



<http://www.jhuapl.edu/weather/education/ACONdata.html>

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

## TRANQUIL, MILD MONTH WITH BELOW AVERAGE PRECIPITATION WEST OF THE I-95 CORRIDOR

October continued the stretch of above normal temperatures which began after the February snows melted. Sub-freezing temperatures were almost non-existent with only four reported in Maryland. Precipitation was above normal east of the I-95 corridor as a result of the heavy pre-dawn rains on the 1st as the tropical moisture departed to the northeast.

There were five significant precipitation events this month. The first one, which was the heaviest, occurred during the pre-dawn hours of the 1st as tropical moisture moved northeast out of the region. Over 3 inches of rain fell in Northern Delaware.

The second event occurred on the 3rd and 4th. Amounts were generally in the 1/2 to 3/4 inch range. **Marty Brumback** of **Bryans Road 2 ESE** reported 1.05".

The third was on the 14th when 3/4 to 1 inch fell. Again **Marty Brumback** of **Bryans Road 2 ESE** reported the heaviest amount of 1.22" by an ACON observer. Much lighter amounts fell west of Washington County.

The fourth event, which was the lightest, occurred on the 19th & 20th with amounts ranging upwards of 1/2 inch.

The fifth and last occurred on the 27th. One half to an inch of rain were common. **Kevin Shaw** of **Gaithersburg 2 WNW** reported the greatest amount with 1.46".

The warmest period this month occurred from the 4th to the 12th. Temperatures rose into the 70's with 80's at some stations on the 9th and 10th with 80's at all stations east of Allegany County MD on the 11th. The warmest reported was 88° by **Marty Brumback** of **Bryans Road 2 ESE**, and 87° by **Joe Terry** of **Forest Glen**, **Brian Smith** of **Oxon Hill** and **Wes Gleason** of **Hollywood 3 ENE**.

The second warmest period occurred from the 24th to the 28th. Maximum temperatures rose into the 70's with the maximum of 82 reported by **John Zyla** of

**Ridge** and **Wes Gleason** of **Hollywood 3 ENE**. Summer type humidity occurred on the 26th and 27th. Minimum temperatures on the 27th were in the mid to upper 60's making it one of the warmest so late in the season. The warmest minimums occurred in Sussex Co. DE where **UofD DEOS** stations at **Georgetown** and **Harbeson 8 S** each observed 70°.

Freezing temperatures and frost were rare this month. The first frost reported occurred on the 23rd when temperatures fell into the mid to upper 30's and on the 30th when temperatures fell into the lower to mid 30's. Sub-freezing temperatures on the 23rd were reported by **Mac Hutto** of **Smithsburg 1.5 SW** (31°) and on the 30th by **Bobby Miller** of **Millers 4 NE** (31°) and **Mac Hutto** of **Smithsburg 1.5 SW** (30°).

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Bryans Road 2 ESE	88
Forest Glen	87
Oxon Hill	87
Hollywood 3 ENE	87

##### MINIMUM TEMPERATURE

Davis 3 SE WV	27
Smithsburg 1.5 SW	30
Millers 4 NE	31
Mont. Village 1 SW	31

##### WARMEST AVG. TEMP.

Ridge	61.9
Baltimore 2 SE	61.5
Oxon Hill	59.8

##### COLDEST AVG. TEMP.

Davis 3 SE WV	47.6
Frostburg	52.0
Smithsburg 1.5 SW	54.9
LaVale	55.0

##### MAXIMUM PRECIPITATION

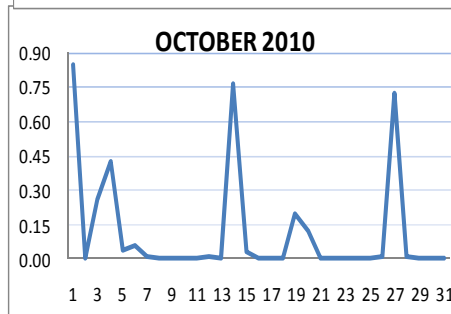
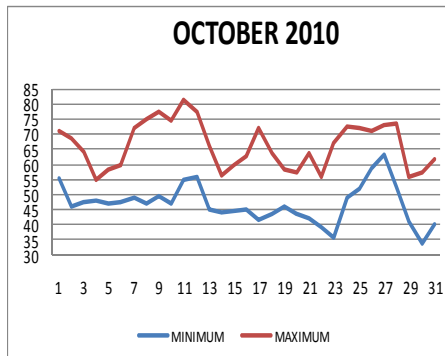
Hollywood 3 ENE	11.80
Townsend UofD DEOS DE	6.43
Bear 2 SW DE	5.62
Middletown 6 N DE	5.49

##### MINIMUM PRECIPITATION

LaVale	0.97
Hagerstown 1 E	2.17
Westminster City	2.44

##### MAXIMUM SNOWFALL

Davis 3 SE WV	T
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### ACON MD/DE Network

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

Lets all welcome a new member. He is **Wes Gleason**. Wes's station ID is **Hollywood 3 ENE** and is located 4.8 miles ESE of Floyd Abell's closed station. Wes's observation times are 0700 for precipitation and 2400 for temperature

# OBSERVER COMMENTS FOR OCTOBER 2010

## **Gary Gallaher of Bear 2 SW, DE**

Seasonal temps. Warm period from the 26th to 28th brought the average up to slightly above normal. No freezing temperatures for the first October since 1995.

