



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

EASTER WEEKEND SOUTHERN SNOW- STRONG MID MONTH NORTHEASTER

Cold, wet April. The month began and ended with warm temperatures but the middle portion was quite cold for April. Below are some notable events from local National Weather Service Offices:

Baltimore - 5th to 12th average temperature 44.2°, coldest observed for this time frame.

Washington (Reagan) - 5th to 12th average temperature 44.3°, coldest since 1907. First measurable April snow since 1972.

Wilmington DE - Wettest April on record 8.55". Heaviest April daily rain 4.36"

April began mostly cloudy with a few light showers. Thunder was observed late at night or early on the morning of the 2nd in portions of north central Maryland as a warm front moved north. Temperatures rose rapidly on the second to the mid 70's and lower 80's. **Brian Smith** of **Oxon Hill** reported 85 while **Marty Brumback** of **Bryans Road 2 ESE**, **Joe Terry** of **Forest Glen**, and **Floyd Abell** of **Hollywood** each recorded 83 degrees.

Early morning rain and thunderstorms occurred on the 4th. One inch amounts fell in Northern Delaware. A strong cold front ushered in much colder air late on the 4th. The cold blast lasted through the 11th.

Measurable snow fell early on the morning of the 7th, the Saturday before Easter. 1" amounts fell south and east of Washington. **John Zyla** of **Ridge** measured 4.0", **Floyd Abell** of **Hollywood** 2.2", and **Brian Smith** of **Oxon Hill** 1.3". Salisbury NWS reported 1.0".

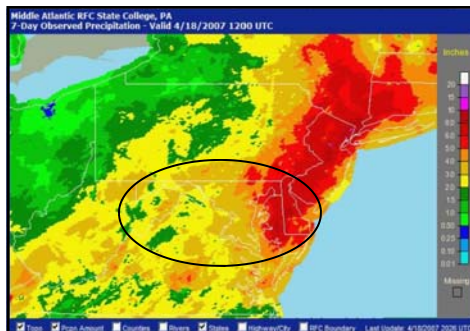
A cold heavy rain fell the morning of the 12th. Amounts were generally in the 0.50" to 1.00" range. Over one inch fell in Northern Delaware. Afternoon temperatures warmed up to between the mid 50's and mid 60's.

A strong coastal northeaster, brought record heavy rains, strong winds, and some snow from the 14th to the 16th. Small stream and urban flooding occurred in the eastern half of the region. Wilmington DE NWS reported a 60 mph wind gust. Wind gusts over 50 MPH or greater were reported by the following ACON observers:

- 59 **Jim Vaughn** of **Smithsburg 2 NE**
- 54 **Rich Giannola** of **Laurel JHU/APL**
- 53 **Ralph Hartsock** of **Westminster 4SSE**
- 53 **Gary Gallaher** of **Bear 2 SW DE**
- 52 **Greg Keefer** of **Hagerstown 1 E**
- 50 **Ray Muller** of **Westminster City**

The heaviest rains fell in Northern Delaware where storm totals ranged from 4 to 5 inches. **Gary Gallaher** of **Bear 2 SW DE** reported 5.05". Two to three inches fell from the Maryland mountains to the Chesapeake Bay. 2.50" plus rains was reported by the following ACON observers:

- 2.95" **Dan Hanson** of **Pasadena 3 SW**
- 2.79" **Marty Sharrow** of **Owings Mills**
- 2.67" **Jeff Stoudt** of **Laurel 2 E**
- 2.65" **Stan Rossen** of **Glenmont 1NNE**
- 2.62" **Joe Manfre** of **Baltimore 2 SE**
- 2.61" **Brian Smith** of **Oxon Hill**
- 2.59" **Lance Schaffer** of **Sterling 4 N**
- 2.52" **Rich Giannola** of **Olney**



Precipitation April 11-18
Maryland & DE inside oval. Orange/red 4" plus

10" of snow fell at Eagle Rock in the Western Maryland Mountains. Philadelphia PA NWS reported an April record low barometric pressure of 28.82".

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	89
Glenmont 1 NNE	89

MINIMUM TEMPERATURE

Davis 3 SE WV	11
Eagle Rock	14
Frostburg	19

WARMEST AVG. TEMP.

Oxon Hill	54.7
Hollywood	54.7

COLDEST AVG. TEMP.

Davis 3 SE WV	40.9
Eagle Rock	42.5
Frostburg	44.5

MAXIMUM PRECIPITATION

Bear 2 SW DE	8.67
UofD Townsend DE	8.48

MINIMUM PRECIPITATION

Bethesda	3.20
Owings Mills	3.32

MAXIMUM SNOWFALL

Davis 3 SE WV	27.8
Eagle Rock	17.6
Ridge	4.0

The last third of the month was much warmer. Maximum temperatures ranged from the 60's to 80's with minimums from the 40's to 50's.

The last rain event occurred from the 25th to the 28th. The heaviest fell on the 27th. Over 1 inch fell in Northern Delaware westwards into Carroll County Maryland. **Ralph Hartsock** of **Westminster 4 SSE** reported 2.52", **Greg Klein Westminster 5 SSE** 2.36" and **Al Kreinik** of **Parkton 5 SW** 2.01".

OBSERVER COMMENTS FOR APRIL 2007

Gary Gallaher of Bear 2 SW, DE

8.67" - Record wet April. Old record was 7.57" set in 1973.

15th - 4.39" of rain smashed the old monthly record of 2.16" set 4/2/2005. Storm total for the 14th - 16th is 5.05".

