



<http://www.jhuapl.edu/weather/education/ACONdata.html>

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

NEAR NORMAL TEMPERATURES - CENTRAL AND WESTERN AREAS ABOVE NORMAL PRECIPITATION

March temperatures averaged near normal. As **Joe Terry** of **Forest Glen** stated in his summary: "March's temperatures showed less variability than is typical for March." Precipitation was above normal west of the Chesapeake Bay and near normal east of The Bay. Two storms within six days during the first third of the month produced over two thirds of the months rainfall. Snowfall amounts were light and remained on the ground for very short periods. No severe thunderstorms occurred but several brought pea size hail.

The month began sunny and cool with seasonal temperatures on the 1st. The second was windy and warmer with temperatures in the 50's. A cold front ushered in the coldest temperatures on the 3rd. Minimums were generally in the low to middle 20's while teens occurred from Baltimore County westwards.

Clouds moved in on the 5th as temperatures rose to 60°. Precipitation on the 6th and ended as snow in Central and Western Maryland. The heaviest amounts reported by ACON observers were 2.68" by **Lance Schaffer** of **Sterling 4 N VA**, 2.42" by **Rob Cohen** of **Potomac 4 N**, and 2.39" by **Kevin Shaw** of **Gaithersburg 2 WNW**. **Dave Leshner** of **Davis 3 SE WV** measured 7.9" of snow while **Jim Vaughn** of **Smithsburg 3 NE 2.6"** and **Greg Latta** of **Frostburg 1.7"**.

A second storm brought heavy rains from the 10th to the 11th. Rainfall amounts of over 2 inches fell in Central and Western Maryland. The heaviest amounts were reported by **Greg Latta** of **Frostburg 3.22"**, **Bobby Miller** of **Millers 4 NE 3.08"**, and **Nate Mullins** of **LaVale 3.03"**. Two plus inches of snow fell in Allegany County westwards into West Virginia.

The warmest portion of the month occurred between the 17th and 22nd. Temperatures rose to record levels at some stations on the 18th when mid 70's to lower 80's were observed. **Greg Keefer** of **Hagerstown 1 E** broke a record which

stood since 1905 on the 18th when temperatures rose to 79°.

Small hail was reported on the 21st and 23rd by several observers. See Observer Notes for details.

The coldest period, in respect to normal, occurred from the 23rd to the 31st. Temperatures failed to rise above 50° at a majority of stations. Minimum temperatures in the 20's were common. Light snow fell early on the 27th. The heaviest amounts fell in St Marys County where **Wes Gleason** of **Hollywood 3 ENE** measured 2.4" and **John Zyla** of **Ridge 1.7"**.

Precipitation fell on the last two days. Light snow fell in Central Maryland on the evening of the 30th. **Herb Close** of **Manchester 1 SW** measured 1.3", **Bobby Miller** of **Millers 4 NE 1.0"**, **Greg Latta** of **Frostburg 1.0"**, **Jim Vaughn** of

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	83
Forest Glen	83
Ridge	82

MINIMUM TEMPERATURE

Davis 3 SE WV	8
Frostburg	13
Manchester 1 SW	15
Smithsburg 3 NE	16

WARMEST AVG. TEMP.

Baltimore 2 SE	47.3
Forest Glen	46.2
Sterling 4 N VA	45.4

COLDEST AVG. TEMP.

Davis 3 SE WV	33.6
Frostburg	36.3
Manchester 1 SW	40.2
LaVale	40.9

MAXIMUM PRECIPITATION

Davis 3 SE WV	7.38
Owings Mills	7.07
Frostburg	6.80
Jug Bay Wetlands Lothian	6.35

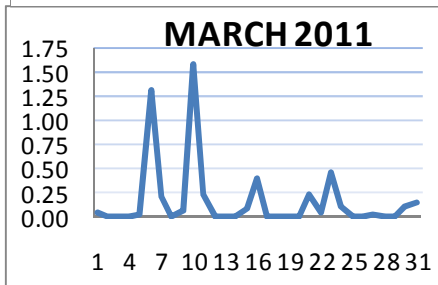
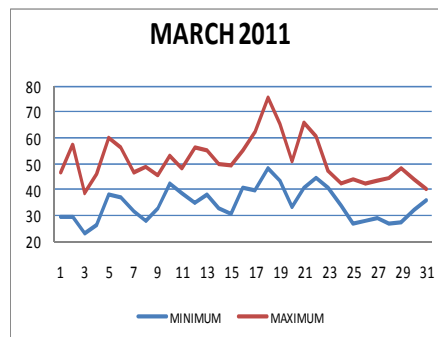
MINIMUM PRECIPITATION

Ridge	3.55
Newark DEOS DE	3.56
Harbeson 8 S DEOS DE	3.69

MAXIMUM SNOWFALL

Davis 3 SE WV	16.9
Frostburg	6.4
Smithsburg 3 NE	3.3
LaVale	3.0

Smithsburg 3 NE 0.6", **Ralph Hartsock** of **Westminster 4 SSE 0.5"**, **Ray Muller** of **Reisterstown 0.3"**, **Max Hutto** of **Smithsburg 1.5 SW 0.2"** and **Marty Sharrow** of **Owings Mills 0.1"**.



ACON MD/DE Network

Daily average temperatures and precipitation based on observation times, not calendar days.

OBSERVER COMMENTS FOR MARCH 2011

Gary Gallaher of Bear 2 SW, DE

Normal month both temperature and precipitation wise but below normal snowfall. Warm first half, cool second half. Ground too wet to plant early crops in the garden.

23rd - Thunderstorm with pea size hail.

Greg Latta of Frostburg

Four days this month with 1" or more snow on the ground, but none were consecutive.

Nate Mullins of LaVale

March came in somewhat chilly but calm, much like a lamb. Then it left like a lion, with snow flakes flying again and chilly temperatures.

5th & 6th - Soaking rains turning to snow late on the on the 6th, strong winds.

