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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 Leshar 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.**

**ACON MD / DE / DC  
OCTOBER 2007 SUMMARY**

OBSERVER	STATION <i>COUNTY, STATE</i>	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME	
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE
<i>New Castle, Delaware</i>																								
Gallaher, Gary	Bear 2 SW	73.2	50.2	61.7	90	9	30	29	1	0	2	43	WSW	19	5.36	1.40	26	39.72	8	2	0.0	0.0	0.0	2400
NWS Wilmington	New Castle Co. Apt.	73.5	53.5	63.5	90	7	33	29	1	0	0	46	WNW	19	5.92	1.69	26	35.30	9	2	0.0	0.0	0.0	2400
U of DE DEOS	UofD AG Farm Newark, DE	73.7	51.5	62.6	89	9	33	29	0	0	0				6.05	1.48	26	35.88	9	3				2400
U of D Townsend Farm	Townsend 4 W	72.9	51.3	62.1	89	9	33	29	0	0	0	39		19	5.07	1.40	26	<u>24.69</u>	11	1				2400
<i>Sussex, Delaware</i>																								
NWS Georgetown	Sussex Co. Airport	74.8	54.2	64.5	91	7	34	30	2	0	0	31	WSW	23	4.37	1.39	19	28.26	9	1				2400
U of D Research & Ed Ctr	Georgetown	75.1	54.1	64.6	91	7+	33	30	2	0	0				3.70	0.96	25	<u>23.27</u>	11	0				2400
U of D Warrington Farm	Harbeson 8 S	M	M	M											M			<u>17.11</u>						2400
<i>Allegany, Maryland</i>																								
Latta, Greg	Frostburg	67.0	46.0	56.5	82	9	27	30	0	0	2				3.47	0.97	27	35.03	8	0	0.0	0.0	0.0	0700
Mullins, Nate**	LaVale	66.9	50.7	58.8	85	8	33	29	0	0	0				2.48	1.15	24	28.71	6	1	0.0	0.0	0.0	2400
<i>Anne Arundel, Maryland</i>																								
Hanson, Dan	Pasadena 2 N	75.2	52.6	63.9	95	9	32	29	3	0	1	31	W	12	5.59	2.06	26	<u>27.19</u>	9	2	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	78.3	53.4	65.9	96	10	31	29	3	0	1				4.99	2.62	27	29.42	16	2	0.0	0.0	0.0	0900
NWS Baltimore	BWI Airport	74.9	51.9	63.4	94	9	34	29+	3	0	0	39	NW	19	5.85	2.49	26	29.42	8	2	0.0	0.0	0.0	2400
Stoudt, Jeff	Laurel 2 E	74.8	54.0	64.4	92	9	37	29+	3	0	0				5.98	2.39	26	29.85	8	3	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Kreinik, Al	Parkton 5 SW	73.7	49.1	61.4	92	9	30	29	2	0	2				4.60	2.00	27	29.64	8	1	0.0	0.0	0.0	2200
Sharrow, Marty	Owings Mills 2 SE	71.9	51.5	61.7	88	9	33	29	0	0	0				4.49	1.38	27	23.42	10	2	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	76.6	59.6	68.1	95	9	44	29	3	0	0				6.29	2.04	26	27.72	9	2	0.0	0.0	0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	76.2	59.7	68.0	95	9	44	29+	3	0	0				6.13	2.69	26	27.07	10	2				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	72.7	53.4	63.1	93	9	35	29	2	0	0				3.91	1.25	26	32.13	14	1	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	70.5	50.0	60.3	88	9	30	29	0	0	1				4.34	1.18	26	31.74	8	1	0.0	0.0	0.0	2000
Klein, Greg	Westminster 5 SSE	68.9	51.3	60.1	86	9	34	29	0	0	0				4.52	1.31	26	31.39	9	1	0.0	0.0	0.0	2200
Miller, Bobby	Millers 4 NE	71.8	50.5	61.2	89	9	29	29	0	0	1	37	SW	23	3.84	1.28	27	30.70	9	1	0.0	0.0	0.0	1800
Muller, Ray	Westminster City	73.3	53.0	63.2	90	9	32	29	1	0	1	35	S	19	3.67	0.96	26	30.13	9	0	0.0	0.0	0.0	1900
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Road 2 ESE	75.8	53.8	64.8	93	9	34	29+	3	0	0	33		12	6.95	2.55	26	<u>28.08</u>	5	3	0.0	0.0	0.0	2400
<i>Frederick, Maryland</i>																								
Glass, Eric	Emmitsburg 2 SE	72.5	48.6	60.6	90	10	30	30+	1	3	3				3.15	1.28	27	<u>24.68</u>	8	1	0.0	0.0	0.0	0700
Lawrence, Bryon	Frederick 3 WNW	72.6	48.5	60.6	90	8	29	29	1	0	3				3.09	0.93	24	<u>13.44</u>	8	0	0.0	0.0	0.0	2300
<i>Garrett, Maryland</i>																								
Harvey, Rebecca	Eagle Rock	66.9	46.7	56.8	86	7	26	29	0	0	2				4.14	1.28	25	40.80	11	1	0.0	0.0	0.0	0800

