



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

## COOL WITH NUMEROUS DAYS OF RAIN

May will be remembered by its unusual number of days with precipitation and the lack of sunshine. Measurable rains fell on 20 days at Washington (DCA) tying July 1904 for the most days with measurable precipitation since records began in 1871. There were very few warm days. Extreme maximum temperatures were lower than they were in April. Most of the month we were on the "cold" side of slow moving storms. These storms pulled maritime air off of the Atlantic which held temperatures down. This maritime air helped to stabilize the atmosphere and held down the number of thunderstorms and precipitation east of the Chesapeake Bay. Dense fog on Savage Mountain on Friday the 23rd contributed to an eighty five vehicle chain reaction accident on I-68 near Frostburg in Western Maryland.

May began on a warm note. Temperatures rose to the upper 70's to lower 80's at many locations on the 1st and again on the 2nd. This was not a sign of things to come. From the 3rd through the 6th maximum temperatures were in the 50's and 60's. The morning of the 5th saw temperatures fall generally into the lower 40's west of the Chesapeake Bay and into the 30s east of the Bay. The coldest temperatures were in Southern Delaware and on Maryland's Eastern Shore. U of D's stations at Georgetown and Harbeson both recorded 33 degrees. Salisbury FAA airport reported the only freezing temperatures for the month, 32 on the 4th and 28 on the 5th.

Severe thunderstorms hit St. Marys County on the evening on the 7th. Two F0 tornadoes were confirmed by the NWS, one near Mechanicsville and another near Oakville. Floyd Abell of Hollywood reported hail and 3.24" of rain of which 3.15" fell in one hour.

Rain fell on most days from the 5th

to the 12th. Amounts were generally light with the 3.24" that fell at Hollywood on the 7th being the only daily amount over 1". Thunder was reported from the 7th to the 11th at many locations west of the Chesapeake Bay.

Briefly the temperatures returned to the mid 70's to lower 80's on the 7th and again on the 11th. This was the warmest of the month at many locations. Ralph Hartsock of Westminster 4 SSE and Jim Vaughn of Smithsburg 2 NE each recorded an 85 on the 7th while Nate Mullins of LaVale recorded 85 on the 11th.

The heaviest rains of the month fell on the 16th. Amounts of upwards of 3 inches were reported. Marty Sharrow of Owings Mills reported 3.04" while other heavy amounts were reported by the following ACON observers: U of D Research Farm at Georgetown DE 2.94", Brian Smith of Oxon Hill 2.83", Jim Vaughn of Smithsburg 2 NE 2.42", Jeff Stoudt of Laurel 2 E 2.22", Joe Manfre of Baltimore 2 SE 2.18", Herb Close of Manchester 1 S 2.17", Dan Hanson of Millersville 1 SE 2.16", and Joe Terry of Forest Glen 2.02".

Clouds with spotty drizzle and light rain prevented the maximum temperature to rise above the upper 40's to mid 50's on the 17th. The following ACON stations reported record low maximum temperatures for May: Herb Close of Manchester 1 S 48, Bobby Miller of Millers 4 NNE 49, Jim Vaughn of Smithsburg 2 NE 51 (tied previous low).

Clear skies finally returned on the 19th. Minimum temperatures fell to the upper 30's and lower 40's. Scattered light frost was reported in Carroll County by Greg Klein of Westminster 5 SSE and Bobby Miller of Millers 4 NNE an in York County PA by Rob Rickell of Hanover 2 S PA. Clouds quickly returned and by the 21st rain was again falling. Rains fell from

### EXTREMES REPORTED BY ACON OBSERVERS

#### MAXIMUM TEMPERATURE

Jug Bay Wetlands	86
LaVale	85
Westminster 4 SSE	85
Smithsburg 2 NE	85

#### MINIMUM TEMPERATURE

UofD Georgetown DE	33
UofD Harbeson DE	33
Eagle Rock	36

#### WARMEST AVG. TEMP.

Ridge	62.0
Montgomery Village	61.7

#### COLDEST AVG. TEMP.

Eagle Rock	53.5
Frostburg	54.4

#### MAXIMUM PRECIPITATION

Smithsburg 2 NE	10.27
Hollywood	9.29
South Bowie	8.50

#### MINIMUM PRECIPITATION

U of D Harbeson DE	4.17
Wilmington 4 NNE DE	4.21
Bear 2 SW DE	4.50

the 21st though the 29th and again on the 31st. The heaviest fell on the 26th. Jug Bay Wetlands reported the heaviest with 2.04" while John Zyla of Ridge and Jim Canavan of Wilmington 4 NNE DE each reported 1.82". Bill Hudelson of South Bowie reported 1.83" on the 31st.

PLEASE FORWARD DATA BY THE 15TH OF THE FOLLOWING MONTH. LATE DATA SLOWS THE REPORT DOWN FOR EVERYONE. THE MORE COMPLETE THE REPORT, THE BETTER THE REPORT.

# OBSERVER COMMENTS FOR MAY 2003

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

Extremely cloudy month with only one (1) clear day. Many days of light rains made it seem much wetter than the slightly above normal total. 21 days with T or rain or more and 16 days with 0.01" or more both new May records.

**31st** - Record low May barometric pres of 29.32" (since 1991)

## **Greg Latta of Frostburg**

Thunder on the 1st, 8th-11th, & 28th.

## **Nate Mullins of LaVale**

8.16" or rain makes this month the third wettest month. It was also the most precipitation to fall in a month without at least one day with 1.00" or more. 24 days with measurable precip is a record for any month. (records 1992 to 2003)

**9th** - Thunderstorms with heavy downpours and frequent lightning 9-11 AM.

**23rd** - Low clouds and fog all day. The fog was extremely dense on nearby mountain ridges and caused a massive 85 vehicle pile-up on I-68 at Big Savage Mountain which killed 2.

