



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

QUIET MARCH WITH NEAR NORMAL TEMPERATURES AND PRECIPITATION

After the coldest, snowiest February in years March's weather was a relief to all. There were no severe storms. Temperatures and precipitation averaged near normal while snowfall was below normal. Large temperature changes occurred throughout the month. The most noticeable was the 40 degree difference between the afternoon temperatures of the 29th and 30th. Temperatures averaged below normal the first half of the month while above normal the second half. East of the mountains temperatures generally remained above freezing from the 17th through the 30th. The snow cover, which was on the ground for a month, melted during the first week of the month east of the mountains. The water content of the melting snow cover was high. **Lynn Albright of Fallston 2 NW** 7" core sample on the 4th contained 2.61" of water. The brown grasses greened up quickly after the snow melted.

The month started off wet. A few snow flakes fell on the 1st while a general rain fell on the 2nd. Amounts were the heaviest east of I95 with the heaviest falling in Northern Delaware. A strong cold front moved through the region the night of the 2nd bringing winds and daytime temperatures in the 20's on the 3rd.

The next storm occurred on the 5th and 6th. Amounts were generally in the 0.25" to 0.75" range. Northern Delaware again received the heaviest amounts. **Jim Canavan of Wilmington 4 NNE** reported 1.03". Light snow and flurries fell on the morning of the 11th. Amounts up to 0.4" fell from **Smithsburg 2 NE** southeast to Salisbury. The 14th was sunny and cold with afternoon temperatures in the 40's.

Warmer air moved into the region on the 16th. Under sunny skies temperatures rose to the mid to upper 60's.

Temperatures broke the 70 degree mark for the first time in 2003 at the following ACON locations: **Wilmington 4 NNE DE 70, Bear 2 SW DE 70, Olney 1 S 70, Glenmont 1 NNE 71**, and at **Forest Glen 71**.

The 20th saw the heaviest rains of the month. A cold moderate to heavy rain fell during the daytime hours. The lightest rains fell in Western Maryland, Southern Delaware, and Maryland's lower Eastern Shore where amounts were a little more than half an inch. The following ACON observers reported more than 2 inches: **Jim Canavan of Wilmington 4 NNE 2.27"**, **Rich Giannola of JHU/APL 2.22"**, **Dan Hanson of Millersville 1 SE 2.08"**, **Joe Terry of Forest Glen 2.06"**, **Bill Hudelson of South Bowie 2.05"**, and **Brian Smith of Oxon Hill 2.04"**.

Sunny warm weather followed the storm of the 20th. The warmest day of the month was the 26th at many stations. The first 80 degree reading was observed by **Jug Bay Wetlands**. Temperatures again rose above the 70 degree mark on the 29th.

A "back-door" cold front moved southwest through the region the evening of the 29th bringing with it much colder temperatures and a cold rain. The rain changed to sleet and then wet snow west of the Chesapeake Bay Sunday morning. Daytime temperatures on the 30th were as much as 40 degrees colder that they were on the 29th. The heaviest snowfall was the 11.0" reported by **Rebecca Harvey of Eagle Rock**. **Jim Vaughn of Smithsburg 2 NE** and **Greg Latta of Frostburg** each reported 5.8", **Herb Close of Manchester 1 SW** 5.0". Snowfall totals would had been greater if not for the temperatures in the lower to mid 30's and that it fell during daylight hours. This was one of the heaviest snowfalls for many stations so late in the season. Baltimore BWI NWS reported a daily record 2.6". Snow flurries and squalls were scattered across the region on the 31st which was the coldest day in almost three weeks.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Jug Bay Wetlands	80
Glenmont	79
Hollywood	79

MINIMUM TEMPERATURE

Eagle Rock	0
Frostburg	2
Fallston 2 NW	8
Smithsburg 2 NE	8

WARMEST AVG. TEMP.

Oxon Hill	47.2
Ridge	47.0

COLDEST AVG. TEMP.

Frostburg	37.6
Hanover 2 S	39.7

MAXIMUM PRECIPITATION

South Bowie	5.07
Bear 2 SW DE	4.94
Laurel JHU/ALP	4.93

MINIMUM PRECIPITATION

Frostburg	2.60
Eagle Rock	3.01
LaVale	3.10

MAXIMUM SNOW

Eagle Rock	13.1
Smithsburg 2 NE	6.3
Frostburg	6.0

MINIMUM SNOW

U of D RES Georgetown DE	0.0
3 Stations	T

MEMBER NEWS

Bill Hudelson of South Bowie was hospitalized on March 27th for a ruptured appendix. **Mike Van Wie of Orville** is unable to submit data this year due to traveling, but still wishes to remain a member and on our distribution lists.

OBSERVER COMMENTS FOR MARCH 2003

Gary Gallaher of Bear 2 SW, DE

Minimum temperature fell to freezing or below on only one day after the 15th. Only measurable snow fell in a snow squall the evening of the 31st. Winds were "light" for March. Average wind speed was the lowest on record for March (period of record 1991-2003).

Nate Mullins of LaVale

25th -- Warm, high of 77.

Dave Bryant of St Margarets

7th -- By this time snow was finally off the ground after 1 month - very unusual for here.

26th -- Temperature dropped 20 degrees - from 71 degrees at 3 PM to 51 degrees at 5 PM.

Dan Hanson of Millersville 1 SE

The highlight was the early spring snow of the 30th & 31st. 1.5" of snow fell on the 30th making it the largest snow for so late in the snow season.

Jeff Stoudt of Laurel 2 E

6th -- Rain AM ended mixed with sleet.

29th -- Showers evening thunder.

31st -- Afternoon flurries.

Al Kreinik of Parkton 5 SW

1st-- Light snow early AM, heavy fog visibility <1/4 mile.

