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

COLD - NUMEROUS DAYS WITH SNOW BUT LITTLE ACCUMULATION

Temperatures this month were colder than normal for the first January since 2004. Precipitation was slightly below normal while snowfall was significantly below normal.

The New Year began sunny, windy, and cold. Maximum temperatures were in the lower 30's and minimums in the teens to lower twenties. From the 2nd to the 5th seasonal temperatures occurred.

The only major storm of the month occurred on the 6th and 7th. Rainfall amounts ranged from less than an inch in Southern Delaware and on the Lower Eastern Shore of Maryland to two inches along portions of the I-95 corridor. **Joe Terry of Forest Glen** reported 2.19", **Dan Hanson of Pasadena 2 N** 2.11", **Jeff Stoudt of Laurel 2 E** 2.10", **Stan Rossen of Glenmont 1 NNE** 2.08", **Ron Berger of Norbeck 1 S** 2.01" and **Gary Gallaher of Bear 2 SW DE** 2.00". Some freezing rain and glaze was reported west of I-95.

From the 8th to the 14th temperatures were slightly below normal. Light rain fell on the 10 & 11th.

The coldest air in at least 5 years began to pour into the region on the 15th. Single digit minimum temperatures occurred on the 16th and 17th. Maximum temperatures failed to rise above 20° across the entire region on the 16th but failed to rise above zero in **Davis 3 SE WV**. On the 17th below zero readings were observed at scattered locations from Maryland's Lower Eastern shore into Central Maryland. From Carroll County westwards many locations reported sub-zero readings. The following observers reported the coldest sub-zero readings: **Dave Leshner of Davis 3 SE WV -15°**, **Rebecca Harvey of Eagle Rock -14°**, **Greg Latta of Frostburg -9°**, **Max Hutto of Smithsburg 1.5 SW -4°**, **Ralph Hartsock of Westminster 4 SSE -3°**, **Bobby Miller of Millers 4 NE** and **Herb Close of Manchester -2°**, **Jug Bay Wetlands at Lothian -1°**, and **Greg Keefer of Hagerstown 1E -1°**.

The cold air moderated some but remained for the remainder of the month. There were three brief periods when the temperatures warmed: the 18th when temperatures rose into the mid 30's, the 22nd to 24th when maximums were in the 40's and 50's and the 28th to 30th where temperatures rose to the upper 30's to the lower 40's except in Sussex County Delaware and Maryland's Lower Eastern shore where temperatures rose to 60's on the 28th.

Brief intense snow showers on the 19th caused a 42 vehicle accident with two fatalities on I-70's South Mountain. Nearby ACON observers **Max Hutto of Smithsburg 1.5 SW**, **Jim Vaughn Smithsburg 2 NE** and **Greg Keefer of Hagerstown 1 E** each reported 2.0 to 2.2 inches of snow.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Georgetown 5 SW	61
Harbeson 8 S	60
Jug Bay Wetlands	58

MINIMUM TEMPERATURE

Davis 3 SE WV	-15
Eagle Rock	-14
Frostburg	-9

WARMEST AVG. TEMP.

Ridge	33.5
Hollywood	32.3
Baltimore 2 SE	31.8

COLDEST AVG. TEMP.

Davis 3 SE WV	19.4
Frostburg	21.1
Eagle Rock	21.2

MAXIMUM PRECIPITATION

Davis 3 SE WV	9.94
Eagle Rock	5.01
Frostburg	3.32

MINIMUM PRECIPITATION

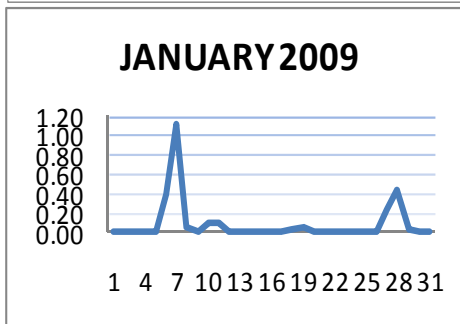
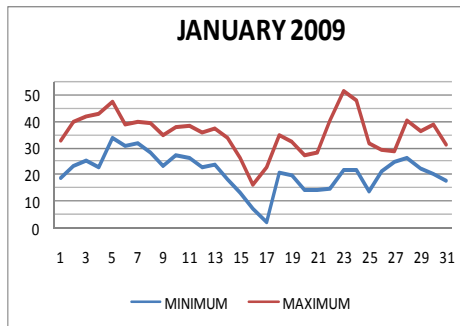
Emmitsburg 2 SE	1.67
Ridge	1.75

MAXIMUM SNOWFALL

Davis 3 SE WV	64.2
Eagle Rock	35.8

MINIMUM SNOWFALL

Emmitsburg 2 SE	1.0
Pasadena 2 N	1.5



ACON MD/DE Network

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

The heaviest and first significant snowfall of the season occurred on the 26th and 27th. 1½ to 2 inches fell across the majority of the region before turning to sleet and freezing rain and ended as rain. The freezing rain put a hard crust on the snow cover. Liquid amounts for this event averaged ½ to ¾ inch.

OBSERVER COMMENTS FOR JANUARY 2009

Gary Gallaher of Bear 2 SW, DE

Constant cold, numerous flurries. Only one snow event but it turned into freezing rain.