9th & 10th - Heavy wet snow early on the 9th mixed with and changed to rain. Daily precipitation records set on both days—**9th** 1.41", old record 1.30" in 1994, **10th** 1.62", old record 0.62" in 1976. There was some flooding in the area, particularly along Wills Creek.

Jeff Stoudt of Laurel 2 E

Two thirds of the months precipitation (3.08" of 4.61") fell from the 6th to the 10th.

21st - A pair of brief thunderstorms rumbled through during dawn, the second of which nearly covered the ground with pea-size (1/4") hail within a few minutes of 6:50 AM..

Ray Muller of Reisterstown

18th - Fair, Pleasantly warm, 4 PM temperature 74°.

23rd - +TSRA with pea size hail 1745 to 1748 hours.

Marty Sharrow of Owings Mills

7th - Early AM snow, sunny, windy, PWG 41 mph.

10th - Overcast with heavy rain, 3.36".

30th - Evening rain, snow, sleet.

Joe Manfre of Baltimore 2SE

21st - AM thunderstorm and rain till 8 AM.

31st - Cloudy, cold drizzle.

Ralph Hartsock of Westminster 4 SSE

2nd - Sunny and milder, colder late and windy PWG 33WNW.

10th&11th - Widespread flooding.

23rd - Evening thunderstorm, marble size hail.

Bobby Miller of Millers 4 NE

6th - Afternoon wind shift, moderate rain.

10th - Evening minor flooding.

23rd - Evening storm, 3/8" hail at 6:17 PM.

30th - Freezing drizzle, glaze on trees.

Eric Glass of Emmitsburg 2 SE

21st - At 7AM obs: Light rain, thunder & lightning.

Ron Berger of Norbeck 1 SE

21st - Brief small hail (1/4" dia.) from 6:11AM to 6:13 AM.

Rob Cohen of Potomac 4 N

6th - Heavy rain 6 - 8 AM, 3 - 9 PM, snow mix 11:30 PM.

30th - Rain, bit of sleet 3 - 9 PM.

Rich Giannola of Olney 1 S

6th—7th - Rain began before dawn. 0.50" by noon. 1.35" more before it ended as snow early on the 7th.

10th - Lightning and one clap of thunder followed by +SHRA/SHRA.

Richard Holden of Clarksburg 2 ENE

6th - Heavy rain, Light sleet, Light snow, AM min 54°.

19th - AM min temp 46°, afternoon max temp 57°.

Stan Rossen of Glenmont 1 NNE

7th - Snow began mixing with the rain after 12:15 A.M. and was all snow within 1/2 hour. The light snow tapered to flurries after 1 A.M. that continued until 3:00 A.M. The snow melted on contact and did not stick to any surface .

Kevin Shaw of Gaithersburg 2 WNW

Warmer than normal, but as usual, mostly due to warmer than average minimums. 74% of the months precipitation fell in a 6 day period from the 6th to the 11th. 9th wettest March of 33.

6th - 2.36" daily record precipitation.

10th - 1.49" daily record precipitation.

18th - 80° tied daily record set in 1989.

Joe Terry of Forest Glen

Near normal temperature but well above normal precipitation.

21st - Very brief but intense thunderstorm. Heavy rain along with 0.3" diameter hail for a few minutes around 0645. This was the first time hail has fallen in the month of March in this stations 16 year history.

Brian Smith of Oxon Hill

6th - -RA/RA 0600-2300;-RAPL 2300 changed to wet -SN

10th - Potential severe TS and flood-producing systems weakened in the evening; no flooding.

John Zyla of Ridge

16th - Cloudy, drizzle & Foggy, T'stm 12:30-4:30am

21st - Two thunderstorms: 1st 7:45am - 9:30am = 0.21", 2nd 8:30 - 8:45pm = 0.03

27th - Snow 3:30 -10:30am = 1.7", then clear, snow melted before Noon!

Max Hutto of Smithsburg 1.5 SW

2nd - Mostly sunny, warmer, very windy.

5th - 7th - Windy, late rain on the 5th continued throughout the 6th and changed to snow at night and ended on the 7th.

Greg Keefer of Hagerstown 1 E

Sleet fell on four days, 6th, 9th, 30th, & 31st. Thunder occurred on 3 days, 10th, 21st, & 23rd.

18th - Record maximum temperature of 79° broke the record 75 set in 1905.

23rd - Pea size hail around 7:30 PM with 30 MPH gusts.

Jim Vaughn of Smithsburg 2 NE

6th - Daily snowfall record of 2.3". Old record 0.3" occurred on several occasions with the last in 2003.

