



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

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

THREE FACE MONTH: COLD AND WINDY, THEN MILD, AND FINALLY COLD WITH SNOW

January's temperatures averaged a degree above normal while precipitation was an inch below normal. Most of the months snow fell on the last weekend of the month. Temperature extremes were typical for January. There was only one sub zero temperature reading and two daily snowfall totals over 7.5" this month among all of the stations in Maryland and Delaware.

A cold front that crossed the region on New Years day ushered in cold, windy conditions which would last for the first 12 days. Winds blew unabated from the west to northwest for the first week. 40+ MPH wind gusts was common on the 2nd and 3rd. Snow flurries were common especially over central and western Maryland. Temperatures failed to rise above 40° from the 2nd thru the 13th.

The first snowfall event occurred on the 8th. Amounts were generally in the one to two inch range except in Garrett County Maryland and Tucker County West Virginia where 6 inches fell. 3.0" fell in Ridge, St Marys County.

The "January Thaw" began on the 14th and lasted through the 28th. 50 degree plus readings occurred on 6 or 7 days during this period. Minimum temperatures fell below or to slightly above freezing on a majority of the days during the "thaw".

Two rainfall events occurred during the "January Thaw." The first rain event occurred on the 17th. Rainfall amounts were generally around three quarters of an inch except on the Delmarva Peninsula where amounts averaged 1 1/2 inches and in southern St. Marys County where John Zyla of Ridge reported 1.49" along with a thunderstorm.

The second rainfall event occurred on the 24th and 25th. Amounts were the heaviest in Washington County where over 2 inches fell. Jim Vaughn of Smithsburg 2 NE reported 2.79" along with a peak wind gust of 61 MPH from the south along with sustained 45+ mph winds for 8 consecutive hours. Both Jim Vaughn and Greg Keefer of Hagerstown 1E reported

widespread flooding of small streams, fields, and low lying roads. Temperatures rose into the 60's for the only time this month on the 25th. Joe Manfre of Baltimore 2 SE reported 68°

Weather forecasting is not an exact science. A storm, which was forecasted to only bring light snow to the southern portion of the region, moved further north than forecasted and brought with it the heaviest snowfall of the month on the 30th. The snow was very dry and fluffy. The heaviest amounts fell in St. Marys County where John Zyla of Ridge reported 15.2" and Floyd Abell of Hollywood 11.8". Amounts decreased to less than 3 inches in extreme northern Maryland. Temperatures during the event were in the mid to upper teens.

As a result of the fresh snow cover, light winds, and a clear sky the temperatures dropped below the teens across most of the region on the morning of the 31st.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	68
Jug Bay Wetlands	66
Bryans Road 2 ESE	66
Forest Glen	66
Oxon Hill	66
Hollywood	66

MINIMUM TEMPERATURE

Davis 3 SE WV	-5
Eagle Rock	-4
Frostburg	1
Smithsburg 1.5 SW	1

WARMEST AVG. TEMP.

Baltimore 2 SE	35.8
Hollywood	35.0
Ridge	35.0

COLDEST AVG. TEMP.

Davis 3 SE WV	19.3
Eagle Rock	21.2
Frostburg	22.9

MAXIMUM PRECIPITATION

Davis 3 SE WV	6.31
Eagle Rock	4.60
Ridge	4.12

MINIMUM PRECIPITATION

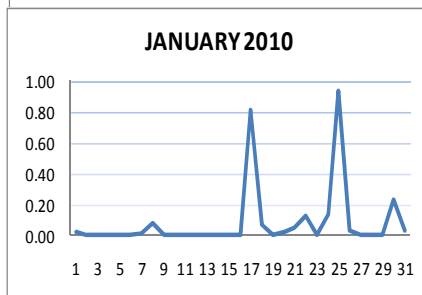
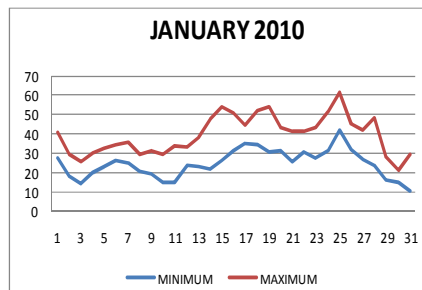
Olney 1 S	1.87
Glenmont 1 NNE	1.87
Oxon Hill	1.87

MAXIMUM SNOWFALL

Davis 3 SE WV	68.7
Eagle Rock	40.5
Ridge	18.2

MINIMUM SNOWFALL

Smithsburg 2 NE	3.9
Hagerstown 1 E	4.0
Smithsburg 1.5 SW	4.2



ACON MD/DE Network

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

OBSERVER COMMENTS FOR JANUARY 2010

Gary Gallaher of Bear 2 SW, DE

2nd to 6th - Persistent winds from the West to Northwest peaking at 45 mph averaged nearly 13 mph for the period.

25th - Heavy AM rain. 60°+ temperatures mid day.

30th - Very dry "squeaky" snow. Temperature remained in the mid teens during the storm.

Greg Latta of Frostburg

1st & 22nd - Glaze.

Nate Mullins of LaVale

1st to 12th - Prolonged period of sub-freezing temperatures, wind, and cold.

28th - Cold front moved through bringing locally damaging west wind gusts to 40+ mph.

30th - Surprised fluffy snow with 0.09" liquid from a storm system to the south. No snow fell 20 miles to the north.

Jeff Stoudt of Laurel 2 E

7th to 8th - Light snow late evening on the 7th continued till dawn of the 8th.

30th - Fluffy snow between 0900 and 2100.

Marty Sharrow of Owings Mills

3rd - Partly sunny, windy, and very cold.

30th - Surprise snowstorm, bitter cold.

31st - Azure blue skies and cold.

