



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

# EXTREME HEAT AND DRYNESS TURNS COOL AND WET AT MONTHS END

This summer's heat continued almost unabated for the first 23 days. Seasonal warm temperatures then took over and lasted until a cold front stalled south of the region and brought with it rains and quite cool maximum temperatures from the 28th to the 31st. Except for few scattered heavy thunderstorms, some of which were severe on the 1st and the 3rd, very little rain fell the first 23 days of the month.

### TEMPERATURE

August began on a very hot note and ended on a very cool note. If it was not for the unseasonable cool maximum temperatures of the 29th and 30th along with seasonal cool temperatures of the 28th and 31st this would had been one of, if not the hottest August on record.

The month began with temperatures in the mid 90's to 100+ degrees. Maximum temperatures of 100 or higher were recorded at the following ACON sites: **Gary Gallaher** of **Bear 2 SW DE**, 100 on the 1st & 2nd; **Joe Manfre** of **Baltimore 2 SE**, 100 degrees on the 2nd; **Rich Giannola** of **Laurel JHU/APL**, 100 degrees on the 2nd; **Tony Scafide** of **Bethesda**, 100 on the 1st and 101 on the 2nd; **Kevin Shaw** of **Gaithersburg 2 WNW**, 100 degrees on the 2nd; **Joe Terry** of **Forest Glen**, 101 on the 2nd; **Bill Hudelson** of **South Bowie**, 100 on the 2nd; and **Jim Vaughn** of **Smithsburg 2 NE**, 101 on the 1st, 103 on the 2nd and 3rd, and 100 on the 5th. Washington National NWS recorded 100 on the 2nd.

The first reprieve from the extreme heat came on the 6th. Minimum temperatures fell generally into the 50's or low 60's from the 7th through the 11th. **Al Kreinik** of **Parkton 5 SW** recorded a 46 degree reading on the 8th. **Rebecca Harvey** of **Eagle Rock** recorded 48 on the 7th and 8th while **Rob Rickell** of **Hanover 2 S PA** recorded 48 on the 8th and 49 on the 7th and 9th. The only other readings in the 40's occurred at the "cold" Salisbury Wicomico County Airport

where 48 was recorded on the 8th and 49 on the 7th and 9th.

The heat returned in full force on the 11th. 90 degree plus temperatures lasted until the 20th to the 24th depending upon station location. 100 degree temperatures were observed by the following ACON observers: **Gary Gallaher** of **Bear 2 SW DE**, 100 on the 13th; **Jug Bay Wetlands**, 100 on the 19th; **Marty Sharrow** of **Owings Mills 2 SE**, 100 on the 14th; **Bill Hudelson** of **South Bowie**, 100 on the 14th; **Brian Smith** of **Oxon Hill**, 100 on the 12th & 14th; **Mike Van Wie** of **Orville**, 100 on the 13th; and **Jim Vaughn** of **Smithsburg 2 NE**, 103 on the 13th and 100 on the 15th. Washington National NWS recorded 100 degrees on the 13th. It also recorded eight (8) consecutive days from the 12th-19th with =>95 degrees. This set an August record. It was also the third time this has ever occurred.

Temperatures failed to rise out of the 60's on the 29th and 30th as a result of a stalled frontal system along the south-east coast and a high pressure system over the northeast.

### PRECIPITATION

This months total rainfall did not reflect the severe dryness and drought conditions the majority of the region is experiencing. Very little rain fell during the hottest portion of the month, the 1st through the 23rd. There were a few widely scattered thunderstorms, some severe during that period. **Brian Smith** of **Oxon Hill** observed 1" hail 1818-1824 hours on the 1st which covered the ground to an average depth of about a half inch. The hail also stripped many leaves off trees. **Marty Sharrow** of **Owings Mills 2 SE** reported 1" hail 1450 hours on the 3rd. **Ralph Hartsock** of **Westminster 4 SSE** reported marble size hail on the 3rd. Also on the 3rd **Joe Manfre** of **Baltimore 2 SE** reported a severe destructive thunderstorm 2 to 3 AM. 2.03" of rain fell. **Dan Hanson** of **Millersville 1 SE** reported 0.99" and **Rich Giannola** of **Olney 1 S** both on the 3rd. **Kevin Shaw** of **Gaithers-**

