



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

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

## WARM WITH LITTLE SNOWFALL HEAVY RAINS ON THE 6th-7th

December continued the 2011 trend of above normal temperatures and precipitation. Very little snow fell.

On the temperature side its highlight was the warmth. Temperatures averaged ~5 degrees above average. Intrusions of unseasonably cold temperatures were non-existent. Several ACON observers reported station near record high mean temperatures. Minimum temperatures on the 6th were around 10 degrees above the normal maximum temperature for the date.

There were two highlights on the precipitation side. 1st was the heavy rain event of the 6th and 7th. 3.10" of rain that fell on the 7th set an all-time December daily record for the month at NWS Washington National surpassing the old record of 2.81" set on 12/18/1977. The 2nd was the lack of snowfall.

The weather pattern this month allowed for the sky to clear at night which along with light winds allowed for several mornings with heavy frost.

There were four warm periods during the month where 60° temperatures occurred: 5th - 7th, 15th & 16th, 21st & 22nd, and the 31st. Temperatures reached the 70° mark from Sussex County Delaware southwards on the 7th.

Minimum temperatures ranged from the upper teens east of the mountains to the upper 20's along the Atlantic Coast, in St Marys County, and at NWS Washington National.

The month began sunny with mild days and chilly nights. Unseasonable warm air overran the region the 5th and the 6th. **Richard Holden** of **Clarksburg** reported 60° at obs on the 6th.

Over 2 inches of rain fell on the 6th and 7th from Central Maryland to Northern Delaware. The greatest amounts of over 3 inches fell from Washington DC eastwards towards the Bay. **Jug Bay Wetlands** in **Lothian** reported 4.65", **Marty Brumback** of **Bryans Road 2 ESE** 4.31", **Brian Smith** of **Oxon Hill** 3.71", **Jeff**

**Stoudt of Laurel 2 E** 3.18" and **Joe Terry of Forest Glen** 3.01". Less than an inch fell from Sussex County Delaware southwards. The rain changed to wet snow as it ended at some locations in Central Maryland. Most locations only reported a Trace but in Carroll County **Herb Close of Manchester 1 SW** reported 1.1".

Light snow fell early on the 18th in Northern Delaware and in Carroll County Maryland.

The second rain event occurred from the 21st to the 23rd. Rainfall amounts were around an inch.

Christmas day began with heavy frost. Afternoon temperatures rose to the mid 40's and lower 50's. Clouds increased during the afternoon.

The third rain event occurred on the 27th. Half to three quarters of an inch

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

DEOS Georgetown 5SW DE 70  
DEOS Harbeson 8 S DE 69  
Ridge 69

##### MINIMUM TEMPERATURE

Davis 3 SE WV 9  
Frostburg 13  
LaVale 17  
Smithsburg 1.5 SW 17  
Hagerstown 1 E 17

##### WARMEST AVG. TEMP.

Ridge 46.4  
Hollywood 3 ENE 45.9

##### COLDEST AVG. TEMP.

Davis 3 SE WV 32.9  
Frostburg 34.1  
LaVale 38.0

##### MAXIMUM PRECIPITATION

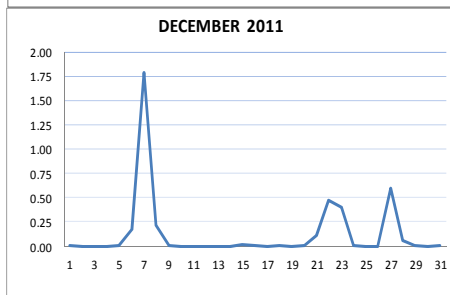
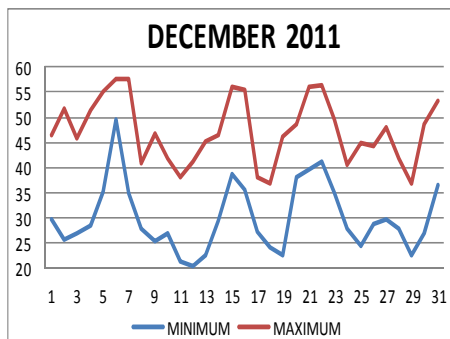
Jug Bay Wetlands 6.36  
Bryans Road 2 ESE 5.57

##### MINIMUM PRECIPITATION

DEOS Harbeson 8 S DE 1.57  
DEOS Rehoboth Beach DE 1.60

##### MAXIMUM SNOWFALL

Davis 3 SE WV 16.4  
Frostburg 3.3



### ACON MD/DE Network

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

of rain fell.

Some light snow fell in portions of Central Maryland on the 29th. Amounts ranged from a Trace to half inch.

### NEW ACON MEMBER

Alex & David McGinnis of Rockville 2 W MD. Alex and his father David are members of the WBCR Network.

**WELCOME!**

# OBSERVER COMMENTS FOR DECEMBER 2011

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

Second warmest of 45 Decembers. Wind speeds averaged lower than average and the barometric pressure averaged higher than average. 58° minimum on the 6th broke the old December maximum minimum temperature of 57° set 12/23/1990. New monthly minimum daily maximum temperature of 38° set, 18th & 29th). Old record was 36 set 12/31/1974.