20th -- Moderate rain, water around and under shelter.

30th -- Early rain, sleet then snow moderate at times, occasional heavy with large flakes.

Marty Sharrow of Owings Mills

2nd -- Early light rain, then partly cloudy, windy, & milder.

14th -- Azure blue skies and much cooler.

15th -- Azure blue skies and much warmer.

Joe Manfre of Baltimore 2SE

20th -- Cloudy, cold heavy rain.

Herb Close of Manchester 1 SW

3rd -- Temperatures stayed in the teens and 20's during the day. A brief snow squall occurred 12:30 AM-1 AM.

Ralph Hartsock of Westminster 4 SSE

11th -- Cloudy, snow showers then clearing.

12th -- Ice fog early, then partly cloudy and milder.

20th -- Rain, heavy and steady all day.

27th -- Frosty start, then sunny and mild.

Bobby Miller of Millers 4 NE

12th -- Rime fog at 6AM, visibility zero.

17th -- Dense fog in evening.

20th -- Moderate to heavy rain, minor local flooding of creeks and streams.

29th -- Distant thunder to the SW at observation time.

Manuel Farfan of Frederick 4 N

7th -- Dangerous black ice due to the rain and melting snow.

11th -- Periods of snow from 9 AM—12 PM with a heavy snow band from 10 AM - 11 AM and low visibilities.

Lynn Albright of Fallston 2 NW

4th -- 7" snow cover contained 2.61" of water.

Rebecca Harvey of Eagle Rock

9th -- 24" snow cover with 6 foot drifts.

Rich Giannola of JHU/APL OF Laurel

8th -- Perihelia 4:40 PM.

29th -- Thunder heard from 6:02-6:05 PM with one lightning flash at 6:02 PM. Thunder also heard at 7:48 PM.

Rob Cohen of Potomac 4 N

3rd -- Cold! Daytime high only 24 degrees.

7th -- 30 consecutive days with snow cover.

21st -- Thunder 6 PM

30th -- Cold, daytime high 35 degrees, rain to snow 1.0".

Kevin Shaw of Gaithersburg 2 WNW

A little warmer than normal breaking the pattern that held nicely through out the winter. Late month surprise snow still didn't catch us up to normal, reversing the trend of this past winter.

Joe Terry of Forest Glen

8th -- Snow cover now gone after 30 consecutive days of a Trace or more.

20th -- Continuous moderate to heavy rain.

30th -- Falling AM temperatures resulting in rain changing to snow shortly after dawn. Wet snow continued most of the rest of the day partially melting as it fell with no additional accumulation after 1400. Afternoon temperatures 40 degrees colder than 24 hours earlier.

Bill Hudelson of South Bowie

18th -- Dense fog during night, sun dogs 1520 hours.

22nd -- Dense fog during the night.

29th -- Evening thunderstorm.

Brian Smith of Oxon Hill

4th -- First day with non-measurable snow on the ground since February 6th.

Floyd Abell of Hollywood

3rd -- Daytime high 32 degrees, windy at times.

11th -- AM snow, afternoon clearing.

13th, 29th, 30th -- Thunder each day.

John Zyla of Ridge

Nine (9) days of fog, a station record for any month.

13th & 29th -- Thunder each day.

Greg Keefer of Hagerstown 1 E

20th -- Cold temperatures in the 30's with rain, moderate to heavy at times.

29th -- Brief thunderstorm 1-1:30 PM with winds to 31 mph.

Jim Vaughn of Smithsburg 2 NE

Three days with winds >=50 MPH.

30th -- 5.8" of snow, heaviest to fall during astronomical spring in station history.

Robert Rickell of Hanover 2 S PA

6th -- Sleet and ice.

30th -- Thunder

31st -- Rain changed to sleet by 5 AM and then to wet snow by 7 AM.