**1st** - Heavy pre-dawn tropical rains (3.03") as a tropical moisture fetch departed to the northeast.

**14th** - Steady, soaking, daylong rain.

**26th & 27th** - Warm and muggy.

**27th** - Minimum temperature 66° tied 11/1/1971 & 11/2/1971 for the warmest minimum temperature so late in the year.

## **Nate Mullins of LaVale**

Well below normal precipitation. Above normal temperatures for the 8th consecutive month.

**4th** - Record low max temp 51°, old record 53° set in 2003.

**26th** - Heavy AM fog, PM shower, tornado watch.

**27th** - 57° min temp tied daily record set in 1977.

**30th** - AM frost and freeze.

## **Jeff Stoudt of Laurel 2 E**

October was mostly a tranquil autumn month. The warmth from the 24th to the 28th, especially those low temperatures in the 60's, tipped the temperature scale slightly to the warmer side of average.

## **Marty Sharrow of Owings Mills**

**11th** - Partly sunny and noticeably warmer.

**19th** - Early showers. Thunderstorm 0250-0320.

**29th** - AM fog then sunny and warm.

## **Joe Manfre of Baltimore 2SE**

**23rd** - Partly cloudy, mild, low humidity.

**25th** - Mostly cloudy, mild, humid.

**29th** - Variable clouds, cool, breezy afternoon.

## **Ralph Hartsock of Westminster 4 SSE**

**8th** - Sunny and warm.

**14th** - Rain, heavy at times.

**15th** - Partly cloudy, windy, chilly.

**23rd** - First light frost of the autumn, sunny and milder later.

## **Bobby Miller of Millers 4 NE**

**12th** - Thunder @ 0333. Mostly clear day.

**22nd** - AM scattered / broken Sc/Cu, clear by obs time.

**23rd** - AM frost, period of scattered clouds.

**31st** - Dry FROPA. Afternoon scattered / broken Sc.

## **Ray Muller of Westminster City**

**14th** - Cloudy, cool, blustery, rain heavy at times.

**30th** - Quite cold, scattered frost.

## **Marty Brumback of Bryans Road 2 ESE**

**1st** - 1.45" rain fell between 2000 obs time and 2400 on 9/30.

**27th** - Late afternoon ++TSRA and lightning.

## **Eric Glass of Emmitsburg 2 SE**

**5th** - Heavy clouds, cool.

**6th** - Lots of clouds, cool, pre dawn rain.

**24th** - Light clouds, little sun.

## **Rob Cohen of Potomac 4 N**

**11th** - Record maximum temperature of 82°.

**12th** - Tied record maximum temperature of 78°.

**26th** - Quite muggy.

**29th** - Windy, low 50's during afternoon.

## **Rich Giannola of Olney 1 S**

**14th** - Rain began after sunrise and ended by 5PM.

**15th** - Morning SHRA/TSRA (TSRA at 0400).

## **Richard Holden of Clarksburg 2 ENE**

**19th** - Heavy rain.

**27th** - Heavy rain, AM min temp 69°.

## **Stan Rossen of Glenmont 1 NNE**

**11th** - Thunder was first heard at 8:16 P.M. and the rain followed a minute later. It fell moderately but was over by 8:30 P.M. The thunder ended at 8:34 P.M.

**19th** - The barometer was rather erratic during the first few hours of the day. From a reading of 29.94" at the start of the day it slipped to 29.92" at 12:20 A.M. before shooting up to 29.98" at 12:54 A.M. and then plummeting to 29.90" at 1:16 A.M. It was back up to 29.94" at my special obs. before sliding back to 29.89" at 3:33 A.M. It recovered to 29.92" twenty five minutes later. (Times all EST)

**27th** - The min. temp. of 67° is the warmest min. recorded here so late in the season. A min. of 67° had not been recorded later than 10/13 which occurred in 1990.

## **Kevin Shaw of Gaithersburg 2 WNW**

This month was relatively normal in many respects, but still exhibited the trend over the past several years of very warm min temps. The avg. minimum and avg. mean temps both were the 4th warmest in 32 years of records.

**4th** - Daily record min max temperature of 53°

**11th** - Daily record high max temperature of 82°.

**26th & 27th** - Daily record max minimum temp of 63°.

**30th** - Sunny and nice.

## **Joe Terry of Forest Glen**

**11th** - 87° was the highest temperature so late in the season in this station's 15 year history.

**27th** - Very warm and unusually humid. Mean dew point for the day was 69°. Heavy early afternoon shower (0.30") accompanied by a little thunder.