**ACON MD / DE / DC  
OCTOBER 2007 SUMMARY**

OBSERVER	STATION <i>COUNTY, STATE</i>	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME	
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE
<i>Howard, Maryland</i>																								
Giannola, Rich	Laurel JHU / APL	73.4	52.8	63.1	91	9	35	29+	1	0	0	38	WNW	12	4.59	1.88	26	24.83	8	1	0.0	0.0	0.0	2400
<i>Montgomery, Maryland</i>																								
Cohen, Rob	Potomac 4 N	73.8	52.7	63.3	90	9	31	29	1	0	2				3.83	1.22	25	27.11	7	2	0.0	0.0	0.0	2100
Giannola, Rich	Olney 1 S	73.7	53.6	63.7	91	9	34	29	1	0	0				4.10	2.28	26-27	28.33	5	2	0.0	0.0	0.0	2400
Roth, David	Montgomery Village 1SW	73.4	53.6	63.5	91	9	34	29	2	0	0	15		12	3.28	1.13	26	24.13	8	1	0.0	0.0	0.0	2400
Rossen, Stan	Glenmont 1 NNE	76.2	51.3	63.8	93	9	32	29+	3	0	2	12		12	5.06	1.83	26	28.77	7	3	0.0	0.0	0.0	2400
Scafide, Tony	Bethesda	71.4	53.8	62.6	88	9	34	29	0	0	0	14		12+	3.31	0.95	26	<u>21.58</u>	4	0				2400
Shaw, Kevin	Gaithersburg 2 WNW	72.5	51.8	62.2	90	9	32	29+	1	0	2				3.61	1.07	26	26.61	7	1	0.0	0.0	0.0	2400
Terry, Joe	Forest Glen	76.1	52.5	64.3	94	9	33	29	3	0	0	25	WSW	11+	5.26	1.83	26	29.77	7	3	0.0	0.0	0.0	2400
Wash Gas Light	Rockville 1 NE																	<u>15.96</u>						2400
<i>Prince Georges, Maryland</i>																								
Smith, Brian	Oxon Hill	75.4	56.3	65.9	93	9	38	29+	2	0	0				7.55	3.00	26	31.64	5	3	0.0	0.0	0.0	2300
<i>St. Marys, Maryland</i>																								
Abell, Floyd	Hollywood	77.3	57.1	67.2	95	9	37	29+	3	0	0	27		23	3.54	1.91	26	28.89	8	1	0.0	0.0	0.0	2400
Zyla, John	Ridge	75.8	60.3	68.1	91	9	43	29+	2	0	0	23	E	25	5.82	3.88	26	30.03	7	1	0.0	0.0	0.0	2400
<i>Washington, Maryland</i>																								
Hutto, Max	Smithsburg 1.5 SW	72.5	48.1	60.3	88	8+	27	29	0	0	3	31	WNW	12	5.56	1.53	24	33.19	10	2	0.0	0.0	0.0	2400
Keefer, Greg	Hagerstown 1 E	72.1	49.9	61.0	90	8	29	29	1	0	3	32	W	12	4.36	1.23	24	32.91	8	2	0.0	0.0	0.0	2400
Vaughn, Jim	Smithsburg 2 NE	71.3	52.4	61.9	88	8	31	29	0	0	1	49	S	31	4.71	1.45	19	29.62	9	2	0.0	0.0	0.0	2400
<i>Wicomico, Maryland</i>																								
NWS Salisbury	Wicomico Co. Apt	75.6	50.6	63.1	92	9	27	30	2	0	3	36	WNW	12	2.89	0.78	26	29.54	13	0	0.0	0.0	0.0	2400
<i>Arlington, Virginia</i>																								
NWS Washington Natona	National Airport	76.4	57.7	67.1	94	9	41	29+	3	0	0	44	WNW	19	6.55	2.65	26	28.19	5	3	0.0	0.0	0.0	2400
<i>Loudon, Virginia</i>																								
NWS Washington Dulles	Dulles Airport	75.4	51.7	63.6	94	9	31	29	3	0	2	<u>39</u>	<u>W</u>	<u>19</u>	3.52	1.16	24	22.56	5	1	0.0	0.0	0.0	2400
Shaffer, Lance	Sterling 4 N	72.7	53.3	63.0	89	9	32	29	0	0	1				4.59	1.30	26	26.09	8	2	0.0	0.0	0.0	2400
<i>Tucker, West Virginia</i>																								
Leshner, Dave	Davis 3 SE WV	62.8	44.1	53.5	77	5+	25	29	0	0	3				5.61	1.34	25	57.52	11	2	T	0.0	0.0	0700
SECTION AVERAGE*		<b>73.5</b>	<b>52.5</b>	<b>63.0</b>											<b>4.65</b>		<b>29.55</b>				<b>0.0</b>		<b>0.0</b>	

