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

**FIRST NORTHEASTER OF THE SEASON  
MID MONTH FROST AND FREEZE**

For the second consecutive month temperatures averaged below normal while precipitation averaged above normal. The only measurable snow fell in the Western Maryland mountains. Temperatures rose into the lower 80's early in the month then frost and freezing temperatures occurred two weeks later. Three evenly spread storms each brought rainfall amounts of one inch or more.

The month began on a warm note. Temperatures rose from near 70 on the first to the low to mid 80's on the 4th. The only observers east of the mountains where the temperature failed to reach 80 were **Bobby Miller of Millers 4 NE** and **Marty Sharrow of Owings Mills** where the maximum only rose to 79 and **Greg Klein of Westminster 5 SSE** who observed 77 degrees.

The first northeaster of the season brought wind and rain on the 6th. This northeaster moved south instead of north along the Atlantic coast. Winds gusted to gale force along the coast. Rainfall amounts of 2 inches or more fell from the Washington DC metropolitan area east to southern Delaware and southwards into Virginia. The heaviest storm amounts totals reported by ACON observers was 4.07" by **John Zyla of Ridge**, 3.54" by **Floyd Abell of Hollywood**, and 2.48" by **Karyn Molines of Jug Bay Wetlands**.

Temperatures rebounded to the mid 70's to 80 degrees on the 10th. **Joe Manfre of Baltimore 2 SE** and **Joe Terry of Forest Glen** each reported 82. 80 degree temperatures was recorded by ACON observers in **St Georges DE**, **Pasadena 3 SW**, **Lothian**, **Laurel 2E**, **Bryan Road 2 ESE**, **Laurel JHU/APL**, **Potomac 4N**, **Oxon Hill**, **Hollywood**, and **Smithsburg 2 NE**. This was the last time in 2006 that the thermometer rose to the 80 degree mark.

A cold front brought wind and

falling temperatures during the PM hours of the 12th. **Greg Keefer of Hagerstown 1 E** reported a wind gust of 42MPH. The temperature at **Bear 2 SW DE** fell from 71° at 1:15 PM on the 12th to 31° at 7:30 AM on the 13th.

Temperatures fell to freezing or below at many stations from the 13th to 16th. To have a four day stretch of freezing temperatures during mid October is very unusual. To verify this point **Jeff Stoudt of Laurel 2 E** noted in his summary for his Reading PA station that this was a new longest streak of that kind before the midpoint of October.

The second major precipitation event occurred on the 17th. One inch plus amounts were reported across the Northern portions of Delaware and Maryland. The heaviest amounts fell in Allegany and Washington Counties where **Max Hutto of Smithsburg 1.5 SW** reported 1.72", **Nate Mullins of LaVale** 1.60", **Greg Latta of Frostburg** 1.52", and **Greg Keefer of Hagerstown 1E** 1.39".

One quarter to three quarters inches of rain fell on the morning of 20th. During the afternoon winds gusted to over 40 MPH and the temperatures fell from the mid 60's to the lower 40's by midnight. **Gary Gallaher of Bear 2 SW DE** reported peak wind gust of 49 MPH, **Jim Vaughn of Smithsburg 2 NE** 48 MPH, **Greg Keefer of Hagerstown 1 E** 45 MPH, and **Joe Terry of Forest Glen** 40 MPH.

Minimum temperatures fell into the 30's and lower 40's from the 21st to the 27th. The first measurable snow of the season fell on the 23rd in the Maryland mountains.

The third and last major storm event occurred on the 27th and 28th. One and a half to two inch rainfall amounts were common. The heaviest amounts fell in portions of New Castle County DE, and Carroll County Maryland. **Ralph Hartsock**

**EXTREMES REPORTED BY**

**ACON OBSERVERS**

**MAXIMUM TEMPERATURE**

Jug Bay Wetlands	87
Baltimore 2 SE	85
Bryans Head 2 ESE	85
Potomac 4 N	85
Glenmont 1 NNE	85
Forest Glen	85

**MINIMUM TEMPERATURE**

Davis 3 SE WV	21
Eagle Rock	24
Parkton 5 SW	26

**WARMEST AVG. TEMP.**

Ridge	59.2
Annapolis 2 N	58.4

**COLDEST AVG. TEMP.**

Davis 3 SE WV	44.9
Eagle Rock	47.1

**MAXIMUM PRECIPITATION**

Davis 3 SE WV	7.26
Ridge	6.50
Laurel 2 E	5.97

**MINIMUM PRECIPITATION**

Parkton 5 SW	3.66
LaVale	3.75

**MAXIMUM SNOWFALL**

Eagle Rock	4.5
Davis 3 SE WV	4.0
Frostburg	1.3

of **Westminster 4 SSE** reported 2.20" and **Bobby Miller of Millers 4 NE** 2.14". Very windy conditions followed the storm. **Jim Vaughn of Smithsburg 2 NE** reported 58 MPH, **Rich Giannola of JHU/APL** 53 MPH, **Bobby Miller of Millers 4 NE** 49 MPH, **Ralph Hartsock of Westminster 4 NNE** and **Greg Keefer of Hagerstown 1 E** both 47 MPH.

# OBSERVER COMMENTS FOR OCTOBER 2006

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

Second consecutive month with below normal temperatures. Three major storm events. Winds gusted to over 30 mph on 6 out of the last 12 days. Freezing temperatures occurred on four consecutive days from the 13th to the 16th.

