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ATLANTIC COAST OBSERVER NETWORK, MD / DE / DC CHAPTER

ANOTHER EARLY DECEMBER SNOWSTORM

The final month of the year 2007 saw above normal temperatures and precipitation and near normal to snowfall. Precipitation fell on nearly two thirds of the days. Almost all of the months snow fell on the 5th. A significant snow storm has occurred on either the 5th or 6th four out of the last six years. There were two high wind events where winds gusted to 40 to 60 plus mph. There were no sub-zero readings this month.

December began sunny and seasonably cold. On the 2nd and 3rd an inch of rain fell over the northern portions and a half inch in the southern portions. The event began with a little sleet. In the wake of the storm winds gusted to 40 to 50 plus MPH on the 3rd.

An Alberta Clipper brought the heaviest snowfall of the month to the region on the 5th. Four inch amounts were common except for areas east and south of Washington. **Herb Close** of **Manchester 1 SW** reported 7.8" on the 4th & 5th.

Following the Alberta Clipper a high pressure moved in bringing with it the coldest air of the month. Single digit readings were reported in portions of Carroll County westward into West Virginia. South and east of Washington the temperatures remained above 20 degrees.

The cold air was short lived. Precipitation moved into the region on the 7th. It began as light sleet and freezing rain in colder locations and changed to rain as temperatures slowly rose above freezing.

Temperatures rose on the 8th into the mid 40's to lower 50's. The warm temperatures melted the remaining snow cover east of the Maryland mountains.

Temperatures fell close to 20 degrees late on the 8th. Precipitation returned late on the 8th briefly as sleet and freezing rain in Central Maryland westwards before temperatures warmed and the frozen precipitation changed to rain. Temperatures rose steadily from

midnight of the 8th thru mid day on the 12th. Temperatures remained freezing or above at all Maryland / Delaware ACON locations from the 9th to the 12th except at **Eagle Rock** where a 30° minimum was observed on the 9th. The 12" snow cover in the mountains at **Eagle Rock** on the 7th melted by the 10th.

Temperatures peaked on the 12th ahead of a cold front. Readings were generally in the 50's. The warmest reading of 60°+ were east and southeast of Washington DC. **John Zyla** of **Ridge** and **Floyd Abell** of **Hollywood** both reported 72°.

Seasonal temperatures arrived on the 13th and remained thru the 21st.

The strongest storm of the month began late of the 15th and lasted into the 16th. Precipitation began as sleet and or freezing rain in Central Maryland westward and snow in the Maryland Mountains. Winds gusted to 50 to 60+ MPH range. **Greg Keefer** of **Hagerstown 1E** reported severe icing at nearby higher elevations areas. The heaviest amounts fell in Central Maryland. **Max Hutto** of **Smithsburg 1.5 SW** 1.86", **Greg Keefer** of **Hagerstown 1E** reported 1.77", and **Jim Vaughn** of **Smithsburg 2 NE** 1.62".

Seasonal temperatures and dry weather followed the storm from the 17th to the 21st. Rain and warm temperatures moved in on the 23rd. 63° was reported by the following ACON observers: **Gary Gallaher** of **Bear 2 SW DE**, **Joe Manfre** of **Baltimore 2 SE**, **Marty Brumback** of **Bryans Road 2 ESE**, **Brian Smith** of **Oxon Hill**, and **Floyd Abell** of **Hollywood**.

Christmas Day, which began frosty, was sunny mild.

The 26th to 31st was mild and wet. Rain fell on each day except the 27th at most stations.