16th - Very windy, 53MPH peak gust from the west. Minimum barometric pressure of 28.88 is the lowest since March 1993. Upwards of 1" of wet snow fell in the extreme northern portion of Delaware, but only a Trace fell here.

Nate Mullins of LaVale

Coolest April since 1997 and the second coolest overall since records began in 1992.

2nd - Dense fog cleared by 9AM. Breezy with a high of 82.

16th - No snow accumulation here but substantial accumulations on nearby ridges.

Jeff Stoudt of Laurel 2 E

7th - Wet snow after midnight till near daybreak.

25th - Couple of brief very heavy showers 2005-2020.

Al Kreinik of Parkton 5 SW

11th - Heavy frost.

27th - Occasional heavy rain. Total 2.01"

Marty Sharrow of Owings Mills

6th - Lots of clouds, windy and cold.

21st - Sunny and pleasantly warm.

Joe Manfre of Baltimore 2SE

7th - Light snow early in the AM.

Greg Klein of Westminster 5 SSE

27th - Multiple early morning thunderstorms with frequent lightning dropped 2.52" of rain.

Ralph Hartsock of Westminster 4 SSE

16th - Peak wind gust 53 MPH. Snow showers.

27th - Heavy rain, mild, thunderstorms.

Bobby Miller of Millers 4 NE

4th - Thunderstorm 6:30 AM with heavy rain.

11th - Heavy frost.

15th & 16th - Strong winds late on the 15th and on the 16th. Peak wind gust 49 MPH at 2:09 AM on the 16th.

16th - Record minimum April Barometric pressure of 29.07".

Ray Muller of Westminster City

16th - Very windy. Peak gust 50 MPH from the NW.

Eric Glass of Emmitsburg 2 SE

16th - Cloudy, very windy.

Rebecca Harvey of Eagle Rock

17th - 8" of snow on the ground, max depth for the month.

Rich Giannola of JHU/APL

12th - Peak wind gust 43 MPH from the west at 5:08 PM

15th - Peak wind gust 47 MPH from the NW at 11:09 PM

16th - Peak wind gust 54 MPH from the west at 11:42 AM

16th - Minimum barometric pressure 29.15"

17th - Peak wind gust 40 MPH from the WNW at 1:45 AM.

Rob Cohen of Potomac 4 N

7th - Light snow 3 to 7AM. 0.5 inches fell.

Rich Giannola of Olney 1 S

7th - Early morning snow ended before dawn. Total 0.5"

Stan Rossen of Glenmont 1 NNE

4th - Predawn thundershower.

7th - Light snow 0025 to 0510 hours. Total 0.8".

27th - Thundershower pre-dawn and late evening.

Kevin Shaw of Gaithersburg 2 WNW

7th - 42° tied 1982 for the lowest max for the date.

9th - 25° new minimum for the date.

11th - 27° new minimum for the date.

30th - 83° new maximum for the date.

Joe Terry of Forest Glen

4th - Several pre-dawn thunderstorms with lots of distant rumbles over a 2 to 3 hour period. By evening windy and cold. Sharpest relative humidity drop I've ever observed 85% to 45% in only 15 minutes around 2000.

7th - First April snow accumulation since 2000.

16th - Minimum barometric reading 29.14". 49 MPH wind from the west was the highest wind gust since 11/2003.

Brian Smith of Oxon Hill

7th - Snow 0100 to 0630. 1.3" fell.

15th - Ugly storm with rain and heavy rain till 1600. Rain showers 2000-2100.

Floyd Abell of Hollywood

7th - Record April snowfall totaling 2.2". Only time when 1" of snow fell during the month of April.

28th - Showers and fog till dawn. Evening sprinkles.

John Zyla of Ridge

7th - 4.0" of snow. First measurable April snow in station history (13 years)

16th - 28.97" lowest pressure in station history.

Max Hutto of Smithsburg 1.5 SW

16th - Cold, extremely windy (44 MPH WNW), lowest barometric pressure (29.16") since 3/8/2005.

Greg Keefer of Hagerstown 1 E

2nd - T'storm after midnight. Dense fog at sunrise.

12th - Rain, heavy at times, ending by 8 AM.

16th - Minimum barometric reading 29.18". Strong WNW winds gusting up to 52 MPH.

30th - Sunny and warm. WNW winds to 38 MPH.

Jim Vaughn of Smithsburg 2 NE

Second coldest April behind 49.6 degrees in 1997.

16th - 42° max broke the old daily minimum max of 50° set in 1996. Peak wind gust of 59 MPH. Minimum barometric reading of 29.17".

24th - 62° min temp smashed the previous max minimum reading of 54.

Lance Shaffer of Sterling 4 N VA

7th - 0.5" of morning snowfall.

Dave Leshner of Davis 3 SE WV

17th - 10" snow depth—Maximum depth of the month.