## **Greg Latta of Frostburg**

5th & 29th - Thunder in the 24 hours ending at 7 AM.

## **Nate Mullins of LaVale**

3rd - Dense early fog then cleared and became partly cloudy and mild.

17th - Light rain began overnight and became moderate to heavy during the morning hours. Rain ended by 2 PM.

14th - 15th - 16th - AM frost.

28th - Thunder-snow in nearby mountain locations.

## **Dave Bryant of Annapolis 2 N**

6th - Rain began AM, moderate rain all day.

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

13th to 16th - Four consecutive near freezing minimum temperatures seemed too early for chill that persistent.

28th - Rain, heavy at times, till daybreak.

## **Al Kreinik of Parkton 5 SW**

3rd - Sunny AM, clouds late afternoon.

28th - Damaging winds.

## **Marty Sharrow of Owings Mills**

11th - Low overcast, humid, and not as warm as yesterday.

13th - First frost of the season.

29th - Abundant sunshine, windy, and cool.

30th - Frosty start, then sunny and milder.

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

1st - AM light rain.

24th - Variable clouds, windy, and cool.

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

13th - First freeze, clear and cold.

17th - Rain, moderate to heavy.

28th - Heavy rain early, clearing and windy.

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

13th - Moderate killing frost.

28th - AM R+ shower with soft hail (graupel) at observation (6PM).

## **Rebecca Harvey of Eagle Rock**

13th - Heavy frost, 1st frost of the season.

24th & 29th - 2" of snow on the ground—greatest for the month.

## **Rich Giannola of JHU/APL**

20th - Wind gust of 45 mph from W at 2:06 PM.

28th - Months minimum barometric pressure 29.16".

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

3rd - All time station October maximum temperature of 85.

13th - First frost on car windows and rooftops.

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

19th & 20th - RA began 7:45 PM on the 19th, ending in the morning of the 20th. Clearing and becoming very windy in the afternoon.

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

11th - High thin overcast with partial lunar corona.

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

Cool, wet month.

6th - Daily rainfall record set.

13th to 15th - Sub freezing temperatures (30, 29, 29). My backyard garden really never did die off until well into November.

28th - Daily rainfall record set.

## **Joe Terry of Forest Glen**

Second wet month in a row with fairly even rain distribution through out the month. Large temperature variability, generally cold with 12 mins in the 30's.

12th - Very brief thunderstorm very early AM. Turning much colder late.

13th - First freeze. 31° minimum is the second earliest for a temperature this low in station history (12 years).

28th - Dew points as high as 66 in AM. Late AM FROPA followed by falling temperatures and a peak wind gust of 40 MPH, which is the highest since April 7, 2006.

## **Brian Smith of Oxon Hill**

1st - Rainbow at 1645 hours.

5th - Max temperature in predawn. Daytime max 67,

14th - Widespread light frost.

## **Floyd Abell of Hollywood**

6th - Heavy rain and windy. 36 MPH peak gust.

15th - Frosty morning.

28th - Early AM rain, then fair, windy at times.

## **John Zyla of Ridge**

6th - 3.91" of rain. Peak wind gust 27 from NE.

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

4th - Distant thunder.

20th - Overnight rain, AM light fog, cloudy, temperatures falling throughout day, very windy.

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

4th - Showers late this evening with some thunder and lightning.

13th - First frost / freeze of the season which is average date for the first freeze.

20th - Overnight rain. Partly cloudy to mostly cloudy and windy with falling temps in to the 40's/ Strong WNW winds gusting to 45 MPH.

28th - Strong W winds gusting to 43 MPH. Some wind damage reported in the area.

## **Jim Vaughn of Smithsburg 2 NE**

3rd - Max temp of 83 ties the daily record.

6th - Max temp of 54 set a new minimum max daily temp.

17th & 28th - New daily rainfall records.

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

15th - Frosty morning, cool finish.

## **Dave Leshner of Davis 3 SE WV**

25th - Max snow on ground for month of 3".

