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

RECORD WARMTH, BENEFICIAL RAINS FOLLOW A MONTH OF LITTLE RAIN

October highlights by **Jeff Stoudt** of **Laurel 2 E**: "Although I have only short-term records at this station, this October would have to be at least a strong candidate for the warmest or second warmest October with records dating back 100 years or more. The extended warmth was welcome for many early evening bike rides; however, outdoor lap swimming would have been a preferred activity during most of the first ten days. An abrupt change to much cooler came near month's end, but was too little and too late to drag the overall average below the likely previous October high. Very dry conditions prevailed through the first 23 days, then three and a half days of rain, heavy at times, erased about half of the large rainfall deficit that accrued during the previous five and a half months."

October was a very warm month. It was the warmest at the following official NWS sites: Washington Reagan National, Washington Dulles, and Wilmington DE. It was the fifth warmest at Baltimore. **Greg Keefer** of **Hagerstown 1 E**, where records go back to 1898, also set a record for warmth this month.

Even through precipitation was above normal this month drought conditions existed for most of the month. NWS Washington Reagan National set a record for consecutive number of days without measurable precipitation at 34 (9/15 - 10/18) breaking the old record of 33 days set 8/7 - 9/8/1995. Other long periods with no measurable precipitation were reported by the following ACON observers: **Marty Brumback** of **Bryans Road 2 ESE** 35 days (9/15 - 10/19), **Tony Scafide** of **Bethesda** 25 days (9/29 - 10/23), and **Floyd Abell** of **Hollywood** 24 days (9/16 - 10/8). The month began with temperatures more like September. During the first 10 days 80 degree temperatures were common.

Winds at night were light which permitted formation of radiation ground fog during the pre-dawn morning hours. Only a few scattered light showers occurred. Many observers reported their latest and only 90 degree temperatures for the month of October. The 7th to the 9th was the hottest. The warmest reported at an ACON station was 96° at **Jug Bay Wetlands** at **Lothian**. **Joe Manfre** of **Baltimore 2 SE** reported 95°, along with **Dan Hanson** of **Pasadena 2 N**, and **Floyd Abell** of **Hollywood**. Temperatures even rose to 86° at **Eagle Rock** in the western Maryland mountains.

Showers brought some rain to most stations from the 10th to the 12th. Amounts were generally less than half an inch. The heaviest was in Northern Delaware where **Gary Gallaher** of **Bear 2 SW** reported 1.40". The least fell in the Washington DC region where some stations only recorded a Trace.

The coldest temperatures of the early fall season were observed from the 13th to the 14th. Scattered light frost was reported at some rural stations.

The warmth returned on the 15th and remained through the 24th. Maximum temperatures generally in the 70's with a few 80's.

Rains finally arrived on the 24th and lasted through the 27th. This very beneficial rain event brought amounts measured in "inches". The heaviest event total was 7.25" at **Oxon Hill** by **Brian Smith**. Other large amounts were reported by ACON observers:

- 6.60" Marty Brumback of Bryans Road 2 ESE
- 5.45" Jeff Stoudt of Laurel 2 E
- 5.25" John Zyla of Ridge
- 5.14" Joe Manfre of Baltimore 2 SE
- 5.04" Dan Hanson of Pasadena 2 N
- 5.04" Joe Terry of Forest Glen

The wettest day was the 26th. 3.88" fell at **Ridge** and 3.00" fell at **Oxon Hill**.

The last five days of the month were much cooler. Maximum temperatures were generally in the 50's

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	96
Pasadena 2 N	95
Baltimore 2 SE	95
Hollywood	95

MINIMUM TEMPERATURE

Davis 3 SE	25
Eagle Rock	26
Frostburg	27
Smithsburg 1.5 SW	27

WARMEST AVG. TEMP.

Baltimore 2 SE	68.1
Ridge	68.1
Hollywood	67.2

COLDEST AVG. TEMP.

