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

COLD - NUMEROUS DAYS WITH SNOW BUT LITTLE ACCUMULATION

Temperatures this month were colder than normal for the first January since 2004. Precipitation was slightly below normal while snowfall was significantly below normal.

The New Year began sunny, windy, and cold. Maximum temperatures were in the lower 30's and minimums in the teens to lower twenties. From the 2nd to the 5th seasonal temperatures occurred.

The only major storm of the month occurred on the 6th and 7th. Rainfall amounts ranged from less than an inch in Southern Delaware and on the Lower Eastern Shore of Maryland to two inches along portions of the I-95 corridor. **Joe Terry of Forest Glen** reported 2.19", **Dan Hanson of Pasadena 2 N** 2.11", **Jeff Stoudt of Laurel 2 E** 2.10", **Stan Rossen of Glenmont 1 NNE** 2.08", **Ron Berger of Norbeck 1 S** 2.01" and **Gary Gallaher of Bear 2 SW DE** 2.00". Some freezing rain and glaze was reported west of I-95.

From the 8th to the 14th temperatures were slightly below normal. Light rain fell on the 10 & 11th.

The coldest air in at least 5 years began to pour into the region on the 15th. Single digit minimum temperatures occurred on the 16th and 17th. Maximum temperatures failed to rise above 20° across the entire region on the 16th but failed to rise above zero in **Davis 3 SE WV**. On the 17th below zero readings were observed at scattered locations from Maryland's Lower Eastern shore into Central Maryland. From Carroll County westwards many locations reported sub-zero readings. The following observers reported the coldest sub-zero readings: **Dave Leshner of Davis 3 SE WV -15°**, **Rebecca Harvey of Eagle Rock -14°**, **Greg Latta of Frostburg -9°**, **Max Hutto of Smithsburg 1.5 SW -4°**, **Ralph Hartsock of Westminster 4 SSE -3°**, **Bobby Miller of Millers 4 NE** and **Herb Close of Manchester -2°**, **Jug Bay Wetlands at Lothian -1°**, and **Greg Keefer of Hagerstown 1E -1°**.

The cold air moderated some but remained for the remainder of the month. There were three brief periods when the temperatures warmed: the 18th when temperatures rose into the mid 30's, the 22nd to 24th when maximums were in the 40's and 50's and the 28th to 30th where temperatures rose to the upper 30's to the lower 40's except in Sussex County Delaware and Maryland's Lower Eastern shore where temperatures rose to 60's on the 28th.

Brief intense snow showers on the 19th caused a 42 vehicle accident with two fatalities on I-70's South Mountain. Nearby ACON observers **Max Hutto of Smithsburg 1.5 SW**, **Jim Vaughn Smithsburg 2 NE** and **Greg Keefer of Hagerstown 1 E** each reported 2.0 to 2.2 inches of snow.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Georgetown 5 SW	61
Harbeson 8 S	60
Jug Bay Wetlands	58

MINIMUM TEMPERATURE

Davis 3 SE WV	-15
Eagle Rock	-14
Frostburg	-9

WARMEST AVG. TEMP.

Ridge	33.5
Hollywood	32.3
Baltimore 2 SE	31.8

COLDEST AVG. TEMP.

Davis 3 SE WV	19.4
Frostburg	21.1
Eagle Rock	21.2

MAXIMUM PRECIPITATION

Davis 3 SE WV	9.94
Eagle Rock	5.01
Frostburg	3.32

MINIMUM PRECIPITATION

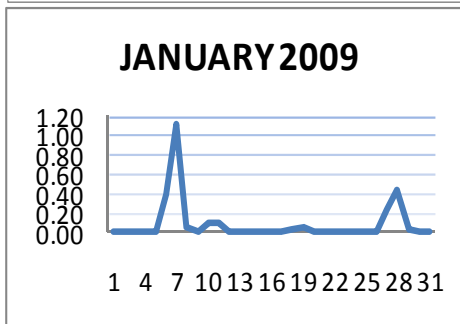
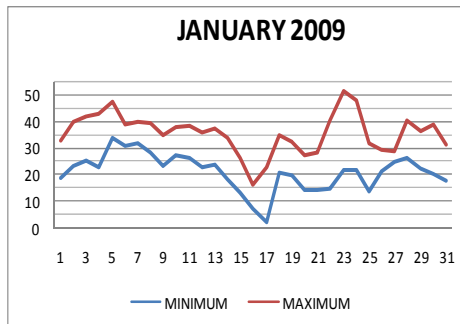
Emmitsburg 2 SE	1.67
Ridge	1.75

MAXIMUM SNOWFALL

Davis 3 SE WV	64.2
Eagle Rock	35.8

MINIMUM SNOWFALL

Emmitsburg 2 SE	1.0
Pasadena 2 N	1.5



ACON MD/DE Network

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

The heaviest and first significant snowfall of the season occurred on the 26th and 27th. 1½ to 2 inches fell across the majority of the region before turning to sleet and freezing rain and ended as rain. The freezing rain put a hard crust on the snow cover. Liquid amounts for this event averaged ½ to ¾ inch.

