



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

## EXTREMELY HEAVY RAINS ON DELMARVA DROUGHT CONTINUES IN OTHER AREAS

The month began on a wet note especially in Southern Delaware and the Lower Eastern Shore of Maryland. Snow Hill Maryland recorded 14.31" between midnight and 2 PM on the 1st. Otherwise the month was fairly "quiet". Precipitation was above normal in Southern Delaware, Maryland's lower Eastern Shore, and in extreme Northern Maryland. The Baltimore / Washington region's precipitation was generally close to normal while areas south and east of Washington D.C. were below normal. Temperatures averaged above normal. There was no extreme heat or cold this month.

Two tropical storms moved northeast off the North Carolina coast. The first was Gustav. It moved northeast off of North Carolina's Outer Banks on the 10th and became the season's first hurricane. The cold front which moved through the region after Gustav brought wind gusts to 56 MPH on the 11th. Tropical storm Isidore moved up along the South and North Carolina coast and out to sea on the 26th. Another storm system which moved up west and ahead of Isidore brought heavy soaking rains to the region.

### TEMPERATURE

The extreme heat of this summer did not move into the first month of meteorological autumn. This month's maximum temperatures in the neighborhood of 90 degrees was "normal" for September. Across the entire region there was only a seven (7) degree spread between the "coolest", 86 degrees recorded by **Robert Rickell of Hanover 2 S PA**, and the "hottest", 93 reported by **Joe Terry of Forest Glen**. The warmest temperatures of the month occurred ahead and with the passage of Tropical Storm Gustav.

The coolest temperatures occurred generally around the 12th or 13th and the 24th. **Rebecca Harvey of Eagle Rock**, which is located in Western Mary-

land's Garrett County, observed 42 on the 12th and 13th. **Robert Rickell of Hanover 2 S PA** observed 42 on the 29th. **Joe Manfre of Baltimore 2 SE** observed the warmest minimum temperature of 58 degrees on the 24th.

Tropical Storm Isidore pulled some high tropical dew points into the region on the 27th. **Joe Terry of Forest Glen** noted that "the evening conditions were as uncomfortable as any summer evening".

### PRECIPITATION

September began on a wet note and ended on a wet note. In between it was extremely dry. All of the moisture which fell during the last week of August and the first day of September was absorbed into the ground or evaporated making the ground quite dry resulting in the worsening of the long term hydrologic drought.

In addition to the extremely heavy rains of 6 to 14+ inches which fell in Lower Delaware and the Lower Eastern Shore of Maryland on the 1st amounts of over 1" fell throughout Delaware, the Chesapeake Bay region and in portions of the following Maryland counties: Carroll, Howard, and Montgomery. Light rains fell mid month.

Heavy rains fell on the 22nd in Washington County. The heaviest rains of the month fell on the 26th and the 27th. Amounts of over 2 inches fell in Central Maryland west and north of I-95. **Robert Rickell of Hanover 2 S PA** reported the greatest amount of 3.32" The least amount fell in the region which received the extreme amounts of the 1st.

### MEMBER NEWS

Lynn Albright of Fallston 2 NW was taken to the hospital the morning of November 6. After a whole day of testing, they found her gall bladder to be failing. She will be in the hospital for a few days. Surgery is scheduled for this Friday. (Information received on November 7.)

### EXTREMES REPORTED BY ACON OBSERVERS

#### MAXIMUM TEMPERATURE

Forest Glen	93
Six (6) Stations	92

#### MINIMUM TEMPERATURE

Eagle Rock	42
Hanover 2 S PA	42

#### WARMEST AVG. TEMP.

Baltimore 2 SE	73.6
Ridge	73.0

#### COLDEST AVG. TEMP.

Eagle Rock	64.0
Hanover 2 S PA	65.6

#### MAXIMUM PRECIPITATION

U of D Georgetown DE	8.68
Hanover 2 S PA	5.12

#### MINIMUM PRECIPITATION

Oxon Hill	2.34
Jug Bay Wetlands	2.40

### WEATHER PARTY

### SATURDAY, DEC 7, 2002

**Herb Close of Manchester 1 S Maryland will be holding his annual Weather Party from 3 PM to 1 AM at his home. Please RSVP to Herb by Thanksgiving, November 28th. If you need directions contact Herb or Kevin Shaw.**

# OBSERVER COMMENTS FOR SEPTEMBER 2002

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

Mild, uneventful month. Precipitation again below normal despite two major events (1st & 26th-28th), otherwise very dry. Remnants of Tropical Storm Isidore brought a good soaking rain on the 26th. Tropical storm Gustav passed off the Outer Banks of North Carolina and then moved NE into the Atlantic as a hurricane. It was followed by the passage of the cold front with strong winds on the 11th.

