



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

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

PERSISTENT COLD WITH A MEMORABLE WINTER STORM EVENT

The first month of 2011 followed in the foot steps of the last month of 2010 i.e. temperatures persistently below normal along with sub-normal precipitation and above normal snowfall. No extreme heat or cold occurred this month. Much of the month's precipitation fell in the frozen form, i.e. snow, sleet, and freezing rain / drizzle. The storm of the 26th was the only notable event of the month. Winds speeds were below the average levels for a January.

The month began with a warming spell which began during the last few days of December. Any normal and above normal temperatures were welcomed after a cold December. Temperatures rose above 50° on the 1st and briefly on the 2nd. Other than a handful of stations where the temperature rose to 50° on the 18th or 19th maximum temperatures generally failed to rise above 40°.

There were two periods with temperatures consistently below 35 degrees. The first one occurred from the 8th to the 14th and the second one, which was the coldest of the month, from the 22nd to the 24th.

Other than the events of the 17th—19th and the 26th precipitation amounts were fairly light. Many stations reported at least of a trace snow on the ground on most of the days from the 7th to the end of the month.

New Years day was cloudy and mild with some light rain. Winds upwards to 30 mph ushered in colder weather late on the 2nd. Light snow totaling upwards of 2 inches fell on the 7th and the 8th. On the 11th upwards of 4 inches plus fell in the northern portions of Maryland and Delaware and 1 to 2 inches in the Baltimore and Washington area along with some sleet and freezing rain.

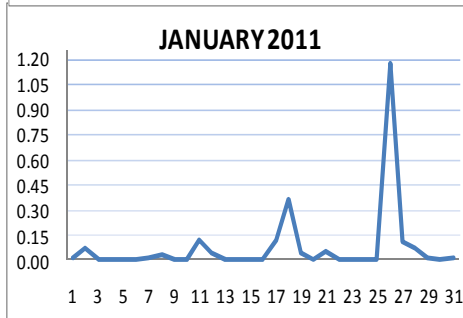
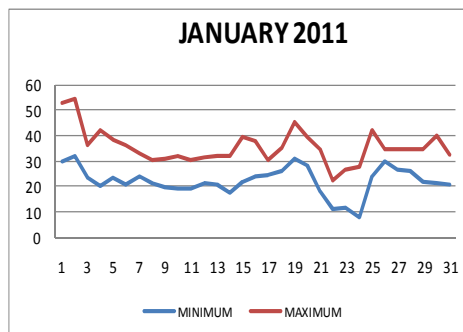
Precipitation on the 17th, which began as snow, changed to sleet and freezing rain and then rain on the 18th. The heaviest snowfall of 1 to 3 plus inches fell from Carroll County westward. The

heaviest liquid amounts fell east of the Chesapeake Bay where totals ranged upwards of one inch plus.

The coldest temperatures of the month occurred from the 22nd to the 24th. Maximum temperatures on the 22nd were generally in the 20 to 25 degree range. Single digit minimums were common on the 24th. The only zero or below temperatures in Maryland occurred at **Frostburg** and **Smithsburg 2 NE**.

A major storm occurred on the 26th. This storm came in two parts. The first portion's precipitation which began as snow, changed to sleet, freezing rain, and then to rain before ending. Snowfall amounts from this portion of the storm was around 1.5 inches or less. After a lull phase two began as rain which changed

Continued on page 4



ACON MD/DE Network

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

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	61
Pasadena 2 N	59
Laurel 2 E	59

MINIMUM TEMPERATURE

Davis 3 SE WV	-4
Frostburg	-1
Smithsburg 2 NE	0
Millers 4 NE	1

WARMEST AVG. TEMP.

Ridge	33.2
Baltimore 2 SE	33.0
Hollywood 3 ENE	32.9

COLDEST AVG. TEMP.

Davis 3 SE WV	19.4
Frostburg	21.9
Manchester 1 SW	26.0
LaVale	26.3

MAXIMUM PRECIPITATION

Davis 3 SE WV	4.54
DEOS Harbeson 8 S DE	3.22
Bear 2 SW DE	3.05
DEOS Rehoboth Bwk DE	3.05

MINIMUM PRECIPITATION

LaVale	1.13
Smithsburg 1.5 SW	1.29
Frostburg	1.44

MAXIMUM SNOWFALL

Davis 3 SE WV	72.5
Frostburg	23.5
Millers 4 NE	22.9
Manchester 1 SW	20.6

MINIMUM SNOWFALL

Hollywood 3 ENE	1.2
Ridge	1.9

New station added: **Rehoboth DE Boardwalk**. It is a Delaware Environmental Observation System (DEOS) station. Data from any DEOS station can be found at www.deos.udel.edu

OBSERVER COMMENTS FOR JANUARY 2011

Gary Gallaher of Bear 2 SW, DE

Persistence cold with no extreme cold. Temperatures remained below 45° from the 3rd to the end of the month. Snow was on the ground for 24 of the last 25 days. Average daily peak wind gust of 20.6 mph was the lowest for January in 21 years of records.

26th - Thunder with heavy sleet. 10.3" of snow was the third greatest daily January snowfall in 44 years of records.

Greg Latta of Frostburg

Maximum snow depth 9". Snow on the ground from the 7th to the end of the month.

Nate Mullins of LaVale

The monthly high of 44 tied January 2003 for the lowest extreme max for any month.

8th - AM snow squall, then partly cloudy, WNW winds to 30.

26th - Daily record snowfall 7.0".

Jeff Stoudt of Laurel 2 E

11th - -SN/FZDL afternoon; -SN/SN evening.

17th - -PL/-FZRA began as -SN ~ 2000.

18th - -FZRA/-IP till dawn; -FZDZ later AM.

Marty Sharrow of Owings Mills

1st - Overcast and much milder.

3rd - Ineffective sunshine & colder; windy.

11th - Overcast with late day & night snow.

Joe Manfre of Baltimore 2SE

2nd - Cloudy, mild, a few rain showers, becoming windy and cold in the evening.

26th - AM light snow, then sleet, rain, and snow in evening with thunder.

31st - Partly cloudy, cold, few evening light snow showers.

Ralph Hartsock of Westminster 4 SSE

9th - Sunny, very cold, windy.

12th - Cold, drifting and blowing snow.

21st - Clearing, windy & colder. Blowing snow.

26th - Late blowing & drifting snow, thunder and lightning

Bobby Miller of Millers 4 NE

8th - AM band of heavy snow, and afternoon flurries.

18th - Snow to sleet. 1:20 AM 1/4" in glaze. Heavy evening fog visibility 1/8 mile.

26th - Evening thunder snow.

Ray Muller of Westminster City

18th - Freezing rain, freezing drizzle, light snow.

26th - Heavy snow 10.4" By evening visibility 1/16 mile in heavy snow.

Eric Glass of Emmitsburg 2 SE

13th - Light clouds, windy, cold.

Rob Cohen of Potomac 4 N

January turned out not as much a departure from normal as it felt (-2.9 deg), probably due to the closer to normal minimums and lack of above normal daytime maximums (5). This was the coldest Dec-Jan combo since 1994. Also, it was the snowiest January since 2000.

