



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

MONTH BEGAN QUITE WARM AND ENDED COLD ICE STORM IN WESTERN MARYLAND

The major highlight of the month was the record breaking cold maximum temperature of the 30th. Another monthly highlight was the above normal precipitation which put a dent into the drought. The rains were beneficial to streams and reservoirs. As a result of the rains Delaware cancelled drought restrictions that were in place north of the C&D canal since August 4th. Wintry weather was confined to Western Maryland where a damaging ice storm hit on the 29th & 30th.

TEMPERATURE

October began with summer like temperatures and humidity. 80's was the norm for the first five (5) days. A few 90 degree readings were observed. **Jug Bay Wetlands** of **Lothian** observed 92 degrees. **John Zyla** of **Ridge** recorded his first 90 degree reading for the month of October in his eight (8) years of observing. The following ACON observers recorded at least one day where the temperature failed to fall below 70 degrees: **Joe Manfre** of **Baltimore 2 SE**, **Rich Giannola** of **JHU/APL** and **Olney 1 S**, **Rob Cohen** of **Potomac 4 N**, **Tony Scalfide** of **Bethesda**, **Joe Terry** of **Forest Glen**, **Bill Hudelson** of **South Bowie**, and **John Zyla** of **Ridge**. A few ACON observers reported the following record temperatures: maximum for October and high minimum for October.

The October "heat" broke on the 6th. From the 8th through the end of the month the maximum temperatures declined from the 60's to the 40's by months end while the minimum temperatures declined from the 50's into the 30's.

As noted in the monthly summary above, the most notable weather event this month was the low maximum temperature of the 30th. Almost every ACON station recorded a maximum temperature below 40 degrees. Many observers, too many to list here but see the Observer Comment Section, observed their lowest October maximum tempera-

ture in their station history. **Stan Rossen** of **Glenmont 1 NNE**, the "Climate Historian" for the region noted that this was the first time that an official first order weather station in the Washington - Baltimore region did not hit 40 degrees in October. **BWI** and **Dulles** both recorded 39 while **Washington National** had 41. All three temperatures were a record for their current site.

PRECIPITATION

Beginning the 9th four major precipitation events occurred this month (9th-10th, 16th, 25th-26th and 29th-30th). Each event brought over 1" to many, but not all, ACON stations. The heaviest daily amounts fell either on the 11th or 16th at many ACON Stations. The heaviest one day rain of 3.13" fell at **Lynn Albright's Fallston 2 NW** station on the 11th. Other daily amounts of over 2 inches were reported by the following ACON observers: **Gary Gallaher** of **Bear 2 SW DE** 2.11" on the 11th, **Bobby Miller** of **Millers 4 NE** 2.36" on the 11th, **Lynn Albright** of **Fallston 2 NW** 2.08" on the 16th, **Rich Giannola** of **JHU/APL** 2.26" on the 16th, and **Bill Hudelson** of **South Bowie** 2.13" on the 16th.

A severe ice storm hit Garrett County in Western Maryland on the 29th and 30th. **Rebecca Harvey** of **Eagle Rock** reported the following: Very bad sleet storm Tuesday PM, and Wednesday. Roads closed due to trees down. Ice was 1.75" thick on phone lines. The ice broke electric and telephone lines and poles. Big trees were uprooted and tops broken out. You can't walk up my driveway because of all of the down trees. Press reports reported that power was out to 12,000 customers and schools were closed for three (3) days.

Sleet was also reported by **Greg Keefer** of **Hagerstown 1 E**, **Jim Vaughn** of **Smithsburg 2 NE**, and **Robert Rickell** of **Hanover 2 S PA**.

Lynn Albright

Lynn is getting better each day and if she feels up to it she would like to attend Herb's Party. Lynn says "Tell the gang hi".

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	92
Ridge	90

MINIMUM TEMPERATURE

Parkton 5 SW	28
Fallston 2 NW	29

WARMEST AVG. TEMP.

Ridge	60.6
Baltimore 2 SE	59.1
Hollywood	59.1

COLDEST AVG. TEMP.

Eagle Rock	49.2
Westminster 5 SSE	51.6
Hanover 2 S PA	51.6

MAXIMUM PRECIPITATION

Fallston 2 NW	8.66
Millersville 1 SE	8.03

MINIMUM PRECIPITATION

Eagle Rock	4.96
Smithsburg 2 NE	5.42

SNOW / SLEET

Smithsburg 2 NE	0.3
Eagle Rock	0.3

WEATHER PARTY

SATURDAY, DEC 7, 2002

Herb Close of **Manchester 1 S Maryland** is holding his annual **Weather Party** from **3 PM to 1 AM** at his home. If you need directions contact **Herb** or **Kevin Shaw**.