**7th** - Daily record precipitation of 2.20". Old record was 1.11" set in 1976.

**18th** - Pre-dawn light snow. Only snowfall of the month.

## **Nate Mullins of LaVale**

Near normal precipitation, lack of snowfall, and much milder temperatures this month. There were no subfreezing days.

**7th** - Daily record precipitation of 1.68". Old record was 1.20" set in 1953.

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

Although no unusually warm ( $\geq 65^\circ$ ) temperatures occurred, significantly mild weather frequented throughout the month with ten days reaching the upper 50's or lower 60's. Periods of subnormal temperatures were brief and few, and no harshly cold ( $\leq 20^\circ$ ) weather occurred.

**6th & 7th** - An innocuously light rain on the 6th evolved into an all-out drenching on the 7th and accounted for over half the whole month's rainfall. Total amount 3.18". High water partly or completely blocked some area roads..

## **Ray Muller of Reisterstown**

**5th** - Dense AM fog.

## **Marty Sharrow of Owings Mills**

Temperatures averaged 5.2° above normal.

**2nd** - Frosty start, then sunny and milder.

**4th** - Dense AM fog, then mostly sunny and milder.

**12th** - Frigid start, then inc high clouds and chilly.

**29th** - Becoming overcast with light snow, cold.

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

**7th** - Heavy rain, cooler late, light snow by 9 PM.

**13th** - Very frosty start, sunny and milder.

**18th** - Early snow flurries and cold.

**29th** - Early afternoon surprise light snowfall.

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

Many mornings with heavy frost.

**1st** - Nice start to December - 100% sunshine.

**7th** - Heavy rain changed briefly to snow after obs time.

**17th & 18th** - Light snow evening of 17th & morning of 18th.

**29th** - Evening light snow.

## **Marty Brumback of Bryans Road 2 ESE**

**6th & 7th** - Two day rain event began at 9:50AM on the 6th and ended at 11PM on the 7th. Total 4.31". Thunder heard on the evening of the 7th.

## **Eric Glass of Emmitsburg 2 SE**

**25th** - Frosty, cold, calm morning.

**29th** - Very windy.

## **Richard Giannola of JHU/APL**

Maximum barometric pressure: 30.63" on the 11th.

Minimum barometric pressure: 29.40" on the 27th.

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

**29th** - Light snow and flurries 1 - 3 PM.

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

**22nd—23rd** - Rain began the evening of the 22nd and ended by dawn of the 23rd. 1.08" fell.

## **Richard Holden of Clarksburg 2 ENE**

**6th** - Temperature rose to 60° at obs (midnight).

**7th** - Heavy rain, light snow, AM minimum temperature 52°, afternoon maximum temperature 53°.

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

The 2.10" that fell on the 7th broke the old December daily precipitation record of 2.09" set 12/24/1986.

Trace of snow this month tied five other Decembers for the lowest monthly snowfall total.

Second warmest December in my 34 years of records. Warmest December is 42.2° set 12/1984.

Average minimum of 32.9° set a record for the warmest average minimum. The old record was 32.2° set 12/1984.

## **Joe Terry of Forest Glen**

Temperatures well above normal. No extreme warmth but 8 days reached 60° or above and no maximums below 41°. No ice and only very minor traces of snow fell.

## **Brian Smith of Oxon Hill**

**7th** - 3.39" of rain today ended as a trace of snow.

## **John Zyla of Ridge**

**17th** - First freezing temperature of the season.

**18th** - Partly cloudy and cold. Snow flurries at 1:30 PM.

## **Max Hutto of Smithsburg 1.5 SW**

**7th** - Rain all day, heavy at times, dropping temperatures, PM flurries. Two day event 2.16".

**16th** - Warm overnight, dropping temps throughout the day.

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

**8th** - Windy overnight; NNW winds gusted up to 40 MPH.

**12th, 13th, & 14th** - Cold, frosty with mins in upper teens.

**16th** - Windy overnight with west winds gusting to 31 MPH also high temperature of 59° around 1 AM.

**29th** - Cloudy, cold with snow showers between 9 AM and noon.

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

**7th** - 1.98" set new daily precipitation record. Old record was 1.50" set in 1976. 0.5" of snow set a new daily record. Old record was 0.1" set on several occasions with the last being 2008.