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
APRIL 2007 SUMMARY**

OBSERVER	STATION <i>COUNTY, STATE</i>	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME		
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE	SEA- SON
<i>New Castle, Delaware</i>																									
Gallaher, Gary	Bear 2 SW	59.6	40.0	49.8	83	30	25	11	0	0	7	53	W	16	8.67	4.29	15	19.25	6	4	T	T	5+	12.6	2400
NWS Wilmington	New Castle Co. Apt.	60.2	40.9	50.6	84	30	28	6	0	0	6	60	WNW	16	8.55	4.36	15	18.62	9	4	T	T	5+	12.6	2400
U of DE DEOS	UofD AG Farm Newark, DE	60.2	40.6	50.4	85	23	27	11	0	0	7	33		16	6.84	3.67	15	17.12	6	2					2400
U of D Townsend Farm	Townsend 4 W	58.6	40.6	49.6	83	30	26	11	0	0	7	44		16	8.48	4.47	15	8.59	10	3					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	61.7	41.6	51.7	85	30	26	9	0	0	7	47	W	16	4.40	1.58	15	13.89	9	1					2400
U of D Research & Ed Ctr	Georgetown	61.6	42.3	52.0	85	30	27	11	0	0	7				4.13	1.58	15	12.01	12	1	0.0	0.0		7.3	2400
U of D Warrington Farm	Harbeson 8 S	59.7	40.6	50.2	85	30	25	9	0	0	7				1.96	0.83	12	9.49	7	0					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	53.6	35.3	44.5	79	4+	19	8+	0	1	12				4.09	1.51	15	13.30	12	1	4.4	1.7	8	65.0	0700
Mullins, Nate**	LaVale	58.8	39.5	49.2	86	22	26	7	0	0	7				3.68	0.90	14	11.26	13	0	0.3	0.2	7	35.3	2400
<i>Anne Arundel, Maryland</i>																									
Bryant, Dave	Annapolis 2 N																								2400
Hanson, Dan	Pasadena 3 SW	62.2	41.3	51.8	87	23	26	11	0	0	6	40	WSW	16	5.44	2.72	15	13.63	11	2	0.0	0.0		0.5	2400
Jug Bay Wetlands	Lothian	64.4	41.6	53.0	89	24	25	8+	0	0	7				4.09	1.43	15	13.29	14	1	0.6	0.6	7	3.5	0900
NWS Baltimore	BWI Airport	61.3	41.6	51.5	85	23	26	9	0	0	7	53	W	16	5.00	2.52	15	13.69	8	1	0.2	0.2	7	11.0	2400
Stoudt, Jeff	Laurel 2 E	62.2	42.7	52.5	86	23+	29	8	0	0	4				5.09	2.46	15	14.29	13	1	0.4	0.4	7	12.9	2400
<i>Baltimore, Maryland</i>																									
Kreinik, Al	Parkton 5 SW	59.1	38.2	48.7	83	23	23	9	0	0	10				6.36	2.70	15	16.06	11	3	T	T	8	19.3	2200
Sharrow, Marty	Owings Mills 2 SE	60.0	40.3	50.2	83	23	26	8+	0	0	7				3.32	2.08	15	11.71	9	1	T	T	5+	18.0	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	63.7	46.0	54.9	87	30	31	8	0	0	1				4.59	2.29	15	12.75	9	1	0.1	0.1	7	11.2	1800
Maryland Science Ctr	Baltimore Inner Harbor	64.4	49.8	57.1	88	30	43	14+	0	0	0				3.22	2.35	15	11.57	6	1					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	58.1	41.3	49.7	83	23	25	8	0	0	7				5.00	1.99	15	16.23	11	2	T	T	5+	22.7	2300
Hartsock, Ralph	Westminster 4 SSE	60.6	40.0	50.3	81	30	25	8	0	0	8				6.07	2.52	27	17.52	10	2	T	T	5+	18.3	2000
Klein, Greg	Westminster 5 SSE	57.2	40.3	48.8	78	23	24	8	0	0	7				5.78	2.36	27	16.62	10	2	0.0	0.0		24.3	2200
Miller, Bobby	Millers 4 NE	58.7	38.8	48.8	82	23	24	8	0	0	8	49	NNW	16	5.04	1.98	15	16.00	13	2	T	T	5+	22.3	1800
Muller, Ray	Westminster City	M	M	M	82	23	26	9				50	NW	16	4.41	1.85	15	14.85	6	2	T	T	6+	21.7	1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	64.2	43.5	53.9	87	23	28	8+	0	0	5	39		17	4.31	2.21	15	11.17	11	1				10.0	2400
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	59.2	38.2	48.7	84	24	24	11+	0	9	9				3.70	1.37	15		9	1	0.0	0.0		19.9	0700
Lawrence, Bryon	Frederick 3 WNW																0.00								2300
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock	51.2	33.8	42.5	78	4	14	7	0	5	15				4.56	1.55	15	16.85	17	2	17.6	8.0	17	124.6	0800