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 2011 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	
<i>New Castle, Delaware</i>																										
Gallaher, Gary	Bear 2 SW	52.1	32.8	42.5	76	18	22	26	0	0	15	42	SE	10	4.47	1.37	6	10.35	10	2	T	T	24	27.0	2400	
Legates, David	Middletown 6 N	52.5	33.2	42.9	77	18	23	3	0	0	16	31		10	3.74	1.20	6	8.82	10	1					2400	
NWS Wilmington	New Castle Co. Apt.	51.5	33.0	42.3	76	18	22	3	0	0	16	51	SSE	10	4.05	1.29	10	10.17	11	2	T	T	24	27.0	2400	
UofDE AG FARM DEOS***	Newark	50.6	33.3	42.0	76	18	22	3	0	0	15	34		10	3.56	1.41	6	5.43	8	2					2400	
U of D REC DEOS***	Townsend 4 W	50.9	33.6	42.3	74	18	23	3	0	0	16	30		7	3.69	1.29	6	8.81	11	1					2400	
<i>Sussex, Delaware</i>																										
NWS Georgetown	Sussex Co. Airport	53.1	35.2	44.2	79	18	24	4	0	0	14	70	NNW	30	3.64	0.88	6	8.83	11	0					2400	
U of D REC DEOS***	Georgetown 5 SW	52.1	34.3	43.2	78	18	23	4	0	0	15	30		10	3.84	1.09	6	8.70	11	1					2400	
U of D REC DEOS***	Harbeson 8 S	51.7	34.2	43.0	77	18	23	4	0	0	15	26		10	3.69	1.02	10	9.20	9	1					2400	
U of D DEOS***	Rehoboth Beach Bwk	50.3	38.3	44.3	78	18	27	3	0	0	5	33		10	3.74	1.18	10	8.76	10	1					2400	
<i>Allegany, Maryland</i>																										
Latta, Greg	Frostburg	47.1	25.5	36.3	70	19	13	3+	0	0	25				6.80	2.10	10	11.82	13	2	6.4	2.6	10	49.5	0700	
Mullins, Nate**	LaVale	49.4	32.4	40.9	72	18+	19	3	0	0	15				5.99	1.62	10	10.39	11	3	3.0	2.0	9	26.2	2400	
<i>Anne Arundel, Maryland</i>																										
Hanson, Dan	Pasadena 2 N	54.1	34.2	44.2	81	18	24	29	0	0	16	33	NE	10	4.81	2.21	10	9.74	13	2	0.0	0.0		12.3	2400	
Jug Bay Wetlands	Lothian	54.9	33.7	44.3	78	18	23	28+	0	0	15				6.35	2.65	10	10.99	14	2	0.0	0.0		6.8	1500	
NWS Baltimore	BWI Airport	53.7	35.0	44.4	81	18	25	3	0	0	12	37	NW	7	4.99	2.61	10	10.34	12	2	T	T	7+	14.4	2400	
Stoudt, Jeff	Laurel 2 E	53.7	35.0	44.4	79	18	25	3	0	0	12				4.61	1.99	10	9.55	12	2	T	T	27+	13.7	2400	
<i>Baltimore, Maryland</i>																										
Muller, Ray	Reisterstown	PRECIP ONLY STATION FOR MARCH											35	E	10	6.04	2.06	11	11.57	14	2	0.6	0.3	7+	5.2	0700
Sharrow, Marty	Owings Mills 2 SE	51.5	32.1	41.8	77	18	18	3	0	0	18	44		7	7.07	3.36	10	12.58	9	3	0.2	0.1	7+	28.1	2400	
<i>Baltimore City, Maryland</i>																										
Manfre, Joe	Baltimore 2 SE	55.2	39.3	47.3	83	18	26	3	0	0	2				4.97	2.54	10	9.44	11	1	0.0	0.0		13.9	2400	
Maryland Science Ctr	Baltimore Inner Harbor	54.7	39.4	47.1	82	18	26	3	0	0	1				5.26	2.83	10	9.90	10	2					2400	
<i>Carroll, Maryland</i>																										
Close Jr, Herb	Manchester 1 SW	50.2	30.2	40.2	78	18	15	3	0	0	19				5.50	2.44	10	10.57	10	2	1.9	1.2	30	32.5	2300	
Hartsock, Ralph	Westminster 4 SSE	52.5	33.4	43.0	76	18	20	3	0	0	17	42	SE	10	5.83	1.65	10	10.94	11	2	1.0	0.5	7+	27.8	1900	
Miller, Bobby	Millers 4 NE	52.1	31.8	42.0	77	18	17	3	0	0	17	45	NNE	6	6.31	2.39	10	12.08	11	2	1.5	1.0	31	33.5	1800	
<i>Charles, Maryland</i>																										
Brumback, Marty	Bryans Road 2 ESE																	4.97						10.7	2400	
<i>Frederick, Maryland</i>																										
Glass, Eric	Emmitsburg 2 SE	52.2	31.3	41.8	79	19	20	3	0	0	19				6.33	2.00	7	11.80	12	2	0.5	0.5	7	24.0	0700	