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 2006 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	SEA- SON	
<i>New Castle, Delaware</i>																										
Gallagher, Gary	Bear 2 SW	64.9	43.3	54.1	81	4	30	15	0	0	4	49	WNW	20	5.39	1.27	28	40.69	11	1	0.0	0.0	0.0	2400		
Gallagher, Steve	North St. Georges	66.2	46.5	56.4	83	4	35	13+	0	0	0				5.06	1.86	27-28	41.49	6	3	0.0	0.0	0.0	2200		
NWS Wilmington	New Castle Co. Apt.	64.6	45.1	54.9	81	4	33	15+	0	0	0	45	WNW	20	5.56	1.15	17	43.17	10	2	0.0	0.0	0.0	2400		
U of DE DEOS	UofD AG Farm Newark, DE	65.1	44.2	54.7	83	4	32	15	0	0	2	27		20	5.67	1.92	28	40.58	12	2				2400		
U of D Townsend Farm	Townsend 4 W																	<u>32.82</u>						2400		
<i>Sussex, Delaware</i>																										
NWS Georgetown	Sussex Co. Airport	66.8	46.2	56.5	83	4	32	15	0	0	1	38	NW	20	6.08	2.27	6	40.36	9	2				2400		
U of D Research & Ed Ctr	Georgetown	<u>69.4</u>	<u>48.3</u>	<u>58.9</u>	84	4	32	15	0	0	1	26		20	<u>4.07</u>	2.00	6	<u>37.76</u>	7	1				2400		
U of D Warrington Farm	Harbeson 8 S	<u>65.6</u>	<u>45.1</u>	<u>55.4</u>	82	4	30	15	0	0	2				<u>4.16</u>	2.14	6	<u>31.20</u>	7	1				2400		
<i>Allegany, Maryland</i>																										
Latta, Greg	Frostburg	56.8	38.7	47.8	77	4	27	16	0	0	9				4.29	1.40	18	31.44	17	1	1.3	0.7	29	1.3	0700	
Mullins, Nate**	LaVale	61.9	43.5	52.7	83	4	31	15	0	0	1				3.75	1.60	17	27.85	17	1	T	T	24	T	2400	
<i>Anne Arundel, Maryland</i>																										
Bryant, Dave	Annapolis 2 N	65.4	51.3	58.4	80	4	41	13+	0	0	0				5.13	2.13	6	41.87	5	2	0.0	0.0	0.0	2400		
Hanson, Dan	Millersville 1 SE	Station closed 3/31/2006																								2400
Hanson, Dan	Pasadena 3 SW	67.0	44.3	55.7	85	4	30	13+	0	0	4	33	W	28	5.55	1.89	6	42.08	12	2	0.0	0.0	0.0	2400		
Jug Bay Wetlands	Lothian	68.8	45.8	57.3	87	5	31	13+	0	0	5				5.16	1.85	6	43.52	15	2	0.0	0.0	0.0	0900		
NWS Baltimore	BWI Airport	65.4	44.9	55.2	82	4	32	13+	0	0	3	47	W	28	5.75	1.36	28	35.12	10	2	0.0	0.0	0.0	2400		
Stoudt, Jeff	Laurel 2 E	65.5	46.2	55.9	83	4	33	14+	0	0	0				5.97	1.49	6	40.32	11	2	0.0	0.0	0.0	2400		
<i>Baltimore, Maryland</i>																										
Kreinik, Al	Parkton 5 SW	63.0	40.8	51.9	80	3+	26	15	0	0	6				3.66	1.84	28	36.19	9	2	0.0	0.0	0.0	2200		
Sharrow, Marty	Owings Mills 2 SE	63.2	45.0	54.1	79	3+	32	13+	0	0	2				4.56	1.06	17	36.02	9	1	0.0	0.0	0.0	2400		
<i>Baltimore City, Maryland</i>																										
Manfre, Joe	Baltimore 2 SE	69.0	52.3	60.7	85	4	39	15	0	0	0				5.11	1.23	28	33.85	10	2	0.0	0.0	0.0	1800		
Maryland Science Ctr	Baltimore Inner Harbor	68.3	51.5	59.9	85	4	37	14	0	0	0				<u>4.46</u>	1.18	28	<u>32.81</u>	9	1				2400		
<i>Carroll, Maryland</i>																										
Close Jr, Herb	Manchester 1 SW	63.6	45.4	54.5	81	4	31	12	0	0	1				4.81	1.53	28	34.26	11	2	T	T	24	0.0	2300	
Hartsock, Ralph	Westminster 4 SSE	62.2	42.9	52.6	81	4	29	13	0	0	3	47	WNW	28	5.42	2.09	28	42.56	9	3	0.0	0.0	0.0	2000		
Klein, Greg	Westminster 5 SSE	60.3	43.8	52.1	77	4	32	13	0	0	1				5.07	1.54	28	42.36	8	3	0.0	0.0	0.0	2200		
Miller, Bobby	Millers 4 NE	62.4	42.1	52.3	79	3+	27	13	0	0	5	49	WSW	28	4.54	2.03	28	35.45	11	2	T	T	24	T	1800	
Muller, Ray	Westminster City	63.5	45.2	54.4	81	3	32	15	0	0	1	45	WNW	28	4.66	1.77	28	39.59	8	3	0.0	0.0	0.0	1900		
<i>Charles, Maryland</i>																										
Brumback, Marty	Bryans Head 2 ESE	67.5	46.0	56.8	85	4	33	13+	0	0	0	40		29	4.56	2.04	6	17.29	9	1	0.0	0.0	0.0	2400		
<i>Frederick, Maryland</i>																										
Lawrence, Bryon	Frederick 3 WNW																	<u>21.70</u>						2300		
<i>Garrett, Maryland</i>																										
Harvey, Rebecca	Eagle Rock	56.2	38.0	47.1	76	4	24	13	0	0	12				5.68	1.10	28	37.55	15	1	4.5	2.0	24+	4.5	0800	
<i>Harford, Maryland</i>																										
Albright, Lynn	Fallston 2 NW																							2400		