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

**26th** -- Light AM rain becoming moderate in mid afternoon and heavier in evening due to Isidore.

## **Marty Sharrow of Owings Mills**

**8th** -- Overcast & foggy AM, dry afternoon.

**27th** -- Foggy AM, variable clouds humid PM, with evening showers.

**30th** -- Patchy dense AM fog

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

**6th—8th** -- Sunny, warm, low humidity

**9th—10th** -- Partly cloudy, hot, low humidity

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

**1st** -- Rainy morning.

**21st** -- Cloudy, sprinkles, then heavier showers & storms.

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

**27th** -- Heavy rain shower 9 PM—distant thunder north.

## **Lynn Albright of Fallston 2 NW**

**26th** -- Heaviest daily rainfall of the year so far (1.95").

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

**26th** -- 2.03" - soaking rains from the remnants of Tropical Storm Isidore.

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

**26th-28th** -- Remnants of Tropical Storm Isidore brought soaking rains on the 26th & 27th, particularly from the afternoon of the 26th into AM on the 27th (1.69").

SHRA-'s during day on 27th = 0.02". Cold FROPA evening of 27th into early AM on 28th brought 0.56" more.

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

**27th** -- Very humid. Rain after 9 PM (0.60")

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

A somewhat more placid September, with some beneficial rains, albeit on precious few days as has been the pattern over the summer. Very few records broken, first month with above normal precipitation in quite a while. Once again 3 days during the month had most of the rainfall for the month. This time it was 88.3% of our total amount for the month that fell on these 3 days.

## **Joe Terry of Forest Glen**

Wet beginning and end to the month, otherwise long stretch of very warm, dry conditions from the 3rd to the 22nd.

**1st** -- Second big rain event (>1") in 5 days. Heaviest rain between 0330 & 0430 hours (~1/2").

**27th** -- Very pronounced warm FROPA at 1500 hours. Dewpoint rose 15 degrees with a sharp increase in wind from the SW. Evening conditions were as uncomfortable as any summer evening. Late evening temperature 79 degrees with a 74 degree dew point.

## **Brian Smith of Oxon Hill**

**10th** --0700 hours --SHRA, the last gasp of a rain band from Hurricane Gustav. 0641-0651hours: as I returned from BWI approaching ADW, I saw the left leg of a brilliant rainbow.

**11th** -- A beautiful day like 9/11/01, free of terrorist attacks but not of tension.

## **Bill Hudelson of South Bowie**

**1st** -- Occasional rains most of the day.

**25th** -- Solar halo 1130 hours.

## **Floyd Abell of Hollywood**

**8th** -- Foggy till mid morning then fair.

**15th** -- Heavy early afternoon showers.

## **John Zyla of Ridge**

Still have a rain deficit of 15.37" inches for the last 13 months.

**19th** -- Light fog.

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

**3rd** -- Mostly sunny very warm and humid today.

**7th** -- Chilly low of 53. sunny warm high of 83.

**19th** -- Rain with some embedded thunderstorms today 9:30 AM—1:30 PM. 0.36" fell.

**22nd** -- Heavier rain this evening with some thunder and downpours of rain. A well needed 0.97" of rain fell by midnight.

**30th** -- Some fog this morning.

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

Precipitation above normal for two consecutive months. The last time this happened was in May & June 2000. This was the first month with over 5" of precipitation since 7.58" fell in September 1999.