26th - Snow / sleet before dawn: 1.0". 3 - 4 PM heavy sleet to heavy snow, 1 to 2" per hour, distant lightning. 7.5" by 10:30 PM.

Rich Giannola of Olney 1 S

Barometer: Max 30.48" on 31st, Min 29.41" on 8th.

Richard Holden of Clarksburg 2 ENE

The 18.5" of snow was the most in January since 2000 when 26.6" fell. Sleet fell on the 11th, 17th, 18th & 26th. Glaze on the 18th & 19th. Thunder occurred on the 26th.

Stan Rossen of Glenmont 1 NNE

26th - Light snow began shortly before 3 AM and it became moderate for a time. By 5:00 AM the snow had tapered and a little bit of sleet was mixing in. Around 6 AM the sleet was the dominant form of prec. with the snow fading out and a little light rain was starting to mix in. All the frozen prec. was gone by 7 AM. The rain was quite light and tapered to a light drizzle not long thereafter. By 9 AM there was a very light mix of ice pellets and drizzle. The sleet was gone after 10 AM having added another 0.2" since the last measurement. In the meantime, the light drizzle tapered to a light mist after 11 AM that stopped for a while around 1 PM before resuming. The total prec. at this time was .35". The light mist became a light rain before sleet started mixing in before 3 PM. By 4 PM both the rain and the sleet was gone and only snow was falling again. It fell heavily for a time in the late afternoon before tapering and falling at a light to moderate rate well into the evening. It tapered to flurries after 10 PM and was gone by 11 PM. The temperature remained above freezing for the entire storm bottoming at 32.4° at 6:35 PM. This storm knocked out the power three times after dusk. Two outages were brief but the third one lasted 46½ hours.

Kevin Shaw of Gaithersburg 2 WNW

Snowfall was the 6th greatest for January and the greatest since 2000 when 23.9" fell. At least a trace of snow was on the ground from the 7th to the 31st except for the 25th. The minimum temperature failed to rise above 32°.

26th - Daily records set for precipitation and snowfall. Moderate to heavy snow mid afternoon into late evening with thunder-sleet and thunder-snow.

Joe Terry of Forest Glen

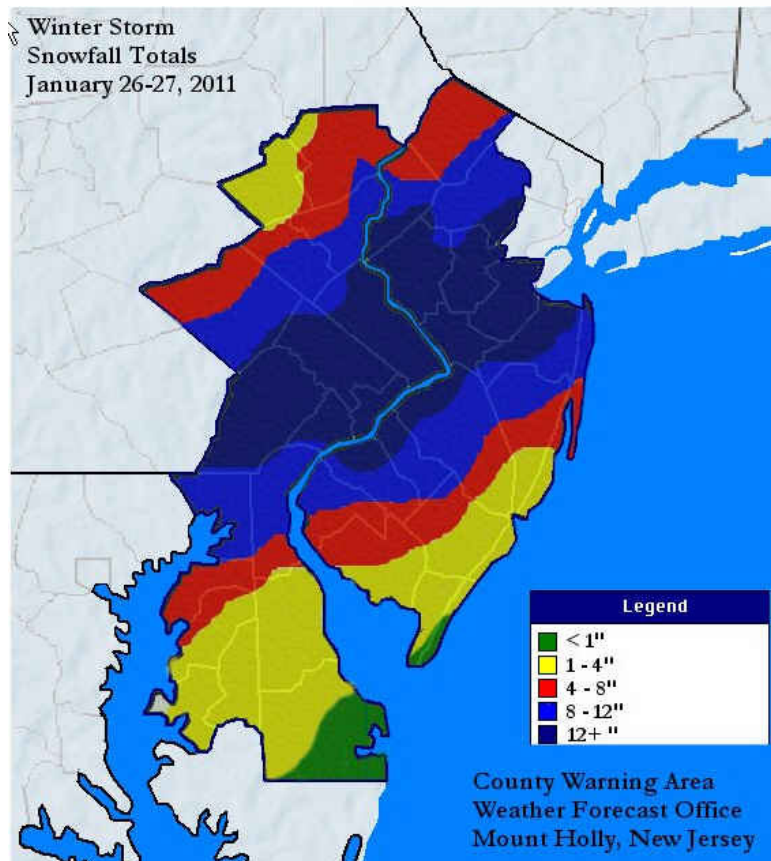
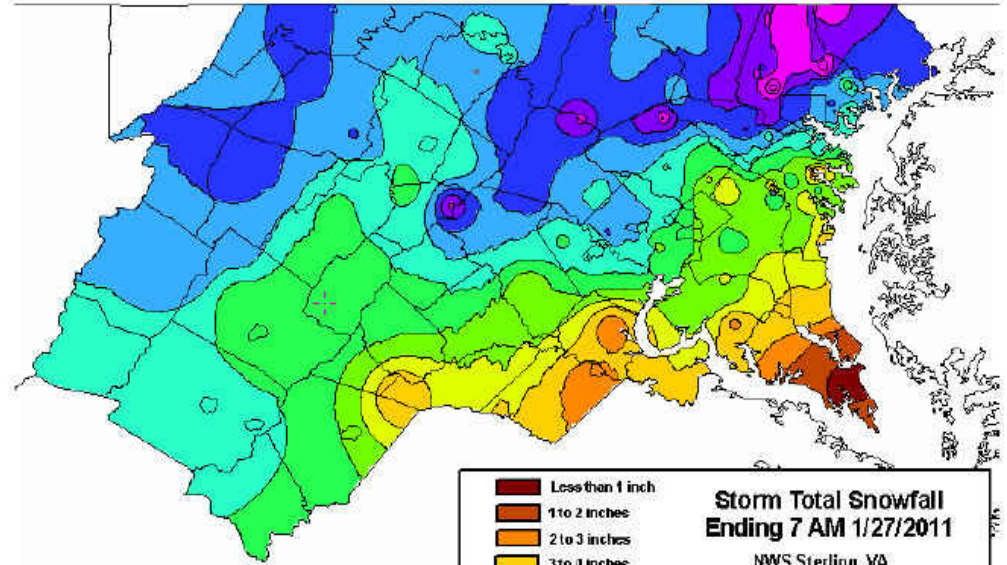
18th - Freezing rain from midnight to almost dawn resulted in 0.1" ice accumulation on all surfaces. Some transformer flashes evident due to ice buildup.

26th - Major snowstorm. A period of moderate snow and sleet early left about 1.5" on the ground then mixed with and changed to rain, ending by noon. Rain resumed at 1330, changed to sleet by 1530 and snow by 1600. Snow became moderate to heavy and ended by 2300. Another 7.2" of heavy, wet snow fell in these last 7 hours. Snow to liquid ratio was a very low 6:1. Thunder and lightning was observed a few times from 1745 to 1830. Power went out at 2015 (for 50 hours, 2nd longest in station history) as the snow's weight began breaking large tree limbs all over the neighborhood. Snow and tree damage made most side streets virtually impassable. Snow depth by the end of the day was 8".

[Continued on page 4](#)

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.

