



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

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

COLD, DRY MONTH WITH THE HEAVIEST SNOW IN THE EXTREME EASTERN AREAS

December's temperatures averaged below normal for the first month since February. Below is an excerpt from Jeff Stoudt's report:

"December began and ended with half days of mild temperatures, even though cold prevailed in between except for a mild spike on the 12th. Although cold was persistent, it was never severe. Persistent winds enhanced the feeling of the chill. Even though mildness held a very small minority, it accompanied the great majority of the precipitation resulting in rain from two storms. All other precipitation fell as snow, but was all on the light side."

The snow event of the 16th was the only snow event to affect the entire region. Amounts from this event ranged upwards to 2 inches. **John Zyla of Ridge** observed the greatest amount of 3.2" which became a common theme for the month. A storm the day after Christmas deposited nearly a foot of snow along the coast but not at any ACON locations. According to the National Weather Service Wallops Island VA had 10 inches, Selbyville DE over 11 inches, Philadelphia PA 12 inches, and Atlantic City NJ 20 inches. **John Zyla of Ridge** again observed the greatest amount of 4.9". In the West Virginia mountains, just west of Garrett County Maryland, **Dave Leshar of Davis 3 SE WV** reported snow fell on all but four days.

December began wet as a storm that moved in on November 30th dumped upwards of an inch of rain east of Carroll County and upwards of 2 inches plus westwards with temperatures peaking in the 50's and 60's. **Greg Latta of Frostburg** reported 2.52", **Greg Keefer of Hagerstown 1 E** 2.17" and **Bobby Miller of Millers 4 NE** 1.81". Cold air moved into the region in the wake of the storm during the PM hours of the 1st and remained unabated except for the 12th until after Christmas when a slow warming trend set in on the 27th. To show how persistent

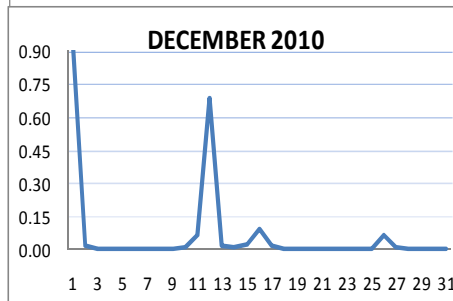
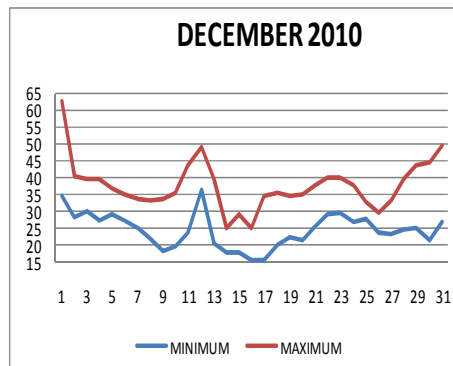
the cold was NWS Washington National only recorded two days which the temperature rose to 50° or higher. This was the fewest number of days since 1942.

The only other significant rain event occurred on the 12th. Rainfall amounts were generally in the 3/4 to 1 inch range.

The coldest period occurred from the 14th to the 16th when temperatures remained below freezing at all but four ACON stations, all on the 15th. The only single digit readings occurred during the middle of the month.

Christmas was cold with some light snow in advance of the storm of the 26th / 27th. The storm, which bombed off

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ACON MD/DE Network

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

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Townsend 4 W DE DEOS	66
Middletown 6 N DE	65
Georgetown 5 SW DE DEOS	65
Harbeson 8 S DE DEOS	65
Baltimore 2 SE	65

MINIMUM TEMPERATURE

Davis 3 SE WV	-3
Frostburg	7
Smithsburg 1.5 SW	9
Smithsburg 2 NE	9

WARMEST AVG. TEMP.

Baltimore 2 SE	34.9
Ridge	33.6
Oxon Hill	32.6

COLDEST AVG. TEMP.

Davis 3 SE WV	16.9
Frostburg	21.7
Smithsburg 2 NE	27.1

MAXIMUM PRECIPITATION

Davis 3 SE WV	4.30
Frostburg	2.98
Millers 4 NE	2.87
Ridge	2.70

MINIMUM PRECIPITATION

Gaithersburg 2 WNW	1.55
Laurel JHU/APL	1.56
Clarksburg 2 ENE	1.61

MAXIMUM SNOWFALL

Davis 3 SE WV	71.0
Frostburg	14.0
Ridge	9.3

MINIMUM SNOWFALL

Smithsburg 2 NE	1.2
Smithsburg 1.5 SW	1.3
Hagerstown 1 E	1.3

OBSERVER COMMENTS FOR DECEMBER 2010

Gary Gallaher of Bear 2 SW, DE

Cold, windy month. Windiest December since wind records began in 1990. Temperatures 50° or above for only 22 hours.

26th-27th - On the western edge of a snowstorm which dumped 12.4" on Philadelphia, PA. 3.5" fell here.

27th - Very windy in the wake of the snowstorm. PWG 53 mph. Average daily wind speed of 17.8 mph made this the second windiest day ever in 21 years of wind records.

Greg Latta of Frostburg

2nd - Sleet during the previous 24 hours ending at obs. time.

2nd, 12th, & 13th - Glaze reported during the previous 24 hours ending at observation time.

Nate Mullins of LaVale

1st - Heavy AM rain, brief sleet, strong winds. Storm total 2.73" (1 1/30—12/1).

14th - Record low max high 19°. Old record 20° set in 1958.

16th - Snow showers though out the day.

17th - Tied record low max of 21° set in 1958.

