



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

ATLANTIC COAST OBSERVER NETWORK, MD / DE / DC CHAPTER

SUNNY, WARM, DRYNESS INTENSIFIES

September, weather-wise, was a quiet month. Warm temperatures dominated most of the month. September was also a very sunny month. **Greg Keefer** of **Hagerstown 1E** noted in his remarks that this month was an unusually sunny September.

Despite eight tropical storms which formed in the Atlantic Basin this month none directly effected the region. The only indirect effect was moisture from Hurricane Humberto. Humberto made landfall in southeastern Texas on the 13th and dissipated over central Mississippi on the 14th. Moisture moved northeast and interacted with a strong cold front. **Floyd Abell** of **Hollywood** and **John Zyla** of **Ridge** reported the only daily one inch amounts in Maryland and Delaware for the entire month on the 15th. For the complete September summary from the National Hurricane Center see: http://www.nhc.noaa.gov/archive/2007/tws/MIATWSAT_sep.shtml?

The first two days of September saw seasonal temperatures, dry conditions, and sunny skies. Summer-like conditions returned from the 3rd to the 10th. Maximum temperatures were generally in the 80's to the lower 90's and minimums in the 60's. The summer-like heat and humidity peaked on the 10th.

The first rains of the month occurred on the 10th and 11th. Amounts were generally around a quarter of an inch. The heaviest reported by ACON observers in Maryland or Delaware was 0.99" by **Nate Mullins** of **LaVale** and 0.86" by **Marty Brumback** of **Bryans Road 2 ESE**. **Dave Leshner** of **Davis 3 SE WV** reported 1.24".

Cooler and more seasonal temperatures followed the cold front. The second of the four rain events of the month occurred on the 14th and 15th.

Amounts were generally less than a quarter of an inch. Heavier amounts fell in the southern portion of the region. Over an inch of rain fell in St. Marys County and a little less than an inch fell in Sussex County Delaware.

The coolest air of the month followed from the 16th to the 18th. Temperatures fell into the mid to upper 30's at some stations from Carroll County westward into West Virginia. **Rebecca Harvey** of **Eagle Rock** recorded her first frost of the season with 34 degrees on the morning of the 16th.

Above normal temperatures returned on the 21st. They remained for the balance of the month. The 25th and 26th were the warmest. Light isolated showers associated with the passage of a cold front fell on the 22nd. Clear skies along with bright sunshine and low humidity followed on the 23rd and 24th.

The last summer-like maximum temperatures occurred from the 25th to the 27th. Maximum temperatures ranged from the mid 80's to the lower 90's. The 26th was the hottest day. ACON observers **Joe Manfre** of **Baltimore 2 SE** reported 95 degrees and **Joe Terry** of **Forest Glen** 94 degrees.

Along with the heat and humidity showers and thunderstorms popped up from the 26th to the 28th. **Greg Keefer** of **Hagerstown 1E** reported evening thunderstorms on the 26th and 27th that dumped a total of 0.82". **Stan Rossen** of **Glenmont 1 NNE** reported 0.67" on the 27th. **Greg Latta** of **Frostburg** reported 0.59", **Eric Glass** of **Emmitsburg 2 SE** 0.54", **Kevin Shaw** of **Gaithersburg 2 WNW** 0.55", and **Lance Schaffer** of **Sterling 4N VA** 0.51".

The final two days of the month was sunny, dry, with maximum temperatures in the 70's and minimums temperatures in the 50's.

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	95
Baltimore 2 SE	95
Frederick 3 WNW	94
Mont. Village 1 SW	94
Glenmont 1 NNE	94
Forest Glen	94

MINIMUM TEMPERATURE

Eagle Rock	34
Davis 3 SE WV	34
Frostburg	36
Millers 4 NE	37

WARMEST AVG. TEMP.

Baltimore 2 SE	76.5
Ridge	73.6
Oxon Hill	73.1
Hollywood	72.5

COLDEST AVG. TEMP.

Davis 3 SE WV	61.6
Frostburg	63.4
Eagle Rock	64.3
Emmitsburg 2 SE	67.0

MAXIMUM PRECIPITATION

Davis 3 SE WV	2.96
Frostburg	1.88
LaVale	1.84
Bryans Road 2 ESE	1.80

MINIMUM PRECIPITATION

Townsend 4 W DE	0.42
Owings Mills 2 SE	0.44
Baltimore 2 SE	0.70
Manchester 1 SW	0.71
Parkton 5 SW	0.72

OBSERVER COMMENTS FOR SEPTEMBER 2007

Gary Gallaher of Bear 2 SW, DE

Quiet, sunny month. One of the sunniest if not the sunniest month ever. Lack of clouds allowed for cool nights with plenty of dew accompanied by some thin ground fog and warm days. Yards browned for the first time this year. Only September in 41 years with less than an inch of rain. Driest on record. Old record was 1.23" set in 1970.

Greg Latta of Frostburg

15th - Damaging winds reported between 7AM 9/14 & 7AM 9/15.

Nate Mullins of LaVale

Scott Lohr has taken over the observing duties. September was the 4th driest and 4th warmest in 16 years of records.

27th - Large hail reported south of station.