Maryland / Delaware / D.C. ACON January 2011

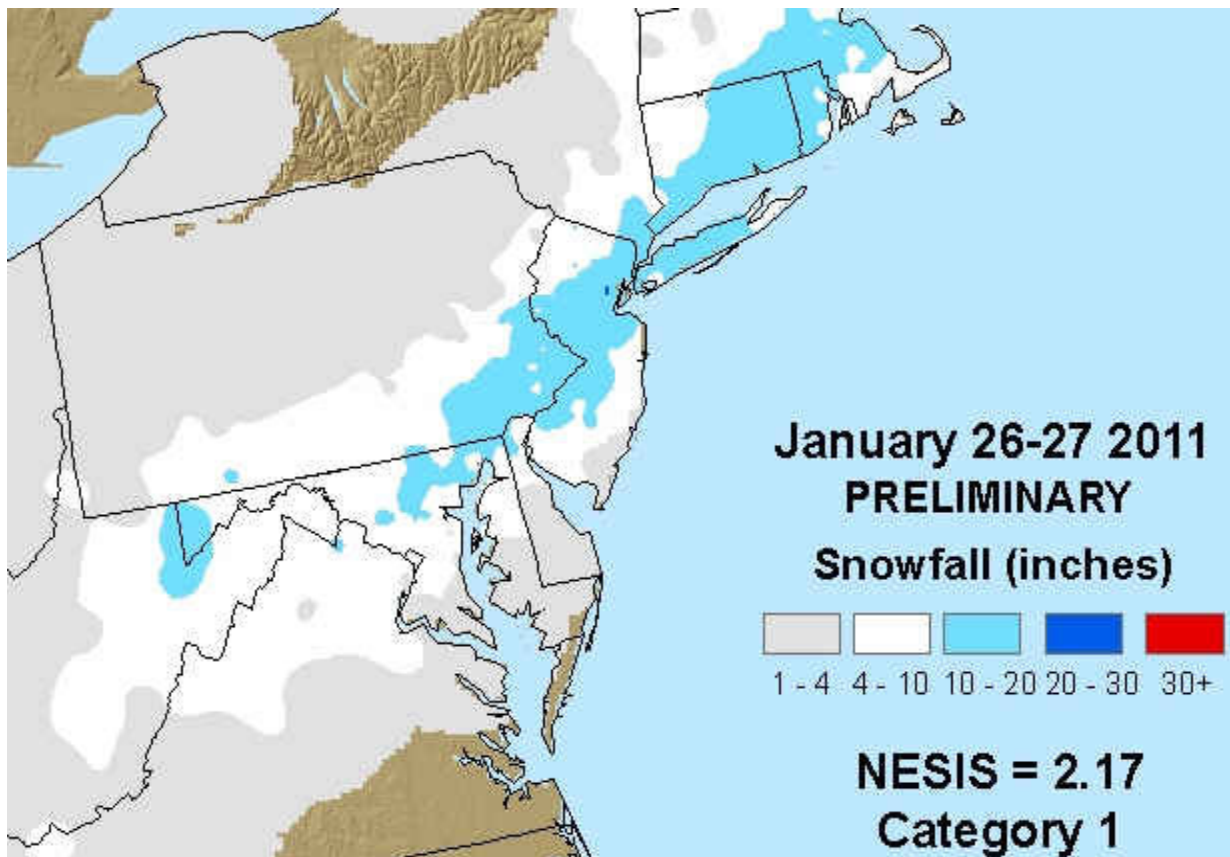


January 26/27 Snowfall Totals

Above: Sterling (Baltimore / Washington)
NWS Coverage Area Snowfall Map

Left: Mt Holly (Philadelphia) NWS Coverage
Area Snowfall Map

Maryland / Delaware / D.C. ACON January 2011



NORTHEAST SNOWFALL MAP OF THE JANUARY 26—27 STORM

Observer Notes Continued From Page 2

Brian Smith of Oxon Hill

26th - Mix 0200-0600, snowfall 0.4; -RADZ 0600-1400 w/few PL/SN; +TSRAPL 1539-1600; +SN 1600-2200; -SN 2200-2300. SD7, max depth 8".

John Zyla of Ridge

11th - Cloudy, sporadic freezing drizzle, snow at 9 PM.

26th - Rain 1:30 - 5:50 PM = 1.00", then snow 5:30 - Midnight = 1.6" (0.23").

Max Hutto of Smithsburg 1.5 SW

7th - Overnight snow, little temp change, breezy.

18th - Overnight freezing rain.

19th - Overnight freezing rain.

24th - Very cold AM, not quite as cold PM, partly cloudy, breezy.

Greg Keefer of Hagerstown 1 E

5th - Windy overnight west winds gusting to 34 MPH.

17th - Snow began this evening around 8:30 PM accumulating to 1.7" by midnight.

18th - Snow changed to sleet and freezing rain just after midnight tapered off to a freezing mist by dawn.

26th - Light snow fell this morning between 3 AM - 8 AM. Snow began again 2:30 PM and continued till 10 PM. Snow was moderate to heavy and a heavy wet snow. Some sleet was mixed in briefly. Water content from snow core sample 0.71".

Jim Vaughn of Smithsburg 2 NE

January 2011 will go down as being colder and drier than average with above average snowfall. It will also be know for one more thing, no daily, monthly, or yearly records were set. This is only the second such month in 58 years of records.

Report Continued From Page 1

to sleet and then heavy wet snow. Thunder-sleet and thunder-snow was common as the changeover moved northwards during the afternoon and early evening. The evening rush hour in Washington, D.C. and Baltimore areas was gridlocked. **Kevin Shaw of Gaithersburg 2 WNW** spent 6 plus hours driving home during the evening. **Bobby Miller of Millers 4 NE** trip, who left for home at 1 AM, took 3 hours. Snowfall amounts of seven to ten inches were common from Washington, D.C. northwards. The greatest amounts reported by an ACON observer was by **Marty Sharrow of Owings Mills** who measured 13.5 inches of snow and a liquid amount of 1.94". Power outages of upwards of 50 plus hours occurred in the Washington, D.C. area. **Joe Terry of Forest Glen** lost power for 50 hours and **Stan Rossen of Glenmont 1 NNE** lost power for 46½ hours.

Flurries occurred on the 29th. The month ended on the 31st with cold maximum temperatures which failed to rise above the 30° to 35° range along with some afternoon and evening snow flurries.