Jeff Stoudt of Laurel 2 E

10th - Early afternoon flurries, first snow of the season.

12th - Periods of rain till early evening.

16th - Light snow from late AM till dusk.

Marty Sharrow of Owings Mills

1st - Wind swept rain. PM clearing and colder.

4th - Good deal of clouds and quite chilly.

14th - Mostly cloudy, very windy and frigid.

26th - Cold with light snow much of the day.

Joe Manfre of Baltimore 2SE

1st - Rain till noon, PM partly cloudy, very windy and colder.

24th - Partly cloudy, cold, breezy until noon.

31st - Variable clouds, mild.

Herb Close of Manchester 1 SW

Third coldest December in 22 years of records here.

Ralph Hartsock of Westminster 4 SSE

1st - Tornado watch, flood watch, and wind advisory.

10th - Mid day snow, flash freeze on roads.

15th - Bitter cold, windy, sunny.

29th & 30th - Partly cloudy, milder.

Ray Muller of Westminster City

1st - 1.54" of rain in 24 hours ending at 1700.

12th - 1.04" of rain.

Eric Glass of Emmitsburg 2 SE

1st - Blowing rain, windy, warm and blustery at obs time.

15th - Clear, sunny, very windy and cold at obs time.

27th - Thin clouds, very windy and cold at obs time.

Rob Cohen of Potomac 4 N

Third coldest December behind 1989 and 2000.

3rd - Very light snow flurry.

12th - AM fog.

13th - Windy, temperatures fall to the 20's late AM.

Rich Giannola of Olney 1 S

1st - Strong cold FROPA 9-10 AM including a 14° drop from 9:15-9:30AM. Wide directional change in peak wind gusts from SSE 35 mph at 6:42AM to WNW 38 mph at 11:40AM.

9th - Monthly maximum barometric pressure 30.37".

12th - Monthly minimum barometric pressure 29.20".

Richard Holden of Clarksburg 2 ENE

Peak wind gusts 40 mph or greater on the: 1st (40), 6th (40), 13th (47), 14th (45), 15th (41), 23rd (41), 27th (50), and 28th (40).

Stan Rossen of Glenmont 1 NNE

1st - The only time that I noted that the rain became heavy was the period surrounding the passage of the strong cold front at 9:06 A.M. At that time I noted the wind shifting and the temp. start to drop. In the next hour the temp. fell from the high of 63° to 46°. It continued down to 42° around noon.

26th - Snow began very lightly shortly before 11:30 A.M. in this bust of a storm here and remained little more than flurries through the afternoon. It was a breezy day.

Kevin Shaw of Gaithersburg 2 WNW

December was my 5th driest in 32 years with a record low amount of only 5 days with measurable precipitation days (old record was 6 days in 1978 and 1988). Temperature wise it tied 1985 for the 5th coldest.

5th - Cloudy, cold, blustery at times.

10th - Cloudy, light snow mid-day.

31st - Sunny, high clouds, mild.

Joe Terry of Forest Glen

Second coldest December and windiest month in 16 years of station history. Only 5 days had a mean wind direction with a southerly component.

Wes Gleason of Hollywood 3 ENE

16th - Snow 1000 to 1530 hours.

John Zyla of Ridge

Snow on the ground from the 16th to the 31st.

11th - Heavy AM frost.

26th - All day snow, 4.7".

Max Hutto of Smithsburg 1.5 SW

12th - Overnight fog/freezing rain then rain most of day (0.41"), Little temp change, Breezy.

17th - Very cold AM, Partly cloudy, Slightly warmer PM, Breezy.

Greg Keefer of Hagerstown 1 E

10th - Quick burst of snow and wind between 10 AM and 11 AM produced 0.1". Lots of accidents as roads quickly turned to ice.

14th - Windy and very cold with snow flurries. NW winds gusting to 40 mph. Wind chills in single digits all day.

Jim Vaughn of Smithsburg 2 NE

Fourth coldest December. Temps below 32° everyday.

16th - Record low min of 9°. Old record was 10° in 1989.

Lance Schaffer of Sterling 4 N

23rd - Gusty winds today.

Dave Leshner of Davis 3 SE, WV

Measurable snow on the ground at obs time from the 2nd to the 31st.

27th - December maximum snow depth 18".