## **Dave Bryant of St Margarets**

Temperatures the 15th to 29th averaged 10.4 degrees below normal. Bay temperature 60 degrees the third week of May.

## **Jeff Stoudt of Laurel 2 E**

Thunder on the 7th, 8th, 15th, & 31st.

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

**7th** - Late afternoon thunder.

**16th** - Daylong rain heavy at times.

**31st** - Evening thunderstorm.

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

Thunder on the 7th, 9th, 10th, 23rd-26th, & 28th.

## **Marty Sharrow of Owings Mills**

**30th** - Brilliant sunshine, breezy and warmer.

## **Herb Close of Manchester 1 SW**

Tied 1996 for the third coolest May. Set new record for lowest average maximum temperature with 65.9. Old record was 66.9 set in 1996. 26 days with precipitation a new record for any month. Old record was 21 days set in May 1989. 22 days with measurable precipitation a new record for any month. Old record was 21 days set in 5/89 & 6/98.

**17th** - 48 degrees record low maximum temp for May. Old record was 49 set in 1996 and tied in 1992, 1994, & 1995.

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

**1st** - Sun, warm, & humid. Overnight showers.

**20th** - Some light frost.

## **Greg Klein of Westminster 5 SSE**

Eighth month in a row with below normal temperatures.

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

Thunder on the 1st, 7th-11th, 28th and the 31st.

**17th** - 49 degrees record low maximum temp for May.

**19th** - Some valley frost in the AM.

## **Manuel Farfan of Frederick 4 N**

Thunder on the 7th, 8th, 9th, 10th, 15th, 24th, & 31st.

**7th** - Dense fog this morning.

**31st** - Hail (1/4" - 1/2") reported in different locations within a 1 to 3 mile radius from my townhouse.

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

**6th** - Am fog and drizzle. Fog lifting late AM but overcast.

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

First May without an 80 degree temperature. 19 days with measurable precipitation a new monthly record. 2nd coldest

May, coldest May avg. maximum temperature.

**19th** - 40 degrees tied minimum temperature for date.

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

Wettest May since 9.41" fell in 1989. Second wettest May in 17 years of records. May average maximum was the lowest in 17 years of records. From the 21st to 29th the temperature range was only 15 degrees (66 to 51).

## **Stan Rossen of Glenmont 1 NNE**

**17th** - 51 degrees - ties 5/19/81 & 5/4/87 for second coldest maximum temperature. Record is 50 set 5/4/94.

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

A cool, wet month, lots of rainy days, nothing spectacular on any one day. No daily Precip or max/min temp records were set.

## **Joe Terry of Forest Glen**

Extremely wet and cloudy. Two long stretches with measurable rain - 7 days and 9 days. Only one 80 degree day after the 11th.

**17th** - Very cool. Afternoon max temperature only 50.

**25th** - Brief but violent rain shower around 0115. 0.34" in 5 minutes. Raindrops so large and rain so heavy that it crushed an 8" pepper plant.

## **Bill Hudelson of South Bowie**

**7th** - Dense fog morning and evening.

**8th** - Dense fog this evening.

**31st** - Thunderstorms (1830-2200) with heavy rain (1.83"), moderate lightning and thunder, rainbow at 2000.

## **Brian Smith of Oxon Hill**

**30th** - With all the rain we have had, there was measurable dew this morning.

## **Floyd Abell of Hollywood**

Second wettest May from station records.

**7th** - Strong late day / evening thunderstorm, 3.15" of rain in one hour, tornado warning, hail.

**8th** - Hail

## **John Zyla of Ridge**

Records set this month: Wettest May (7.10"), most days with precipitation (21), Lowest average high (68.8), low (55.1), and average (61.9) temperature, Lowest May maximum temperature (83), five thunderstorm days (7th—11th) in a row (High in station history)

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

Wettest May on record (8.21") Old record was 8.09" set in 1989. (Records date back to 1898)

**7th** - Very dense fog overnight and this morning.

**9th** - Dense fog again overnight and this morning. Thunderstorm with heavy downpours and sharp lightning.

**12th** - Strong W winds overnight, some minor wind damage reported.

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

Wettest May (10.27"). Old record was 8.17 set in 1989. 25 days with a trace or more precipitation a new record. Old record was 24 days set in June 1998.

**16th** - 2.42" of rain set a new daily record.

**17th** - 51 degrees maximum tied 5/3/94 for the lowest maximum temperature for May.

## **Rob Rickell of Hanover 2 S PA**

Thunder on the 5th, 7th-11th, 24th, 25th, 28th, & 31st.

