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

EXTREME 100° HEAT AND EXTENDED PERIOD WITH TEMPERATURES BELOW 70°

August this year was highlighted by extreme maximum temperatures, both heat and cold, along with some very uncomfortable nights and strong thunderstorms. Temperatures averaged above normal while precipitation varied from below normal to above normal. **Hagerstown 1E** reported its wettest August since 1955.

This month's heat was broken by an unseasonable streak of maximum temperatures below 70 degrees. Temperatures remained below 70 for 112 hours at **Bear 2 SW DE** and 86 1/2 hours at **Glenmont 1 NNE**. This period lowered August's average temperature upwards of an estimated 3 degrees.

August began on a hot note. Maximum temperatures of 90° or higher occurred on most of the first 10 days east of the mountains. Highs in the mid 90's occurred on the 3rd and 4th. 100 degrees was observed by **Joe Manfre of Baltimore 2 SE** on the 2nd and 4th in the City of Baltimore.

The heat was slightly broken for a couple of days when a backdoor cold front moved through on the 5th. Dew points briefly fell down to the lower 60's for a few hours on the 5th. Showers and thunderstorms the evening of the 5th and early on the 6th brought upwards of half an inch of rain. **Floyd Abell of Hollywood** reported a severe thunderstorm along with a tornado warning, small hail, and a 54 MPH wind gust. 1.55" of rain fell from 3:30 PM and 4:15 PM.

The heat and humidity returned in full force on the 7th. The 100 degree mark was broken by the following ACON observers on the 8th:

- 105° Joe Manfre Baltimore 2 SE
- 104° John Zyla Ridge
- 103° Marty Brumback Bryans Road 2 ESE
Joe Terry Forest Glen
- 102° Dan Hanson Pasadena 3 SW
Jeff Stoudt Laurel 2 E

- 102° David Roth Mont. Village 1 SW
Brian Smith Oxon Hill
Floyd Abell Hollywood
- 101° Stan Rossen Glenmont 1 NNE
- 100° Ray Muller Westminster City
Lance Schaffer Sterling 4N

Stan Rossen of Glenmont 1 NNE, our ACON "Washington Climate Expert", noted that the 8th was one of the warmest days ever for NWS Washington National. The average temperature of 91° was 2 degrees shy of the record of 93° set on 7/6/1999 and 1 degree cooler than the second hottest day of 92° set on 8/6/1918. The minimum temperature of 80 was one degree shy of the record of 81 set last year on August 3rd.

Seasonally warm temperatures followed from the 10th to the 17th. Temperatures were generally in the mid to upper 80's over the northern region and upper 80's to lower 90's over the southern portions. The 17th was the warmest when temperatures rose into the lower to mid 90s.

Much welcomed rains along with cloudy, unseasonable cool maximum temperatures moved into the region on the 19th. Upwards of 2 inches of rain fell over a large portion of the two state area from the 19th to the 22nd. The heaviest rains reported by ACON observers was 3.53" at **Frostburg** by **Greg Latta**, 3.03" at **Hagerstown 1E** by **Greg Keefer**, 2.98" at **LaVale** by **Nate Mullins**, and 2.89" by **Max Hutto of Smithsburg 1.5 SW**. The most remarkable item that happened during this period was the consecutive number of hours the temperature remained below 70.

Sultry conditions quickly returned for the 24th and 25th. Temperatures were in the upper 80's to lower 90's on the 24th and the mid to upper 90's on the 25th. The heat was broken by thunderstorms on the 25th. Over an inch of rain fell in Washington County. **Max Hutto of Smithsburg**

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	105
Ridge	104
Bryans Road 2 ESE	103
Forest Glen	103

MINIMUM TEMPERATURE

Davis 3 SE WV	48
Parkton 5 SW	49
Eagle Rock	50

WARMEST AVG. TEMP.

Baltimore 2 SE	82.4
Oxon Hill	79.9
Hollywood	79.7
Ridge	79.7

COLDEST AVG. TEMP.

Davis 3 SE WV	68.0
Frostburg	69.3
Eagle Rock	71.5

MAXIMUM PRECIPITATION

Hagerstown 1 E	7.53
Smithsburg 1.5 SW	7.45
Eagle Rock	7.17

MINIMUM PRECIPITATION

Laurel JHU/APL	2.36
Bethesda	2.50
Bryans Road 2 ESE	2.57

1.5 SW reported 1.29", **Greg Keefer of Hagerstown 1E** 1.22", and **Jim Vaughn of Smithsburg 2 NE** 1.16". **Greg Klein of Westminster 5 SSE** reported a violent evening storm with very strong winds and awesome lightning.

The 26th to the 31st saw temperatures in the 80's. with a few scattered showers in Allegany and Washington Counties.

OBSERVER COMMENTS FOR AUGUST 2007

Gary Gallaher of Bear 2 SW, DE

Timely rains cut short the time that plants were under stress and prevented yards from turning brown. Frequent frontal passages cut down on the length of days with high humidity.

18th—23rd - 112 hours where the temperatures remained below 70. This period of unseasonable temps lowered the monthly average temperature an estimated 3 degrees.