**NOTES:**

\*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

\*\*OBSERVER FOR LAVALE IS SCOTT LOHR. DATA COMPILED BY NATE MULLINS.

M OR UNDERLINE= MISSING DATA + FIRST OF SEVERAL OCCURANCES

> = INCLUDED IN NEXT DAYS DATA

ITALIC = ESTIMATED DATA

National Weather Service station data listed herein is preliminary and may be subject to change. The data has not been certified and cannot be used in legal actions.

Only reports certified by the National Climatic Data Center in Asheville, NC may be used for these purposes.

Accuracy of Data from ACON Observers not guaranteed.

GARY GALLAHER 3/30/08

**ACON MD / DE / DC  
OCTOBER 2007 DAILY TEMPERATURES**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	OBS TIME	
BEAR 2 SW, DE GALLAHER	75 48	78 49	83 58	82 61	75 60	83 60	87 61	85 63	90 65	79 65	67 51	63 41	65 36	67 37	70 41	71 48	78 53	79 54	80 61	72 46	78 42	79 44	80 65	74 56	56 51	62 53	70 55	56 37	55 30	63 32	67 33	73.2 50.2	2400 EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT	75 53	78 51	81 65	79 66	74 62	84 63	90 65	88 67	87 66	80 64	67 51	66 46	65 41	69 43	71 45	72 54	79 58	79 61	79 60	73 54	76 49	79 66	81 57	70 52	57 53	63 53	71 53	58 38	56 33	64 36	67 38	73.5 53.5	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	76 50	80 50	85 62	84 61	77 63	85 61	88 64	88 66	89 65	80 63	66 51	63 43	65 38	66 41	71 44	72 49	79 54	80 56	79 60	72 51	79 46	80 47	81 64	70 55	56 50	61 51	70 52	56 39	56 33	66 35	68 35	73.7 51.5	2400 EST	
TOWNSEND 4 W, DE U of D DE Townsend Farm	74 47	78 48	82 58	80 61	76 61	83 59	88 64	87 62	89 65	79 63	67 50	63 45	63 37	66 38	70 42	72 48	79 52	78 56	79 60	71 53	78 46	79 50	80 65	75 56	56 50	63 53	70 55	56 40	53 33	62 35	67 38	72.9 51.3	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	74 50	76 52	84 67	82 68	81 68	84 66	91 66	87 62	90 70	77 64	68 54	67 45	65 41	68 40	73 43	75 50	79 53	80 60	79 62	73 50	78 47	80 55	82 62	76 58	62 59	69 51	72 42	59 36	56 34	63 38	69 38	74.8 54.2	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR	74 48	76 51	83 68	84 67	81 68	86 66	91 65	87 63	91 69	79 66	68 53	66 43	65 40	68 40	73 41	77 50	80 53	80 57	79 71	73 50	79 45	79 55	81 66	76 63	63 57	69 59	73 56	57 40	55 35	65 33	69 37	75.1 54.1	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM																																	M M	2400 EST