**ACON MD / DE / DC
MARCH 2011 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 <u>Montgomery, Maryland</u>	51.5	34.5	43.0	78	18	22	3	0	0	13	41	NW	7	4.65	2.04	10	9.80	11	2	T	T	7+	18.7	2400
Berger, Ron	Norbeck 1 SE	53.3	34.8	44.1	78	18	23	3	0	0	14				5.32	1.86	10	9.92	12	2	T	T	7+	15.0	2200
Cohen, Rob	Potomac 4 N	53.4	35.1	44.3	78	18	24	3	0	0	14				5.84	2.38	6	10.66	9	2	0.0	0.0		13.8	2100
Giannola, Rich	Olney 1 S	52.9	33.4	43.2	78	18	22	3	0	0	16				5.29	1.85	6-7	9.81	7	2	0.1	0.1	7	17.2	2400
Holden, Richard	Clarksburg 2 ENE	52.0	33.5	42.8	78	18	21	3	0	0	16	40	NNE	7	5.11	1.99	6	10.57	13	2	0.8	0.7	7	27.3	2400
Roth, David	Montgomery Village 1SW	54.0	32.4	43.2	77	18	21	3	0	0	16				4.45	1.49	6	<u>7.61</u>	11	2	0.1	0.7	6	<u>1.9</u>	2400
Rossen, Stan	Glenmont 1 NNE	54.7	34.7	44.7	80	18	21	3	0	0	13	25		2	5.27	2.02	10	9.88	11	2	T	T	7+	13.5	2400
Scafide, Tony	Bethesda	53.5	35.6	44.6	79	18	24	3	0	0	10	22		7	4.54	1.65	6	<u>8.76</u>	15	2					2400
Shaw, Kevin	Gaithersburg 2 WNW	54.1	35.2	44.7	80	18	24	3	0	0	11	25	NW	7	5.27	2.38	6	9.87	13	2	0.1	0.1	7	18.0	2400
Terry, Joe	Forest Glen	56.5	35.9	46.2	83	18	24	3	0	0	10	30	WNW	7	5.50	2.21	10	10.62	11	2	0.1	0.1	27	15.5	2400
	<u>Prince Georges, Maryland</u>																								
Smith, Brian	Oxon Hill	55.4	37.0	46.2	79	18	26	3	0	0	9				5.23	1.70	10	10.11	13	2	0.3	0.3	27	14.3	2300
	<u>St. Marys, Maryland</u>																								
Gleason, Wes	Hollywood 3 ENE				<u>52</u>	29	<u>30</u>	27	<u>0</u>	<u>0</u>	<u>1</u>	30		10	5.35	1.30	7	8.18	11	2	2.4	2.4	27	<u>5.9</u>	0700/2400
Zyla, John	Ridge	54.1	38.7	46.4	82	18	30	3+	0	0	4	24	NE+	19+	3.55	0.99	6	7.54	14	0	1.7	1.7	27	13.9	2400
	<u>Washington, Maryland</u>																								
Hutto, Max	Smithsburg 1.5 SW	52.7	33.2	43.0	78	18	18	3	0	0	15	32		2	5.24	2.21	6	9.83	15	2	2.5	1.5	6	26.5	2400
Keefer, Greg	Hagerstown 1 E	52.0	33.4	42.7	79	18	19	3	0	0	15	40	W	2	4.78	1.71	6	9.20	13	2	2.0	1.0	6+	23.4	2400
Vaughn, Jim	Smithsburg 3 NE	50.5	30.6	40.6	75	18	16	3	0	0	20	57	S	5	4.52	1.70	6	10.28	14	2	3.3	2.2	6	28.7	2400
	<u>Wicomico, Maryland</u>																								
NWS Salisbury	Wicomico Co. Apt	54.1	35.5	44.8	79	18	24	4	0	0	12	43	SSE	10	3.53	1.10	6	8.25	12	1					2400
	<u>Arlington, Virginia</u>																								
NWS Washington	National Airport	54.0	37.2	45.6	80	18	27	3	0	0	7	43	NW	7	4.40	1.41	10	8.77	13	2	0.2	0.2	27	10.1	2400
	<u>Loudon, Virginia</u>																								
NWS Washington	Dulles Airport	54.0	34.4	44.2	79	18	25	3+	0	0	14	46	NNW	7	5.07	2.30	6	9.15	14	2	0.1	0.1	27	12.6	2400
Shaffer, Lance	Sterling 4 N	53.9	36.8	45.4	78	18	26	3	0	0	10				5.59	2.67	6	9.83	14	2	0.1	0.1	27	13.3	2400
	<u>Tucker, West Virginia</u>																								
Leshner, Dave	Davis 3 SE WV	43.1	24.1	33.6	64	24	8	28	0	5	27				7.38	1.17	24	17.03	18	1	16.9	7.9	7	191.0	0700
SECTION AVERAGE*		52.3	33.4	42.8											4.97			10.28			0.9			19.1	

NOTES:

M OR UNDERLINE = MISSING DATA
 > = INCLUDED IN NEXT DAYS DATA
 ITALIC = ESTIMATED DATA
 + = FIRST OF SEVERAL OCCURANCES
 DAYLIGHT SAVING TIME BEGAN 3/13

WINTER TYPE PRECIPITATION FROM STATIONS WITH
 TIPPING BUCKET RAIN GAUGE MAY SHOW UNDER CATCH.
 ALSO AMOUNTS CAUGHT MAY BE NOTED IN THE FOLLOWING
 DAYS AS IT MELTS.

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

**OBSERVER FOR LAVALE IS SCOTT LOHR. DATA COMPILED BY NATE MULLINS.

*** DATA FROM DEOS (DELAWARE ENVIROMENTAL OBSERVING SYSTEM) - PERMISSION GRANTED FOR USE OF DATA

*** REC= UNIVERSITY OF DELAWARE RESEARCH AND EDUCATION CENTER

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.