**ACON MD / DE / DC
JANUARY 2011 SUMMARY**

OBSERVER	STATION COUNTY, STATE	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME PRECIP/TEMP		
		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	36.2	21.0	28.6	58	1+	9	24	0	8	29	38	WNW	9	3.05	1.65	26	3.05	12	1	18.0	10.3	26	22.0	2400
Legates, David	Middletown 6 N	36.6	21.8	29.2	58	1	10	24	0	8	29	25		21	2.26	1.45	26	2.26	14	1					2400
NWS Wilmington	New Castle Co. Apt.	35.3	21.6	28.5	58	2	8	24	0	11	30	40	WNW	21	3.22	1.57	26	3.22	12	1	18.0	10.3	26	22.0	2400
UofDE AG FARM DEOS***	Newark	35.1	21.2	28.2	57	1	9	24	0	11	29	23		9	0.04	0.04	2	0.04	1	0					2400
U of D REC DEOS***	Townsend 4 W	34.9	21.4	28.2	57	1+	9	24	0	12	30	30		21	2.48	1.11	26	2.48	12	1					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	38.9	24.0	31.5	58	1	8	24	0	6	28	40	WNW	21	2.99	1.20	26	2.99	12	1					2400
U of D REC DEOS***	Georgetown 5 SW	37.7	23.9	30.8	56	1+	8	24	0	10	27	29		26	2.79	1.09	26	2.79	12	1					2400
U of D REC DEOS***	Harbeson 8 S	38.0	23.4	30.7	57	1	8	24	0	9	28	28		26	3.22	1.24	26	3.22	12	1					2400
U of D DEOS***	Rehoboth Beach Bwk	37.7	26.1	31.9	56	1	15	23	0	6	27	35		26	3.05	0.99	26	3.05	12	0					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	28.9	14.9	21.9	52	1	-1	22+	0	21	29				1.44	0.64	27	1.44	11	0	23.5	5.6	27	37.5	0700
Mullins, Nate**	LaVale	32.4	20.2	26.3	44	4	2	24	0	20	31				1.13	0.63	26	1.13	10	0	15.0	7.0	26	18.5	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	37.4	22.2	29.8	59	1	10	23+	0	7	30	32	WSW	12	2.42	1.55	26	2.42	11	1	7.5	7.5	26	9.3	2400
Jug Bay Wetlands	Lothian	38.5	23.7	31.1	58	1+	5	24	0	6	30				2.32	0.83	26	2.32	8	0	6.0	4.5	27	6.0	2400
NWS Baltimore	BWI Airport	37.8	22.7	30.3	60	2	8	24	0	6	30	40	W	12	2.66	1.82	26	2.66	9	1	10.7	7.6	26	11.9	2400
Stoudt, Jeff	Laurel 2 E	37.1	24.0	30.6	59	2	9	24	0	5	30				2.28	1.49	26	2.28	10	1	10.0	7.3	26	11.9	2400
<i>Baltimore, Maryland</i>																									
Muller, Ray	Reisterstown	PRECIPITATION ONLY STATION FOR JANUARY													2.71	1.30	27	2.71	10	1	20.2	12.0	27	20.2	0700
Sharrow, Marty	Owings Mills 2 SE	34.7	20.0	27.4	57	1	4	24	0	13	31				2.83	1.94	26	2.83	10	1	19.8	13.5	26	21.8	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	38.6	27.4	33.0	61	2	15	24	0	3	26				2.00	1.18	26	2.00	8	1	8.4	6.5	26	9.9	2400
Maryland Science Ctr	Baltimore Inner Harbor	38.4	27.8	33.1	61	2	16	22+	0	4	25				2.06	1.26	26	2.06	9	1					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	33.6	18.4	26.0	54	1+	2	22	0	17	30				2.10	1.25	26	2.10	10	1	20.6	10.6	26	22.5	2300
Hartsock, Ralph	Westminster 4 SSE	35.5	22.6	29.1	54	1+	7	24	0	8	30	43	WNW	12	2.01	0.64	27	2.01	9	0	19.8	8.0	27	21.3	1900
Miller, Bobby	Millers 4 NE	34.3	20.4	27.4	54	2	1	24	0	15	30	36	SW+	12+	2.77	0.86	27	2.77	12	0	22.9	7.5	27	25.2	1800
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	PRECIPITATION ONLY STATION FOR JANUARY													2.92	1.83	26	2.92	10	1	7.7	5.9	26	10.3	2359
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	34.6	19.9	27.3	53	2	4	24+	0	13	31				2.73	1.25	18	2.73	10	1	17.0	8.0	27	19.0	0700
<i>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	35.6	22.9	29.3	58	2	9	24	0	12	30	35	WSW	9	2.55	1.69	26	2.55	8	1	14.2	10.5	26	16.1	2400

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<u>Montgomery, Maryland</u>																									
Berger, Ron	Norbeck 1 SE	36.1	23.0	29.6	57	2	7	24	0	8	29				2.16	1.31	26	2.16	11	1	11.0	7.5	26	12.1	2200
Cohen, Rob	Potomac 4 N	36.4	23.8	30.1	57	2	9	24	0	9	29				2.32	1.50	26	2.32	8	1	11.4	8.5	26	12.9	2100
Giannola, Rich	Olney 1 S	36.6	22.1	29.4	56	2	8	24	0	7	29				2.08	1.45	26	2.08	8	1	12.9	11.0	26	15.0	2400
Holden, Richard	Clarksburg 2 ENE	35.1	22.6	28.9	56	1+	10	22+	0	15	30	44	W	12	2.68	1.66	26	2.68	9	1	18.5	12.2	26	22.0	2400
Roth, David	Montgomery Village 1SW	37.4	21.9	29.7	58	2	6	24	0	9	31				1.78	1.02	26	1.78	11	1					2400
Rossen, Stan	Glenmont 1 NNE	38.1	22.5	30.3	57	1+	9	24	0	5	31	20		12	2.16	1.42	26	2.16	9	1	10.8	7.6	26	12.5	2400
Scafide, Tony	Bethesda	36.8	24.2	30.5	58	2	13	24	0	8	29	21		13	<u>1.37</u>	0.38	29	<u>1.37</u>	11	0					2400
Shaw, Kevin	Gaithersburg 2 WNW	37.2	23.5	30.4	58	2	10	24	0	7	31	26	NW	12	2.23	1.43	26	2.23	11	1	13.7	8.8	26	15.8	2400
Terry, Joe	Forest Glen	39.5	24.2	31.9	58	2	11	24	0	4	28	32	SW	21	2.53	1.75	26	2.53	9	1	12.3	8.7	26	14.3	2400
<u>Prince Georges, Maryland</u>																									
Smith, Brian	Oxon Hill	38.5	25.3	31.9	58	1+	11	24	0	5	27				2.72	1.88	26	2.72	10	1	10.6	8.0	26	13.0	2300
<u>St. Marys, Maryland</u>																									
Gleason, Wes	Hollywood 3 ENE	39.3	26.5	32.9	58	2	15	24	0	3	27	30		9	1.83	1.11	27	1.83	8	1	1.2	1.0	26	<u>3.1</u>	0700/2400
Zyla, John	Ridge	38.8	27.5	33.2	58	1	16	22+	0	4	27	25	NE	26	2.36	1.23	26	2.36	10	1	1.9	1.6	26	11.2	2400
<u>Washington, Maryland</u>																									
Hutto, Max	Smithsburg 1.5 SW	34.5	19.5	27.0	53	1	2	24	0	12	31	28		21	1.29	0.63	26	1.29	10	0	16.6	8.0	26	17.9	2400
Keefer, Greg	Hagerstown 1 E	34.4	20.2	27.3	52	1	4	24	0	14	31	38	W	21	1.41	0.71	26	1.41	10	0	15.6	8.0	26	16.9	2400
Vaughn, Jim	Smithsburg 2 NE	34.3	17.7	26.0	56	1+	0	24	0	14	31	56	SW	21+	1.87	0.90	26	1.87	9	0	17.2	8.8	26	18.3	2400
<u>Wicomico, Maryland</u>																									
NWS Salisbury	Wicomico Co. Apt	39.6	23.7	31.7	58	1	8	24	0	3	28	40	NNW	21	3.01	1.27	26	3.01	12	1					2400
<u>Arlington, Virginia</u>																									
NWS Washington National	National Airport	39.7	27.6	33.7	59	2	17	22+	0	3	26	41	NW+	12+	2.25	1.52	26	2.25	10	1	7.3	5.0	26	9.4	2400
<u>Loudon, Virginia</u>																									
NWS Washington Dulles	Dulles Airport	37.8	22.1	30.0	58	2	6	24	0	8	30	43	WNW	12	1.87	1.31	26	1.87	9	1	10.3	7.3	26	11.8	2400
Shaffer, Lance	Sterling 4 N	38.0	25.2	31.6	57	1+	10	24	0	5	29				2.22	1.65	26	2.22	8	1	10.1	7.0	26	12.0	2400
<u>Tucker, West Virginia</u>																									
Leshner, Dave	Davis 3 SE WV	26.3	12.5	19.4	51	2	-4	24	0	24	30				4.54	1.13	27	4.54	22	1	72.5	9.9	8	149.2	0700
SECTION AVERAGE*		36.2	22.2	29.2											2.72		2.72				13.0		15.1		