**ACON MD / DE / DC  
OCTOBER 2006 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	SEA- SON
<i>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	65.1	45.9	55.5	83	4	33	15	0	0	0	53	W	28	5.34	1.24	6	35.28	11	2	0.0	0.0	0.0	2400	
<i>Montgomery, Maryland</i>																									
Cohen, Rob	Potomac 4 N	65.7	44.6	55.2	85	3	31	26	0	0	4				5.00	1.40	6	38.53	8	2	0.0	0.0	0.0	2100	
Giannola, Rich	Olney 1 S	64.3	45.2	54.8	82	4	33	13	0	0	0				5.28	1.62	27-28	38.20	7	2	0.0	0.0	0.0	2400	
Roth, David	Montgomery Village 1SW	64.9	46.1	55.5	84	4	33	14+	0	0	0	19		25	5.30	1.29	6	38.61	10	2	0.0	0.0	0.0	2400	
Rossen, Stan	Glenmont 1 NNE	66.9	43.9	55.4	85	3+	31	14+	0	0	4				4.70	1.29	6	38.38	10	1	0.0	0.0	0.0	2400	
Scafide, Tony	Bethesda	63.3	45.5	54.4	80	4	34	13+	0	0	0	18		28	5.89	1.79	6	34.66	12	2				2400	
Shaw, Kevin	Gaithersburg 2 WNW	63.1	42.9	53.0	80	4	29	14+	0	0	5				5.68	1.29	6	44.35	11	1	0.0	0.0	0.0	2400	
Terry, Joe	Forest Glen	67.2	44.7	56.0	85	4	31	13+	0	0	3	40	SW	20	5.12	1.49	6	39.11	10	2	0.0	0.0	0.0	2400	
Wash Gas Light	Rockville 1 NE	63.7	46.8	55.3	82	4	34	15	0	0	0				4.79	1.11	6	34.75	9	2	0.0	0.0	0.0	2400	
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	66.7	47.5	57.1	83	4	34	13	0	0	0				4.70	2.03	6	42.52	9	2	0.0	0.0	0.0	2300	
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	67.8	47.7	57.8	84	4	34	15+	0	0	0	40		28	5.99	3.42	6	42.18	10	1	0.0	0.0	0.0	2400	
Zyla, John	Ridge	67.6	50.7	59.2	83	4	38	24+	0	0	0	32	W	28	6.50	3.91	6	45.33	10	1	0.0	0.0	0.0	2400	
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	63.5	42.0	52.8	82	4	26	15	0	0	5	38	WNW	28	5.27	1.72	17	38.55	13	2	0.0	0.0	0.0	2400	
Keefer, Greg	Hagerstown 1 E	63.1	42.6	52.9	82	4	28	15	0	0	5	47	W	28	4.66	1.39	17	35.99	11	2	0.0	0.0	0.0	2400	
Vaughn, Jim	Smithsburg 2 NE	64.5	44.4	54.5	84	3	30	15	0	0	2	58	WNW	28	4.09	1.66	28	38.82	11	2	T	T	28	T	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	66.7	43.4	55.1	82	4	29	14+	0	0	5	46	WNW	28	6.90	2.72	6	40.46	9	2	0.0	0.0	0.0	2400	
<i>Arlington, Virginia</i>																									
NWS Washington National	National Airport	66.2	48.4	57.3	82	4	38	14+	0	0	0	48	W	28	5.06	1.31	6	41.05	10	2	0.0	0.0	0.0	2400	
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	65.5	44.3	54.9	83	4	31	13+	0	0	4	46	W	28	4.82	1.05	6	38.93	10	1	0.0	0.0	0.0	2400	
Shaffer, Lance	Sterling 4 N	64.6	46.3	55.5	83	4	33	15	0	0	0				5.49	1.70	5-6	39.69	10	2	0.0	0.0	0.0	2400	
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	52.9	36.9	44.9	71	4+	21	26	0	3	13				7.26	1.42	18	51.39	18	3	4.0	2.3	24	4.0	0700
SECTION AVERAGE*		64.8	45.2	55.0											5.11						0.2				

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

\*\*OBSERVERS FOR LAVALLE ARE DAVID DREWERY AND CHARLES ORLICK. DATA COMPILED BY NATE MULLINS.