## **Dave Leshner of Davis 3 SE WV**

**7th** - Max snow depth of the month 9".

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  
DECEMBER 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	51.0	31.1	41.1	63	22	20	12	0	0	21	42	W	28	4.48	2.20	7	61.21	10	1	0.1	0.1	18	0.4	2400
Legates, David	Middletown 6 N	51.5	32.0	41.8	62	6+	21	12	0	0	22	29		7	4.80	2.51	7	56.91	11	1					2400
NWS Wilmington	New Castle Co. Apt.	50.8	31.9	41.4	62	21+	20	12	0	0	20	45	SSE+	27+	4.44	1.94	7	56.58	9	2	0.1	0.1	18	0.4	2400
UofDE AG FARM DEOS***	Newark	50.4	31.4	40.9	62	6+	21	12	0	0	20	27		7+	4.68	2.14	7	50.40	10	2					2400
U of D REC DEOS***	Townsend 4 W	50.8	31.8	41.3	62	6+	22	12	0	0	21	38		27	2.66	0.60	8	59.30	9	0					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	55.2	33.7	44.5	70	7	22	19	0	0	17	68	SSW	11	1.78	0.65	7	34.80	9	0					2400
U of D REC DEOS***	Georgetown 5 SW	53.3	31.9	42.6	69	7	21	19	0	0	20	37		27	1.78	0.68	7	38.89	9	0					2400
U of D REC DEOS***	Harbeson 8 S	53.5	32.1	42.8	70	7	21	12+	0	0	21	33		27	1.57	0.47	7	37.17	11	0					2400
U of D DEOS***	Rehoboth Beach Bwk	53.1	38.2	45.7	68	6	27	29	0	0	8	32		27	1.60	0.54	27	34.62	11	0					2400
<i>Allegheny, Maryland</i>																									
Latta, Greg	Frostburg	41.1	27.1	34.1	60	6	13	12	0	5	25				3.14	1.16	8	55.65	13	1	3.3	1.2	8	12.8	0700
Mullins, Nate**	LaVale	45.7	30.3	38.0	60	5	17	11+	0	0	21				2.95	1.68	7	51.09	10	1	0.5	0.3	28	7.5	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	52.2	31.5	41.9	63	22	21	12	0	0	22	37	SSE	27	4.47	2.59	7	58.46	11	1	0.0	0.0		0.0	2400
Jug Bay Wetlands	Lothian	53.0	30.8	41.9	65	15	20	12	0	0	21				6.36	4.07	7	58.88	9	1	0.0	0.0		0.0	2400
NWS Baltimore	BWI Airport	52.4	32.1	42.3	63	6+	22	12	0	0	21	46	NW	8	4.50	2.38	7	56.52	7	1	T	T	7	T	2400
Stoudt, Jeff	Laurel 2 E	50.8	32.9	41.9	62	6+	22	12	0	0	20				5.06	2.85	7	56.46	8	1	T	T	7+	0.2	2400
<i>Baltimore, Maryland</i>																									
Muller, Ray	Reisterstown	50.1	33.8	42.0	61	7	21	29	0	0	17	28	NW	27	3.97	1.42	22	58.10	7	2	0.1	0.1	29	3.7	2100
Sharrow, Marty	Owings Mills 2 SE	48.2	31.6	39.9	60	6+	19	12	0	0	20				4.05	2.18	7	56.65	7	1	0.1	0.1	29	1.2	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	STATION TEMPORARLLY CLOSED																	47.87			0.0	2400		
Maryland Science Ctr	Baltimore Inner Harbor	54.0	40.2	47.1	66	22	32	19+	0	0	2				4.39	2.38	7	54.06	6	1					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	48.2	31.1	39.7	61	22	18	29	0	1	21				3.55	1.49	7	61.78	11	1	2.1	1.1	7	9.9	2300
Hartsock, Ralph	Westminster 4 SSE	48.0	32.5	40.3	60	5+	21	12	0	0	21	40	WNW	28	3.98	1.11		55.30	9	1	0.2	0.1	18+	2.4	1900
Miller, Bobby	Millers 4 NE	48.8	31.9	40.4	60	5+	19	11	0	0	18	42	WNW	28	3.72	0.94	23	63.48	11	0	1.7	0.8	8	7.8	1800
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	53.8	35.1	44.5	66	15	23	12	0	0	13	36	SW	27	5.57	2.59	8	41.30	5	2	0.0	0.0		T	2355
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	47.8	29.3	38.6	60	7+	19	12+	0	0	19				3.54	1.51	8	61.77	7	1	T	T	30	3.0	0700