NOTES:

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

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

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

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

M OR UNDERLINE= MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

ITALIC = ESTIMATED DATA

+ = FIRST OF SEVERAL OCCURRENCES

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.

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 4/11/11 Rev 2

ACON MD / DE / DC
JANUARY 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	58 28	58 34	37 21	41 18	38 21	36 20	35 22	32 20	33 23	34 20	31 17	33 16	31 14	33 10	38 17	37 19	28 25	37 28	45 34	39 31	34 19	23 14	27 10	27 9	39 25	35 32	37 25	36 20	36 20	41 13	32 21.0	2400 EST	
MIDDLETOWN 6 N LEGATES	58 28	57 34	37 22	42 20	38 22	37 19	36 22	31 22	34 23	34 21	31 18	32 22	32 20	34 14	38 17	28 22	28 25	37 38	46 33	40 29	34 12	24 28	28 28	41 9.6	34 25	37 32	36 25	38 32	42 21	34 18	36.6 21.8	2400 EST	
WILMINGTON , DE NWS NEW CASTLE CO APT	56 29	58 32	37 26	41 20	38 22	36 21	33 23	29 22	31 22	31 20	31 18	31 20	28 16	30 14	37 18	36 20	28 24	37 28	44 34	38 28	33 11	23 11	27 8	26 26	40 31	35 23	36 23	34 24	36 21	39 17	34 21.6	2400 EST	
NEWARK AG FARM, DE U OF D DEOS	56 28	57 33	36 23	41 19	37 23	36 22	33 21	30 21	32 22	31 20	30 17	31 19	30 20	31 11	37 18	36 21	27 25	36 28	43 33	38 31	33 18	21 12	25 11	26 8.7	40 25	34 30	35 21	35 22	37 23	41 13	35.1 21.2	2400 EST	
TOWNSEND 4 W, DE U of D REC DEOS	57 29	57 33	35 26	39 25	37 24	35 22	33 23	28 21	32 22	29 21	31 20	30 18	30 17	30 13	39 17	37 20	28 25	36 28	45 32	38 31	34 18	22 12	26 12	28 9	41 25	34 31	34 23	35 21	36 20	38 12	29 21.4	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	58 30	57 36	36 24	43 22	42 23	39 20	36 23	32 23	32 22	33 19	32 17	33 26	33 24	34 19	44 19	40 23	37 27	45 34	51 33	42 26	43 21	24 13	27 12	31 8	51 26	38 32	37 30	39 30	38 27	43 26	38.9 24.0	2400 EST	
GEORGETOWN, DE U of D REC DEOS	56 35	56 35	35 25	41 24	40 27	37 30	36 23	31 21	31 21	32 17	31 16	32 26	32 23	32 19	42 24	38 27	36 33	43 33	50 43	42 21	23 12	27 12	30 7.9	49 26	38 31	35 29	38 30	38 27	42 25	33 28	37.7 23.9	2400 EST	
HARBESON 8 S, DE U of D REC DEOS	57 31	56 35	35 23	43 21	41 21	36 19	35 22	32 23	31 21	32 16	32 15	32 26	32 23	33 19	43 18	40 22	37 26	50 34	50 33	41 29	43 21	22 13	26 12	27 8.4	49 26	38 31	36 29	39 30	37 27	42 24	38.0 23.4	2400 EST	
Rehoboth Beach Bwk U of D DEOS	56 38	55 35	36 27	43 27	41 26	35 25	36 25	34 22	31 22	32 22	35 22	33 25	31 23	33 22	43 22	40 26	36 29	47 34	48 33	40 31	43 21	22 17	26 15	28 18	39 28	37 31	37 28	36 30	38 29	43 28	37.7 26.1	2400 EST	
FROSTBURG LATTA	52 33	47 35	35 15	37 15	39 18	39 16	30 16	28 12	30 10	23 10	19 11	24 11	24 16	24 13	24 15	24 16	24 16	37 17	42 22	35 21	27 16	25 -1	15 0	29 -1	39 2	28 27	26 20	29 13	29 16	34 11	28.9 14.9	0700 EST	
LAVALE MULLINS**	42 30	41 24	38 21	44 16	37 24	34 18	29 23	23 16	27 16	30 16	28 17	28 21	28 19	30 17	40 21	31 24	32 22	37 24	38 32	32 26	26 27	24 24	28 7	30 11	32 2	31 24	30 26	39 25	39 16	39 32	28.4 20.2	2400 EST	
PASADENA 2 N HANSON	59 28	57 34	39 24	44 19	40 22	38 20	34 23	32 23	34 21	34 19	30 19	36 20	34 22	40 16	39 22	30 23	30 25	50 36	43 31	35 40	24 18	29 11	28 10	42 25	34 31	38 26	36 27	42 18	36 25	42 22.2	2400 EST		
LOTHIAN JUG BAY	58 29	58 33	38 23	46 20	42 22	40 22	34 25	33 25	33 22	35 17	32 19	34 23	34 25	44 16	40 21	31 24	35 28	52 29	45 32	37 26	25 27	31 16	30 27	49 5	35 24	37 31	37 26	39 23	45 21	32 27	38.5 23.7	1500 EST	
BALTIMORE NWS BWI APT	59 29	60 33	39 24	45 20	40 22	39 21	34 24	33 22	35 21	36 19	31 22	33 22	35 19	34 22	41 19	40 24	30 25	36 25	50 32	43 29	36 18	25 12	29 12	29 8	45 25	35 32	36 26	35 27	34 20	42 18	37.8 22.7	2400 EST	
LAUREL 2 E STOUDT	58 31	59 33	38 24	44 20	38 25	39 22	33 26	32 23	33 22	35 23	33 22	34 25	34 22	41 20	39 25	31 27	35 26	47 32	42 30	36 17	24 14	28 14	30 9	45 27	35 32	34 30	34 29	40 24	33 21	37.1 24.0	2400 EST		
REISTERSTOWN MULLER																																	0700 EST
OWINGS MILLS 2SE SHARROW	57 27	52 32	35 22	43 17	35 23	35 19	31 22	30 19	30 18	31 17	31 19	32 14	31 18	30 15	39 20	38 24	28 22	34 21	43 31	37 30	34 15	23 7	25 8	26 4	41 25	34 28	34 26	33 18	39 18	30 15	34.7 20.0	2400 EST	
BALTIMORE 2SE MANFRE	56 36	61 36	39 29	46 27	41 32	40 30	35 30	34 25	34 23	37 24	33 27	33 25	35 25	43 24	42 29	33 26	39 28	50 35	42 35	37 20	24 16	29 18	29 15	44 29	37 33	37 32	38 31	44 28	35 27	38.6 27.4	2400 EST		
BALT INNER HARBOR MD SCIENCE CENTER	54 36	61 36	39 29	45 27	40 32	39 30	35 25	33 23	34 24	35 27	33 26	34 25	35 24	43 29	42 31	32 26	39 28	50 35	42 37	37 20	24 16	29 19	29 16	43 29	38 33	37 33	37 32	44 29	35 27	38.4 27.8	2400 EST		
MANCHESTER 1SW CLOSE	54 33	54 26	35 18	44 20	34 19	35 20	29 15	28 13	30 14	28 20	33 18	31 15	31 13	32 20	31 21	31 19	28 29	37 29	40 26	36 10	30 2	20 8	25 4	40 20	32 27	40 23	32 16	32 23	28 17	29 23.6	2300 EST		
WESTMINSTER 4 SSE HARTSOCK	54 30	54 41	34 23	42 20	36 26	34 22	33 27	33 26	29 18	34 19	33 21	33 23	31 18	33 18	42 21	33 25	33 24	39 25	48 30	42 30	20 19	25 10	28 10	42 7	34 24	34 29	35 28	32 27	38 20	31 22	35.5 22.6	1900 EST	
MILLERS 4NE MILLER	52 32	54 39	39 22	43 17	37 25	35 17	31 23	28 21	31 17	32 18	30 21	31 17	32 17	30 16	38 19	27 24	32 21	41 31	38 28	31 17	20 5	24 6	26 1	42 20	34 29	33 27	34 26	30 17	39 24	32 14	34.3 20.4	1800 EST	
BRYANS ROAD 2 ESE BRUMBACK																																	2400 EST
EMMITSBURG 2 SE GLASS	46 23	53 29	48 25	37 17	44 17	35 18	36 20	33 24	28 19	31 19	33 15	30 20	31 21	31 20	41 20	34 23	29 22	36 27	41 30	34 28	28 9	22 9	25 4	29 4	39 26	34 28	34 26	33 17	31 22	38 12	34.6 19.9	0700 EST	
LAUREL JHU / APL GIANNOLA	56 32	58 31	35 24	45 19	36 25	37 22	31 26	29 19	30 19	32 20	31 25	31 23	32 21	41 20	38 25	28 26	34 23	45 32	39 30	34 15	23 11	26 12	28 9	45 25	34 31	34 28	36 29	34 23	41 20	31 22	35.6 22.9	2400 EST	

