20th - -SN, Occasional Snow 1200-2000

22nd - -SN/-PL began 0100 -> -FZRA ~0300; -RA by 0800, intermittent through 1500.

Floyd Abell of Hollywood

14th - Snow before dawn, then fair.

18th - Showers before dawn, variable clouds, windy.

22nd - AM freezing to about 10 AM. Afternoon and evening drizzle and fog.

John Zyla of Ridge

11th - Temperature dropped to a seasonal low of 17°.

Max Hutto of Smithsburg 1.5 SW

10th - Extremely windy mostly PM, minor damage to residence. Showers, falling temperatures.

29th - Cold AM, PM warmer and cloudy, very windy, evening rain showers.

Greg Keefer of Hagerstown 1 E

6th - Record high of 65 set in 1965 tied. Quick moving evening thunderstorm between 9:30 and 10 PM dropped 0.39" in 6 minutes along with winds gusting to 44 MPH.

11th - Sunny but very cold and windy. Winds gusting to 36 mph. Wind chills to -6 this morning.

23rd - A little freezing drizzle and fog overnight.

Continued on Page 1

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.