Dan Hanson of Pasadena 2 N

Station moved 3 miles ESE of previous location and reopened on the 20th.

Jeff Stoudt of Laurel 2 E

May through September rainfall totaled only 9.58". Summer warmth dominated, save for a few days of moderate coolness just after mid month.

Al Kreinik of Parkton 5 SW

6th - AM fog.

Marty Sharrow of Owings Mills

2nd - A stellar Day!!

7th - Sunny and hot.

17th - Cold start, sunny and comfortable.

26th - Hazy sun with a few scattered clouds and hot.

Joe Manfre of Baltimore 2SE

1st - Sunny, warm, low humidity.

7th - Partly cloudy, hot, humid.

Ralph Hartsock of Westminster 4 SSE

11th - Finally some showers, cloudy, and cooler.

22nd - Drizzle early, sunny and hot later.

27th - Sunny, hot, late thunderstorms.

Bobby Miller of Millers 4 NE

Driest September of 27 on record. Excellent harvesting conditions but precipitation needed.

26th - Latest 90° maximum temperature on record. Old record was 91° on 9/19/1983.

Ray Muller of Westminster City

Extremely dry month with above normal temperatures.

27th - Cold front brings showers, late thunderstorms.

Eric Glass of Emmitsburg 2 SE

13th - Bright, clear, cooler, crisp.

Rebecca Harvey of Eagle Rock

16th - First light frost of the season.

Rob Cohen of Potomac 4 N

27th - Distant thunder at observation.

Kevin Shaw of Gaithersburg 2 WNW

Only 5 days with measurable precipitation. Adding to the arid conditions was an abundance of very warm days, many well into the 80's along with two in the 90's.

8th - 90° set a daily record.

10th - 71° set a daily maximum minimum temperature.

Joe Terry of Forest Glen

Generally hot and dry, but a one week interruption from the heat occurred mid month. The heat, low humidity and few cloudy days was basically a continuation of the desert like conditions of the summer.

26th - 94° second hottest day so late in the season in station history.

Floyd Abell of Hollywood

10th - Early AM fog, afternoon and evening showers.

28th - Fair, breezy at times.

John Zyla of Ridge

First September in 13 years of record without a thunderstorm.

Max Hutto of Smithsburg 1.5 SW

11th - AM rain, warm, humid, breezy.

16th - 37° coldest since 5/14.

27th - PM thunderstorms in area, windy.

Greg Keefer of Hagerstown 1 E

September was one of the sunniest months ever recorded with an average sunshine percentage of 81.5%. The only other September to come close was September 2005 with 73.3%.

4th - Bright, 100% sunshine.

15th - Cooler, north winds gusting to 39 MPH.

26th - Thunderstorms late afternoon and evening. First storm was intense with strong winds, frequent lightning, and brief heavy rains along with 39 MPH wind gusts. Some wind damage reported from the storms.

Jim Vaughn of Smithsburg 2 NE

Third driest September.

New daily maximum minimum temperatures set on the 6th, 7th, 8th, 9th, 10th, 11th, 22nd, and 26th. New daily minimum maximum temperatures set on the 15th. New daily maximum temperature set on the 25th.

Lance Shaffer of Sterling 4 N VA

20th - Foggy morning.

21st - Foggy morning.

28th - Awesome fall weather!