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Smithsburg 2 NE	103
Bethesda	101
Forest Glen	101
Oxon Hill	101

##### MINIMUM TEMPERATURE

Eagle Rock	42
Parkton 5 SW	46

##### WARMEST AVG. TEMP.

Baltimore 2 SE	81.1
Oxon Hill	80.0

##### COLDEST AVG. TEMP.

Eagle Rock	69.7
Hanover 2 S	74.0

##### MAXIMUM PRECIPITATION

St. Margarets	5.11
Glenmont 1 NNE	4.92

##### MINIMUM PRECIPITATION

Ridge	1.96
Eagle Rock	2.24

**burg 2 WNW** reported 0.72" on the 5th.

The next significant rains fell on the 24th. **Greg Keefer** of **Hagerstown 1 E** and **Jim Vaughn** of **Smithsburg 2 NE** both reported over 2", while between 1 and 2 inches was reported by **Gary Gallaher** of **Bear 2 SW DE**, **Al Kreinik** of **Parkton 5 SW**, **Marty Sharrow** of **Owings Mills**, **Herb Close** of **Manchester 1 S**, **Bobby Miller** of **Millers 4 NE**, **Lynn Albright** of **Fallston 2 NW**, and **Rob Rickell** of **Hanover 1 S PA**.

The heaviest rains fell on the 28th and 29th. The greatest amount of 4.39" fell at **Jug Bay Wetlands**. Amounts of over 2" was common from Baltimore south into Montgomery County and portions of Prince Georges County. The balance of the area, except for **Greg Keefer's Hagerstown 1 E** station, received over 1".

# OBSERVER COMMENTS FOR AUGUST 2002

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

Warmest August maximum temperature in station history. First month in station history with more than two (2) 100 degree days. Very dry through the 23rd. Plants showed extreme stress due to lack of moisture—the worst that I have ever seen. Lost many shrubs.

## **Dan Hanson of Millersville 1 SE**

Hot and dry also describe the month. Rainfall was more than one inch below average. Heavy rains on the 4th (0.99") and the 28th (1.21") were the biggest events of the month. There was also a rainless stretch from the 7th to the 22nd. The temperature reached 90 degrees on 12 days in a row from the 11th to the 22nd.

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

**Summer Stats:** Average max 85.6; Average min 61.5; Average temp 73.6, +2.3; Precipitation. 9.92", -1.95".

**2nd--** Heavy thunderstorm after observation (11:30 PM) with much lightning.

**20th --** 10th consecutive day with temps 90 or higher.

**24th --** Heavy thunderstorm with constant lightning 1:30 - 2:30 AM again 3:30 - 5:00 AM.

## **Marty Sharrow of Owings Mills**

**3rd --** Pre Dawn and PM thunderstorms. 1" hail at 1450 hours.

**14th --** Blazing sunshine but continued bone dry.

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

**3rd--** Severe destructive thunderstorm 2 to 3 AM, 2.03".

## **Herb Close of Manchester 1 S**

Hottest summer on record, 75.3 degrees; hottest August and second hottest month on record, 77.0 degrees; hottest average maximum temperature for any month, 88.0 degrees; most number of consecutive 90+ days for any month, 10 days; most number of 95+ days for any month, 10 days; tied all time record high temperature of 99 degrees on the 12th, 13th & 14th. Length of record is 14 years.

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

**3rd --** PM thunderstorm with marble size hail.

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

**Summer Stats:** Average max 85.4, +3.6; Average min 63.5, +1.4; Average temp 74.5, +2.5; Precipitation. 8.73", -2.15".

Warmest August on record. Record 15 days with temperatures 90+ and for the year - 33 days.

## **Rebecca Harvey of Eagle Rock**

**4th --**Thunderstorm with hail.

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

**3rd --** TSHRA with vivid lightning 3-4 AM = 0.10". TS began 3:40 PM. TSHRA 4:15 - 5:40 PM = 0.79".

**28th-29th --** RA all day on 28th totaling 1.95" by 10 PM. More RA began later in evening totaling 0.32" more by 7 AM on the 29th. Received 0.01" more RA later in AM.

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

**12th to 14th--** Record maximum temperature each day.

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

A hot August once again with a number of record breaking maximum temperatures to start the month similar to July. A cooler period at the end of the month with the biggest rainfall of the month kept us from breaking a lot of temperature records.