FROSTBURG LATTA	71 46	72 48	76 49	79 52	80 56	80 55	80 55	80 59	82 61	81 49	68 42	55 42	56 35	60 35	69 40	67 43	71 47	74 49	65 55	62 51	75 48	76 44	71 46	59 45	49 45	49 46	56 37	48 28	55 27	61 35	67.0 46.0	0700 EDT		
LAVALE MULLINS**	71 49	72 52	76 54	76 54	75 61	80 61	84 59	85 63	83 63	68 56	54 51	55 52	58 40	64 40	66 43	67 49	71 53	74 54	67 60	67 55	72 43	70 45	70 64	60 52	52 51	52 51	58 52	52 45	54 33	60 34	62 34	66.9 50.7	2400 EDT	
PASADENA 2 N HANSON	77 50	81 56	83 65	83 63	82 63	83 63	93 64	90 64	95 67	84 65	66 51	68 44	68 39	69 38	74 43	73 49	81 54	79 57	77 52	74 46	81 51	79 68	74 57	57 52	63 55	69 51	59 40	59 32	65 34	65 39	75.2 52.6	2400 EDT		
LOTHIAN JUG BAY	81 48	78 54	M M	83 63	82 63	79 63	87 63	96 63	91 66	96 67	86 54	70 51	72 41	72 38	M 39	80 47	78 62	84 58	80 66	80 52	M 42	81 65	84 65	82 54	66 52	58 57	69 M	M 31	69 33	62 37	68 53.4	0900 EDT		
BALTIMORE NWS BWI APT	76 50	79 54	82 64	84 61	81 65	85 64	92 62	91 64	94 83	87 61	65 50	68 46	68 43	70 40	75 43	73 48	81 53	80 54	78 57	74 50	78 44	81 47	79 66	69 55	62 51	71 54	59 39	57 34	65 34	67 35	74.9 51.9	2400 EST		
LAUREL 2 E STOUDT	77 53	80 56	84 66	87 66	82 67	84 66	90 65	92 70	83 61	66 51	66 49	69 46	69 44	73 46	82 50	80 54	78 57	72 52	80 48	80 50	79 67	81 55	71 51	56 54	61 54	69 54	58 42	58 37	65 37	65 38	74.8 54.0	2400 EST		
PARKTON 5SW KREINIK	75 45	77 50	83 62	81 59	80 49	84 49	89 60	90 58	92 62	81 58	76 42	62 36	62 36	65 41	74 46	73 56	79 53	78 64	75 48	72 40	78 45	78 66	77 56	74 50	56 51	60 53	68 40	58 30	56 32	64 34	67 49.1	2200 EDT		
OWINGS MILLS 2SE SHARROW	75 53	76 54	81 62	84 61	77 64	82 62	87 63	86 63	88 66	78 61	64 52	64 46	65 41	65 41	70 43	70 48	77 52	78 55	76 48	72 45	78 64	80 53	80 49	78 52	68 52	68 52	66 46	57 33	57 35	66 37	64 37	71.9 51.5	2400 EDT	