Joe Manfre of Baltimore 2SE

2nd - Variable clouds, cold, very windy.

8th - Light snow until early morning.

25th - Cloudy, warm, occasional rain.

Ralph Hartsock of Westminster 4 SSE

1st - Overnight freezing rain.

3rd - Very windy, bitter cold, sunny, late flurries.

17th - All day soaking rain.

19th - Very frosty morning.

25th - High winds, flooding and warm temps. Clearing late.

30th - Daytime temperature 14°, very cold.

Bobby Miller of Millers 4 NE

1st - AM freezing drizzle, late afternoon snow pellet shower.

14th - Some AM frost, nearly 100% sunshine, mildest day since 12/25/09.

19th - Heavy AM frost.

Ray Muller of Westminster City

24th & 25th - Deep low produces 1.03" of rain, low barometer of 998 MB and wind gusts of 35 knots from the west.

31st - Very cold morning, 9° at 0600.

Marty Brumback of Bryans Road 2 ESE

22nd - Rain and ice pellets morning and early afternoon.

Eric Glass of Emmitsburg 2 SE

1st - Light ground fog, icy, cloudy.

22nd - Light sleet off and on.

25th - Heavy and steady rain, windy.

Rich Giannola of JHU/APL

2nd - Peak wind gust 44 MPH NW @ 1:35 PM

3rd - Peak wind gust 46 mph WNW @ 1:22 PM

21st - Evening sleet changing to rain.

Rob Cohen of Potomac 4 N

The 8.0" of snow is the most for January since 2005.

20th - Brief rain / sleet pre-dawn.

Rich Giannola of Olney 1 S

30th - Very powdery snow. Snow / rain = 19.4 to 1.

31st - Strong early morning radiation cooling with the snowpack.

Richard Holden of Clarksburg 2 ENE

21st - Moderate sleet, light freezing rain.

22nd - Light freezing rain, moderate sleet, light snow.

30th - Moderate snow, light snow pellets.

Stan Rossen of Glenmont 1 NNE

I have rarely seen the wind so persistent here - particularly at night. During the first dozen days of the month (once it picked up on the 1st) the wind rarely went calm for even an hour at a time. At this valley location the wind is usually calm all night on most nights.

Kevin Shaw of Gaithersburg 2 WNW

26th - Cloudy, colder, light afternoon rain / snow / snow pellet showers.

30th - Daily record low maximum temperature of 21°.

30th - Cloudy, very cold, snow from about 9 AM to 10 PM.

Joe Terry of Forest Glen

3rd - Extremely windy, highest gust since Dec 31, 2008.

30th - Very dry snow, consistently 17:1 ratio. Temps remained in mid to upper teens during the entire storm.

Brian Smith of Oxon Hill

13th - There are still small snow piles around from the Dec 18-19 storm!

Floyd Abell of Hollywood

8th - Early AM snow them fair.

17th - Rainy day, foggy at times.

30th - Snowy day.

John Zyla of Ridge

17th - Thunderstorm, dense PM fog.

30th & 31st - 14.2" of snow from 6 AM of the 30th to 4 AM of the 31st.

Max Hutto of Smithsburg 1.5 SW

21st - Late snow, sleet, freezing rain.

25th - Much warmer, very windy. Heavy rain overnight into mid day. Event total 2.90".

Greg Keefer of Hagerstown 1 E

7th - Temperatures briefly rose above freezing for the first time in 140 hours today for 2 hours.

25th - Heavy rain and strong SE winds overnight gusted to 45 MPH. Flooding was reported in rivers, streams and roads across the area.

Lance Shaffer of Sterling 4 N VA

2nd - Gusty winds.

Dave Leshner of Davis 3 SE WV

Snow depth ranged from 5" on the 25th to 31" on the 9th and 10th.