## **Joe Terry of Forest Glen**

**2nd --** First 100+ day since July 1999.

**6th --** Refreshing air finally moves in after 9 straight 90+ days.

**20th --** Foliage on small trees starting to yellow and fall off.

**28th --** Relief! 24 hours of continuous rain, occasionally heavy. Most since July 4, 2001.

## **Brian Smith of Oxon Hill**

**1st --** Hail up to 1" between 1818 and 1824 EDT. More hail than rain at one point, with leaves being shredded off trees. Hail covered the ground to about a half inch average depth.

## **Floyd Abell of Hollywood**

Record 13 days with temperatures 95 degrees or higher.

## **Mike Van Wie of Oraville**

**16th --** First 100 degree day ever!

## **John Zyla of Ridge**

Only two (2) thunderstorm days this month.

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

August 2002 tied 1993 for the sixth (6th) hottest on record. This summer's average temperature of 75.3 degrees was the 6th hottest on record. The hottest ever is 76.0 degrees set in 1995.

**6th --** Beautiful day with bright sunshine, lower temperature, and humidity.

**14th --** Set daily record maximum temperature of 98 degrees. Old record was 97 set in 1988.

**18th --** Tied daily maximum temperature of 96 degrees set in 1987.

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

First month in the past 17 and the second in the past 23 months with above normal precipitation. New record maximum temperatures set on the 1-5, 11-14, 18, 19, 21, 22, & 25. New record maximum minimum temperatures set on the 3, 15, 16, 18-20, 22, & 23. Maximum temperature of 103 on the 2nd, 3rd, & 13th tied station record maximum temperature.

**24th --** 2.17" set a daily record. It was also the most rain to fall in a 24 hour period since 3/21/00 and the most to fall in August since 8/17/94.

**28th --** 55 MPH wind gust set a new August record.

**30th --** 70 degrees set a daily low maximum temperature. It also tied the second lowest maximum temperature for August.

**ACON MD /DE / DC**  
**AUGUST 2002 SUMMARY**

OBSERVER	STATION	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 CAL	DATE	DAYS >=.01"	DAYS >=1"	YEAR	TOTAL	MAX CAL		DATE
<i>New Castle, Delaware</i>																								
Canavan, Jim	Wilmington 4 NNE	88.3	67.1	77.7	99	13	57	7	16	0	0				2.67	1.30	29	6	1	22.74M	0.0	0.0	0.0	2400
Gallaher, Gary	Bear 2 SW	89.3	66.2	77.8	100	1+	56	9	17	0	0	36	NNE	1	3.79	1.98	29	7	2	22.93	0.0	0.0	0.0	2400
Wilmington NWS ASOS	New Castle Co. Apt.	87.9	67.6	77.8	98	1+	57	7	14	0	0	36	NNW	1	2.03	0.93	29	5	0	21.24	0.0	0.0	0.0	2400
U of D DE Climatologist	Newark Pearson Hall	87.7	68.4	78.1	M		59	29	0	0	0	39	N	1	3.33	1.39	29	0	0	19.49M				2400
<i>Sussex, Delaware</i>																								
Georgetown NWS ASOS	Sussex Co. Airport	88.7	68.0	78.4	100	13	57	8+	16	0	0	31	NE	6	3.55	1.47	29	6	2	22.07	0.0	0.0	0.0	2400
U of D Research & Ed Ctr	Georgetown	87.7	66.9	77.3	97	13	55	8	15	0	0				2.92	1.37	29	6	1	18.64				2400
<i>Anne Arundel, Maryland</i>																								
Baltimore NWS ASOS	BWI Airport	88.9	67.9	78.4	99	13	56	8	17	0	0	37	NE	3	3.36	2.21	28	5	1	21.38	0.0	0.0	0.0	2400
Bryant, Dave	St. Margarets	89.2	70.4	79.8	100	17	62	7+	19	0	0				5.11	2.32	28	4	2	23.75	0.0	0.0	0.0	0700-P 1700-T
Hanson, Dan	Millersville 1 SE	89.4	67.0	78.2	99	22	54	9	19	0	0	20	E+	3+	2.86	1.21	28	8	1	23.81	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	91.8	66.6	79.2	100	19	52	8	20	0	0				4.79	4.25	29	7	1	25.05				0900
Stoudt, Jeff	Laurel 2 E	-	-	-	-	-	-	-	-	-	-				2.92	2.24	28	7	1	24.29	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Kreinik, Al	Parkton 5 SW	87.2	62.5	74.9	97	2+	46	8	16	0	0	28	NW	6	3.65	1.28	28	6	2	23.15	0.0	0.0	0.0	2200
Sharrow, Marty	Owings Mills 2 SE	88.2	65.7	77.0	100	14	55	29	17	0	0	27		6	3.53	1.41	28	5	2	20.49	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	89.5	72.7	81.1	100	2	60	29	19	0	0				4.81	2.16	28	4	2	25.37	0.0	0.0	0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	89.2	72.2	80.7	98	2+	60	28+	18	0	0				4.04	2.05	3	7	2	21.18				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	88.0	65.9	77.0	99	12+	53	7	16	0	0				3.87	1.23	24+	7	3	21.90	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	87.0	64.3	75.7	97	3+	54	7+	14	0	0				4.19	1.82	24	7	2	23.91	0.0	0.0	0.0	2200
Miller, Bobby	Millers 4 NE	87.2	64.9	76.1	97	2+	54	7	15	0	0	31	N	6	4.22	1.42	24	7	2	22.04	0.0	0.0	0.0	1800
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Head 2 ESE																			5.87M				2400
<i>Garrett, Maryland</i>																								
Harvey, Rebecca	Eagle Rock	80.5	58.8	69.7	90	2+	42	29	4	0	0				2.24	0.85	24	9	0	34.28	0.0	0.0	0.0	0800
<i>Harford, Maryland</i>																								
Albright, Lynn	Fallston 2 NW	89.5	64.2	76.9	99	13	54	7+	17	0	0				3.36	1.22	28	8	2	24.97	0.0	0.0	0.0	2400
<i>Howard, Maryland</i>																								
Giannola, Rich	Laurel JHU / APL	88.6	67.2	77.9	100	2	57	7+	19	0	0	36	NW	3	3.50	2.60	28	6	1	25.81	0.0	0.0	0.0	2400