EXTREMES REPORTED BY ACON OBSERVERS

<u>MAXIMUM TEMPERATURE</u>	
Hollywood	73
Ridge	73
Bryans Road	66
<u>MINIMUM TEMPERATURE</u>	
Davis 3 SE WV	3
Emmitsburg 2 SE	6
Eagle Rock	6
Smithsburg 1.5SW	6
<u>WARMEST AVG. TEMP.</u>	
Ridge	42.6
Hollywood	41.6
Baltimore 2 SE	40.7
<u>COLDEST AVG. TEMP.</u>	
Davis 3 SE WV	30.9
Eagle Rock	31.2
Frostburg	31.8
<u>MAXIMUM PRECIPITATION</u>	
Davis 3 SE WV	8.99
Eagle Rock	6.71
Jug Bay Wetlands	6.05
<u>MINIMUM PRECIPITATION</u>	
UofD Warrington Farm DE	3.40
Gaithersburg 2 WNW	3.46
Laurel JHU/APL	3.51
<u>MAXIMUM SNOWFALL</u>	
Eagle Rock	27.5
Davis 3 SE WV	27.1
Frostburg	10.4
<u>MINIMUM SNOWFALL</u>	
Hollywood	0.8
Ridge	1.1
Bryans Road 2 ESE	1.8

ACON Observer **David Allan Bryant** passed away on December 22, 2007. Dave joined ACON in 2002. His station was located in St. Margarets, east of Annapolis, and more recently at Annapolis 2N. Many thanks to his daughter, Sandy, who assisted him during recent years with his data submittals.

OBSERVER COMMENTS FOR DECEMBER 2007

Gary Gallaher of Bear 2 SW, DE

Measurable precipitation that fell on 19 days set a monthly record. Old record was 18 days in 1996.

5th - First measurable snow of the season. Also first day of the winter season where the temperature failed to rise above freezing.

Greg Latta of Frostburg

17th - Damaging winds during the 24 hours period ending at 7 AM.

Nate Mullins of LaVale

3rd - Strong NW winds, light snow showers.

16th - Strong W winds, minor tree and power line damage, snow flurries.

23rd - Period of rain, strong PM winds, & falling temperatures.

Jeff Stoudt of Laurel 2 E

Precipitation was frequent but seldom heavy with at least 19 days with some.

16th - Rain AM; rather heavy before dawn.

Al Kreinik of Parkton 5 SW

13th - AM fog, light rain today.

23rd - Heavy fog, moderate rains.

30th - Some PM ice.

Marty Sharrow of Owings Mills

20th - Frosty start, partly cloudy and seasonable.

26th - Overcast & raw with afternoon & evening rain.

Joe Manfre of Baltimore 2SE

7th - Cold, light rain and sleet until mid afternoon.

15th - Light rain and sleet late PM.

Greg Klein of Westminster 5 SSE

5th - Heavy snow on a southeast wind.

Ralph Hartsock of Westminster 4 SSE

5th - Cold, snow all day light to moderate and some heavy.

12th - Warmer, light PM showers.

26th - A little AM sleet. PM light rain.

30th - Cloudy, cold, rain develops.

Bobby Miller of Millers 4 NE

7 days with glaze (2nd, 8th, 13th, 15th, 16th, 30th, & 31st)

2nd to 13th - 12 straight days with measurable precipitation, Second longest streak.

3rd - Snow squall late after obs time.

16th - Up to 1/4" glaze then rain.

22nd - Heavy AM fog, visibility zero

Ray Muller of Westminster City

5 days with ice pellets (2nd, 7th, 13th, 16th, & 31st)

5 days with dense fog (9th, 11th, 14th, 28th, & 29th)

Eric Glass of Emmitsburg 2 SE

4th - Partly cloudy, very windy.

14th - Fog, damp, cold.

Rebecca Harvey of Eagle Rock

10th - Thunder. 12" of snow cover on the 6th & 7th gone.

Rich Giannola of JHU/APL

4 days with peak wind gusts of 40 plus MPH (3rd, 4th, 16th, & 17th)

14th - Morning fog, clearing rapidly by 8 AM.

Rob Cohen of Potomac 4 N

16th - Thunder.

Rich Giannola of Laurel

5th - Snow began ~6 AM. 4.5" fell by 4 PM. Another 2" by 9 PM. Snow/liquid ratio 12.9 to 1.

16th - Thundershower 10:00 to 10:30 AM

Stan Rossen of Glenmont 1 NNE

14th - Early morning dense fog, visibility 1/4 mile.

25th - Faint lunar corona - Moon and Mars visible thru overcast.

Kevin Shaw of Gaithersburg 2 WNW

Above normal temperature and normal precipitation. Snowfall slightly below normal.

11th - Daily record high minimum temperature of 43.