Greg Latta of Frostburg

10th - Damaging winds

Nate Mullins of LaVale

Wettest August in 16 years of records.

9th - Quick heavy downpours and gusty winds 6 - 8 PM with frequent lightning.

21st - Cloudy and cool all day with mountain fog. Heavy overnight rain ended by daybreak.

Dan Hanson of Pasadena 3 SW

Station closed on the 24th. Re-opened at a new nearby location on September 20th as Pasadena 2N.

Jeff Stoudt of Laurel 2 E

Torrid summertime conditions ruled the month.

21st - Brief +TSRA at dawn; SHRA AM; -DZ PM..

Al Kreinik of Parkton 5 SW

Summer Avg max 85.3, Avg min 61.7, Avg 73.5.

Rain too late for corn crop. Early corn harvested 4th week of the month, incredible!

Marty Sharrow of Owings Mills

8th - Hazy sun, hot, and humid 98 degrees.

19th - Overcast, much cooler, occasional showers.

Joe Manfre of Baltimore 2SE

2nd - 101° Partly cloudy, very hot, low humidity.

8th - 105° Variable clouds, very hot, very humid.

Greg Klein of Westminster 5 SSE

25th - Violent evening storm with very strong winds and awesome lightning.

Ralph Hartsock of Westminster 4 SSE

8th - Early sprinkle, sunny and blazing hot.

25th - Sunny and very hot and humid. PM severe t'stms.

Bobby Miller of Millers 4 NE

Summer Avg max 83.0 (+1.2), Avg min 61.1 (-1.0), Avg 72.1 (+0.1). Wettest August since 1999.

20th - 61° max temp - a new August record low max temp.

Marty Brumback of Bryans Road 2 ESE

8th - Absolutely miserable. At 3:01 PM 102.6° was recorded. Dew points were in the upper 60's and low 70's with light winds during the day.

Eric Glass of Emmitsburg 2 SE

15th - Sunny, clear, bright.

26th - Hazy, humid, partly cloudy.

Rebecca Harvey of Eagle Rock

13 days with thunder.

Rich Giannola of JHU/APL

9th - Early afternoon thunderstorm.

Rob Cohen of Potomac 4 N

Record max temps set on the 8th (98°) and 25th (95°).

Rich Giannola of Laurel 1 S

9th - Early afternoon thunderstorm. Daily max and min temperatures separated by 45 minutes - 94° max at 12:38 PM and 70° at 1:23 PM.

Stan Rossen of Glenmont 1 NNE

Summer precipitation 9.17"

8th - Average temp of 89 set an all time station record.

Max temp of 101 tied the all time station and August record set on 7/16/1988, tied on 8/15/1988, 8/16/1997, and 7/6/1999. Min temp of 77 tied all time station record set on 7/19/1991, tied on 9/2/1993 & 8/3/2006.

19th—23rd - The temperature remained in the 60s here for 86½ hours -from 8:30 P.M. (EDT) on Sunday (8/19) to 11:00 on Wednesday (8/23).

Kevin Shaw of Gaithersburg 2 WNW

Temps failed to fall below 60°, a rare August event. Three consecutive days with the max temp in the 60's was a first for August.

Joe Terry of Forest Glen

18 consecutive days with temperature 90° or higher July 31st to August 17th.

8th - Extraordinary heat and humidity. Most uncomfortable day since July 15, 1995. Highest maximum (103°) and minimum (79°) in station history (12 years). Maximum heat index 117°!

18th - Dew point 41° at midnight.

21st - Very heavy predawn t'shwr. 0.30" fell in 5 minutes.

Floyd Abell of Hollywood

5th - Bad storm. Tornado warning. 1.55" rain 3:30 PM to 4:15 PM. Small hail, 54 MPH wind gust with some tree and building damage.

John Zyla of Ridge

8th - Record all time station heat: Maximum 103.6°. Record August minimum 80.8°.

Max Hutto of Smithsburg 1.5 SW

10th - AM fog, very warm, humid, breezy.

16th - AM t'stms with heavy rain, very dark skies.

25th - Hot, very humid. Heat index 112°.

Greg Keefer of Hagerstown 1 E

August precipitation of 7.53" was the wettest since 1955 when the August record of 8.85" was set.

9th - Intense thunderstorm 11:30 AM - 12:30 PM. Winds gusted to 42 MPH. More 6:15 - 7:30 PM. Winds gusted to 40 MPH. Some wind damage today.

25th - Tied daily record high of 96 set in 1943. Heat index peaked at 112°. Dew points were in the mid to upper 70's.

Jim Vaughn of Smithsburg 2 NE

August precipitation of 6.65" was the third wettest.

25th - Peak wind gust of 57 MPH surpassed the previous August record of 55 set on August 28, 2002.

Lance Shaffer of Sterling 4 N VA

26th - 31st - 85° maximum temperature each day.