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
JANUARY 2010 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>																									
Gallagher, Gary	Bear 2 SW	39.6	24.0	31.8	62	25	12	11	0	9	29	45	WNW	3	2.90	1.77	25	2.90	8	1	6.1	4.3	30	25.8	2400
Legates, David	Middletown 6 N	40.4	24.8	32.6	63	25	14	11+	0	8	27	33		2	2.65	1.45	25	2.65	7	1					2400
NWS Wilmington	New Castle Co. Apt.	39.9	24.8	32.4	62	25	12	31	0	8	27	49	WNW	3	2.52	1.37	25	2.52	9	1	6.1	4.3	30	25.8	2400
UofDE AG FARM DEOS***	Newark	39.2	24.6	31.9	63	25	11	31	0	10	28	30		3	2.67	1.68	25	2.67	7	1					2400
U of D REC DEOS***	Townsend 4 W	38.4	23.6	31.0	61	25	11	31	0	11	29	35		3	2.93	1.58	25	2.93	7	2					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	41.4	26.4	33.9	62	25	14	31	0	7	26	58	S	25	3.59	1.60	17	3.59	8	2					2400
U of D REC DEOS***	Georgetown 5 SW	40.0	25.1	32.6	61	25	10	31	0	10	27	38		25	3.14	1.59	17	3.14	6	2					2400
U of D REC DEOS***	Harbeson 8 S	39.4	25.0	32.2	61	25	12	31	0	8	28	34		25	3.01	1.51	17	3.01	7	2					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	28.3	17.5	22.9	46	15+	1	3+	0	19	28				2.87	1.17	25	2.87	11	1	14.0	3.4	31	42.6	0700
Mullins, Nate**	LaVale	33.9	22.5	28.2	52	16	5	31	0	13	27				2.82	1.06	25	2.82	6	1	7.2	3.0	30	35.5	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	41.5	24.3	32.9	63	25	11	11	0	7	29	45	SSE	25	2.52	1.03	17	2.52	13	1	7.5	5.5	30	27.5	2400
Jug Bay Wetlands	Lothian	43.4	24.1	33.8	66	26	7	31	0	6	27				2.29	0.81	18	2.29	7	0	9.8	7.5	31	20.8	0900
NWS Baltimore	BWI Airport	40.9	24.4	32.7	66	25	8	31	0	7	28	47	WNW	2+	2.24	0.75	17	2.24	10	0	7.5	5.5	30	30.7	2400
Stoudt, Jeff	Laurel 2 E	40.5	26.1	33.3	63	25	12	31	0	8	25				2.03	0.69	17	2.03	9	0	7.7	6.0	30	31.7	2400
<i>Baltimore, Maryland</i>																									
Sharrow, Marty	Owings Mills 2 SE	37.7	22.6	30.2	58	25	7	31	0	11	28				2.71	0.90	17	2.71	9	0	8.3	7.1	30	35.9	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	42.4	29.2	35.8	68	25	16	31	0	6	19				2.14	0.81	17	2.14	9	0	6.6	5.5	30	28.1	2400
Maryland Science Ctr	Baltimore Inner Harbor	41.8	29.1	35.5	68	25	16	31	0	7	20				2.05	0.78	17	2.05	8	0					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	36.8	21.8	29.3	55	25	8	31	0	12	26				2.43	0.85	17	2.43	8	0	6.9	3.8	30	36.4	2300
Hartsock, Ralph	Westminster 4 SSE	38.1	23.2	30.7	59	25	8	8	0	11	28				2.73	1.32	25	2.73	8	1	6.7	5.0	30	33.2	1900
Miller, Bobby	Millers 4 NE	37.6	23.5	30.6	58	25	10	31	0	12	27	46	SSE	25	2.85	1.46	25	2.85	9	1	4.7	2.8	30	34.9	1800
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	42.5	26.4	34.5	66	25	13	31	0	6	24	40	W	2	2.19	0.77	17	2.19	11	0	9.2	7.4	30	35.9	2400/2000
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	38.9	23.1	31.0	61	26+	8	31	0	9	29				2.87	0.92	18	2.87	7	0	4.5	2.5	31	26.0	0700
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock	27.5	15.1	21.3	50	18	-4	3	0	20	27				4.60	1.09	25	4.60	19	2	40.5	6.0	2+	98.2	0800

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JANUARY 2010 SUMMARY**

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		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	38.6	24.5	31.6	63	25	11	31	0	10	26	46	WNW	3	1.99	0.66	17	1.99	9	0	8.1	6.0	30	36.8	2400
<i>Montgomery, Maryland</i>																									
Berger, Ron	Norbeck 1 SE	39.0	25.0	32.0	61	25	10	31	0	8	35				1.97	0.68	17	1.97	10	0	9.1	6.5	30	35.2	2200
Cohen, Rob	Potomac 4 N	39.1	25.9	32.5	63	25	9	31	0	11	24				1.95	0.68	17	1.95	9	0	8.0	5.8	30	33.2	2100
Giannola, Rich	Olney 1 S	39.2	23.5	31.4	61	25	6	31	0	9	29				1.87	0.63	17	1.87	6	0	8.4	6.0	30	38.7	2400
Holden, Richard	Clarksburg 2 ENE	38.8	24.5	31.7	61	25	7	7	0	10	25	52	WNW	3	2.41	0.87	17	2.41	8	0	9.5	7.5	30	44.6	2400
Roth, David	Montgomery Village 1SW	39.2	25.8	32.5	62	25	10	31	0	7	26				1.88	0.74	17	1.88	9	0					2400
Rossen, Stan	Glenmont 1 NNE	41.5	24.6	33.1	64	25	7	31	0	6	29	33		25	1.87	0.64	17	1.87	10	0	8.9	6.5	30	31.4	2400
Scafide, Tony	Bethesda	39.7	25.7	32.7	64	25	11	31	0	9	24	23		2+	1.51	0.65	17	1.51	10	0					2400
Shaw, Kevin	Gaithersburg 2 WNW	39.9	25.1	32.5	62	25	9	31	0	8	27	34	SE	25	1.97	0.72	17	1.97	9	0	7.9	5.8	30	34.0	2400
Terry, Joe	Forest Glen	43.1	25.8	34.5	66	25	10	31	0	5	25	45	WNW	2	1.92	0.70	17	1.92	9	0	8.1	5.9	30	31.7	2400
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	41.8	26.6	34.2	66	25	14	31	0	7	23				1.87	0.73	17	1.87	10	0	8.4	6.4	30	26.3	2300
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	43.5	26.4	35.0	66	25	13	11	0	5	24	40		3	3.51	1.02	25	3.51	11	1	14.0	11.4	30	28.6	2400
Zyla, John	Ridge	41.8	28.2	35.0	63	25	14	31	0	6	21	29	NW	3	4.12	1.49	17	4.12	8	3	18.2	14.0	30	27.9	2400
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	37.8	22.6	30.2	61	25	1	31	0	12	29	34	SSW	28	4.02	2.51	25	4.02	9	1	4.2	2.5	30	26.7	2400
Keefer, Greg	Hagerstown 1 E	37.8	23.5	30.7	60	25	9	31	0	13	26	46	NW	28	3.78	2.20	25	3.78	8	1	4.0	2.6	30	26.4	2400
Vaughn, Jim	Smithsburg 2 NE	36.9	19.9	28.4	61	25	4	3	0	14	28	61	S	25	3.94	2.11	25	3.94	9	1	3.9	2.2	30	28.2	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	41.4	25.5	33.5	61	25	7	31	0	8	27	55	S	25	4.34	1.71	17	2.63	8	2	M	M		2.0	2400
<i>Arlington, Virginia</i>																									
NWS Washington National	National Airport	42.5	28.0	35.3	68	25	16	3+	0	6	23	46	NW+	2+	1.56	0.68	17	1.56	8	0	7.4	6.4	30	24.0	2400
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	41.5	25.3	33.4	65	25	11	31	0	7	25	49	SE	25	2.01	0.63	17	2.01	9	0	5.7	4.5	30	27.1	2400
Shaffer, Lance	Sterling 4 N	40.9	26.4	33.7	65	25	13	31	0	7	24				2.58	0.79	17	2.58	8	0	7.5	5.5	30	33.8	2400
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	24.6	14.0	19.3	48	25	-5	4	0	20	29				6.31	0.99	25	6.31	25	0	68.7	9.4	6	127.6	0700
SECTION AVERAGE*		39.0	24.0	31.5											2.73		2.73				8.7			32.0	