15th-17th - Temps remained below 20 degrees for 50 hours.

28th - 1/4" glaze on top of nearly 2" of snow put a hard crust on the snow cover.

Jeff Stoudt of Laurel 2 E

6th-7th - PL (sleet) ~ 0100, then periods of RA evening with some FR on the 6th and periods of rain till mid evening of the 7th.

Marty Sharrow of Owings Mills

1st - Sunny, brisk, chilly.

7th - Morning ice, afternoon rain, some, raw.

16th - AM flurries, partly cloudy, windy, and frigid.

27th - Snow to wintry mix and cold.

Joe Manfre of Baltimore 2SE

16th - Partly cloudy, very cold, breezy in the afternoon.

19th - Occasional light snow

24th - Cloudy, mild in AM. A few snow showers, turn colder and windy in the afternoon.

Ralph Hartsock of Westminster 4 SSE

3rd - Sunny and chilly.

7th - Freezing rain to rain, moderate to heavy, some tree damage.

19th - Light snow on and off, convective type showers.

24th - Sunny and warmer.

28th - Snow > sleet & freezing rain then rain. High winds late.

Bobby Miller of Millers 4 NE

7th - Up to 1/4" glaze at 7 AM.

16th - Clear, near 100% sunshine. PM max 13°. 2°@1159PM

23rd - Warmest since 12/28. Increasing mid afternoon clouds.

28th - PL, 1/8" glaze early then light rain and wind.

Ray Muller of Westminster City

17th - Very cold as temp slipped to 1° at 0600.

23rd - Sunny, pleasant day as temp climbs to 55 by 1430.

Marty Brumback of Bryans Road 2 ESE

27th - First measurable snow of the season.

Eric Glass of Emmitsburg 2 SE

16th - Clear, sunny, windy, very cold.

19th - Lots of hazy clouds.

Rebecca Harvey of Eagle Rock

11th, 28th & 30th - Glaze.

31st - 14" snow on the ground—maximum for the month.

Rich Giannola of JHU/APL

7th - 29.16" Minimum barometric pressure for the month.

16th - 30.60" Maximum barometric pressure for the month.

19th - Light snow during the day.

28th - -FZRA and -FZDZ in morning to DZ and RA in afternoon. PWG 40 mph west at 6:52 PM.

Rob Cohen of Potomac 4 N

16th - 16° Coldest maximum temperature since 2/14/1996.

17th - 3° Coldest minimum temperature since 1996.

28th - 1/8" to 1/4" glaze.

Richard Holden of Clarksburg 2 ENE

6th, 7th, 11th, 12th - Glaze

Rich Giannola of Olney 1 S

6th & 7th - 6th- Cold RA and DR throughout day with temperature dropping during the day and hovering ~32° for the evening. 7th - RA and FZRA in the morning. Trees glazed over but roads were ok. Nearby transformers blowing in evenings of the 6th & 7th.

27th-28th - Light snow began before dawn of the 27th. PL began by 7:55 PM and changed to FFRZA and FZDL overnight into the 28th. FZDL in morning becoming DZ and RA in the afternoon of the 28th.

Stan Rossen of Glenmont 1NNE

17th - Coldest minimum temp since -5 on 2/6/1996.

Kevin Shaw of Gaithersburg 2 WNW

3rd - Sunny, seasonal temperatures.

15th - Cloudy, overnight flurries.

16th - Sunny, very cold. Below zero wind chills.

20th - Partly cloudy, cold, windy at times for Obama Inauguration day.

Joe Terry of Forest Glen

6th - Rain changed to freezing rain by early evening and accumulated lightly on most above ground objects but changed back to rain just before midnight.

27th - First 1"+ snowfall of the season, the latest date for the first inch since the winter of 1994-1995.

Brian Smith of Oxon Hill

27th - -SN 0600-1400, 0.17" 2.4" snow. Wintry mix 1600-2300, 0.2" more snow.

Floyd Abell of Hollywood

27th - Snowy morning, afternoon flurries, evening freezing rain.

John Zyla of Ridge

17th - 9° Coldest since 2003 when it was 8°.

28th - Heavy fog 7 AM to 5 PM, then rain.

Max Hutto of Smithsburg 1.5 SW

17th - Extremely cold, low of -4, windy, PM flurries.

23rd - Mostly sunny, warmer, windy.

24th - High at midnight. AM snow squall, colder throughout day, windy.

Greg Keefer of Hagerstown 1 E

15th - Light snow, 0.8", 2 AM—5 AM.

19th - 2" of snow fell between 10 AM and 2 PM. Falling evening temperatures into the teens.

Jim Vaughn of Smithsburg 2 NE

This was the first month on record with no daily or monthly weather records set or tied.

15th—31st - At least a trace of snow on the ground.

Lance Shaffer of Sterling 4 N VA

28th - Thick ice to chop from my truck this morning.

Dave Leshner of Davis 3 SE WV

21st - 16" snow cover - Maximum for the month.

28th - 2.8" max water equivalent of snow cover.