**21st** -- 71 degree minimum tied the September high minimum temperature set on several occasions.

**22nd** -- Daily high precipitation set (1.82")

**26th** -- Daily high precipitation set (1.88")

**ACON MD /DE / DC  
SEPTEMBER 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	78.6	59.2	68.9	88	9+	51	12	0	0	0				2.70	1.40	26	4	2	25.44M	0.0	0.0	0.0	2400
Gallaher, Gary	Bear 2 SW	80.1	57.8	69.0	90	4+	48	13+	3	0	0	47	WNW	11	3.40	1.48	1	6	2	26.33	0.0	0.0	0.0	2400
Wilmington NWS ASOS	New Castle Co. Apt.	79.5	59.1	69.3	90	4+	50	24	2	0	0	44	NW	11	3.42	1.58	1	7	2	24.66	0.0	0.0	0.0	2400
U of D DE Climatologist	Newark Pearson Hall	78.9	60.6	69.8	M		54	29	2	0	0				2.84	1.21	26	0	0	22.33M	0.0	0.0	0.0	2400
<i>Sussex, Delaware</i>																								
Georgetown NWS ASOS	Sussex Co. Airport	79.8	61.3	70.6	90	4	51	13	1	0	0	31	WNW	11	8.22	6.22	1	8	2	30.29	0.0	0.0	0.0	2400
U of D Research & Ed Ct	Georgetown	79.4	60.4	69.9	89	4	50	13	0	0	0				8.68	7.20	1	7	1	27.32				2400
<i>Anne Arundel, Maryland</i>																								
Baltimore NWS ASOS	BWI Airport	80.3	58.7	69.5	90	10	48	24	1	0	0	36	WNW	11	3.17	1.62	26	6	1	24.55	0.0	0.0	0.0	2400
Bryant, Dave	St. Margarets	80.8	63.5	72.2	90	4	56	24	1	0	0				2.58	1.22	26	4	2	26.33	0.0	0.0	0.0	2400
Hanson, Dan	Millersville 1 SE	81.8	58.7	70.3	92	10	48	24	2	0	0	31	WNW	11	3.31	1.41	26	7	2	27.12	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	82.2	58.9	70.6	92	5	45	24	1	0	0				2.40	1.02	1	15	1	27.45				0900
Stoudt, Jeff	Laurel 2 E	-	-	-	-	-	-	-	-	-	-				3.78	1.56	26	5	2	28.07	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Kreinik, AI	Parkton 5 SW	79.5	54.9	67.2	90	10	44	24	1	0	0				4.20	1.50	26	5	2	27.35	0.0	0.0	0.0	2200
Sharrow, Marty	Owings Mills 2 SE	78.9	57.5	68.2	91	10	48	24	2	0	0	26		28	3.71	1.58	26	7	2	24.20	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	81.5	65.6	73.6	91	10	58	24	3	0	0				3.15	1.80	26	5	1	28.52	0.0	0.0	0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	81.4	65.1	73.3	91	10	58	24+	3	0	0				3.14	1.74	26	5	1	24.32				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	78.0	59.8	68.9	90	10	52	12	1	0	0				4.31	1.52	26	9	2	26.21	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	78.2	56.5	67.4	90	10	45	24	1	0	0				3.19	1.42	26	8	1	27.10	0.0	0.0	0.0	2200
Miller, Bobby	Millers 4 NE	78.6	57.8	68.2	90	10	44	24	1	0	0	39	NW	11	4.61	1.30	27	8	2	26.65	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	75.3	52.7	64.0	89	10+	42	12+	0	0	0				4.01	1.37	27	11	1	38.29	0.0	0.0	0.0	0800
<i>Harford, Maryland</i>																								
Albright, Lynn	Fallston 2 NW	79.7	55.6	67.7	90	10	46	24	1	0	0				5.08	1.95	26	6	2	30.05	0.0	0.0	0.0	2400
<i>Howard, Maryland</i>																								
Giannola, Rich	Laurel JHU / APL	80.8	59.5	70.2	92	10	51	24	2	0	0	34	WNW	11	4.31	2.03	26	7	2	30.12	0.0	0.0	0.0	2400