**19th** - Light frost

**ACON MD / DE / DC  
MAY 2003 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 DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL		MAX DAY	DATE
<u>New Castle, Delaware</u>																								
Canavan, Jim	Wilmington 4 NNE	66.5	49.4	58.0	81	1+	37	5	0	0	0			4.21	1.82	26	15.73	16	1	0.0	0.0	51.2	2400	
Gallaher, Gary	Bear 2 SW	66.8	50.1	58.5	82	11	37	5	0	0	0	42	W	12	4.50	1.41	26	20.98	16	1	0.0	0.0	57.3	2400
NWS Wilmington	New Castle Co. Apt.	65.9	50.3	58.1	79	30	39	19	0	0	0	41	WSW	12	3.93	1.48	26	18.34	17	1	0.0	0.0	46.0	2400
U of D DE Climatologist	Newark Pearson Hall	66.1	52.0	59.1	81	11	42	5	0	0	0	35		12	2.46	0.64	26	14.49	19	0				2400
<u>Sussex, Delaware</u>																								
NWS Georgetown	Sussex Co. Airport	67.1	50.5	58.8	83	11	34	5	0	0	0	36	W	13	5.09	1.60	16	18.51	18	1				2400
U of D Research & Ed Ctr	Georgetown	67.6	50.8	59.2	83	11	33	5	0	0	0				5.87	2.94	16	18.81	20	1			26.3	2400
U of D Warrington Farm	Harbeson	66.6	49.5	58.1	83	11	33	5	0	0	0				4.17	1.31	16	17.44	16	1			2.4	2400
<u>Allegany, Maryland</u>																								
Latta, Greg	Frostburg	62.7	46.1	54.4	81	2+	38	14	0	0	0			7.62	0.91	26	21.85	22	0	0.0	0.0	92.0	0700	
Mullins, Nate	LaVale	65.7	49.8	57.8	85	11	40	6+	0	0	0			8.16	0.98	31	22.30	24	0	0.0	0.0	66.3	2400	
<u>Anne Arundel, Maryland</u>																								
Bryant, Dave	St. Margarets	66.3	53.3	59.8	78	30	44	19	0	0	0			7.12	1.57	26	23.64	19	2	0.0	0.0	47.7	2100-P 2400-T	
Hanson, Dan	Millersville 1 SE	67.8	50.6	59.2	83	2	38	19	0	0	0	29	NNW	13	8.29	2.16	16	26.54	22	3	0.0	0.0	52.8	2400
Jug Bay Wetlands	Lothian	68.8	52.1	60.5	86	3	38	5	0	0	0			6.42	2.04	26	22.73	22	1	0.0	0.0	28.2	0900	
NWS Baltimore	BWI Airport	67.1	51.5	59.3	83	11	39	19	0	0	0	33	SSW	11	6.81	1.96	16	22.67	20	3	0.0	0.0	58.2	2400
Stoudt, Jeff	Laurel 2 E	-	-	-	-	-	-	-	-	-	-			7.31	2.22	16	25.42	20	2	0.0	0.0	53.1	2400	
<u>Baltimore, Maryland</u>																								
Kreinik, Al	Parkton 5 SW	68.5	50.4	59.5	81	2	36	19	0	0	0	31	NW	12	6.42	1.57	16	22.65	19	1	0.0	0.0	63.1	2200
Sharrow, Marty	Owings Mills 2 SE	66.6	49.7	58.2	84	11	38	19	0	0	0	31		13+	7.81	3.05	16	22.30	20	2	0.0	0.0	63.0	2400
<u>Baltimore City, Maryland</u>																								
Manfre, Joe	Baltimore 2 SE	67.8	55.4	61.6	82	2+	47	5	0	0	0			6.78	2.18	16	25.22	16	2	0.0	0.0	56.3	1800	
Maryland Science Ctr	Baltimore Inner Harbor	67.9	54.8	61.4	82	11	47	19	0	0	0			6.20	2.07		23.55	17	2				2400	
<u>Carroll, Maryland</u>																								
Close Jr, Herb	Manchester 1 SW	65.9	50.8	58.4	80	7+	41	5	0	0	0	39		16	7.46	2.17	16	21.51	22	1	0.0	0.0	70.0	2300
Hartsock, Ralph	Westminster 4 SSE	68.9	50.4	59.7	85	7	37	19	0	0	0				6.62	1.77	16	20.91	21	1	0.0	0.0	63.1	2100
Klein, Greg	Westminster 5 SSE	65.6	49.1	57.4	80	7	39	19	0	0	0				6.37	1.70	16	20.22	20	2	0.0	0.0	68.0	2200
Miller, Bobby	Millers 4 NE	68.2	50.4	59.3	80	7	37	19	0	0	0	39	W	12	6.25	1.61	16	20.81	19	1	0.0	0.0	67.4	1800
<u>Frederick, Maryland</u>																								
Farfan, Manuel	Frederick 4 N	68.9	52.3	60.6	83	2+	39	19	0	0	0			8.02	1.86	16	23.37	23	2	0.0	0.0	57.4	2400	
<u>Garrett, Maryland</u>																								
Harvey, Rebecca	Eagle Rock	62.0	45.0	53.5	78	2	36	3	0	0	0			7.41	3.04	10	27.07	20	1	0.0	0.0	190.9	0800	
<u>Harford, Maryland</u>																								
Albright, Lynn	Fallston 2 NW	69.1	48.9	59.0	83	30	37	5+	0	0	0			6.77	1.72	16	23.32	21	2	0.0	0.0	54.8	2400	
<u>Howard, Maryland</u>																								
Giannola, Rich	Laurel JHU / APL	67.4	51.9	59.7	84	11	41	19	0	0	0	32	NNW	2	6.56	1.98	16	25.91	20	1	0.0	0.0	58.7	2400