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 2009 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	35.7	20.4	28.1	54	23	2	17	0	11	29	41	NNW	14	2.85	1.74	7	2.85	8	1	2.9	1.9	27	4.1	2400
NWS Wilmington	New Castle Co. Apt.	35.4	21.5	28.5	48	23	5	17	0	11	29	43	W	28	2.90	1.63	7	2.90	8	1	2.9	1.9	27	4.1	2400
UofDE AG FARM DEOS***	Newark	35.1	20.6	27.9	55	23	3	17	0	11	30	23		30	2.56	1.48	7	2.56	8	1					2400
U of D REC DEOS***	Townsend 4 W	34.5	21.0	27.8	54	23	4	17	0	11	30	32		7	2.62	1.75	7	2.62	6	1					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	40.2	23.4	31.8	61	28	4	17	0	7	28	40	WSW	28	2.11	0.52	28	2.11	10	0					2400
U of D REC DEOS***	Georgetown 5 SW	39.2	22.6	30.9	61	28	2	17	0	9	28	36		28	2.32	0.81	28	2.32	8	0					2400
U of D REC DEOS***	Harbeson 8 S	38.6	21.8	30.2	60	28	2	17	0	9	28	32		28	2.24	0.85	28	2.24	9	0					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	28.7	13.5	21.1	50	5	-9	17	0	19	31				3.32	0.88	7	3.32	15	0	17.2	3.4	15	36.8	0700
Mullins, Nate**	LaVale	31.5	19.5	25.5	56	23	-8	17	0	20	31				2.78	0.94	7	2.78	10	0	10.1	4.5	27	17.5	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	37.2	21.4	29.3	52	23	2	17	0	9	30	33	WNW	14	2.92	1.50	7	2.92	7	1	1.5	1.5	27	1.5	2400
Jug Bay Wetlands	Lothian	41.1	21.3	31.2	58	24	-1	17	0	2	25				2.91	1.19	7	2.91	6	1	1.8	1.8	27	1.8	0900
NWS Baltimore	BWI Airport	37.1	21.4	29.3	55	23	2	17	0	9	30	36	WNW+	8+	2.73	1.37	7	2.73	7	1	2.1	1.8	27	2.1	2400
Stoudt, Jeff	Laurel 2 E	37.2	22.6	29.9	56	23	3	17	0	9	30				3.04	1.42	7	3.04	6	1	1.6	1.6	27	1.6	2400
<i>Baltimore, Maryland</i>																									
Sharrow, Marty	Owings Mills 2 SE	34.9	19.8	27.4	52	23	2	17	0	10	31				2.81	1.42	7	2.81	7	1	4.3	2.0	19+	5.3	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	38.1	25.5	31.8	53	23	8	17	0	9	28				2.67	1.29	7	2.67	7	1	1.7	1.5	27	1.7	1800
Maryland Science Ctr	Baltimore Inner Harbor	37.4	25.4	31.4	52	24	8	17	0	9	29				2.65	1.36	7	2.65	7	1					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	31.7	17.5	24.6	49	23	-2	17	0	18	30				2.20	0.95	7	2.20	7	0	3.9	1.6	27	4.9	2300
Hartsock, Ralph	Westminster 4 SSE	34.1	18.9	26.5	54	23	-3	17	0	9	30	46		28	2.48	1.31	7	2.48	6	1	3.8	1.1	27	5.0	1900
Miller, Bobby	Millers 4 NE	32.7	18.7	25.7	53	23	-2	17	0	13	30	43	W	8	2.36	1.29	7	2.36	9	1	4.2	1.5	19	7.1	1800
Muller, Ray	Westminster City				56		1					43	NW	8	2.47	1.30	7	2.47	10	1	3.9	1.7	27	5.2	1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	38.8	23.7	31.3	56	23	3	17	0	7	29				2.54	1.06	7	2.54	7	1	2.5	2.5	27	2.5	2400
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	34.6	19.4	27.0	54	24	1	17	0	11	30				1.67	1.09	8	1.67	5	1	1.0	1.0	28	1.5	0630
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock	30.5	11.8	21.2	52	5	-14	17	0	20	31				5.01	1.00	7+	5.01	20	2	35.8	6.0	15	84.3	0800