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SEPTEMBER 2002 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 CAL	DATE	DAYS >=.01"	DAYS >=1"	YEAR	TOTAL	MAX CAL		DATE
<i>Montgomery, Maryland</i>																								
Cohen, Rob	Potomac 4 N	79.1	60.2	69.7	88	10	47	24	0	0	0				4.18	1.54	1	7	2	31.88	0.0	0.0	0.0	2100
Giannola, Rich	Olney 1 S	78.6	60.0	69.3	88	10	50	24	0	0	0				3.27	2.27	26-28	4	1	26.71	0.0	0.0	0.0	2400
Rossen, Stan	Glenmont 1 NNE	80.5	58.6	69.6	90	3+	47	24	3	0	0	18	SE	27	3.89	1.67	1	7	2	27.70	0.0	0.0	0.0	2400
Scafide, Tony	Bethesda	78.3	60.5	69.4	88	10	50	24	0	0	0	22		11	3.09	1.53	26	8	1	26.17	0.0	0.0	0.0	2400
Shaw, Kevin	Gaithersburg 2 WNW	79.1	57.6	68.4	89	10	45	24	0	0	0				4.09	1.93	26	7	1	28.98	0.0	0.0	0.0	2400
Terry, Joe	Forest Glen	81.6	59.9	70.8	93	10	48	24	3	0	0	23	WSW	11	3.61	1.58	26	8	2	26.16	0.0	0.0	0.0	2400
Wash Gas Light	Rockville 1 NE	79.9	60.1	70.0	92	10	48	24	2	0	0				3.62	1.49	26	7	2	25.72	0.0	0.0	0.0	2400
<i>Prince Georges, Maryland</i>																								
Hudelson, Bill	South Bowie	80.5	61.0	70.8	90	4	51	24	1	0	0	33	NW	11	2.75	1.26	1	7	1	23.78	0.0	0.0	0.0	2400
Smith, Brian	Oxon Hill	81.8	61.5	71.7	92	4	52	24	2	0	0				2.34	1.10	1	8	1	22.55	0.0	0.0	0.0	2300
<i>St. Marys, Maryland</i>																								
Abell, Floyd	Hollywood	80.8	62.4	71.6	91	4	54	13	1	0	0	26		11	3.25	1.30	1	6	1	22.52	0.0	0.0	0.0	2400
Van Wie, Michael	Oraville	80.2	59.8	70.0	92	15	50	12	2	0	0	36		11	2.63	1.04	1	8	1	21.81	0.0	0.0	0.0	2400
Zyla, John	Ridge	80.5	65.4	73.0	88	4	56	12	0	0	0	27	E	23	2.49	0.70	26	8	0	26.61	0.0	0.0	0.0	2400
<i>Washington, Maryland</i>																								
Keefer, Greg	Hagerstown 1 E	79.2	57.7	68.5	91	10	45	24	2	0	0	38	NW	11	4.22	1.98	26	10	1	26.89	0.0	0.0	0.0	2400
Vaughn, Jim	Smithsburg 2 NE	79.5	58.0	68.8	92	10	47	24	3	0	0	56	N	11	5.06	1.88	26	9	2	26.74	0.0	0.0	0.0	2000
<i>Wicomico, Maryland</i>																								
Salisbury NWS ASOS	Wicomico Co. Apt	80.3	57.2	68.8	91	4	43	13	1	0	0	38	WNW	11	8.74	8.01	1	7	1	31.72	0.0	0.0	0.0	2400
<i>York, Pennsylvania</i>																								
Rickell, Robert	Hanover 2 S, PA	76.8	54.4	65.6	86	9+	42	29	0	0	0				5.12	2.13	26	8	2	30.08	0.0	0.0	0.0	2100
<i>Arlington, Virginia</i>																								
Wash National NWS	National Airport	81.7	64.3	73.0	92	4	55	24	3	0	0	41	NNW	11	2.10	0.85	1	9	0	20.54	0.0	0.0	0.0	2400
<i>Loudon, Virginia</i>																								
Wash Dulles NWS ASOS	Dulles Airport	80.7	57.5	69.1	91	10	45	24	1	0	0	37	NNW	11	2.84	1.62	26	6	1	25.39	0.0	0.0	0.0	2400
<b>SECTION AVERAGE</b>		<b>79.8</b>	<b>59.5</b>	<b>69.7</b>											<b>3.88</b>						<b>0.0</b>			