**ACON MD / DE / DC**  
**AUGUST 2002 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	
WILMINGTON 4NNE CANAVAN	97	97	92	95	91	81	81	85	86	88	92	97	99	98	93	94	95	96	96	90	89	90	85	85	86	83	84	80	65	69	77	88.3	2400	
BEAR 2 SW, DE GALLAHER	100	100	95	96	93	81	81	85	87	90	93	98	100	99	95	94	96	97	95	90	89	90	88	88	86	85	87	73	68	70	80	89.3	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT	98	97	92	95	91	83	82	85	85	87	88	94	98	96	91	94	94	96	95	91	88	87	87	83	87	84	85	74	68	70	81	87.9	2400	
U of D DE Climatologist Newark Pearson Hall																																90.2	2400	
GEORGETOWN, DE NWS SUSSEX CO APT	95	96	94	96	96	82	81	84	85	88	92	96	100	97	94	95	95	97	95	90	86	91	88	88	86	86	85	74	71	71	75	88.7	2400	
GEORGETOWN, DE U OF D RES & ED CTR	96	96	94	95	94	80	80	83	83	87	91	95	97	94	91	94	95	96	96	90	85	88	88	87	86	84	84	73	71	71	74	87.7	2400	
BALTIMORE NWS BWI APT	96	98	93	93	94	81	80	83	85	90	92	98	99	98	94	95	95	96	96	92	88	94	87	89	88	83	86	76	69	71	77	88.9	2400	
ST MARGARETS BRYANT	97	97	92	94	97	82	81	84	87	90	92	95	98	98	95	94	100	98	95	93	90	90	91	89	87	82	86	75	68	72	76	89.2	1700	
MILLERSVILLE 1SE HANSON	98	99	93	96	96	84	82	84	87	88	92	94	98	97	93	94	96	97	97	92	90	94	89	90	90	84	85	74	69	72	78	89.4	2400	
LOTHIAN JUG BAY	96	97	97	96	M	99	83	82	85	86	90	93	98	99	99	96	97	98	100	99	97	89	96	94	92	91	84	86	68	M	76	91.8	0900	
LAUREL 2 E STOUDT	***PRECIPITATION ONLY STATION***																																	
PARKTON 5SW KREINIK	95	97	93	92	92	79	79	81	85	88	92	95	97	97	93	92	92	95	94	90	89	91	82	88	85	82	84	72	66	67	79	87.2	2200	
OWINGS MILLS 2SE SHARROW	98	99	96	95	94	81	78	81	87	92	94	97	99	100	96	92	93	95	95	88	90	93	85	84	83	81	83	74	65	67	78	88.2	2400	
BALTIMORE 2SE MANFRE	94	100	93	96	96	81	80	83	85	90	92	98	99	98	94	96	94	98	98	93	92	96	86	90	88	85	87	76	69	69	78	89.5	1800	
BALT INNER HARBOR MD SCIENCE CENTER	97	98	93	95	96	81	79	82	86	88	91	95	97	97	94	95	95	98	97	92	91	96	86	90	88	85	86	76	70	70	80	89.2	2400	
MANCHESTER 1SW CLOSE	97	98	95	95	95	78	78	84	86	89	95	99	99	99	94	91	92	98	94	90	89	94	82	87	85	81	82	73	64	66	78	88.0	2300	
WESTMINSTER 4SSE HARTSOCK	93	94	97	92	91	83	80	80	81	84	89	94	95	97	94	93	94	96	93	89	86	92	84	87	87	82	83	75	65	69	78	87.0	2200	
MILLERS 4NE MILLER	94	97	93	94	92	83	77	81	85	87	93	96	97	96	94	90	90	94	92	89	87	91	88	86	85	83	82	78	64	67	79	87.2	1800	
BRYANS ROAD 2 ESE BRUMBACK																																	2400	EDT
EAGLE ROCK HARVEY	84	90	90	90	89	84	72	70	72	80	84	84	82	89	90	86	79	80	82	80	79	84	84	84	79	74	79	79	62	61	74	80.5	0800	
FALLSTON 2 NW ALBRIGHT	98	98	95	97	97	80	79	84	86	89	92	97	99	97	93	96	96	98	97	91	92	91	87	89	88	86	89	70	69	71	82	89.5	2400	
LAUREL JHU / APL GIANNOLA	97	100	97	96	94	79	78	82	86	92	94	97	97	98	96	92	93	95	94	90	90	94	87	90	88	84	85	71	67	68	77	88.6	2400	
	73	71	69	68	73	66	57	57	58	61	62	66	71	73	74	74	76	76	73	73	66	67	75	70	69	66	66	58	57	60	59	67.2	EDT	