25th - Sunny, mild early - increasing clouds evening.

Joe Terry of Forest Glen

5th - Second heaviest snowfall (4.2") so early in the season in 13 years station history.

16th - Extraordinary pressure drop of 7 millibars in 20 minutes around 4 AM.

23rd - Dense fog from 4 AM to 1:30 PM. Highest temp of month reached at noon along with 60° dew point.

Brian Smith of Oxon Hill

7th - Light freezing rain 0730 - 1000.

Floyd Abell of Hollywood

3rd - Showers before dawn, fair, windy day.

29th - Early AM rain, heavy at times.

31st - Rain before dawn, morning fog, then fair.

John Zyla of Ridge

5th - Snow began at 10:30 AM, changed to rain at 2:30 PM.

29th - Rare December thunderstorm 8:30 to 10:00 AM.

Max Hutto of Smithsburg 1.5 SW

16th - Overnight freezing rain / sleet. Rain into midday.

25th - Christmas: cold AM, sunny, breezy.

Greg Keefer of Hagerstown 1 E

6th wettest December. Record wettest 6.12" in 1983.

8th - Light freezing rain overnight caused a light coating of ice.

16th - Sleet and freezing rain overnight. Severe icing in nearby higher elevation areas. Cascade MD area reported severe icing and winds well over 60 MPH.

Jim Vaughn of Smithsburg 2 NE

17th consecutive month with wind gusts of 40+ MPH.

16th - Northeaster with significant ice damage. Winds gusted to 64 MPH.

23rd - Wind gust of 66 MPH.

Dave Leshner of Davis 3 SE WV

6th - 11" snow cover, max for the month.