**28th** - Dew point fell from 63° to 38° midday while temperature rose to a very warm 80°.

## **Brian Smith of Oxon Hill**

**23rd** - Rooftop frost.

**24th** - 0635 halo.

## **John Zyla of Ridge**

**29th** - Cool, windy day.

## **Max Hutto of Smithsburg 1.5 SW**

**4th** - Overnight rain to mid day, cooler, breezy.

**9th** - Sunny, slightly warmer, breezy.

## **Greg Keefer of Hagerstown 1 E**

**1st** - Rain mid to 2AM. Tropical event total 3.45".

**11th** - Partly cloudy warm, 85° record is 87° set in 1902.

## **Lance Shaffer of Sterling 4 N VA**

**14th** - Good soaking rain

**27th** - Too muggy.

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 2010 SUMMARY**

OBSERVER	STATION COUNTY, STATE	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	66.9	45.6	56.3	82	11	33	23	0	0	0	35	WNW	16+	5.62	3.03	1	38.14	10	1	0.0	0.0	0.0	2400
Legates, David	Middletown 6 N	67.6	46.8	57.2	83	11	34	30	0	0	0	26		1	5.49	2.64	1	<u>34.21</u>	14	1	0.0	0.0	0.0	2400
NWS Wilmington	New Castle Co. Apt.	67.3	47.0	57.2	82	11	37	23+	0	0	0	39	NW	16	5.48	3.26	1	39.26	8	1	0.0	0.0	0.0	2400
UofDE AG FARM DEOS***	Newark	66.3	46.5	56.4	82	11	34	23	0	0	0	24		16	4.70	3.07	1	<u>32.02</u>	10	1				2400
U of D REC DEOS***	Townsend 4 W	66.6	47.3	57.0	83	11	35	23	0	0	0	25		16	6.43	3.05	1	<u>34.71</u>	11	1				2400
<i>Sussex, Delaware</i>																								
NWS Georgetown	Sussex Co. Airport	69.3	49.3	59.3	85	11	36	23+	0	0	0	43	SSE	1	4.05	1.11	1	32.69	7	2				2400
U of D REC DEOS***	Georgetown 5 SW	68.5	48.9	58.7	85	11	35	23+	0	0	0	28		1	4.21	1.40	1	<u>27.64</u>	8	1				2400
U of D REC DEOS***	Harbeson 8 S	68.3	48.3	58.3	85	11	35	23	0	0	0	28		27	3.75	0.85	1	<u>31.14</u>	8	0				2400
<i>Allegany, Maryland</i>																								
Latta, Greg	Frostburg	61.9	42.1	52.0	78	11	32	30	0	0	1				3.52	2.22	1	39.16	12	1	0.0	0.0	0.0	0700
Mullins, Nate**	LaVale	64.0	46.0	55.0	80	10	32	30	0	0	1				0.97	0.23	19	31.87	9	0	0.0	0.0	0.0	2400
<i>Anne Arundel, Maryland</i>																								
Hanson, Dan	Pasadena 2 N	68.0	47.3	57.7	86	11	34	30	0	0	0	26	W	1	3.19	0.99	27	<u>41.41</u>	9	0	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	69.5	46.9	58.2	86	11	32	30	0	0	1				2.68	1.00	14	<u>39.21</u>	8	1	0.0	0.0	0.0	1700
NWS Baltimore	BWI Airport	68.4	46.9	57.7	85	11	35	23+	0	0	0	33	W+	16+	2.95	0.87	27	39.47	7	0	0.0	0.0	0.0	2400
Stoudt, Jeff	Laurel 2 E	67.3	50.1	58.7	83	11	38	30	0	0	0				2.62	0.84	14	40.33	9	0	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Sharrow, Marty	Owings Mills 2 SE	65.6	45.9	55.8	82	11	32	30	0	0	1				2.90	0.74	27	34.10	6	0	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	69.5	53.5	61.5	86	11	42	30	0	0	0				3.08	0.81	14	37.67	6	0	0.0	0.0	0.0	2400
Maryland Science Ctr	Baltimore Inner Harbor	69.0	53.4	61.2	85	11	42	30	0	0	0				2.78	0.88	14	38.07	7	0				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	66.0	45.2	55.6	84	11	32	30	0	0	1				3.07	0.84	27	35.95	11	0	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	66.8	48.3	57.6	82	11	32	30	0	0	1				3.45	1.10	1	36.19	7	1	0.0	0.0	0.0	1900
Miller, Bobby	Millers 4 NE	66.9	45.8	56.4	82	11	31	30	0	0	1	40	WSW	28	3.91	1.13	1	37.32	10	1	0.0	0.0	0.0	1800
Muller, Ray	Westminster City	67.3	48.0	57.7	82	9	34	30	0	0	0	29	WNW	25	3.41	0.97	1	33.96	8	0	0.0	0.0	0.0	2100
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Road 2 ESE	69.6	49.3	59.5	88	11	34	30	0	0	0				5.06	1.45	1	36.70	9	3	0.0	0.0	0.0	2400/2000
<i>Frederick, Maryland</i>																								
Glass, Eric	Emmitsburg 2 SE	66.0	44.8	55.4	81	12	33	30	0	0	0				4.22	2.15	1	<u>36.40</u>	9	1	0.0	0.0	0.0	0700
<i>Garrett, Maryland</i>																								
Harvey, Rebecca	Eagle Rock																	<u>4.60</u>						0800