**ACON MD /DE / DC  
MAY 2003 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 DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"		TOTAL	MAX DAY	DATE
<i>Montgomery, Maryland</i>																								
Cohen, Rob	Potomac 4 N	66.9	52.9	59.9	79	2	40	19+	0	0	0				7.11	1.25	21	23.81	19	3	0.0	0.0	52.0	2100
Giannola, Rich	Olney 1 S	65.7	52.6	59.2	80	1	41	19	0	0	0				6.99	1.60	25-26	23.85	19	3	0.0	0.0	58.9	2400
Roth, David	Montgomery Village 1SW	68.8	54.5	61.7	84	11	41	19	0	0	0	16	13		6.37	1.18	16	22.98	21	1	0.0	0.0	52.5	2400
Rossen, Stan	Glenmont 1 NNE	68.2	52.2	60.2	84	11	40	19	0	0	0	21	13		6.69	1.82	16	24.32	20	1	0.0	0.0	58.0	2400
Scafide, Tony	Bethesda	67.8	52.1	60.0	83	11	41	19	0	0	0	20	13	M	M		<u>14.97</u>	0	0					2400
Shaw, Kevin	Gaithersburg 2 WNW	68.4	51.5	60.0	83	11	38	19	0	0	0				6.02	0.88	26	22.41	20	0	0.0	0.0	59.0	2400
Terry, Joe	Forest Glen	69.1	52.5	60.8	84	11	41	19	0	0	0	27	WSW	13	7.26	2.02	16	25.84	22	2	0.0	0.0	50.9	2400
Wash Gas Light	Rockville 1 NE	67.6	52.0	59.8	85	11	41	20	0	0	0				7.13	1.61	25	<u>20.89</u>	21	3	0.0	0.0	57.8	2400
<i>Prince Georges, Maryland</i>																								
Hudelson, Bill	South Bowie	68.1	53.1	60.6	83	2+	40	5+	0	0	0	30	NW	13	8.50	1.83	31	27.74	22	3	0.0	0.0	41.0	2400
Smith, Brian	Oxon Hill	70.0	53.1	61.6	84	7+	42	5	0	0	0				8.47	2.83	16	25.81	21	2	0.0	0.0	42.5	2000
<i>St. Marys, Maryland</i>																								
Abell, Floyd	Hollywood	68.7	54.0	61.4	84	11	38	5	0	0	0	45		7	9.29	3.24	7	25.00	21	2	0.0	0.0	32.9	2400
Van Wie, Michael	Oraville																						<u>4.1</u>	2400
Zyla, John	Ridge	68.8	55.1	62.0	83	11	43	5	0	0	0	28	E	3	7.10	1.82	26	21.96	19	2	0.0	0.0	28.8	2400
<i>Washington, Maryland</i>																								
Keefer, Greg	Hagerstown 1 E	67.5	51.1	59.3	83	11	38	19	0	0	0	48	W	12	8.21	1.99	16	22.79	21	1	0.0	0.0	59.3	2400
Vaughn, Jim	Smithsburg 2 NE	68.8	51.1	60.0	85	7	39	19	0	0	0	57	E	16	10.27	2.42	16	26.31	22	1	0.0	0.0	68.4	2000
<i>Wicomico, Maryland</i>																								
NWS Salisbury	Wicomico Co. Apt	68.1	47.7	57.9	84	11	28	5	0	0	2	40	WNW	13	4.74	1.84	16	21.19	20	1	0.0	0.0	19.1	2400
<i>York, Pennsylvania</i>																								
Rickell, Robert	Hanover 2 S, PA	66.1	49.1	57.6	80	1	35	19	0	0	0				7.49	1.40	16	<u>20.80</u>	24	1	0.0	0.0	<u>67.6</u>	2100
<i>Arlington, Virginia</i>																								
NWS Washington Nationz	National Airport	68.3	55.1	61.7	82	11	45	19	0	0	0	40	WNW	13	7.06	1.59	16	21.67	20	2	0.0	0.0	40.4	2400
<i>Loudon, Virginia</i>																								
NWS Washington Dulles	Dulles Airport	67.8	51.7	59.8	82	11	41	5+	0	0	0	36	NW	7	8.74	2.40	15	22.98	22	2	0.0	0.0	50.1	2400
SECTION AVERAGE		67.4	51.3	59.4											6.79								0.0	

**NOTES:**

M OR UNDERLINE= MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

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 and can not be used in legal actions. Any use of the data must be authorized by the observer.