**ACON MD / DE / DC  
DECEMBER 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>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	49.8	33.2	41.5	62	7+	21	12	0	0	18	37	NW	8	3.80	2.04	7	49.17	8	1	0.0	0.0	0.1	2400	
<i>Montgomery, Maryland</i>																									
Berger, Ron	Norbeck 1 SE	50.4	32.8	41.6	62	6+	21	11+	0	0	20				4.21	2.18	7	48.61	11	1	T	T	8+	0.1	2200
Cohen, Rob	Potomac 4 N	50.0	33.3	41.7	61	6+	23	11+	0	0	20				4.33	2.02	7	53.07	9	1	T	T	17+	0.1	2100
Giannola, Rich	Olney 1 S	50.0	32.7	41.4	61	6+	21	11+	0	0	18				3.98	1.94	7	46.25	8	2	T	T	29	0.6	2400
Holden, Richard	Clarksburg 2 ENE	49.2	34.2	41.7	60	6+	25	11	0	0	15	40	WNW	26	4.45	1.86	7	61.64	10	1	0.3	0.3	29	4.1	2400
McGinnis, Alex	Rockville 2 W	50.5	33.8	42.2	61	6+	23	12	0	0	17				4.66	2.34	7	53.16	10	2	T	T	7+	0.6	2400
Roth, David	Montgomery Village 1SW																	<u>12.02</u>							2400
Rossen, Stan	Glenmont 1 NNE																	<u>44.15</u>					I		2400
Scafide, Tony	Bethesda	50.4	34.6	42.5	62	8+	24	12	0	0	16	22	WNW	28	4.07	2.18	7	<u>42.29</u>	9	1					2400
Shaw, Kevin	Gaithersburg 2 WNW	50.5	32.9	41.7	61	6	22	12	0	0	20	26	NW	7+	4.50	2.10	7	55.00	10	2	T	T	29	0.8	2400
Terry, Joe	Forest Glen	53.2	34.1	43.7	63	15+	23	12	0	0	17	37	W	28	4.74	2.69	7	50.56	7	1	T	T	7+	0.2	2400
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	52.2	35.4	43.8	62	5+	24	12	0	0	12				5.23	3.39	7	56.68	8	1	T	T	7	0.1	2300
<i>St. Marys, Maryland</i>																									
Gleason, Wes	Hollywood 3 ENE	54.3	37.5	45.9	66	15	29	12+	0	0	8				2.48	1.30	7	51.19	9	1	0.0	0.0	0.0		2400
Zyla, John	Ridge	54.2	38.6	46.4	69	7	29	29	0	0	5	24	SW	15	2.20	1.09	7	51.72	7	1	0.0	0.0	0.0		2400
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	48.1	29.5	38.8	60	5+	17	11+	0	0	20	30		28	4.02	2.06	7	59.14	8	1	T	T	7+	6.3	2400
Keefer, Greg	Hagerstown 1 E	47.8	29.9	38.9	59	5+	17	12	0	0	20	40	NW	8	3.61	1.97	7	53.09	7	1	T	T	7+	3.7	2400
Vaughn, Jim	Smithsburg 3 NE	48.3	31.5	39.9	61	6	21	13	0	0	19	46	S	31	3.96	1.98	7	54.07	10	1	0.7	0.5	7	8.0	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	57.0	33.8	45.4	72	7	22	19	0	0	20	52	S	27	1.69	0.51	27	39.15	8	0					2400
<i>Arlington, Virginia</i>																									
NWS Washington Nationa	National Airport	52.6	37.4	45.0	63	15	29	12+	0	0	7	41	NNW	7	4.90	3.10	7	46.89	7	1	T	T	7+	T	2400
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	51.5	31.4	41.5	62	15+	19	12	0	0	20	41	W	8	4.46	2.14	7	46.20	6	2	T	T	29	0.6	2400
Shaffer, Lance	Sterling 4 N																	<u>17.75</u>					<u>0.0</u>		2400
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	40.2	25.5	32.9	58	5	9	11	0	9	24				4.84	1.62	8	78.82	14	1	16.4	10.1	8	40.6	0700
SECTION AVERAGE*		<b>50.8</b>	<b>32.9</b>	<b>41.9</b>											<b>3.86</b>			<b>53.35</b>			<b>0.3</b>			<b>2.4</b>	

**NOTES:**

M OR UNDERLINE= MISSING DATA  
 > = INCLUDED IN NEXT DAYS DATA  
 ITALIC = ESTIMATED DATA  
 + = FIRST OF SEVERAL OCCURANCES

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.