NOTES:

M OR UNDERLINE= MISSING DATA
 > = INCLUDED IN NEXT DAYS DATA
 ITALIC = ESTIMATED DATA

*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

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 Only reports certified by the National Climatic Data Center in Asheville, NC may be used for these purposes.
 Accuracy of Data from ACON Observers not guaranteed.

ACON MD / DE / DC
JANUARY 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	42 30	30 21	27 19	31 24	32 25	37 28	38 26	33 23	31 21	29 15	33 12	35 25	38 23	48 19	54 21	50 27	45 32	52 30	51 28	43 27	43 23	44 25	42 22	50 29	62 43	44 33	41 26	48 22	25 17	21 15	29 13	39.6 24.0	2400 EST
MIDDLETOWN 6 N LEGATES	42 30	31 21	28 19	32 25	33 26	37 28	39 26	34 24	32 22	31 15	34 14	36 26	39 24	49 21	55 23	52 27	45 32	52 30	51 29	44 28	44 30	45 24	44 30	48 34	63 42	45 34	42 26	49 22	26 16	22 30	30 24	40.4 24.8	2400 EST
WILMINGTON , DE NWS NEW CASTLE CO APT	42 30	30 20	28 19	31 23	33 24	38 28	38 27	33 22	33 20	30 14	33 16	36 25	38 25	47 23	55 24	50 30	45 34	53 33	50 28	44 28	44 25	45 30	42 25	53 31	62 42	44 33	41 27	47 21	25 16	21 15	28 12	39.9 24.8	2400 EST
NEWARK AG FARM, DE U OF DE DEOS	41 29	29 20	27 18	30 24	32 24	36 27	37 27	32 23	29 20	29 14	33 14	34 26	38 23	48 21	54 24	51 28	44 33	51 31	51 28	43 26	42 34	43 27	43 29	51 42	63 42	43 32	41 26	47 21	24 16	20 11	31 24	39.2 24.6	2400 EST
TOWNSEND 4 W, DE U of D REC DEOS	39 29	29 20	26 17	30 23	32 24	36 26	37 27	30 22	29 19	28 14	32 14	33 23	36 24	46 20	53 25	48 26	44 30	50 32	51 27	42 24	41 28	42 22	41 28	55 41	61 44	41 33	47 26	24 14	21 14	24 21	38.4 23.6	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	43 32	32 22	28 18	32 24	35 26	36 30	39 26	34 24	33 16	30 16	34 25	34 26	40 23	50 21	57 27	51 25	49 36	53 33	57 30	45 35	44 28	43 29	40 28	60 31	62 44	48 35	43 30	54 28	27 20	24 17	27 14	41.4 26.4	2400 EST
GEORGETOWN, DE U of D REC DEOS	42 30	31 21	27 17	31 22	33 25	35 29	37 25	31 23	29 15	27 13	34 23	32 23	38 20	49 29	55 26	50 34	49 33	52 30	56 32	43 28	43 28	42 27	41 31	58 43	61 35	46 30	41 27	53 20	27 16	23 10	26 24	40.0 25.1	2400 EST
HARBESON 8 S, DE U of D REC DEOS	41 31	31 21	27 17	31 23	33 25	35 28	38 25	32 23	30 14	28 15	34 13	33 23	38 20	48 27	55 25	50 34	47 32	51 30	56 32	42 27	41 28	42 26	39 30	58 44	58 34	46 28	42 27	53 19	27 17	23 12	39.4 25.0	2400 EST	
FROSTBURG LATTA	33 20	33 11	12 1	11 1	17 11	20 15	22 17	22 10	15 8	21 6	17 6	25 14	21 16	28 18	46 24	38 35	46 35	37 33	40 31	37 25	32 20	32 24	30 27	33 28	46 28	45 26	28 20	30 20	34 4	15 5	12 5	28.3 17.5	0700 EST
LAVALE MULLINS**	36 22	23 17	20 6	24 16	27 19	28 22	30 23	24 16	26 17	27 9	29 14	31 21	35 23	50 19	46 30	52 35	39 34	46 37	40 32	40 30	38 24	35 31	39 32	39 32	49 34	36 27	34 25	39 18	18 12	19 14	33 5	33.9 22.5	2400 EST