**ACON MD / DE / DC  
OCTOBER 2010 SUMMARY**

OBSERVER	STATION COUNTY, STATE	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	SEA- SON
	<i>Howard, Maryland</i>																								
Giannola, Rich	Laurel JHU / APL	66.5	49.2	57.9	84	11	38	30	0	0	0	36	N	1	2.98	0.80	14	35.24	6	0	0.0	0.0	0.0	2400	
	<i>Montgomery, Maryland</i>																								
Berger, Ron	Norbeck 1 SE	66.8	47.8	57.3	83	11	32	30	0	0	0				3.80	0.99	14	41.03	9	0	0.0	0.0	0.0	2200	
Cohen, Rob	Potomac 4 N	67.5	48.5	58.0	82	11	34	30	0	0	0				3.67	0.93	27	40.81	6	0	0.0	0.0	0.0	2100	
Giannola, Rich	Olney 1 S	67.4	48.4	57.9	84	11	35	30	0	0	0				4.01	0.99	14	38.25	6	0	0.0	0.0	0.0	2400	
Holden, Richard	Clarksburg 2 ENE	66.3	48.1	57.2	83	11	35	30	0	0	0	42	S	25	2.86	0.98	14	39.03	7	0	0.0	0.0	0.0	2400	
Roth, David	Montgomery Village 1SW	67.0	45.5	56.3	83	11	31	30	0	0	1				2.87	1.04	27	<u>38.10</u>	6	1				2400	
Rossen, Stan	Glenmont 1 NNE	68.7	47.2	58.0	85	11	33	30	0	0	0	18	SE	25	2.90	0.90	27	39.61	8	0	0.0	0.0	0.0	2400	
Scafide, Tony	Bethesda	66.2	48.9	57.6	82	11	35	30	0	0	0	19		29	2.89	0.96	14	<u>32.84</u>	8	0				2400	
Shaw, Kevin	Gaithersburg 2 WNW	66.7	47.7	57.2	82	11	35	30	0	0	0	19	NW	16	3.73	1.46	27	39.64	9	1	0.0	0.0	0.0	2400	
Terry, Joe	Forest Glen	70.4	47.3	58.9	87	11	34	30	0	0	0	28	W	16	2.86	0.88	14	41.41	7	0	0.0	0.0	0.0	2400	
	<i>Prince Georges, Maryland</i>																								
Smith, Brian	Oxon Hill	69.2	50.3	59.8	87	11	36	30	0	0	0				3.28	1.33	14	37.06	7	2	0.0	0.0	0.0	2300	
	<i>St. Marys, Maryland</i>																								
Abell, Floyd	Hollywood	STATION CLOSED APRIL 2010															<u>13.13</u>							2400	
Gleason, Wes	Hollywood 3 ENE	<u>71.0</u>	<u>53.3</u>	<u>62.2</u>	87	11	42	23	0	0	0				11.80	7.89	1	<u>11.80</u>	10	3	0.0	0.0	0.0	2400/0700	
Zyla, John	Ridge	69.9	53.9	61.9	83	11	40	30	0	0	0	24	NE+	1+	3.96	1.16	20	46.42	7	1	0.0	0.0	0.0	2400	
	<i>Washington, Maryland</i>																								
Hutto, Max	Smithsburg 1.5 SW	66.3	43.4	54.9	83	11	30	30	0	0	2	27		21	3.12	1.19	14	34.22	12	1	0.0	0.0	0.0	2400	
Keefer, Greg	Hagerstown 1 E	66.9	45.1	56.0	85	11	33	30	0	0	0	34	NW+	1+	2.17	0.86	14	30.16	10	0	0.0	0.0	0.0	2400	
Vaughn, Jim	Smithsburg 2 NE	65.1	46.2	55.7	81	11	35	23	0	0	0	50	S	26	2.94	1.03	14	31.47	8	1	0.0	0.0	0.0	2400	
	<i>Wicomico, Maryland</i>																								
NWS Salisbury	Wicomico Co. Apt	68.8	48.9	58.9	85	11	34	23	0	0	0	39	S	27	6.35	1.74	20	37.26	9	3	0.0	0.0	0.0	2400	
	<i>Arlington, Virginia</i>																								
NWS Washington National Airport	National Airport	70.3	52.8	61.6	88	11	40	30	0	0	0	37	NNW	28	3.40	1.27	27	30.78	8	2	0.0	0.0	0.0	2400	
	<i>Loudon, Virginia</i>																								
NWS Washington Dulles	Dulles Airport	69.0	47.0	58.0	86	11	33	23+	0	0	0	39	NNW	16	2.38	0.96	14	35.13	6	0	0.0	0.0	0.0	2400	
Shaffer, Lance	Sterling 4 N	66.7	49.9	58.3	82	11	37	23	0	0	0				3.09	1.20	14	36.14	7	1	0.0	0.0	0.0	2400	
	<i>Tucker, West Virginia</i>																								
Leshner, Dave	Davis 3 SE WV	56.6	38.5	47.6	72	12	27	30	0	0	6				3.75	1.72	1	43.29	9	1	T	T	6+	T	0700
<b>SECTION AVERAGE*</b>		<b>67.0</b>	<b>46.9</b>	<b>56.9</b>											<b>3.70</b>			<b>36.76</b>					<b>0.0</b>		