GARY GALLAHER 01/31/12

**ACON MD / DE / DC  
DECEMBER 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	51 31	54 26	48 27	57 28	58 38	62 58	61 38	45 30	51 26	45 28	42 22	44 20	49 22	51 29	61 46	58 41	42 28	38 24	48 22	48 41	62 40	63 49	52 33	42 26	47 23	48 28	58 28	46 29	38 21	52 27	59 36	51.0 31.1	2400 EST	
MIDDLETOWN 6 N DE LEGATES	51 32	56 27	50 28	59 30	59 37	62 58	61 38	46 29	52 27	45 28	43 24	46 21	49 25	52 29	61 46	59 40	42 30	38 25	50 24	49 42	62 48	62 48	51 32	43 26	49 25	48 28	58 29	46 30	39 25	53 29	60 40	51.5 32.0	2400 EST	
WILMINGTON, DE NWS NEW CASTLE CO APT	51 34	54 28	48 28	55 28	58 42	62 53	61 38	45 32	51 27	46 26	42 23	46 20	50 22	50 32	61 46	56 40	42 28	37 26	49 25	48 40	62 39	62 48	52 34	41 30	48 24	48 30	55 29	46 27	38 23	50 28	60 38	50.8 31.9	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	50 33	54 27	49 27	57 28	56 40	62 52	62 37	45 30	51 26	44 29	42 23	47 21	48 24	50 32	60 44	56 39	41 30	36 25	48 24	46 40	62 39	61 48	51 36	40 26	48 24	47 28	57 28	46 29	37 24	53 27	58 36	50.4 31.4	2400 EST	
TOWNSEND 4 W, DE U of D REC DEOS	49 31	54 27	49 29	58 28	60 35	62 59	61 37	44 29	51 28	44 29	41 23	43 22	47 23	51 28	61 46	60 39	42 30	36 24	49 23	49 41	62 49	60 62	54 41	47 27	47 25	47 28	59 31	45 40	39 26	54 28	58 41	50.8 31.8	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	52 33	58 29	52 32	62 30	69 40	69 58	70 44	45 30	57 28	49 33	42 26	50 23	51 28	54 29	64 43	62 43	46 33	40 23	51 22	55 38	64 46	63 48	67 41	45 27	53 25	50 30	61 29	50 33	43 24	56 31	62 46	55.2 33.7	2400 EST	
GEORGETOWN, DE U of D REC DEOS	49 31	56 27	50 29	60 27	67 36	66 58	69 42	43 28	55 25	46 30	42 24	48 22	48 25	53 27	62 44	61 40	44 30	38 22	50 21	53 39	62 45	61 44	65 37	43 26	51 23	48 29	60 28	48 33	42 25	56 32	60 43	53.3 31.9	2400 EST	
HARBESON 8 S, DE U of D REC DEOS	50 30	56 26	49 30	61 29	68 39	68 58	70 43	43 28	56 26	48 29	47 22	48 21	51 27	63 44	62 40	43 31	38 22	51 21	53 36	63 45	62 48	65 40	42 26	51 24	48 28	61 28	49 31	42 24	56 30	60 43	53.5 32.1	2400 EST		
REHOBOTH BEACH BWK U of D DEOS	50 38	57 35	50 43	54 39	61 48	68 55	67 44	45 34	54 32	48 37	39 29	46 32	48 33	49 37	63 47	63 42	43 33	38 29	51 28	53 46	64 50	63 51	64 43	44 35	52 32	48 34	59 34	49 34	44 32	53 40	60 46	53.1 38.2	2400 EST	
FROSTBURG LATTA	34 27	44 27	47 23	41 23	46 27	60 40	55 42	42 23	28 22	38 21	31 14	34 13	36 17	44 28	44 35	58 31	33 27	29 24	30 22	46 38	44 38	56 40	51 35	36 27	34 24	43 28	38 29	40 30	38 21	43 22	41.1 27.1	0700 EST		
LAVALE MULLINS**	48 28	50 25	46 26	50 27	60 36	56 50	54 33	36 28	43 22	36 32	35 17	46 17	58 20	55 35	38 34	38 33	53 31	48 26	53 22	48 44	52 42	56 45	47 37	40 32	50 23	45 32	43 32	33 32	36 22	46 30	45.7 30.3	2400 EST		
PASADENA 2 N HANSON	52 30	58 26	49 31	57 29	57 38	62 56	61 37	45 29	53 27	47 27	42 23	45 21	51 24	52 29	62 44	60 40	43 27	40 25	51 24	53 41	62 43	63 42	54 32	46 28	47 25	50 29	55 29	46 29	41 22	54 27	61 40	52.2 31.5	2400 EST	
LOTHIAN JUG BAY	52 29	59 25	51 26	58 27	62 37	62 53	61 38	44 28	54 27	48 25	42 21	47 20	52 23	51 29	65 41	63 40	43 26	42 24	52 24	56 43	63 40	61 43	53 36	47 27	51 25	49 30	56 30	44 28	44 24	61 40	53.0 30.8	2400 EST		
BALTIMORE NWS BWI APT	53 32	59 26	50 29	57 29	58 35	63 56	62 37	45 31	52 27	47 29	43 23	46 22	51 23	51 31	63 44	60 40	43 28	42 26	51 23	53 44	62 44	62 44	53 36	46 28	48 24	49 30	54 31	47 30	41 25	54 27	60 40	52.4 32.1	2400 EST	
LAUREL 2 E STOUDT	52 32	57 27	49 30	56 30	58 38	62 53	62 37	43 30	50 28	44 30	42 24	45 22	49 26	51 34	60 42	58 40	41 31	40 27	49 23	53 45	61 44	59 45	49 39	43 29	44 26	48 31	53 31	45 31	52 25	58 28	50.8 32.9	2400 EST		
REISTERSTOWN MULLER	51 33	56 34	49 32	56 30	58 43	60 56	61 43	45 32	50 30	46 28	41 23	41 25	49 27	53 35	60 42	39 39	40 32	50 28	50 23	60 44	60 42	57 46	50 37	42 32	46 29	43 29	49 34	42 29	40 21	52 30	56 41	50.1 33.8	2100 EST	
OWINGS MILLS 2SE SHARROW	48 32	52 26	46 28	53 30	55 36	60 53	60 32	41 30	47 25	41 34	38 21	42 19	46 25	49 32	57 40	58 37	38 31	37 27	46 23	50 42	60 40	59 48	47 35	40 30	45 25	44 33	50 30	42 29	37 23	51 37	54 37	48.2 31.6	2400 EST	
BALTIMORE 2SE MANFRE																																		2400 EST
BALT INNER HARBOR MD SCIENCE CENTER	54 41	60 37	51 41	59 41	58 46	65 57	64 40	48 38	55 37	48 37	45 35	47 33	52 35	53 43	64 47	63 45	45 36	42 35	53 32	56 47	65 50	66 47	54 46	46 39	50 35	50 39	56 39	47 34	43 32	53 36	62 46	54.0 40.2	2400 EST	
MANCHESTER 1SW CLOSE	48 31	56 34	46 30	53 32	59 41	60 52	59 32	40 29	48 27	41 25	40 22	41 24	46 26	49 33	57 38	54 34	37 26	35 25	48 25	47 40	58 39	61 45	46 32	42 29	48 26	46 31	46 30	40 23	32 18	57 29	55 37	48.2 31.1	2300 EST	
WESTMINSTER 4 SSE HARTSOCK	46 32	50 28	46 29	50 31	60 37	60 50	56 45	41 31	46 27	41 32	35 21	43 25	45 31	52 39	57 42	48 31	50 28	56 43	58 41	58 49	60 39	58 44	49 39	41 32	45 26	46 32	45 30	42 31	37 23	53 38	55 38	48.0 32.5	1900 EST	
MILLERS 4NE MILLER	49 33	54 26	48 26	55 33	60 39	59 50	60 43	43 31	48 26	42 31	40 19	42 20	47 22	49 32	53 40	57 37	37 32	36 26	49 24	48 42	57 39	59 42	49 38	41 31	48 25	46 34	47 28	45 30	33 21	56 28	55 40	48.8 31.9	1800 EST	
BRYANS ROAD 2 ESE BRUMBACK	52 33	58 29	52 30	57 32	62 39	62 59	62 38	46 33	52 32	48 32	44 27	48 23	52 27	50 33	66 45	62 40	42 30	43 28	55 26	59 45	63 49	63 46	54 39	48 34	51 29	51 38	55 38	45 27	56 33	62 46	53.8 35.1	2355 EST		
EMMITSBURG 2 SE GLASS	47 34	49 25	55 24	46 24	54 33	56 34	60 55	55 32	48 25	42 24	38 20	41 19	49 19	47 20	58 33	43 40	43 33	40 29	40 24	51 25	49 39	58 42	60 34	48 24	42 25	48 28	46 33	43 23	41 25	52 25	47.8 29.3	0700 EST		