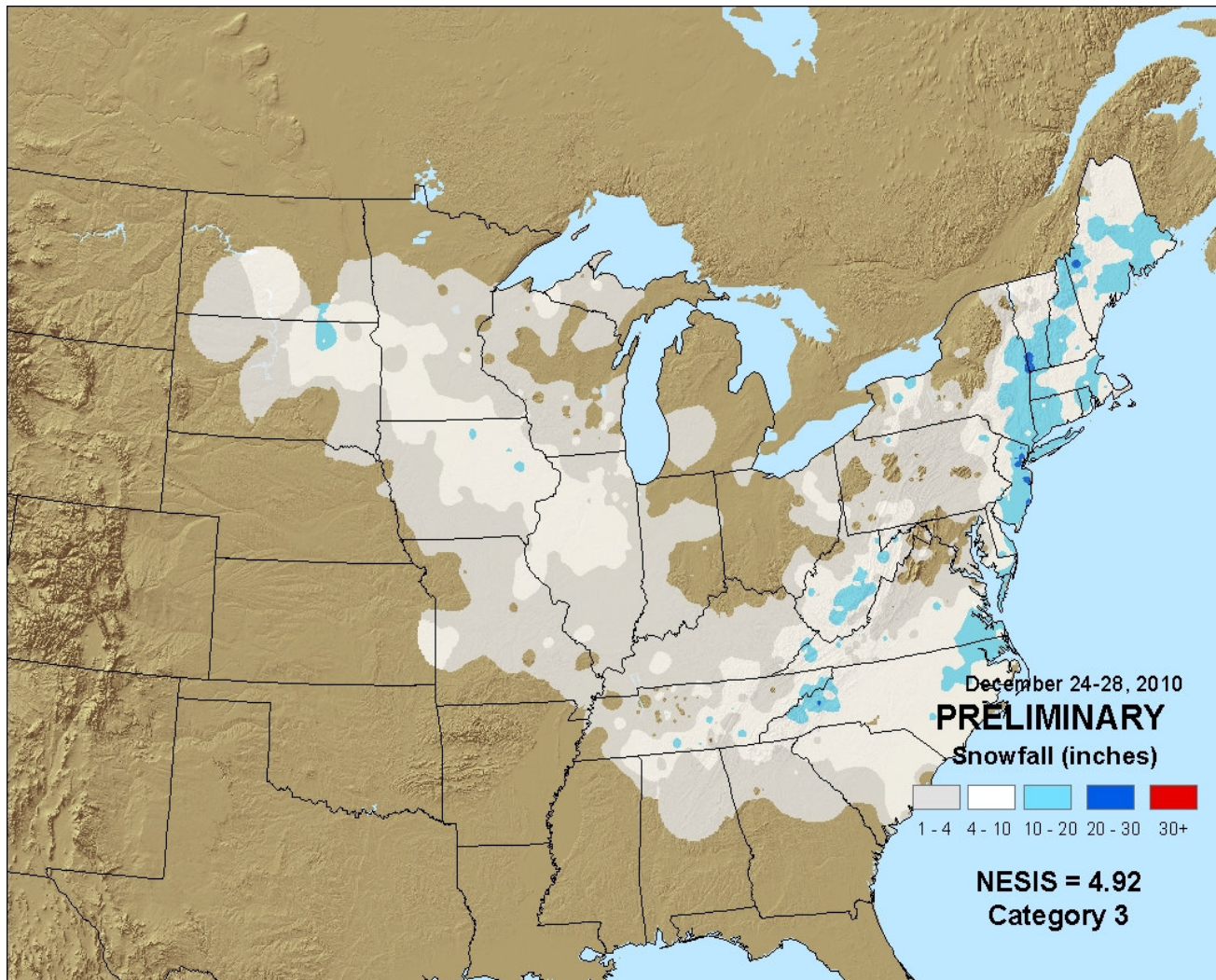
Compiled by Gary Gallaher, MD/DE ACON Data Collector and Report Writer, from data received from dedicated observers. Without your observations each month this report will not be possible.

MARYLAND / DELAWARE / DISTRICT OF COLUMBIA DECEMBER 2010 ACON

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the Mid Atlantic coast, brought winds upwards of 60+ MPH on the 27th blowing and drifting any snow that fell. Temperatures failed to rise above freezing from Christmas to the 27th at many stations. Afterwards temperatures rose into the 40's from the 28th to the 30th and to near or above 50° on New Years Eve.

SNOWFALL MAP OF THE STORM THAT AFFECTED THE COASTAL SECTIONS OF MARYLAND AND DELAWARE FROM THE 25th TO THE 27th



**ACON MD / DE / DC
DECEMBER 2010 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	38.8	24.6	31.7	61	1	14	17	0	5	29	53	WNW	27	2.44	1.04	12	42.93	6	1	4.0	3.2	26	4.0	2400
Legates, David	Middletown 6 N	39.3	24.8	32.1	65	1	16	16	0	5	29	37		27	1.88	0.99	12	38.45	5	0					2400
NWS Wilmington	New Castle Co. Apt.	38.6	24.5	31.6	60	1	15	17	0	6	29	62	NW	27	2.41	1.07	12	43.96	6	1	4.0	3.2	26	4.0	2400
UofDE AG FARM DEOS***	Newark	37.8	24.5	31.2	60	1	16	17+	0	5	29	33		27	0.79	0.74	1	35.11	2	0					2400
U of D REC DEOS***	Townsend 4 W	37.8	24.3	31.1	66	1	12	17	0	6	29	40		1	1.89	0.92	1	38.65	5	0					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	39.7	24.8	32.3	65	1	14	16+	0	4	29	46	SSE	1	2.42	1.00	26	36.41	6	1					2400
U of D REC DEOS***	Georgetown 5 SW	38.5	24.3	31.4	65	1	14	18+	0	5	29	32		1	1.50	0.91	12	30.38	6	0					2400
U of D REC DEOS***	Harbeson 8 S	38.6	23.8	31.2	65	1	11	30	0	4	29	27		13	1.42	0.80	12	33.96	6	0					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	26.3	17.0	21.7	53	1	7	14	0	25	30				2.98	2.41	1	45.43	10	1	14.0	2.5	7	14.0	0700