**NOTES:**

M = MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

GARY GALLAHER 11/07/02



**ACON MD / DE / DC**  
**SEPTEMBER 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	68	70	86	86	82	77	80	82	87	88	77	75	82	81	77	84	80	82	80	84	86	84	77	76	74	66	78	77	73	74		79.1	2100	
OLNEY 1 S GIANNOLA	65	71	86	87	82	77	79	80	86	88	78	77	>	>	>	83	81	80	80	83	85	83	74	75	73	64	>	>	78	71		78.6	2400	
GLENMONT 1NNE ROSSEN	65	72	90	88	82	80	84	86	89	90	78	79	87	81	77	84	82	83	83	86	90	88	73	77	73	64	80	75	75	74		80.5	2400	
BETHESDA SCAFIDE	66	72	84	87	81	77	79	82	86	88	77	78	81	79	76	83	80	81	79	82	84	83	73	74	74	66	79	74	72	74		78.3	2400	
GAITHERSBURG 2WNW SHAW	58	62	59	70	60	60	58	58	56	65	64	54	54	63	70	68	62	60	66	66	66	69	57	50	54	58	57	60	55	57		60.5	EDT	
FOREST GLEN TERRY	64	72	86	86	82	78	82	82	87	89	76	77	83	80	77	84	81	85	81	85	87	85	72	75	76	64	79	73	71	74		79.1	2400	
ROCKVILLE 1NE WASH GAS LIGHT	58	58	55	64	56	56	53	53	51	61	63	49	48	60	71	65	60	56	68	66	68	70	50	45	50	57	56	55	50	56		57.6	EDT	
ROCKVILLE 1NE WASH GAS LIGHT	65	72	88	87	82	81	83	85	90	92	77	78	85	79	77	83	82	82	81	84	88	84	72	71	76	65	82	75	74	77		79.9	2400	
SOUTH BOWIE HUDELSON	59	61	57	69	62	59	55	55	63	63	63	54	49	64	71	68	62	60	66	67	67	69	56	48	54	58	57	59	53	54		60.1	EDT	
SOUTH BOWIE HUDELSON	66	76	76	90	84	80	82	83	87	89	81	78	84	84	80	85	82	83	82	85	89	86	76	78	75	66	81	78	74	76		80.5	2400	
OXON HILL SMITH	62	63	60	72	64	62	57	58	56	62	68	54	52	54	72	70	63	60	64	65	66	68	58	51	55	62	60	60	55	56		61.0	EDT	
OXON HILL SMITH	66	76	89	92	86	80	82	86	89	91	81	80	85	88	79	85	M	M	M	M	M	M	89	77	79	76	70	83	80	78	77		81.8	2300
HOLLYWOOD ABELL	60	62	62	71	64	63	59	60	57	67	67	58	53	63	70	69	63	M	61	M	M	M	64	52	56	61	60	64	56	58		61.5	EDT	
HOLLYWOOD ABELL	71	75	86	91	84	79	80	83	86	86	82	79	83	82	81	84	82	84	82	85	86	85	74	77	75	67	84	79	76	76		80.8	2359	
ORAVILLE VAN WIE	65	62	61	72	64	63	58	59	60	66	65	56	54	63	71	70	64	62	62	64	68	65	61	55	57	65	66	59	56	58		62.4	EDT	
ORAVILLE VAN WIE	69	77	85	90	82	76	78	79	83	86	82	75	81	83	92	84	80	81	83	85	87	85	75	75	75	67	85	77	73	75		80.2	2400	
RIDGE ZYLA	63	60	59	67	60	59	55	57	56	64	65	50	56	59	69	69	60	59	60	62	64	64	59	51	55	62	64	57	54	55		59.8	EDT	
RIDGE ZYLA	71	75	84	88	82	80	80	82	86	86	84	77	83	82	83	80	80	82	81	83	86	85	74	76	77	73	86	78	77	75		80.5	2400	
HAGERSTOWN 1E KEEFER	67	63	63	73	67	63	59	65	65	74	61	56	62	68	71	68	66	65	64	67	71	68	63	64	62	65	72	66	62	62		65.4	EDT	
HAGERSTOWN 1E KEEFER	66	73	88	89	82	80	83	86	90	91	76	79	85	83	75	83	84	84	80	86	77	78	72	75	72	62	75	74	72	75		79.2	2400	
SMITHSBURG 2 NE VAUGHN	60	61	57	67	58	58	53	54	50	58	61	54	47	59	70	63	56	55	66	65	70	67	52	45	52	57	56	55	48	56		57.7	EDT	
SMITHSBURG 2 NE VAUGHN	66	75	88	91	82	80	83	84	90	92	77	78	84	83	75	87	85	83	79	85	79	79	69	75	73	62	77	73	76	75		79.5	2000	
SALISBURY NWS WICOMICO CO APT	58	58	58	66	57	55	55	55	54	61	62	53	50	62	70	60	57	57	66	66	71	67	51	47	53	55	56	56	49	56		58.0	EDT	
SALISBURY NWS WICOMICO CO APT	76	79	88	91	83	77	79	81	85	85	84	75	80	81	80	79	80	82	80	82	86	84	76	77	76	69	85	79	74	76		80.3	2400	
HANOVER 2 S, PA RICKELL	69	68	68	62	59	52	48	51	56	70	60	44	43	57	71	67	55	54	50	53	57	53	63	52	52	65	69	53	50	46		57.2	EST	
HANOVER 2 S, PA RICKELL	65	73	85	85	79	77	78	78	86	86	76	78	82	79	75	82	81	80	77	82	76	77	70	73	70	62	76	73	69	74		76.8	2100	
WASH NATIONAL NWS ASOS	56	54	52	58	55	51	51	51	50	58	51	50	50	60	69	59	54	53	61	63	68	65	50	43	49	56	56	49	42	49		54.4	EDT	
WASH NATIONAL NWS ASOS	67	77	88	92	85	81	83	84	90	91	81	79	84	83	78	84	84	82	85	88	87	77	80	77	68	85	77	75	76		81.7	2400		
WASH DULLES NWS ASOS	61	65	64	73	65	65	63	65	60	69	65	59	58	67	72	70	65	65	68	68	69	71	60	55	59	61	60	63	60	65		64.3	EST	
WASH DULLES NWS ASOS	65	73	89	89	83	80	84	83	89	91	79	77	86	81	77	85	83	85	82	86	88	85	74	77	76	66	82	77	74	76		80.7	2400	
WASH DULLES NWS ASOS	60	58	56	64	58	57	53	54	51	61	61	49	51	59	71	62	57	55	66	64	68	68	49	45	52	58	58	53	52	56		57.5	EST	

