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

VERY WARM 1st HALF, SEASONAL COLD 2nd HALF

The above normal temperatures which began in late November persisted through the middle of January. Temperatures that averaged a dozen degrees above normal during the first half of the month. The NWS stations at Wilmington, DE, Baltimore Maryland, and at Washington DC's National and Dulles Airports all set daily maximum temperature records on the 6th when temperatures rose into the lower 70's. Through the 16th Washington National (DCA) recorded its second warmest start behind only by 1950. Temperatures the second half of January averaged a few degrees below normal.

Precipitation was below normal this month. Nearly all of the month's precipitation fell during the first 8 days. Snowfall was well below normal. The first measurable snowfall of the season fell late in the third week at many stations. Persistent west to northwest winds and frequent re-enforcement of cold air brought snow flurries, and or squalls during the last 14 days of the month.

Heavy rain fell on New Years day. Rainfall amounts of an inch or more was common. The heaviest rain fell in St. Marys County Maryland, and Delaware. **John Zyla** of **Ridge** recorded 2.39", **Floyd Abell** of **Hollywood** 2.09" and **Gary Gallaher** of **Bear 2 SW DE** 1.75". Mild afternoon and cool mornings followed from the 2nd to the 4th. The warmest temperatures of the month occurred on the 4th and 5th when maximum temperatures rose into the 60's and the 6th when 70's were common. The warmest reported by ACON observers was 76 by **Joe Manfre** of **Baltimore 2 SE**, and 74 by **Marty Brumback** of **Bryans Road 2 ESE**, **Brian Smith** of **Oxon Hill**, and **Floyd Abell** of **Hollywood**.

The first seasonably cold air since December 8th moved into the region for the 10th and 11th. Tempera-

tures were slightly below normal. Maximum temperatures were generally in the mid 30's to lower 40's. The only sub freezing maximum temperatures occurred from Frostburg westwards. The coldest minimum reported was 10 degrees by **Rebecca Harvey** of **Eagle Rock**.

By the 13th unseasonably warm air returned. Minimums in the 50's was common on the 14th and 15th. The highest minimum temperatures were 61 by **John Zyla** of **Ridge**, 60 by **Floyd Abell** of **Hollywood**. In the Maryland mountains **Rebecca Harvey** of **Eagle Rock** observed a minimum of 50 on the 14th and 52 on the 15th.

Winter finally arrived on the 16th. Temperatures fell from around 60 before dawn to below freezing by midnight. **Greg Keefer** of **Hagerstown 1E** and **Jim Vaughn** of **Smithsburg 2 NE** each reported a 45 MPH gust. The cold remained for the balance of the month.

The 21st saw temperatures below freezing and the first general snowfall of the season. Amounts were light. The heaviest amounts fell in the Washington DC region where amounts of 1 to 2 inches were common. The heaviest reported was the 2.1" at **Bryans Road 2 ESE** by **Marty Brumback**. Snow showers and squalls fell on the 25th. Amounts were generally only a trace to a few tenths of an inch. One inch amounts were reported by **Nate Mullins** of **LaVale**, **Marty Sharrow** of **Owings Mills 2 SE** and **Herb Close** of **Manchester 1 SW**. In the Maryland mountains **Rebecca Harvey** of **Eagle Rock** reported 6 inches on the 26th.

A short period of mild temperatures moved into the region mid day on the 27th and lasted to mid day of the 28th. Temperatures on the 27th was generally in the 50's. The temperatures rose to 61 in St Marys County (**Floyd Abell** of **Hollywood** and **John Zyla** of **Ridge**) and 60 degree in Charles County

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	76
Jug Bay Wetlands	74
Bryans Road 2 ESE	74
Oxon Hill	74
Hollywood	74

MINIMUM TEMPERATURE

Eagle Rock	0
Davis 3 SE WV	0
Frostburg	4

WARMEST AVG. TEMP.

Baltimore 2 SE	43.8
Ridge	43.0

COLDEST AVG. TEMP.

Davis 3 SE WV	27.4
Eagle Rock	30.0

MAXIMUM PRECIPITATION

Davis 3 SE WV	7.27
Ridge	4.88
Hollywood	4.51

MINIMUM PRECIPITATION

LaVale	1.29
Smithsburg 2 NE	1.68

MAXIMUM SNOWFALL

Davis 3 SE WV	55.2
Eagle Rock	30.0
Frostburg	10.8
LaVale	3.5

(**Marty Brumback** of **Bryans Road 2 ESE**). Snow showers, flurries, and squalls returned on the 28th which lasted through the end of the month. Daily snowfall amounts east of the mountains were generally less than an inch. **Bobby Miller** of **Millers 4 NE** reported 1.2 inches on the 31st. **Greg Klein** of **Westminster 5 SSE** reported nearly an inch from an intense 20 minute squall the afternoon of the 30th.