ACON MD / DE / DC
JANUARY 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
NORBECK 1 SE BERGER	56 33	57 34	37 23	45 19	39 26	37 20	33 24	33 22	31 19	33 20	33 20	32 23	31 22	33 20	33 23	39 26	39 26	30 26	33 26	36 32	24 17	27 11	28 7	44 26	35 32	32 29	34 28	33 23	38 19	33 24	36.1 23.0	2200 EST	
POTOMAC 4N COHEN	55 33	57 36	37 25	44 21	38 28	37 23	33 25	30 22	32 19	31 21	32 21	32 26	33 24	33 19	40 25	39 26	30 25	34 26	47 31	40 30	36 19	24 12	28 9	29 26	44 35	35 31	36 29	35 28	35 22	40 20	33 21	36.4 23.8	2100 EST
OLNEY 1 S GIANNOLA	55 34	56 32	36 23	43 20	38 24	37 20	32 23	31 21	32 18	34 19	33 20	33 19	34 21	33 18	38 23	38 23	30 25	33 24	45 30	40 27	35 16	> >	28 11	30 8	44 25	34 31	34 27	35 25	34 19	40 17	32 19	36.6 22.1	2400 EST
CLARKSBURG 2ENE HOLDEN	56 37	56 29	36 23	45 24	37 26	36 22	32 25	28 19	30 18	32 19	30 21	31 20	31 19	31 22	40 25	38 23	30 24	32 37	44 47	36 44	34 22	27 10	29 12	43 10	35 25	33 31	33 27	33 23	32 24	39 22	30 22	35.1 22.6	2400 EST
MONTGOMERY VILLAGE ROTH 1SW	57 29	58 32	36 25	40 21	37 23	34 20	32 25	31 20	32 20	31 19	33 19	33 21	32 23	33 19	43 24	35 26	38 26	37 26	47 30	44 25	32 12	24 11	27 6	30 25	47 29	37 26	39 26	40 18	38 15	47 17	35 21.9	2400 EST	
GLENMONT 1NNE ROSSEN	57 29	57 32	40 22	47 19	40 24	41 21	34 26	34 21	35 20	34 20	33 20	34 20	36 23	36 19	41 23	39 25	31 26	34 27	48 39	42 28	37 18	25 12	29 12	31 9	46 26	36 32	36 27	36 27	35 21	44 17	32 21	38.1 22.5	2400 EST
BETHESDA SCAFIDE	56 36	58 32	37 26	45 24	38 27	37 24	33 27	31 21	32 19	33 21	32 23	32 21	33 23	34 19	42 25	39 28	30 26	33 27	49 32	41 29	36 17	24 14	28 13	28 27	45 36	35 32	M M	35 23	41 21	34 25	36.8 24.2	2400 EST	
GAITHERSBURG 2WNW SHAW	57 31	58 32	38 24	46 20	39 24	39 22	34 26	32 21	33 20	34 22	34 21	34 24	35 23	41 21	40 25	31 27	34 26	46 26	40 32	36 30	25 17	28 14	30 12	44 10	35 27	36 32	37 28	34 22	42 18	32 22	37.2 23.5	2400 EST	
FOREST GLEN TERRY	57 34	58 33	41 25	49 22	43 25	42 23	34 27	34 21	36 20	34 22	34 22	35 22	37 24	38 19	43 25	40 27	35 26	53 28	44 33	37 29	28 18	32 14	31 11	46 28	36 32	40 27	37 30	40 23	47 20	33 25	39.5 24.2	2400 EST	
OXON HILL SMITH	58 37	58 33	39 25	44 23	41 28	40 25	34 28	33 22	31 22	34 23	36 24	32 24	35 26	35 21	45 24	40 27	32 28	34 29	52 33	44 33	26 20	30 14	31 11	47 27	36 32	37 29	36 26	44 23	36 28	44 23	38.5 25.3	2300 EST	
HOLLYWOOD 3 ENE GLEASON	M M	58 36	39 25	43 26	44 26	41 24	37 31	35 25	35 24	35 23	33 24	36 29	38 27	37 23	46 23	42 31	36 27	36 32	53 34	53 28	40 16	26 16	31 15	30 27	49 33	37 32	39 28	35 27	39 26	44 31	35 26.5	2400 EST	
RIDGE ZYLA	58 42	57 33	37 28	42 30	42 29	39 29	37 24	35 23	35 24	32 27	37 24	38 27	36 26	37 21	47 26	39 30	35 30	46 36	41 35	40 31	23 16	31 17	29 16	46 29	37 32	39 31	36 29	41 27	43 30	36 29	38.8 27.5	2400 EST	
SMITHSBURG 1.5 SW HUTTO	53 28	47 28	35 20	46 15	36 16	36 15	33 26	27 19	28 18	30 13	29 12	29 21	30 21	31 18	40 22	38 23	30 22	33 23	42 31	36 29	35 14	22 7	24 10	30 2	42 26	35 29	33 26	34 24	32 20	39 19	33 6	34.5 19.5	2400 EST
HAGERSTOWN 1E KEEFER	52 29	48 29	36 23	46 16	35 18	36 17	33 26	28 19	30 18	30 15	28 14	31 21	31 18	40 23	37 23	30 23	34 23	42 31	35 29	34 14	22 9	25 10	29 4	42 27	32 30	33 25	34 25	32 24	39 18	31 9	34.4 20.2	2400 EST	
SMITHSBURG 3 NE VAUGHN	56 32	56 24	34 18	44 23	37 18	34 18	33 20	27 14	28 12	30 14	30 14	28 15	29 15	29 16	41 22	37 20	29 19	41 16	37 29	41 34	22 8	22 4	28 0	41 23	39 25	32 21	35 23	33 20	37 23	30 12	34.3 17.7	2400 EST	
SALISBURY NWS WICOMICO CO APT	58 34	56 35	36 24	41 21	42 22	39 21	38 23	34 25	35 23	36 19	35 18	34 27	34 24	36 19	44 18	41 24	39 29	51 33	50 28	44 18	37 20	24 12	30 11	33 8	50 26	40 32	37 31	41 28	39 26	44 30	39.6 23.7	2400 EST	
WASH NATIONAL NWS ASOS	58 34	59 34	41 28	43 25	43 31	41 28	35 31	35 24	36 23	35 25	34 28	36 27	37 26	37 23	46 28	42 31	33 29	36 30	53 35	44 35	39 20	28 17	32 18	46 32	37 29	37 33	38 31	37 30	44 29	37 27	39.7 27.6	2400 EST	
WASH DULLES NWS ASOS	57 29	58 31	39 25	46 17	40 22	39 21	34 27	32 21	32 20	34 19	32 20	32 22	34 23	36 16	44 22	39 27	32 27	34 26	51 33	41 29	36 18	25 9	29 9	31 6	45 28	35 32	35 25	36 26	44 15	35 24	37.8 22.1	2400 EST	
STERLING 4 N SHAFFER	57 31	57 37	39 27	47 19	41 30	39 29	34 29	33 28	32 20	33 22	32 22	33 19	34 25	36 23	43 26	40 27	33 29	35 28	51 33	42 31	36 23	26 15	30 13	32 10	45 28	36 32	35 29	36 29	35 24	42 20	38.0 25.2	2400 EST	
DAVIS 3 SE WV LESHER	50 41	51 31	31 9	24 9	32 12	24 12	23 10	17 9	11 3	11 3	23 3	35 7	15 7	13 7	20 11	28 15	24 10	32 22	41 30	30 27	11 -3	16 -1	11 -4	32 9	36 26	28 15	24 14	24 10	34 16	24 12.5	0700 EST		