ACON MD / DE / DC
JANUARY 2009 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	30	38	40	44	47	40	41	42	35	37	35	36	40	36	26	18	22	38	31	28	29	41	54	44	30	31	29	41	34	40	29	35.7	2400	
WILMINGTON , DE NWS NEW CASTLE CO APT	14	20	23	18	36	32	33	29	23	28	22	21	18	20	15	7	2	22	19	17	16	18	19	23	12	22	26	25	18	16	19	20.4	2400	
NEWARK AG FARM, DE U OF DE DEOS	30	38	39	44	47	39	40	41	35	35	34	36	40	35	24	17	21	38	30	27	28	42	55	45	30	29	29	41	34	39	28	35.1	2400	
TOWNSEND 4 W, DE U of D REC DEOS	17	21	25	21	36	31	32	28	25	28	23	21	20	19	13	7	3	21	19	16	16	15	20	21	15	21	25	24	21	17	19	20.6	2400	
GEORGETOWN, DE NWS SUSSEX CO APT	29	37	39	40	46	38	41	39	34	40	35	35	39	34	25	17	22	36	30	27	27	40	54	43	29	29	27	40	33	37	27	34.5	2400	
GEORGETOWN, DE U of D REC DEOS	18	22	25	20	34	30	32	29	26	28	24	24	25	19	15	8	4	21	18	16	16	19	22	14	22	25	25	20	17	18	21.0	2400		
GEORGETOWN, DE U of D REC DEOS	33	39	44	47	52	43	54	46	38	54	52	39	42	36	33	20	25	40	35	31	30	44	53	48	34	31	32	61	38	42	31	40.2	2400	
HARBESON 8 S, DE U of D REC DEOS	18	18	27	24	38	35	39	32	24	27	29	25	23	24	17	11	4	25	21	20	16	13	22	26	15	27	28	32	24	22	20	23.4	2400	
GEORGETOWN, DE U of D REC DEOS	32	38	43	47	50	42	54	45	37	53	51	38	40	35	31	19	25	39	36	30	29	42	52	47	34	30	31	61	36	41	30	39.2	2400	
HARBESON 8 S, DE U of D REC DEOS	19	18	25	22	39	34	38	30	25	25	27	25	23	23	15	8	2	25	22	19	17	12	23	24	14	26	27	31	24	21	21	22.6	2400	
FROSTBURG LATTA	31	38	42	46	50	43	52	45	36	54	50	37	39	35	32	18	25	39	34	29	28	42	52	46	33	29	31	60	37	42	29	38.6	2400	
FROSTBURG LATTA	16	16	23	21	36	34	37	30	24	25	27	23	21	23	15	9	2	25	21	19	15	11	21	25	13	26	26	31	22	19	19	21.8	2400	
LAVALE MULLINS**	33	35	38	37	50	34	30	35	24	25	36	25	26	35	22	11	3	17	32	24	18	21	37	50	25	24	24	27	37	29	26	28.7	0700	
PASADENA 2 N HANSON	12	11	24	22	27	26	24	22	16	16	23	18	17	7	7	-8	-9	-8	15	8	7	7	21	25	7	6	15	18	18	18	6	13.5	EST	
LAVALE MULLINS**	30	44	44	36	38	32	36	30	30	30	29	30	32	20	20	18	7	30	29	29	27	43	56	36	30	32	27	33	34	32	33	31.5	2400	
PASADENA 2 N HANSON	20	22	25	24	32	31	32	25	22	29	24	23	20	14	10	-1	-8	7	18	9	13	21	22	22	10	20	21	28	22	21	25	19.5	EST	
LOTHIAN JUG BAY	34	41	44	45	50	40	39	43	36	39	38	39	40	36	29	19	27	36	31	30	31	44	52	47	33	29	29	40	39	42	32	37.2	2400	
BALTIMORE NWS BWI APT	19	26	23	21	31	31	33	30	25	29	29	22	23	21	13	8	2	22	19	18	16	13	19	23	14	24	27	27	22	19	18	21.4	EST	
LOTHIAN JUG BAY	48	38	42	50	50	50	37	41	42	41	45	43	41	39	33	M	29	34	37	M	M	38	47	58	42	38	33	32	40	42	42	41.1	0900	
BALTIMORE NWS BWI APT	22	19	23	21	28	33	37	33	24	24	24	19	22	27	18	M	-1	13	18	M	M	10	18	29	12	14	25	28	21	17	19	21.3	EST	