NEW MEMBER

Greg Klein of **Westminster 5 SSE** joins us this month. He discovered us via **Rick Giannola's JHU/APL** weather WEB page which posts the ACON reports. He is a neighbor of **Ralph Hartsock**. Welcome **Greg!**

OBSERVER COMMENTS FOR OCTOBER 2002

Gary Gallaher of Bear 2 SW, DE

1st -- Dense fog after sunrise.

3rd -- Hazy, hot, humid. Turned a/c on.

24th -- Damp, raw, cold. Light rain late.

29th -- Cold, raw rain with falling temperatures.

30th -- 39 degree maximum temperature broke the previous record low maximum temperature of 40 set on 10/19/72.

Al Kreinik of Parkton 5 SW

2nd -- Light AM fog.

4th -- Heavy fog 6 to 7 AM

16th -- Constant rain, heavy at times till 3:30 PM.

22nd -- Heavy patches of fog at observation.

30th -- All time low max temp of 37 degrees for October.

Marty Sharrow of Owings Mills

2nd -- AM fog then sunshine and unseasonably warm.

Joe Manfre of Baltimore 2SE

Above normal precipitation. Three days with over 1".

Herb Close of Manchester 1 S

Wettest month since June 2001 when 7.43" fell.

Ralph Hartsock of Westminster 4 SSE

A real drought denting month.

11th -- Soaking all day rain of 1.91".

15th -- First frost of season.

16th -- Another all day soaking rain, 1.49".

Bobby Miller of Millers 4 NE

Wettest October on record (since 1981). Wettest month since September 1999. 15.60" has fallen since August 23 which is 6.90" above normal.

10th - 14th -- An interesting record here - 5 consecutive days with the same maximum temperature, 62 degrees. The max temp on the 8th was 62 while it was 61 degrees on the 9th.

15th -- Heavy frost.

22nd -- First freeze of the season. Also heavy frost.

30th -- Record crushing low maximum temperature of 36 for October (since 1982). Old was 43 set on 10/31/93.

Lynn Albright of Fallston 2 NW

11th -- 3.13" of rain - the greatest daily amount of the year to date.

Rich Giannola of Olney 1 S

10th - 11th -- RA and SHRA during day on 10th, stopping by mid afternoon = 0.61". SHRA began late in afternoon. RA most of the day on the 11th, stopping in late afternoon, 1.15" more. More SHRA late afternoon into early evening = 0.02" more.

29th -- Cold, rainy day.

Rob Cohen of Potomac 4 N

2nd -- Record maximum temperature.

3rd -- Tied all-time October maximum temperature of 84.

5th -- Tied all-time October maximum temperature of 84.

22nd -- Light frost on car tops.

30th -- Record low October maximum temperature of 39. Old was 40 set on October 10, 1979.

Stan Rossen of Glenmont 1 NNE

4th -- Tied October's high minimum temperature of 69 degrees set on 10/04/86.

5th -- AM minimum temperature 70 degrees

30th -- Record low October maximum temperature of 40 degrees. Old record was 46 degrees set on 10/21/77 and tied on 10/10/79, & 10/31/93.

Kevin Shaw of Gaithersburg 2 WNW

30th -- Coldest maximum temp for the month of October of 39 degrees. Old record was 45 set on 10/31/93.

Joe Terry of Forest Glen

Very warm start followed by unabated chill the rest of the month. No more temperatures 70 degrees or above after the 12th. Four (4) maximum temperatures in the 40's. Extremely wet (wettest since September 1999). Four (4) major rain events. Each rain event with >1" total.

30th -- Unusual cold for October—more like December. Only 3 degree temperature range. Continuous rain / drizzle all day.

Bill Hudelson of South Bowie

18th -- Light frost in area at 0800 hours.

Floyd Abell of Hollywood

Wettest October since 1995.

30th -- 45 degrees, the coldest October maximum temperature on record in station history.

John Zyla of Ridge

Wettest October in station history (8 years) 7.27".

5th -- 90 degrees, the first time I hit 90 in October

18th -- Earliest frost on record.

Greg Keefer of Hagerstown 1 E

18th -- Moderate frost and light freeze 31.4 degrees.

23rd -- Dense overnight and morning fog.

30th -- Some sleet and snow mixed with the rain during the late evening.

31st -- Drizzle overnight with some sleet and snow mixed in with the rain, 0.01". Nearby higher elevations did get freezing rain and some snow and ice accumulations.

Jim Vaughn of Smithsburg 2 NE

Third consecutive month with above normal precipitation. This was the wettest October since 6.78" fell in 1996. Monthly snowfall of 0.3" is a October record. Old record was 0.2" set in 1979.