**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 1/21/07

**ACON MD / DE / DC  
OCTOBER 2006 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	69	72	80	81	73	55	59	72	78	79	68	71	56	61	60	65	63	74	66	69	60	61	53	49	54	52	51	66	58	65	71	64.9	2400 EDT	
NORTH ST. GEORGES, DE GALLAHER	72	73	82	83	72	56	59	73	79	81	71	71	58	61	62	66	64	75	66	69	60	64	53	52	55	53	54	68	58	67	75	66.2	2200 EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT	70	71	79	81	72	54	59	70	75	78	68	70	54	60	60	62	63	74	65	69	61	61	54	52	55	53	52	67	57	65	71	64.6	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	71	72	81	83	73	54	60	73	79	79	69	71	57	61	60	65	62	74	67	67	60	63	52	49	54	51	50	67	57	67	72	65.1	2400 EST	
TOWNSEND 4 W, DE U of D DE Townsend Farm																																		2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT	72	73	82	83	72	61	63	67	75	79	68	73	57	61	62	65	64	75	73	74	60	62	56	51	56	59	58	70	59	67	74	66.8	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR	74	48	53	60	57	55	56	50	47	50	55	53	37	33	32	35	51	57	58	45	40	37	M	M	M	M	M	M	M	M	M	69.4	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM	71	71	81	82	72	62	63	65	73	76	67	73	57	61	62	63	63	73	74	74	60	62	55	51	54	53	M	M	M	M	55	65.6	2400 EST	
FROSTBURG LATTA	53	63	72	77	76	56	45	47	64	72	72	62	48	49	50	54	55	60	71	74	55	55	60	36	40	42	47	42	48	49	66	56.8	0700 EDT	
LAVALE MULLINS**	68	77	80	83	61	52	54	62	75	74	65	56	56	57	62	60	54	75	75	61	61	64	45	45	47	55	47	50	54	70	73	61.9	2400 EDT	
ANNAPOLIS 2 N BRYANT	72	74	79	80	73	58	57	69	71	75	72	73	58	61	63	63	65	72	69	70	62	62	55	53	55	55	53	63	63	63	69	65.4	2400 EDT	
PASADENA 3 SW HANSON	73	76	82	85	75	59	58	71	78	81	69	73	58	63	64	66	64	75	69	71	63	62	54	52	55	56	52	67	60	70	74	67.0	2400 EDT	
LOTHIAN JUG BAY	68	75	78	84	87	70	55	58	72	80	75	71	74	60	64	66	62	65	78	70	71	64	64	M	M	57	59	65	67	63	73	68.8	0900 EDT	
BALTIMORE NWS BWI APT	70	73	81	82	74	57	57	70	78	79	68	70	55	61	60	64	63	74	68	69	61	62	53	51	54	54	55	63	59	68	73	65.4	2400 EST	
LAUREL 2 E STOUDT	70	74	82	83	74	57	55	70	77	80	68	72	57	62	61	65	63	75	70	68	61	62	52	49	54	54	52	62	60	68	73	65.5	2400 EST	
PARKTON 5SW KREINIK	68	73	80	80	71	54	57	71	78	79	67	68	53	52	58	62	61	75	67	65	58	59	56	46	53	51	43	58	54	65	72	63.0	2200 EDT	
OWINGS MILLS 2SE SHARROW	67	71	79	79	72	59	54	67	75	76	66	67	55	58	58	61	60	70	68	67	61	62	53	48	53	54	55	59	54	64	66	63.2	2400 EDT	
BALTIMORE 2SE MANFRE	71	76	84	85	76	57	58	73	80	82	73	74	61	65	62	66	71	78	72	75	66	67	58	55	58	57	57	68	62	74	78	69.0	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	58	55	63	67	56	52	49	52	50	55	63	48	38	37	38	59	66	58	66	52	49	49	44	44	43	44	48	50	48	45	51	51.5	EST	
MANCHESTER 1SW CLOSE	68	73	80	81	71	53	55	72	80	79	65	68	54	59	60	62	61	76	71	63	60	60	49	46	53	53	46	57	55	68	74	63.6	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK	66	68	77	81	72	57	57	66	72	75	71	68	51	54	55	63	59	73	71	67	57	58	56	49	51	48	46	59	52	62	68	62.2	2000 EDT	
WESTMINSTER 5 SSE KLEIN	64	67	75	77	70	55	53	65	70	74	65	65	52	55	54	60	60	71	68	63	56	56	49	46	50	48	45	56	52	61	66	60.3	2200 EDT	
MILLERS 4NE MILLER	66	71	79	79	74	59	53	70	76	78	69	65	52	56	57	60	58	71	69	63	57	59	55	45	50	51	45	57	52	66	72	62.4	1800 EDT	
WESTMINSTER CITY MULLER	69	70	81	80	74	57	59	68	76	77	69	66	53	57	58	65	62	73	68	66	60	60	53	50	52	53	46	56	54	65	70	63.5	1900 EDT	
BRYANS ROAD 2 ESE BRUMBACK	75	78	83	85	71	58	57	72	78	81	68	74	58	64	64	65	63	79	69	72	64	62	53	53	56	56	55	66	65	72	76	67.5	2400 EDT	