Davis 3 SE WV	53.5
Frostburg	56.5
Eagle Rock	56.8

MAXIMUM PRECIPITATION

Oxon Hill	7.55
Bryans Road 2 ESE	6.95
Baltimore 2 SE	6.29

MINIMUM PRECIPITATION

LaVale	2.48
Frederick 3 WNW	3.09
Emmitsburg 2 SE	3.15

MAXIMUM SNOWFALL

Davis 3 SE WV	T
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and 60's The last three days the minimum temperatures fell into the 20's and 30's. Dave Leshner of Davis 3 SE WV reported 25°, Rebecca Harvey of Eagle Rock 26°, Max Hutto of Smithsburg 1.5 SW and Greg Latta of Frostburg 27°, Greg Keefer of Hagerstown 1 E and Bobby Miller of Millers 4 NE 29°. The temperature fell to 25° at Salisbury Wicomico County.

OBSERVER COMMENTS FOR OCTOBER 2007

Gary Gallaher of Bear 2 SW, DE

Very warm October. Cool conditions the last four days prevented October from being the warmest ever.

9th - First day ever in October with a 90 degree reading.

26th & 27th - First back to back days with at least 1" rain since September 14-15, 2005.

Nate Mullins of LaVale

Warmest October in 16 years of records.

6th - Dense AM fog, sunny, humid.

9th - PM thundershower

Al Kreinik of Parkton 5 SW

1st - AM light fog in low areas only.

4th - More AM fog. Visibility 1/4 mile.

29th - Cold night, heavy frost.

Marty Sharrow of Owings Mills

9th - Hot, humid, evening thunderstorm 1945-2050.

25th - Unsettled, cool, with periods of rain.

Joe Manfre of Baltimore 2SE

8th - Partly cloudy, hot, humid.

27th - Rain until mid afternoon, then partly cloudy.

Greg Klein of Westminster 5 SSE

An exceptionally warm month, +6.6°.

Ralph Hartsock of Westminster 4 SSE

13th - Cold early, spotty frost, sunny and nice.

24th - Finally a cool, rainy day!

Bobby Miller of Millers 4 NE

Warmest October in 26 years of records. Old October record maximum of 84 which was set on five days in previous years, was broken four times in six days this month.

8th - Dense fog at 6 AM Zero visibility.

29th - Heavy, killing frost, clear skies.

Rebecca Harvey of Eagle Rock

29th & 30th - Heavy frost.

Eric Glass of Emmitsburg 2 SE

20th - Clear, sunny, bright, fresh.

Rob Cohen of Potomac 4 N

4th, 7th, 8th, 10th - Record maximum temperatures.

9th - All time October record maximum temperature.

Rich Giannola of Olney 1 S

Warmest October in 22 years of record!

19th - Light rain showers during the day.

26th - Rain all day with the heaviest in the afternoon into the evening.

Stan Rossen of Glenmont 1 NNE

7th - New October maximum temperature of 91°. Old record was 89° set 10/6/1997, and tied 10/4/2000.

9th - Set new all time October maximum temperature record. Old record was 91° set and tied on the previous two days. Also broke the record for the latest 90° temperature for the year. Old was 91° set on 9/30/1986.

Kevin Shaw of Gaithersburg 2 WNW

October was quite an interesting, diverse month, even more so than the usually up and down October. I set several noteworthy records. It was my warmest October in 29

years of records, first 90°, and eight 80° days.

23rd - New daily high minimum temperature of 67°.

Joe Terry of Forest Glen

Abnormally warm. 12 days reaching 80° or above.

7th, 8th, & 9th - First 90° days in October in 13 years of station history.

26th - Dampest, dreariest day possible. 100% relative humidity literally all day. Rain heavy at times.

Floyd Abell of Hollywood

Warmest October on record.

9th - October record maximum temperature of 95°.

29th & 30th - First scattered frost.

John Zyla of Ridge

9th - Latest 90° temperature in station history.

30th - First frost.

Max Hutto of Smithsburg 1.5 SW

19th - Warm overnight. Humid, AM rain, PM heavy thunderstorm..

Greg Keefer of Hagerstown 1 E

Warmest October on record. Previous was 60.5 set in 1984.

8th - Tied record maximum of 90 set in 1916.

9th - Tied record maximum of 89 set in 1939.

Jim Vaughn of Smithsburg 2 NE

Warmest October on record. Old warmest was 61.6° set in 1984.

8th - 88°, second warmest October temperature.

Monthly record of 89 set 10/2/1986.

Lance Shaffer of Sterling 4 N VA

4th - Foggy start.



Floyd Abell's Weather Truck

Check Floyd's forecast on his weather line
301-373-3171

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.