PASADENA 2 N HANSON	43 29	30 19	28 16	34 23	35 24	37 28	39 22	31 20	34 20	32 18	37 11	34 26	41 22	49 20	59 23	52 28	44 34	56 32	59 29	46 32	43 25	43 30	43 26	53 28	63 41	45 31	45 24	51 24	27 18	22 16	32 14	41.5 24.3	2400 EST
LOTHIAN JUG BAY	37 32	45 26	30 15	28 16	35 26	36 28	M M	M M	30 22	38 19	32 15	40 13	34 26	40 20	43 19	52 21	59 24	45 37	56 32	59 25	43 34	44 34	44 23	47 28	61 37	66 32	54 25	45 26	55 19	27 20	23 7	43.4 24.1	0900 EST
BALTIMORE NWS BWI APT	43 28	29 19	29 16	34 21	36 24	37 27	38 24	29 20	33 20	31 16	36 16	35 26	40 22	50 21	57 24	50 29	47 35	56 33	58 28	44 32	41 24	44 31	42 28	53 30	66 42	44 32	44 25	51 23	25 17	21 16	29 8	40.9 24.4	2400 EST
LAUREL 2 E STOUDT	41 29	29 19	27 16	32 21	34 25	36 28	38 26	30 21	33 18	30 19	36 27	34 24	41 22	51 22	55 27	50 32	45 39	54 37	57 31	42 34	42 25	42 33	46 28	54 32	63 45	44 33	49 27	26 25	21 18	30 12	40.5 26.1	2400 EST	
OWINGS MILLS 2SE SHARROW	38 23	29 18	23 12	30 18	31 21	33 24	34 23	30 19	28 18	34 13	32 14	37 21	46 22	51 26	48 30	41 33	51 34	51 29	53 23	40 30	40 26	40 30	41 26	46 29	58 40	43 30	47 25	47 19	25 13	19 12	32 7	37.7 22.6	2400 EST
BALTIMORE 2SE MANFRE	44 30	30 21	29 19	35 24	37 26	38 30	39 29	30 24	35 24	33 21	38 21	37 28	42 28	49 28	58 36	54 38	46 39	57 40	59 36	44 37	43 33	44 33	44 34	54 35	68 46	44 35	46 31	54 25	27 21	23 17	32 16	42.4 29.2	2400 EST
BALT INNER HARBOR MD SCIENCE CENTER	44 30	30 20	28 18	33 24	35 30	37 30	38 24	31 24	33 20	32 21	38 28	35 28	42 28	48 29	54 41	46 39	57 41	59 36	44 37	43 33	43 33	42 34	54 35	68 46	47 35	45 31	52 25	26 20	23 17	32 16	41.8 29.1	2400 EST	
MANCHESTER 1SW CLOSE	39 23	24 14	21 11	27 17	31 19	31 21	34 22	27 16	28 16	27 11	34 11	32 18	39 18	50 25	52 35	42 36	51 34	51 34	51 32	39 24	40 24	39 30	40 27	42 28	50 39	55 25	39 21	38 17	43 10	15 11	29 8	36.8 21.8	2300 EST
WESTMINSTER 4 SSE HARTSOCK	40 30	29 17	23 12	29 18	31 21	33 24	34 23	27 20	28 17	27 11	34 20	31 20	38 20	47 20	52 27	52 36	43 31	52 35	51 29	45 29	39 21	41 30	42 27	48 28	59 48	45 31	38 24	46 26	32 14	19 8	25 23	38.1 23.2	1900 EST
MILLERS 4NE MILLER	40 30	32 19	22 13	27 19	30 22	31 24	33 19	26 18	28 13	32 12	32 21	38 21	49 22	51 31	51 36	41 34	52 34	50 30	41 26	40 20	40 31	44 24	44 29	58 44	48 32	44 22	38 26	44 12	18 13	27 10	37.6 23.5	1800 EST	
BRYANS ROAD 2 ESE BRUMBACK	46 28	28 19	28 16	33 21	35 26	38 28	39 27	31 21	35 21	31 18	36 14	35 27	44 24	52 21	62 26	52 29	44 40	56 36	61 32	42 35	44 32	42 35	47 29	57 34	66 43	47 35	46 27	56 27	27 20	23 17	34 13	42.5 26.4	2400 EST
EMMITSBURG 2 SE GLASS	33 26	41 23	26 15	24 15	29 23	32 23	35 26	35 23	29 20	32 14	29 14	35 14	33 24	39 22	52 20	52 29	52 32	40 35	51 30	48 30	42 22	41 22	41 22	43 29	60 32	61 35	M 28	42 28	47 15	24 15	19 8	38.9 23.1	0700 EST