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
MARCH 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	SEA-SON
<u>New Castle, Delaware</u>																									
Canavan, Jim	Wilmington 4 NNE	52.4	31.7	42.1	73	26	9	4	0	2	13				4.84	2.23	20	<u>11.52</u>	8	1	T	T	1+	51.2	2400
Gallaher, Gary	Bear 2 SW	53.5	31.3	42.4	73	29	11	3+	0	1	15	38	NNW	26	4.94	1.81	20	13.54	13	1	0.1	0.1	31	56.5	2400
NWS Wilmington	New Castle Co. Apt.	52.7	32.8	42.8	73	29	16	4	0	1	15	37	WNW	3	4.75	1.94	20	11.79	12	1	T	T	1+	46.0	2400
U of D DE Climatologist	Newark Pearson Hall	53.7	35.2	44.5	72	26+	15	3	0	1	12	35		3	3.70	1.54	20	10.06	15	1					2400
<u>Sussex, Delaware</u>																									
NWS Georgetown	Sussex Co. Airport	56.0	35.7	45.9	75	26+	18	4	0	0	12	35	SSW	29	3.49	0.52	16	9.71	14	0					2400
U of D Research & Ed Ctr	Georgetown	56.4	35.6	46.0	74	26+	18	4	0	0	12				3.99	1.23	16	<u>9.67</u>	13	1	0.0	0.0		26.3	2400
U of D Warrington Farm	Harbeson	55.2	34.5	44.9	76	26	17	4	0	0	12				3.41	0.81	29	<u>9.01</u>	12	0				<u>2.4</u>	2400
<u>Allegany, Maryland</u>																									
Latta, Greg	Frostburg	48.4	26.7	37.6	74	26	2	4	0	4	19				2.60	0.94	21	10.94	10	0	6.0	3.7	30	90.3	0700
Mullins, Nate	LaVale	52.3	30.4	41.4	77	25	12	3	0	0	19				3.10	1.40	20	10.59	9	1	3.8	3.5	30	65.3	2400
<u>Anne Arundel, Maryland</u>																									
Bryant, Dave	St. Margarets	53.0	33.1	43.1	71	26	18	3+	0	0	13				4.37	1.77	20	13.63	14	1	0.3	0.3	30	47.7	2100-P 2400-T
Hanson, Dan	Millersville 1 SE	54.4	31.4	42.9	74	26	15	3+	0	0	17	36	NW	2	4.78	2.05	20	15.05	13	1	1.5	1.5	30	52.8	2400
Jug Bay Wetlands	Lothian	56.0	34.0	45.0	80	27	17	4	0	1	12				4.04	1.54	21	13.14	14	1	0.2	0.2	13	<u>28.2</u>	0900
NWS Baltimore	BWI Airport	54.6	33.1	43.9	75	26	17	3	0	0	14	36	W	31	4.17	1.83	20	13.46	12	1	2.6	2.6	30	58.2	2400
Stoudt, Jeff	Laurel 2 E	-	-	-	-	-	-	-	-	-	-				4.18	1.86	20	14.84	12	1	0.7	0.7	30	53.1	2400
<u>Baltimore, Maryland</u>																									
Kreinik, Al	Parkton 5 SW	53.6	30.5	42.1	72	26	10	4	0	1	18	45	NW	26	4.11	1.78	20	13.26	11	1	1.6	1.5	30	62.6	2200
Sharrow, Marty	Owings Mills 2 SE	52.6	30.6	41.6	74	26	12	4	0	1	17	34		10	4.44	1.82	20	10.82	12	1	2.5	2.5	30	62.9	2400
<u>Baltimore City, Maryland</u>																									
Manfre, Joe	Baltimore 2 SE	54.5	37.7	46.1	71	26	22	3	0	0	10				4.63	1.81	20	15.30	13	1	T	T	11+	56.3	1800
Maryland Science Ctr	Baltimore Inner Harbor	54.0	37.2	45.6	71	26	20	3	0	0	12				4.41	1.82	20	14.62	12	1					2400
<u>Carroll, Maryland</u>																									
Close Jr, Herb	Manchester 1 SW	53.0	30.9	42.0	71	25+	11	3+	0	1	15	33		3+	3.42	1.55	20	11.64	13	1	5.4	5.0	30	68.5	2300
Hartsock, Ralph	Westminster 4 SSE	54.5	30.9	42.7	73	26	10	4	0	1	17				3.76	1.79	20	11.84	11	1	2.8	2.8	30	62.6	2100
Klein, Greg	Westminster 5 SSE	50.4	29.4	39.9	68	26+	9	4	0	2	17				3.64	1.60	20	11.79	10	1	3.0	3.0	30	67.5	2200
Miller, Bobby	Millers 4 NE	53.7	31.5	42.6	70	25	10	4	0	0	14	38	NW	9	3.57	1.39	20	11.94	14	1	3.4	3.0	30	65.9	1800
<u>Frederick, Maryland</u>																									
Farfan, Manuel	Frederick 4 N	53.5	31.3	42.4	74	29	14	3+	0	0	14				3.28	1.64	20	12.95	10	1	2.3	1.9	30	57.0	2400
<u>Garrett, Maryland</u>																									
Harvey, Rebecca	Eagle Rock	52.0	28.5	40.3	71	26	0	3	0	3	18				3.01	0.72	6	15.85	13	0	13.1	7.0	30	188.9	0800
<u>Harford, Maryland</u>																									
Albright, Lynn	Fallston 2 NW	54.7	29.4	42.1	76	26	8	3+	0	0	18				4.51	2.00	20	13.32	11	1	0.5	0.5	30	54.3	2400