GARY GALLAHER 06/25/03

**ACON MD / DE / DC**  
**MAY 2003 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	81	81	66	65	55	60	81	67	57	69	80	76	61	69	69	53	59	58	74	77	56	58	54	63	57	57	66	67	74	80	72	66.5	2400	
CANAVAN	50	58	51	45	37	44	50	57	52	49	58	56	47	47	44	40	47	44	39	43	53	52	51	52	54	52	45	54	56	44	56	49.4	EDT	
BEAR 2 SW, DE	80	78	65	64	54	61	79	72	59	72	82	73	61	68	70	58	53	58	74	76	60	58	56	64	59	61	67	65	73	79	72	66.8	2400	
GALLAHER	54	58	48	44	37	48	51	59	54	52	59	56	52	46	44	48	46	43	39	39	55	54	53	54	55	49	45	54	49	51	57	50.1	EDT	
WILMINGTON, DE	78	76	63	64	55	60	76	70	58	69	77	71	61	68	68	58	54	57	74	74	60	59	56	64	60	60	65	66	72	79	72	65.9	2400	
NWS NEW CASTLE CO APT	54	59	50	46	40	47	52	56	54	49	60	54	51	45	46	47	45	43	39	43	55	53	52	53	55	49	45	54	51	54	58	50.3	EST	
U of D DE Climatologist	79	77	66	64	54	61	78	73	59	70	81	72	60	67	67	58	54	46	73	74	61	59	56	63	59	61	72	65	72	80	71	66.1	2400	
Newark Pearson Hall	53	59	51	48	42	47	52	57	53	53	60	55	51	49	50	50	46	45	47	46	55	54	53	54	55	53	56	53	56	59	52.0	EDT		
GEORGETOWN, DE	82	76	63	61	56	64	81	73	64	72	83	73	65	69	70	59	50	53	66	74	70	57	55	65	62	62	66	63	70	79	76	67.1	2400	
NWS SUSSEX CO APT	52	60	43	39	34	50	49	52	52	55	63	59	55	45	47	49	48	46	42	41	52	54	52	53	53	54	49	50	51	56	60	50.5	EST	
GEORGETOWN, DE	81	76	65	61	56	66	80	73	64	72	83	74	66	70	71	60	51	54	67	74	71	57	56	65	64	63	67	64	72	78	75	67.6	2400	
UofD RESEARCH & ED CTR	52	60	43	39	33	50	49	53	53	55	63	58	55	46	48	50	48	46	43	40	53	55	52	53	53	56	49	50	53	56	61	50.8	EST	
HARBESON, DE	82	76	64	60	56	63	79	71	62	73	83	75	65	69	66	58	50	52	65	72	70	57	55	64	60	61	64	66	72	80	76	66.6	2400	
UofD WARRINGTON FARM	50	59	41	38	33	49	47	52	52	53	61	58	54	44	46	49	47	45	41	38	51	53	51	52	52	55	48	50	51	54	60	49.5	EST	
FROSTBURG	72	81	75	68	56	44	74	75	70	58	71	81	51	56	67	53	51	45	47	68	74	50	49	51	67	68	62	61	67	71	62.7	0700		
LATTA	43	51	44	44	42	40	44	56	52	55	55	51	43	38	43	47	44	43	43	43	46	44	44	49	42	46	47	46	46	49	50	46.1	EST	
LAVALE	80	77	68	61	57	67	78	71	62	70	85	57	59	76	58	53	50	54	80	76	57	51	55	70	72	65	63	68	60	77	60	65.7	2400	
MULLINS	48	56	46	46	42	40	56	56	60	60	47	45	40	45	50	47	46	42	46	52	46	52	52	52	52	60	49	50	48	54	55	49.8	EDT	
ST MARGARETS	72	77	65	64	55	59	73	72	61	71	77	72	67	74	74	59	53	54	70	75	61	59	57	63	64	65	62	64	65	78	74	66.3	2400	
BRYANT	56	59	52	50	46	50	51	58	57	57	62	54	54	49	52	51	48	48	44	47	56	54	53	55	57	56	54	56	53	55	58	53.3	EDT	
MILLERSVILLE 1SE	81	83	64	66	55	60	79	79	61	73	82	72	63	74	74	58	52	54	72	74	60	60	56	63	64	70	61	69	69	81	73	67.8	2400	
HANSON	54	58	48	45	39	48	49	59	57	62	55	52	42	47	49	46	44	38	39	54	52	52	54	55	54	51	51	49	50	58	50.6	EDT		
LOTHIAN	75	80	86	65	65	56	63	80	73	64	M	84	73	70	77	76	58	52	54	70	76	65	60	59	67	66	70	61	67	70	82	68.8	0900	