**ACON MD / DE / DC
JANUARY 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	38	24	10	10	14	14	20	20	14	18	15	18	20	20	40	40	46	50	48	40	38	34	30	31	48	44	22	30	30	20	8	27.5	0800
HARVEY	24	8	-4	2	7	7	12	4	6	4	5	6	8	17	20	38	40	36	33	20	20	20	20	23	31	22	12	20	0	2	4	15.1	EST
LAUREL JHU / APL	40	26	24	30	31	33	35	27	30	27	36	32	38	50	55	50	42	53	56	40	39	40	43	52	63	43	43	48	22	19	30	38.6	2400
GIANNOLA	25	15	13	19	21	25	25	19	20	15	18	24	23	27	34	36	37	31	32	25	31	29	31	42	31	27	21	15	13	11	24.5	EST	
NORBECK 1 SE	37	28	25	32	33	34	35	30	33	29	35	33	38	48	53	49	43	52	55	42	39	40	44	52	61	42	41	48	26	20	31	39.0	2200
BERGER	28	18	14	20	24	26	26	20	20	14	17	24	24	21	26	31	37	34	30	33	24	33	27	32	44	33	28	26	16	15	10	25.0	EST
POTOMAC 4N	40	28	25	30	32	35	34	30	32	28	34	32	38	48	52	48	43	51	55	43	41	39	44	51	63	46	42	48	29	22	30	39.1	2100
COHEN	28	20	15	21	25	27	28	23	22	17	18	26	26	22	25	29	35	34	29	34	25	33	28	34	46	34	29	27	18	16	9	25.9	EST
OLNEY 1 S	39	26	25	32	33	35	36	32	35	30	35	32	38	49	54	49	42	52	56	42	40	40	44	52	61	42	42	49	25	19	30	39.2	2400
GIANNOLA	26	17	14	19	23	26	25	19	19	14	15	23	23	22	26	30	26	33	30	30	23	30	26	31	42	31	26	24	15	15	6	23.5	EST
CLARKSBURG 2ENE	40	26	24	30	33	35	35	26	32	28	36	32	38	50	54	48	45	52	56	41	42	38	45	54	61	41	42	49	23	18	29	38.8	2400
HOLDEN	25	15	12	19	22	25	25	19	20	14	16	23	25	30	34	34	36	37	36	30	21	31	28	31	41	29	26	20	14	14	7	24.5	EST
MONTGOMERY VILLAGE	41	28	25	33	33	35	35	30	34	28	35	34	38	47	52	48	43	51	55	42	40	39	44	54	62	44	42	48	25	21	29	39.2	2400
ROTH 1SW	27	17	15	21	25	27	27	22	22	17	18	26	26	23	26	31	38	34	30	31	25	34	29	33	44	32	29	24	18	17	10	25.8	EST
GLENMONT 1NNE	42	28	28	34	35	36	38	31	34	32	40	35	41	53	55	50	44	54	59	44	43	41	48	55	64	44	44	52	26	22	35	41.5	2400
ROSSEN	28	18	15	22	25	27	27	21	20	16	17	26	24	20	24	28	34	31	28	31	24	31	26	31	44	32	28	24	18	15	7	24.6	EST
BETHESDA	40	27	26	31	33	36	35	29	33	29	35	32	40	50	53	50	43	52	57	43	42	40	45	55	64	44	43	50	25	20	32	39.7	2400
SCAFIDE	27	17	14	21	24	26	27	20	21	16	18	26	24	24	27	31	38	35	33	34	27	34	29	34	43	32	29	24	17	15	11	25.7	EST
GAITHERSBURG 2WNW	41	27	27	32	34	36	35	29	34	30	36	33	40	50	54	48	42	53	58	43	42	40	46	55	62	44	44	49	25	21	32	39.9	2400
SHAW	27	17	14	21	25	27	27	21	23	17	17	25	26	22	24	29	35	32	29	31	25	33	28	34	44	32	28	24	18	16	8.5	25.1	EST
FOREST GLEN	43	30	28	35	37	39	40	32	39	34	40	36	42	53	57	51	44	57	61	48	45	46	49	56	66	44	45	54	27	21	36	43.1	2400
TERRY	27	18	15	21	25	27	27	21	21	17	18	26	25	24	26	31	39	34	32	33	25	33	28	33	44	32	29	24	18	16	10	25.8	EST
OXON HILL	43	28	27	32	34	37	38	31	35	31	36	34	44	52	57	51	44	57	59	43	43	44	46	57	66	46	46	53	27	22	34	41.8	2300
SMITH	28	18	15	22	26	28	28	21	21	18	19	28	26	23	26	30	39	35	33	33	28	35	31	34	45	34	29	27	19	16	14	26.6	EST
HOLLYWOOD	45	31	31	36	38	39	41	33	36	32	37	36	44	51	62	53	46	57	61	42	43	44	46	57	66	48	45	58	30	25	34	43.5	2359
ABELL	29	20	17	21	24	29	24	22	19	17	13	27	22	24	26	28	39	40	30	36	34	29	28	33	42	35	27	30	21	17	14	26.4	EST
RIDGE	41	30	31	36	38	41	38	33	36	26	34	36	43	43	59	51	46	56	60	43	42	39	42	53	63	48	44	57	30	25	32	41.8	2400
ZYLA	29	21	18	23	27	27	25	22	22	20	16	27	23	24	32	40	37	39	38	36	35	34	32	36	43	35	29	30	22	17	14	28.2	EST
SMITHSBURG 1.5 SW	39	25	22	28	30	32	33	26	32	28	34	32	37	51	50	53	41	50	46	42	39	45	55	61	40	40	44	23	19	32	37.8	2400	
HUTTO	25	15	13	20	22	26	26	19	19	11	15	22	23	17	23	32	32	29	28	26	20	32	25	34	40	29	28	18	14	16	1	22.6	EST
HAGERSTOWN 1E	39	25	23	28	30	32	33	26	31	27	32	31	38	49	51	53	41	52	46	41	41	40	44	54	60	41	42	47	24	19	32	37.8	2400
KEEFER	25	15	13	20	22	26	26	20	20	13	13	23	21	18	24	35	35	31	30	26	21	33	27	34	41	30	28	19	15	16	9	23.5	EST
SMITHSBURG 2 NE	38	25	21	27	29	31	32	26	30	26	32	31	37	51	48	51	48	49	45	39	40	40	44	57	61	35	39	43	21	18	29	36.9	2400
VAUGHN	18	6	4	14	16	21	21	13	15	10	9	18	20	21	26	35	33	32	32	27	25	28	23	31	34	29	24	10	7	9	7	19.9	EST
SALISBURY	42	31	28	32	34	36	38	33	31	29	35	34	40	52	57	52	50	53	55	42	45	45	43	59	61	49	42	54	29	24	27	41.4	2400
NWS WICOMICO CO APT	31	21	18	23	24	29	25	23	18	16	14	27	25	21	24	25	36	31	29	34	31	29	26	31	44	33	29	29	20	17	7	25.5	EST
WASH NATIONAL	44	30	28	34	37	39	39	32	36	32	36	35	44	50	57	52	45	56	60	44	44	44	47	57	68	47	45	54	27	23	33	42.5	2400
NWS ASOS	29	20	16	23	27	29	29	23	23	19	20	29	27	26	28	31	37	37	33	35	31	36	31	36	46	35	31	26	20	18	16	28.0	EST
WASH DULLES	43	28	26	32	35	37	37	32	36	31	37	34	44	53	55	52	44	55	60	43	43	39	47	57	65	44	44	52	26	21	33	41.5	2400
NWS ASOS	28	18	14	21	27	28	28	22	22	19	13	27	23	19	21	27	35	31	28	34	28	34	28	34	44	33	26	25	18	17	11	25.3	EST
STERLING 4 N	40	28	26	32	35	36	37	30	37	32	37	34	45	53	54	51	43	54	59	43	43	39	46	42	65	45	45	52	27	23	35	40.9	2400
SHAFFER	28	19	14	21	25	29	27	22	23	18	17	27	26	21	24	29	35	38	30	35	26	34	29	35	45	36	30	27	18	18	13	26.4	EST
DAVIS 3 SE WV	35	25	5	4	10	13	14	23	6	14	16	20	14	21	34	35	44	37	34	35	31	31	35	39	48	42	22	26	26	11	13	24.6	0700
LESHER	25	5	-4	-5	4	8	10	2	0	3	3	7	11	12	17	29	34	30	30	26	22	22	29	29	39	20	14	15	-1	0	-2	14.0	EST