**ACON MD / DE / DC
APRIL 2007 SUMMARY**

OBSERVER	STATION <i>COUNTY, STATE</i>	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME		
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE	SEA- SON
<i>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	60.1	42.9	51.5	85	23	27	8	0	0	7	54	W	16	3.56	2.08	15	11.98	9	1	0.4	0.4	7	12.5	2400
<i>Montgomery, Maryland</i>																									
Cohen, Rob	Potomac 4 N	62.6	41.7	52.2	85	23	26	9	0	0	7				3.97	2.40	15	12.55	9	1	0.5	0.5	7	14.3	2100
Giannola, Rich	Olney 1 S	<u>61.2</u>	<u>41.0</u>	<u>51.1</u>	85	23	26	8	0	0	7				4.22	2.52	15	12.37	9	1	0.5	0.5	7	15.1	2400
Roth, David	Montgomery Village 1SW	61.4	42.7	52.1	87	23	28	8	0	0	5	30		16	4.18	2.25	15	13.51	10	1	0.0	0.0		12.7	2400
Rossen, Stan	Glenmont 1 NNE	63.4	41.5	52.5	89	23	28	8+	0	0	6	26		16	4.14	2.39	15	12.66	11	1	0.8	0.8	7	14.0	2400
Scafide, Tony	Bethesda	61.3	43.5	52.4	85	23	28	8	0	0	5	28		16	3.20	2.14	15	10.13	8	1					2400
Shaw, Kevin	Gaithersburg 2 WNW	62.6	40.2	51.4	87	23	25	8+	0	0	7				3.70	2.02	15	13.51	13	1	0.2	0.2	7	18.8	2400
Terry, Joe	Forest Glen	64.5	42.5	53.5	88	23	27	9	0	0	5	48	W	16	4.38	2.44	15	13.39	10	1	0.9	0.9	7	15.4	2400
Wash Gas Light	Rockville 1 NE	60.8	44.3	52.6	85	22	29	8	0	0	4				3.68	1.90	15	10.96	9	1	0.3	0.3	7	5.6	2400
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	65.0	44.4	54.7	88	23	30	7+	0	0	2				4.23	2.46	15	13.52	9	1	1.3	1.3	7	13.1	2300
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	64.6	44.7	54.7	87	30	28	9	0	0	6	46		16	3.89	1.92	15	15.10	10	1	2.2	2.2	7	7.8	2400
Zyla, John	Ridge	63.9	45.1	54.5	87	30	30	7	0	0	3	33	SW+	15+	4.14	1.72	15	14.31	12	1	4.0	4.0	7	7.1	2400
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	60.2	39.2	49.7	85	23	26	11	0	0	8	44	WNW	16	3.69	1.91	15	12.76	12	1	T	T	5+	22.4	2400
Keefer, Greg	Hagerstown 1 E	58.7	39.0	48.9	84	23	26	8+	0	0	8	52	NW	16	3.60	1.87	15	12.66	11	1	T	T	5+	23.6	2400
Vaughn, Jim	Smithsburg 2 NE	57.9	42.4	50.2	82	23	27	8	0	0	6	59	NW	16	3.38	1.69	15	11.18	12	1	0.1	0.1	16	21.7	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	63.4	39.7	51.6	85	30	20	9	0	0	6	54	NW	16	4.24	2.42	15	14.36	7	1	1.0	1.0	7	3.4	2400
<i>Arlington, Virginia</i>																									
NWS Washington Natlona	National Airport	62.6	44.6	53.6	86	30	29	8	0	0	3	52	NNW	16	4.17	2.41	15	12.04	9	1	0.4	0.4	7	9.5	2400
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	62.7	41.7	52.2	86	23+	27	8	0	0	6	56	WNW	16	3.38	1.93	15	10.96	10	1	0.2	0.2	7	14.7	2400
Shaffer, Lance	Sterling 4 N	62.5	43.2	52.9	85	23	28	8	0	0	4				4.03	2.34	15	11.63	11	1	0.5	0.5	7	20.3	2400
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	49.2	32.6	40.9	74	4	11	8	0	6	14				7.22	1.98	15	26.93	20	2	27.8	9.5	17	193.6	0700
SECTION AVERAGE*		60.8	41.3	51.1											4.65		13.73			1.0			19.7		

NOTES:

M OR UNDERLINE= MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

ITALIC = ESTIMATED DATA

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

**OBSERVERS FOR LAVALLE ARE DAVID DREWERY AND CHARLES ORLICK. DATA COMPILED BY NATE MULLINS.

National Weather Service station data listed herein is preliminary and may be subject to change. The data has not been certified and cannot be used in legal actions.
Only reports certified by the National Climatic Data Center in Asheville, NC may be used for these purposes.
Accuracy of Data from ACON Observers not guaranteed.