BALTIMORE 2SE MANFRE	34	42	44	44	50	40	41	41	36	37	39	38	39	35	27	18	26	36	32	30	31	43	55	51	33	30	28	41	37	41	32	37.1	2400	
LAUREL 2 E STOUDT	19	26	24	22	32	31	33	29	24	31	27	22	20	20	13	8	2	22	18	16	16	13	20	22	14	23	27	27	23	19	20	21.4	EST	
LAUREL 2 E STOUDT	34	43	45	45	49	40	40	40	37	37	38	37	39	35	27	17	25	37	32	29	32	45	56	49	35	31	30	39	38	40	32	37.2	2400	
OWINGS MILLS 2SE SHARROW	22	23	28	24	35	32	32	29	25	29	27	24	22	20	14	10	3	25	21	16	17	16	22	22	16	26	28	28	25	20	21	22.6	EST	
OWINGS MILLS 2SE SHARROW	33	39	40	43	48	38	37	38	35	36	35	35	37	34	26	15	21	33	31	27	30	42	52	46	32	31	28	36	36	38	30	34.9	2400	
BALTIMORE 2SE MANFRE	18	22	24	22	30	28	30	28	22	29	27	22	23	16	12	7	2	20	18	12	12	15	21	21	14	19	23	23	20	20	15	19.8	EST	
BALTIMORE 2SE MANFRE	35	44	46	45	51	41	42	41	36	41	39	38	40	37	29	18	27	36	32	31	30	45	53	52	34	31	30	43	39	43	32	38.1	1800	
BALT INNER HARBOR MD SCIENCE CENTER	24	28	32	30	38	31	33	30	27	31	29	28	31	21	17	11	8	27	25	20	18	22	28	24	21	23	27	27	28	27	21	25.4	EST	
BALT INNER HARBOR MD SCIENCE CENTER	34	42	42	45	50	41	42	41	36	37	39	38	40	37	29	18	27	36	31	29	30	44	50	52	34	30	30	43	38	41	32	37.4	2400	
MANCHESTER 1SW CLOSE	24	28	32	30	38	31	33	30	27	31	29	28	31	21	17	11	8	27	25	20	18	22	28	24	21	23	27	27	28	27	21	25.4	EST	
MANCHESTER 1SW CLOSE	33	39	41	41	47	33	31	32	29	28	30	31	35	32	21	12	18	29	26	25	26	40	49	46	30	25	24	35	33	36	25	31.7	2300	
WESTMINSTER 4 SSE HARTSOCK	15	21	24	23	33	26	29	22	19	24	21	18	22	12	7	2	-2	18	16	9	9	17	27	13	10	16	20	21	20	12	17.5	EST		
WESTMINSTER 4 SSE HARTSOCK	29	39	38	44	47	40	34	36	33	34	33	36	38	34	23	14	22	34	33	25	25	40	54	49	32	30	30	36	33	37	26	34.1	1900	
MILLERS 4NE MILLER	17	18	23	21	34	28	28	30	21	24	27	21	22	14	15	5	-3	17	18	11	11	15	20	22	12	18	24	24	20	15	14	18.9	EST	
MILLERS 4NE MILLER	30	39	38	39	44	37	33	35	31	30	33	33	36	34	21	14	17	30	28	26	27	40	53	46	29	26	25	39	39	35	27	32.7	1800	
MILLERS 4NE MILLER	17	19	24	20	35	27	28	29	22	22	27	20	22	14	14	5	-2	13	18	10	11	14	22	23	10	17	21	23	21	19	14	18.7	EST	
WESTMINSTER CITY MULLER																	1						56										1900	
BRYANS ROAD 2 ESE BRUMBACK																																		1900
BRYANS ROAD 2 ESE BRUMBACK	35	46	47	45	49	41	40	45	39	43	42	40	39	35	29	19	26	38	37	30	34	44	56	51	32	31	29	43	41	41	37	38.8	2400	
EMMITSBURG 2 SE GLASS	23	28	28	24	37	32	33	30	25	32	27	23	30	22	16	11	3	26	23	21	18	13	22	24	16	25	27	30	25	20	20	23.7	EST	
EMMITSBURG 2 SE GLASS	40	32	41	40	39	46	35	38	38	33	36	34	35	38	24	23	16	27	35	29	28	30	43	54	36	32	28	30	40	36	37	34.6	0630	
EMMITSBURG 2 SE GLASS	21	22	26	19	21	33	31	32	24	24	28	24	20	18	16	8	1	2	23	12	9	13	19	19	15	15	21	23	24	21	16	19.4	EST	