ACON MD / DE / DC
JANUARY 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	0.01 T			T		T		0.09 1.4			0.02 0.3	T					0.80	0.01						0.05	1.77	T				0.15 4.3	2.90 6.1	2400 EST		
MIDDLETOWN 6 N LEGATES	0.08							0.06									0.87	0.02						0.07	1.45					0.10	2.65 0.0	2400 EST		
WILMINGTON, DE NWS NEW CASTLE CO APT	0.02 T			T		0.01 0.1		0.05 1.4			0.02 0.3	T					0.77	0.01						0.07	1.37	T				0.20 4.3	2.52 6.1	2400 EST		
NEWARK AG FARM, DE U OF DE DEOS	0.02							0.02									0.87	0.01						0.06	1.68					0.01	2.67	2400 EST		
TOWNSEND 4 W, DE U of D REC DEOS	0.02							0.11									1.08	0.01						0.04	1.58					0.09	2.93	2400 EST		
GEORGETOWN, DE NWS SUSSEX CO APT				T		T		0.10				T	T				1.60			T	0.03	0.08			1.38	0.04		T		0.35	0.01	3.59 -	2400 EST	
GEORGETOWN, DE U of D REC DEOS																	1.59				0.08	0.05			1.35	0.05				0.02	3.14	2400 EST		
HARBESON 8 S, DE U of D REC DEOS								0.07									1.51				0.02	0.11			1.16	0.04				0.10	3.01	2400 EST		
FROSTBURG LATTA	0.04 0.2	0.06 2.3	T 0.3	T 0.4	T 1.2	T 1.0	T 0.3	0.10 1.9	T 0.8			T 0.2					0.02	0.80 T		T			0.52 0.8	0.01 T	1.17	0.03 0.5	0.02 0.6	T T	T 0.1		0.10 3.4	2.87 14.0	0700 EST	
LAVALE MULLINS**	T 0.1	T T	T T	T T	T T	T T	0.06 1.5	T T				T T					0.81		T		> >	0.61 2.5		0.19	1.06	T 0.1				0.09 3.0	2.82 7.2	2400 EST		
PASADENA 2N HANSON	0.04	0.01						0.07 2.0	0.01								1.03	0.03	0.01	0.05	0.06	0.08			0.20	0.71				0.22 5.5	2.52 7.5	2400 EST		
LOTHIAN JUG BAY								0.09 2.3					T				T	0.81		0.02		0.15			0.62	0.10				T 0.50 7.5	2.29 9.8	0900 EST		
BWI NWS ASOS	0.03				T T	T T	0.01 0.1	0.07 1.7									0.75			0.07 0.2	0.07 T	0.06		0.41	0.53	T T				0.24 5.5	2.24 7.5	2400 EST		
LAUREL 2 E STOUDT	T				T T		0.01 0.1	0.09 1.6									0.69			0.02 T	0.12 T	0.06 T		0.27	0.44					0.33 6.0	2.03 7.7	2400 EST		
OWINGS MILLS 2SE SHARROW	0.04 T	T T	T T	T T	T T	T T	0.01 0.1	0.07 1.1						T T			0.90				T T	0.01 T	0.09 T		0.45	0.83	T T			0.31 7.1	2.71 8.3	2400 EST		
BALTIMORE 2SE MANFRE	0.05						0.01 T	0.06 1.1									0.81				0.05	0.06			0.20	0.67	t			0.23 5.5	2.14 6.6	2400 EST		
BALT INNER HARBOR MD SCIENCE CENTER	0.04							0.07									0.78				0.02	0.05			0.28	0.59				0.22	2.05 -	2400 EST		
MANCHESTER 1SW CLOSE	0.03 T			T T	T 0.2	0.02 1.0	0.01 0.3	0.08 1.6				T T					0.85	T					T T		0.44	0.85	T T			0.15 3.8	2.43 6.9	2300 EST		
WESTMINSTER 4 SSE HARTSOCK	0.13				T T	T 0.2		0.09 1.5									0.90	0.05				0.05		0.03	1.32					0.16 5.0	2.73 6.7	1900 EST		
MILLERS 4NE MILLER	0.14 T			T T	T T	0.03 0.4		0.08 1.5									0.76	0.11				T T		0.02 T		0.08	1.46	T T			0.17 2.8	T T	2.85 4.7	1800 EST
BRYANS ROAD 2 ESE BRUMBACK						T T		0.07 1.5			0.01 0.2						0.77	0.01		0.01	0.01	0.29 T		T	0.53	0.01				0.47 7.4	0.01 0.1	2.19 9.2	2000 EST	
EMMITSBURG 2 SE GLASS	T							0.10 2.0									T	0.92					0.05	0.10		0.65	0.75			0.30 2.5	2.87 4.5	0700 EST		