JUG BAY	55	60	53	48	38	48	53	62	60	57	M	54	55	43	48	57	48	48	40	39	52	54	53	54	57	57	51	52	50	57	59	52.1	EDT	
BALTIMORE	80	81	63	63	55	60	78	77	61	72	83	71	61	72	72	59	52	55	70	74	61	60	56	63	64	69	61	67	69	79	73	67.1	2400	
NWS BWI APT	57	59	49	45	40	49	52	59	58	58	63	54	49	43	49	50	48	44	39	40	55	54	53	55	56	55	53	51	50	51	58	51.5	EST	
LAUREL 2 E																																		
STOUDT																																		
PARKTON 5SW	79	81	67	68	67	60	80	74	65	74	77	78	60	70	71	61	51	59	72	75	65	62	57	60	65	68	65	68	72	80	72	68.5	2200	
KREINK	51	55	49	47	39	43	54	59	56	56	61	56	48	40	45	51	47	47	36	40	55	53	51	53	56	54	54	53	46	50	56	50.4	EDT	
OWINGS MILLS 2SE	80	80	67	64	52	60	82	74	60	70	84	70	60	69	72	57	50	54	73	78	61	59	57	61	60	65	60	64	72	78	71	66.6	2400	
SHARROW	51	58	48	48	40	44	51	59	56	55	53	54	49	42	47	47	43	45	38	42	52	50	50	52	54	53	52	48	52	56	49.7	EDT		
BALTIMORE 2SE	80	82	65	64	56	61	78	77	62	75	82	72	63	72	71	60	52	55	71	73	60	61	57	64	63	68	62	69	71	80	75	67.8	1800	
MANFRE	59	63	54	49	47	50	55	64	57	58	64	64	54	51	54	54	48	49	48	52	56	57	54	54	58	56	58	55	55	58	63	55.4	EDT	
BALT INNER HARBOR	81	81	64	64	56	61	77	76	61	74	82	73	63	72	71	60	53	57	71	73	63	62	57	64	63	69	62	69	71	81	74	67.9	2400	
MD SCIENCE CENTER	59	60	54	53	49	50	55	59	57	59	65	56	54	51	54	50	48	49	47	51	56	56	54	55	58	56	57	55	55	58	60	54.8	EST	
MANCHESTER 1SW	78	78	65	62	50	60	80	75	60	72	80	71	57	70	65	56	48	57	71	74	58	59	53	62	66	69	62	65	72	79	70	65.9	2300	
CLOSE	54	56	47	46	41	42	54	58	57	55	62	50	47	45	51	47	44	45	45	49	53	51	50	53	55	53	52	51	52	53	57	50.8	EDT	
WESTMINSTER 4 SSE	79	82	68	68	54	68	85	78	61	77	83	66	64	71	67	54	50	61	69	74	62	66	55	66	72	70	70	68	72	78	77	68.9	2100	
HARTSOCK	54	57	48	48	43	44	52	58	58	56	60	53	48	43	49	48	45	46	37	39	53	51	50	51	55	54	52	54	48	51	56	50.4	EDT	
WESTMINSTER 5 SSE	75	77	64	64	52	64	80	71	60	73	77	68	58	66	69	53	49	57	65	72	59	64	55	M	M	66	65	64	70	75	70	65.6	2200	
KLEIN	52	56	46	46	41	43	51	57	56	55	59	50	46	44	47	46	43	44	39	43	51	50	49	M	M	51	51	50	50	53	56	49.1	EDT	
MILLERS 4NE	78	78	76	66	62	60	80	73	72	72	79	78	57	69	67	61	49	56	72	74	69	61	58	61	66	66	65	64	72	77	75	68.2	1800	
MILLER	53	58	47	48	44	42	54	58	57	56	60	53	48	42	49	49	45	46	37	41	54	51	51	53	55	54	50	51	49	52	56	50.4	EDT	
FREDERICK 4 N	82	83	68	65	51	66	82	76	64	75	83	72	64	75	70	56	51	56	72	76	65	62	57	67	69	69	65	69	73	81	73	68.9	2400	
FARFAN	59	57	51	46	43	48	53	60	59	59	62	54	53	43	49	50	48	45	39	43	56	52	54	56	55	57	53	54	51	54	59	52.3	EDT	
EAGLE ROCK	76	78	70	64	50	44	70	72	70	68	66	78	50	54	66	52	54	46	50	69	76	49	50	52	66	70	60	61	59	64	69	62.0	0800	
HARVEY	41	53	36	42	40	38	44	62	50	54	53	48	40	39	42	50	42	38	42	42	44	42	42	48	40	50	44	44	46	48	50	45.0	EDT	