**ACON MD /DE / DC
MARCH 2003 SUMMARY**

OBSERVER	STATION COUNTY, STATE	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		
<u>Howard, Maryland</u>																											
Giannola, Rich	Laurel JHU / APL	55.8	33.4	44.6	78	26	16	3+	0	0	13	38	WNW	31	4.93	2.15	20	15.70	13	1	1.0	1.0	30	58.7	2400		
<u>Montgomery, Maryland</u>																											
Cohen, Rob	Potomac 4 N	57.0	34.8	45.9	76	25	16	3	0	0	11				4.11	1.82	20	14.04	13	1	1.0	1.0	30	52.0	2100		
Giannola, Rich	Olney 1 S	56.2	32.5	44.4	77	26	15	3	0	0	14				3.90	1.75	20	13.88	13	1	1.1	1.1	30	58.9	2400		
Roth, David	Montgomery Village 1SW	55.8	34.2	45.0	77	29	17	3	0	0	12	22		9+	3.76	1.81	20	13.64	12	1	0.9	0.9	30	52.5	2400		
Rossen, Stan	Glenmont 1 NNE	57.3	33.0	45.2	79	26	16	4	0	0	12				4.10	1.80	20	14.89	13	1	1.2	1.0	30	58.0	2400		
Scafide, Tony	Bethesda	57.4	33.7	45.6	78	26	15	3	0	0	14	21		13	4.30	1.92	20	<u>11.74</u>	15	1					2400		
Shaw, Kevin	Gaithersburg 2 WNW	55.8	31.1	43.5	75	25	12	3	0	0	14				4.02	1.73	20	13.61	12	1	1.8	1.8	30	59.0	2400		
Terry, Joe	Forest Glen	57.9	35.1	46.5	77	26	18	3	0	0	12	40	WSW	31	4.41	2.01	20	15.34	13	1	0.8	0.8	30	50.9	2400		
Wash Gas Light	Rockville 1 NE	55.1	33.8	44.5	75	25	14	3	0	1	14				3.72	1.85	20	<u>11.21</u>	11	1	1.2	1.2	30	57.8	2400		
<u>Prince Georges, Maryland</u>																											
Hudelson, Bill	South Bowie	55.7	33.9	44.8	78	26	17	4	0	0	14	32	NW	3	5.07	2.03	20	15.71	14	1	0.3	0.3	30	41.0	2400		
Smith, Brian	Oxon Hill	58.9	35.5	47.2	78	26	19	3	0	0	13				4.40	2.02	20	14.92	14	1	0.3	0.2	30	42.5	2000		
<u>St. Marys, Maryland</u>																											
Abell, Floyd	Hollywood	57.5	35.7	46.6	79	26	19	4	0	0	11	35		26	4.63	1.86	20	12.61	13	1	0.2	0.2	11	32.9	2400		
Van Wie, Michael	Oraville																							<u>4.1</u>	2400		
Zyla, John	Ridge	55.9	38.1	47.0	78	26	22	4	0	1	11	41	NE	26	3.79	1.20	20	11.54	14	1	T	T	11	28.8	2400		
<u>Washington, Maryland</u>																											
Keefer, Greg	Hagerstown 1 E	53.3	30.3	41.8	74	25	10	3	0	0	17	36	NW	31	3.56	1.62	20	10.99	8	1	2.2	2.0	30	58.9	2400		
Vaughn, Jim	Smithsburg 2 NE	53.5	31.9	42.7	74	29	8	3	0	1	14	59	SSW	8	3.72	1.63	20	12.41	9	1	6.3	5.8	30	67.0	2000		
<u>Wicomico, Maryland</u>																											
NWS Salisbury	Wicomico Co. Apt	57.3	34.1	45.7	75	26+	17	4+	0	0	13	41	N	6	4.89	1.13	16	12.51	14	1	0.4	0.4	11	19.1	2400		
<u>York, Pennsylvania</u>																											
Rickell, Robert	Hanover 2 S, PA	50.8	28.6	39.7	70	29	10	3	0	2	22				4.43	1.76	20	13.31	11	1	4.4	4.0	30	67.6	2100		
<u>Arlington, Virginia</u>																											
NWS Washington Nationa	National Airport	57.0	37.2	47.1	76	26	20	3	0	0	12	44	NNW	26	4.20	1.95	20	12.06	13	1	0.1	0.1	1	40.4	2400		
<u>Loudon, Virginia</u>																											
NWS Washington Dulles	Dulles Airport	56.0	32.2	44.1	76	25+	14	3+	0	0	14	40	WNW	31	3.71	1.81	20	11.53	13	1	1.9	1.8	30	50.1	2400		
SECTION AVERAGE		54.6	32.8	43.8											4.06						2.1						

NOTES:

M OR UNDERLINE DATA = MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

GARY GALLAHER 4/27/03

**ACON MD / DE / DC
MARCH 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	37	46	23	40	46	43	33	48	51	31	36	52	56	42	57	70	69	68	50	50	55	65	60	64	67	73	63	63	68	55	44	52.4	2400	
CANAVAN	30	35	15	9	30	35	15	21	35	16	14	26	35	23	24	34	52	48	37	33	44	40	39	40	36	43	33	35	50	29	27	31.7	EST	
BEAR 2 SW, DE	38	47	38	40	53	41	34	48	54	32	38	53	60	42	57	70	71	68	49	58	54	66	60	62	64	72	62	57	73	53	43	53.5	2400	
GALLAHER	30	35	11	11	30	26	16	20	27	19	14	23	31	26	25	33	51	44	36	36	48	43	40	39	34	38	35	35	50	34	31	31.3	EST	
WILMINGTON , DE	37	44	38	37	53	44	34	46	53	32	35	53	58	40	53	67	70	69	50	56	55	65	60	61	62	71	60	60	73	54	43	52.7	2400	
NWS NEW CASTLE CO APT	31	34	17	16	31	25	20	25	26	20	17	26	31	26	27	37	50	42	36	36	50	45	39	42	38	43	35	38	50	34	30	32.8	EST	
U of D DE Climatologist	M	47	39	39	53	42	34	50	54	31	38	52	58	43	55	67	69	68	48	58	55	65	61	64	63	72	60	59	72	54	42	53.7	2400	
Newark Pearson Hall	31	36	15	M	33	27	20	29	26	23	30	29	35	26	29	36	54	48	36	36	49	45	45	43	39	44	38	38	51	34	31	35.2	EST	
GEORGETOWN, DE	44	56	40	47	64	50	36	55	63	38	36	60	60	41	61	68	62	60	45	61	64	66	63	61	67	75	59	60	75	56	44	56.0	2400	
NWS SUSSEX CO APT	32	38	20	18	41	30	26	27	32	23	21	35	39	27	25	39	49	41	38	40	56	47	42	40	36	48	41	38	52	35	32	35.7	EST	
GEORGETOWN, DE	45	56	41	49	65	51	36	55	64	38	36	59	60	43	60	68	64	61	46	62	65	67	63	63	67	74	59	60	74	56	45	56.4	2400	
UoD RESEARCH & ED CTR	32	38	20	18	38	30	26	26	30	22	20	35	39	28	25	38	50	41	38	40	55	47	42	41	36	47	39	38	54	35	31	35.6	EST	
HARBESON, DE	43	57	40	47	64	50	36	52	64	38	36	60	58	38	57	67	61	58	44	60	65	67	63	58	65	76	56	58	75	55	44	55.2	2400	
UoD WARRINGTON FARM	30	37	18	17	42	30	25	26	31	22	18	35	38	27	24	36	48	40	38	39	55	47	40	37	33	47	36	35	52	34	32	34.5	EST	
FROSTBURG	29	36	38	23	42	52	35	36	55	33	26	42	52	54	46	58	64	66	63	47	36	59	56	M	65	74	47	62	61	66	28	48.4	0700	
LATTA	20	27	3	2	12	32	21	21	31	12	12	17	39	25	25	27	37	40	43	30	30	36	35	33	M	42	33	34	39	27	17	26.7	EST	
LAVALE	42	44	38	46	56	38	37	52	42	34	42	56	57	44	55	66	69	66	56	38	54	60	58	68	77	53	66	65	61	42	39	52.3	2400	
MULLINS	31	32	12	16	29	29	27	22	20	19	12	24	33	27	25	32	39	47	42	33	36	42	35	31	42	44	29	36	42	32	21	30.4	EST	
ST MARGARETS	38	50	39	41	53	43	35	48	56	39	38	49	63	41	51	67	61	66	50	53	53	64	65	63	63	71	61	57	66	52	48	53.0	2400	
BRYANT	32	34	18	18	35	27	22	22	28	20	20	28	35	28	26	35	51	45	38	38	45	41	40	40	40	43	36	38	41	33	28	33.1	EST	
MILLERSVILLE 1SE	38	51	41	42	62	41	34	51	56	37	42	54	63	43	56	66	63	67	47	54	53	68	63	64	67	74	64	56	70	53	45	54.4	2400	
HANSON	31	34	15	15	31	26	19	21	28	20	17	24	32	26	24	32	52	45	37	36	43	39	37	38	36	41	33	33	50	32	27	31.4	EST	
LOTHIAN	41	42	54	32	47	68	42	36	58	M	61	34	42	68	45	60	69	64	58	48	58	56	68	67	66	73	80	65	68	73	38	56.0	0900	
JUG BAY	32	35	20	17	29	40	21	22	33	M	20	29	25	29	21	34	52	54	42	38	40	39	39	38	35	50	34	35	49	38	30	34.0	EST	
BALTIMORE	38	48	40	41	60	45	34	53	55	36	43	59	63	43	59	67	62	67	49	55	55	66	62	63	68	75	63	56	70	53	45	54.6	2400	
NWS BWI APT	32	34	17	17	34	28	23	22	28	22	19	23	33	28	27	32	54	49	38	37	42	42	39	43	38	42	35	35	52	33	29	33.1	EST	
LAUREL 2 E																																		
STOUDT																																		
PARKTON 5SW	37	48	38	41	57	45	35	51	52	32	37	52	60	42	59	67	64	69	51	51	56	66	65	65	68	72	65	60	65	50	42	53.6	2200	
KREINIK	31	34	14	10	32	26	13	19	27	19	13	23	32	25	26	31	50	43	37	34	43	42	35	36	36	42	32	33	50	32	27	30.5	EST	
OWINGS MILLS 2SE	36	48	37	42	57	44	35	51	50	32	38	53	59	41	56	65	59	66	51	51	55	63	61	64	67	74	65	56	67	49	39	52.6	2400	
SHARROW	30	33	14	12	32	24	14	19	25	16	14	23	33	23	24	32	50	48	36	32	40	41	40	39	38	42	33	36	49	31	25	30.6	EST	
BALTIMORE 2SE	38	51	42	42	58	49	36	52	56	35	42	58	63	42	60	66	62	67	50	50	52	67	65	62	68	71	62	56	71	53	44	54.5	1800	
MANFRE	33	36	22	23	37	33	22	30	34	24	26	30	42	29	32	41	55	56	40	38	40	47	48	48	48	47	42	45	55	34	31	37.7	EST	
BALT INNER HARBOR	39	51	42	41	57	50	35	50	56	35	40	52	63	42	53	66	63	67	50	55	54	67	64	62	67	71	61	56	69	53	44	54.0	2400	
MD SCIENCE CENTER	33	36	20	22	37	29	23	31	29	25	26	30	39	29	32	41	55	50	38	37	45	48	48	48	46	48	44	45	53	35	31	37.2	EST	
MANCHESTER 1SW	36	50	36	39	54	46	33	54	50	31	38	54	59	43	58	67	62	67	51	48	57	63	62	65	71	71	64	61	66	48	40	53.0	2300	
CLOSE	29	34	11	11	34	22	14	23	22	17	16	26	33	21	26	39	51	50	33	32	40	45	39	39	40	38	35	39	48	28	22	30.9	EST	
WESTMINSTER 4 SSE	43	49	39	43	60	47	34	50	52	29	43	57	62	46	55	68	66	68	57	47	60	63	61	62	68	73	61	61	72	54	41	54.5	2100	
HARTSOCK	31	34	13	10	32	24	13	20	27	18	14	23	35	23	24	33	51	46	39	32	41	42	42	39	38	41	31	38	49	31	24	30.9	EST	
WESTMINSTER 5 SSE	36	45	35	38	55	45	31	45	47	27	37	53	59	37	53	64	63	65	51	44	57	59	57	58	65	68	57	58	68	50	34	50.4	2200	
KLEIN	29	32	11	9	31	23	11	20	23	15	14	22	34	21	22	34	49	49	34	31	39	42	37	37	36	39	33	36	48	29	22	29.4	EST	
MILLERS 4NE	37	48	42	41	54	49	35	52	48	34	38	52	58	42	58	68	61	68	59	48	57	61	60	63	70	69	64	63	67	59	39	53.7	1800	
MILLER	28	34	12	10	33	27	12	20	34	18	13	25	37	23	28	36	50	45	39	33	42	45	37	37	40	43	32	37	50	32	25	31.5	EST	
FREDERICK 4 N	39	48	38	42	54	45	35	52	50	33	45	50	61	42	60	67	64	67	53	44	54	64	62	64	73	71	65	58	74	48	41	53.5	2400	
FARFAN	33	34	14	14	31	27	17	21	26	19	17	29	36	26	26	32	48	45	38	35	39	42	38	35	36	39	33	37	46	32	28	31.3	EST	
EAGLE ROCK	38	50	39	30	50	49	39	40	60	32	32	40	50	59	50	62	69	69	61	48	52	66	52	49	64	71	46	68	69	66	42	52.0	0800	
HARVEY	30	36	0	4	20	33	20	20	32	8	10	18	39	22	30	40	40	44	40	30	30	36	42	32	40	42	32	38	40	22	13	28.5	EST	
FALLSTON 2 NW	39	51	37	40	61	42	40	51	52	34	39	54	62	42	53	69	68	69	49	55	58	67	63	66	67	76								