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

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

\*\*\* DATA FROM DEOS (DELAWARE ENVIROMENTAL OBSERVING SYSTEM) PERMISSION GRANTED FOR USE OF DATA

\*\*\* REC= UNIVERSITY OF DELAWARE RESEARCH AND EDUCATION CENTER

**NOTES:**

M OR UNDERLINE= MISSING DATA

> = 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 11/30/10

**ACON MD / DE / DC**  
**OCTOBER 2010 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	71	69	66	54	57	60	74	73	78	71	82	76	66	56	62	64	74	65	59	61	65	57	67	71	75	72	76	76	58	58	62	66.9	2400 EDT
MIDDLETOWN 6 N LEGATES	72	70	65	55	58	62	74	75	78	72	83	77	67	55	63	64	75	66	59	59	67	57	69	72	76	72	76	77	57	59	64	67.6	2400 EDT
WILMINGTON , DE NWS NEW CASTLE CO APT	72	69	66	53	58	62	74	76	79	71	82	76	65	57	64	64	74	65	59	61	67	57	67	71	75	70	77	76	58	57	63	67.3	2400 EST
NEWARK AG FARM, DE U OF DE DEOS	71	67	64	53	57	60	73	76	77	71	82	76	65	55	62	64	74	64	59	62	65	56	67	70	75	69	75	76	57	56	61	66.3	2400 EDT
TOWNSEND 4 W, DE U of D REC DEOS	71	67	61	55	56	61	73	74	77	72	83	78	65	55	62	64	73	65	58	57	66	56	67	71	77	73	77	74	57	57	63	66.6	2400 EDT
GEORGETOWN, DE NWS SUSSEX CO APT	76	69	61	57	59	63	74	76	81	79	85	82	68	61	63	66	73	67	61	56	68	58	68	75	77	76	84	79	59	59	67	69.3	2400 EST
GEORGETOWN, DE U of D REC DEOS	77	69	60	57	59	62	73	75	79	79	85	81	68	60	63	65	72	67	60	54	67	57	68	73	74	75	82	78	58	58	66	68.5	2400 EDT
HARBESON 8 S, DE U of D REC DEOS	76	66	61	58	58	63	73	75	79	79	85	81	66	61	62	64	72	65	60	55	67	56	67	74	75	76	82	78	60	58	66	68.3	2400 EDT
FROSTBURG LATTA	62	60	65	58	48	50	49	63	71	74	78	76	72	66	54	52	57	67	60	56	60	55	51	69	74	65	69	69	64	43	61	61.9	0700 EDT
LAVALE MULLINS**	65	66	59	51	54	52	66	72	78	80	78	72	68	56	54	59	72	58	58	58	55	69	72	68	74	72	69	49	60	61	64.0	2400 EDT	
PASADENA 2 N HANSON	72	69	64	54	60	61	74	76	80	75	86	80	65	56	63	65	74	66	58	58	67	58	70	76	74	71	76	77	59	60	65	68.0	2400 EDT
LOTHIAN JUG BAY	73	70	64	54	62	62	75	76	81	80	86	82	70	58	64	67	74	68	62	56	68	59	72	76	77	76	78	77	59	61	68	69.5	1700 EDT
BALTIMORE NWS BWI APT	73	70	64	54	60	60	74	76	81	76	85	81	68	56	63	66	76	65	58	58	68	59	70	75	75	74	76	77	57	60	64	68.4	2400 EST
LAUREL 2 E STOUDT	69	68	62	52	58	59	74	77	79	77	83	78	67	56	62	65	76	65	58	59	64	58	70	75	74	74	74	75	56	60	62	67.3	2400 EST
OWINGS MILLS 2SE SHARROW	68	68	64	50	57	59	73	75	79	75	82	77	65	54	59	63	72	62	57	58	62	56	68	77	71	69	73	72	53	58	58	65.6	2400 EDT
BALTIMORE 2SE MANFRE	74	71	66	57	61	64	75	77	82	76	86	82	68	58	64	67	75	66	60	60	67	59	71	77	75	74	77	78	58	62	66	69.5	2400 EDT
BALT INNER HARBOR MD SCIENCE CENTER	73	70	66	56	61	63	75	77	81	75	85	81	67	60	64	66	77	65	60	60	67	58	71	77	75	72	77	77	57	62	64	69.0	2400 EST
MANCHESTER 1SW CLOSE	68	67	64	52	55	60	71	75	79	76	84	78	65	52	60	62	73	65	59	59	64	56	69	77	72	69	70	73	54	59	60	66.0	2300 EDT
WESTMINSTER 4 SSE HARTSOCK	71	66	66	53	63	63	70	71	76	74	82	80	63	57	63	62	71	67	63	64	63	55	67	75	73	72	74	70	56	60	61	66.8	1900 EDT
MILLERS 4NE MILLER	74	67	65	59	54	57	70	73	78	76	82	76	70	59	60	63	73	68	59	60	63	56	69	75	71	68	71	72	66	59	60	66.9	1800 EDT
WESTMINSTER CITY MULLER	69	66	65	55	58	60	68	79	82	73	81	76	66	54	60	63	74	65	63	61	63	57	69	74	75	72	73	74	60	59	73	67.3	2100 EDT
BRYANS ROAD 2 ESE BRUMBACK	73	70	66	55	62	62	76	77	81	79	88	83	69	59	64	67	75	68	64	57	68	59	71	74	76	76	76	78	57	60	67	69.6	2400 EDT
EMMITSBURG 2 SE GLASS	77	69	65	66	53	56	57	69	74	77	75	81	76	63	55	60	63	73	62	59	59	61	56	70	74	72	73	68	72	53	58	66.0	0700 EDT