GARY GALLAHER 11/11/07

ACON MD / DE / DC
APRIL 2007 DAILY TEMPERATURES

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	AVG	OBS TIME	
BEAR 2 SW, DE GALLAHER	55	79	63	49	44	44	41	43	46	50	52	59	54	58	46	46	52	51	56	70	75	80	82	79	70	59	61	68	74	83	59.6	2400 EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT	55	79	61	49	45	45	43	45	46	51	52	58	54	59	47	46	52	52	57	71	76	79	83	80	70	60	62	70	74	84	60.2	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	54	80	66	48	44	45	41	43	44	50	54	60	54	59	46	45	52	51	58	71	76	83	85	79	71	60	61	69	74	84	60.2	2400 EST	
TOWNSEND 4 W, DE U of D DE Townsend Farm	53	78	62	48	43	43	40	41	41	49	50	58	54	58	46	45	52	49	54	69	74	79	82	79	69	57	62	67	73	83	58.6	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	66	80	58	56	47	47	42	43	47	51	53	65	56	59	63	47	55	49	52	67	75	81	83	82	68	58	71	70	74	85	61.7	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR	67	80	59	56	47	47	41	44	47	51	53	65	55	58	63	47	54	49	52	67	75	81	83	82	68	57	71	70	74	85	61.6	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM	61	77	51	54	46	46	41	43	46	51	50	65	55	59	62	M	M	M	M	M	M	46	83	81	63	55	71	69	73	85	59.7	2400 EST	
FROSTBURG LATTA	61	52	71	79	57	33	35	30	34	37	45	42	50	46	44	42	34	42	45	53	66	73	79	79	73	63	51	69	55	69	53.6	0700 EDT	
LAVALE MULLINS**	60	82	82	61	36	38	35	37	46	49	43	50	52	50	47	40	45	51	55	69	79	86	84	74	65	58	72	62	75	81	58.8	2400 EDT	
ANNAPOLIS 2 N BRYANT																																2400 EST	
PASADENA 3 SW HANSON	58	81	69	53	44	47	42	45	47	51	54	63	57	61	47	48	55	56	57	71	78	81	87	84	74	60	66	70	76	86	62.2	2400 EDT	
LOTHIAN JUG BAY	61	M	83	72	56	49	51	43	52	65	56	67	66	58	61	48	49	56	55	56	73	80	85	89	84	78	63	73	73	M	64.4	0900 EDT	
BALTIMORE NWS BWI APT	56	80	69	54	45	45	40	44	47	51	53	62	56	58	47	46	54	53	56	71	77	82	85	82	72	58	68	69	75	84	61.3	2400 EST	
LAUREL 2 E STOUDT	59	81	73	54	46	47	41	43	47	51	54	61	57	59	45	45	54	55	57	73	78	83	86	83	77	60	67	69	76	86	62.2	2400 EST	
PARKTON 5SW KREINIK	52	77	71	52	43	42	40	42	38	49	50	59	54	56	45	45	51	53	56	69	75	80	83	80	71	56	64	67	73	80	59.1	2200 EDT	
OWINGS MILLS 2SE SHARROW	54	77	69	52	47	43	38	40	44	49	51	61	56	58	54	44	51	54	55	69	75	80	83	78	72	57	66	68	73	82	60.0	2400 EDT	
BALTIMORE 2SE MANFRE	59	81	71	55	47	48	42	46	49	53	56	69	59	62	49	49	57	56	58	73	81	85	86	84	70	62	66	71	79	87	63.7	1800 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	M	M	M	M	M	M	M	M	M	M	M	70	59	63	49	49	56	57	M	M	M	M	M	M	M	69	61	66	72	78	88	64.4	2400 EST
MANCHESTER 1SW CLOSE	52	76	74	50	39	41	38	39	42	49	48	58	51	56	49	42	50	54	54	67	74	79	83	78	69	54	62	63	72	80	58.1	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK	57	75	77	61	46	44	41	41	46	50	55	57	53	59	43	46	53	56	59	69	73	76	80	79	73	59	66	73	71	81	60.6	2000 EDT	
WESTMINSTER 5 SSE KLEIN	51	72	70	52	41	42	38	40	44	48	50	55	51	56	44	42	52	54	56	64	69	75	78	76	69	55	62	64	70	77	57.2	2200 EDT	
MILLERS 4NE MILLER	56	75	73	67	47	39	37	38	40	48	48	57	51	52	50	42	50	52	56	67	73	77	82	80	73	54	62	63	72	80	58.7	1800 EDT	
WESTMINSTER CITY MULLER									26														82								M M	1900 EDT	
BRYANS ROAD 2 ESE BRUMBACK	61	83	82	56	49	48	41	46	46	56	54	66	60	56	50	46	55	55	57	73	79	84	87	85	80	62	73	72	77	86	64.2	2400 EDT	
EMMITTSBURG 2 SE GLASS	63	52	79	79	54	43	43	41	43	46	51	49	53	55	55	45	43	56	55	57	70	75	81	84	80	67	55	62	66	75	59.2	0700 EDT	