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
AUGUST 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	84.7	65.1	74.9	96	8	55	14	8	0	0	31	W	16	3.10	0.84	20	33.61	11	0	0.0	0.0	0.0	2400
NWS Wilmington	New Castle Co. Apt.	85.3	67.4	76.4	97	8	58	22	10	0	0	29	W	16+	3.38	0.99	20	28.89	10	0	0.0	0.0	0.0	2400
U of DE DEOS	UofD AG Farm Newark, DE	85.4	66.1	75.8	96	8	58	22	10	0	0	15		18	3.81	1.04	20	29.10	11	1				2400
U of D Townsend Farm	Townsend 4 W	84.5	64.6	74.6	98	8	55	14	8	0	0	24		16	3.29	0.96	9	19.20	11	0				2400
<i>Sussex, Delaware</i>																								
NWS Georgetown	Sussex Co. Airport	86.3	67.3	76.8	99	8	58	12+	12	0	0	51	W	16	3.64	1.57	16	22.75	10	1				2400
U of D Research & Ed Ctr	Georgetown	86.4	66.3	76.4	98	8	56	19	12	0	0				1.41	0.59	20	18.63	8	0				2400
U of D Warrington Farm	Harbeson 8 S	84.1	66.9	75.5	97	8	57	12+	6	0	0	21		10	1.25	0.53	21	17.06	10	0				2400
<i>Allegany, Maryland</i>																								
Latta, Greg	Frostburg	78.2	60.4	69.3	89	25	52	18	0	0	0				6.31	1.89	21	29.68	13	1	0.0	0.0	0.0	0700
Mullins, Nate**	LaVale	84.1	63.9	74.0	93	2+	55	15	10	0	0				5.56	1.06	21	24.39	15	1	0.0	0.0	0.0	2400
<i>Anne Arundel, Maryland</i>																								
Hanson, Dan	Pasadena 3 SW	88.0	67.4	77.7	102	8	60	12+	14	0	0	24	W	9	2.98	0.85	21	21.43	11	0	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	89.6	66.9	78.3	102	9	57	19	19	0	0				4.12	1.63	6	23.04	8	1	0.0	0.0	0.0	0900
NWS Baltimore	BWI Airport	87.6	67.3	77.5	102	8	60	14	16	0	0	41	NNW	9	3.08	0.77	20	23.22	10	0	0.0	0.0	0.0	2400
Stoudt, Jeff	Laurel 2 E	87.6	68.5	78.1	102	8	62	22+	16	0	0				3.06	1.19	21	23.18	10	1	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Kreinik, Al	Parkton 5 SW	86.0	64.2	75.1	99	8	49	11	10	0	0				3.87	1.20	21	24.32	11	1	0.0	0.0	0.0	2200
Sharrow, Marty	Owings Mills 2 SE	84.8	65.6	75.2	98	8	57	11+	8	0	0				3.07	1.61	9	18.49	8	1	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	90.8	74.0	82.4	105	8	64	22	21	0	0				2.74	0.84	20	20.73	10	0	0.0	0.0	0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	90.7	73.9	82.3	106	8	64	22	19	0	0				2.54	0.86	20	20.07	9	0				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	83.5	66.2	74.9	96	3	57	11+	7	0	0				4.73	1.18	9	27.51	14	1	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	85.2	63.7	74.5	98	8	55	14+	12	0	0				4.18	0.94	20	26.54	10	0	0.0	0.0	0.0	2000
Klein, Greg	Westminster 5 SSE	82.2	63.9	73.1	96	8	56	20+	5	0	0				4.52	0.97	20	26.14	11	0	0.0	0.0	0.0	2200
Miller, Bobby	Millers 4 NE	83.6	63.0	73.3	95	8	54	14	8	0	0	40	W	9	4.90	1.29	21	26.15	14	2	0.0	0.0	0.0	1800
Muller, Ray	Westminster City	86.3	67.1	76.7	100	8	60	22	13	0	0				4.54	1.18	9	25.54	11	1	0.0	0.0	0.0	1900
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Road 2 ESE	89.5	68.0	78.8	103	8	58	20	18	0	0	38		25	2.57	1.05	20	19.33	11	1	0.0	0.0	0.0	2400
<i>Frederick, Maryland</i>																								
Glass, Eric	Emmitsburg 2 SE	83.7	63.2	73.5	96	9	57	15+	8	0	0				4.56	1.11	21	20.50	9	2	0.0	0.0	0.0	0700
Lawrence, Bryon	Frederick 3 WNW	85.1	64.2	74.7	97	8	55	15	13	0	0				3.99	1.08	20	9.35	12	1	0.0	0.0	0.0	2300
<i>Garrett, Maryland</i>																								
Harvey, Rebecca	Eagle Rock	81.7	61.2	71.5	90	3+	50	14+	2	0	0				7.17	3.00	21	35.02	12	2	0.0	0.0	0.0	0800