**ACON MD / DE / DC
MARCH 2011 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	
BEAR 2 SW, DE GALLAHER	48 27	59 27	38 23	45 24	64 35	60 40	48 31	50 26	47 29	55 44	52 41	56 37	55 36	49 28	51 26	58 41	64 42	76 45	68 41	51 33	60 41	56 38	45 39	42 35	44 23	43 22	45 29	46 28	50 22	47 26	43 38	52.1 32.8	2400 EDT	
MIDDLETOWN 6 N LEGATES	48 26	60 26	39 23	45 24	64 36	60 39	48 32	51 27	47 31	56 44	53 41	57 36	56 38	50 30	51 28	59 40	65 41	77 46	67 41	51 33	61 40	56 39	45 40	42 31	44 24	43 25	46 29	46 28	51 25	47 27	42 38	52.5 33.2	2400 EDT	
WILMINGTON, DE NWS NEW CASTLE CO APT	47 31	59 30	36 22	45 27	64 38	56 39	49 33	49 27	46 32	56 43	52 40	55 37	55 34	49 32	49 29	59 40	64 39	76 46	67 38	49 31	60 41	56 39	43 38	42 30	44 24	42 24	46 29	46 23	50 24	47 27	42 37	51.5 33.0	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	47 29	59 28	37 22	44 26	62 37	59 39	46 32	51 28	45 31	M M	51 40	55 38	53 38	47 31	44 28	58 42	64 43	76 44	68 40	49 33	60 40	53 40	43 38	40 33	42 26	41 26	44 30	44 27	49 25	46 27	42 37	50.6 33.3	2400 EDT	
TOWNSEND 4 W, DE U of D REC DEOS	47 32	58 31	36 23	44 25	64 35	60 39	46 34	50 27	46 31	56 44	50 41	56 36	55 38	48 29	50 29	57 40	62 41	74 49	66 40	50 31	62 40	55 40	44 38	40 32	42 27	41 26	43 31	44 26	49 26	45 27	41 37	50.9 33.6	2400 EDT	
GEORGETOWN, DE NWS SUSSEX CO APT	47 28	57 28	37 26	47 24	64 38	61 43	50 36	47 29	49 29	58 48	53 43	58 35	60 38	52 32	51 27	59 46	64 44	79 48	66 41	49 36	64 42	61 45	48 41	42 32	45 30	45 33	47 26	47 27	50 25	46 31	44 40	53.1 35.2	2400 EST	
GEORGETOWN, DE U of D REC DEOS	48 28	56 28	36 25	47 23	63 38	60 42	48 35	47 29	48 29	58 48	51 42	57 36	58 38	51 30	51 28	56 44	62 42	78 48	64 40	48 29	63 40	61 45	49 41	41 33	45 27	43 32	45 28	45 26	50 25	45 31	43 39	52.1 34.3	2400 EDT	
HARBESON 8 S, DE U of D REC DEOS	46 28	56 27	36 26	44 23	61 40	60 43	49 35	46 29	47 28	57 47	53 42	57 34	59 36	49 30	49 27	59 44	63 41	77 46	67 40	63 35	62 42	46 41	46 45	41 31	45 28	44 31	45 26	46 25	49 25	44 29	42 39	51.7 34.2	2400 EDT	
REHOBOTH BEACH BWK U of D DEOS	44 34	57 34	37 27	42 32	53 41	55 46	48 36	41 35	44 39	52 44	50 42	59 38	60 43	47 35	45 37	57 44	54 45	78 50	68 43	45 38	64 43	64 45	45 42	42 36	41 32	42 33	44 31	46 32	51 32	43 38	42 41	50.3 38.3	2400 EDT	
FROSTBURG LATTA	57 19	45 19	48 13	36 13	49 21	53 35	46 19	38 19	43 22	40 28	46 29	33 29	37 31	38 30	44 28	43 32	62 45	70 46	51 36	50 28	68 38	61 36	61 36	36 19	37 19	39 18	41 17	41 17	45 19	38 29	47.1 25.5	0700 EDT		
LAVALE MULLINS**	45 26	51 25	35 19	50 29	58 38	48 32	42 26	47 25	39 33	49 39	40 33	62 33	47 38	50 35	46 29	48 36	62 36	72 42	58 41	52 31	72 42	65 40	45 37	40 25	42 26	42 29	46 24	48 25	52 32	40 34	39 32	49.4 32.4	2400 EDT	
PASADENA 2 N HANSON	48 28	62 27	37 25	47 25	62 35	56 37	50 32	51 27	47 31	59 45	51 40	60 34	58 36	53 29	52 31	59 42	67 35	81 46	68 52	68 37	69 43	63 46	46 41	43 31	48 30	47 31	48 29	54 24	47 31	42 37	54.1 34.2	2400 EDT		
LOTHIAN JUG BAY	49 28	63 28	38 25	49 25	64 39	60 38	51 33	50 25	50 30	57 46	51 41	61 35	61 35	54 27	52 27	59 42	67 37	78 48	66 42	52 31	73 43	63 46	51 44	46 31	49 26	48 28	48 29	53 23	48 23	43 36	54.9 33.7	1500 EDT		
BALTIMORE NWS BWI APT	49 30	62 30	39 25	48 27	63 39	57 37	50 34	49 27	47 34	58 45	52 40	58 36	58 35	53 31	50 33	59 41	65 39	81 48	67 43	50 36	70 43	62 46	46 43	46 27	46 28	47 30	48 28	52 28	46 32	43 37	53.7 35.0	2400 EST		
LAUREL 2 E STOUDT	49 31	61 32	41 25	50 27	64 40	58 37	48 34	51 27	48 33	56 44	50 34	58 39	56 33	52 30	56 33	66 41	79 42	66 50	66 42	54 33	68 43	63 43	46 39	43 32	46 27	46 26	47 32	48 28	53 31	47 35	42 37	53.7 35.0	2400 EST	
REISTERSTOWN MULLER																																		700 EDT
OWINGS MILLS 2SE SHARROW	49 28	59 28	39 18	44 26	60 36	54 33	43 29	50 26	40 30	56 40	51 36	56 32	52 38	49 33	47 27	57 37	63 47	77 46	65 30	49 39	68 42	62 36	43 43	40 31	43 25	44 24	48 28	46 25	50 27	44 29	49 32	51.5 32.1	2400 EDT	
BALTIMORE 2SE MANFRE	50 36	63 36	40 26	48 33	64 42	58 39	49 37	49 36	50 38	61 46	54 43	60 39	59 43	54 42	52 36	61 44	68 46	83 51	71 45	51 38	72 46	63 47	48 43	44 39	48 32	47 34	48 33	49 34	54 37	48 39	46 38	55.2 39.3	2400 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	49 36	63 36	38 26	48 33	63 42	58 39	49 37	49 36	48 38	61 46	52 43	60 39	58 43	53 42	52 37	61 44	68 46	82 51	71 45	51 39	71 46	63 47	47 43	44 39	48 33	47 34	48 33	49 33	53 40	48 39	45 39	54.7 39.4	2400 EST	
MANCHESTER 1SW CLOSE	45 25	56 27	36 15	43 23	60 34	54 32	42 26	48 28	44 29	54 38	51 33	48 32	53 34	50 33	48 28	55 36	63 48	78 38	65 29	50 37	67 41	61 33	43 29	39 22	43 21	41 21	44 26	44 21	49 24	43 30	39 30	50.2 30.2	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK	45 29	55 28	39 20	49 26	65 35	56 40	43 30	53 28	44 29	56 42	50 39	57 32	54 43	50 33	55 29	60 40	63 37	76 48	59 48	54 30	69 41	62 43	45 42	43 33	44 25	45 25	46 29	46 25	49 27	51 29	46 31	52.5 33.4	1900 EDT	
MILLERS 4NE MILLER	51 27	55 29	44 17	45 25	61 35	54 38	43 29	49 24	42 30	55 39	56 37	56 34	52 40	50 35	50 28	54 38	61 37	77 47	74 44	54 29	68 38	67 41	50 35	41 32	41 23	41 22	43 27	45 23	49 25	47 26	40 32	52.1 31.8	1800 EDT	
BRYANS ROAD 2 ESE BRUMBACK																																		2400 EDT
EMMITSBURG 2 SE GLASS	59 28	45 28	58 20	35 20	48 26	62 40	58 32	47 27	47 27	49 33	56 39	47 37	57 41	52 37	51 29	50 29	56 37	64 37	79 44	58 30	50 31	69 41	59 39	44 35	41 26	42 24	44 26	46 24	47 24	51 28	46 31	52.2 31.3	0700 EDT	