3rd -- Record October maximum temperature of 88 degrees. Old record was 87 which was set on several occasions.

3rd -- Record October high minimum temperature of 65 degrees. Old record was 63 which was set on several occasions.

30th -- Maximum of 35 is the lowest October maximum on record surpassing 41 degrees set on 10/31/93.

Robert Rickell of Hanover 1 S

2nd—3rd -- Warm and humid.

8th -- Scattered light frost.

15th -- Moderate frost.

22nd -- First freeze of season.

29th—31st -- Trace of Ice pellets (sleet) 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
OCTOBER 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	SEA- SON
<i>New Castle, Delaware</i>																									
Canavan, Jim	Wilmington 4 NNE	60.6	47.2	53.9	84	2+	34	30+	0	0	0				7.06	2.84	11	12	2	32.50M	0.0	0.0		0.0	2400
Gallaher, Gary	Bear 2 SW	63.5	46.8	55.2	87	3	30	31	0	0	1	33	NNW	16	6.29	2.11	11	12	2	32.62	0.0	0.0		0.0	2400
Wilmington NWS ASOS	New Castle Co. Apt.	63.3	47.6	55.5	86	3	33	31	0	0	0	32	NNW	16	6.15	1.91	11	16	2	30.81	T	T	29	T	2400
U of D DE Climatologist	Newark Pearson Hall	63.8M	49.7M	56.8M	87	3	36	30	0	0	0	35		16	4.75M	1.78	11	10	1	27.08M					2400
<i>Sussex, Delaware</i>																									
Georgetown NWS ASOS	Sussex Co. Airport	66.8	51.4	59.1	88	3	36	31	0	0	0	32	NE	16	6.70	1.59	11	17	2	36.99					2400
U of D Research & Ed Ct	Georgetown	66.4	50.7	58.6	87	3	39	22	0	0	0				5.93	1.55	11	16	1	33.25					2400
<i>Anne Arundel, Maryland</i>																									
Baltimore NWS ASOS	BWI Airport	63.9	48.1	56.0	86	3	34	31	0	0	0	26	NW	5	6.01	1.65	16	12	2	30.56	0.0	0.0		0.0	2400
Bryant, Dave	St. Margarets	64.5	52.5	58.5	87	3	39	30+	0	0	0				7.36	1.53	15	11	4	33.69	0.0	0.0		0.0	0700-P 1700-T
Hanson, Dan	Millersville 1 SE	65.2	48.1	56.7	88	3+	34	31	0	0	0	23	NW	16	8.03	2.48	16	12	2	35.15	0.0	0.0		0.0	2400
Jug Bay Wetlands	Lothian	66.5	48.2	57.4	92	6	34	18	2	0	0				6.43	1.74	16	20	2	33.88					0900
Stoudt, Jeff	Laurel 2 E	-	-	-	-	-	-	-	-	-	-				6.80	1.72	16	15	2	34.87	0.0	0.0		0.0	2400
<i>Baltimore, Maryland</i>																									
Kreinik, AI	Parkton 5 SW	61.5	44.0	52.8	85	2+	28	31	0	0	2	29		12	6.81	1.99	16	15	2	34.16	0.0	0.0		0.0	2200
Sharrow, Marty	Owings Mills 2 SE	61.1	46.3	53.7	84	2	32	31	0	0	1	24		6+	5.94	1.83	16	12	2	30.14	0.0	0.0		0.0	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	64.7	53.5	59.1	87	2	38	30	0	0	0				6.60	1.73	16	12	3	35.12	0.0	0.0		0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	64.6	52.1	58.4	87	2	38	29+	0	0	0				6.41	1.60	16	13	3	30.73					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	61.0	46.8	53.9	87	2+	32	31	0	0	1	26		16	6.89	1.78	11	17	2	33.10	0.0	0.0		0.0	2300
Hartsock, Ralph	Westminster 4 SSE	61.4	45.7	53.6	84	3	32	22	0	0	1				5.90	1.91	11	15	2	33.00	0.0	0.0		0.0	2200
Klein, Greg	Westminster 5 SSE	58.5	44.7	51.6	81	3	32	31	0	0	1				6.36	1.93	11	13	2	33.01	0.0	0.0		0.0	2200
Miller, Bobby	Millers 4 NE	60.8	46.7	53.8	83	2+	32	22	0	0	1	28	NW	5	7.14	2.36	11	16	2	33.79	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	57.7	40.6	49.2	79	2	30	8+	0	0	12				4.96	1.12	30	19	1	43.25	0.3	0.3	31	0.3	0800
<i>Harford, Maryland</i>																									
Albright, Lynn	Fallston 2 NW	63.6	44.8	54.2	88	3	29	31	0	0	2				8.66	3.13	11	13	2	38.71	0.0	0.0		0.0	2400
<i>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	63.7	48.1	55.9	86	3	36	29+	0	0	0				7.65	2.26	16	14	4	37.77	0.0	0.0		0.0	2400