**ACON MD / DE / DC**  
**MAY 2003 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	
FALLSTON 2 NW	78	82	69	69	57	68	82	78	61	77	77	74	62	73	71	58	52	62	73	77	61	64	57	65	62	64	65	69	78	83	75	69.1	2400	
ALBRIGHT	50	50	46	39	37	46	49	58	56	57	60	50	47	42	45	47	46	41	37	39	53	53	52	54	56	53	49	50	47	53	55	48.9	EDT	
LAUREL JHU / APL	80	81	68	66	53	61	81	77	63	73	84	71	61	71	71	58	50	55	70	77	62	60	55	63	62	69	62	66	70	78	72	67.4	2400	
GIANNOLA	55	60	50	46	43	48	52	60	57	57	63	53	52	49	51	49	46	46	41	43	53	52	52	54	56	55	54	52	51	55	55	51.9	EDT	
POTOMAC 4N	78	79	72	63	53	62	78	71	70	68	78	72	64	72	72	59	52	54	68	74	64	59	57	64	64	66	60	64	67	78	72	66.9	2100	
COHEN	50	60	43	53	45	42	54	62	60	59	64	58	54	45	55	52	48	49	40	40	55	53	54	56	58	58	54	55	52	52	60	52.9	EDT	
OLNEY 1 S	80	>	>	79	52	61	77	73	66	68	79	71	60	73	70	57	50	53	68	71	62	57	56	62	61	66	59	64	65	77	69	65.7	2400	
GIANNOLA	55	>	>	49	46	49	53	61	59	58	63	54	53	44	53	50	47	47	41	46	54	52	53	55	56	55	53	51	53	59	52.6	EDT		
MONTOGMEY VILLAGE	81	80	67	64	53	66	82	76	70	72	84	72	65	73	73	59	52	57	71	75	65	61	58	67	67	70	62	67	71	80	73	68.8	2400	
ROTH 1SW	58	63	53	50	48	51	56	62	61	60	65	56	55	46	55	52	49	49	41	45	56	55	55	57	59	58	56	55	53	55	60	54.5	EDT	
GLENMONT 1NNE	81	81	69	67	53	63	82	75	67	72	84	69	62	75	74	59	51	56	73	78	63	60	56	63	64	69	61	67	69	80	72	68.2	2400	
ROSSEN	56	59	51	45	42	50	54	62	59	59	63	55	50	43	50	51	48	45	40	42	54	53	54	56	57	54	53	51	51	59	52.2	EST		
BETHESDA	78	79	66	62	54	63	80	76	68	71	83	72	63	74	73	60	53	55	72	74	62	60	57	66	65	69	62	65	69	81	71	67.8	2400	
SCAFIDE	55	59	51	49	45	49	53	60	58	57	62	55	53	44	53	49	46	46	41	44	53	52	52	54	54	55	53	52	51	52	59	52.1	EDT	
GAITHERSBURG 2WNW	81	80	69	63	52	68	82	77	69	71	83	68	65	75	72	58	52	56	73	76	62	59	56	66	65	69	61	67	71	81	72	68.4	2400	
SHAW	57	58	50	44	43	49	53	59	58	58	62	54	48	40	54	52	46	45	38	41	54	51	51	56	57	57	53	50	51	50	59	51.5	EDT	
FOREST GLEN	81	82	69	67	53	63	82	79	68	72	84	71	65	75	75	59	51	57	74	78	63	60	57	66	66	71	62	69	71	81	72	69.1	2400	
TERRY	56	61	51	46	44	50	53	61	59	58	64	54	51	43	51	51	47	47	41	43	54	53	53	55	55	56	54	51	51	53	60	52.5	EDT	
ROCKVILLE 1NE	M	M	67	66	51	68	M	77	69	72	85	71	68	72	73	68	51	56	72	76	61	61	56	66	65	70	63	66	71	79	72	67.6	2400	
WASH GAS LIGHT	M	M	50	46	45	54	53	61	58	57	57	55	53	56	53	49	46	47	42	41	51	52	52	54	55	55	53	52	51	54	57	52.0	EDT	
SOUTH BOWIE	81	83	69	66	52	58	80	78	63	71	83	74	65	72	75	60	52	52	70	76	60	59	57	66	64	70	61	69	70	80	74	68.1	2400	
HUDELSON	56	60	50	50	40	50	52	62	60	59	64	58	55	44	50	52	48	47	40	42	56	55	55	56	58	54	52	50	54	60	53.1	EDT		
OXON HILL	82	83	70	67	55	63	84	79	67	72	84	76	66	76	77	61	52	55	73	77	63	60	57	71	68	73	63	70	70	82	74	70.0	2000	
SMITH	55	61	52	48	42	50	51	61	59	58	62	60	56	45	53	51	48	47	43	44	54	54	53	55	59	57	52	52	52	59	53.1	EDT		
HOLLYWOOD	80	80	68	65	57	62	80	75	63	70	84	74	69	75	73	63	53	54	71	76	67	59	58	68	64	71	61	69	68	80	74	68.7	2359	
ABELL	59	62	49	45	38	53	50	63	58	59	62	61	53	47	56	53	50	49	46	44	55	55	54	58	60	59	53	54	54	61	54.0	EDT		
ORAVILLE																																		2400
VAN WIE																																		EDT
RIDGE	80	78	62	65	56	66	76	74	63	71	83	76	72	76	74	63	54	54	70	74	68	58	58	70	64	69	63	70	70	80	75	68.8	2400	
ZYLA	60	62	52	46	43	55	56	59	57	59	61	60	53	50	59	52	50	49	49	48	55	57	55	60	56	58	55	53	57	59	63	55.1	EDT	
HAGERSTOWN 1E	80	81	69	64	49	66	80	74	63	71	83	69	61	73	66	56	51	56	71	74	64	58	57	68	69	66	65	65	73	79	70	67.5	2400	
KEEFER	57	58	50	46	44	48	50	59	55	59	60	51	50	41	49	51	48	44	38	43	55	52	53	54	56	57	49	50	48	50	59	51.1	EDT	
SMITHSBURG 2 NE	81	82	67	66	52	69	85	78	68	74	82	66	61	71	68	56	51	57	70	76	63	59	58	71	71	69	69	67	76	80	70	68.8	2000	
VAUGHN	59	54	48	48	43	49	50	61	55	59	61	50	50	45	54	49	46	42	39	45	55	51	52	54	53	55	51	48	48	50	60	51.1	EDT	
SALISBURY	82	75	64	62	56	69	79	74	62	72	84	75	67	72	71	61	51	55	67	75	71	57	56	67	65	65	64	65	74	79	76	68.1	2400	
NWS WICOMICO CO APT	48	56	37	32	28	50	48	53	53	52	59	51	53	39	41	50	47	46	39	36	45	54	52	54	53	51	46	49	47	54	57	47.7	EST	
HANOVER 2 S, PA	80	76	65	62	50	63	78	71	61	73	79	65	57	69	67	55	49	56	71	75	60	59	55	65	66	65	65	67	72	76	76	66.1	2100	
RICKELL	55	52	46	45	43	45	49	55	56	55	58	50	47	43	47	48	45	41	35	40	54	52	50	53	56	52	48	50	48	49	56	49.1	EDT	
WASH NATIONAL	78	81	66	65	54	63	80	77	66	73	82	72	66	73	74	62	53	55	71	74	62	60	57	67	67	71	62	68	67	80	72	68.3	2400	
NWS ASOS	59	63	54	52	49	52	54	63	60	60	64	58	54	49	54	53	49	50	45	49	55	56	54	57	59	57	54	55	55	54	61	55.1	EST	
WASH DULLES	80	80	67	64	51	63	80	76	66	68	82	68	64	73	74	61	51	54	71	75	63	60	56	68	66	71	61	68	68	79	73	67.8	2400	
NWS ASOS	57	59	52	43	41	51	51	59	58	59	61	54	46	41	54	51	48	48	43	42	55	53	54	55	51	55	53	50	50	49	60	51.7	EST	