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
SEPTEMBER 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	81.0	55.7	68.4	91	7+	43	16+	3	0	0	34	NW	28	0.75	0.43	11	34.36	5	0	0.0	0.0	0.0	2400
NWS Wilmington	New Castle Co. Apt.	81.9	59.1	70.5	92	26	45	16	2	0	0	32	W	28	0.49	0.21	22	29.38	3	0	0.0	0.0	0.0	2400
U of DE DEOS	UofD AG Farm Newark, DE	82.4	57.7	70.1	93	7	44	16+	3	0	0	21		15	0.73	0.28	11	29.83	5	0				2400
U of D Townsend Farm	Townsend 4 W	81.1	56.1	68.6	91	26	42	16	2	0	0	26		12	0.42	0.25	15	<u>19.62</u>	4	0				2400
<i>Sussex, Delaware</i>																								
NWS Georgetown	Sussex Co. Airport	81.7	58.4	70.1	90	10+	48	30	3	0	0	25	NNW	15	1.14	0.85	15	23.89	5	0				2400
U of D Research & Ed Ctr	Georgetown	82.0	57.5	69.8	91	10	46	30	2	0	0	15		15	0.94	0.88	15	<u>19.57</u>	3	0				2400
U of D Warrington Farm	Harbeson 8 S	<u>81.6</u>	<u>61.2</u>	<u>71.4</u>	91	11	53	13	1	0	0	23		11	<u>0.05</u>	0.02	10+	<u>17.11</u>	3	0				2400
<i>Allegany, Maryland</i>																								
Latta, Greg	Frostburg	75.2	51.5	63.4	87	9	36	16+	0	0	0				1.88	0.58	28	31.56	6	0	0.0	0.0	0.0	0700
Mullins, Nate**	LaVale	75.8	57.0	66.4	92	8	41	16	3	0	0				1.84	0.58	14	26.23	5	0	0.0	0.0	0.0	2400
<i>Anne Arundel, Maryland</i>																								
Hanson, Dan	Pasadena 2N	<u>82.7</u>	<u>58.7</u>	<u>70.7</u>	91	26	49	30	1	0	0				<u>0.17</u>	0.16	22	<u>21.60</u>	2	0	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	85.1	58.2	71.7	95	11	42	16	10	0	0				1.39	0.70	15	24.43	10	0	0.0	0.0	0.0	0900
NWS Baltimore	BWI Airport	82.6	58.5	70.6	93	26	44	16	6	0	0	30	WNW	15	0.35	0.14	10	23.57	4	0	0.0	0.0	0.0	2400
Stoudt, Jeff	Laurel 2 E	82.7	60.3	71.5	92	7+	47	16+	7	0	0				0.69	0.34	10	23.87	5	0	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Kreinik, Al	Parkton 5 SW	82.0	54.5	68.3	93	8	40	17	4	0	0				0.72	0.25	11	25.04	4	0	0.0	0.0	0.0	2200
Sharrow, Marty	Owings Mills 2 SE	80.4	57.8	69.1	91	7	42	17	1	0	0				0.44	0.24	11	18.93	4	0	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	85.2	67.7	76.5	95	26	55	16	11	0	0				0.70	0.30	27	21.43	6	0	0.0	0.0	0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	85.2	67.6	76.4	94	7+	55	16	11	0	0				0.87	0.47	27	20.94	6	0				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	81.3	59.7	70.5	92	26	43	16	4	0	0				0.71	0.32	11	28.22	6	0	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	78.8	55.6	67.2	90	26	40	17	1	0	0				0.86	0.36	28	<u>27.40</u>	4	0	0.0	0.0	0.0	2000
Klein, Greg	Westminster 5 SSE	77.1	57.3	67.2	86	7+	44	16	0	0	0				0.73	0.38	28	26.87	3	0	0.0	0.0	0.0	2200
Miller, Bobby	Millers 4 NE	80.6	55.0	67.8	90	8+	37	17	2	0	0	39	NNW	15	0.71	0.25	26	26.86	5	0	0.0	0.0	0.0	1800
Muller, Ray	Westminster City	81.2	58.8	70.0	91	8+	43	16	3	0	0	30	NNW	28	0.92	0.44	28	26.46	3	0	0.0	0.0	0.0	1900
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Road 2 ESE	83.3	60.5	71.9	92	4+	49	30	8	0	0	24		28	1.80	0.86	10	<u>21.13</u>	4	0	0.0	0.0	0.0	2400
<i>Frederick, Maryland</i>																								
Glass, Eric	Emmitsburg 2 SE	80.2	53.7	67.0	90	8+	39	17	2	0	0				1.03	0.54	28	<u>21.53</u>	4	0	0.0	0.0	0.0	0700
Lawrence, Bryon	Frederick 3 WNW	82.0	55.4	68.7	94	8	38	17	6	0	0				1.00	0.45	11	<u>10.35</u>	6	0	0.0	0.0	0.0	2300
<i>Garrett, Maryland</i>																								
Harvey, Rebecca	Eagle Rock	75.8	52.8	64.3	86	7+	34	16	0	0	0				1.64	0.65	11	36.66	5	0	0.0	0.0	0.0	0800