BALTIMORE 2SE MANFRE	80 63	81 62	83 71	85 70	82 73	87 72	93 70	94 70	95 73	85 64	66 54	69 53	68 52	72 52	76 57	76 60	83 64	81 65	80 62	76 61	80 54	84 59	80 70	71 52	57 55	64 55	72 55	60 47	59 44	67 45	69 48	76.6 59.6	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	79 63	81 62	82 71	85 70	80 73	86 72	93 71	93 73	95 64	85 54	66 53	69 52	69 52	71 52	76 60	75 64	83 65	80 62	80 61	76 54	80 59	84 57	80 70	71 56	57 55	64 55	71 44	59 47	58 44	66 44	69 46	76.2 59.7	2400 EST	
MANCHESTER 1SW CLOSE	74 52	78 55	83 61	88 65	81 65	84 64	89 65	91 63	93 67	80 61	62 48	62 44	64 43	69 44	74 49	80 53	80 58	71 59	68 57	78 54	78 54	73 64	66 51	58 47	66 49	66 51	57 41	57 35	66 40	66 43	72.7 53.4	2300 EDT		
WESTMINSTER 4 SSE HARTSOCK	76 47	76 54	81 60	86 59	81 61	82 58	86 63	87 59	88 67	80 57	61 46	60 37	60 37	62 40	67 45	70 54	74 54	79 59	75 49	70 46	73 45	73 62	75 51	68 48	52 50	56 50	65 44	54 30	50 33	62 35	70.5 50.0	2000 EDT		
WESTMINSTER 5 SSE KLEIN	72 50	73 53	77 59	82 61	77 60	79 64	84 61	84 61	86 67	74 57	59 49	60 45	62 42	60 42	67 45	69 54	71 55	69 58	72 51	72 49	72 61	72 51	70 49	51 52	57 48	63 48	54 39	51 34	58 37	61 40	68.9 51.3	2200 EDT		
MILLERS 4NE MILLER	73 48	76 51	81 58	85 61	79 62	82 57	86 62	88 60	89 66	83 56	72 49	60 46	61 38	66 37	71 41	71 47	77 55	77 55	72 67	70 50	76 44	76 47	72 62	72 53	53 47	54 48	66 54	58 44	53 29	61 34	65 38	71.8 50.5	1800 EDT	
WESTMINSTER CITY MULLER	76 51	80 55	81 62	84 64	82 63	83 64	88 64	88 64	90 68	80 60	70 53	67 47	64 40	68 43	73 42	76 47	79 58	80 59	76 60	71 52	75 51	76 53	74 66	72 50	55 51	58 53	69 44	57 32	54 34	61 40	65 41	73.3 53.0	1900 EDT	
BRYANS ROAD 2 ESE BRUMBACK	78 50	81 55	83 64	85 66	81 66	83 64	92 62	90 64	93 67	83 67	70 55	69 48	70 48	71 41	77 44	80 51	83 58	78 62	77 59	71 43	77 56	81 66	79 56	73 52	63 56	63 51	61 40	59 34	66 34	69 41	75.8 53.8	2400 EDT		
EMMITSBURG 2 SE GLASS	73 45	73 46	77 59	82 58	85 60	79 59	81 60	88 59	89 61	90 56	79 53	59 49	63 40	64 37	67 37	71 42	72 47	78 54	79 54	74 54	70 45	77 43	77 41	75 62	53 49	57 50	67 47	56 31	56 30	62 30	72.5 48.6	0700 EDT		