ACON MD / DE / DC
JANUARY 2009 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	42	30	40	40	52	32	34	40	22	28	42	22	28	38	22	10	12	30	32	28	17	20	44	50	22	28	28	28	38	28	20	30.5	0800
HARVEY	4	10	22	22	30	20	24	22	10	12	20	12	14	2	2	-10	-14	10	16	6	4	10	14	18	2	11	20	18	14	18	4	11.8	EST
LAUREL JHU / APL	33	42	41	44	47	38	39	38	34	35	37	35	38	32	25	14	23	35	30	25	29	43	52	51	33	29	28	39	37	40	31	35.4	2400
GIANNOLA	21	26	28	24	34	29	31	28	24	29	26	25	27	17	12	7	2	23	20	15	15	17	24	20	16	22	25	26	24	22	18	21.8	EST
NORBECK 1 S	33	42	43	43	48	39	38	37	35	35	35	35	36	36	26	16	21	34	32	27	30	41	52	51	32	30	29	39	35	36	32	35.4	2200
BERGER	20	21	27	22	36	31	32	30	24	26	26	22	25	18	12	8	0	21	20	14	15	13	22	21	13	23	26	27	24	20	19	21.2	EST
POTOMAC 4N	32	42	43	44	48	40	38	38	35	37	36	37	38	35	28	16	23	36	32	27	29	41	51	36	32	30	31	38	36	40	32	35.5	2100
COHEN	21	21	26	24	34	32	32	30	24	28	29	25	27	20	16	9	3	23	21	15	17	13	22	25	16	25	28	28	25	20	20	22.5	EST
OLNEY 1 S	33	41	42	43	47	37	37	37	34	35	35	36	37	32	25	16	22	35	32	26	29	40	51	47	33	30	29	37	36	38	32	35.0	2400
GIANNOLA	19	22	25	22	35	31	32	29	22	28	26	21	25	17	12	6	2	22	19	10	15	14	22	20	14	22	26	26	22	18	20	20.8	EST
CLARKSBURG 2ENE	32	42	42	42	47	37	38	38	35	35	35	36	37	31	25	15	23	35	30	26	30	44	54	51	32	28	28	39	35	38	31	35.2	2400
HOLDEN	20	27	28	29	36	30	32	26	23	28	26	23	26	16	10	4	2	23	19	11	14	19	28	18	14	20	25	26	22	24	16	21.5	EST
MONTGOMERY VILLAGE	32	42	42	44	48	39	39	38	35	36	37	36	38	34	27	15	24	36	32	26	30	42	53	49	32	30	30	39	36	39	32	35.7	2400
ROTH 1SW	22	28	27	24	38	33	33	28	25	30	28	24	24	20	14	8	4	24	21	12	17	14	22	22	15	23	27	28	24	21	19	22.6	EST
GLENMONT 1NNE	35	44	45	45	49	40	39	42	39	37	38	38	39	34	27	20	25	36	32	28	34	48	57	48	37	31	30	38	42	43	35	37.9	2400
ROSSEN	20	27	25	23	32	32	33	29	25	29	28	25	23	20	12	9	2	23	19	15	17	12	20	22	15	24	27	29	23	18	20	21.9	EST
BETHESDA	32	43	44	46	49	39	38	40	36	38	37	37	38	33	26	16	25	36	33	27	31	43	54	50	32	30	29	39	38	39	33	36.5	2400
SCAFIDE	21	29	29	26	38	32	32	28	25	30	28	25	28	20	13	8	5	25	23	17	17	16	25	22	17	24	27	29	25	24	20	23.4	EST
GAITHERSBURG 2WNW	33	42	43	43	49	39	38	39	37	36	36	37	39	34	27	17	24	36	32	27	32	43	54	49	33	30	30	39	37	40	34	36.4	2400
SHAW	22	28	26	24	37	33	33	29	25	30	29	24	25	20	14	8	3	24	21	12	17	14	22	21	16	24	25	28	23	20	19	22.5	EST
FOREST GLEN	35	44	48	49	52	40	39	43	39	40	38	40	39	35	27	20	25	37	36	31	33	46	55	50	36	31	31	39	41	43	34	38.6	2400
TERRY	21	29	27	25	37	32	33	30	25	31	28	24	28	20	13	8	5	25	22	17	17	15	24	22	15	25	27	29	25	22	20	23.3	EST
OXON HILL	34	44	47	46	50	41	42	42	39	42	41	40	39	34	28	19	26	38	37	30	34	43	56	50	33	31	30	42	40	42	38	38.6	2300
SMITH	23	31	30	26	38	32	33	31	26	31	28	25	29	22	18	10	7	25	22	19	18	16	23	24	15	24	27	29	27	22	23	24.3	EST
HOLLYWOOD	36	42	49	47	49	42	46	47	42	52	50	42	41	37	33	21	28	39	39	32	35	45	57	51	36	30	31	42	41	44	38	40.6	2359
ABELL	21	27	27	24	35	34	33	32	24	31	29	24	28	23	13	10	5	28	25	21	18	15	25	25	15	27	28	30	25	22	18	23.9	EST
RIDGE	37	40	44	43	50	38	56	47	42	54	44	43	43	34	33	22	22	41	38	31	34	39	55	49	32	31	32	46	36	43	34	39.8	2400
ZYLA	23	33	32	30	38	36	36	31	28	32	31	28	28	26	17	13	9	22	31	25	21	24	29	29	21	29	29	30	29	27	23	27.1	EST
SMITHSBURG 1.5 SW	33	44	40	39	45	35	37	36	33	32	34	34	38	28	23	13	23	36	31	27	28	44	54	48	31	28	29	38	36	36	32	34.4	2400
HUTTO	18	28	24	18	35	31	32	25	23	28	26	23	27	15	9	5	-4	23	14	2	11	18	19	16	9	21	23	26	22	15	19.5	EST	
HAGERSTOWN 1E	31	44	39	38	45	35	37	36	34	33	34	35	37	29	23	13	23	34	28	26	28	44	55	51	29	28	28	37	34	36	30	34.0	2400
KEEFER	20	28	25	20	35	31	32	26	24	29	27	23	27	15	10	5	-1	23	16	4	11	13	20	17	11	21	23	26	23	23	15	20.1	EST
SMITHSBURG 2 NE	31	43	39	39	43	35	38	36	32	34	35	33	37	28	25	12	23	35	28	25	27	41	52	49	29	27	27	38	36	34	33	33.7	2400
VAUGHN	21	28	28	22	35	31	32	25	24	28	27	25	28	14	11	5	4	23	18	11	14	21	27	18	13	21	23	25	23	24	15	21.6	EST
SALISBURY	33	40	45	47	50	43	57	46	38	52	53	39	42	35	32	20	26	39	38	31	30	42	53	46	34	32	32	62	39	44	32	40.4	2400
NWS WICOMICO CO APT	13	13	22	20	39	36	39	32	21	27	28	22	19	19	16	9	-2	26	21	19	12	13	36	24	11	27	28	32	21	17	17	21.8	EST
WASH NATIONAL	34	43	47	45	51	41	42	42	39	40	40	40	39	35	29	18	27	37	36	30	34	41	51	50	34	31	30	43	38	43	36	38.3	2400
NWS ASOS	23	30	31	27	37	32	33	30	27	32	28	27	29	22	17	11	8	26	24	19	18	19	24	24	20	25	27	30	27	25	22	25.0	EST
WASH DULLES	34	46	47	47	50	38	40	41	38	38	39	39	38	33	27	17	26	38	34	29	33	44	57	50	34	30	30	44	39	41	37	38.0	2400
NWS ASOS	21	29	24	22	34	32	32	29	25	31	28	23	22	19	10	6	0	22	17	16	14	9	18	21	14	24	27	30	22	18	17	21.2	EST
STERLING 4 N	35	46	48	46	51	39	39	42	38	38	39	39	37	34	28	18	26	38	35	31	34	45	55	51	34	32	30	38	39	43	37	38.2	2400
SHAFFER	24	30	28	25	36	33	33	31	26	30	31	27	23	20	15	9	5	26	19	18	19	13	21	23	18	24	28	30	24	20	22	23.6	EST
DAVIS 3 SE WV	26	32	32	42	49	36	46	44	16	34	41	23	21	32	21	4	-3	23	26	19	10	15	29	47	19	22	22	43	47	24	18	27.7	0700
LESHER	3	1	23	22	36	25	35	16	11	11	23	15	16	1	2	-14	-15	-8	17	5	3	2	15	19	4	6	14	20	15	15	3	11.0	EST