OBSERVER COMMENTS FOR JANUARY 2009

Gary Gallaher of Bear 2 SW, DE

Constant cold, numerous flurries. Only one snow event but it turned into freezing rain.

15th-17th - Temps remained below 20 degrees for 50 hours.

28th - 1/4" glaze on top of nearly 2" of snow put a hard crust on the snow cover.

Jeff Stoudt of Laurel 2 E

6th-7th - PL (sleet) ~ 0100, then periods of RA evening with some FR on the 6th and periods of rain till mid evening of the 7th.

Marty Sharrow of Owings Mills

1st - Sunny, brisk, chilly.

7th - Morning ice, afternoon rain, some, raw.

16th - AM flurries, partly cloudy, windy, and frigid.

27th - Snow to wintry mix and cold.

Joe Manfre of Baltimore 2SE

16th - Partly cloudy, very cold, breezy in the afternoon.

19th - Occasional light snow

24th - Cloudy, mild in AM. A few snow showers, turn colder and windy in the afternoon.

Ralph Hartsock of Westminster 4 SSE

3rd - Sunny and chilly.

7th - Freezing rain to rain, moderate to heavy, some tree damage.

19th - Light snow on and off, convective type showers.

24th - Sunny and warmer.

28th - Snow > sleet & freezing rain then rain. High winds late.

Bobby Miller of Millers 4 NE

7th - Up to 1/4" glaze at 7 AM.

16th - Clear, near 100% sunshine. PM max 13°. 2°@1159PM

23rd - Warmest since 12/28. Increasing mid afternoon clouds.

28th - PL, 1/8" glaze early then light rain and wind.

Ray Muller of Westminster City

17th - Very cold as temp slipped to 1° at 0600.

23rd - Sunny, pleasant day as temp climbs to 55 by 1430.

Marty Brumback of Bryans Road 2 ESE

27th - First measurable snow of the season.

Eric Glass of Emmitsburg 2 SE

16th - Clear, sunny, windy, very cold.

19th - Lots of hazy clouds.

Rebecca Harvey of Eagle Rock

11th, 28th & 30th - Glaze.

31st - 14" snow on the ground—maximum for the month.

Rich Giannola of JHU/APL

7th - 29.16" Minimum barometric pressure for the month.

16th - 30.60" Maximum barometric pressure for the month.

19th - Light snow during the day.

28th - -FZRA and -FZDZ in morning to DZ and RA in afternoon. PWG 40 mph west at 6:52 PM.

Rob Cohen of Potomac 4 N

16th - 16° Coldest maximum temperature since 2/14/1996.

17th - 3° Coldest minimum temperature since 1996.

28th - 1/8" to 1/4" glaze.

Richard Holden of Clarksburg 2 ENE

6th, 7th, 11th, 12th - Glaze

Rich Giannola of Olney 1 S

6th & 7th - 6th- Cold RA and DR throughout day with temperature dropping during the day and hovering ~32° for the evening. 7th - RA and FZRA in the morning. Trees glazed over but roads were ok. Nearby transformers blowing in evenings of the 6th & 7th.

27th-28th - Light snow began before dawn of the 27th. PL began by 7:55 PM and changed to FFRZA and FZDL overnight into the 28th. FZDL in morning becoming DZ and RA in the afternoon of the 28th.

Stan Rossen of Glenmont 1NNE

17th - Coldest minimum temp since -5 on 2/6/1996.

Kevin Shaw of Gaithersburg 2 WNW

3rd - Sunny, seasonal temperatures.

15th - Cloudy, overnight flurries.

16th - Sunny, very cold. Below zero wind chills.

20th - Partly cloudy, cold, windy at times for Obama Inauguration day.

Joe Terry of Forest Glen

6th - Rain changed to freezing rain by early evening and accumulated lightly on most above ground objects but changed back to rain just before midnight.

27th - First 1"+ snowfall of the season, the latest date for the first inch since the winter of 1994-1995.

Brian Smith of Oxon Hill

27th - -SN 0600-1400, 0.17" 2.4" snow. Wintry mix 1600-2300, 0.2" more snow.

Floyd Abell of Hollywood

27th - Snowy morning, afternoon flurries, evening freezing rain.

John Zyla of Ridge

17th - 9° Coldest since 2003 when it was 8°.

28th - Heavy fog 7 AM to 5 PM, then rain.

Max Hutto of Smithsburg 1.5 SW

17th - Extremely cold, low of -4, windy, PM flurries.

23rd - Mostly sunny, warmer, windy.

24th - High at midnight. AM snow squall, colder throughout day, windy.

Greg Keefer of Hagerstown 1 E

15th - Light snow, 0.8", 2 AM—5 AM.

19th - 2" of snow fell between 10 AM and 2 PM. Falling evening temperatures into the teens.

Jim Vaughn of Smithsburg 2 NE

This was the first month on record with no daily or monthly weather records set or tied.

15th—31st - At least a trace of snow on the ground.

Lance Shaffer of Sterling 4 N VA

28th - Thick ice to chop from my truck this morning.

Dave Leshner of Davis 3 SE WV

21st - 16" snow cover - Maximum for the month.

28th - 2.8" max water equivalent of snow cover.

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.