**ACON MD / DE / DC
MARCH 2011 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 GIANNOLA	47 30	59 31	38 22	46 28	62 39	56 34	45 31	49 28	45 34	55 42	47 38	57 35	53 38	50 34	48 31	55 39	64 43	78 52	67 44	50 34	68 40	64 45	46 39	41 32	42 28	43 28	43 27	44 28	49 30	44 33	41 34	51.5 34.5	2400 EDT																								
NORBECK 1 SE BERGER	46 30	60 29	39 23	49 26	62 39	58 37	47 32	50 28	47 35	56 44	47 38	57 34	52 40	51 31	56 41	64 40	78 50	69 48	53 32	70 41	67 48	52 44	42 33	46 32	45 26	46 26	46 30	47 27	50 29	46 34	42 35	53.3 34.8	2200 EDT																								
POTOMAC 4N COHEN	48 32	60 30	40 24	50 28	62 41	59 34	47 31	50 28	45 35	56 44	48 38	60 32	56 36	51 31	53 33	56 42	64 40	78 49	68 47	56 36	71 42	63 48	51 45	44 28	45 28	45 30	45 26	50 30	46 32	42 35	53.4 35.1	2100 EDT																									
OLNEY 1 S GIANNOLA	46 28	60 30	39 22	49 26	62 38	57 35	47 31	50 28	46 33	55 43	47 37	57 32	52 38	52 30	57 29	64 40	78 37	66 46	53 45	68 32	64 40	47 41	43 31	46 25	46 25	46 30	46 24	51 26	46 33	42 35	52.9 33.4	2400 EDT																									
CLARKSBURG 2ENE HOLDEN	45 28	59 30	38 21	49 26	61 39	57 32	46 31	51 29	45 32	55 43	48 36	57 36	56 36	49 35	51 32	57 39	63 40	78 49	64 40	52 31	70 40	62 43	45 40	41 32	44 27	44 24	44 28	45 26	49 33	45 33	41 33	52.0 33.5	2400 EDT																								
MONTGOMERY VILLAGE ROTH 1SW	45 28	59 27	38 21	49 26	64 38	59 36	45 30	54 23	48 32	57 43	50 35	58 30	58 35	52 28	55 27	59 41	65 35	77 45	67 43	54 30	71 41	63 46	50 41	45 33	47 23	46 23	47 27	46 23	51 25	50 34	45 34	54.0 32.4	2400 EDT																								
GLENMONT 1NNE ROSSEN	50 30	63 29	42 24	52 28	64 41	58 36	48 33	53 27	48 35	56 45	50 39	61 36	57 35	52 31	58 30	67 42	80 38	66 49	57 44	71 34	65 42	49 47	43 31	48 27	48 27	47 30	49 26	54 28	46 34	42 36	54.7 34.7	2400 EST																									
BETHESDA SCAFIDE	48 32	61 34	40 24	49 29	63 41	59 34	48 33	52 30	48 36	57 45	48 38	57 34	48 37	48 32	57 34	66 41	79 41	66 49	53 44	73 35	63 41	49 46	43 43	47 34	45 29	46 29	47 30	47 28	52 29	47 36	41 36	53.5 35.6	2400 EDT																								
GAITHERSBURG 2WNW SHAW	49 31	61 31	41 24	51 29	62 41	58 34	49 33	52 27	47 36	56 45	49 38	60 34	57 39	52 33	53 31	57 41	67 37	80 47	67 46	55 33	73 42	63 48	50 43	44 35	46 29	46 28	46 31	47 27	52 28	47 34	42 35	54.1 35.2	2400 EDT																								
FOREST GLEN TERRY	51 31	65 34	44 24	53 29	65 42	59 35	53 34	55 30	48 35	57 45	48 38	57 34	48 39	52 31	56 34	61 41	68 41	83 51	68 46	57 35	72 48	66 43	49 35	46 27	50 29	50 31	50 28	54 30	48 36	43 36	56.5 35.9	2400 EDT																									
OXON HILL SMITH	49 33	63 32	42 26	51 27	64 40	61 37	51 36	53 34	50 35	58 47	51 39	61 33	61 40	55 31	52 35	58 40	67 44	79 51	68 51	54 36	73 42	64 50	53 44	46 38	50 30	50 31	48 31	48 29	48 29	49 38	40 37	55.4 37.0	2300 EDT																								
HOLLYWOOD GLEASON			MISSING DATA DUE TO EQUIPMENT PROBLEMS																																																					45.6 41	2400 EDT
RIDGE ZYLA	47 34	62 34	42 30	48 31	64 40	56 38	51 35	51 34	50 37	53 48	51 42	61 38	60 44	50 36	50 38	56 44	65 41	82 50	68 48	52 39	70 45	60 47	53 45	46 39	47 32	47 36	45 30	48 34	53 33	47 40	44 40	54.1 38.7	2400 EDT																								
SMITHSBURG 1.5 SW HUTTO	46 26	57 26	39 18	49 28	62 41	57 32	45 29	51 23	45 36	58 42	43 37	61 36	52 40	52 36	50 32	57 41	66 37	78 53	65 41	56 31	74 41	64 43	46 40	42 34	41 26	44 23	47 29	47 21	51 26	48 26	41 34	52.7 33.2	2400 EDT																								
HAGERSTOWN 1E KEEFER	45 28	57 29	38 19	48 28	61 39	56 32	45 29	49 24	45 36	58 43	43 38	61 37	53 40	50 35	57 28	65 41	79 65	65 50	52 31	74 41	62 44	47 41	43 35	41 26	42 25	45 25	46 24	50 25	46 27	40 34	52.0 33.4	2400 EDT																									
SMITHSBURG 3 NE VAUGHN	43 24	54 22	36 16	46 24	60 37	57 27	43 22	48 26	45 32	57 39	43 31	58 32	53 36	47 34	48 31	53 38	62 38	75 53	64 39	51 29	72 36	64 40	47 37	42 30	39 23	40 23	42 25	44 20	48 25	45 29	40 30	50.5 30.6	2400 EDT																								
SALISBURY NWS WICOMICO CO APT	48 27	57 27	39 26	49 24	64 35	61 42	51 37	51 28	51 31	58 48	53 52	58 44	61 34	53 30	53 29	59 48	64 48	79 48	66 39	52 33	66 45	61 44	53 43	44 33	47 26	46 35	45 28	46 27	51 27	47 37	45 41	54.1 35.5	2400 EST																								
WASH NATIONAL NWS ASOS	47 33	64 34	41 27	50 30	60 41	58 33	48 33	52 32	48 36	56 46	48 39	59 34	53 39	51 37	57 35	64 41	80 43	68 47	54 38	70 43	62 49	52 44	44 37	49 32	47 32	46 31	47 31	48 34	42 38	42 37	54.0 37.2	2400 EST																									
WASH DULLES NWS ASOS	47 30	62 30	39 25	49 27	63 39	59 34	48 32	51 25	49 36	59 46	48 37	58 32	52 33	50 28	58 29	65 42	79 39	66 50	53 46	73 36	62 41	54 47	45 33	48 27	45 28	44 27	47 26	50 26	47 35	42 36	54.0 34.4	2400 EST																									
STERLING 4 N SHAFFER	48 32	62 33	40 26	50 30	62 41	59 34	48 31	51 28	47 38	58 47	45 35	60 34	59 40	53 35	51 32	59 43	66 41	78 51	62 51	55 36	72 42	62 49	52 46	45 38	48 30	46 29	48 33	46 30	42 32	43 34	53.9 36.8	2400 EDT																									
DAVIS 3 SE WV LESHER	58 17	40 17	42 13	41 14	54 31	48 37	37 16	33 16	44 27	40 27	44 23	27 22	51 27	40 24	43 25	45 32	35 31	56 32	62 33	47 25	47 28	58 43	55 41	64 31	31 18	26 18	34 18	28 8	36 11	38 16	38 27	43.1 24.1	0700 EDT																								