**ACON MD / DE / DC**  
**DECEMBER 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	49	57	48	53	56	61	62	42	50	42	41	45	47	49	62	59	38	38	50	52	61	59	49	42	46	45	51	42	39	52	57	49.8	2400		
GIANNOLA	32	27	31	30	37	55	34	30	27	29	24	21	24	34	42	38	29	28	28	44	43	46	37	31	28	34	36	30	28	29	44	33.2	EST		
NORBECK 1 SE	50	57	48	54	58	62	62	42	50	44	40	43	49	48	62	61	40	41	50	52	62	61	50	43	48	47	49	43	38	52	57	50.4	2200		
BERGER	31	26	28	33	38	53	38	30	28	29	21	21	24	32	43	40	28	26	24	47	44	43	40	29	26	32	32	30	27	29	44	32.8	EST		
POTOMAC 4N	48	54	49	54	57	61	61	41	50	44	41	44	47	48	61	60	40	42	50	52	61	61	50	43	48	46	47	43	39	52	56	50.0	2100		
COHEN	35	29	28	30	37	54	38	32	27	30	23	23	25	31	42	40	30	27	24	45	46	43	42	32	27	31	32	32	27	28	43	33.3	EST		
OLNEY 1 S	50	57	49	53	57	61	61	43	51	44	42	44	48	47	61	59	39	40	48	50	60	58	50	43	48	46	50	42	39	54	57	50.0	2400		
GIANNOLA	29	28	28	33	41	54	36	31	29	27	21	21	24	32	43	38	28	25	25	44	43	44	39	32	28	33	35	28	25	29	42	32.7	EST		
CLARKSBURG 2ENE	48	55	48	54	59	60	60	42	49	43	40	44	48	47	60	58	38	39	48	50	59	58	49	42	47	45	45	44	36	54	55	49.2	2400		
HOLDEN	29	35	30	34	43	55	34	31	31	28	25	27	27	38	42	37	28	28	28	44	44	45	39	32	29	35	35	28	26	33	41	34.2	EST		
ROCKVILLE 2 W	49	57	49	55	57	61	61	42	53	44	41	45	49	48	61	58	39	41	50	53	60	61	50	44	47	47	46	44	38	55	59	50.5	2400		
McGINNIS	33	29	30	32	39	56	34	32	29	29	24	23	26	33	42	38	28	27	26	45	46	46	42	32	29	33	35	29	27	30	44	33.8	EST		
MONTGOMERY VILLAGE																																		2400	
ROTH 1SW																																		EST	
GLENMONT 1NNE																																			2400
ROSSEN																																			EST
BETHESDA	49	56	48	53	59	61	61	42	50	44	40	44	48	49	62	58	40	41	50	54	61	59	50	43	49	47	51	43	40	52	57	50.4	2400		
SCAFIDE	31	29	31	33	41	57	36	31	31	29	25	24	26	34	43	39	27	27	27	46	48	45	41	31	30	36	39	33	29	31	44	34.6	EST		
GAITHERSBURG 2WNW	50	57	49	55	58	61	61	43	51	45	43	45	49	48	61	58	40	42	49	53	60	59	49	45	48	48	47	43	38	53	56	50.5	2400		
SHAW	31	27	28	31	37	57	36	31	28	28	23	22	25	32	42	40	28	28	25	44	45	44	41	32	26	32	33	30	26	28	40	32.9	EST		
FOREST GLEN	54	60	52	56	59	62	62	46	54	48	45	48	53	50	63	60	42	45	52	55	63	62	53	47	51	51	53	47	41	54	60	53.2	2400		
TERRY	31	28	31	33	40	58	37	31	29	28	24	23	25	33	44	40	28	26	26	46	46	44	41	32	29	34	39	30	28	30	44	34.1	EST		
OXON HILL	51	57	50	56	62	62	62	45	51	46	42	45	51	50	62	61	41	42	51	56	61	61	52	45	48	49	55	47	43	55	60	52.2	2300		
SMITH	33	29	31	33	40	59	39	34	30	34	27	24	27	34	44	41	29	28	25	46	47	45	43	35	29	35	38	33	28	32	45	35.4	EST		
HOLLYWOOD 3 ENE	53	58	50	59	61	65	65	47	51	48	44	49	54	49	66	62	42	43	54	57	64	63	64	47	51	50	57	49	45	55	60	54.3	2400		
GLEASON	38	32	36	35	43	58	41	34	32	37	30	29	30	37	46	41	36	31	30	43	48	50	41	36	33	36	37	37	29	38	40	37.5	EST		
RIDGE	53	59	50	56	62	65	69	46	54	49	42	47	50	49	65	61	43	42	54	56	63	61	64	47	54	51	57	51	46	54	62	54.2	2400		
ZYLA	35	37	40	40	45	57	39	35	37	35	32	32	34	38	46	39	32	30	33	45	49	49	42	36	37	38	41	33	29	40	44	38.6	EST		
SMITHSBURG 1.5 SW	48	53	48	54	60	60	58	40	49	40	39	41	46	48	58	59	38	39	50	50	55	57	47	40	50	45	41	41	36	50	50	48.1	2400		
HUTTO	27	23	22	37	35	56	34	27	24	24	17	17	18	29	42	36	27	27	23	39	39	40	36	28	22	28	28	27	20	25	36	29.5	EST		
HAGERSTOWN 1E	49	54	46	53	59	59	57	40	48	41	39	39	47	47	55	59	38	39	50	49	54	57	47	42	50	45	40	41	36	51	51	47.8	2400		
KEEFER	27	23	24	33	36	55	35	28	24	24	18	17	18	31	43	35	27	28	25	39	39	40	38	29	24	29	30	25	21	25	36	29.9	EST		
SMITHSBURG 3 NE	47	53	47	53	60	61	60	39	47	39	40	39	46	48	59	59	37	38	51	50	59	57	48	40	48	44	43	42	40	55	49	48.3	2400		
VAUGHN	29	27	26	37	43	53	30	27	28	28	22	23	21	33	40	33	27	27	25	43	40	46	34	31	26	32	34	24	22	29	38	31.5	EST		
SALISBURY	52	59	55	64	69	70	72	46	58	50	46	53	53	57	65	64	47	43	52	60	65	65	67	49	54	51	62	52	45	58	64	57.0	2400		
NWS WICOMICO CO APT	31	28	30	31	39	57	45	29	27	32	27	25	28	32	45	41	32	24	22	38	49	52	40	29	26	30	30	35	25	32	38	33.8	EST		
WASH NATIONAL	52	55	51	55	60	60	60	45	51	47	43	46	52	50	63	62	43	44	52	57	61	62	53	46	48	50	55	49	44	54	62	52.6	2400		
NWS ASOS	38	34	35	37	42	55	37	35	34	32	29	29	30	38	43	43	33	32	29	45	47	46	44	36	34	37	39	35	31	35	46	37.4	EST		
WASH DULLES	50	57	50	55	59	62	62	45	51	46	42	44	50	49	62	62	40	43	52	56	61	60	50	45	49	48	46	45	41	54	59	51.5	2400		
NWS ASOS	28	23	26	29	36	56	37	29	25	27	21	19	22	32	42	39	27	26	24	43	44	40	42	28	24	31	38	30	22	26	37	31.4	EST		
STERLING 4 N																																		2400	
SHAFFER																																		EST	
DAVIS 3 SE WV	26	40	42	50	58	56	54	42	28	36	26	38	43	41	50	55	27	23	29	40	49	53	48	31	30	37	44	42	25	34	48	40.2	0700		
LESHER	22	21	22	31	38	45	41	17	17	23	9	10	26	26	36	27	20	18	20	29	34	38	31	22	22	23	23	25	19	23	34	25.5	EST		