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OCTOBER 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	SEA-SON
<i>Montgomery, Maryland</i>																									
Cohen, Rob	Potomac 4 N	62.4	49.4	55.9	84	3+	34	31	0	0	0				5.91	1.61	16	11	2	37.79	0.0	0.0	0.0	2100	
Giannola, Rich	Olney 1 S	62.1	48.4	55.3	83	2+	34	31	0	0	0				5.77	1.78	10-11	11	3	32.48	0.0	0.0	0.0	2400	
Rossen, Stan	Glenmont 1 NNE	64.1	47.2	55.7	86	2	34	31	0	0	0	16	SSW	4	5.74	1.57	16	13	1	33.44	0.0	0.0	0.0	2400	
Scafide, Tony	Bethesda	62.7	48.2	55.5	84	3	34	31	0	0	0	14		16	5.81	1.49	16	15	2	31.98	0.0	0.0	0.0	2400	
Shaw, Kevin	Gaithersburg 2 WNW	61.8	45.8	53.8	84	3	32	31	0	0	2				5.93	1.47	16	15	2	34.91	0.0	0.0	0.0	2400	
Terry, Joe	Forest Glen	64.7	47.9	56.3	87	3+	34	31	0	0	0	18	WSW	5	6.23	1.71	16	15	2	32.39	0.0	0.0	0.0	2400	
Wash Gas Light	Rockville 1 NE	63.1	47.4	55.3	84	2+	35	18+	0	0	0				5.33	1.25	16	15	2	31.05	0.0	0.0	0.0	2400	
<i>Prince Georges, Maryland</i>																									
Hudelson, Bill	South Bowie	63.9	49.5	56.7	87	5	36	18+	0	0	0	21	NNW	16	6.78	2.13	16	12	2	30.56	0.0	0.0	0.0	2400	
Smith, Brian	Oxon Hill	65.5	50.9	58.2	89	5	37	18+	0	0	0				5.75	1.56	16	15	1	28.30	0.0	0.0	0.0	2300	
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	66.5	51.7	59.1	89	3+	36	31	0	0	0	27		16	6.56	1.76	16	14	2	29.08	0.0	0.0	0.0	2400	
Van Wie, Michael	Oraville																			21.81M				2400	
Zyla, John	Ridge	67.1	54.1	60.6	90	5	36	31	1	0	0	31	NE	17	7.27	1.20	16	15	4	33.88	0.0	0.0	0.0	2400	
<i>Washington, Maryland</i>																									
Keefer, Greg	Hagerstown 1 E	61.7	44.9	53.3	84	2	31	18	0	0	1	25	SE+	4+	5.52	1.39	16	15	2	32.41	T	T	30+	T	2400
Vaughn, Jim	Smithsburg 2 NE	62.2	44.8	53.5	88	3	32	30+	0	0	3	39	SE+	4+	5.42	1.46	16	13	2	32.16	0.3	0.2	31	0.3	2000
<i>Wicomico, Maryland</i>																									
Salisbury NWS ASOS	Wicomico Co. Apt	66.8	48.6	57.7	88	5	32	31	0	0	1	29	E	16	7.66	2.83	11	16	1	39.38	0.0	0.0	0.0	2400	
<i>York, Pennsylvania</i>																									
Rickell, Robert	Hanover 2 S, PA	59.5	43.7	51.6	83	3	30	31	0	0	3				6.87	1.97	11	14	2	36.95	T	T	29+	T	2100
<i>Arlington, Virginia</i>																									
Wash National NWS	National Airport	65.6	51.7	58.7	90	5	38	3	1	0	0	29	NNE	16	5.00	1.38	16	13	1	25.54	0.0	0.0	0.0	2400	
<i>Loudon, Virginia</i>																									
Wash Dulles NWS ASOS	Dulles Airport	64.0	45.9	55.0	87	5	31	31	0	0	2	25	N+	5+	5.04	1.10		13	1	30.43	0.0	0.0	0.0	2400	
SECTION AVERAGE		63.3	47.9	55.7											6.39									T	

NOTES:

M = MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

+ = FIRST DATE OR OCCURRENCE OF MORE THAN ONE

EST BEGAN ON THE 27TH

GARY GALLAHER 11/27/02

ACON MD / DE / DC
OCTOBER 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	78	84	84	74	81	70	76	62	65	61	62	61	64	56	57	52	50	56	59	56	57	58	57	46	50	61	61	52	45	37	46	60.6	2400	
BEAR 2 SW, DE GALLAHER	80	86	87	80	85	72	78	64	66	64	67	67	66	60	57	56	63	59	62	60	59	61	60	47	53	64	64	53	44	39	46	63.5	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT	78	84	86	80	85	71	77	64	66	64	66	67	65	59	58	56	63	59	62	58	59	60	61	47	53	64	63	53	46	39	49	63.3	2400	
U of D DE Climatologist Newark Pearson Hall	78	86	87	78	85	71	78	63	65	63	64	M	M	58	58	56	62	59	59	M	60	M	M	M	53	65	63	54	45	40	47	63.8	2400	
GEORGETOWN, DE NWS SUSSEX CO APT	81	86	88	84	88	72	80	65	71	67	70	71	68	61	62	65	64	59	66	61	59	64	67	54	59	66	65	54	51	53	50	66.8	2400	
GEORGETOWN, DE U OF D RES & ED CTR	80	85	87	83	87	71	79	64	71	66	70	71	69	63	61	64	63	58	65	61	58	64	66	54	59	65	63	54	50	53	52	66.4	2400	
BALTIMORE NWS BWI APT	81	85	86	81	85	71	76	63	63	65	69	70	66	59	59	57	60	59	63	58	60	62	63	50	54	67	62	52	49	39	48	63.9	2400	
ST MARGARETS BRYANT	81	84	87	84	86	71	76	64	64	65	69	69	67	62	59	57	61	58	62	59	57	60	64	57	54	64	63	56	50	42	46	64.5	1700	
MILLERSVILLE 1SE HANSON	84	87	88	81	88	73	78	66	64	66	70	70	68	62	59	57	61	62	64	59	62	63	65	51	55	68	63	52	48	40	48	65.2	2400	
LOTHIAN JUG BAY	78	85	89	90	84	92	73	62	65	66	67	70	71	62	61	60	60	61	64	65	59	61	65	69	51	57	69	66	52	46	43	66.5	0900	
LAUREL 2 E STOUDT	***PRECIPITATION ONLY STATION***																																	
PARKTON 5SW KREINIK	80	85	85	78	83	70	74	61	61	63	62	63	65	58	56	55	58	58	59	56	59	61	58	47	49	63	63	51	43	37	47	61.5	2200	
OWINGS MILLS 2SE SHARROW	79	84	83	79	83	71	74	59	62	63	64	65	64	57	56	54	57	56	57	55	57	58	58	47	50	62	60	50	46	38	45	61.1	2400	
BALTIMORE 2SE MANFRE	83	87	86	83	86	72	79	65	66	66	69	69	67	60	59	57	61	60	64	62	59	60	63	52	53	67	63	53	48	40	48	64.7	1800	
BALT INNER HARBOR MD SCIENCE CENTER	83	87	86	83	86	72	78	65	64	65	68	69	67	59	59	57	61	60	63	61	59	60	63	50	54	67	64	53	49	41	49	64.6	2400	
MANCHESTER 1SW CLOSE	82	87	87	77	83	68	76	60	61	62	62	62	63	55	55	52	57	59	56	58	58	60	58	45	47	63	62	51	43	35	46	61.0	2300	
WESTMINSTER 4 SSE HARTSOCK	77	82	84	80	79	68	74	64	64	63	62	67	69	54	57	54	62	55	57	57	56	58	58	49	48	64	60	52	46	37	46	61.4	2200	
WESTMINSTER 5 SSE KLEIN	75	80	81	76	77	64	72	58	62	61	61	64	65	51	56	51	55	52	55	54	54	57	55	44	46	61	58	49	43	35	43	58.5	2200	
MILLERS 4NE MILLER	80	83	83	77	80	71	71	62	61	62	62	62	62	56	54	56	57	57	58	56	59	56	50	47	62	61	52	43	36	47	60.8	1800		
BRYANS ROAD 2 ESE BRUMBACK																																		2400
EAGLE ROCK HARVEY	76	79	74	74	74	69	68	60	59	60	56	59	66	62	58	52	50	42	52	56	52	59	60	59	42	54	52	49	48	34	34	57.7	0800	
FALLSTON 2 NW ALBRIGHT	81	86	88	82	84	70	78	63	66	64	64	67	69	57	60	56	62	59	61	60	60	60	60	47	53	66	64	55	46	38	46	63.6	2400	
LAUREL JHU / APL GIANNOLA	84	85	86	84	86	73	76	64	63	65	67	69	66	58	57	56	59	60	61	59	60	63	62	48	52	65	62	52	47	38	47	63.7	2400	