Mullins, Nate**	LaVale	32.0	22.7	27.4	56	1	13	14	0	18	31				1.68	1.31	1	37.61	6	1	3.5	2.5	16	3.5	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	39.0	24.3	31.7	62	1	16	16	0	4	29	42	WNW	27	1.96	0.99	12	45.53	9	0	1.8	1.8	-	1.8	2400
Jug Bay Wetlands	Lothian	39.3	23.6	31.5	64	1	14	16	0	4	29				2.09	1.09	1	43.55	6	1	M	M		M	1500
NWS Baltimore	BWI Airport	39.9	24.9	32.4	62	1	16	16	0	4	30	48	ESE	1	1.96	0.92	12	43.47	7	0	1.2	1.2	16	1.2	2400
Stoudt, Jeff	Laurel 2 E	38.7	25.9	32.3	62	1	18	15+	0	4	29				1.91	0.84	12	44.43	7	0	1.9	1.2	16	1.9	2400
<i>Baltimore, Maryland</i>																									
Sharrow, Marty	Owings Mills 2 SE	36.9	22.7	29.8	60	1	14	17	0	7	31				2.29	1.07	12	38.73	8	1	2.0	1.0	16	2.0	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	40.5	29.2	34.9	65	1	20	16	0	2	24				2.08	0.96	12	41.48	5	0	1.5	1.5	16	1.5	2400
Maryland Science Ctr	Baltimore Inner Harbor	39.8	29.2	34.5	64	1	21	15+	0	3	25				1.80	0.94	12	41.65	5	0					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	35.7	20.5	28.1	60	1	12	14+	0	12	31				2.23	1.29	1	41.06	6	1	1.9	1.0	16	1.9	2300
Hartsock, Ralph	Westminster 4 SSE	37.4	24.4	30.9	61	1	15	17	0	5	30	47	WNW	13	2.40	1.34	1	41.33	6	1	1.5	0.8	16	1.5	1900
Miller, Bobby	Millers 4 NE	36.3	22.3	29.3	60	1	13	17	0	11	30	53	NNW	23	2.87	1.81	1	42.99	7	1	2.3	0.6	16	2.3	1800
Muller, Ray	Westminster City																	36.75							1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	39.6	25.3	32.5	63	1	15	15+	0	4	28				1.90	0.97	12	40.61	6	0	2.6	2.0	16	2.6	2000/2400
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	36.9	23.4	30.2	63	1+	10	17	0	8	30				2.18	0.76	1	41.14	6	0	2.0	1.0	11+	2.0	0700
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock																	4.60							0800