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

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		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	81.8	59.4	70.6	92	8+	46	16+	3	0	0	30	NW	15	0.68	0.26	27	20.24	5	0	0.0	0.0	0.0	2400
<i>Montgomery, Maryland</i>																								
Cohen, Rob	Potomac 4 N	82.1	59.6	70.9	91	7+	44	16+	5	0	0				1.30	0.63	11	23.28	5	0	0.0	0.0	0.0	2100
Giannola, Rich	Olney 1 S	81.0	59.9	70.5	91	7+	45	16	3	0	0				0.82	0.36	10-11	24.23	3	0	0.0	0.0	0.0	2400
Roth, David	Montgomery Village 1SW	82.4	60.6	71.5	94	7	46	16+	9	0	0	15		15	1.00	0.42	27	20.85	4	0	0.0	0.0	0.0	2400
Rossen, Stan	Glenmont 1 NNE	84.1	58.0	71.1	94	7+	44	16+	9	0	0	11		27	1.16	0.67	27	23.71	7	0	0.0	0.0	0.0	2400
Scafide, Tony	Bethesda	78.7	61.0	69.9	87	7+	46	16+	0	0	0	15	NW	28	0.82	0.41	27	<u>18.27</u>	7	0				2400
Shaw, Kevin	Gaithersburg 2 WNW	79.9	58.6	69.3	91	7	44	16+	2	0	0				1.14	0.50	27	23.00	5	0	0.0	0.0	0.0	2400
Terry, Joe	Forest Glen	84.7	59.4	72.1	94	26	45	16+	10	0	0	22	SW	15	0.78	0.29	27	24.51	6	0	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	83.5	62.7	73.1	92	4+	49	17	7	0	0				0.84	0.32	14	24.09	6	0	0.0	0.0	0.0	2300
<i>St. Marys, Maryland</i>																								
Abell, Floyd	Hollywood	83.7	61.2	72.5	92	4+	49	17	7	0	0	23		15	1.23	1.00	15	25.35	4	1	0.0	0.0	0.0	2400
Zyla, John	Ridge	82.5	64.7	73.6	91	11	53	17	1	0	0	26	E	11	1.71	1.23	15	24.21	5	1	0.0	0.0	0.0	2400
<i>Washington, Maryland</i>																								
Hutto, Max	Smithsburg 1.5 SW	80.2	54.3	67.3	90	7+	37	16+	3	0	0	26	N+	15+	0.79	0.30	11	27.63	8	0	0.0	0.0	0.0	2400
Keefer, Greg	Hagerstown 1 E	80.6	56.7	68.7	91	8	40	16+	4	0	0	39	N+	15+	1.27	0.64	26	28.55	6	0	0.0	0.0	0.0	2400
Vaughn, Jim	Smithsburg 2 NE	79.7	58.8	69.3	90	8+	41	16	2	0	0	46	SW	27	0.75	0.37	11	24.91	6	0	0.0	0.0	0.0	2400
<i>Wicomico, Maryland</i>																								
NWS Salisbury	Wicomico Co. Apt	81.5	53.1	67.3	91	10	40	30	1	0	0	43	NW	11	1.49	0.53	11	26.65	7	0	0.0	0.0	0.0	2400
<i>Arlington, Virginia</i>																								
NWS Washington Natl	National Airport	82.3	63.5	72.9	91	4	50	17	4	0	0	31	WNW+	15+	0.60	0.41	10	21.64	3	0	0.0	0.0	0.0	2400
<i>Loudon, Virginia</i>																								
NWS Washington Dulles	Dulles Airport	83.8	58.6	71.2	94	7	43	16	10	0	0	31	NW	28	1.40	0.59	27	19.04	4	0	0.0	0.0	0.0	2400
Shaffer, Lance	Sterling 4 N	81.5	60.8	71.2	91	7+	46	16+	2	0	0				1.44	0.69	10-11	21.50	4	0	0.0	0.0	0.0	2400
<i>Tucker, West Virginia</i>																								
Leshner, Dave	Davis 3 SE WV	71.5	51.6	61.6	83	7	34	16+	0	0	0				2.96	1.17	15	51.91	5	1	0.0	0.0	0.0	0700
SECTION AVERAGE*		81.4	58.5	70.0											1.00		24.90			0.0		0.0		

NOTES:

M OR UNDERLINE = MISSING DATA + FIRST OF SEVERAL OCCURANCES
 > = INCLUDED IN NEXT DAYS DATA
ITALIC = ESTIMATED DATA

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

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

+ FIRST OF SEVERAL OCCURANCES

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 3/22/08

ACON MD / DE / DC
SEPTEMBER 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	AVG	OBS TIME	
BEAR 2 SW, DE	81	81	84	86	85	85	91	90	85	89	77	77	80	78	71	67	71	72	78	75	85	84	81	82	87	91	85	79	76	77	81.0	2400	
GALLAHER	56	51	54	61	58	66	64	65	62	72	70	54	51	64	53	43	43	44	49	50	52	61	53	47	53	58	63	59	49	46	55.7	EDT	
WILMINGTON , DE	83	81	85	87	85	86	88	89	86	90	78	78	79	81	73	68	73	74	79	77	84	84	83	82	88	92	85	81	78	79	81.9	2400	
NWS NEW CASTLE CO APT	58	55	61	65	61	68	70	68	67	75	69	56	54	67	50	45	46	47	51	54	55	66	57	52	60	64	68	60	53	51	59.1	EST	
NEWARK AG FARM, DE	83	82	87	86	86	88	93	92	88	89	78	77	81	80	71	69	73	74	80	77	87	86	81	84	89	92	87	80	77	78	82.4	2400	
U OF DE DEOS	59	54	57	63	61	67	66	66	64	74	69	56	53	65	54	44	44	46	52	52	54	63	58	51	55	62	65	59	53	49	57.7	EST	
TOWNSEND 4 W, DE	81	81	84	86	85	87	89	90	86	88	79	77	80	79	71	66	71	71	77	76	85	86	83	81	88	91	87	80	75	77	81.1	2400	
U of D DE Townsend Farm	55	52	56	62	58	60	66	67	61	70	68	54	49	63	51	42	45	45	49	50	54	61	55	49	55	63	67	57	51	49	56.1	EST	
GEORGETOWN, DE	81	80	85	89	86	87	90	89	86	90	89	81	81	81	74	68	72	71	75	75	79	85	83	80	86	90	83	81	76	78	81.7	2400	
NWS SUSSEX CO APT	62	56	55	65	63	63	65	63	60	68	72	57	54	59	54	49	49	51	54	55	59	67	56	53	63	63	66	62	52	48	58.4	EST	
GEORGETOWN, DE	82	84	90	87	88	87	89	89	87	91	88	81	81	80	74	68	71	71	75	75	79	85	84	81	86	89	83	81	75	79	82.0	2400	
UofD RESEARCH & ED CTR	54	55	65	59	62	63	63	63	58	67	72	57	53	59	53	47	47	50	54	53	58	66	56	50	52	65	66	61	52	46	57.5	EST	
HARBESON 8 S, DE	78	77	85	88	81	85	86	M	82	87	91	80	78	63	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	81.6	2400	
UofD WARRINGTON FARM	61	54	54	64	61	62	64	M	73	67	71	56	53	57	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	61.2	EST	
FROSTBURG	76	75	77	79	82	81	83	86	87	79	78	70	67	74	70	57	61	65	69	73	76	80	80	77	77	85	81	78	66	68	75.2	0700	
LATTA	49	50	52	57	58	59	60	64	62	62	64	53	46	47	49	36	36	40	44	45	50	50	56	49	49	56	60	55	44	44	51.5	EDT	
LAVALE	80	82	85	89	86	90	90	92	87	86	70	71	70	67	58	58	58	58	68	71	79	86	75	72	80	82	80	68	69	67	75.8	2400	
MULLINS**	54	54	58	59	62	66	63	68	67	69	69	58	50	58	55	41	42	42	50	52	54	60	64	52	54	64	65	61	52	47	57.0	EDT	
PASADENA 2N	PASADENA 3 SW RELOCATED AND RE-OPENED AS PASADENA 2N ON 9/20																				65	84	87	87	85	87	91	85	82	78	79	82.7	2400
HANSON																					60	57	69	59	50	57	64	66	63	52	49	58.7	EDT
LOTHIAN	87	83	83	88	94	90	91	91	92	91	95	82	82	82	80	76	M	73	74	78	77	83	87	88	84	90	93	90	85	79	85.1	0900	
JUG BAY	54	55	57	61	60	65	66	67	59	68	72	66	52	63	62	42	M	43	50	52	56	64	63	48	55	63	65	65	49	46	58.2	EDT	
BALTIMORE	83	81	87	91	88	88	91	91	88	90	78	78	80	78	72	69	71	72	77	74	85	88	86	84	90	93	87	83	78	78	82.6	2400	
NWS BWI APT	60	57	60	65	61	69	68	68	63	73	67	56	52	67	53	44	45	48	50	53	57	69	59	51	53	62	65	58	53	48	58.5	EST	
LAUREL 2 E	82	83	88	90	90	91	92	92	88	88	74	77	81	77	71	67	72	74	79	75	87	88	84	85	90	92	88	81	77	79	82.7	2400	
STOUDT	60	60	62	66	64	70	70	69	65	73	69	60	55	67	55	47	47	50	53	55	59	60	60	54	58	66	67	62	55	51	60.3	EST	
PARKTON 5SW	82	81	85	89	87	89	92	93	87	86	75	77	80	78	70	68	72	72	80	80	85	88	83	84	90	91	86	79	75	77	82.0	2200	
KREINIK	56	52	56	55	59	64	68	66	63	72	68	53	48	57	55	41	40	42	44	47	50	60	53	46	50	58	63	54	50	44	54.5	EDT	
OWINGS MILLS 2SE	81	83	86	86	86	87	91	86	87	86	76	75	78	76	68	66	71	72	76	76	83	84	81	81	88	89	85	77	74	76	80.4	2400	
SHARROW	57	56	59	63	62	66	62	65	63	71	68	57	51	64	52	47	42	46	50	51	55	65	64	52	56	61	66	62	53	48	57.8	EDT	
BALTIMORE 2SE	86	84	91	94	91	92	94	92	91	93	81	80	84	82	73	70	74	75	80	78	87	91	87	87	90	95	89	83	81	80	85.2	1800	
MANFRE	67	68	67	75	73	76	74	72	71	77	73	67	65	70	61	55	56	60	61	64	67	73	73	65	66	71	71	68	62	63	67.7	EDT	
BALT INNER HARBOR	86	85	92	93	91	90	94	93	91	93	82	81	84	82	73	71	75	76	81	78	86	91	87	86	90	94	89	83	79	80	85.2	2400	
MD SCIENCE CENTER	67	68	67	75	73	76	74	72	71	77	73	67	65	70	61	55	56	60	61	64	67	73	73	65	66	70	70	68	62	63	67.6	EST	
MANCHESTER 1SW	80	81	85	87	88	87	91	91	87	88	75	75	80	75	68	65	69	71	78	81	85	88	82	83	91	92	88	77	74	77	81.3	2300	
CLOSE	57	57	61	63	67	65	67	67	64	70	65	58	59	64	51	43	50	51	51	58	61	65	62	58	60	65	66	60	51	56	59.7	EDT	
WESTMINSTER 4 SSE	78	81	82	86	86	86	88	88	86	89	73	75	76	79	67	61	66	68	74	77	80	85	77	79	85	90	87	74	69	72	78.8	2000	
HARTSOCK	52	52	54	62	58	65	64	65	61	69	69	57	48	62	57	41	40	43	46	48	51	63	63	48	52	59	63	61	48	46	55.6	EDT	
WESTMINSTER 5 SSE	77	77	81	83	83	83	86	85	83	85	75	72	76	74	66	62	66	68	72	75	79	82	77	77	83	86	83	75	70	72	77.1	2200	
KLEIN	56	55	57	63	63	64	64	65	62	67	67	57	53	63	53	44	45	47	49	53	55	63	61	54	54	61	63	59	51	51	57.3	EDT	
MILLERS 4NE	79	80	84	85	86	87	89	90	86	85	81	73	78	75	67	65	69	72	77	80	84	86	84	83	89	90	85	80	74	76	80.6	1800	
MILLER	55	50	57	59	58	63	65	65	61	68	66	53	48	62	55	41	37	42	44	50	51	62	60	47	54	61	62	60	51	44	55.0	EDT	
WESTMINSTER CITY	80	80	85	88	86	86	90	91	87	89	81	76	80	77	72	67	68	70	76	78	82	88	83	84	86	91	87	76	75	76	81.2	1900	
MULLER	55	56	61	63	62	66	68	69	66	66	70	60	53	66	60	43	44	43	50	53	55	68	63	51	59	65	67	62	51	49	58.8	EDT	
BRYANS ROAD 2 ESE	85	85	88	92	92	90	91	90	92	92	77	79	83	78	71	68	73	74	78	76	84	85	86	84	88	90	87	82	78	80	83.3	2400	
BRUMBACK	62	57	60	63	62	67	69	68	62	70	70	64	63	65	56	51	53	50	54	55	59	71	58	52	57	65	66	63	54	49	60.5	EDT	
EMMITTSBURG 2 SE	81	78	79	85	86	85	87	89	90	84	87	73	74	79	75	66	64	69	71	76	81	83	87	81	81	89	90	87	75	73	80.2	0700	
GLASS	56	54	56	57	59	60	64	64	63	65	68	59	48	48	59	40	39	40	43	42	48	50	64	47	46	51	60	63	53	44	53.7	EDT	