OBSERVER COMMENTS FOR JANUARY 2007

Gary Gallaher of Bear 2 SW, DE

First 16 days averaged 13.8 degrees above normal while the last 15 days averaged 1.2 degrees below normal. Very dry conditions from the 9th to the 31st. Snowfall of a trace or more fell on 12 of the last 14 days. A trace or more of precipitation fell on 20 days breaking the record of 19 days set in 1979.

1st - Daily record precipitation of 1.75". Old record 1.11" set in 1976.

6th - Record max temp of 71. Old record 62 set in 1998.

6th - Min temp of 55 tied highest min temp for January.

15th - Record max temp of 63. Old record 60 set in 1995.

Nate Mullins of LaVale

1.29" - Driest January in 16 years of records.

4th - Sunny and mild 64 degrees.

15th - Cloudy and mild, 64 degrees. A bit of drizzle around noon. Temperatures began to drop during the evening.

16th - Cloudy and breezy, colder with occasional snow showers.

Jeff Stoudt of Laurel 2 E

1st - Rain into early afternoon.

6th - Showers before dawn.

18th - A little light rain and sleet.

21st - Afternoon snow; mixed precipitation evening.

Al Kreinik of Parkton 5 SW

11th - Heavy AM frost.

Marty Sharrow of Owings Mills

3rd - Frosty start, then sunny and milder.

20th - Morning snow squall.

22nd - Overcast, foggy, and raw.

30th - Afternoon snow showers.

Joe Manfre of Baltimore 2SE

3rd - Sunny, mild, breezy in mid afternoon.

25th - Snow showers in afternoon, then turning very windy and cold in PM.

Ralph Hartsock of Westminster 4 SSE

1st - Heavy rains ends early. - mild, cloudy, fog.

2nd - Clearing & cool, windy early.

10th - AM flurries, colder, windy, sunny.

26th - Bitter cold, breezy, some flurries.

30th - Afternoon snow squalls.

Greg Klein of Westminster 5 SSE

30th - Intense snow squall dropped nearly an inch of snow in 20 minutes starting at 3:45PM.

Bobby Miller of Millers 4 NE

5th - Periods of light rain and drizzle.

10th - Snow flurries 5 to 6 AM.

25th - Snow pellet shower before sunrise, PM snow shower.

Rebecca Harvey of Eagle Rock

31st - Snow depth 15".

Rich Giannola of JHU/APL

The average low temperature for the first half of the month (1st—16th) was 2 degrees greater than the average high temperature for the second half (16th—31st).

Rob Cohen of Potomac 4 N

6th - Morning minimum temperature 61 degrees.

21st - Light snow 1 to 7 PM, some light freezing drizzle later.

Rich Giannola of Olney 1 S

6th - Early morning rain, windy afternoon.

21st - Snow began 1 PM, changed to light freezing drizzle in evening.

Stan Rossen of Glenmont 1 NNE

23rd - Flurries overnight.

30th - Flurries day and evening.

Kevin Shaw of Gaithersburg 2 WNW

There were two distinct parts of this month, and a definite change in the mild pattern to a colder one occurring the second half of the month. 90% of the month's precipitation fell during the first half of the month.

6th - Daily record maximum and minimum temperatures broken today with 68 and 54.

Joe Terry of Forest Glen

5th - Unusually warm, 64 degrees at midnight.

6th - Dew points in the 60's.

21st - First measurable snow of the season. Snow during most of the afternoon, changed to ice pellets, then freezing rain / drizzle during the evening.

Floyd Abell of Hollywood

1st - Rainy day, heavy at times.

9th - Evening rain, sleet, and snow.

20th - Fair, windy at times.

28th - Very light rain to afternoon snow showers.

John Zyla of Ridge

9th - First snow of the season 8:23 to 8:57 PM accumulating 0.2" and melting soon.

Max Hutto of Smithsburg 1.5 SW

5th - Periodic rain showers, warm, windy.

22nd - Overnight freezing drizzle, PM flurries.

Greg Keefer of Hagerstown 1 E

1st - Rain before 6 AM. Strong winds evening gusting to 40 mph.

6th - Tied record max temp of 66 set in 1950, & 1998.

16th - Windy and colder. Winds gusted to 45 mph.

25th - Snow showers and squalls produced a dusting. Winds gusted to 51 mph in one squall around 2:45 PM.

30th - Heavy snow squall just after 5 PM produced 0.6" of snow, strong winds, and near zero visibilities for a brief time.

Jim Vaughn of Smithsburg 2 NE

Second least snowfall behind 0.6" in 2006

6th - Record daily max and min temps of 70 & 53 smashed the previous daily records.

Lance Shaffer of Sterling 4 N VA

27th Mild weather returned for a day.

Dave Leshner of Davis 3 SE WV

31st - 18" snow depth, maximum for 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.