**ACON MD / DE / DC
DECEMBER 2010 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>Howard, Maryland</i>																														
Giannola, Rich	Laurel JHU / APL <i>Montgomery, Maryland</i>	36.6	24.4	30.5	61	1	17	14+	0	10	29	50	NW	27	1.56	0.67	1	38.74	5	0	1.9	1.5	16	1.9	2400					
Berger, Ron	Norbeck 1 SE	37.5	24.5	31.0	63	1	15	9+	0	5	29				2.07	1.07	1	45.36	7	1	2.4	1.5	16	2.4	2200					
Cohen, Rob	Potomac 4 N	37.0	25.4	31.2	62	1	16	17	0	6	29				1.74	0.90	1	45.19	5	0	1.5	1.3	16	1.5	2100					
Giannola, Rich	Olney 1 S	37.1	23.5	30.3	61	1	14	17	0	4	30				1.89	0.98	1	42.40	6	0	2.1	1.5	16	2.1	2400					
Holden, Richard	Clarksburg 2 ENE	36.3	24.1	30.2	62	1	13	16+	0	9	30	50	WNW	27	1.61	0.81	1	42.92	7	0	3.5	2.3	16	3.5	2400					
Roth, David	Montgomery Village 1SW	<u>37.7</u>	<u>25.2</u>	<u>31.5</u>	62	1	13	17	0	3	22				<u>0.61</u>	0.61	1	<u>41.00</u>	1	0					2400					
Rossen, Stan	Glenmont 1 NNE	39.1	24.5	31.8	63	1	16	17	0	4	29	33	N	27	1.92	0.95	1	43.71	6	0	1.7	1.3	16	1.7	2400					
Scafide, Tony	Bethesda	37.7	25.7	31.7	63	1	17	17	0	4	30	25		23	1.82	1.03	1	<u>36.79</u>	8	1					2400					
Shaw, Kevin	Gaithersburg 2 WNW	38.0	25.3	31.7	63	1	15	17	0	4	29	31	NE	23	1.55	0.78	1	43.41	5	0	2.1	1.8	16	2.1	2400					
Terry, Joe	Forest Glen	40.6	25.4	33.0	63	1	17	9	0	3	29	44	NW	27	1.93	0.90	1	45.80	6	0	2.0	1.3	16	2.0	2400					
<i>Prince Georges, Maryland</i>																														
Smith, Brian	Oxon Hill	39.1	26.1	32.6	64	1	19	15+	0	4	29				2.07	1.00	1	41.34	6	1	2.4	1.6	16	2.4	2300					
<i>St. Marys, Maryland</i>																														
Abell, Floyd	Hollywood	STATION CLOSED APRIL 2010																												
Gleason, Wes	Hollywood 3 ENE	<u>40.7</u>	<u>27.5</u>	<u>34.1</u>	63	1	19	15	0	2	21				1.80	0.68	12	<u>14.97</u>	5	0	1.9	1.9	16	<u>1.9</u>	0700/2400					
Zyla, John	Ridge	39.5	27.7	33.6	63	1	19	16	0	3	27	26	SW	1	2.70	0.99	12	50.43	9	0	9.3	4.7	26	9.3	2400					
<i>Washington, Maryland</i>																														
Hutto, Max	Smithsburg 1.5 SW	35.3	22.0	28.7	61	1	9	16+	0	11	30	37		14+	2.31	1.76	1	39.91	5	1	1.3	1.0	16	1.3	2400					
Keefer, Greg	Hagerstown 1 E	35.5	22.5	29.0	61	1	10	16+	0	10	31	53	W	1	2.67	2.17	1	35.76	5	1	1.3	1.2	16	1.3	2400					
Vaughn, Jim	Smithsburg 2 NE	34.9	19.2	27.1	64	1	9	13+	0	12	31	61	NW	21	1.93	1.41	1	36.02	6	1	1.1	0.9	16	1.1	2400					
<i>Wicomico, Maryland</i>																														
NWS Salisbury	Wicomico Co. Apt	39.7	24.3	32.0	65	1	14	16+	0	4	29	48	NNW	27	1.30	0.78	12	39.82	4	0	M	M		M	2400					
<i>Arlington, Virginia</i>																														
NWS Washington National Airport	National Airport	40.7	28.5	34.6	65	1	21	15+	0	2	27	55	NNW	27	1.78	0.78	1	34.78	5	0	2.1	1.5	16	2.1	2400					
<i>Loudon, Virginia</i>																														
NWS Washington Dulles	Dulles Airport	38.3	23.5	30.9	64	1	11	17	0	4	30	53	WNW	27	1.47	0.74	1	39.10	5	0	1.5	1.4	16	1.5	2400					
Shaffer, Lance	Sterling 4 N	38.5	26.1	32.3	64	1	14	17	0	4	29				<u>0.19</u>	0.18	16	<u>38.88</u>	2	0	1.9	1.8	16	1.9	2400					
<i>Tucker, West Virginia</i>																														
Leshner, Dave	Davis 3 SE WV	21.8	11.9	16.9	52	1	-3	15	0	27	31				4.90	1.41	1	52.22	24	1	71.0	9.4	27	76.7	0700					
SECTION AVERAGE*		37.5	23.9	30.7											2.06			41.10			2.1			2.1						