ACON MD / DE / DC
OCTOBER 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	80	83	84	82	84	72	74	62	62	64	68	66	65	59	57	56	57	56	62	57	58	60	59	49	52	63	61	50	48	39	44	62.4	2100	
OLNEY 1 S GIANNOLA	80	83	83	80	83	70	73	61	60	64	65	66	65	57	55	55	56	59	60	58	58	60	61	49	52	>	64	55	47	38	45	62.1	2400	
GLENMONT 1NNE ROSSEN	84	86	84	82	85	74	75	63	61	65	68	69	66	60	57	57	58	62	63	57	61	65	64	49	54	68	65	51	48	40	46	64.1	2400	
BETHESDA SCAFIDE	80	82	84	81	83	70	74	61	62	66	68	67	66	56	58	57	58	57	63	58	58	59	60	50	55	64	61	51	49	41	46	62.7	2400	
GAITHERSBURG 2WNW SHAW	79	82	84	82	83	70	76	60	62	64	63	65	66	57	57	56	58	58	59	56	58	59	61	48	52	63	61	50	44	39	45	61.8	2400	
FOREST GLEN TERRY	84	86	87	82	87	74	77	64	62	65	69	70	67	61	58	58	59	63	63	58	62	64	66	49	54	68	64	51	48	40	46	64.7	2400	
ROCKVILLE 1NE WASH GAS LIGHT	78	84	84	81	83	72	74	62	61	64	67	67	68	58	57	58	59	61	62	58	59	62	62	48	53	66	63	51	48	40	46	63.1	2400	
SOUTH BOWIE HUDELSON	81	85	86	84	87	72	79	63	62	65	70	71	68	58	58	58	60	58	62	58	59	60	62	50	54	65	62	52	48	40	45	63.9	2400	
OXON HILL SMITH	83	87	87	84	89	74	77	68	64	66	70	72	67	59	60	58	60	62	65	60	62	63	64	50	55	68	65	53	49	41	47	65.5	2300	
HOLLYWOOD ABELL	82	87	89	82	89	74	79	64	66	69	70	74	70	62	60	61	63	62	65	62	58	62	68	53	58	69	65	55	50	45	48	66.5	2359	
ORAVILLE VAN WIE																																		2400
RIDGE ZYL	83	88	87	81	90	75	78	65	69	69	70	72	71	63	62	62	63	62	66	63	58	65	68	56	61	68	65	56	49	47	48	67.1	2400	
HAGERSTOWN 1E KEEFER	82	84	83	81	82	71	70	61	64	61	60	63	65	58	57	55	55	60	59	59	58	61	59	47	47	65	62	52	45	37	50	61.7	2400	
SMITHSBURG 2 NE VAUGHN	81	85	88	82	83	69	73	62	64	64	60	64	69	55	56	55	59	59	59	60	60	60	59	48	48	64	62	54	43	35	48	62.2	2000	
SALISBURY NWS WICOMICO CO APT	80	85	87	83	88	73	80	67	72	66	70	73	68	62	63	63	64	58	65	60	56	64	68	54	60	67	64	54	52	57	49	66.8	2400	
HANOVER 2 S, PA RICKELL	48	58	60	61	65	57	57	45	45	62	65	62	61	41	42	50	46	36	36	53	37	36	35	46	49	45	41	47	44	44	32	48.6	EST	
WASH NATIONAL NWS ASOS	79	82	83	77	81	69	71	56	62	62	61	62	63	54	55	51	55	56	56	56	55	58	56	45	46	61	60	50	42	34	45	59.5	2100	
WASH DULLES NWS ASOS	51	58	61	67	55	44	44	37	42	54	57	56	50	38	34	46	43	32	43	46	39	31	37	37	36	44	39	39	33	33	30	43.7	EDT	
WASH NATIONAL NWS ASOS	82	87	88	84	90	73	79	64	65	66	71	72	68	60	60	59	60	61	65	61	61	61	64	52	56	68	65	53	50	41	47	65.6	2400	
WASH DULLES NWS ASOS	62	65	68	72	64	58	56	50	52	61	64	64	55	46	44	52	45	39	49	51	47	43	45	43	43	52	47	49	39	39	38	51.7	EST	
WASH DULLES NWS ASOS	82	85	86	83	87	73	76	63	64	63	64	70	68	58	58	58	58	61	65	58	60	61	63	50	51	68	64	50	49	39	48	64.0	2400	
WASH DULLES NWS ASOS	54	57	59	65	60	50	46	41	46	57	60	60	53	38	34	51	41	32	44	44	38	35	36	42	41	49	40	44	39	37	31	45.9	EST	