ACON MD / DE / DC
JANUARY 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	0.12					0.07 1.2	0.04 0.5			0.37 3.9	0.03 0.5					0.10 0.7	0.49 0.26	0.04 0.07		0.10 0.5				T T	1.65 10.3	0.01 0.1	0.03 0.3	T T		T T	3.05 18.0	2400 EST		
MIDDLETOWN 6 N LEGATES	0.01	0.13					0.06	0.03				0.08	0.01	0.01	0.05			0.26	0.07		0.05											2.26	2400 EST		
WILMINGTON, DE NWS NEW CASTLE CO APT	T	0.14					0.11 1.2	0.04 0.5			0.41 3.9	0.03 0.5					0.12 0.7	0.55	0.07		0.14 0.5				T T	1.57 10.3	0.01 0.1	0.03 0.3	T T		T T	3.22 18.0	2400 EST		
NEWARK AG FARM, DE U of DE DEOS		0.04																														0.04	2400 EST		
TOWNSEND 4 W, DE U of D REC DEOS		0.22					0.03	0.08				0.10	0.03	0.02				0.70	0.07		0.07											2.48	2400 EST		
GEORGETOWN, DE NWS SUSSEX CO APT	0.09	0.11					T	0.07			0.23	0.01					0.29	0.72	0.01		0.14										T	2.99	2400 EST		
GEORGETOWN, DE U of D REC DEOS	0.09	0.14						0.09			0.01	0.08					0.32	0.65	0.02		0.12												2.79	2400 EST	
HARBESON 8 S, DE U of D REC DEOS	0.08	0.15						0.11			0.01				0.01		0.31	0.99	0.01		0.17												3.22	2400 EST	
Rehoboth Beach Bwk U of DE DEOS	0.06	0.23						0.05			0.22	0.04					0.22	0.88	0.02		0.20												3.05	2400 EST	
FROSTBURG LATTA		0.01					0.07 2.8	0.06 1.3	T 0.7			0.16 3.2	0.03 2.3	T 0.3				0.11 1.4	0.07 T	T T	0.08 1.8	T T	T 0.3		T T	0.18 2.5	0.64 5.6	T 0.2	0.03 1.1			1.44 23.5	0700 EST		
LAVALE MULLINS**	0.02						0.04 1.5	0.01 0.5			0.12 2.5	T T					0.06 1.0	0.10 1.0	T 0.5	0.03		T					0.63 7.0	T 0.1	0.02 0.4		0.10 0.5	1.13 15.0	2400 EST		
PASADENA 2N HANSON		0.14					0.01	0.02				0.11	0.02	0.01				0.38	0.10		0.05												2.42	2400 EST	
LOTHIAN JUG BAY				0.20			T	T				0.10 0.5			0.02			0.38 0.5	0.02		0.02							0.83 0.5	0.75 4.5				2.32 6.0	1500 EST	
BWI NWS ASOS	T	0.05					T T	0.01 0.3			0.16 2.0						0.18 0.6	0.27 T	0.05 T	T T	0.06 0.2						1.82 7.6	T T	0.06 T	T T		T T	2.66 10.7	2400 EST	
LAUREL 2 E STOUDT	0.01	0.07					T T	0.01 0.2			0.19 2.2	T T					0.18 0.2	0.24 T	0.03 T		0.01 0.1						1.49 7.3		0.05 T		T T	2.28 10.0	2400 EST		
REISTERSTOWN MULLER			0.05					0.06 0.6	0.02			0.26 2.4						0.51	0.08	T	0.18 2.1						0.17 2.5	1.30 12.0	T T	0.08 0.6	T T		2.71 20.2	0700 EST	
OWINGS MILLS 2SE SHARROW	0.01	0.03					T 0.1	0.02 0.6			0.14 2.1	T T					0.20 1.0	0.27 0.8	0.05 T	T T	0.10 1.4						1.94 13.5	T T	0.07 0.3	T T		T T	2.83 19.8	2400 EST	
BALTIMORE 2SE MANFRE		0.02					T T	T T			0.14 1.3						0.14 0.5	0.29	0.07	T	0.11 0.1						1.18 6.5	0.05 T	T T				2.00 8.4	2400 EST	
BALT INNER HARBOR MD SCIENCE CENTER		0.02					0.01				0.14						0.13	0.29	0.07		0.09							1.26	0.05					2.06	2400 EST
MANCHESTER 1SW CLOSE	T	0.02					0.03 0.3	0.04 1.0			0.25 3.0						0.08 1.0	0.18 1.9	0.07		0.11 1.5		T 0.1		T T	1.25 10.6	T 0.1	0.07 1.0	T 0.1		T T	2.10 20.6	2300 EST		
WESTMINSTER 4 SSE HARTSOCK		0.04					T 0.2	0.08 1.6			T 2.6	0.17 2.6						0.56 1.5	0.05		0.06 1.2						0.38 4.2	0.64 8.0	0.03 0.5				2.01 19.8	1900 EST	
MILLERS 4NE MILLER	T	0.03					0.02 0.2	0.06 1.2			0.06 0.4	0.23 3.0	T T					0.56 2.8	0.10		0.15 2.0						0.61 5.0	0.86 7.5	0.08 0.7	0.01 0.1			2.77 22.9	1800 EST	
BRYANS ROAD 2 ESE BRUMBACK	0.01	0.37						0.07 1.4			0.01	0.09 0.4					0.17	0.28	0.02									1.83 5.9		0.07				2.92 7.7	2400 EST
EMMITSBURG 2 SE GLASS		T	0.01				0.01 0.5	0.02 1.5				0.60 3.0						1.25 3.0	0.02		0.01 T						0.05 1.0	0.75 8.0		0.01 T				2.73 17.0	0700 EST
LAUREL JHU / APL GIANNOLA		0.02					T 0.1				0.21 2.1						0.19 0.5	0.27 T	0.05		0.06 0.5						1.69 10.5	0.06 0.5			T T		2.55 14.2	2400 EST	