**ACON MD / DE / DC**  
**SEPTEMBER 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	1.05	0.05																								1.40	0.20					2.70 0.0	2400 EDT																											
BEAR 2 SW, DE GALLAHER	1.48														0.05	0.04									T	1.44	0.27	0.12				3.40 0.0	2400 EDT																											
WILMINGTON, DE NWS NEW CASTLE CO APT	1.58	T												0.01	0.08	0.01									T	1.43	0.30	0.01				3.42 0.0	2400 EST																											
U of D DE Climatologist Newark Pearson Hall	***DAILY PRECIPITATION READINGS UNKNOWN***																																																										2.84 0.0	2400 EDT
GEORGETOWN, DE NWS SUSSEX CO APT	6.22	0.01													1.00	0.51										0.01		T	0.43	0.01	0.03			8.22 0.0	2400 EST																									
GEORGETOWN, DE U OF D RES & ED CTR	7.20	0.03								0.01					0.95												0.46	0.02	0.01				8.68 0.0	2400 EST																										
BWI NWS ASOS	0.94													0.05	0.09	0.01											T	T				1.62	0.46	T		3.17 0.0	2400 EST																							
ST MARGARETS BRYANT	1.21													T	0.04												1.22	0.11					2.58 0.0	0700 EDT																										
MILLERSVILLE 1SE HANSON	1.30													0.01	0.04	0.02											1.41	0.51	0.02				3.31 0.0	2400 EDT																										
LOTHIAN JUG BAY	1.02	0.19	0.01	T			0.01	0.01		T	0.01			0.01	0.12	0.10	0.01	0.01	0.01	T						0.02	T	T	0.01	0.86	T	T		2.40 0.0	0900 EDT																									
LAUREL 2 E STOUDT	1.17													>	>	>	0.56									0.01						1.56	0.48		3.78 0.0	2400 EST																								
PARKTON 5SW KREINIK	1.15														0.50												0.09					1.50	0.96	T		4.20 0.0	2200 EDT																							
OWINGS MILLS 2SE SHARROW	0.58													0.01	0.11	0.01										0.19		T	1.58	1.23			3.71 0.0	2400 EDT																										
BALTIMORE 2SE MANFRE	0.85													T	0.07												0.01					1.80	0.42		3.15 0.0	1800 EDT																								
BALT INNER HARBOR MD SCIENCE CENTER	0.92													0.02	0.09												1.74	0.37					3.14 -	2400 EST																										
MANCHESTER 1SW CLOSE	1.03													0.05	0.35	0.01										0.06	T	0.45	0.01	1.52	0.83			4.31 0.0	2300 EDT																									
WESTMINSTER 4SSE HARTSOCK	0.36													T	0.10	0.02										0.25	0.20	0.01	1.42	0.83			3.19 0.0	2200 EDT																										
MILLERS 4NE MILLER	1.26	T													0.22	0.08										0.39	0.41		0.59	1.30	0.36			4.61 0.0	1800 EDT																									
BRYANS ROAD 2 ESE BRUMBACK																																		0.00 0.0	2400 EDT																									
EAGLE ROCK HARVEY	0.01														0.01	0.38	0.02		0.32	0.04						0.07	0.86		0.15	1.37	0.78			4.01 0.0	800 EDT																									
FALLSTON 2 NW ALBRIGHT	1.67	0.02												T	0.66												0.03		T	1.95	0.75			5.08 0.0	2400 EDT																									
LAUREL JHU / APL GIANNOLA	1.36													0.15	0.23												0.09			2.03	0.44	0.01		4.31 0.0	2400 EDT																									