**ACON MD / DE / DC**  
**DECEMBER 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						0.12	2.20	0.05							0.03			0.01		0.01	0.04	0.46	0.91							T	4.48	2400				
MIDDLETOWN 6 N DE LEGATES				0.01	0.01	0.20	2.51	0.04					0.01		0.02						0.03	0.44	0.88									4.80	2400			
WILMINGTON, DE NWS NEW CASTLE CO APT						0.14	1.94	0.08						T	0.03			T	T	0.04	0.08	0.32	1.08									4.44	2400			
NEWARK AG FARM, DE U OF DE DEOS					0.01	0.12	2.14	0.04							0.05					0.02	0.04	0.46	1.11									4.68	2400			
TOWNSEND 4 W, DE U of D REC DEOS					0.01	0.15	0.56	0.60							0.01						0.10	0.44	0.42									2.66	2400			
GEORGETOWN, DE NWS SUSSEX CO APT					T	0.07	0.65	0.01	0.06						T			T	T	0.02	0.22	0.24	0.04							T	1.78	2400				
GEORGETOWN, DE U of D REC DEOS						0.09	0.68	0.02	0.05											0.01	0.19	0.19	0.04									1.78	2400			
HARBESON 8 S, DE U of D REC DEOS	0.07	0.05				0.06	0.47	0.01	0.01											0.02	0.20	0.26	0.02									1.57	2400			
REHOBOTH BEACH BWK U of DE DEOS					0.01	0.01	0.48	0.02	0.03	0.01										0.01	0.23	0.25	0.01									1.60	2400			
FROSTBURG LATTA	0.01					0.04	0.65	1.16							T	0.03		0.03		0.03	0.01	T	0.38	0.02						0.73	0.02	0.03	3.14	0700		
LAVALE MULLINS**						0.20	1.68							T	T					T	0.01	0.25	0.12							0.59	0.05	0.01	0.02	0.02	2.95	2400
PASADENA 2N HANSON					0.01	0.19	2.59	0.01					0.01		0.02						0.10	0.51	0.24		0.01							4.47	2400			
LOTHIAN JUG BAY					0.02	0.65	4.07		0.01												0.21	0.61	0.08									6.36	2400			
BWI NWS ASOS						0.25	2.38								0.01					T	0.09	0.58	0.47	T								4.50	2400			
LAUREL 2 E STOUDT						0.33	2.85								0.02		T				0.11	0.54	0.37	0.02								5.06	2400			
REISTERSTOWN MULLER						0.14	1.07	0.73									T			T	0.08	1.42										3.97	2200			
OWINGS MILLS 2SE SHARROW						0.11	2.18								T		T	T			0.07	0.61	0.46									4.05	2400			
BALTIMORE 2SE MANFRE																																		2400		
BALT INNER HARBOR MD SCIENCE CENTER						0.24	2.38								M	M					0.06	0.70	0.29									4.39	2400			
MANCHESTER 1SW CLOSE						0.21	1.49								0.02		0.02	0.01		0.01	0.08	0.42	0.51	T								3.55	2300			
WESTMINSTER 4 SSE HARTSOCK						0.27	0.74	0.83							0.05			T			0.12		1.11									0.04	3.98	1900		
MILLERS 4NE MILLER						0.21	0.77	0.78							0.03	T	T	0.04	T	0.02	0.07		0.94									3.72	1800			
BRYANS ROAD 2 ESE BRUMBACK							1.72	2.59								T						0.09	0.62										5.57	2355		
EMMITSBURG 2 SE GLASS						0.02	0.16	1.51								0.06					T	0.07	0.74										3.54	0630		