**ACON MD / DE / DC
JANUARY 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
NORBECK 1 SE BERGER	T	0.06					0.01 0.1	0.03 0.4			0.13 1.5	0.02 0.3					0.05 0.3	0.44 0.3	0.01		0.04 0.1					1.31 7.5		0.06 0.5	T		T	2.16 11.0	2200 EST
POTOMAC 4N COHEN	T	0.07					T T	0.04 0.5			0.15 1.5			T T			0.03 0.2	0.42 0.2	0.04		T T					1.50 8.5		0.07 0.5	T		T	2.32 11.4	2100 EST
OLNEY 1 S GIANNOLA		0.05					0.02 0.3	0.02 0.3									> 0.5	0.45	0.02		0.03 0.3					1.45 11.0		0.04 0.5			T	2.08 12.9	2400 EST
CLARKSBURG 2ENE HOLDEN	T	0.03					T 0.1	0.06 0.4			0.22 2.5	T T					0.16 1.3	0.41 T	0.05	T	0.03 0.4		T			1.66 12.2	T	0.06 0.8	T		T	2.68 18.5	2400 EST
MONTGOMERY VILLAGE ROTH 1SW	0.02	0.02					0.01	0.04			0.09						0.21	0.21			0.02			0.09		1.02		0.05				1.78	2400 EST
GLENMONT 1NNE ROSSEN	T.	0.02					T. 0.1	0.02 0.4			0.14 1.5	T. T.					0.20 0.5	0.27 T.	0.01		0.03 0.1					1.42 7.6		0.05 0.6			T. T.	2.16 10.8	2400 EST
BETHESDA SCAFIDE		0.02	0.01					0.01							0.06	0.01		0.19	0.26							0.31	0.11	0.01	0.38			1.37	2400 EST
GAITHERSBURG 2WNW SHAW		0.02					0.02 0.4	0.06 0.8			0.19 2.1			T T			0.16 0.8	0.26 0.2	0.01		0.02					1.43 8.8		0.05 0.5	0.01 0.1		T T	2.23 13.7	2400 EST
FOREST GLEN TERRY	T	0.07						0.02 0.4			0.15 1.7						0.20 0.5	0.26 0.1	0.01		0.02 0.2					1.75 8.7		0.05 0.7			T T	2.53 12.3	2400 EST
OXON HILL SMITH	0.01	0.14						0.04 0.4			0.10 1.0						0.20 0.1	0.23	0.02		0.03 0.3					1.88 8.0		0.07 0.8			T T	2.72 10.6	2300 EST
HOLLYWOOD 3 ENE GLEASON	M M						T T	0.01 0.2			T T	0.02 T						0.33	0.04							0.26 1.0	1.11		0.05		0.01 T	1.83 1.2	0700 EST
RIDGE ZYLA	0.11	0.29						0.02 0.2			0.09 0.1						0.33	0.19	0.03		0.01			T		1.23 1.6	T	0.06 T				2.36 1.9	2400 EST
SMITHSBURG 1.5 SW HUTTO	T	0.03					0.03 0.7	0.05 1.5			0.24 3.3						0.07 1.5	0.13 0.5	0.03 T		T					0.63 8.0		0.07 1.0		0.1	0.01 T	1.29 16.6	2400 EST
HAGERSTOWN 1E KEEFER			T	0.02			0.02 0.5	0.08 1.0			0.21 3.0	T T		T T			0.10 1.7	0.13 0.1	0.02 T	T T	T T					0.71 8.0		0.11 1.3	T T		0.01 T	1.41 15.6	2400 EST
SMITHSBURG 3 NE VAUGHN				0.02			0.03 0.4	0.06 0.8			0.25 3.1	T T						0.30 2.4	0.13	T	T					0.90 8.8	T	0.16 1.4	T		0.02 0.3	1.87 17.2	2400 EST
SALISBURY NWS WICOMICO CO APT	0.11	0.22					T	0.04			0.15	T					0.33	0.67	0.03		0.09					1.27	0.01	0.07			0.02	3.01	2400 EST
WASH NATIONAL NWS ASOS	0.01	0.06				T T	T T	0.02 0.4			0.11 1.0						0.24 0.2	0.19 T	0.02 T	T T	0.01 0.1					1.52 5.0		0.07 0.6			T T	2.25 7.3	2400 EST
WASH DULLES NWS ASOS	0.02	0.01					T T	0.01 0.4			0.11 1.2			T T			0.15 0.6	0.19 0.1	T T	T T	0.01 T		T			1.31 7.3		0.06 0.7			T T	1.87 10.3	2400 EST
STERLING 4 N SHAFFER		0.03					0.03 0.3	0.05 0.7			0.15 1.5	T T	T T	0.01 0.1				0.22 0.5			T T	T T				1.65 7.0		0.08 T	T T		T T	2.22 10.1	2400 EST
DAVIS 3 SE WV LESHER		0.11	T			T	0.26 5.5	0.35 9.9	0.35 7.6	0.02 0.4	T T	0.46 7.4	0.33 8.2	0.14 2.9	0.03 0.7	0.09 1.5	0.02 0.3	0.10 1.4	0.17 0.5	0.13 1.2	0.33 6.2	0.01 0.3	0.05 1.6	0.02 0.3	T	0.21 2.0	1.13 9.3	0.10 1.6	0.13 3.7			4.54 72.5	0700 EST