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

**OBSERVER FOR LAVALLE 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

NOTES:

M OR UNDERLINE= MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

ITALIC = ESTIMATED DATA

+ = FIRST OF SEVERAL OCCURANCES

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 2/1/11 REV 2/7/11

**ACON MD / DE / DC
DECEMBER 2010 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	61 36	41 31	41 30	41 29	38 31	36 29	36 28	36 25	34 17	36 17	44 22	55 40	43 22	28 19	31 20	27 15	36 14	37 15	37 19	37 25	40 29	41 30	39 27	41 27	31 27	30 23	34 22	41 28	42 21	45 18	47 23	38.8 24.6	2400 EST	
MIDDLETOWN 6 N LEGATES	65 35	41 30	42 30	41 29	39 32	37 30	36 28	36 24	35 17	36 18	44 23	57 40	43 22	28 19	32 21	26 16	37 17	36 20	37 24	37 28	40 30	41 32	39 25	41 27	31 23	30 22	35 22	42 28	42 23	45 19	48 24	39.3 24.8	2400 EST	
WILMINGTON , DE NWS NEW CASTLE CO APT	60 35	42 29	42 29	41 28	38 30	37 28	36 28	36 23	34 21	35 19	44 22	56 40	43 20	28 18	31 19	26 18	36 15	36 18	37 20	37 22	40 28	40 27	41 31	40 28	41 26	40 22	41 21	39 27	41 23	43 19	46 26	38.6 24.5	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS	60 35	40 30	40 30	38 30	37 30	35 28	35 28	33 23	34 18	44 18	44 23	55 39	42 20	26 17	30 19	25 17	35 16	36 16	36 19	39 24	38 28	40 29	40 31	38 28	30 26	29 22	33 21	40 27	40 23	45 20	46 24	37.8 24.5	2400 EST	
TOWNSEND 4 W, DE U of D REC DEOS	66 36	39 32	40 31	39 30	37 31	36 30	34 27	34 25	33 19	35 23	43 38	58 43	43 22	27 18	30 20	25 13	34 12	35 15	35 20	35 24	39 27	38 28	40 31	38 26	30 22	28 22	32 21	40 27	41 23	44 18	47 28	37.8 24.3	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	65 37	43 27	42 32	41 29	39 31	37 29	35 28	35 23	36 19	42 18	52 23	60 47	47 22	27 20	30 20	26 14	35 14	35 15	37 27	37 23	40 28	40 28	41 31	39 25	34 28	29 23	34 22	39 27	41 20	44 14	49 25	39.7 24.8	2400 EST	
GEORGETOWN, DE U of D REC DEOS	65 37	42 27	40 30	40 28	38 30	37 29	34 27	34 23	34 17	41 17	51 22	59 46	46 21	26 20	29 15	24 15	33 14	34 14	35 26	35 23	38 27	38 27	40 31	38 25	33 23	28 23	32 22	38 26	39 17	44 14	49 27	38.5 24.3	2400 EST	
HARBESON 8 S, DE U of D REC DEOS	65 37	42 27	40 30	40 28	38 30	37 28	34 27	34 24	34 17	41 16	51 23	58 47	47 22	26 19	29 18	26 15	34 14	35 12	35 25	39 24	38 28	39 30	37 25	33 27	29 22	33 21	38 27	40 16	43 11	49 21	38.6 23.8	2400 EST		
FROSTBURG LATTA	53 34	34 23	27 23	29 18	29 17	25 18	21 12	19 12	20 14	23 11	26 18	40 25	34 17	17 7	18 7	18 10	26 11	28 17	23 16	23 15	27 18	31 21	27 20	25 20	25 20	21 12	20 12	27 17	34 21	36 24	26.3 17.0	0700 EST		
LAVALE MULLINS**	56 32	33 29	34 31	34 31	33 25	29 22	25 20	27 18	30 20	31 18	37 19	35 31	31 17	19 13	21 17	25 15	31 15	31 15	31 17	30 25	32 25	35 30	33 26	30 27	31 26	29 20	35 18	40 23	40 25	50 24	32.0 22.7	2400 EST		
PASADENA 2 N HANSON	62 35	41 26	40 29	41 25	39 30	37 27	35 27	36 22	36 17	41 18	52 22	40 35	27 22	31 20	25 18	37 16	38 19	36 21	36 23	42 26	43 30	42 31	40 25	40 29	33 25	31 25	36 26	42 26	47 23	48 20	48 24	39.0 24.3	2400 EST	
LOTHIAN JUG BAY	64 42	42 25	40 25	43 22	38 30	37 28	35 27	36 18	35 16	41 18	54 39	43 21	54 36	39 19	27 19	26 14	38 17	36 15	35 22	38 17	41 26	41 27	40 26	34 27	30 25	34 28	35 24	42 26	46 20	52 26	39.3 23.6	1500 EST		
BALTIMORE NWS BWI APT	62 32	41 26	42 30	42 27	39 30	37 28	36 26	36 22	36 19	43 21	54 23	40 37	28 22	32 20	25 19	37 16	37 17	37 22	37 21	42 22	45 21	43 26	41 31	34 27	31 29	36 26	43 26	48 26	47 26	50 21	39.9 24.9	2400 EST		
LAUREL 2 E STOUDT	62 33	39 28	40 32	40 29	38 30	35 27	35 26	34 22	34 22	43 25	53 37	39 21	25 19	30 18	25 18	35 19	36 25	35 26	39 23	43 27	42 31	40 28	36 30	31 26	34 26	42 26	46 26	47 23	51 26	38.7 25.9	2400 EST			
OWINGS MILLS 2SE SHARROW	60 32	38 26	37 29	37 25	35 28	35 26	33 21	33 18	32 16	42 18	51 21	37 32	23 18	31 15	23 19	23 15	33 14	35 19	33 18	33 22	37 27	38 27	41 29	40 32	33 28	30 23	34 24	42 24	47 25	49 19	36.9 22.7	2400 EST		
BALTIMORE 2SE MANFRE	65 38	44 34	41 34	43 31	40 33	38 30	36 28	35 26	35 25	38 29	44 30	55 39	42 23	28 22	33 21	26 20	38 23	39 29	36 28	37 28	43 29	44 34	43 33	42 31	35 31	33 27	36 28	43 28	48 31	51 30	40.5 29.2	2400 EST		
BALT INNER HARBOR MD SCIENCE CENTER	64 37	42 33	40 34	43 32	40 31	37 28	36 26	35 25	35 29	37 31	44 39	54 42	43 27	27 21	31 21	26 23	36 29	39 28	37 29	42 34	43 33	43 40	40 34	34 34	36 27	36 28	43 28	48 31	44 30	47 32	39.8 29.2	2400 EST		
MANCHESTER 1SW CLOSE	60 28	36 26	36 24	37 20	33 24	32 23	31 19	31 17	29 15	42 18	51 23	36 32	22 14	28 12	22 13	34 12	36 12	32 20	32 18	36 20	37 25	38 25	36 21	29 22	28 18	32 19	38 19	44 25	44 25	51 27	35.7 20.5	2300 EST		
WESTMINSTER 4 SSE HARTSOCK	61 41	42 30	41 31	38 27	34 29	34 26	34 23	33 21	33 19	44 24	51 41	34 26	28 28	28 17	34 16	38 15	33 22	34 22	37 20	37 24	41 29	37 28	34 25	34 27	29 24	32 24	37 23	44 28	47 23	52 28	37.4 24.4	1900 EST		
MILLERS 4NE MILLER	60 36	36 27	38 28	38 25	34 27	32 25	32 22	31 21	32 15	42 15	52 21	40 32	21 15	23 18	28 15	23 13	33 19	34 18	33 21	33 27	39 27	38 24	37 24	31 21	28 21	32 20	40 22	44 28	45 19	49 25	36.3 22.3	1800 EST		
WESTMINSTER CITY MULLER																																		1900 EST
BRYANS ROAD 2 ESE BRUMBACK	63 36	42 28	41 31	43 29	38 30	38 27	36 26	36 22	37 17	39 22	44 24	45 36	40 21	28 19	31 15	24 15	35 18	37 17	37 26	36 23	40 26	45 30	42 30	40 29	35 30	30 26	35 25	46 24	47 25	53 23	39.6 25.3	2400 EST		
EMMITSBURG 2 SE GLASS	63 41	63 31	39 31	38 27	39 29	36 28	33 25	33 23	32 20	34 17	30 17	38 20	40 30	32 19	25 18	29 16	23 10	34 18	36 20	34 22	35 24	39 25	41 29	40 25	37 25	32 26	28 24	33 24	41 26	44 17	44 17	36.9 23.4	0700 EST	