**ACON MD / DE / DC**  
**OCTOBER 2010 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	
EAGLE ROCK HARVEY																																		0800 EST
LAUREL JHU / APL GIANNOLA	68	68	62	51	58	58	71	76	78	77	84	79	67	55	60	63	76	64	57	59	65	55	70	76	73	73	74	75	53	57	60	66.5	2400 EDT	
NORBECK 1 SE BERGER	68	68	64	54	47	59	72	75	78	76	83	79	67	56	61	65	75	64	58	59	65	57	69	75	72	72	72	74	57	59	62	66.8	2200 EDT	
POTOMAC 4N COHEN	72	70	68	56	57	57	72	74	78	77	82	78	67	56	61	64	75	63	58	58	65	58	71	76	74	72	73	75	62	60	62	67.5	2100 EDT	
OLNEY 1 S GIANNOLA	68	68	63	54	58	58	73	76	79	77	84	80	68	56	62	66	77	64	56	59	65	59	71	78	73	73	73	76	55	61	60	67.4	2400 EDT	
CLARKSBURG 2ENE HOLDEN	69	68	64	51	57	58	71	75	78	76	83	78	66	55	61	64	75	63	59	59	64	56	69	76	71	71	72	73	54	59	61	66.3	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	70	68	66	54	59	60	71	75	78	75	83	80	67	57	61	65	75	65	58	59	64	57	68	75	73	74	74	73	55	59	62	67.0	2400 EDT	
GLENMONT 1NNE ROSSEN	70	71	64	53	58	60	74	79	80	80	85	80	71	56	61	66	78	65	57	58	68	60	73	78	74	73	75	78	57	63	65	68.7	2400 EST	
BETHESDA SCAFIDE	69	66	63	53	57	58	72	75	78	75	82	79	66	56	60	64	74	65	58	58	64	56	67	73	73	73	73	75	55	58	63	66.2	2400 EDT	
GAITHERSBURG 2WNW SHAW	70	67	64	53	58	59	72	76	78	75	82	79	66	56	61	64	75	64	58	59	65	57	69	74	72	72	73	74	55	59	63	66.7	2400 EDT	
FOREST GLEN TERRY	75	73	66	56	60	62	76	78	83	80	87	83	72	58	65	69	78	67	62	61	69	60	73	77	76	74	76	80	59	61	67	70.4	2400 EDT	
OXON HILL SMITH	73	71	64	55	61	61	75	78	82	79	87	84	70	59	63	67	75	67	63	59	68	58	70	74	75	75	74	77	56	60	65	69.2	2300 EDT	
HOLLYWOOD ABELL																																		2359 EDT
HOLLYWOOD 3 ENE GLEASON									80	79	87	82	70	62	63	67	73	69	64	56	68	68	69	76	76	77	82	78	62	59	67	71.0	2400 EDT	
RIDGE ZYLA	70	69	63	56	65	64	77	76	81	79	83	80	69	63	65	67	74	66	63	57	70	61	70	75	78	77	82	79	61	61	69	69.9	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	68	67	66	53	55	57	70	76	79	78	83	76	64	57	59	64	75	61	60	60	61	55	72	77	73	73	73	72	52	60	59	66.3	2400 EDT	
HAGERSTOWN 1E KEEFER	69	68	65	54	55	57	71	76	81	79	85	78	66	58	59	64	76	61	61	61	62	56	73	78	71	72	72	72	53	61	59	66.9	2400 EDT	
SMITHSBURG 2 NE VAUGHN	67	69	63	53	54	56	68	74	79	77	81	76	65	56	58	62	73	60	58	59	60	54	69	75	71	74	73	70	50	58	57	65.1	2400 EDT	
SALISBURY NWS WICOMICO CO APT	75	70	61	56	59	63	73	75	80	79	85	80	71	61	65	65	71	69	65	54	68	59	66	72	76	74	82	77	59	57	67	68.8	2400 EST	
WASH NATIONAL NWS ASOS	75	72	67	57	63	63	77	79	83	78	88	83	71	61	65	68	76	68	63	59	70	60	70	73	76	74	75	79	58	60	67	70.3	2400 EST	
WASH DULLES NWS ASOS	60	52	53	50	50	52	51	53	54	55	62	63	54	53	50	50	48	54	53	51	50	45	42	55	58	63	68	53	47	40	47	52.8	EST	
WASH DULLES NWS ASOS	73	70	67	56	61	59	74	77	83	79	86	83	68	62	62	66	77	66	61	59	67	58	71	75	74	75	74	78	54	60	64	69.0	2400 EST	
STERLING 4 N SHAFFER	68	67	65	54	57	58	70	74	75	77	82	81	66	58	59	65	75	63	58	59	63	59	70	74	73	74	74	74	54	61	62	66.7	2400 EDT	
DAVIS 3 SE WV LESHAR	58	55	62	48	46	38	44	58	65	69	71	72	68	65	47	44	51	62	59	50	52	50	47	64	68	63	70	63	57	34	54	56.6	0700 EDT	
	45	33	33	39	35	33	34	38	38	49	50	52	39	40	34	36	36	42	40	31	33	29	28	42	49	52	51	47	30	27	28	38.5	EDT	