**ACON MD / DE / DC**  
**OCTOBER 2007 DAILY TEMPERATURES**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	OBS TIME	
FREDERICK 3 WNW LAWRENCE	77	79	86	89	81	83	87	90	89	82	61	64	66	69	73	72	80	79	72	68	78	78	73	65	51	55	64	55	56	63	66	72.6	2300 EDT	
EAGLE ROCK HARVEY	70	72	76	76	82	78	86	80	82	79	66	46	50	56	60	70	71	72	72	66	60	76	76	74	59	48	59	53	48	50	60	66.9	0800 EST	
LAUREL JHU / APL GIANNOLA	74	78	83	84	82	84	89	89	91	82	61	64	66	67	74	73	79	80	77	69	79	79	78	71	53	61	68	54	56	64	67	73.4	2400 EDT	
POTOMAC 4N COHEN	75	78	83	86	80	81	87	88	90	82	68	68	66	68	74	78	79	78	76	73	77	79	76	73	54	59	66	58	57	62	68	73.8	2100 EST	
OLNEY 1 S GIANNOLA	74	77	82	83	84	79	88	88	91	82	63	66	67	67	73	74	79	78	76	71	79	80	76	73	54	60	68	59	59	66	69	73.7	2400 EDT	
MONTGOMERY VILLAGE ROTH 1SW	75	79	85	87	81	82	88	90	91	82	66	65	66	66	72	74	78	79	76	70	76	78	77	71	55	61	69	57	56	62	66	73.4	2400 EDT	
GLENMONT 1NNE ROSSEN	79	82	87	88	82	85	91	91	93	86	67	70	72	71	76	76	84	80	77	72	82	83	77	69	54	62	70	59	60	67	70	76.2	2400 EST	
BETHESDA SCAFIDE	73	76	79	81	78	78	86	85	88	78	66	64	65	66	70	73	75	77	75	69	74	76	76	71	54	62	67	56	54	61	64	71.4	2400 EDT	
GAITHERSBURG 2WNW SHAW	72	75	81	85	80	80	88	89	90	82	66	65	67	68	75	75	78	78	75	71	75	76	76	70	54	61	65	54	53	59	63	72.5	2400 EDT	
FOREST GLEN TERRY	79	82	86	88	84	85	92	91	94	85	67	70	70	71	76	78	82	79	76	73	80	82	78	71	54	62	70	60	59	66	68	76.1	2400 EDT	
ROCKVILLE 1NE WASH GAS LIGHT																																		2400 EDT
OXON HILL SMITH	77	80	85	84	80	83	91	89	93	83	68	68	70	70	75	77	81	81	78	73	78	80	80	75	58	65	70	58	57	63	67	75.4	2300 EDT	
HOLLYWOOD ABELL	79	82	81	86	79	85	92	90	95	84	69	70	70	72	77	79	82	80	80	78	81	82	84	77	63	70	71	61	60	66	70	77.3	2359 EDT	
RIDGE ZYLA	77	79	80	83	77	81	91	89	91	81	69	71	70	72	76	76	79	76	82	77	78	81	84	78	61	68	71	60	58	65	68	75.8	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	75	78	83	85	86	82	86	88	88	80	58	62	64	67	71	75	79	81	76	68	78	78	75	66	54	56	67	57	55	62	66	72.5	2400 EDT	
HAGERSTOWN 1E KEEFER	74	77	83	86	82	82	88	90	89	80	58	62	64	67	71	75	79	79	75	69	77	78	74	65	53	53	66	57	55	61	65	72.1	2400 EDT	
SMITHSBURG 2 NE VAUGHN	74	76	82	84	82	81	86	88	87	77	58	61	63	66	72	74	78	79	74	67	76	76	74	65	53	57	65	57	53	60	64	71.3	2400 EDT	
SALISBURY NWS WICOMICO CO APT	76	78	85	86	77	84	91	85	92	79	68	68	66	68	74	77	80	80	79	75	79	80	83	79	64	70	72	58	55	67	69	75.6	2400 EST	
WASH NATIONAL NWS ASOS	77	81	82	84	81	82	92	91	94	82	67	72	72	72	78	79	82	81	80	76	80	82	81	71	58	64	73	61	59	65	68	76.4	2400 EST	
WASH DULLES NWS ASOS	77	80	86	88	82	80	91	92	94	83	65	68	68	70	76	79	82	82	78	73	79	82	79	70	54	59	70	59	58	65	69	75.4	2400 EST	
STERLING 4 N SHAFFER	75	77	83	84	80	79	86	87	89	80	64	66	66	66	73	74	79	79	76	69	75	78	77	68	56	58	65	59	56	62	67	72.7	2400 EDT	
DAVIS 3 SE WV LESHER	69	69	71	73	77	75	76	75	77	72	61	40	44	49	54	67	68	68	68	63	55	75	72	69	56	48	56	49	42	49	59	62.8	0700 EDT	