**ACON MD / DE / DC
OCTOBER 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			0.12	0.13	0.05					1.00	2.84	T	T			0.85	0.08								0.48	0.47			0.40	0.42	0.22	7.06 0.0	2400 EDT	
BEAR 2 SW, DE GALLAHER					0.03				T	0.86	2.11	T	0.06		T	1.22	0.06		T	T				0.09	0.19	0.54		T	0.64	0.44	0.05	6.29 0.0	2400 EDT	
WILMINGTON, DE NWS NEW CASTLE CO APT	0.01		T		0.03				0.01	1.04	1.91	0.04	0.02		0.03	0.93	0.06		T	T				0.09	0.37	0.54			0.64 T	0.42	0.01	6.15 T	2400 EST	
U of D DE Climatologist Newark Pearson Hall					0.04					0.74	1.78	M	M			0.73	0.06			M			M	M	0.16	0.40			0.51	0.31	0.02	4.75M 0.0	2400 EDT	
GEORGETOWN, DE NWS SUSSEX CO APT		0.01			0.01				0.10	0.90	1.59	0.15	0.06		0.12	1.38	T		T	0.03	0.01				0.25	0.81		0.06	0.80	0.35	0.07	6.70 0.0	2400 EST	
GEORGETOWN, DE U OF D RES & ED CTR									0.01	0.85	1.55	0.07	0.02		0.10	0.94	0.01			0.03	0.01				0.04	0.84		0.17	0.84	0.39	0.06	5.93 0.0	2400 EST	
BWI NWS ASOS				T					0.02	0.83	1.13	T	T		0.13	1.65	0.03							0.01	0.80	0.33		T	0.78	0.29	0.01	6.01 0.0	2400 EST	
ST MARGARETS BRYANT									0.41	1.40	0.38	0.02			1.53	0.95	0.02			0.01					1.09		T		1.08	0.47		7.36 0.0	0700 EDT	
MILLERSVILLE 1SE HANSON									0.03	0.96	1.55				0.09	2.48	0.02								0.64	0.74		0.01	0.99	0.44	0.08	8.03 0.0	2400 EDT	
LOTHIAN JUG BAY	0.01	0.01		T						0.23	0.75	0.38	T	0.02	0.01	1.74	0.62	0.05	0.01	0.01	0.04	0.01	0.01	T		0.79	0.01		0.13	1.11	0.49	6.43 0.0	0900 EDT	
LAUREL 2 E STOUDT									0.01	0.86	1.33	0.01	0.01		0.15	1.72	0.05			T				0.01	0.81	0.34		0.02	0.97	0.49	0.02	6.80 0.0	2400 EST	
PARKTON 5SW KREINIK			T	0.11						0.70	1.55	0.58	0.01		T	1.99	0.07	0.02	0.01					T	0.03	0.55		0.01	0.71	0.43	0.04	6.81 0.0	2200 EDT	
OWINGS MILLS 2SE SHARROW					0.01				T	0.73	1.55	T	T		T	1.83	0.06	0.01	T	T				0.07	0.19	0.46		0.03	0.66	0.34		5.94 0.0	2400 EDT	
BALTIMORE 2SE MANFRE									0.03	1.08	1.54		T		0.06	1.73	0.03		T					0.02	0.61	0.48		0.02	0.68	0.32	T	6.60 0.0	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER									0.03	1.17	1.53				0.08	1.60	0.03							0.03	0.69	0.26		0.03	0.65	0.30	0.01	6.41 -	2400 EST	
MANCHESTER 1SW CLOSE				0.76	0.02				T	0.77	1.78	0.06	0.01		0.03	1.45	0.12			0.01				0.13	0.23	0.32		0.01	0.71	0.45	0.03	6.89 0.0	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK				T	0.03				0.02	0.54	1.91	0.05	0.06		T	1.49	0.12							0.08	0.06	0.52		0.04	0.69	0.25	0.04	5.90 0.0	2200 EDT	
WESTMINSTER 5 SSE KLEIN				0.01	0.02					0.60	1.93	0.08	0.01			1.75	0.12								0.63		0.04	0.73	0.40	0.04	6.36 0.0	2200 EDT		
MILLERS 4NE MILLER				0.69	0.02					0.39	2.36	0.09	0.05	T		1.53	0.04	0.06	0.02					0.03	0.20	0.48		T	0.50	0.49	0.19	7.14 0.0	1800 EDT	
BRYANS ROAD 2 ESE BRUMBACK																																		2400 EDT
EAGLE ROCK HARVEY			0.01		0.17	0.01	0.01			0.03	0.80	0.40	0.05			0.75	0.42 T	0.10		0.25	0.03				0.01	0.60	0.05	0.05		1.12	0.10	4.96 0.3	800 0.3	EDT
FALLSTON 2 NW ALBRIGHT				0.03					T	0.99	3.13	0.22	T		T	2.08	0.07	T	T					0.16	0.38	0.33		0.02	0.74	0.45	0.06	8.66 0.0	2400 EDT	
LAUREL JHU / APL GIANNOLA									0.02	1.10	1.40	0.02			0.11	2.26	0.06							0.03	0.57	0.45		0.02	1.02	0.55	0.04	7.65 0.0	2400 EDT	