**ACON MD / DE / DC**  
**OCTOBER 2010 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	3.03		0.09	0.58	0.05	0.06						0.03		0.73				0.04	0.44		T						0.57				5.62	2400	
MIDDLETOWN 6 N LEGATES	2.64		0.10	0.58	0.06	0.02	0.01					0.06		0.74				0.01	0.48	0.01	0.01						0.76	0.01			5.49	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT	3.26		0.05	0.52	0.12	T						0.03		0.73				T	0.27		T						0.50				5.48	2400	
NEWARK AG FARM, DE U OF DE DEOS	3.07		0.07	0.25	0.04	0.01						0.03		0.69	0.01				0.16								0.37				4.70	2400	
TOWNSEND 4 W, DE U of D REC DEOS	3.05		0.13	0.61	0.08	0.04						0.01		0.73					0.74	0.02							0.97	0.05			6.43	2400	
GEORGETOWN, DE NWS SUSSEX CO APT	1.11		1.02	0.20	0.01	T						T		0.63					0.56						T		0.52				4.05	2400	
GEORGETOWN, DE U of D REC DEOS	1.40		0.89	0.21										0.57					0.65	0.01							0.47	0.01			4.21	2400	
HARBESON 8 S, DE U of D REC DEOS	0.85		0.79	0.44	0.02									0.62					0.68								0.31	0.04			3.75	2400	
FROSTBURG LATTA	2.22			0.06	0.10	0.02	0.17							0.20	0.05	0.07						0.01				0.06	0.24		T		3.52	0700	
LAVALE MULLINS**				0.20	0.05	0.08								0.14	0.09			0.02	0.23						0.02	0.14					0.97	2400	
PASADENA 2N HANSON	0.56		0.27	0.52		0.04						0.02		0.65					0.11	0.03							0.99				3.19	2400	
LOTHIAN JUG BAY	0.14			0.43	0.10		0.01							1.00		0.01				0.02								0.97				2.68	1700
BWI NWS ASOS	0.02		0.26	0.62		0.02						T		0.86	T				0.30	T	T				T	T	0.87				2.95	2400	
LAUREL 2 E STOUDT	0.02			0.31	0.43		0.02				0.08			0.84					0.14	0.02						T		0.76				2.62	2400
OWINGS MILLS 2SE SHARROW	0.24		0.20	0.66	T									0.59				T	0.47						T		0.74				2.90	2400	
BALTIMORE 2SE MANFRE	0.42		0.25	0.56		T								0.81					0.40	T							0.64				3.08	2400	
BALT INNER HARBOR MD SCIENCE CENTER	0.06		0.25	0.50		0.01								0.88					0.40								0.68				2.78	2400	
MANCHESTER 1SW CLOSE	0.58		0.02	0.54	0.01	0.04	0.01					0.05		0.82				0.02	0.14							T	T	0.84				3.07	2300
WESTMINSTER 4 SSE HARTSOCK	1.10			0.55			0.03					0.01		0.93					0.23								0.60				3.45	1900	
MILLERS 4NE MILLER	1.13			0.74	0.04	0.03	0.09					0.06		0.73	T				0.17	0.01						T		0.91				3.91	1800
WESTMINSTER CITY MULLER	0.97		T	0.47	T	0.02						0.01		0.92					0.17	0.05						T	0.80				3.41	2100	
BRYANS ROAD 2 ESE BRUMBACK	1.45		0.49	0.56		0.08	0.02							1.22					0.04								1.18	0.02			5.06	2000	
EMMITSBURG 2 SE GLASS	2.15			0.07	0.25	0.17						0.03			0.99				0.18							T	0.30	0.08			4.22	0700	
																															0.0	EDT	