ACON MD / DE / DC
SEPTEMBER 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	AVG	OBS TIME
FREDERICK 3 WNW	79	84	87	88	90	92	93	94	88	87	71	77	81	74	67	64	71	74	80	80	87	89	83	85	92	91	88	75	74	76	82.0	2300
LAWRENCE	53	52	58	61	59	62	64	65	62	67	63	53	48	58	53	39	38	42	45	48	51	63	54	45	53	62	63	57	65	59	55.4	EDT
EAGLE ROCK	76	72	79	79	82	84	86	86	86	84	79	69	69	72	72	56	64	66	69	74	76	74	79	79	84	86	80	80	62	69	75.8	0800
HARVEY	47	46	58	54	62	60	66	67	62	62	64	48	42	54	44	34	40	44	44	52	52	59	60	48	56	64	60	52	40	42	52.8	EST
LAUREL JHU / APL	81	83	87	88	89	89	91	92	88	89	76	76	80	78	68	67	70	72	78	75	86	87	82	84	89	92	87	77	74	78	81.8	2400
GIANNOLA	58	59	60	65	63	69	67	69	64	72	69	58	53	67	53	46	46	48	52	53	57	68	61	52	58	64	65	62	54	50	59.4	EDT
POTOMAC 4N	82	85	89	89	90	90	91	91	90	88	78	78	80	75	69	69	71	75	78	75	84	85	84	83	88	89	88	76	75	78	82.1	2100
COHEN	58	58	60	63	62	69	68	68	65	71	70	58	54	65	61	44	44	49	53	53	58	70	65	51	56	62	66	64	55	49	59.6	EST
OLNEY 1 S	81	82	87	88	88	89	91	>	91	88	77	76	79	75	69	66	69	72	75	75	85	86	83	83	89	90	87	76	75	76	81.0	2400
GIANNOLA	56	59	64	64	64	69	70	>	67	71	69	58	54	66	54	45	46	50	53	54	58	70	63	53	60	65	67	64	52	51	59.9	EDT
MONTGOMERY VILLAGE	83	83	89	90	92	91	94	93	90	91	75	77	81	78	69	66	70	73	76	77	85	88	83	83	90	91	89	77	75	76	82.4	2400
ROTH 1SW	59	58	65	64	63	70	71	70	68	72	69	61	54	67	56	46	46	49	54	54	58	72	62	52	58	68	67	63	55	50	60.6	EDT
GLENMONT 1NNE	83	84	90	89	93	92	94	94	91	89	76	79	84	77	71	69	74	76	81	76	89	89	85	87	93	92	91	78	77	80	84.1	2400
ROSSEN	56	57	60	63	62	67	68	67	64	72	67	57	53	65	50	44	44	47	52	52	57	68	56	50	55	62	65	59	53	48	58.0	EST
BETHESDA	79	80	85	86	86	85	87	86	84	86	74	75	77	76	67	64	68	70	75	73	81	82	81	79	83	87	84	75	73	73	78.7	2400
SCAFIDE	60	62	62	65	64	71	69	68	66	72	69	58	57	66	55	47	46	52	55	55	60	70	67	54	60	65	67	61	56	52	61.0	EDT
GAITHERSBURG 2WNW	79	81	87	87	88	88	91	90	87	89	73	73	77	75	66	64	68	71	75	76	83	86	82	82	88	89	87	73	70	72	79.9	2400
SHAW	58	59	62	62	62	69	69	68	67	71	66	58	53	66	52	44	44	44	52	53	57	70	60	50	56	64	66	57	52	48	58.6	EDT
FOREST GLEN	86	85	90	92	92	91	92	93	90	91	78	81	83	77	73	71	75	77	82	76	88	89	87	87	91	94	89	81	79	81	84.7	2400
TERRY	57	58	61	63	62	70	70	68	67	72	67	56	54	67	51	45	45	49	53	53	59	71	62	51	59	65	66	58	53	49	59.4	EDT
ROCKVILLE 1NE																																2400
WASH GAS LIGHT																																EDT
OXON HILL	84	83	88	92	92	90	92	92	89	91	77	81	84	80	72	70	72	73	77	75	85	86	89	86	88	91	88	81	78	80	83.5	2300
SMITH	64	61	62	66	66	70	70	69	66	74	73	64	58	67	58	50	49	54	58	58	60	71	69	55	59	64	68	68	59	52	62.7	EDT
HOLLYWOOD	83	84	87	92	92	91	91	90	90	89	88	82	82	82	74	68	73	72	78	75	83	87	85	85	88	91	89	83	76	80	83.7	2359
ABELL	63	59	61	66	63	68	68	69	62	70	73	61	57	63	57	53	49	51	56	58	62	70	61	55	58	66	70	65	52	51	61.2	EDT
RIDGE	83	86	87	89	88	87	88	87	88	88	91	84	84	81	77	71	74	71	77	73	80	87	81	82	83	89	84	84	73	78	82.5	2400
ZYLA	66	64	66	69	69	72	71	69	68	73	68	64	64	62	58	55	53	55	62	63	65	73	71	61	63	69	67	66	58	58	64.7	EDT
SMITHSBURG 1.5 SW	80	80	84	85	88	89	90	88	86	73	73	79	75	65	64	69	72	76	81	83	88	80	82	90	89	85	75	73	75	80.2	2400	
HUTTO	50	53	56	57	59	63	66	68	63	69	63	52	47	60	49	37	37	43	44	48	50	66	54	44	50	60	64	67	47	42	54.3	EDT
HAGERSTOWN 1E	79	80	85	87	87	89	90	91	86	85	73	75	79	74	66	65	69	73	77	82	84	88	82	83	90	90	85	75	74	75	80.6	2400
KEEFER	53	56	58	59	61	67	70	69	66	70	64	55	49	65	52	40	40	45	46	50	52	68	63	47	52	65	65	61	50	44	56.7	EDT
SMITHSBURG 2 NE	79	80	83	85	86	88	89	90	85	85	74	73	78	74	65	64	69	71	76	82	84	87	79	82	89	90	85	74	72	74	79.7	2400
VAUGHN	54	59	60	60	63	70	71	66	70	66	66	52	65	52	41	44	52	49	55	54	69	56	50	58	67	65	60	50	49	58.8	EDT	
SALISBURY	82	80	84	89	88	87	88	87	87	91	89	80	80	79	73	68	72	69	76	74	81	85	84	82	85	89	81	81	76	78	81.5	2400
NWS WICOMICO CO APT	55	50	48	58	53	57	58	56	54	63	69	52	52	53	45	44	47	53	51	53	59	62	48	45	46	63	59	56	45	40	53.1	EST
WASH NATIONAL	82	83	84	91	89	89	90	90	88	90	77	79	81	78	71	68	72	74	79	75	83	84	87	84	86	89	87	82	78	79	82.3	2400
NWS ASOS	63	64	64	69	68	72	71	70	68	74	71	64	61	66	56	51	50	55	58	60	63	71	65	58	62	67	69	64	57	55	63.5	EST
WASH DULLES	84	86	91	91	91	92	94	93	89	91	76	79	81	78	71	68	72	75	80	77	86	89	86	86	91	93	90	79	77	78	83.8	2400
NWS ASOS	59	57	63	62	62	70	70	68	65	71	68	59	55	62	47	43	44	48	50	51	56	71	57	50	58	66	66	60	52	48	58.6	EST
STERLING 4 N	82	81	87	87	89	88	91	91	88	87	75	77	79	76	68	66	70	73	78	77	84	87	84	85	89	89	87	77	76	76	81.5	2400
SHAFFER	59	58	65	65	64	68	71	70	67	72	71	61	55	64	57	46	46	49	53	55	59	71	64	54	59	65	67	63	56	50	60.8	EDT
DAVIS 3 SE WV	72	69	76	75	76	79	83	81	80	79	74	62	63	71	67	49	58	65	67	71	74	75	74	74	77	78	76	74	60	65	71.5	0700
LESHER	50	50	55	53	51	57	64	64	62	63	62	47	46	49	46	34	34	43	46	46	50	54	59	53	56	61	57	52	42	42	51.6	EDT