**ACON MD / DE / DC
MARCH 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	
LAUREL JHU / APL	38	51	39	45	64	47	43	58	55	35	43	59	64	47	59	69	61	71	48	49	55	66	62	67	72	78	65	55	73	50	43	55.8	2400	
GIANNOLA	31	34	16	16	35	26	19	21	26	21	20	27	35	26	28	36	53	48	36	35	41	48	45	45	40	43	36	38	50	32	28	33.4	EST	
POTOMAC 4N	38	50	40	45	60	46	40	58	56	38	48	57	68	48	63	68	63	72	57	48	55	66	64	68	76	74	69	60	74	53	44	57.0	2100	
COHEN	33	36	16	18	34	29	22	24	35	22	22	27	36	27	29	36	56	52	39	38	41	40	44	41	41	46	36	44	53	33	29	34.8	EST	
OLNEY 1 S	>	48	38	42	57	42	39	54	54	37	45	59	67	46	60	70	63	71	53	48	55	66	64	67	73	77	66	57	73	50	45	56.2	2400	
GIANNOLA	>	32	15	16	33	26	18	21	27	19	20	27	36	25	28	35	53	51	36	35	40	41	39	39	41	42	34	37	50	32	27	32.5	EST	
MONTOGMEY VILLAGE	40	49	39	44	58	43	39	56	53	36	45	57	66	46	61	68	63	70	52	49	57	66	63	66	74	74	66	59	77	51	44	55.8	2400	
ROTH 1SW	34	36	17	18	35	28	21	23	26	24	22	30	36	27	30	36	53	51	38	37	42	40	41	40	42	44	36	41	51	33	29	34.2	EST	
GLENMONT 1NNE	39	51	39	46	63	42	42	59	55	39	47	60	67	50	63	71	62	71	50	49	56	68	66	68	76	79	69	57	75	50	48	57.3	2400	
ROSSEN	33	35	17	16	33	27	21	22	28	21	21	26	34	27	27	33	54	50	38	37	42	39	39	39	38	43	34	36	50	33	29	33.0	EST	
BETHESDA	40	51	41	44	61	46	41	57	59	40	47	59	69	49	60	69	65	73	53	50	57	67	65	69	74	78	67	59	74	53	46	57.4	2400	
SCAFIDE	31	34	15	18	35	27	21	23	28	22	22	28	38	26	28	38	53	52	37	36	39	42	44	40	42	43	35	40	50	31	27	33.7	EST	
GAITHERSBURG 2WNW	38	50	34	45	57	42	40	56	54	38	46	56	66	50	64	68	63	70	50	47	58	67	64	70	75	74	68	59	73	45	43	55.8	2400	
SHAW	31	34	12	15	33	22	15	19	30	20	17	25	33	24	26	35	53	48	38	37	40	35	40	35	37	38	33	37	45	30	28	31.1	EST	
FOREST GLEN	40	55	40	46	65	46	41	59	60	41	46	60	69	49	62	71	64	73	50	49	57	69	65	69	75	77	68	58	75	50	47	57.9	2400	
TERRY	33	36	18	20	38	28	22	25	29	23	25	29	38	28	30	39	54	50	38	37	42	42	44	42	43	44	37	42	50	33	29	35.1	EST	
ROCKVILLE 1NE	40	48	27	46	59	46	38	56	53	36	45	58	66	47	61	67	63	71	51	50	57	65	61	67	75	73	64	55	71	49	42	55.1	2400	
WASH GAS LIGHT	32	34	14	19	34	27	20	22	27	21	21	30	37	27	30	33	52	50	37	36	40	46	46	43	43	42	35	40	49	32	28	33.8	EST	
SOUTH BOWIE	40	50	39	44	62	44	36	54	57	37	42	60	64	43	58	66	62	68	48	54	60	66	68	64	71	78	64	60	72	52	43	55.7	2400	
HUDELSON	31	35	18	17	36	28	22	25	28	20	21	27	38	30	27	36	54	48	39	38	44	42	42	42	38	44	36	38	52	30	28	33.9	EST	
OXON HILL	43	53	42	49	68	51	39	60	61	41	47	63	73	48	62	68	64	71	52	51	58	69	65	68	76	78	68	59	77	56	46	58.9	2000	
SMITH	33	36	19	21	40	29	24	24	32	24	25	29	41	28	28	39	54	49	39	37	42	42	45	41	42	47	37	39	54	32	30	35.5	EST	
HOLLYWOOD	42	54	42	48	70	52	35	58	66	43	41	62	66	44	55	64	61	68	51	58	60	67	64	63	71	79	63	59	73	55	47	57.5	2359	
ABELL	32	36	24	19	41	31	27	24	33	27	22	32	42	33	27	37	53	47	39	39	48	38	38	41	39	45	38	37	55	34	30	35.7	EST	
ORAVILLE																																		2400
VAN WIE																																		EST
RIDGE	42	56	31	45	69	57	36	49	68	43	41	56	63	44	54	59	62	66	51	56	61	65	59	63	65	78	61	60	72	53	49	55.9	2400	
ZYLA	33	40	23	22	39	30	28	28	31	27	33	36	38	32	30	48	52	43	39	41	50	45	48	45	44	48	43	50	52	31	31	38.1	EST	
HAGERSTOWN 1E	37	44	36	40	53	41	36	51	48	34	45	56	59	44	61	69	67	67	53	39	60	64	62	65	74	65	65	60	73	45	40	53.3	2400	
KEEFER	31	34	10	14	32	25	16	20	26	20	16	26	34	26	27	26	43	45	35	34	38	43	37	33	41	37	31	37	45	31	27	30.3	EST	
SMITHSBURG 2 NE	40	47	35	42	52	46	35	51	50	30	43	54	59	42	58	69	68	66	55	40	62	63	61	65	73	68	65	60	74	47	39	53.5	2000	
VAUGHN	30	35	8	20	35	25	15	21	23	21	17	29	37	23	27	38	49	46	36	33	36	47	38	37	49	41	33	40	47	28	24	31.9	EST	
SALISBURY	48	56	41	49	63	56	38	57	65	41	36	59	64	43	60	67	62	63	48	60	67	68	63	63	66	75	60	62	75	55	46	57.3	2400	
NWS WICOMICO CO APT	32	38	18	17	41	31	27	25	32	19	17	34	39	27	22	34	51	42	38	40	56	46	38	35	31	47	33	33	49	34	30	34.1	EST	
HANOVER 2 S, PA	36	43	35	37	52	38	32	49	49	28	39	51	58	38	56	66	60	65	48	44	54	61	60	61	69	64	64	61	70	49	39	50.8	2100	
RICKELL	26	32	10	12	30	24	12	18	24	17	14	25	30	21	26	32	45	42	35	32	38	39	35	32	40	34	31	32	49	28	23	28.6	EST	
WASH NATIONAL	40	52	42	46	68	49	38	57	61	40	44	59	69	45	59	67	63	70	50	51	58	67	65	67	71	76	65	58	72	53	45	57.0	2400	
NWS ASOS	33	36	20	23	38	30	25	29	31	26	29	32	41	30	32	43	53	50	39	39	42	43	47	45	46	47	41	44	53	34	31	37.2	EST	
WASH DULLES	38	49	39	44	61	44	39	57	55	38	46	56	69	46	61	67	64	71	51	45	57	66	63	67	76	75	65	59	76	49	44	56.0	2400	
NWS ASOS	32	34	14	14	33	28	20	21	28	19	20	29	33	28	28	34	50	51	38	37	40	36	41	36	38	39	33	35	49	32	27	32.2	EST	