**ACON MD / DE / DC
AUGUST 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	86.8	68.0	77.4	99	8	60	11+	14	0	0				2.36	0.77	21	19.56	9	0	0.0	0.0	0.0	2400
<i>Montgomery, Maryland</i>																								
Cohen, Rob	Potomac 4 N	86.4	68.1	77.3	98	8	60	14	14	0	0				3.03	1.22	20	21.98	10	1	0.0	0.0	0.0	2100
Giannola, Rich	Olney 1 S	85.8	68.0	76.9	99	8	61	14+	10	0	0				3.10	1.24	21-22	23.41	11	1	0.0	0.0	0.0	2400
Roth, David	Montgomery Village 1SW	88.4	68.6	78.5	102	8	61	20	16	0	0	12	9+		2.87	1.36	21	19.85	10	1	0.0	0.0	0.0	2400
Rossen, Stan	Glenmont 1 NNE	87.8	67.2	77.5	101	8	60	14+	14	0	0	9	16		2.69	0.94	21	22.55	11	0	0.0	0.0	0.0	2400
Scafide, Tony	Bethesda	84.7	68.6	76.7	98	8	61	20+	9	0	0	18	9		2.50	1.03	20	<u>17.45</u>	10	1				2400
Shaw, Kevin	Gaithersburg 2 WNW	85.7	67.3	76.5	99	8	60	14	12	0	0				2.94	1.03	21	21.86	10	1	0.0	0.0	0.0	2400
Terry, Joe	Forest Glen	89.9	67.9	78.9	103	8	60	14	20	0	0	22	WSW+	8+	3.24	1.51	20	23.73	10	1	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	89.7	70.1	79.9	102	8	63	20	18	0	0				4.11	1.19	21	23.25	11	1	0.0	0.0	0.0	2300
<i>St. Marys, Maryland</i>																								
Abell, Floyd	Hollywood	89.4	69.9	79.7	102	8	61	19	18	0	0	54	5		3.25	1.95	5	24.12	7	1	0.0	0.0	0.0	2400
Zyla, John	Ridge	88.3	71.0	79.7	104	8	66	19+	13	0	0	25	NW	16	3.56	1.96	20	22.50	7	1	0.0	0.0	0.0	2400
<i>Washington, Maryland</i>																								
Hutto, Max	Smithsburg 1.5 SW	84.9	63.8	74.4	96	3+	54	15	8	0	0	38	SSE	9	7.45	2.04	9	26.84	12	4	0.0	0.0	0.0	2400
Keefer, Greg	Hagerstown 1 E	84.9	65.9	75.4	98	8	58	15	9	0	0	42	NW	9	7.53	1.81	9	27.28	11	4	0.0	0.0	0.0	2400
Vaughn, Jim	Smithsburg 2 NE	83.0	65.8	74.4	96	8	57	14	6	0	0	57	SW	25	6.65	1.77	9	24.16	11	3	0.0	0.0	0.0	2400
<i>Wicomico, Maryland</i>																								
NWS Salisbury	Wicomico Co. Apt	86.8	63.3	75.1	98	8	49	19	10	0	0	26	17	W	1.86	0.69	21	25.16	9	0	0.0	0.0	0.0	2400
<i>Arlington, Virginia</i>																								
NWS Washington Natlona	National Airport	88.3	71.1	79.7	102	8	63	22	15	0	0	44	S	25	3.47	1.46	21	21.04	9	1	0.0	0.0	0.0	2400
<i>Loudon, Virginia</i>																								
NWS Washington Dulles	Dulles Airport	89.4	68.0	78.7	101	8	59	19	17	0	0	47	S	14	1.67	0.56	20	17.64	10	0	0.0	0.0	0.0	2400
Shaffer, Lance	Sterling 4 N	86.6	69.1	77.9	100	8	62	15	12	0	0				3.37	1.28	20	20.06	13	1	0.0	0.0	0.0	2400
<i>Tucker, West Virginia</i>																								
Leshner, Dave	Davis 3 SE WV	76.8	59.1	68.0	84	25	48	18	0	0	0				6.66	1.58	21	48.95	15	2	0.0	0.0	0.0	0700
SECTION AVERAGE*		86.1	66.8	76.5											3.86		23.90				0.0			