ACON MD / DE / DC
SEPTEMBER 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										0.01	0.43			0.03	0.12							0.16					T	T				0.75 0.0	2400 EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT											0.19				0.09							0.21						T				0.49 0.0	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS											0.28			0.04	0.16							0.24						0.01				0.73	2400 EST	
TOWNSEND 4 W, DE U of D DE Townsend Farm											0.11			0.05	0.25							0.01										0.42	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT										0.01	0.05			0.08	0.85							0.15										1.14 -	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR											0.02			0.04	0.88																	0.94	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM								M		0.02	0.02	0.01			M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		0.05 0.0	2400 EST	
FROSTBURG LATTA										0.15	0.26	0.39			0.49												0.01	0.58				1.88 0.0	0700 EDT	
LAVALE MULLINS**									T	0.54	0.47			0.58													0.21	0.04				1.84 0.0	2400 EDT	
PASADENA 2N HANSON			PASADENA 3 SW RELOCATED AND RE-OPENED AS PASADENA 2N ON 9/20																												0.16	0.01	0.17 0.0	2400 EDT
LOTHIAN JUG BAY	T	T	0.01			T	T		T		0.59	0.02	T		0.70		M	0.01	T	0.01	T		T		0.02	0.01	0.01	0.01	T	T		1.39 0.0	0900 EDT	
BWI NWS ASOS										0.14	0.09			0.10	0.02							T					T	T				0.35 0.0	2400 EST	
LAUREL 2 E STOUDT										0.34	0.12			0.13	0.02							T					0.08	T				0.69 0.0	2400 EST	
PARKTON 5SW KREINK											0.25			T	0.10										0.22		0.15					0.72 0.0	2200 EDT	
OWINGS MILLS 2SE SHARROW											0.24			0.08	0.04												T	0.08				0.44 0.0	2400 EDT	
BALTIMORE 2SE MANFRE										0.19	0.05			0.11	0.03												0.30	0.02				0.70 0.0	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	0.01									0.19	0.05			0.12	0.03												0.47					0.87 -	2400 EST	
MANCHESTER 1SW CLOSE										T	0.32			0.12	0.05							0.02					0.08	0.12				0.71 0.0	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK											0.31			0.03	0.16													0.36				0.86 0.0	2000 EDT	
WESTMINSTER 5 SSE KLEIN											0.30				0.05													0.38				0.73 0.0	2200 EDT	
MILLERS 4NE MILLER										T	0.21			0.02	0.12										0.25		0.11					0.71 0.0	1800 EDT	
WESTMINSTER CITY MULLER											0.38			0.10													T	0.44				0.92 0.0	1900 EDT	
BRYANS ROAD 2 ESE BRUMBACK										0.86		0.23		0.39	0.32																	1.80 0.0	2400 EDT	
EMMITTSBURG 2 SE GLASS												0.20			0.17							0.12						0.54				1.03 0.0	0700 EDT	