**ACON MD / DE / DC
MARCH 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	T	0.72			0.38	0.65					T									2.23	0.04					0.25			0.12	0.45		4.84	2400 EST
BEAR 2 SW, DE GALLAHER	T	0.78	T		0.26	0.51					T		0.01			0.20	0.20		T	1.81	0.07					0.32		0.16	0.20	0.41	0.01	4.94	2400 EST
WILMINGTON , DE NWS NEW CASTLE CO APT	T	0.78	T		0.32	0.49							0.02			0.10	0.07			1.94	0.05					0.27		0.08	0.27	0.36	T	4.75	2400 EST
U of D DE Climatologist Newark Pearson Hall		0.46	0.01		0.16	0.31							0.01	0.01		0.14	0.12			1.54	0.03					0.26		0.11	0.18	0.35	0.01	3.70	2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT	0.02	0.36			0.42	0.52					0.04		0.03			0.52	0.03			0.48	0.07					0.20		0.01	0.47	0.32	T	3.49	2400 EST
GEORGETOWN, DE UoD RESEARCH & ED CTR	0.01	0.33			0.37	0.49					0.06		0.03			1.23	0.13			0.50	0.05					0.17			0.37	0.25		3.99	2400 EST
HARBESON, DE UoD WARRINGTON FARM		0.24			0.44	0.41					0.08		0.04			0.31				0.44	0.03					0.13		0.01	0.81	0.47		3.41	2400 EST
FROSTBURG LATTA	0.02		T		T	0.43	0.25		T					0.25						0.13	0.94	0.05					0.06		T	0.35	0.12	2.60	0700 EST
LAVALE MULLINS	0.01		T		T	0.76			0.01					0.25						1.40	0.01					0.13			0.18	0.35	T	3.10	2400 EST
ST MARGARETS BRYANT		0.69			0.10	0.31					0.01		0.01	0.02		T	0.16	T		1.77	0.07					0.32		0.19	0.26	0.44	0.02	4.37	2100 EST
MILLERSVILLE 1SE HANSON	0.29	0.47			0.10	0.30							0.06			0.03	0.06			2.05	0.03					0.50		0.11	0.07	0.71	T	4.78	2400 EST
LOTHIAN JUG BAY	0.03	0.72			0.09	0.22	0.11	T		M			0.02	0.01			0.03	T		0.28	1.54	T	T				0.28	0.03		0.24	0.44	4.04	0900 EST
BWI NWS ASOS	T	0.46			0.07	0.43					T		0.09			0.05	0.06		T	1.83	0.01					0.31		0.13	0.29	0.44	T	4.17	2400 EST
LAUREL 2 E STOUDT	T	0.44			0.10	0.45					T		0.12			0.01	0.05			1.86	0.02					0.32		0.14	0.19	0.48	T	4.18	2400 EST
PARKTON 5SW KREINIK	0.01	0.21	T			0.44					T		0.09				0.10	T		1.78	0.05	T				0.44		0.01	0.27	0.71	T	4.11	2200 EST
OWINGS MILLS 2SE SHARROW	T	0.27			0.01	0.55					T		0.11				0.09		T	1.82	0.05					0.34		0.04	0.55	0.60	0.01	4.44	2400 EST
BALTIMORE 2SE MANFRE	T	0.48			0.07	0.57					T		0.12			0.07	0.08			1.81	0.01					0.35		0.12	0.43	0.51	0.01	4.63	1800 EST
BALT INNER HARBOR MD SCIENCE CENTER		0.51			0.07	0.54							0.11			0.09	0.05			1.82						0.36		0.10	0.28	0.47	0.01	4.41	2400 EST
MANCHESTER 1SW CLOSE	0.02	0.15	0.01		T	0.32					0.01		0.09			T	0.01		T	1.55	0.02					0.36		0.04	0.10	0.74	T	3.42	2300 EST
WESTMINSTER 4 SSE HARTSOCK	T	0.20				0.31					0.01		0.06				0.02			1.79	0.05					0.40		0.06	0.29	0.57		3.76	2100 EST
WESTMINSTER 5 SSE KLEIN		0.21				0.33							0.10				0.04			1.60	0.04					0.47		0.04	0.25	0.56		3.64	2200 EST
MILLERS 4NE MILLER	0.03	0.18	T		T	0.35					T		0.01	0.09			0.05		T	1.39	0.24	0.02				0.38		0.03	0.11	0.68	0.01	3.57	1800 EST
FREDERICK 4 N FARFAN		0.16			T	0.22					0.02		0.11							1.64	0.05		0.04			0.29			0.04	0.71	T	3.28	2400 EST
EAGLE ROCK HARVEY	0.01	T	0.16		0.05	0.72	T		0.03	0.01			T	0.33						0.05	0.55	0.03					0.12			0.70	0.25	3.01	800 EST
FALLSTON 2 NW ALBRIGHT	0.02	0.37			T	0.53					T		0.12			T	0.05			2.00	0.10					0.35		0.17	0.27	0.53	T	4.51	2400 EST