*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

PASADENA 3 SW CLOSED 8/24/07

RELOCATED AND RE-OPENED AS

PASADENA 2 N 9/20/07

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 2/19/08

ACON MD / DE / DC
AUGUST 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	92	93	92	93	85	88	92	96	90	89	83	88	87	83	86	85	89	78	69	66	64	68	78	87	94	85	85	86	86	86	82	84.7	2400 EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT	93	92	91	95	87	87	94	97	90	90	85	89	89	85	87	86	90	78	71	68	65	69	79	83	90	87	87	85	85	87	84	85.3	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	67	71	73	73	72	73	73	80	74	62	60	64	72	59	62	75	73	62	61	62	61	58	65	68	74	72	66	63	63	65	66	67.4	2400 EST	
TOWNSEND 4 W, DE U of D DE Townsend Farm	91	92	92	94	86	88	93	98	90	88	81	88	87	82	88	85	89	78	68	67	66	67	77	86	95	84	84	85	84	85	82	84.5	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	90	92	92	94	83	88	94	99	88	91	79	89	90	85	90	91	89	80	78	73	77	71	78	87	95	90	85	83	84	84	85	86.3	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR	91	92	92	95	84	88	95	98	89	91	80	89	90	87	88	91	90	80	79	77	70	71	79	88	95	90	83	84	87	87	81	86.4	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM	88	90	91	90	80	88	93	97	86	89	77	87	88	82	88	74	89	M	M	72	76	69	75	83	95	88	82	80	80	83	83	84.1	2400 EST	
FROSTBURG LATTA	83	84	87	85	84	70	79	84	85	83	80	78	81	80	77	81	82	79	70	65	59	63	65	71	89	85	75	78	80	80	82	78.2	0700 EDT	
LAVALE MULLINS**	91	93	92	93	72	92	89	92	86	87	86	89	88	82	90	90	87	77	65	62	69	68	73	92	93	83	84	86	86	88	83	84.1	2400 EDT	
ANNAPOLIS 2 N BRYANT																																		2400 EST
PASADENA 3 SW HANSON	95	96	96	97	89	91	95	102	95	93	84	91	93	88	93	90	95	82	74	71	68	71	77	88									88.0	2400 EDT
LOTHIAN JUG BAY	93	96	97	98	100	91	91	96	102	94	94	85	92	95	90	94	90	95	84	82	73	73	71	76	91	96	87	89	87	87	89	89.6	0900 EDT	
BALTIMORE NWS BWI APT	93	95	96	98	87	93	97	102	94	91	85	92	92	87	92	90	94	82	73	70	68	69	75	90	96	87	87	84	84	88	86	87.6	2400 EST	
LAUREL 2 E STOUDT	93	97	96	97	88	93	96	102	94	91	86	90	90	87	92	90	94	81	74	70	68	69	76	92	97	84	85	85	86	88	85	87.6	2400 EST	
PARKTON 5SW KREINIK	92	95	93	94	88	88	95	99	92	91	85	90	88	86	88	88	89	89	70	66	63	70	74	89	94	87	84	84	85	88	83	86.0	2200 EDT	
OWINGS MILLS 2SE SHARROW	93	95	95	94	87	88	92	98	89	87	83	88	87	83	87	86	90	79	69	68	64	67	74	89	94	84	84	81	84	86	83	84.8	2400 EDT	
BALTIMORE 2SE MANFRE	98	101	98	100	92	94	98	105	97	94	89	96	94	90	96	93	97	84	77	74	69	74	79	92	98	90	90	87	89	91	89	90.8	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	97	100	98	100	92	95	97	106	96	94	88	96	94	89	96	94	97	84	76	74	69	75	79	92	98	90	89	88	89	92	88	90.7	2400 EST	
MANCHESTER 1SW CLOSE	91	94	96	92	86	88	90	95	89	M	86	88	87	83	86	83	87	76	66	64	62	66	73	87	93	83	82	82	84	85	82	83.5	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK	90	96	97	95	92	92	95	98	90	90	83	88	86	81	88	85	90	77	72	71	64	70	77	86	91	82	80	84	86	85	81	85.2	2000 EDT	
WESTMINSTER 5 SSE KLEIN	89	92	92	92	83	87	91	96	88	85	81	86	85	80	86	83	86	79	69	66	63	65	71	82	88	80	80	80	81	83	79	82.2	2200 EDT	
MILLERS 4NE MILLER	90	93	92	92	90	87	89	95	93	86	84	86	86	83	84	83	86	84	73	63	61	66	72	86	93	87	80	81	83	84	80	83.6	1800 EDT	
WESTMINSTER CITY MULLER	90	93	92	95	88	93	96	100	89	88	85	90	90	85	88	90	91	85	73	68	68	66	74	90	95	86	84	87	86	85	84	86.3	1900 EDT	
BRYANS ROAD 2 ESE BRUMBACK	93	95	95	99	90	96	96	103	97	93	89	92	93	90	93	92	94	85	84	72	73	75	77	91	96	88	89	85	86	86	89	89.5	2400 EDT	
EMMITTSBURG 2 SE GLASS	88	91	93	93	94	86	88	90	96	90	87	83	87	88	82	88	84	87	76	65	65	64	66	72	87	93	82	81	82	82	84	83.7	0700 EDT	