**ACON MD / DE / DC
JANUARY 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	0.11 0.5	0.20 6.0	0.10 2.0	0.05 2.0	0.10 3.0	0.20 5.0	0.12 1.0	0.30 6.0	0.02 1.0	T T	T T	0.02 2.0	T			0.35	0.25				1.02 1.0			1.09	0.22 2.0	0.15 2.0	0.10 2.0		0.05 2.0	0.15 3.0	4.60 40.5	0800 EST	
LAUREL JHU / APL GIANNOLA							0.01 >	0.09 2.0								0.66				0.07 0.1	0.09 T	0.07		0.20	0.50 T	T			0.30 6.0		1.99 8.1	2400 EST	
NORBECK 1 SE BERGER	0.01						T T	0.12 2.4								0.68				0.03 T	0.05 0.1	0.10 T		0.08	0.52 T	T			0.37 6.5	0.01 0.1	1.97 9.1	2200 EST	
POTOMAC 4N COHEN					T T	T T		0.09 2.2								0.68				0.06 T	0.02 T	0.17		0.10	0.50 0.02	T			0.31 5.8	T T	1.95 8.0	2100 EST	
OLNEY 1 S GIANNOLA					T T		> >	0.11 2.3								0.63				0.05 0.1	> T	0.15 T		>	0.62 T	T			0.31 6.0		1.87 8.4	2400 EST	
CLARKSBURG 2ENE HOLDEN		T T		T T	T T	T T	0.01 0.3	0.07 1.4			T T					0.87		T		T T	0.16 0.1	0.16 0.2		0.19	0.56 T	T			0.39 7.5		2.41 9.5	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW								0.12								0.74				0.04 T	0.08 T	0.15		0.14	0.34 T	0.02			0.25		1.88	2400 EST	
GLENMONT 1NNE ROSSEN	T				T T		0.01 0.2	0.09 2.1								0.64				0.04 0.1	0.11 T	0.01 T		0.15	0.45 0.01	T			0.36 6.5		1.87 8.9	2400 EST	
BETHESDA SCAFIDE	0.11												0.01	0.01		0.65				0.02 T	0.09 T	0.05		0.18	0.34 T	T			0.05		1.51 -	2400 EST	
GAITHERSBURG 2WNW SHAW			T T				0.03 0.4	0.06 1.2			T T					0.72	T	T		0.11 0.3	0.12 0.2	0.11 0.2		0.21	0.28 T	T			0.33 5.8	T T	1.97 7.9	2400 EST	
FOREST GLEN TERRY					T T		0.01 0.2	0.07 2.0			T T					0.70				0.02 T	0.11 T	0.02		0.14	0.50 T	T			0.35 5.9		1.92 8.1	2400 EST	
OXON HILL SMITH					T T	T T	T T	1.5	0.06							0.73		0.01		0.07 0.1	0.11 T	0.10		0.06	0.38				0.33 6.4	0.02 0.4	1.87 8.4	2300 EST	
HOLLYWOOD ABELL					T T	T T	0.01 0.2	0.12 1.8			0.20 0.2					0.94				T	0.13	0.03		0.04	1.02	0.03			0.97 11.4	0.02 0.4	3.51 14.0	2359 EST	
RIDGE ZYLA					T T	T T		0.14 3.0								1.49				0.04 T	0.22	0.02			1.08				1.04 14.0	0.09 1.2	4.12 18.2	2400 EST	
SMITHSBURG 1.5 SW HUTTO	T T			T T			0.01 0.5	0.02 1.0								0.84					0.08 0.1	0.12 0.1		0.39	2.51 T	0.01 T			0.04 2.5		4.02 4.2	2400 EST	
HAGERSTOWN 1E KEEFER	T T	T T		T T	T T		0.02 0.4	0.04 0.9			T T	T T				0.94		T			0.10 0.1	0.09		0.30	2.20 T	T			0.09 2.6		3.78 4.0	2400 EST	
SMITHSBURG 2 NE VAUGHN	0.11															0.69					0.01 0.1	0.14 1.5	0.06	0.68	2.11 0.1	0.01 0.1			0.13 2.2		3.94 3.9	2400 EST	
SALISBURY NWS WICOMICO CO APT					T			0.14								1.71					0.10	0.05			1.58	0.15			0.53	0.08	4.34 M	2400 EST	
WASH NATIONAL NWS ASOS					T T	T T	T T	0.03 1.0								0.68		T		0.03 T	0.08 T	0.03 T		0.10	0.28	T			0.33 6.4	T T	1.56 7.4	2400 EST	
WASH DULLES NWS ASOS					T T	0.01 0.2	0.05 1.0									0.63				0.06 T	0.17 T	0.20 T		0.18	0.44				0.27 4.5		2.01 5.7	2400 EST	
STERLING 4 N SHAFFER					T T	0.02 0.2	0.18 1.8				T T					0.79				0.07 T	> >	0.53 T		>	0.57	0.02 T			0.40 5.5		2.58 7.5	2400 EST	
DAVIS 3 SE WV LESHAR	0.27 1.1	0.29 8.1	0.16 2.1	0.21 2.3	0.20 5.5	0.27 9.4	0.25 5.1	0.20 6.2	0.20 6.3	0.13 3.6	T T	0.08 1.6	0.15 3.8	T T		0.08 T	0.02	0.77	T	0.11 0.2		0.64 0.2	0.04		0.99	0.58 2.1	0.17 2.4	0.10 1.0	0.14 1.3	0.04 0.6	0.22 5.8	6.31 68.7	0700 EST