**ACON MD / DE / DC
OCTOBER 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									T	0.60	1.17	0.01	0.04		T	1.61	0.22		T					T	0.09	0.75		0.04	0.90	0.48		5.91 0.0	2100 EDT		
OLNEY 1 S GIANNOLA					0.01				0.01	>	1.78	0.05	0.01		>	1.66	0.12		T					0.02	>	0.79		0.03	>	>	1.29	5.77 0.0	2400 EDT		
GLENMONT 1NNE ROSSEN				T					0.01	0.80	0.86	0.02	T		0.15	1.57	0.10		T	T				T	0.70	0.20		0.02	0.89	0.41	0.01	5.74 0.0	2400 EST		
BETHESDA SCAFIDE										0.67	1.06	0.03	0.02		0.12	1.49	0.14			0.01				0.01	0.46	0.38		0.01	0.93	0.45	0.03	5.81 0.0	2400 EDT		
GAITHERSBURG 2WNW SHAW			T							0.65	1.29	0.02	0.02		0.15	1.47	0.20		0.02	T				0.04	0.40	0.34		0.04	0.89	0.39	0.01	5.93 0.0	2400 EDT		
FOREST GLEN TERRY					T				T	0.73	1.07	0.02	0.02		0.11	1.71	0.10			0.01				0.01	0.51	0.53		0.01	0.94	0.44	0.02	6.23 0.0	2400 EDT		
ROCKVILLE 1NE WASH GAS LIGHT					T				0.02	0.73	1.04	0.02	0.01		0.10	1.25	0.12		T	T				0.02	0.51	0.21		0.02	0.90	0.36	0.02	5.33 0.0	2400 EDT		
SOUTH BOWIE HUDELSON									0.01	0.66	1.05	T			0.10	2.13	0.03								0.61	0.46		0.12	0.87	0.70	0.04	6.78 0.0	2400 EDT		
OXON HILL SMITH									T	0.34	0.97	0.01	0.06		0.10	1.56	0.02			0.01	0.01			T	0.47	0.53		0.11	0.83	0.61	0.12	5.75 0.0	2300 EDT		
HOLLYWOOD ABELL										1.39	0.59	0.15	T		0.10	1.76	0.04			0.03	0.05				0.17	0.49		0.25	0.71	0.80	0.03	6.56 0.0	2359 EDT		
ORAVILLE VAN WIE																																			2400 EDT
RIDGE ZYLA										0.81	1.03	1.09	0.02		0.13	1.20	0.03			0.05	0.02				0.01	1.06		0.25	0.74	0.61	0.22	7.27 0.0	2400 EDT		
HAGERSTOWN 1E KEEFER				T						0.47	1.37	0.04	0.01		0.08	1.39	0.03		0.01				T	0.09	0.49	0.29		0.02	0.90	0.32	0.01	5.52 T	2400 EDT		
SMITHSBURG 2 NE VAUGHN					T					0.52	1.29	0.01			0.05	1.46	0.09		0.02					0.10	0.35	0.42		T	0.77	0.29	0.05	5.42 T	2000 EDT		
SALISBURY NWS WICOMICO CO APT									0.02	0.67	2.83	0.21	T		0.09	0.87	0.05		0.01	0.03	0.06				0.35	0.91		0.21	0.79	0.40	0.16	7.66 0.0	2400 EST		
HANOVER 2 S, PA RICKELL				0.05	0.06					0.74	1.97	0.05	0.04			1.34	0.20		T	T				0.10	0.78	0.30			0.81	0.35	0.08	6.87 T	2100 EDT		
WASH NATIONAL NWS ASOS									T	0.58	0.78	0.01	0.01		0.09	1.38	0.01		T	T					0.60	0.32		0.07	0.79	0.35	0.01	5.00 0.0	2400 EST		
WASH DULLES NWS ASOS				T					T	0.47	0.91	T	0.01		0.21	1.10	0.22			T				0.01	0.78	0.12		0.06	0.82	0.31	0.02	5.04 0.0	2400 EST		