**ACON MD / DE / DC
AUGUST 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	93 63	96 64	95 69	94 68	83 69	90 68	93 70	97 75	85 70	88 70	85 61	90 60	90 67	85 57	91 55	88 67	95 71	82 60	65 58	64 58	63 60	65 59	72 63	90 68	96 68	82 64	83 58	85 60	86 64	85 64	83 61	85.1 64.2	2300 EDT	
EAGLE ROCK HARVEY	82 60	82 60	90 62	86 64	84 62	70 60	80 60	82 66	86 66	89 59	80 60	80 64	80 50	76 59	82 62	80 62	80 61	76 50	74 58	79 60	80 66	80 66	80 66	89 60	89 66	79 54	79 59	84 64	89 60	80 62	81.7 61.2	0800 EST		
LAUREL JHU / APL GIANNOLA	93 67	97 67	96 73	97 73	88 73	92 73	94 75	99 81	94 70	88 72	84 60	91 63	89 73	85 63	92 63	90 70	92 74	80 63	73 62	70 60	66 62	69 60	69 65	91 71	97 73	84 72	85 65	84 64	85 67	88 65	83 68	86.8 68.0	2400 EDT	
POTOMAC 4N COHEN	91 64	94 68	94 70	95 70	87 75	92 72	94 73	98 77	94 75	89 72	86 62	90 69	90 60	86 62	90 62	87 69	91 72	80 66	78 62	69 61	67 61	68 61	75 65	90 70	95 73	84 70	86 64	83 65	84 68	86 68	85 69	86.4 68.1	2100 EST	
OLNEY 1 S GIANNOLA	90 66	94 69	95 72	95 71	85 73	91 72	93 73	99 79	91 72	88 73	84 63	89 63	89 69	86 61	89 64	86 70	91 73	80 63	77 61	71 63	67 61	66 63	73 65	89 70	95 74	85 71	86 65	83 68	83 67	86 69	83 69	85.8 68.0	2400 EDT	
MONTGOMERY VILLAGE ROTH 1SW	95 66	98 68	98 74	98 72	89 74	94 71	97 74	102 79	95 73	91 73	87 66	92 64	92 71	87 62	93 63	90 70	93 76	81 64	77 63	68 61	67 63	69 62	76 66	91 71	98 72	88 71	86 66	86 65	87 68	87 70	89 70	88.4 68.6	2400 EDT	
GLENMONT 1NNE ROSSEN	92 64	96 67	97 69	97 69	88 73	91 73	96 73	101 77	94 73	88 73	86 63	92 62	91 69	88 60	93 68	89 74	95 61	84 60	79 61	69 63	68 62	69 66	76 66	92 70	98 72	85 71	85 65	87 64	87 67	87 66	84 67	87.8 67.2	2400 EST	
BETHESDA SCAFIDE	89 67	90 70	90 72	93 70	86 73	91 72	91 74	98 78	92 73	88 73	83 65	88 63	88 70	84 63	88 65	84 70	90 72	78 65	69 64	68 61	68 63	70 61	75 66	87 71	91 73	84 71	83 67	81 67	82 69	84 69	83 70	84.7 68.6	2400 EDT	
GAITHERSBURG 2WNW SHAW	92 64	93 67	95 71	97 70	87 73	91 72	94 72	99 78	92 73	88 73	84 66	89 62	90 68	86 60	91 61	87 69	90 72	78 61	77 61	68 61	67 63	68 61	74 66	86 71	96 72	84 70	85 63	81 63	82 68	84 67	82 68	85.7 67.3	2400 EDT	
FOREST GLEN TERRY	96 65	97 68	97 72	99 69	91 73	94 72	97 73	103 79	96 74	92 74	90 63	94 61	90 69	94 60	94 63	91 71	96 73	85 62	83 61	71 63	69 62	72 66	78 66	92 72	97 71	89 65	89 68	87 66	86 68	90 67	88 68	89.9 67.9	2400 EDT	
ROCKVILLE 1NE WASH GAS LIGHT																																		2400 EDT
OXON HILL SMITH	94 68	95 71	96 72	97 72	89 72	94 73	97 75	102 79	94 76	93 75	89 67	93 66	94 72	90 68	95 65	92 73	95 74	85 69	85 64	72 63	72 65	74 64	79 67	93 72	98 72	89 69	90 72	85 68	85 70	87 69	87 72	89.7 70.1	2300 EDT	
HOLLYWOOD ABELL	95 65	96 72	96 74	98 72	90 69	94 72	96 75	102 79	95 78	92 75	82 68	90 64	92 71	88 67	92 65	93 72	92 67	84 61	83 66	76 69	80 66	73 69	79 69	91 71	97 76	91 73	87 71	87 67	87 66	87 65	85 66	89.4 69.9	2359 EDT	
RIDGE ZYLA	92 74	94 73	94 73	94 75	88 71	94 74	93 79	104 81	95 78	92 72	80 67	89 66	89 70	87 72	91 70	91 76	92 74	82 72	84 66	75 66	82 69	75 67	79 69	87 70	96 72	88 67	87 66	86 69	86 67	88 68	84 69	88.3 71.0	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	94 60	95 63	96 67	95 66	88 66	90 69	92 69	96 75	88 71	88 71	86 63	88 60	88 64	83 55	87 54	86 69	86 71	77 56	67 56	66 59	68 61	68 61	69 65	75 71	89 69	94 63	82 58	83 60	84 65	85 62	86 60	84.9 63.8	2400 EDT	
HAGERSTOWN 1E KEEFER	93 64	95 66	96 73	94 70	85 70	90 70	93 72	98 76	89 72	89 72	85 64	89 62	89 67	84 59	89 58	86 70	89 72	77 63	68 59	65 59	66 61	68 60	73 64	90 70	96 71	82 65	81 59	85 62	84 68	85 64	80 62	84.9 65.9	2400 EDT	
SMITHSBURG 2 NE VAUGHN	93 65	92 68	92 71	91 69	85 68	87 69	89 71	96 77	87 69	85 71	84 64	87 63	85 66	81 57	86 58	85 68	86 73	74 58	68 59	64 60	66 59	68 60	73 65	88 71	92 66	80 71	81 66	83 62	82 70	84 65	79 63	83.0 65.8	2400 EDT	
SALISBURY NWS WICOMICO CO APT	90 61	91 60	91 66	95 70	87 69	88 71	93 69	98 78	90 75	89 68	78 55	87 52	89 60	86 56	88 54	89 67	90 71	81 52	80 49	78 70	80 68	72 66	80 67	87 73	95 70	91 61	87 57	83 52	84 53	86 56	88 56	86.8 63.3	2400 EST	
WASH NATIONAL NWS ASOS	93 70	94 74	93 74	98 73	90 73	94 73	96 78	102 80	94 76	92 73	88 67	90 67	93 69	89 68	92 73	89 72	94 69	83 66	82 65	72 63	71 65	73 63	77 68	89 73	94 72	88 71	87 70	84 72	84 72	84 72	87 71	88.3 71.1	2400 EST	
WASH DULLES NWS ASOS	95 64	95 68	95 72	98 69	90 73	96 72	101 72	99 79	96 74	93 73	89 68	91 61	89 68	94 63	95 70	82 61	86 60	71 59	70 62	72 64	72 63	77 67	92 73	97 72	88 71	88 66	86 65	86 69	88 69	88 70	88.4 68.0	2400 EST		
STERLING 4 N SHAFFER	90 66	93 69	92 72	95 71	88 74	94 71	95 73	100 79	94 78	89 74	85 68	88 65	89 69	86 63	91 62	89 69	90 72	79 65	80 63	69 63	69 65	71 64	76 68	90 73	94 72	85 72	85 67	85 70	85 70	85 70	85 70	86.6 69.1	2400 EDT	
DAVIS 3 SE WV LESHER	78 56	77 57	80 60	79 62	78 62	72 64	71 64	80 65	82 63	83 61	75 55	74 56	75 60	75 50	72 50	77 58	81 59	70 48	69 49	76 57	74 63	76 64	76 63	81 65	84 68	81 63	73 57	76 57	79 61	79 58	77 58	76.8 59.1	0700 EDT	