ACON MD / DE / DC
SEPTEMBER 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	0.45			0.15								0.05					0.31	0.03				1.00	2300 EDT
EAGLE ROCK HARVEY										0.02	0.65	0.20		T	0.46												T	0.31				1.64	0800 EST
LAUREL JHU / APL GIANNOLA											0.21			0.12	0.03												0.26	0.06				0.68	2400 EDT
POTOMAC 4N COHEN											0.63			0.13	0.05												0.09	0.40				1.30	2100 EST
OLNEY 1 S GIANNOLA										>	0.36			>	0.16												>	0.30				0.82	2400 EDT
MONTGOMERY VILLAGE ROTH 1SW											0.35			0.20										0.03			0.42					1.00	2400 EDT
GLENMONT 1NNE ROSSEN										0.22	0.13			0.11	0.01							0.01					0.67	0.01				1.16	2400 EST
BETHESDA SCAFIDE										0.15	0.13			0.08	0.02							0.01					0.41	0.02				0.82	2400 EDT
GAITHERSBURG 2WNW SHAW										0.08	0.31			0.20	T												0.50	0.05				1.14	2400 EDT
FOREST GLEN TERRY										0.20	0.14			0.10	0.02												0.29	0.03				0.78	2400 EDT
ROCKVILLE 1NE WASH GAS LIGHT																																	2400 EDT
OXON HILL SMITH										0.30	0.11			0.32	0.02							0.05					T	0.04				0.84	2300 EDT
HOLLYWOOD ABELL										0.10	0.08			0.05	1.00							T										1.23	2359 EDT
RIDGE ZYLA											0.13			0.24	1.23							0.03	0.08									1.71	2400 EDT
SMITHSBURG 1.5 SW HUTTO	0.01									0.02	0.30			0.10	0.01											0.16	0.18	0.01				0.79	2400 EDT
HAGERSTOWN 1E KEEFER										0.06	0.29			0.09												0.64	0.18	0.01				1.27	2400 EDT
SMITHSBURG 2 NE VAUGHN								T			0.37			0.09	0.05							0.01				0.05	0.18					0.75	2400 EDT
SALISBURY NWS WICOMICO CO APT							0.01	0.01	0.32	0.53				0.12	0.49												0.01	T				1.49	2400 EST
WASH NATIONAL NWS ASOS										0.41	0.04			0.15	T							T					T	T				0.60	2400 EST
WASH DULLES NWS ASOS										0.53	0.17			0.11	T							T				T	0.59					1.40	2400 EST
STERLING 4 N SHAFFER										>	0.69			0.24	T											t	0.47	0.04				1.44	2400 EDT
DAVIS 3 SE WV LESHER									0.02		0.90	0.34			1.17																	2.96	0700 EDT