ACON MD / DE / DC
APRIL 2007 DAILY TEMPERATURES

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	AVG	OBS TIME	
FREDERICK 3 WNW LAWRENCE																																	2300 EDT
EAGLE ROCK HARVEY	60	59	70	78	50	28	32	24	28	34	46	38	52	44	44	40	31	40	38	47	66	70	72	70	62	70	69	62	54	57	51.2	0800	
LAUREL JHU / APL GIANNOLA	42	42	46	44	18	18	14	16	20	24	28	30	28	28	38	26	28	28	32	32	36	47	50	42	46	42	41	42	44	42	33.8	EST	
POTOMAC 4N COHEN	55	78	69	53	41	42	37	41	44	49	50	61	53	57	44	42	52	53	56	69	75	83	85	83	73	58	73	68	74	84	60.1	2400	
OLNEY 1 S GIANNOLA	44	48	44	41	32	30	29	27	30	32	29	39	41	37	40	39	43	41	45	46	49	46	58	66	55	50	49	56	50	52	42.9	EDT	
MONTGOMERY VILLAGE ROTH 1SW	59	81	79	64	50	46	42	45	48	55	53	58	57	58	46	44	51	54	56	72	79	84	85	82	74	62	69	66	74	84	62.6	2100	
GLENMONT 1NNE ROSSEN	47	48	45	45	36	32	31	27	26	29	29	41	43	32	44	40	42	41	45	37	37	41	49	62	53	52	50	54	45	47	41.7	EST	
BETHESDA SCAFIDE	>	>	>	79	44	46	41	43	47	52	53	60	56	59	46	44	52	55	56	69	75	82	85	82	75	59	68	68	73	84	61.2	2400	
GAITHERSBURG 2WNW SHAW	>	>	>	43	35	31	30	26	27	30	31	40	39	33	42	40	32	38	44	39	42	45	53	63	53	51	49	53	47	51	41.0	EDT	
FOREST GLEN TERRY	58	78	78	58	44	45	40	43	47	51	52	58	55	56	47	44	52	55	57	69	75	81	87	82	75	59	69	68	75	84	61.4	2400	
ROCKVILLE 1NE WASH GAS LIGHT	47	49	47	44	35	32	32	28	29	33	31	41	41	34	41	40	42	42	46	40	39	43	53	64	56	51	50	53	49	51	42.7	EDT	
OXON HILL SMITH	59	82	78	55	47	48	43	47	48	53	53	65	59	60	46	46	53	53	56	71	78	85	89	85	77	59	72	70	77	87	63.4	2400	
HOLLYWOOD ABELL	47	48	44	42	35	33	30	28	28	29	28	42	38	32	42	42	44	40	45	38	37	41	49	61	53	51	50	54	46	48	41.5	EST	
SMITHSBURG 1.5 SW HUTTO	58	80	77	59	45	44	40	43	46	51	53	59	55	57	46	45	52	53	56	70	76	82	85	81	74	58	70	67	74	82	61.3	2400	
STERLING 4 N SHAFFER	47	49	52	45	36	33	30	28	29	31	32	41	43	37	43	41	44	41	46	42	42	46	55	64	57	51	49	56	46	51	43.5	EDT	
DAVIS 3 SE WV LESHER	58	81	79	59	45	47	42	44	49	55	52	60	57	59	46	44	52	54	57	73	78	85	87	83	77	59	71	68	75	83	62.6	2400	
WASH NATIONAL NWS ASOS	46	46	44	41	34	30	28	25	25	28	27	39	37	31	40	39	42	39	43	36	36	40	51	61	53	50	49	53	45	49	40.2	EDT	
WASH DULLES NWS ASOS	59	83	79	58	48	49	45	47	50	55	55	64	59	59	47	46	55	56	58	74	80	87	88	85	77	61	75	72	77	87	64.5	2400	
WASH NATIONAL NWS ASOS	47	49	49	43	35	33	31	28	27	30	32	42	41	35	42	42	44	39	46	39	39	43	53	63	55	51	50	54	45	49	42.5	EDT	
WASH NATIONAL NWS ASOS	58	77	76	56	44	46	39	44	46	52	53	60	56	60	45	43	50	54	55	68	73	85	80	80	77	59	70	66	72	81	60.8	2400	
WASH NATIONAL NWS ASOS	47	49	50	42	36	33	30	29	30	33	31	40	42	38	41	41	43	42	46	41	44	56	66	66	54	50	49	55	50	54	44.3	EDT	
WASH NATIONAL NWS ASOS	63	85	M	M	M	51	42	47	50	54	55	65	58	58	49	48	55	55	58	73	78	85	88	84	81	64	73	72	78	87	65.0	2300	
WASH NATIONAL NWS ASOS	48	50	M	M	M	38	35	30	30	33	33	44	45	37	44	44	45	43	47	41	42	44	55	65	58	52	51	56	49	52	44.4	EDT	
WASH NATIONAL NWS ASOS	62	83	75	58	51	52	42	47	50	54	55	69	61	56	60	48	56	55	56	70	76	83	85	82	78	65	74	72	76	87	64.6	2359	
WASH NATIONAL NWS ASOS	46	54	54	48	40	32	31	29	28	29	32	48	46	37	46	42	46	42	44	41	39	43	59	65	58	50	53	57	50	51	44.7	EDT	
WASH NATIONAL NWS ASOS	65	82	68	59	51	51	39	49	52	52	53	64	63	54	61	50	57	54	56	67	75	79	85	83	74	64	74	71	77	87	63.9	2400	
WASH NATIONAL NWS ASOS	47	56	48	47	38	38	30	31	31	37	37	39	42	45	36	40	44	41	44	43	43	53	58	63	56	50	55	54	52	56	45.1	EDT	
WASH NATIONAL NWS ASOS	57	77	83	61	41	42	38	40	44	52	50	54	51	53	46	42	50	54	58	72	79	84	85	78	71	57	70	63	74	81	60.2	2400	
WASH NATIONAL NWS ASOS	47	41	40	41	32	31	29	28	29	28	26	38	41	27	40	39	42	37	44	33	33	36	44	59	49	49	50	54	44	46	39.2	EDT	
WASH NATIONAL NWS ASOS	55	77	80	62	40	41	37	39	42	50	48	53	52	51	44	41	47	51	56	70	76	80	84	78	67	56	67	63	74	81	58.7	2400	
WASH NATIONAL NWS ASOS	44	41	43	40	31	29	28	26	27	27	26	37	40	28	39	38	41	38	44	34	35	38	47	60	49	49	49	51	43	48	39.0	EDT	
WASH NATIONAL NWS ASOS	54	75	78	59	40	40	36	39	42	48	48	53	50	51	45	42	48	52	56	68	76	79	82	75	67	55	67	61	72	79	57.9	2400	
WASH NATIONAL NWS ASOS	46	40	52	40	31	30	28	27	29	32	34	38	40	36	40	38	41	40	45	39	45	50	59	62	51	48	49	54	50	59	42.4	EDT	
WASH NATIONAL NWS ASOS	69	81	66	63	48	47	M	45	48	51	56	67	56	58	63	47	55	48	52	68	75	80	83	80	74	60	71	69	74	85	63.4	2400	
WASH NATIONAL NWS ASOS	47	45	40	44	36	34	M	25	20	21	22	45	35	26	43	39	42	39	41	34	29	35	57	56	50	47	53	55	48	43	39.7	EST	
WASH NATIONAL NWS ASOS	60	82	77	58	47	48	41	46	48	52	54	61	57	56	48	47	56	54	56	71	76	81	83	83	76	60	69	70	76	86	62.6	2400	
WASH NATIONAL NWS ASOS	48	51	49	44	37	34	31	29	31	35	36	45	44	38	43	42	45	42	47	42	45	47	54	61	57	52	50	57	50	52	44.6	EST	
WASH NATIONAL NWS ASOS	59	81	82	62	45	46	42	45	48	52	53	58	56	55	47	46	54	54	57	71	76	83	86	82	78	60	71	69	76	86	62.7	2400	
WASH NATIONAL NWS ASOS	49	47	45	43	36	32	30	27	29	28	28	43	36	33	42	41	45	41	43	38	37	39	54	60	54	52	50	54	46	49	41.7	EST	
WASH NATIONAL NWS ASOS	59	80	82	61	46	46	42	46	49	54	51	58	57	57	46	46	55	55	58	73	76	82	85	82	77	60	69	66	75	83	62.5	2400	
WASH NATIONAL NWS ASOS	49	48	48	46	37	34	33	28	29	32	32	45	43	36	42	41	43	42	46	40	40	43	51	61	53	53	51	54	48	49	43.2	EDT	
WASH NATIONAL NWS ASOS	61	62	64	74	53	22	27	19	21	26	40	42	46	41	46	47	30	38	39	41	60	66	73	72	67	69	57	59	52	61	49.2	0700	
WASH NATIONAL NWS ASOS	42	48	45	46	15	15	13	11	13	19	19	33	25	25	31	23	23	29	29	33	33	38	44	53	48	51	50	41	41	43	32.6	EDT	