**ACON MD / DE / DC
JANUARY 2009 DAILY PRECIPITATION**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME
BEAR 2 SW, DE GALLAHER		T			T	0.26 T	1.74		T	T	0.05 0.1	0.08			T	T	0.01 0.1	0.01 0.2									0.18 1.9	0.52 0.6				2.85 2.9	2400 EST
WILMINGTON , DE NWS NEW CASTLE CO APT		T		T	T	0.24 T	1.63	T	T	0.05 0.1	0.08			T	T	0.01 0.1	0.01 0.2										0.18 1.9	0.70 0.6		T		2.90 2.9	2400 EST
NEWARK AG FARM, DE U OF DE DEOS						0.31	1.48			0.07	0.09								0.01								0.02	0.46		0.12		2.56	2400 EST
TOWNSEND 4 W, DE U of D REC DEOS						0.08	1.75			0.12	0.18																0.04	0.45				2.62	2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT		0.02		T	0.03	0.47	0.49			0.11	0.11							0.03	0.06							T	0.27	0.52				2.11 -	2400 EST
GEORGETOWN, DE U of D REC DEOS		0.05				0.63	0.49			0.11	0.11							0.10									0.02	0.81				2.32	2400 EST
HARBESON 8 S, DE U of D REC DEOS		0.03			0.01	0.51	0.52			0.10	0.11								0.09								0.02	0.85				2.24	2400 EST
FROSTBURG LATTA	0.09 1.2		T 0.3		0.12	T	0.88	0.36 1.1	0.02 1.5		0.40 T	T 0.2		0.03 1.1	0.12 3.4	T 0.2		0.01 0.1	0.10 2.6	0.02 0.8					T T	T 0.1	0.14 1.4	0.77 2.1	0.25 0.3	T 0.4	0.01 0.4	3.32 17.2	0700 EST
LAVALE MULLINS**		T		0.07		0.44 0.5	0.94 T	T 0.2	T T	0.23 0.1				0.10 2.5		0.01 0.1	0.06 1.5									0.11 0.5	0.64 4.5	0.18 T		T 0.2		2.78 10.1	2400 EST
PASADENA 2N HANSON						0.61	1.50			0.10	0.12																	0.28	0.26	0.05		2.92 1.5	2400 EST
LOTHIAN JUG BAY						0.34	1.19	0.55			0.23																0.09 1.8	0.51				2.91 1.8	0900 EST
BWI NWS ASOS		T T		T	T	0.48 T	1.37			0.11	0.08				T				0.01 0.2					T T	T T	0.30 1.8	0.38 0.1					2.73 2.1	2400 EST
LAUREL 2 E STOUDT				T		0.68 T	1.42			0.13 T	0.09				T T				T T							T T	0.34 1.6	0.38 T				3.04 1.6	2400 EST
OWINGS MILLS 2SE SHARROW				T		0.46 T	1.42			0.10 T				T T	T T				0.07 2.0					T T	0.01 0.3	0.32 2.0	0.43 T					2.81 4.3	2400 EST
BALTIMORE 2SE MANFRE						0.47	1.29			0.08	0.09								0.03 0.2					T	T	0.29 1.5	0.42					2.67 1.7	1800 EST
BALT INNER HARBOR MD SCIENCE CENTER						0.38	1.36			0.08	0.08								0.03								0.27	0.45				2.65 -	2400 EST
MANCHESTER 1SW CLOSE					T	0.34 T	0.95 T	T T		0.05 T	0.01		T T	T T	T 0.1	T T	T 0.1		0.05 1.4					T 0.1	T 0.1	0.24 1.6	0.56 0.5		T T			2.20 3.9	2300 EST
WESTMINSTER 4 SSE HARTSOCK						0.05	1.31	T T		0.12					T 0.5				0.07 1.1					T T	T 0.2	0.08 1.1	0.85 0.9					2.48 3.8	1900 EST
MILLERS 4NE MILLER				T	T	0.02 T	1.29	T T		0.05 T	0.09				0.01 0.3			T T	0.06 1.5	T				0.01 0.3	T T	0.15 1.3	0.68 0.8		T T			2.36 4.2	1800 EST
WESTMINSTER CITY MULLER				T	T	0.09 T	1.30 T	0.02		0.05 T	0.10				0.02 0.5			T T	0.06 1.2							0.01 0.2	0.15 1.7	0.67 0.3				2.47 3.9	1900 EST
BRYANS ROAD 2 ESE BRUMBACK					0.02	0.49	1.06			0.17	0.04																0.39 2.5	0.37				2.54 2.5	2400 EST
EMMITSBURG 2 SE GLASS						0.10	1.09			0.05																	T	0.18 1.0	0.25			1.67 1.0	0630 EST