**ACON MD / DE / DC  
MAY 2003 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	0.05				0.05	0.04	0.03	0.30	0.03	0.15	0.03	0.02	T			0.50		0.02			0.52		0.20	T	0.20	1.82					0.25	4.21	2400		
																																	0.0	EDT	
BEAR 2 SW, DE GALLAHER	0.03				0.05	0.03	0.55	0.20	0.16	T		T	T			0.76	0.04	0.01			0.43	T	0.24	0.03	0.37	1.41	T	0.02			0.17	4.50	2400		
																																	0.0	EDT	
WILMINGTON, DE NWS NEW CASTLE CO APT	0.01				0.04	0.03	0.22	0.06	0.16		0.06	0.02	T			0.55	T	0.03			0.41	T	0.20	0.02	0.43	1.48	T	0.01			0.20	3.93	2400		
																																	0.0	EST	
U of D DE Climatologist Newark Pearson Hall	0.01				0.02	0.03	0.08	0.07	0.14	0.01	0.14	0.03				0.42	0.03				0.31		0.14	0.01	0.21	0.64	0.01	0.01			0.15	2.46	2400		
																																		0.0	EDT
GEORGETOWN, DE NWS SUSSEX CO APT					0.05	0.01	0.30	T	0.10	0.07	0.04	T			T	1.60	0.04	0.09			0.75	0.11	0.34	T	0.01	0.71	0.05	0.63	0.02		0.17	5.09	2400		
																																		0.0	EST
GEORGETOWN, DE UofD RESEARCH & ED CTR					0.02	0.01	0.23	0.01	0.06	0.10	0.02					2.94	0.15	0.13			0.64	0.12	0.30	0.01	0.01	0.61	0.03	0.35	0.04		0.09	5.87	2400		
																																		0.0	EST
HARBESON, DE UofD WARRINGTON FARM					0.03	0.02	0.22		0.06	0.05	0.04					1.31		0.04			0.64	0.17	0.32			0.51	0.04	0.47	0.17		0.08	4.17	2400		
																																		0.0	EST
FROSTBURG LATTA	0.20	0.04	T	0.42	0.08	0.61		0.39	0.25	0.79	0.69		0.69			0.80	0.35	0.21	0.20		0.15	0.01	0.08	0.33		0.91		0.37	0.01		0.04	7.62	0700		
																																		0.0	EST
LAVALE MULLINS	0.12		0.07	0.28	0.70	T	0.08	0.23	0.90	0.77		0.28	0.04		0.46	0.83	0.16	0.17	0.03	T	0.10	0.09	0.27	0.20	0.11	0.76	0.32	0.21			0.98	8.16	2400		
																																		0.0	EDT
ST MARGARETS BRYANT	0.04				0.06	0.03	0.24	0.30	0.36	0.16						1.50	0.05	0.11			0.57	0.15	0.27	0.27	0.43	1.57	T	0.22	0.08		0.71	7.12	2100		
																																		0.0	EDT
MILLERSVILLE 1SE HANSON	0.09			0.01	0.12	0.02	0.12	0.10	0.43	0.12	0.14					2.16	0.04	0.14			1.06	0.06	0.21	0.24	0.38	1.74	0.02	0.20	0.06		0.83	8.29	2400		
																																		0.0	EDT
LOTHIAN JUG BAY	0.17				0.11	0.01	0.18	0.07	0.22	0.33		0.01				0.90	0.23	0.32	0.03			0.74	0.05	0.35	0.21	2.04	0.05	0.14	0.13	0.12	0.01	6.42	0900		
																																		0.0	EDT
BWI NWS ASOS	T			T	0.11	0.02	0.08	0.16	0.48	0.14	0.05	0.02	T		T	1.96	0.06	0.04			1.10	T	0.18	0.15	0.31	1.51	0.01	0.07	0.02		0.34	6.81	2400		
																																		0.0	EST
LAUREL 2 E STOUDT	T			T	0.19	0.05	0.15	0.08	0.37	0.11	0.18				0.02	2.22	0.06	0.27			0.92	T	0.20	0.14	0.31	1.54	0.01	0.16	0.06		0.27	7.31	2400		
																																		0.0	EST
PARKTON 5SW KREINK	0.03				0.11		0.10	0.32	0.48	0.22	0.01	0.05	0.03			1.57	0.20	0.05			0.17		0.15	0.36	0.76	0.86	T	0.38			0.57	6.42	2200		
																																		0.0	EDT
OWINGS MILLS 2SE SHARROW	0.04			T	0.15	0.03	0.03	0.08	0.60	0.25		0.01	0.01		0.02	3.05	0.05	0.13			0.55		0.31	0.27	0.20	1.32	T	0.13			0.58	7.81	2400		
																																		0.0	EDT
BALTIMORE 2SE MANFRE	0.06			T	0.02		0.02	0.13	0.56	0.17		T	T		T	2.18	0.01	0.02			0.69		0.21	0.19	0.22	1.72	T	0.35			0.23	6.78	1800		
																																		0.0	EDT
BALT INNER HARBOR MD SCIENCE CENTER					0.08	0.04	0.01	0.03	0.42	0.14	0.01	T				2.07	0.01	0.04			0.68		0.20	0.22	0.23	1.53		0.28			0.21	6.20	2400		
																																		-	EST
MANCHESTER 1SW CLOSE	T	T		0.06	0.29	0.04	0.15	0.21	0.48	0.22		0.05	0.01		0.09	2.17	0.07	0.01		0.02	0.13	T	0.14	0.21	0.96	0.56	0.10	0.83	T		0.66	7.46	2300		
																																		0.0	EDT
WESTMINSTER 4 SSE HARTSOCK	0.03			0.08	0.25	0.08	0.01	0.16	0.53	0.23		0.03			0.20	1.77	0.03	0.21			0.16		0.21	0.22	0.84	0.68	0.01	0.28			0.61	6.62	2100		
																																		0.0	EDT
WESTMINSTER 5 SSE KLEIN	0.04			0.07	0.25	0.05	0.03	0.12	0.54	0.22		0.03			0.20	1.70	0.04	0.20			0.17		0.24	0.18		1.45	0.02	0.26			0.56	6.37	2200		
																																		0.0	EDT
MILLERS 4NE MILLER	T			0.02	0.19	0.04	T	0.38	0.56	0.22	0.07	0.05	0.03	T	T	1.61	0.17	0.03			0.12		0.10	0.36	0.78	0.69	T	0.63			0.20	6.25	1800		
																																		0.0	EDT
FREDERICK 4 N FARFAN	0.02	0.01		0.30	0.44	0.05	0.08	0.27	0.57	0.35		0.02	T		1.05	1.86	0.15	0.29			0.05		0.44	0.55	0.05	0.51	0.04	0.23	0.01	0.68	8.02	2400			
																																	0.0	EDT	
EAGLE ROCK HARVEY	0.19	0.50		0.28	0.05	0.32		0.19	0.06	3.04	0.50		0.70			0.20	0.07	0.08	0.08		0.22	T	0.05	0.40		0.11		0.32	T	0.05	7.41	800			
																																		0.0	EDT