**ACON MD / DE / DC
MARCH 2011 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	
BEAR 2 SW, DE GALLAHER					T	1.37	0.01		T	1.08	0.08				0.07	0.61					0.21		0.96	0.03						T	0.05	4.47	2400 EDT	
MIDDLETOWN 6 N LEGATES						1.20	0.02			0.87	0.08				0.07	0.56					0.23		0.63	0.02							0.06	3.74	2400 EDT	
WILMINGTON, DE NWS NEW CASTLE CO APT						1.09	0.02		T	1.29	0.17				0.06	0.54					0.30		0.50	0.02						0.01	0.05	4.05	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS						1.41	0.01			1.23	0.07										0.23		0.49	0.02							0.10	3.56	2400 EDT	
TOWNSEND 4 W, DE U of D REC DEOS						1.29	0.01			0.54	0.10				0.02	0.66					0.19		0.79	0.01						0.01	0.07	3.69	2400 EDT	
GEORGETOWN, DE NWS SUSSEX CO APT	T					0.88	0.04			0.76	0.21				T	0.42					0.29	T	0.72	0.02			0.01			0.02	0.27	3.64	2400 EST	
GEORGETOWN, DE U of D REC DEOS						1.09	0.01			0.84	0.07					0.44					0.23		0.75	0.03			0.05			0.03	0.30	3.84	2400 EDT	
HARBESON 8 S, DE U of D REC DEOS						0.90				1.02	0.21					0.28					0.27		0.64	0.04						0.02	0.31	3.69	2400 EDT	
REHOBOTH BEACH BWK U of DE DEOS	0.01					0.83				1.18	0.25					0.36					0.30		0.50	0.04						0.01	0.26	3.74	2400 EDT	
FROSTBURG LATTA	0.37					0.92	0.44		T	2.10	1.12	T				0.36	T		0.04		0.14	0.01	0.45	0.64	0.02		T			0.19	6.80	0700 EDT		
LAVALE MULLINS**					0.31	1.10			1.41	1.62	T				0.19	0.12					0.11	0.13	0.70							0.12	0.18	5.99	2400 EDT	
PASADENA 2N HANSON						1.03	0.04		0.02	2.21	0.01				0.08	0.52					0.21	0.02	0.43	0.03						0.11	0.10	4.81	2400 EDT	
LOTHIAN JUG BAY						1.35	0.01		0.01	2.65	0.15				0.13	0.76					0.29		0.70	0.02	0.01		0.05			0.16	0.06	6.35	1500 EDT	
BWI NWS ASOS						1.05	0.01		0.02	2.61	T				0.13	0.47				T	0.21	0.03	0.28	0.02			T			0.13	0.03	4.99	2400 EST	
LAUREL 2 E STOUDT						1.01	0.04		0.04	1.99	T				0.17	0.44					0.36	0.05	0.27	0.03			T			0.16	0.05	4.61	2400 EST	
REISTERSTOWN MULLER	0.12					0.11	1.35			0.56	2.06	0.02				0.49	0.01				0.16	0.09	0.32	0.48	0.05					0.22	6.04	0700 EDT		
OWINGS MILLS 2SE SHARROW					T	1.34	0.03			3.36	T				0.11	0.55					0.23		1.18	T			T			0.16	0.11	7.07	2400 EDT	
BALTIMORE 2SE MANFRE						0.99	0.01			2.54					0.12	0.49					0.22	0.04	0.39	0.01			T			0.12	0.04	4.97	2400 EDT	
BALT INNER HARBOR MD SCIENCE CENTER						1.00	0.01			2.83					0.11	0.53					0.23	0.04	0.35							0.12	0.04	5.26	2400 EST	
MANCHESTER 1SW CLOSE						1.47	0.06		T	2.44					0.01	0.37					0.12	T	0.72	0.02						0.23	0.06	5.50	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK	0.08				0.01	1.32	0.33			1.65	0.63					0.46					0.23		0.35	0.38							0.39	5.83	1900 EDT	
MILLERS 4NE MILLER	0.06				0.01	1.06	0.42			2.39	0.69	T			T	0.44					0.21		0.27	0.48						T	0.28	6.31	1800 EDT	
BRYANS ROAD 2 ESE BRUMBACK																																		2400 EDT
EMMITSBURG 2 SE GLASS	0.22					0.40	2.00			0.62	1.53					0.12					0.02	0.11	0.28	0.74	0.06						0.23	6.33	0700 EDT	