**ACON MD / DE / DC**  
**OCTOBER 2006 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																																		2300 EDT
EAGLE ROCK HARVEY	54 40	60 42	70 42	76 56	74 54	58 42	45 40	50 38	64 44	76 50	72 52	62 42	46 24	48 28	48 28	52 32	56 38	62 48	69 52	70 43	48 32	59 32	60 30	34 28	36 26	38 26	48 26	44 38	48 28	48 34	66 42	56.2 38.0	0800 EST	
FALLSTON 2 NW ALBRIGHT																																		2400 EDT
LAUREL JHU / APL GIANNOLA	70 54	74 50	82 57	83 61	74 56	56 49	55 45	71 51	79 48	80 55	67 58	69 42	56 35	60 35	61 33	64 37	63 53	77 62	68 61	68 47	60 43	61 38	52 39	48 37	52 39	52 38	51 42	62 43	58 36	70 37	74 43	65.1 45.9	2400 EDT	
POTOMAC 4N COHEN	71 48	76 46	85 56	84 59	70 58	59 49	54 47	72 49	79 46	80 51	68 56	65 51	55 33	62 32	63 32	35 35	61 54	78 61	68 58	65 46	63 40	66 37	54 41	49 38	53 35	55 31	42 49	63 44	60 37	73 32	75 40	65.7 44.6	2100 EDT	
OLNEY 1 S GIANNOLA	69 54	73 48	81 57	82 60	73 55	53 49	68 46	77 49	77 48	67 54	67 57	68 44	56 33	61 34	62 35	62 38	62 53	74 60	68 49	65 44	60 41	62 42	53 40	50 37	53 38	54 35	50 43	59 41	59 38	68 35	73 45	64.3 45.2	2400 EDT	
MONTGOMERY VILLAGE ROTH 1SW	70 53	73 47	82 58	84 60	76 57	57 50	53 47	69 50	75 48	78 53	68 58	69 45	56 35	61 33	60 33	63 36	63 53	75 62	69 59	66 48	60 43	63 39	52 40	50 38	53 39	M	51 44	57 41	58 37	67 34	72 43	64.9 46.1	2400 EDT	
GLENMONT 1NNE ROSSEN	73 50	77 45	85 56	85 59	72 56	57 50	55 47	72 49	79 47	80 51	68 55	68 40	65 32	64 31	65 31	63 36	63 52	77 51	67 60	67 45	64 41	66 37	53 39	50 38	54 35	57 37	52 42	61 42	63 35	73 32	76 40	66.9 43.9	2400 EST	
BETHESDA SCAFIDE	69 50	73 48	77 58	80 60	71 55	55 48	67 47	73 51	75 48	68 53	67 58	67 43	54 34	59 34	58 34	61 38	62 53	74 61	68 60	66 46	59 41	60 41	52 39	49 38	52 36	52 34	51 43	60 42	59 37	67 36	73 45	63.3 45.5	2400 EDT	
GAITHERSBURG 2WNW SHAW	68 50	71 43	78 55	80 57	69 55	56 49	54 47	71 49	80 46	75 50	68 55	67 40	54 30	59 29	58 29	62 33	62 52	72 60	69 57	65 45	58 40	61 35	50 38	49 35	52 33	51 32	50 41	57 39	56 37	65 30	69 39	63.1 42.9	2400 EDT	
FOREST GLEN TERRY	74 51	78 46	84 57	85 60	73 56	56 50	55 47	74 49	81 46	82 52	69 57	73 43	58 31	63 32	64 31	65 36	63 53	80 62	69 61	68 45	63 39	63 39	54 39	53 37	56 34	56 34	52 43	63 43	62 36	71 34	76 44	67.2 44.7	2400 EDT	
ROCKVILLE 1NE WASH GAS LIGHT	68 54	72 49	81 58	82 60	72 55	53 49	68 46	79 51	77 57	68 60	67 39	68 36	56 35	58 34	58 34	64 55	60 53	75 60	69 59	64 47	59 43	62 39	52 38	49 39	52 37	53 36	50 43	58 40	57 37	66 36	71 42	63.7 46.8	2400 EST	
OXON HILL SMITH	73 55	78 49	81 58	83 61	75 59	59 52	57 50	72 50	78 50	80 54	69 57	72 42	58 34	63 35	62 36	65 39	64 55	77 61	69 61	69 51	63 44	62 41	55 43	52 41	56 39	54 38	51 44	65 46	62 41	69 38	75 48	66.7 47.5	2300 EST	
HOLLYWOOD ABELL	74 54	76 48	82 62	84 63	72 58	59 54	60 54	70 57	75 50	81 51	69 56	74 51	59 41	62 35	64 34	67 39	65 57	77 64	75 57	76 47	63 42	61 41	55 42	52 37	56 37	56 34	57 44	69 46	65 38	71 37	76 50	67.8 47.7	2359 EDT	
RIDGE ZYLA	74 54	75 51	82 62	83 64	71 60	65 54	68 56	73 53	78 57	78 61	67 57	75 48	65 44	65 41	66 42	66 46	73 60	70 59	75 49	63 45	60 46	56 46	55 45	57 38	56 38	57 39	62 42	69 49	65 46	70 44	75 55	67.6 50.7	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	67 46	74 39	81 54	82 53	67 53	53 50	56 50	69 49	76 45	77 47	71 54	64 38	56 31	57 29	59 26	63 30	61 53	73 51	72 50	64 48	60 37	63 34	51 35	46 37	50 39	52 39	49 40	55 40	55 39	70 29	75 38	63.5 42.0	2400 EDT	
HAGERSTOWN 1E KEEFER	68 47	75 41	80 56	82 55	68 53	53 50	55 49	69 50	75 48	77 49	67 55	63 40	56 30	58 31	60 28	60 31	59 52	74 55	70 46	63 39	60 35	61 36	50 37	47 36	51 37	53 37	47 41	55 40	57 33	69 30	74 39	63.1 42.6	2400 EDT	
SMITHSBURG 2 NE VAUGHN	71 51	75 44	84 57	83 56	70 52	54 49	56 48	73 49	77 48	80 50	70 62	66 39	55 32	58 39	59 30	67 33	62 53	76 53	74 53	66 47	60 40	62 42	49 35	48 38	52 38	53 38	47 37	55 39	55 36	69 41	75 47	64.5 44.4	2400 EDT	
SALISBURY NWS WICOMICO CO APT	71 45	73 40	81 52	82 56	72 56	61 55	64 58	69 47	77 46	81 47	68 51	73 33	57 29	61 29	62 31	65 49	64 54	74 54	73 44	76 44	60 36	61 33	56 44	51 39	55 38	54 34	58 37	69 48	60 31	67 30	73 48	66.7 43.4	2400 EST	
WASH NATIONAL NWS ASOS	73 56	75 51	80 60	82 63	75 63	57 52	58 49	71 53	77 52	80 56	68 59	73 42	56 39	62 38	62 38	64 41	64 55	74 61	70 49	62 41	62 44	55 41	51 40	55 40	54 40	56 40	64 45	62 45	68 39	73 48	66.2 48.4	2400 EST		
WASH DULLES NWS ASOS	72 48	76 44	82 58	83 59	74 56	57 50	54 47	71 50	77 47	80 55	68 42	70 42	56 31	62 32	62 31	63 36	63 53	78 58	67 55	67 47	61 41	62 37	51 39	50 38	55 37	54 37	49 44	63 41	60 34	70 31	73 45	65.5 44.3	2400 EST	
STERLING 4 N SHAFFER	72 52	75 47	81 57	83 61	74 61	57 53	55 48	67 51	71 50	75 53	67 46	69 35	56 34	61 33	61 37	62 53	63 61	75 61	66 58	66 50	60 44	62 39	52 50	50 39	56 37	55 36	48 45	63 44	60 38	69 34	71 41	64.6 46.3	2400 EDT	
DAVIS 3 SE WV LESHER	55 38	56 43	64 46	71 55	61 42	51 36	66 38	70 47	69 49	60 49	42 41	42 24	42 26	43 28	43 28	47 38	57 44	57 44	66 50	67 50	51 31	51 31	28 28	27 22	32 23	32 21	43 23	50 39	46 27	43 31	61 42	52.9 36.9	0700 EDT	