**ACON MD / DE / DC**  
**OCTOBER 2007 DAILY PRECIPITATION**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME
BEAR 2 SW, DE GALLAHER									0.62		0.63	0.15						T	0.25					0.70	0.29	1.40	1.32					5.36	2400
WILMINGTON, DE NWS NEW CASTLE CO APT									1.53		0.60	0.17							0.27				0.03	0.56	0.22	1.69	0.85					5.92	2400
NEWARK AG FARM, DE U OF DE DEOS									0.37	0.18	1.13	0.16							0.72					0.57	0.29	1.48	1.15					6.05	2400
TOWNSEND 4 W, DE U of D DE Townsend Farm					0.01				0.73		0.85	0.19						0.14	0.03				0.01	0.66	0.32	1.40	0.73					5.07	2400
GEORGETOWN, DE NWS SUSSEX CO APT		T							0.09	0.15	0.42	T						0.04	1.39	T				0.79	0.60	0.66	0.23					4.37	2400
GEORGETOWN, DE UofD RESEARCH & ED CTR							0.01		0.25	0.15	0.20							0.02	0.48	0.16				0.65	0.96	0.63	0.19					3.70	2400
HARBESON 8 S, DE UofD WARRINGTON FARM																																M	2400
FROSTBURG LATTA										0.35		0.14					T		0.03	0.21			T	0.71	0.89	0.17	0.97					3.47	0700
LAVALE MULLINS**										0.17		T	0.03						0.30				0.20	1.15		0.63						2.48	2400
PASADENA 2 N HANSON					0.01					0.04	0.06	0.12							0.32					0.72	0.53	2.06	1.73					5.59	2400
LOTHIAN JUG BAY				0.02	0.01	0.01	0.01			0.01		0.01				0.01	0.01	0.01		0.23				0.26	1.48	0.28	2.62		0.01	0.01		4.99	0900
BWI NWS ASOS				T					T	0.10	T	0.03							0.28				0.01	0.88	0.43	2.49	1.63					5.85	2400
LAUREL 2 E STOUDT				T	T	0.01				0.06		0.14							0.32				T	1.14	0.55	2.39	1.37					5.98	2400
PARKTON 5SW KREINK										T	0.06	0.49							0.15	0.19				0.34	0.62	0.75	2.00					4.60	2200
OWINGS MILLS 2SE SHARROW			T						0.24	0.12	0.08	0.12							0.27				0.01	0.34	0.65	1.28	1.38					4.49	2400
BALTIMORE 2SE MANFRE									0.12	0.47	0.06	0.09							0.41				T	0.87	0.38	2.04	1.85					6.29	1800
BALT INNER HARBOR MD SCIENCE CENTER									0.09	0.30	0.04	0.07							0.43				0.01	0.81	0.40	2.69	1.29					6.13	2400
MANCHESTER 1SW CLOSE			0.01	0.01	0.01				0.02	0.01	0.10	0.07					T	T	0.49	0.01			0.01	0.63	0.44	1.25	0.85					3.91	2300
WESTMINSTER 4 SSE HARTSOCK										0.38	0.27	0.17							0.31				T	0.49	0.62	1.18	0.92					4.34	2000
WESTMINSTER 5 SSE KLEIN									0.31	0.30		0.18							0.25	0.08				0.58	0.63	1.31	0.88					4.52	2200
MILLERS 4NE MILLER					T					0.02	0.08	0.46							0.11	0.21			T	0.43	0.47	0.78	1.28					3.84	1800
WESTMINSTER CITY MULLER			T						0.05	0.31	0.20							T	0.07	0.36			T	0.47	0.59	0.96	0.66					3.67	1900
BRYANS ROAD 2 ESE BRUMBACK																				0.35				1.36	0.92	2.55	1.77					6.95	2400
EMMITSBURG 2 SE GLASS										0.08		0.10								0.43				0.24	0.90	0.09	1.28	0.03				3.15	0700