**ACON MD / DE / DC
APRIL 2007 DAILY PRECIPITATION**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	OBS TIME	
BEAR 2 SW, DE GALLAHER				1.11	T		T				T	1.26		0.05	4.29	0.71	T		T					T	T	T	1.25	T			8.67	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT	T			1.01	T		T				T	1.27		0.09	4.36	0.43	T		T						0.01	0.06	1.31	0.01	T			8.55	2400
NEWARK AG FARM, DE U OF DE DEOS				0.81								1.11		0.05	3.67	0.45											0.75					6.84	2400
TOWNSEND 4 W, DE U of D DE Townsend Farm				1.23			0.01				0.01	1.45	0.01	0.05	4.47	0.52											0.70	0.03				8.48	2400
GEORGETOWN, DE NWS SUSSEX CO APT	0.02			0.93			0.01					0.78		0.12	1.58	0.42	T		T						0.24		0.30			T		4.40	2400
GEORGETOWN, DE UofD RESEARCH & ED CTR	0.02			0.77			0.01					0.77		0.05	1.58	0.26			0.20						0.06	0.01	0.30	0.10				4.13	2400
HARBESON 8 S, DE UofD WARRINGTON FARM	0.04			0.54			0.09					0.83		0.04	M	M	M	M	M	M	M					0.18		0.24	T			1.96	2400
FROSTBURG LATTA		0.46		0.08	T	0.09	T	0.07	0.01	T		0.92	0.13	T	1.51	0.11	0.19	T	T					T		0.05	0.47	T	T			4.09	0700
LAVALE MULLINS**	0.47	0.01		0.07	T	T	T	T			0.27	0.45	0.01	0.90	0.70	0.32	0.02								0.04	0.39	0.03					3.68	2400
ANNAPOLIS 2 N BRYANT																																	2400
PASADENA 3 SW HANSON	0.01			0.93			0.02				0.05	1.00		0.14	2.72	0.09										0.07	0.40	0.01				5.44	2400
LOTHIAN JUG BAY		0.05		0.72	0.05	0.01	0.06	0.02	T			0.79	0.13	T	1.43	0.13	0.02		T							0.02	0.55	0.11	T	M		4.09	0900
BWI NWS ASOS	T	T		0.66		T	0.04				0.26	0.71		0.22	2.52	T			T						T	0.09	0.50	T				5.00	2400
LAUREL 2 E STOUDT	T	0.02		0.51			0.06				0.26	0.64		0.20	2.46	0.01			0.01						0.21	0.13	0.56	0.02				5.09	2400
PARKTON 5SW KREINK	0.01	0.05		0.37				T				1.01	0.02	T	2.70	0.09			T						0.03	0.06	2.01	0.01				6.36	2200
OWINGS MILLS 2SE SHARROW	T	0.04		0.04	T		T	T			0.20	0.51		0.17	2.08	0.04			T						T	0.04	0.20			T		3.32	2400
BALTIMORE 2SE MANFRE	T	T		0.53	T	T	0.05				0.18	0.81		0.21	2.29	0.12			T						T	0.08	0.32	T				4.59	1800
BALT INNER HARBOR MD SCIENCE CENTER	M	M	M	M	M	M	M	M	M	M	M	0.09		0.21	2.35	0.07			M	M	M	M	M	M		0.13	0.37					3.22	2400
MANCHESTER 1SW CLOSE	0.07	T		0.28	T	T	T	T			0.03	0.86		0.11	1.99	T								T	0.01	0.33	1.23	0.08	0.01			5.00	2300
WESTMINSTER 4 SSE HARTSOCK	0.06			0.10	T	T	T	T				0.94			2.30	0.03								0.01	0.02	T	2.52	0.08		0.01		6.07	2000
WESTMINSTER 5 SSE KLEIN	0.06	0.01		0.07								0.82		0.09	2.21	0.02									0.05		2.36	0.09				5.78	2200
MILLERS 4NE MILLER	0.04	0.06		0.36	T	T	T	T			T	0.94	0.01	T	1.98	0.09	T		0.01					T	0.03	0.05	1.42	0.03	0.02			5.04	1800
WESTMINSTER CITY MULLER	0.07			0.13	T	T	T					0.78		T	1.85	T			T					T	T	1.56		T	0.02			4.41	1900
BRYANS ROAD 2 ESE BRUMBACK	0.03	0.03		0.23		0.08					0.12	0.75		0.11	2.21										0.01		0.31	0.43				4.31	2400
EMMITTSBURG 2 SE GLASS		0.10		0.03								0.90	0.05		1.37	0.48	0.01										0.75		0.01			3.70	0700
																																0.0	EDT