**ACON MD / DE / DC**  
**OCTOBER 2006 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	0.20				0.03	0.99	0.11				0.27						0.93	0.02	0.02	0.73	T						0.82	1.27				5.39 0.0	2400 EDT
NORTH ST GEORGES, DE GALLAHER	0.24					1.05											1.02	T	0.05	0.84							>	1.86				5.06 0.0	2200 EDT
WILMINGTON, DE NWS NEW CASTLE CO APT	0.18				0.07	0.96	0.17				0.43	T					1.15	T	0.04	0.71							0.71	1.14				5.56 0.0	2400 EST
NEWARK AG FARM, DE U OF DE DEOS	0.17				0.04	1.00	0.20				0.15	0.01					0.91	0.08	0.04	0.81							0.34	1.92				5.67	2400 EST
TOWNSEND 4 W, DE U of D DE Townsend Farm																																	2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT	0.14				T	2.27	0.44				0.62						1.02	0.02		0.17		T					0.61	0.79				6.08 -	2400 EST
GEORGETOWN, DE UoD RESEARCH & ED CTR	0.12					2.00	0.44				0.44						0.74	0.13		0.20							M	M	M	M	M	4.07	2400 EST
HARBESON 8 S, DE UoD WARRINGTON FARM	0.11					2.14	0.39				0.43						0.77	0.16		0.16							M	M	M	M	M	4.16 0.0	2400 EST
FROSTBURG LATTA	0.23		0.03		0.18	0.43	0.11	0.13				0.14	0.04				0.12	1.40		0.05		0.10	0.13 T	0.05 0.4	0.03 0.2		T	0.96	0.16 0.7			4.29 1.3	0700 EDT
LAVALE MULLINS**	0.16		0.05	0.08	0.10	0.46	0.18	0.07			0.04	0.03		0.01			1.60		0.01	0.05		T	0.01	T T			0.46	0.42	0.02		T	3.75 T	2400 EDT
ANNAPOLIS 2 N BRYANT						2.13						0.10					0.50			0.38								2.02				5.13 0.0	2400 EDT
PASADENA 3 SW HANSON	0.20				0.08	1.89	0.42			0.01		0.07			0.01		0.64		0.04	0.51							0.67	1.01				5.55 0.0	2400 EDT
LOTHIAN JUG BAY	0.11	0.02	0.01			1.85	0.63	T		0.01	0.01	0.01	T	T	T	T	0.04	0.57	0.01	0.23	0.02	T	T	M	M			1.63	0.01			5.16 0.0	0900 EDT
BWI NWS ASOS	0.09		T		0.19	1.30	0.40				T	0.03					0.99	T	0.11	0.38		T					0.90	1.36				5.75 0.0	2400 EST
LAUREL 2 E STOUDT	0.13		T		0.24	1.49	0.45				T	0.06					0.90	0.01	0.13	0.46							0.98	1.12				5.97 0.0	2400 EST
PARKTON 5SW KREINK	0.07		0.03		T	1.15	0.02	T				T					0.33	0.03		0.11			T				0.08	1.84				3.66 0.0	2200 EDT
OWINGS MILLS 2SE SHARROW	0.08				0.16	0.75	0.18				T	T					1.06		0.11	0.37							0.94	0.91				4.56 0.0	2400 EDT
BALTIMORE 2SE MANFRE	0.08				0.16	1.00	0.45				T	0.05					0.84		0.03	0.49							0.78	1.23				5.11 0.0	1800 EDT
BALT INNER HARBOR MD SCIENCE CENTER	0.05				0.18	0.86	0.55					0.07					0.71	M	0.03	M							0.83	1.18				4.46 -	2400 EST
MANCHESTER 1SW CLOSE	0.13		T		0.09	0.91	0.16				0.01	T					1.12	0.01	0.05	0.26				T T			0.54	1.53				4.81 T	2300 EDT
WESTMINSTER 4 SSE HARTSOCK	0.09					1.32	0.07				0.02						1.34			0.37		0.01					0.11	2.09				5.42 0.0	2000 EDT
WESTMINSTER 5 SSE KLEIN	0.09				0.02	1.33	0.06										1.20			0.38							0.45	1.54				5.07 0.0	2200 EDT
MILLERS 4NE MILLER	0.09			T	T	0.81	0.01	0.03			T	T					1.11	0.01	T	0.29		T	0.04	T T			0.11	2.03	0.01			4.54 T	1800 EDT
WESTMINSTER CITY MULLER	0.12		T		T	1.07	0.03				T	T					1.03			0.30		0.06		T			0.28	1.77				4.66 0.0	1900 EDT
BRYANS ROAD 2 ESE BRUMBACK	0.14				0.20	2.04						0.03					0.61		0.03	0.26							0.53	0.72				4.56 0.0	2400 EDT