ACON MD / DE / DC
MARCH 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
LAUREL JHU / APL GIANNOLA		0.40			0.08	0.47					T T		0.15			0.07	0.02			2.15	0.07					0.43		0.05	0.46	0.57	0.01	4.93	2400
POTOMAC 4N COHEN	0.01	0.17			0.06	0.37					0.04 T		0.21			T	T			1.82	0.06					0.27		0.02	0.13	0.94	0.01	4.11	2100
OLNEY 1 S GIANNOLA		0.20			0.03	0.47					0.01 T		0.17			0.04	0.01			1.75	0.05					0.27		0.03	0.19	0.68	T	3.90	2400
MONTOGMERY VILLAGE ROSS	0.04	0.14			0.03	0.47					0.01		0.14							1.81	0.04					0.28		0.16	0.63	0.01	3.76	2400	
GLENMONT 1NNE ROSSEN	0.01	0.29	T T		0.07	0.30					0.01 0.2		0.13			0.02	T		T	1.80	0.06					0.31		0.02	0.38	0.70	T	4.10	2400
BETHESDA SCAFIDE	0.12	0.21			0.06	0.34		0.01			0.02		0.20				0.01			1.92	0.04					0.31		0.03	0.28	0.68	0.07	4.30	2400
GAITHERSBURG 2WNW SHAW	0.03	0.14		0.01	0.05	0.38					T T		0.11			0.01				1.73	0.04					0.34		0.54	0.64	T	4.02	2400	
FOREST GLEN TERRY	T	0.32	T		0.06	0.36					0.01 T		0.15			0.01	0.01		T	2.01	0.05					0.34		0.02	0.38	0.69	T	4.41	2400
ROCKVILLE 1NE WASH GAS LIGHT	T	0.13	T T		0.02	0.38							0.16			0.02	T			1.85	0.07					0.27		0.02	0.20	0.60	T	3.72	2400
SOUTH BOWIE HUDELSON	T	0.65			0.10	0.39					0.02 T		0.11			0.03	0.03	0.01		2.03	0.02					0.38		0.46	0.19	0.65	0.3	5.07	2400
OXON HILL SMITH	0.01	0.48			0.08	0.27					0.02 0.1	T	0.06			0.02	0.01			2.02	0.02					0.44		0.03	0.29	0.65	T	4.40	2000
HOLLYWOOD ABELL		0.52			0.14	0.43					0.02 0.2	0.04	0.03			0.27			T	1.86	0.01					0.15		0.06	0.45	0.65	T	4.63	2359
ORAVILLE VAN WIE																																	2400
RIDGE ZYL	T	0.50		0.01	0.38	0.36	T				T T	T				0.22	0.01	0.01		1.20	0.04					0.14		0.07	0.29	0.55	0.01	3.79	2400
HAGERSTOWN 1E KEEFER	T	0.40			T	0.35					T T		0.17						T	1.62						0.38		0.09	0.54	0.01	3.56	2400	
SMITHSBURG 2 NE VAUGHN		0.43			0.40	0.3					0.01 0.2	0.21								1.63	0.02					0.39		0.03	0.60	T	3.72	2000	
SALISBURY NWS WICOMICO CO APT	T	0.51			0.57	0.28	0.01				0.06 0.4	T	0.03	T		1.13	0.17			0.56	0.02					0.14		0.06	0.70	0.65	T	4.89	2400
HANOVER 2 S, PA RICKELL	0.03 0.3	0.15 T			T	0.50 0.1					T T		0.35				0.10	T	T	1.76	0.05					0.44		0.10	0.25	0.70	T	4.43	2100
WASH NATIONAL NWS ASOS	0.01 0.1	0.41 T	T T		0.07	0.22					T T		0.16			0.01	0.01		T	1.95	0.02					0.43		0.05	0.39	0.47	T	4.20	2400
WASH DULLES NWS ASOS	0.02	0.15	T T		0.03	0.20					T 0.1		0.22			0.02	0.01			1.81	0.06					0.30		0.01	0.19	0.69	T	3.71	2400