**ACON MD / DE / DC  
SEPTEMBER 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	1.54														0.10	0.02										T	1.41	0.35	0.60				4.18 0.0	2100 EDT	
OLNEY 1 S GIANNOLA	0.65														0.20											T	>	>	2.27				3.27 0.0	2400 EDT	
GLENMONT 1NNE ROSSEN	1.67	T												0.06	0.06	T										T	1.56	0.46					3.89 0.0	2400 EST	
BETHESDA SCAFIDE	0.96													0.05	0.05	0.01											1.53	0.35	0.02				3.09 0.0	2400 EDT	
GAITHERSBURG 2WNW SHAW	0.85													T	0.12	0.03										T	1.93	0.84					4.09 0.0	2400 EDT	
FOREST GLEN TERRY	1.41													0.01	0.22	0.01										T	0.08		1.58	0.29	0.01			3.61 0.0	2400 EDT
ROCKVILLE 1NE WASH GAS LIGHT	1.16													T	0.16	0.01												1.49	0.65					3.62 0.0	2400 EDT
SOUTH BOWIE HUDELSON	1.26													0.17	0.09	0.04											0.95	0.06	0.18				2.75 0.0	2400 EDT	
OXON HILL SMITH	1.10									T				0.28	0.07	0.01											0.63	0.16	0.03				2.34 0.0	2300 EDT	
HOLLYWOOD ABELL	1.30													0.18	0.75	0.15											0.80	0.07					3.25 0.0	2359 EDT	
ORAVILLE VAN WIE	1.04	0.01												0.32	0.18	0.24											0.70	0.09					2.63 0.0	2400 EDT	
RIDGE ZYLA	0.68	0.04								0.05				0.03	0.47	0.42											0.70	0.10					2.49 0.0	2400 EDT	
HAGERSTOWN 1E KEEFER	0.12													0.06	0.01			0.36		0.08	0.97	0.02			0.03	1.98	0.59						4.22 0.0	2400 EDT	
SMITHSBURG 2 NE VAUGHN	0.15		0.01											0.08				0.31		0.01	1.82	0.01				T	1.88	0.79					5.06 0.0	2000 EDT	
SALISBURY NWS WICOMICO CO APT	8.01									T				0.01	0.30	0.08											0.27	0.01	0.06				8.74 0.0	2400 EST	
HANOVER 2 S, PA RICKELL	0.30													T	0.20			0.05	T		0.35	0.50	0.40			T	2.13	1.19		T			5.12 0.0	2100 EDT	
WASH NATIONAL NWS ASOS	0.85									T				0.16	0.17	0.01											0.73	0.13	0.01				2.10 0.0	2400 EST	
WASH DULLES NWS ASOS	0.39													T	0.09	0.02										T	1.62	0.48					2.84 0.0	2400 EST	