



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

NOVEMBER DRY, SUNNY, AND WARM

November 2001 went into the record books as being one of the warmest on record and one of the driest especially in the southeast portion of the region. "Boring" was a word used by some observers to describe this month's weather. Another term which describes this month's weather was "beautiful". The first two thirds of the month saw many more sunny and warm afternoons without any rain than normal. Along with October's sunny dry weather this fall was one of the nicest in memory.

TEMPERATURE

There were three periods this month where temperatures rose in to the 70's, - the beginning, middle and the end. The warmest temperatures occurred on the 2nd. A few ACON stations hit the 80 degree mark - **Joe Manfre of Baltimore 2 SE, Jug Bay Wetlands at Lothian, Stan Rossen of Glenmont 1 NNE,** and **Joe Terry of Forest Glen.**

Some stations with long periods of record reported one of their warmest Novembers of record. According to the National Weather Service Washington reported its warmest on record, Washington Dulles its second warmest, Baltimore BWI its fourth warmest and Wilmington DE its sixth warmest. **Greg Keefer of Hagerstown 1 E,** whose records go back over a hundred years, reported that he tied his fourth warmest November. The average maximum temperatures were much more above normal than the average minimum temperature due to the lack of cloud cover especially during the first two thirds of the month. Several ACON observers (see Observer Notes on page #2) noted that their average mean and or average maximum temperatures set a record for the month.

The temperatures did not fluctuate as much this month as they did last month. Two periods of "colder" temperatures occurred this month. The first one was generally from the 10th to the 14th with the 12th being the coolest. The other period was

21st and the 22nd with the 21st being the coolest.

Unseasonable warm minimum temperatures occurred on the 2nd when many stations observed minimum temperatures in the 50's and from the 28th to the 30th when minimums in the 50's and the 60's were common. The warmest minimum temperature of the month occurred on the 30th. 64 degrees was observed by **Floyd Abell of Hollywood** while **John Zyla of Ridge,** and **Joe Terry of Forest Glen,** each reported 63 degrees.

PRECIPITATION

The lack of precipitation intensified this month. From October 17 through November 19 little or no precipitation fell across the region. According to **Floyd Abell of Hollywood** a new consecutive day streak of 34 days without measurable rain set a record for St Mary's County. It broke the old record of 32 days set in 1963. **Gary Gallaher of Bear 2 SW DE** reported a streak of 60 consecutive days with less than an inch of precipitation which was six days less than the record of 66 days set in 1965. **Jim Vaughn of Smithsburg 2 NE** reported 38 consecutive days without measurable rainfall and 158 consecutive days without a rainfall of over 1 inch in a 24 hour period. Ten stations (including non ACON) reported less than an inch of precipitation each of the last two months. The driest and only station to report less than an inch of precipitation the last two months was the University of Delaware Research and Education Center at Georgetown DE where 0.77" fell. The next driest was **South Bowie** where **Bill Hudelson** recorded 1.06".

The only good rain of the month fell on the 25th. Showers and thundershowers moved through the region ahead of a cold front. The heaviest amounts fell in Baltimore City. **Joe Manfre of Baltimore 2 SE** observed

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Glenmont 1 NNE	81
Jug Bay Wetlands	80
Baltimore 2 SE	80
Forest Glen	80

MINIMUM TEMPERATURE

Bear 2 SW DE	20
Parkton 5 SW	20
Hanover 1 S, PA	21

WARMEST AVG. TEMP.

Baltimore 2 SE	55.3
Ridge	55.1

COLDEST AVG. TEMP.

Hanover 2 S PA	46.7
Eagle Rock	46.8

MAXIMUM PRECIPITATION

Baltimore 2 SE	2.53
Laurel JHU/APL	1.88

MINIMUM PRECIPITATION

Ridge	0.08
Hollywood	0.30

MAXIMUM SNOWFALL

Eagle Rock	0.2
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2.36". Rainfall amounts of over 1 inch generally fell north and west of a line from the Northern Suburbs of Washington northeast through New Castle County Delaware.

All other daily rainfall amounts this month were very light and mostly less than a tenth of an inch.

SNOWFALL

Snow was a word not used much this month. **Eagle Rock** was the only station where measurable snow fell. The only other flakes observed fell in northern Washington and Carroll Counties where **Jim Vaughn of Smithsburg 2 NE** and **Bobby Miller of Millers 4 NNE** each reported a trace on the 20th.