**ACON MD / DE / DC**  
**DECEMBER 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						0.17	2.04								0.01					T	0.08	0.55	0.22	0.01			0.72					3.80	2400	
NORBECK 1 SE BERGER						0.25	2.18	0.09							0.04						0.10	0.27	0.64	0.03			0.58		0.02		0.01	4.21	2200	
POTOMAC 4N COHEN						0.18	2.02	0.16							0.04		T				0.11	0.18	0.97				0.66		0.01			4.33	2100	
OLNEY 1 S GIANNOLA						0.21	1.94								0.02						0.12	>	1.08	0.02			0.56		0.03			3.98	2400	
CLARKSBURG 2ENE HOLDEN						0.28	1.86								0.01		T	T			0.12	0.99	0.44	0.02			0.67	T	0.03		0.03	4.45	2400	
ROCKVILLE 2 W McGINNIS					T	0.24	2.34							T	0.03	T					0.10	1.07	0.21	0.02			0.63		0.01		0.01	4.66	2400	
MONTGOMERY VILLAGE ROTH 1SW																																	2400	
GLENMONT 1NNE ROSSEN																																		2400
BETHESDA SCAFIDE						0.20	2.18	0.01							0.03							0.06	0.74	0.24	0.01			0.60					4.07	2400
GAITHERSBURG 2WNW SHAW						0.22	2.10								0.01							0.08	1.12	0.22	0.01			0.71	T	0.02		0.01	4.50	2400
FOREST GLEN TERRY						0.32	2.69								0.02		T					0.10	0.53	0.40				0.68					4.74	2400
OXON HILL SMITH						0.32	3.39								0.01					T		0.12	0.50	0.25	0.01			0.63					5.23	2300
HOLLYWOOD 3 ENE GLEASON						0.10	1.30									0.03					0.02	0.15	0.37	0.06				0.44	0.01				2.48	2400
RIDGE ZYLA					T	0.02	1.09		T							0.03		T				0.24	0.32	0.04				0.46					2.20	2400
SMITHSBURG 1.5 SW HUTTO						0.10	2.06								0.08		T	T				0.08	0.69	0.12				0.88	0.01	T			4.02	2400
HAGERSTOWN 1E KEEFER						0.08	1.97								0.05		T	T				0.06	0.62	0.09				0.74		T			3.61	2400
SMITHSBURG 3 NE VAUGHN					T	0.12	1.98								0.10		0.01				0.01	0.08	0.71	0.10				0.84	0.01				3.96	2400
SALISBURY NWS WICOMICO CO APT					T	0.01	0.39	0.01	T							0.05					T	0.49	0.22	0.01				0.51				T	1.69	2400
WASH NATIONAL NWS ASOS						0.24	3.10							T	0.01		T					0.12	0.53	0.29	T			0.61				T	4.90	2400
WASH DULLES NWS ASOS						0.21	2.14							T	T							0.08	1.12	0.20	T			0.71		T		T	4.46	2400
STERLING 4 N SHAFFER																																		2400
DAVIS 3 SE WV LESHER	0.05					0.19	0.53	1.62		T	T			T	0.06	0.26		0.12	0.04	0.05		0.07	0.81	0.05	T			0.87	T	T	0.12	4.84	0700	
	0.8						10.1			T	T			T				1.7	0.5				T	0.7	T		2.6	T	T		16.4	EST		