**ACON MD / DE / DC
JANUARY 2009 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	0.15 4.0	T T			0.10	0.50	1.00	0.30 3.0	0.10 2.0		1.00 T	0.02 2.0	T	0.10 2.0	0.14 6.0	T T		0.31 1.0	0.32 5.0	0.01 1.0	0.01 1.0			T T		0.05 0.5	0.25 3.0	0.32 0.3	0.17 1.0	0.01 1.0	0.15 3.0	5.01 35.8	0800 EST	
LAUREL JHU / APL GIANNOLA						0.32	1.26			0.10	0.05				T T				0.06 0.8							T T	0.34 1.5	0.42				2.55 2.3	2400 EST	
NORBECK 1 S BERGER						0.39	1.62			0.12 T	0.06				0.01 0.1				0.03 0.5					T T		0.01 0.1	0.23 1.4	0.42 0.1				2.89 2.2	2200 EST	
POTOMAC 4N COHEN						0.41	1.59			0.16					0.01 0.1				0.05 0.3					T T		0.01 T	0.24 1.5	0.42 T				2.89 1.9	2100 EST	
OLNEY 1 S GIANNOLA						>	1.84			> T	0.14				T 0.1				0.07 1.0								>	0.75			2.80 2.6	2400 EST		
CLARKSBURG 2ENE HOLDEN						0.64 T	0.89 T	T		0.15 T	0.01		T T		0.03 0.8		T T	0.05 0.8	T	T				T T		T 0.1	0.36 2.0	0.42 T				2.55 3.7	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW						0.38	1.48			0.16	0.04								0.07								0.35	0.20				2.68 0.0	2400 EST	
GLENMONT 1NNE ROSSEN						0.75 T	1.33			0.15	0.07				T 0.1				0.01 0.2							T T	0.36 1.7	0.42 0.1				3.09 2.1	2400 EST	
BETHESDA SCAFIDE						0.84	1.18			0.15	0.07																0.26					2.50 -	2400 EST	
GAITHERSBURG 2WNW SHAW						0.65 T	1.08 T	T		0.12 T	T				T T				0.06 1.2							T T	0.34 1.6	0.33 T				2.58 2.8	2400 EST	
FOREST GLEN TERRY						0.78 T	1.41			0.15 T	0.05								0.01 0.1					T T		T T	0.37 2.2	0.44 0.1				3.21 2.4	2400 EST	
OXON HILL SMITH					0.01	0.58	1.47	T T		0.15 T	0.12																T T	0.41 2.6	0.32				3.06 2.6	2300 EST
HOLLYWOOD ABELL		0.01 T			0.01	0.54	0.85	T T		0.14	0.04		0.01													T T	0.43 1.8	0.28				2.31 1.8	2359 EST	
RIDGE ZYLA		0.08 0.1			0.01	0.30	0.29	0.02		0.17										0.12 0.8						T T	0.60 1.5	0.16				1.75 2.4	2400 EST	
SMITHSBURG 1.5 SW HUTTO				T		0.40 T	0.90 T			0.04 T					0.01 1.0				0.07 2.2					T T		0.01 T	0.23 1.5	0.68 1.0				2.34 5.7	2400 EST	
HAGERSTOWN 1E KEEFER				T	0.01	0.40 T	0.87 T			0.05 T			T T		0.03 0.8		T T	T T	0.09 2.0	T				T T		T T	0.23 2.0	0.53 0.2		T		2.21 5.0	2400 EST	
SMITHSBURG 2 NE VAUGHN						0.25	0.95	T T			0.02 T		T T		0.07 0.8				0.18 2.0							T 0.1	0.17 1.9	0.03 0.1	0.31 0.1	0.01 0.1		1.99 5.0	2400 EST	
SALISBURY NWS WICOMICO CO APT		0.03 T			T	0.12	0.29	T		0.05	0.10		T						0.01 T	0.02 T						T T	0.12 1.5	0.43				1.17 1.5	2400 EST	
WASH NATIONAL NWS ASOS					T	0.52 T	1.26 T	T		0.14 T	0.10				T T				T T							T T	0.39 1.9	0.27				2.68 1.9	2400 EST	
WASH DULLES NWS ASOS						0.67 T	1.17 T			0.15	0.03				T T				0.01					T T		T T	0.41 2.0	0.20				2.64 2.0	2400 EST	
STERLING 4 N SHAFFER						> T	1.96			0.14 T					0.01 0.2				0.02 0.5					T T		T T	> 2.0	0.65				2.78 2.7	2400 EST	
DAVIS 3 SE WV LESHAR	0.43 6.4	0.01 0.2	0.04 0.6	T	0.48	0.12	1.68	0.95 6.2	0.56 7.1	0.02 0.3	1.28 0.2	0.17 2.1	T T	0.19 2.0	0.69 8.9	0.20 2.6		0.06 0.3	0.48 5.0	0.37 5.1	0.30 4.7	0.01 0.2		T T	0.13 2.1	0.02 0.3	0.24 2.2	0.82 1.8	0.40 1.1	0.10 1.6	0.19 3.2	9.94 64.2	0700 EST	