**ACON MD / DE / DC**  
**OCTOBER 2007 DAILY PRECIPITATION**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME
FREDERICK 3 WNW LAWRENCE	0.01																		0.25			0.05	0.02	0.93	0.39	0.82	0.62					3.09	2300 EDT
EAGLE ROCK HARVEY										0.31	0.03	0.30							0.03	0.17			0.03	0.82	1.28	0.20	0.92	0.05				4.14	0800 EST
LAUREL JHU / APL GIANNOLA										0.14		0.02							0.13	0.01			T	0.77	0.71	1.88	0.93					4.59	2400 EDT
POTOMAC 4N COHEN												0.02				T				0.25			0.01	0.31	1.22	1.12	0.90					3.83	2100 EST
OLNEY 1 S GIANNOLA									T	0.04		0.02							0.22					>	1.54	>	2.28					4.10	2400 EDT
MONTGOMERY VILLAGE ROTH 1SW											0.02	0.01					0.03		0.18					0.93	0.46	1.13	0.52					3.28	2400 EDT
GLENMONT 1NNE ROSSEN			T							0.01	T	0.01				T	T		0.20					1.41	0.53	1.83	1.07					5.06	2400 EST
BETHESDA SCAFIDE																								0.93	0.61	0.95	0.82					3.31	2400 EDT
GAITHERSBURG 2WNW SHAW										T	0.02	0.01							0.24				T	0.95	0.76	1.07	0.56					3.61	2400 EDT
FOREST GLEN TERRY									T	0.03		0.01							0.18				T	1.20	0.96	1.83	1.05					5.26	2400 EDT
ROCKVILLE 1NE WASH GAS LIGHT																																	2400 EDT
OXON HILL SMITH				T	T	T			T	T									0.30				T	1.60	0.93	3.00	1.72					7.55	2300 EDT
HOLLYWOOD ABELL			T							0.03	0.01	0.22						0.13	T					0.68	0.34	1.91	0.22					3.54	2359 EDT
RIDGE ZYLA										0.47	0.05							0.05						0.57	0.47	3.88	0.33					5.82	2400 EDT
SMITHSBURG 1.5 SW HUTTO										0.46	0.01	0.03				T	0.01		1.53				0.38	1.26	0.47	0.91	0.50					5.56	2400 EDT
HAGERSTOWN 1E KEEFER									0.10		0.01					T			1.14				0.23	1.23	0.39	0.83	0.43					4.36	2400 EDT
SMITHSBURG 2 NE VAUGHN							0.01		0.40		0.07					T			1.45				0.39	1.10	0.40	0.55	0.34					4.71	2400 EDT
SALISBURY NWS WICOMICO CO APT					0.01	0.01	0.05		0.43	0.21	0.12	T						0.03	0.17	0.02				0.47	0.32	0.78	0.27					2.89	2400 EST
WASH NATIONAL NWS ASOS			T						T	T	T	T							0.37				T	1.50	0.68	2.65	1.35					6.55	2400 EST
WASH DULLES NWS ASOS			T						T										0.35				T	1.16	0.49	0.98	0.54					3.52	2400 EST
STERLING 4 N SHAFFER				T	T	T	T	T	0.01	0.01	T							T	0.37	0.01			T	1.07	0.95	1.30	0.87					4.59	2400 EDT
DAVIS 3 SE WV LESHER										0.87	0.01	0.26										0.77	0.01	0.03	1.26	1.34	0.06	0.86	0.14			5.61	0700 EDT