**ACON MD / DE / DC**  
**AUGUST 2002 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
POTOMAC 4N COHEN	93	95	94	91	92	79	78	80	82	87	90	93	94	96	92	90	90	93	93	90	86	92	87	84	85	82	83	77	68	68	76	86.5	2100
OLNEY 1 S GIANNOLA	95	96	93	91	90	80	79	82	85	88	92	94	95	96	>	>	>	>	94	88	86	91	86	86	86	80	82	73	66	67	75	85.8	2400
GLENMONT 1NNE ROSSEN	96	99	96	94	93	79	79	82	85	91	92	93	94	99	96	90	91	94	95	89	89	94	86	88	87	81	81	70	67	68	78	87.6	2400
BETHESDA SCAFIDE	100	101	94	96	94	87	83	88	91	94	96	97	98	97	90	89	89	92	92	88	85	90	86	85	84	82	82	73	67	70	75	88.3	2400
GAITHERSBURG 2WNW SHAW	97	100	99	96	96	81	81	83	86	90	95	96	97	98	94	91	93	95	95	88	90	94	88	88	86	82	85	72	66	69	78	88.7	2400
FOREST GLEN TERRY	97	101	98	95	96	83	82	84	87	91	95	97	98	98	96	91	93	96	95	92	89	95	88	87	88	82	85	73	68	71	78	89.3	2400
ROCKVILLE 1NE WASH GAS LIGHT	94	98	95	96	95	80	79	81	87	88	95	96	98	97	92	88	92	94	92	89	88	94	88	86	84	81	84	74	67	68	77	87.6	2400
SOUTH BOWIE HUDELSON	98	100	98	98	99	85	83	86	88	91	93	97	98	100	96	94	96	97	96	92	90	94	92	90	90	82	86	75	68	74	78	90.5	2400
OXON HILL SMITH	101	99	98	96	97	84	81	83	89	92	96	98	100	100	98	96	96	98	98	93	89	96	93	90	90	82	84	76	69	75	75	90.7	2300
HOLLYWOOD ABELL	98	97	95	95	98	83	81	84	88	90	94	98	98	97	96	95	96	96	97	92	90	94	94	92	88	85	83	72	72	75	77	90.0	2359
ORAVILLE VAN WIE	95	96	94	94	97	83	83	83	86	89	95	98	100	97	97	95	98	99	98	92	91	95	92	93	88	83	84	71	71	77	77	90.0	2400
RIDGE ZYL	96	93	91	92	94	83	79	82	86	86	89	91	92	93	92	92	94	97	93	90	88	90	92	89	87	86	80	73	72	73	75	87.4	2400
HAGERSTOWN 1E KEEFER	94	97	94	94	92	81	80	84	86	90	94	94	96	98	93	88	92	96	93	90	89	95	88	91	86	82	83	73	70	71	80	88.2	2400
SMITHSBURG 2 NE VAUGHN	101	103	103	97	100	81	85	87	92	90	97	98	103	98	100	94	98	97	95	93	92	97	89	91	92	84	88	71	69	70	80	91.5	2000
SALISBURY NWS WICOMICO CO APT	97	93	93	93	93	83	81	84	86	88	92	96	99	96	92	92	95	97	98	93	86	90	93	88	85	84	84	73	71	76	74	88.5	2400
HANOVER 2 S, PA RICKELL	94	97	92	93	88	78	76	80	83	88	92	94	94	97	94	90	89	94	92	86	87	92	76	86	82	82	81	69	65	69	78	85.7	2100
WASH NATIONAL NWS ASOS	99	100	97	96	97	84	82	85	87	90	94	97	100	99	96	95	96	98	98	94	89	94	91	89	90	84	85	76	70	74	76	90.4	2400
WASH DULLES NWS ASOS	95	99	96	99	96	82	81	83	86	90	95	98	98	98	95	93	93	97	95	92	89	95	92	92	89	83	84	69	69	73	77	89.5	2400