ACON MD / DE / DC
MARCH 2011 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						1.21	0.04 T		0.04	2.04					0.13	0.43					0.21		0.30	0.04						0.13	0.08	4.65	2400 EDT	
NORBECK 1 SE BERGER					T	1.80	0.02 T		0.01	1.86	0.04				0.04	0.59					0.25		0.38	0.05			T			0.19	0.09	5.32	2200 EDT	
POTOMAC 4N COHEN					T	2.38	0.06			1.73	0.14				T	0.56							0.34		0.30		T			0.23	0.10	5.84	2100 EDT	
OLNEY 1 S GIANNOLA						>	1.85 0.1		>	1.78					>	0.62					0.42		0.34	0.05			T			>	0.23	5.29	2400 EDT	
CLARKSBURG 2ENE HOLDEN					T	1.99 0.1	0.06 0.7		0.03	1.47	0.01				0.24	0.21					0.26	0.01	0.46	0.06 T			T			0.21	0.10	5.11	2400 EDT	
MONTGOMERY VILLAGE ROTH 1SW						1.43 0.1	0.14		T	1.49	0.06				0.07	0.44				T	0.22		0.05	0.30						0.20	0.05	4.45	2400 EDT	
GLENMONT 1NNE ROSSEN					T	1.69	0.03 T		0.05	2.02	T				0.29	0.32					T	0.27	T	0.30	0.02			T			0.21	0.07	5.27	2400 EST
BETHESDA SCAFIDE						1.65	0.17		0.06	1.31	0.16	0.05	0.02	0.01		0.01	0.01				0.57		0.27	0.03						0.20	0.02	4.54	2400 EDT	
GAITHERSBURG 2WNW SHAW						2.38	0.01 0.1		0.04	1.48	0.01				0.04	0.42					0.01	0.21	T	0.36	0.04			T			0.16	0.11	5.27	2400 EDT
FOREST GLEN TERRY						1.80 T	0.04 T		0.06	2.21					0.16	0.42					T	0.32	0.22	0.02				T			0.19	0.06	5.50	2400 EDT
OXON HILL SMITH						1.59 T	0.02 T		0.09	1.70	0.13				0.15 T	0.52						0.25	T	0.48	0.10			0.03 0.3			0.14	0.03	5.23	2300 EDT
HOLLYWOOD 3 ENE GLEASON	0.55						1.30			0.32	0.99					1.06						0.34	0.05	0.35	0.08		0.18 2.4	T			0.13	0.13	5.35	0700 EDT
RIDGE ZYLA					0.05	0.99	0.01			0.97					0.01	0.46				0.02		0.24	0.11	0.13	0.09			0.20 1.7			0.09	0.18	3.55	2400 EDT
SMITHSBURG 1.5 SW HUTTO	0.01				0.05	2.21 1.5	0.07 0.8		0.05	1.21	0.04				0.15						0.01	0.19	0.06	0.87	0.08					0.19 0.2	0.05	5.24	2400 EDT	
HAGERSTOWN 1E KEEFER					0.05	1.71 1.0	0.07 1.0		0.11 T	1.30	0.02				0.16							0.12	0.07	0.80	0.03			T T			0.23 T	0.11 T	4.78	2400 EDT
SMITHSBURG 3 NE VAUGHN					0.03	1.70 2.2	0.04 0.4		0.10	1.33	0.04 0.1				0.09	0.02						0.12	0.09	0.66	0.03						0.13 0.6	0.14	4.52	2400 EDT
SALISBURY NWS WICOMICO CO APT	T					1.10	0.01		T	0.76	0.03					0.41						0.23	0.02	0.30	0.06			0.27			0.04	0.30	3.53	2400 EST
WASH NATIONAL NWS ASOS					T	1.39	0.02 T		0.04	1.41	0.02				0.23	0.41					T	0.19	T	0.43	0.05			0.02 0.2			0.15 T	0.04	4.40	2400 EST
WASH DULLES NWS ASOS						2.30 T	0.03 T		0.07	1.41	0.07				0.31	0.11					T	0.25	0.01	0.17	0.06			0.01 0.1			0.16 T	0.11	5.07	2400 EST
STERLING 4 N SHAFFER					0.01	2.67 T			0.06	1.40	0.01 T				0.38	0.03						0.20	0.02	0.04	0.44			0.02 0.1			0.11 T	0.20	5.59	2400 EDT
DAVIS 3 SE WV LESHER	0.99 0.3					0.54	0.89 7.9		0.10 0.6	0.43 0.4	0.66 3.4	0.04 0.6				0.36 T	0.07		0.23			0.58	0.68	0.10	1.17 0.4	0.07 1.0	0.02 0.4	0.14 1.9	T T		T T	0.31	7.38	0700 EDT