ACON MD / DE / DC
DECEMBER 2010 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	
EAGLE ROCK HARVEY																																		0800 EST
LAUREL JHU / APL GIANNOLA	61	38	37	38	35	34	31	31	32	34	43	52	37	22	28	23	34	35	32	33	37	40	38	36	31	29	31	40	44	46	50	36.6	2400 EST	
NORBECK 1 SE BERGER	63	38	39	38	37	35	32	33	34	34	44	50	39	24	30	24	34	34	34	34	36	41	40	38	33	30	33	41	45	46	51	37.5	2200 EST	
POTOMAC 4N COHEN	62	39	39	38	37	34	33	32	33	34	43	41	40	24	29	25	35	35	34	34	36	40	39	36	34	30	32	40	44	45	50	37.0	2100 EST	
OLNEY 1 S GIANNOLA	61	38	38	38	37	35	33	33	34	33	44	50	37	23	29	23	34	35	33	34	35	39	39	37	33	31	33	40	44	46	51	37.1	2400 EST	
CLARKSBURG 2ENE HOLDEN	62	37	38	38	35	34	31	31	33	33	46	46	35	23	28	22	33	33	32	34	35	40	39	36	31	28	32	40	45	45	51	36.3	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	62	39	39	39	35	34	M	29	M	M	M	M	M	M	M	25	34	36	34	34	35	39	39	36	34	31	33	M	44	45	52	37.7	2400 EST	
GLENMONT 1NNE ROSSEN	63	41	40	40	38	36	35	36	36	35	46	50	38	26	32	24	39	36	35	35	38	42	41	39	34	31	35	43	46	48	53	39.1	2400 EST	
BETHESDA SCAFIDE	63	39	41	39	38	35	34	34	34	36	45	44	36	25	30	24	36	36	34	35	37	41	40	38	33	30	33	41	45	45	51	37.7	2400 EST	
GAITHERSBURG 2WNW SHAW	63	39	40	40	37	35	35	34	34	35	45	41	37	25	31	25	36	36	35	36	36	41	41	38	33	30	34	42	46	47	51	38.0	2400 EST	
FOREST GLEN TERRY	63	42	42	43	39	38	38	36	38	36	47	47	38	26	33	26	41	39	39	38	39	46	43	42	35	31	37	45	49	48	54	40.6	2400 EST	
OXON HILL SMITH	64	42	41	41	38	36	36	36	36	38	45	43	39	26	32	25	37	36	36	36	39	42	42	39	34	32	33	44	47	46	51	39.1	2300 EST	
HOLLYWOOD ABELL																																		2359 EST
HOLLYWOOD 3 ENE GLEASON	63	44	41	42	39	38	37	36	37	41	44	54	44	27	33	28	37	34	37	37	40	41	42	>	>	>	>	>	>	>	>	60	<u>40.7</u>	2400 EST
RIDGE ZYLA	63	44	41	43	38	38	37	36	38	41	44	53	43	28	33	29	34	35	35	37	38	40	42	42	35	30	35	42	41	43	47	39.5	2400 EST	
SMITHSBURG 1.5 SW HUTTO	61	36	37	36	34	32	31	30	31	32	40	39	34	22	27	23	34	34	33	33	37	38	38	35	31	28	31	40	44	43	50	35.3	2400 EST	
HAGERSTOWN 1E KEEFER	61	36	37	37	35	33	32	29	32	32	40	38	35	22	27	23	36	34	33	34	37	38	38	36	31	28	31	40	45	43	49	35.5	2400 EST	
SMITHSBURG 2 NE VAUGHN	64	35	35	35	33	31	31	29	31	34	40	41	34	22	26	23	33	33	32	32	37	38	37	34	30	28	30	39	43	42	50	34.9	2400 EST	
SALISBURY NWS WICOMICO CO APT	65	44	42	42	39	37	35	34	36	43	52	58	47	27	30	27	36	35	37	36	39	38	41	39	35	30	34	39	40	45	49	39.7	2400 EST	
WASH NATIONAL NWS ASOS	65	43	43	43	41	39	36	37	37	39	47	45	40	28	34	27	39	36	38	38	41	45	44	41	36	33	37	46	48	47	50	40.7	2400 EST	
WASH DULLES NWS ASOS	64	39	40	41	38	36	34	34	35	37	44	40	37	25	31	24	37	36	34	36	38	43	41	38	34	30	34	44	46	45	52	38.3	2400 EST	
STERLING 4 N SHAFFER	64	39	41	40	39	34	35	34	35	35	45	40	37	25	25	26	38	36	37	39	43	41	38	35	30	35	45	46	47	52	38.5	2400 EST		
DAVIS 3 SE WV LESHAR	52	25	20	21	24	17	13	11	13	22	31	35	35	11	4	15	26	17	24	24	16	17	24	23	18	18	20	16	15	23	27	43	21.8	0700 EST
	25	16	16	8	8	12	5	5	8	9	19	29	10	-2	-3	3	15	14	12	10	10	14	15	13	13	14	8	7	12	17	27	11.9	EST	