**ACON MD / DE / DC**  
**OCTOBER 2006 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																																2300 EDT	
EAGLE ROCK HARVEY	0.36				0.65	0.67	0.20	0.17				0.37	T				0.75	0.75		0.08			0.12 0.3	0.22 2.0	0.02 0.2	0.02	T	1.10	0.20 2.0	T		5.68 4.5	0800 EST
FALLSTON 2 NW ALBRIGHT																																2400 EDT	
LAUREL JHU / APL GIANNOLA	0.06				0.20	1.24	0.55				0.01	0.04				0.99		0.03	0.47							0.69	1.06				5.34 0.0	2400 EDT	
POTOMAC 4N COHEN	0.15				T	1.40	0.65				T	0.04				0.85		T	0.46		T					0.40	1.05				5.00 0.0	2100 EDT	
OLNEY 1 S GIANNOLA	0.12				>	1.47	0.58				T	0.03				0.89		>	0.57		T					>	1.62				5.28 0.0	2400 EDT	
MONTGOMERY VILLAGE ROTH 1SW	0.14				0.08	1.29	0.51					0.08				0.71	0.01		0.85						M	0.61	1.02				5.30 0.0	2400 EDT	
GLENMONT 1NNE ROSSEN	0.07		T		0.19	1.29	0.31				T	0.03				T	0.81		0.17	0.32		T				0.89	0.62				4.70 0.0	2400 EST	
BETHESDA SCAFIDE	0.08				0.46	1.79	0.18	0.01				0.07				0.84	0.01	0.03	0.56								0.78	1.08				5.89 -	2400 EDT
GAITHERSBURG 2WNW SHAW	0.16	0.01			0.30	1.29	0.71				T	0.10				0.90	T	0.20	0.51							0.58	0.92				5.68 0.0	2400 EDT	
FOREST GLEN TERRY	0.10				0.33	1.49	0.14				T	0.05				0.88		0.03	0.44							0.66	1.00				5.12 0.0	2400 EDT	
ROCKVILLE 1NE WASH GAS LIGHT	0.09				0.19	1.11	0.65									0.80		0.07	0.45							0.43	1.00				4.79 0.0	2400 EDT	
OXON HILL SMITH	0.23		T		0.05	2.03	T				T	0.06				0.57	T	0.01	0.24		T					0.44	1.07				4.70 0.0	2300 EST	
HOLLYWOOD ABELL	0.16				0.10	3.42	0.02									0.63	0.03	0.01	0.30		T					0.69	0.63				5.99 0.0	2359 EDT	
RIDGE ZYLA	0.13		T			3.91	0.16				0.03					0.42	0.03	0.05	0.44		T					0.61	0.72				6.50 0.0	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	0.11	0.01		0.05	0.09	0.64	0.06				0.01					1.72	0.01	0.08	0.66							0.73	1.10				5.27 0.0	2400 EDT	
HAGERSTOWN 1E KEEFER	0.11			0.05	0.05	0.52	0.02				0.01					1.39		0.06	0.67		T					0.73	1.05				4.66 0.0	2400 EDT	
SMITHSBURG 2 NE VAUGHN	0.07			0.05	0.03	0.57	0.02				T					1.03	0.02	0.05	0.33							0.26	1.66 T				4.09 T	2400 EDT	
SALISBURY NWS WICOMICO CO APT	0.03					2.72	0.24				0.98					0.85			0.28		0.01					0.73	1.06				6.90 0.0	2400 EST	
WASH NATIONAL NWS ASOS	0.20		T		0.73	1.31	0.01					0.23				T	0.55	T	0.02	0.22		T				0.75	1.04				5.06 0.0	2400 EST	
WASH DULLES NWS ASOS	0.12		T		0.63	1.05	0.49				T	0.11				T	0.77		0.06	0.39		T				0.72	0.48				4.82 0.0	2400 EST	
STERLING 4 N SHAFFER					0.57	>	1.70	T			0.01	0.09				1.06	T	0.06	0.44	T	0.01					0.72	0.83				5.49 0.0	2400 EDT	
DAVIS 3 SE WV LESHER	0.69			0.01	1.31	0.38	0.45 T	0.02				0.60	0.07				0.21	1.42		0.08	0.15		0.13 T	0.24 2.3	0.13 1.3	T T	0.06	1.07	0.24 0.4		7.26 4.0	0700 EDT	