**ACON MD / DE / DC**  
**OCTOBER 2010 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	
EAGLE ROCK HARVEY																																0800 EST		
LAUREL JHU / APL GIANNOLA	0.66		0.24	0.37										0.80					0.29								0.62					2.98 0.0	2400 EDT	
NORBECK 1 SE BERGER	0.67			0.29		0.68		0.02	0.04		0.02			0.99					0.22	T							0.87					3.80 0.0	2200 EDT	
POTOMAC 4N COHEN	0.71		T	0.87			0.10							0.86					0.20								0.93					3.67 0.0	2100 EDT	
OLNEY 1 S GIANNOLA	0.94		>	0.93		0.03								0.99					0.31								0.81					4.01 0.0	2400 EDT	
CLARKSBURG 2ENE HOLDEN			0.28	0.27	T	0.06				T				0.98				T	0.38						T	0.03	0.86					2.86 0.0	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	0.02		0.33	0.33										0.82					0.33								1.04					2.87 0.0	2400 EDT	
GLENMONT 1NNE ROSSEN	0.01		0.52	0.37		0.04					0.02			0.88				T	0.16	T					T	T	0.90					2.90 0.0	2400 EST	
BETHESDA SCAFIDE	0.10		0.50	0.43		0.04								0.96													0.79	0.06			0.01	2.89 -	2400 EDT	
GAITHERSBURG 2WNW SHAW	0.12		0.37	0.32	0.01	0.07								0.96					0.41							0.01	1.46					3.73 0.0	2400 EDT	
FOREST GLEN TERRY	0.10		0.48	0.52		0.06								0.88	T				T	0.01						T	0.81					2.86 0.0	2400 EDT	
OXON HILL SMITH	T		0.34	0.43		0.03								1.33					0.01	0.03							1.11					3.28 0.0	2300 EDT	
HOLLYWOOD ABELL																																	2359 EDT	
HOLLYWOOD 3 ENE GLEASON	7.89			0.71	0.32	0.01	T								1.23	0.01				0.09	0.48	T				T	0.04	1.02				11.80 0.0	0700 EDT	
RIDGE ZYLA	0.38		0.64	0.35								0.01		0.94						1.16	T				T	T		0.48					3.96 0.0	2400 EDT
SMITHSBURG 1.5 SW HUTTO	0.31		0.04	0.47		0.25	0.01					0.01		1.19				0.01	0.26							0.01	0.55	0.01					3.12 0.0	2400 EDT
HAGERSTOWN 1E KEEFER	0.18		0.02	0.33		0.15						0.01		0.86				0.01	0.16							0.01	0.44		T				2.17 0.0	2400 EDT
SMITHSBURG 2 NE VAUGHN	0.65		0.03	0.30		0.09						0.01		1.03					0.26								0.57						2.94 0.0	2400 EDT
SALISBURY NWS WICOMICO CO APT	1.15		0.93	0.22		0.05								0.54	T					1.74	0.01					0.01	1.70						6.35 0.0	2400 EST
WASH NATIONAL NWS ASOS	0.03		0.40	0.38		0.03								1.26				0.01	T	0.02						T	T	1.27					3.40 0.0	2400 EST
WASH DULLES NWS ASOS	0.01		0.29	0.34	T	0.03								0.96					T							T	T	0.75					2.38 0.0	2400 EST
STERLING 4 N SHAFFER	0.02		0.24	0.37	T	0.05	T							1.20	T				0.25	T							0.96	T					3.09 0.0	2400 EDT
DAVIS 3 SE WV LESHAR	1.72			T	0.04	0.29	0.64							0.28	0.05	0.07			0.19	T							T	0.47	T	T	T		3.75 T	0700 EDT