ACON MD / DE / DC
DECEMBER 2010 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	0.99				T	T				T	0.04	1.04	T	T		0.04									T	0.30	0.03				2.44	2400		
MIDDLETOWN 6 N LEGATES	0.80									T	0.04	0.99	0.01			0.04	<									T	3.2	0.3				4.0	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT	0.91				T	T				T	0.08	1.07	T	T		0.04									T	0.28	0.03				2.41	2400		
NEWARK AG FARM, DE U OF DE DEOS	0.74										0.05	M				M										T	3.2	0.3				4.0	2400	
TOWNSEND 4 W, DE U of D REC DEOS	0.92										0.05	0.84	0.01			0.07	<									T	M	M				1.89	2400	
GEORGETOWN, DE NWS SUSSEX CO APT	0.45				T						0.11	0.76	T	T		0.09									0.01	1.00	T				2.42	2400		
GEORGETOWN, DE U of D REC DEOS	0.32										0.09	0.91	0.01				0.15									T	M	0.02			-	2400		
HARBESON 8 S, DE U of D REC DEOS	0.35										0.11	0.80					0.13	0.01								T	M	0.02			1.42	2400		
FROSTBURG LATTA	2.41	0.11	T	T	T	0.04	0.06	0.01	0.01	T		0.04	T	0.15	T		0.14	T						T	0.01	T	T	T	T		T	2.98	0700	
LAVALE MULLINS**	1.31				T	T	T	T	T			0.10		>	>	0.24						T	T	0.01		0.01	T	T	T		0.01	1.68	2400	
PASADENA 2N HANSON	0.71	0.01									0.12	0.99		0.01			0.08	0.01	0.01													1.96	2400	
LOTHIAN JUG BAY	1.09			0.02			0.01	0.01							0.94			0.02														1.8	2400	
BWI NWS ASOS	0.80									0.01	0.09	0.92	T			0.11										0.01	0.02	T				1.96	2400	
LAUREL 2 E STOUDT	0.77									T	0.10	0.84	0.02	0.01		0.13										T	T					1.91	2400	
OWINGS MILLS 2SE SHARROW	0.94				T		T			0.02	0.07	1.07	T			0.10									0.01	0.07	0.01					2.29	2400	
BALTIMORE 2SE MANFRE	0.89				T					T	0.07	0.96	T			0.13										T						2.08	2400	
BALT INNER HARBOR MD SCIENCE CENTER	0.63										0.07	0.94				0.13											0.03						1.5	2400
MANCHESTER 1SW CLOSE	1.29		T	T	T	T				0.03	0.07	0.72	T	T		0.08									T	0.04						2.23	2300	
WESTMINSTER 4 SSE HARTSOCK	1.34									0.05		0.89	0.02			0.08										0.02		T				2.40	1900	
MILLERS 4NE MILLER	1.81		T		T	T	T			0.03		0.86	0.02	T		0.07	T								T	0.04	0.04					2.87	1800	
WESTMINSTER CITY MULLER																																		1900
BRYANS ROAD 2 ESE BRUMBACK	0.62										0.07	0.97	0.02			0.21										0.01	T					1.90	2000	
EMMITSBURG 2 SE GLASS	0.76	0.39									0.25	0.48	0.25				0.05																2.6	EST
											1.0						1.0															2.18	0700	
																																2.0	EST	

ACON MD / DE / DC
DECEMBER 2010 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
EAGLE ROCK HARVEY																																0800 EST	
LAUREL JHU / APL GIANNOLA	0.67									T	0.07	0.64	T	T		0.15										0.03					1.56	2400 EST	
NORBECK 1 SE BERGER	1.07									T	0.02	0.79	T	0.01		0.13									T	0.02					2.07	2200 EST	
POTOMAC 4N COHEN	0.90		T							T	T	0.69	T	0.01		0.13									T	0.01					1.74	2100 EST	
OLNEY 1 S GIANNOLA	0.98									T	>	0.71	T	0.02		0.15									T	0.02					1.89	2400 EST	
CLARKSBURG 2ENE HOLDEN	0.81	T	T		T	T				0.01	0.06	0.55	T	0.03		0.14									0.01	T	T				1.61	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	0.61						M		M	M	M	M	M	M	M																0.61	2400 EST	
GLENMONT 1NNE ROSSEN	0.95									T	0.05	0.78	T	0.01		0.12									T	0.01	T				1.92	2400 EST	
BETHESDA SCAFIDE	1.03										0.05	0.62	0.01				0.05	0.04			0.01		0.01								1.82	2400 EST	
GAITHERSBURG 2WNW SHAW	0.78		T							T	0.05	0.54	T	0.01		0.17									T	T					1.55	2400 EST	
FOREST GLEN TERRY	0.90									T	0.07	0.80	T	0.01		0.14									T	0.01					1.93	2400 EST	
OXON HILL SMITH	1.00										0.05	0.81	0.01	T		0.16								T		0.04					2.07	2300 EST	
HOLLYWOOD ABELL																																2359 EST	
HOLLYWOOD 3 ENE GLEASON	0.08	0.24										0.68	0.59	T			0.21							M	M	M	M	M	M	M	M	1.80	0700 EST
RIDGE ZYLA	0.34			0.01	T						0.23	0.99	0.15			0.31										0.12	0.53	0.02				2.70	2400 EST
SMITHSBURG 1.5 SW HUTTO	1.76									0.01	0.02	0.41				0.11										0.1						2.31	2400 EST
HAGERSTOWN 1E KEEFER	2.17	T	T		T	T		T		0.01	0.02	0.39	T	T	T	0.08									T	T					2.67	2400 EST	
SMITHSBURG 2 NE VAUGHN	1.41				T	T				0.01	0.01	0.43	T			0.06										0.01	T					1.93	2400 EST
SALISBURY NWS WICOMICO CO APT	0.36				T						0.15	0.78	0.01	T		T										T	M	T			1.30	2400 EST	
WASH NATIONAL NWS ASOS	0.78									T	0.05	0.77	T	T		0.17										T	0.01	T				1.78	2400 EST
WASH DULLES NWS ASOS	0.74									T	0.07	0.47	T			0.18										T	0.01					1.47	2400 EST
STERLING 4 N SHAFFER	M		T							T			T	T		0.18									T	0.01					0.19	2400 EST	
DAVIS 3 SE WV LESHAR	1.41	0.13	0.06	0.14	0.11	0.25	0.38	0.31	0.15	T		0.01	0.24	0.18	0.14	T	0.32	0.03		0.08	0.05	T	0.11	0.15	0.07	0.02	0.39	0.16	T	T	0.01	4.90	0700 EST
	T	1.8	1.0	3.4	2.4	6.6	8.3	7.9	4.8	T			2.3	3.3	2.6	T	3.8	0.7		2.0	1.2	T	1.8	2.9	0.7	0.4	9.4	3.7	T			71.0	