ACON MD / DE / DC
AUGUST 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					0.24	0.08		0.02	0.68	0.11						0.08			0.36	0.84	0.54	0.12			0.03						3.10	2400	
WILMINGTON , DE NWS NEW CASTLE CO APT					0.48	0.03		0.02	0.84	0.06						0.02			0.45	0.99	0.47	0.02			T						3.38	2400	
NEWARK AG FARM, DE U OF DE DEOS					0.44	0.09		0.01	0.96	0.06						0.01			0.46	1.04	0.72	0.01			0.01						3.81	2400	
TOWNSEND 4 W, DE U of D DE Townsend Farm					0.10	0.06			0.96	0.01						0.24			0.44	0.84	0.42	0.06			0.06	0.10					3.29	2400	
GEORGETOWN, DE NWS SUSSEX CO APT					0.06	0.08			0.13	T			0.06			1.57	0.62		0.06	0.58	0.45					0.03					3.64	2400	
GEORGETOWN, DE UofD RESEARCH & ED CTR					0.08	0.07			0.04				0.04			0.04	0.53		0.02	0.59	M										1.41	2400	
HARBESON 8 S, DE UofD WARRINGTON FARM					0.08	0.06				0.03	0.01		0.01			0.33	M		M	0.14	0.53	0.02	0.04								1.25	2400	
FROSTBURG LATTA					0.82	0.01		0.14	0.78						T	0.28			0.26	0.89	1.89	0.10	0.39	0.03		0.19				0.53	6.31	0700	
LAVALE MULLINS**					0.43	0.36	T	T	0.77						0.01	0.54			0.68	0.84	1.06	0.40	0.02	0.01		0.06	0.01		0.36	0.01	5.56	2400	
ANNAPOLIS 2 N BRYANT																																	2400
PASADENA 3 SW HANSON					0.49	0.06			0.36	0.01			0.27			0.13	0.01		0.13	0.62	0.85	0.05			SEE NOTES 25th-31st					2.98	2400		
LOTHIAN JUG BAY					1.63	0.20			0.05	T	T					0.10	T	T	0.88	0.99	0.09	T		T	0.18				T	T	4.12	0900	
BWI NWS ASOS					0.10	0.03			0.43	T			0.08		T	0.13	T		0.13	0.77	0.76	0.03	T		0.62	T					3.08	2400	
LAUREL 2 E STOUDT					0.02	0.11			0.61	0.02						0.09			0.04	0.64	1.19	0.03			0.31	T					3.06	2400	
PARKTON 5SW KREINK				T		0.62		0.01	0.66	0.49			0.01			0.22				0.15	1.20	0.16	T	0.01		0.34					3.87	2200	
OWINGS MILLS 2SE SHARROW					T	0.12			1.61							0.08			0.04	0.59	0.51	0.08	T		0.04						3.07	2400	
BALTIMORE 2SE MANFRE					0.06	0.19			0.42							0.11			0.21	0.84	0.60	0.07			0.23	0.01					2.74	1800	
BALT INNER HARBOR MD SCIENCE CENTER					0.04	0.14			0.34							0.10			0.09	0.86	0.58	0.07			0.32						2.54	2400	
MANCHESTER 1SW CLOSE			0.24		0.14	0.47		T	1.18	M			T	0.08		0.25			0.21	0.90	0.50	0.03	0.02	0.01	0.69	0.01					4.73	2300	
WESTMINSTER 4 SSE HARTSOCK						0.32			0.91				0.09			0.18			0.07	0.94	0.89	0.20			0.55	0.03					4.18	2000	
WESTMINSTER 5 SSE KLEIN					0.07	0.27		0.25	0.92				0.08			0.19			0.06	0.97	0.96	0.15			0.60						4.52	2200	
MILLERS 4NE MILLER			0.09	0.10	T	0.45	T	0.03	1.06	0.53			0.05			0.34			0.10	0.24	1.29	0.20	0.01	T		0.41					4.90	1800	
WESTMINSTER CITY MULLER					0.02	0.54			1.18	0.63			0.05			0.26			0.08	0.77	0.73	0.22	T	T	0.06						4.54	1900	
BRYANS ROAD 2 ESE BRUMBACK					0.13	0.01			0.13	0.06						0.13	0.06		0.04	1.05	0.42				0.16	0.38					2.57	2400	
EMMITTSBURG 2 SE GLASS					0.61				1.02								0.36			0.27	1.11	0.64	0.10	0.04		0.41					4.56	0700	
																															0.0	EDT	