ACON MD / DE / DC
APRIL 2007 DAILY PRECIPITATION

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	OBS TIME	
FREDERICK 3 WNW LAWRENCE																															2300 EDT		
EAGLE ROCK HARVEY		0.38		0.10	0.05 0.5	0.05 1.0	0.04 1.0	0.15 4.0	0.05 1.0	T T		0.77	0.01 0.1		1.55	0.10 2.0	1.20 8.0	0.02						0.01		0.05		T	0.02	0.01	4.56 17.6	0800 EST	
LAUREL JHU / APL GIANNOLA		0.01		0.26			0.04 0.4				0.06	0.61		0.17	2.08	T			T						T	T	0.31	0.02		3.56 0.4	2400 EDT		
POTOMAC 4N COHEN		0.12		0.06	T T		0.06 0.5				T	0.82		0.10	2.40	0.02			T						T		0.36	T		0.03	3.97 0.5	2100 EST	
OLNEY 1 S GIANNOLA				0.18	T T		0.05 0.5				>	0.93		>	2.52	>	0.03								0.06	T	0.43	0.01		0.01	4.22 0.5	2400 EDT	
MONTGOMERY VILLAGE ROTH 1SW		0.10		0.05			0.03				0.03	0.86		0.20	2.25	0.02									0.03		0.61				4.18 0.0	2400 EDT	
GLENMONT 1NNE ROSSEN	T	0.09		0.18		T T	0.08 0.8				0.21	0.50		0.25	2.39	0.01	T		T						0.01	0.01	0.41				4.14 0.8	2400 EST	
BETHESDA SCAFIDE		0.05		0.22			0.06				0.05	0.35		0.07	2.14												0.26				3.20 -	2400 EDT	
GAITHERSBURG 2WNW SHAW		0.07		0.03			0.02 0.2				0.20	0.58		0.22	2.02	0.02	T								0.04	0.07	0.40	0.01		0.02	3.70 0.2	2400 EDT	
FOREST GLEN TERRY		0.05		0.37	T T		0.09 0.9				0.14	0.63		0.25	2.44	0.01	T			T					0.02	T	0.38				4.38 0.9	2400 EDT	
ROCKVILLE 1NE WASH GAS LIGHT	T	0.04		0.07			0.03 0.3				0.18	0.56		0.50	1.90	T				T						0.05	0.35				3.68 0.3	2400 EDT	
OXON HILL SMITH	T			0.25			0.16 1.3				0.01	0.99		0.12	2.46	0.03	T		T					T		T	0.20	0.01			4.23 1.3	2300 EDT	
HOLLYWOOD ABELL	0.05			0.10			0.35 2.2		T		T	0.78		0.06	1.92	0.38			T							0.01	0.16	0.08			3.89 2.2	2359 EDT	
RIDGE ZYLA	0.06			0.01			0.51 4.0				T	0.85		0.16	1.72	0.33	T							0.10		0.01	0.30	0.04	0.05			4.14 4.0	2400 EDT
SMITHSBURG 1.5 SW HUTTO	0.06	0.09		0.03	T T	T T	T T	T T			0.04	0.93		0.21	1.91										0.01	0.04	0.16	0.19	0.02			3.69 T	2400 EDT
HAGERSTOWN 1E KEEFER	0.06	0.05		0.07	T T	T T	T T	T T			0.06	0.85	T	0.21	1.87	T			T							0.03	0.11	0.26	0.03		T	3.60 T	2400 EDT
SMITHSBURG 2 NE VAUGHN	0.03	0.08		0.04	T T		T T				0.06	0.78		0.24	1.69	0.04 0.1										0.04	0.09	0.25	0.04			3.38 0.1	2400 EDT
SALISBURY NWS WICOMICO CO APT	0.03						0.10 1.0				T	0.57		0.12	2.42	0.50	T		T								0.50	T			4.24 1.0	2400 EST	
WASH NATIONAL NWS ASOS	T	0.01		0.29		T T	0.09 0.4				0.27	0.74		0.15	2.41	T			T						T	0.04	0.17	T			4.17 0.4	2400 EST	
WASH DULLES NWS ASOS	T	0.05		0.06	T T	T T	0.01 0.2				0.26	0.54		0.25	1.93	0.01	T									0.09	0.18	T			3.38 0.2	2400 EST	
STERLING 4 N SHAFFER	T	0.13		0.04	T T	T T	0.03 0.5				0.26	0.60		0.24	2.34	0.01	T	T	T						0.05	0.05	0.28				4.03 0.5	2400 EDT	
DAVIS 3 SE WV LESHER	0.01	0.43		0.05	0.11 0.9	0.25 3.1	0.35 5.5	0.24 4.3	0.23 2.2	T T		0.49	0.06 0.7	T T	1.98 T	0.47 0.8	1.24 9.5	0.15 0.8							0.13	0.05	0.02	0.84	0.06	0.06	T	7.22 27.8	0700 EDT