OBSERVER COMMENTS FOR NOVEMBER 2001

Gary Gallaher of Bear 2 SW, DE

One of the nicest November on record with many warm sunny days and cool nights. Second consecutive month with well above normal sunshine. The third longest dry streak with 60 consecutive days with less than an inch of precipitation (9/27-11/24 0.97" fell) ended on the 25th. Record dry streak is 66 days set 10/8-12/12/1965. The average temperature tied 1998 for the 4th warmest November (warmest 51.0 set in 1985) on record. A record average maximum temperature was set this month which broke the 61.9 set in 1975.

25th - Heavy training thunderstorms ~ 5PM to 7 PM

Al Kreinik of Parkton 5 SW

Warmest November since I have been observing.

Marty Sharrow of Owings Mills

1st - Dense AM valley fog.

12th - Frosty start - sunshine and chilly afternoon.

13th - Dense valley fog; sunshine and warmer.

25th - Overcast with late day thunderstorms.

Joe Manfre of Baltimore 2SE

25th - PM showers and thunderstorms. 2.36" fell.

Herb Close of Manchester 1 SW

A very dry and mild month. Number of clear days above average, especially the first 3 weeks.

3rd - Early morning light rain or sprinkles.

12th - First hard freeze.

25th - Heavy thunderstorms 3:20 - 4:00 PM.

26th - Valley fog.

Ralph Hartsock of Westminster 4 SSE

25th - a tremendous thunderstorm - brief torrential downpour. This was the first significant rain in 40+ days.

Bobby Miller of Millers 4 NE

Warmest November on record. Only November with average maximum temperature above 60 degrees.

Rich Giannola of JHU/APL of Laurel

Long dry spell. 34 days without measurable precipitation from October 17th to November 19th.

Rob Cohen of Potomac 4 N

Warmest November on record.

2nd, 16th - Set record maximum temperature.

12th - Tied record minimum temperature.

19th - Record 34 days without measurable precipitation set.

16th, 28th, 30th - Tied record maximum temperature.

Rich Giannola of Olney 1 S

Very dry fall (September - November) season - 4.81" of rain fell. In the 34 day period October 17th - November 19th only 0.01" of rain fell. Two long stretches without measurable rainfall: 17 days (October 17th - November 2nd) and 16 days (November 4th - 19th).

Kevin Shaw of Gaithersburg 2 WNW

Over 80% of the months precipitation fell on the 25th, with most falling in two thunderstorms on that day. A week of frequent fog followed, often heavy in the late night / early morning hours. The average diurnal range was larger than

normal once again with a range of 27.2 degrees, an 0.2 degrees larger spread than October. The normal high temps were much more above normal than the average minimums were, as in the case of October.

Joe Terry of Forest Glen

Station record 34 consecutive days with no measurable rain. All rain confined to the last 11 days of the month. No outstanding cold periods - consistently mild like October. Very few cloudy days. Very high mean pressure.

10th - Unusually low humidity with minimum relative humidity of only 13%.

18th - Very dense morning fog, continued until late AM.

20th - First measurable rain in 34 days.

30th - Temperature reached 70 degrees despite mainly overcast conditions. Average dew point for the day in the low 60's.

Bill Hudelson of South Bowie

25th - Thunderstorm with brief heavy rain.

Floyd Abell of Hollywood

Second driest and warmest November. Streak of no measurable rain ends at 34 days on the 20th breaking the St Mary's county record (old record 32 days in 1963).

John Zyla of Ridge

2nd - 77 degrees - highest November maximum temp; 60 degrees - highest November minimum temperature both in station history - (since 1995).

26th, 27th, 28th, 29th, 30th - Heavy dense morning fog until around 10 AM.

Greg Keefer of Hagerstown 1 E

November tied 1985 for the 4th warmest on record. The third warmest is 49.5 in 1999, 2nd warmest 49.7 in 1975 and the warmest 50.0 in 1931.

5th - Spectacular aurora (Northern Lights) this evening 8 PM to midnight. Best I have ever seen in this area and so high in the sky.

10th - Cold low of 27 - first freezing temperature of the month. Much warmer in the afternoon, 71 degrees. Humidity very low with readings near 10%.

25th - Windy with rain and thunderstorms this afternoon between 1 PM - 4 PM. Heavy downpours at times and some intense lightning and thunder. 1.30" of rain was the most to fall in one calendar day since March 29th.

Jim Vaughn of Smithsburg 2 NE

Warmest November on record. Old was 48.9 set in 1999.

24th - Rainfall breaks string of 38 consecutive days without measurable rainfall. It beats old record by 18 days.

25th - 1.08" of rain breaks string of 156 consecutive days without an inch or greater falling in a 24 hour period.

16th, 25th, 27th, 28th, 29th, 30th - Set new maximum minimum temperature each day. The 60 degrees on the 30th broke the old month record of 58 set on Nov 15, 1993.

Rob Rickell of Hanover 1 S, PA

25th - Thunder