ACON MD / DE / DC
AUGUST 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					0.05	0.53			0.85	0.01						0.22			0.07	1.08	0.90	0.01	0.01		0.22	0.04						3.99	2300 EDT
EAGLE ROCK HARVEY		0.22				1.58		T	0.50	0.72	0.20					0.50	0.22		0.03	0.03	3.00	0.05				0.12						7.17	0800 EST
LAUREL JHU / APL GIANNOLA						0.20			0.59	0.01						0.15			0.03	0.53	0.77	0.02			0.06							2.36	2400 EDT
POTOMAC 4N COHEN					T	0.27			0.25	0.10						0.19	T		0.07	1.22	0.72	0.02			0.15	0.04						3.03	2100 EST
OLNEY 1 S GIANNOLA					0.02	0.28			0.64	0.03						0.27			0.02	0.53	>	1.24	0.03		0.02	0.02						3.10	2400 EDT
MONTGOMERY VILLAGE ROTH 1SW					0.02	0.30			0.30	0.04						0.08	0.02		0.02	0.59	1.36				0.14							2.87	2400 EDT
GLENMONT 1NNE ROSSEN					0.02	0.15			0.30	0.01						0.11	T		0.02	0.83	0.94	0.01			0.29	0.01						2.69	2400 EST
BETHESDA SCAFIDE						0.20			0.17	0.03						0.15	0.01			1.03	0.80	0.02			0.06	0.03						2.50	2400 EDT
GAITHERSBURG 2WNW SHAW					0.02	0.24			0.35	0.02						0.19			0.01	0.84	1.03	0.02	T		0.22							2.94	2400 EDT
FOREST GLEN TERRY					0.01	0.16			0.18	0.02						0.13	T		T	1.51	0.98	0.02			0.19	0.04						3.24	2400 EDT
ROCKVILLE 1NE WASH GAS LIGHT																																0.00	2400 EDT
OXON HILL SMITH					0.16	0.28			0.06	0.03						0.03	0.09		T	0.69	1.19	0.01			0.90	0.67						4.11	2300 EDT
HOLLYWOOD ABELL					1.95	T			0.23							0.03	0.04		0.03	0.93	0.44	0.04										3.25	2359 EDT
RIDGE ZYLA					0.52				0.77								0.14		0.04	1.96	0.12						0.01					3.56	2400 EDT
SMITHSBURG 1.5 SW HUTTO			0.06		0.14	0.33	T	0.04	2.04							0.62			0.43	1.39	1.00	0.07				1.29			0.04			7.45	2400 EDT
HAGERSTOWN 1E KEEFER					0.15	0.28	T	0.05	1.81							0.60			0.46	1.25	1.25	0.07	T		T	1.22			0.39			7.53	2400 EDT
SMITHSBURG 2 NE VAUGHN			0.17		0.14	0.41			1.77	0.01						0.67			0.18	1.18	0.92	0.04				1.16						6.65	2400 EDT
SALISBURY NWS WICOMICO CO APT					0.21	0.05			0.20	0.01				0.18		T	0.06		T	0.43	0.69	0.03						T			T	1.86	2400 EST
WASH NATIONAL NWS ASOS					0.09	0.22			0.10	T						0.07	0.08		T	0.66	1.46	T			0.59	0.20						3.47	2400 EST
WASH DULLES NWS ASOS			T		0.01	0.12			0.16	T						0.08	0.05		0.02	0.56	0.49	T	T		0.14	0.04						1.67	2400 EST
STERLING 4 N SHAFFER					0.04	0.53			0.07	0.10						0.22	0.02		0.01	1.28	0.93	0.04	0.02	T	0.07	0.04						3.37	2400 EDT
DAVIS 3 SE WV LESHER		T	0.11		T	0.75	0.01		0.66	1.43	0.05						0.61	0.03	0.01	0.87	1.58	0.13	0.14		T	0.26	T			0.02	6.66	0700 EDT	