**ACON MD / DE / DC  
AUGUST 2002 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			
WILMINGTON 4NNE CANAVAN	0.02		0.11			T											T			T		0.01		0.93						0.30	1.30		2.67 0.0	2400 EDT		
BEAR 2 SW, DE GALLAHER	0.04		0.07		0.04													0.02						1.20							T	3.79 0.0	2400 EDT			
WILMINGTON, DE NWS NEW CASTLE CO APT	0.02	T	T		T	T											T	T		T		T	T	0.66						0.41	0.93		2.03 0.0	2400 EST		
U of D DE Climatologist Newark Pearson Hall																																3.33 0.0	2400 EDT			
GEORGETOWN, DE NWS SUSSEX CO APT	0.05				0.05	0.24												T													1.17	1.47		0.57 3.55 0.0	2400 EST	
GEORGETOWN, DE U OF D RES & ED CTR					0.01	0.24																		0.09							0.74	1.37		0.47 2.92 0.0	2400 EST	
BWI NWS ASOS	T		0.85		0.04	T												T						T	T		T	T		2.21	0.14		0.12 3.36 0.0	2400 EST		
ST MARGARETS BRYANT		0.92			0.33																										2.32			1.54 5.11 0.0	0700 EDT	
MILLERSVILLE 1SE HANSON			0.99		0.04	0.03																		0.01	0.28						1.21	0.23		0.07 2.86 0.0	2400 EDT	
LOTHIAN JUG BAY	T	0.10	0.19	T		0.09		T	T	T	T							0.01							T	T					0.14	4.25		0.01 4.79 0.0	0900 EDT	
LAUREL 2 E STOUDT	0.29		0.02		0.09													T						T	0.14						2.24	0.13		0.01 2.92 0.0	2400 EST	
PARKTON 5SW KREINIK			0.41		0.05																			0.03	1.16						1.28	0.72	T	3.65 0.0	2200 EDT	
OWINGS MILLS 2SE SHARROW			0.49		T																			T	1.23						1.41	0.39		0.01 3.53 0.0	2400 EDT	
BALTIMORE 2SE MANFRE			2.03			0.03												T						T	0.59						2.16			T 4.81 0.0	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER			2.05															0.01						0.02	0.60						1.24	0.09		0.03 4.04 -	2400 EST	
MANCHESTER 1SW CLOSE					0.07																			0.10	1.23						1.21	1.23		0.01 3.87 0.0	2300 EDT	
WESTMINSTER 4SSE HARTSOCK			0.22		0.11										0.01			T						0.05	1.82						1.33	0.65		4.19 0.0	2200 EDT	
MILLERS 4NE MILLER			T			0.06											T	0.16		0.12				0.20	1.42	T					0.87	1.39	T	4.22 0.0	1800 EDT	
BRYANS ROAD 2 ESE BRUMBACK																																			2400 EDT	
EAGLE ROCK HARVEY		T		0.50		0.27										0.11	0.02	T	0.11	0.06					0.85	0.09						0.23			2.24 0.0	800 EDT
FALLSTON 2 NW ALBRIGHT		T	0.33		0.32							T													0.03	1.20	0.02					1.22	0.19		0.05 3.36 0.0	2400 EDT
LAUREL JHU / APL GIANNOLA			0.30		0.08																			T	0.19		T				2.60	0.30		0.03 3.50 0.0	2400 EDT	

**ACON MD / DE / DC**  
**AUGUST 2002 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	
POTOMAC 4N COHEN			0.42		0.40	0.04																	0.05	0.33				2.37	0.45		T	4.06 0.0	2100 EDT	
OLNEY 1 S GIANNOLA			0.89		0.17																		0.07	0.17		T		>	2.28		T	3.58 0.0	2400 EDT	
GLENMONT 1NNE ROSSEN			1.87		0.49	0.01									T		0.01						0.03	0.12		0.05	T	2.14	0.15		0.05	4.92 0.0	2400 EST	
BETHESDA SCAFIDE			0.52		0.52	0.04																	0.04	0.40				2.28	0.21		0.05	4.06 0.0	2400 EDT	
GAITHERSBURG 2WNW SHAW			0.46		0.72																		0.04	0.23			T	1.80	0.36		T	3.61 0.0	2400 EDT	
FOREST GLEN TERRY			0.52		0.15	0.01																	0.03	0.15			T	2.39	0.26		0.03	3.54 0.0	2400 EDT	
ROCKVILLE 1NE WASH GAS LIGHT			1.26		0.22	T																	0.02	0.34		T	T	2.04	0.27			4.15 0.0	2400 EDT	
SOUTH BOWIE HUDELSON			0.07		0.44	0.01												T					T	0.20				1.73	0.46		0.14	3.05 0.0	2400 EDT	
OXON HILL SMITH	0.77		T	0.01	0.01	0.06						T					T							0.08		T		1.29	0.26		T	2.48 0.0	2300 EDT	
HOLLYWOOD ABELL	T				T	0.08																	0.32	0.12				1.39	0.48		0.19	2.58 0.0	2359 EDT	
ORAVILLE VAN WIE					T	0.01																	0.35	0.18			T	1.33	0.28		0.14	2.29 0.0	2400 EDT	
RIDGE ZYLA						0.07										0.05	T						0.07	0.23			T	0.52	0.91	0.03	0.08	1.96 0.0	2400 EDT	
HAGERSTOWN 1E KEEFER	0.06	T			0.12								0.25	0.08						T		T	0.10	2.24				0.68	0.17			3.70 0.0	2400 EDT	
SMITHSBURG 2 NE VAUGHN	0.03		T		0.10								0.19	T	T		0.01		0.01				0.13	2.17				0.85	0.18	0.01		3.68 0.0	2000 EDT	
SALISBURY NWS WICOMICO CO APT		T		0.01	T	0.14									T	T		T		T			0.07				T	1.33	0.34	T	0.84	2.73 0.0	2400 EST	
HANOVER 2 S, PA RICKELL		0.02			0.22										T	T				0.20	0.05	0.20	0.35	1.37				1.05	0.95	T	T	4.41 0.0	2100 EDT	
WASH NATIONAL NWS ASOS	T		T		0.08	0.01						T											T	0.07				T	1.36	0.10		0.01	1.63 0.0	2400 EST
WASH DULLES NWS ASOS			0.02		0.26	0.01									0.07	T	T						T	0.13		0.49	T	1.73	0.19	0.01	0.01	2.92 0.0	2400 EST	