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 2007 SUMMARY**

OBSERVER	STATION <i>COUNTY, STATE</i>	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	43.9	29.3	36.6	63	23	12	7	0	2	22	49	WNW	3	5.09	1.06	2	46.92	19	2	4.1	4.0	5	4.1	2400
NWS Wilmington	New Castle Co. Apt.	44.4	30.8	37.6	64	23	16	6+	0	2	18	51	WNW	3	4.82	1.04	2	41.81	18	2	4.1	4.0	5	4.1	2400
U of DE DEOS	UofD AG Farm Newark, DE	43.1	29.7	36.4	62	23	14	7	0	2	23	30		3	5.67	1.18	2	43.66	19	2					2400
U of D Townsend Farm	Townsend 4 W	43.3	29.3	36.3	63	23	9	7	0	2	23	44		16	5.18	1.17	16	31.58	17	1					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	48.3	31.8	40.1	67	12	11	7	0	1	18	44	WNW	17	4.08	1.24	16	33.24	15	1					2400
U of D Research & Ed Ctr	Georgetown	48.2	31.4	39.8	67	12	10	7	0	1	19				3.72	1.17	16	28.14	15	1	3.0	2.0	6	3.0	2400
U of D Warrington Farm	Harbeson 8 S	47.2	30.9	39.1	66	12	10	7	0	1	18				3.40	1.30	16	22.06	17	1					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	38.6	25.0	31.8	61	24	8	6+	0	6	27				5.42	0.94	3	42.55	17	0	10.4	3.8	6	11.1	0700
Mullins, Nate**	LaVale	39.0	30.2	34.6	53	12	13	6	0	6	22				5.14	1.06	9	35.69	16	1	5.8	4.5	5	5.8	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	45.0	30.5	37.8	59	12+	14	7	0	1	20	43	W	16	3.89	1.08	16	32.34	17	1	4.3	4.3	5		2400
Jug Bay Wetlands	Lothian	49.1	30.8	40.0	67	13	15	6	0	0	18				6.05	0.90	14	36.95	18	0	2.0	2.0	6	2.0	0900
NWS Baltimore	BWI Airport	45.0	30.6	37.8	63	23	14	7	0	2	18	61	WNW	16	4.03	0.93	16	34.97	16	0	4.8	4.7	5	4.8	2400
Stoudt, Jeff	Laurel 2 E	44.8	32.1	38.5	61	23	18	6	0	0	18				3.90	0.90	16	35.20	16	0	4.5	4.5	5	4.5	2400
<i>Baltimore, Maryland</i>																									
Kreinik, Al	Parkton 5 SW	42.3	28.2	35.3	58	23	10	6	0	3	24				4.69	1.35	16	36.63	14	1	5.8	5.2	5	5.8	2200
Sharrow, Marty	Owings Mills 2 SE	41.2	28.9	35.1	58	23	14	6+	0	2	22				5.67	0.80	13	30.36	17	0	4.4	4.4	5	4.4	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	46.3	35.1	40.7	63	23	21	6	0	1	6				4.14	0.99	16	33.35	16	0	4.1	4.1	5	4.1	1800
Maryland Science Ctr	Baltimore Inner Harbor	45.8	35.5	40.7	63	23	23	6	0	1	6				4.05	0.92	16	32.29	16	0					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	41.3	29.5	35.4	59	23	11	6	0	5	21				4.96	1.18	16	39.62	19	1	8.3	6.5	5	8.3	2300
Hartsock, Ralph	Westminster 4 SSE	41.1	28.3	34.7	58	23	9	6	0	3	24	59		16	5.33	1.60	16	39.20	15	1	5.1	4.8	5	5.1	2000
Klein, Greg	Westminster 5 SSE	40.0	28.6	34.3	57	23	11	6	0	3	23				4.87	1.33	16	38.42	16	1	6.8	6.5	5	6.8	2200
Miller, Bobby	Millers 4 NE	40.8	28.2	34.5	59	23+	8	6	0	4	25	51	W	16	5.01	1.34	16	38.43	19	1	7.5	6.0	5	7.5	1800
Muller, Ray	Westminster City	42.0	29.5	35.8	59	23	11	6	0	3	22	52	WNW	16	4.29	1.14	16	36.96	16	1	5.8	5.2	5	5.8	1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	47.1	32.9	40.0	66	12	20	6	0	0	16				4.89	0.80	16	32.97	16	0	1.8	1.8	5	1.8	2400
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	41.7	27.0	34.4	59	13+	6	7	0	3	26				5.19	1.32	16	32.32	13	2	4.0	4.0	6		0700
Lawrence, Bryon	Frederick 3 WNW	42.1	28.7	35.4	58	12	9	6	0	3	22				4.75	0.94	16	20.72	18	1	4.9	4.7	5	4.9	2300
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock	38.4	23.9	31.2	59	10	6	6	0	8	29				6.71	1.50	3	50.69	17	2	27.5	7.5	4	32.5	0800
<i>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	43.5	31.1	37.3	61	23	15	7	0	2	19	54	W	16	3.51	0.82	16	29.57	16	0	4.0	4.0	5	4.0	2400

**ACON MD/DE/DC
DECEMBER 2007 SUMMARY**

OBSERVER	STATION	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>Montgomery, Maryland</i>																									
Cohen, Rob	Potomac 4 N	43.9	31.4	37.7	59	23	15	6	0	2	17				3.84	1.10	16	32.85	15	1	4.2	4.2	5	4.2	2100
Giannola, Rich	Olney 1 S	43.0	29.8	36.4	60	23	16	6	0	2	18				3.61	1.09	15-16	33.48	13	1	4.5	4.5	5	4.5	2400
Roth, David	Montgomery Village 1SW	43.8	31.8	37.8	60	23	16	6+	0	2	18				3.59	0.73	16	29.47	17	0					2400
Rossen, Stan	Glenmont 1 NNE	45.1	30.3	37.7	61	23	15	6+	0	1	21	27	16		3.79	0.85	16	34.01	17	0	4.9	4.8	5	4.9	2400
Scafide, Tony	Bethesda	44.4	32.5	38.5	61	23	17	6	0	2	15	26	3		<u>2.69</u>	0.63	16	<u>25.48</u>	15	0					2400
Shaw, Kevin	Gaithersburg 2 WNW	44.1	30.9	37.5	60	23	14	6	0	1	18				3.46	0.85	16	31.88	16	0	4.1	4.1	5	4.1	2400
Terry, Joe	Forest Glen	46.0	32.0	39.0	61	23	16	6	0	1	16	45	W	16	3.87	0.89	16	35.37	17	0	4.2	4.2	5	4.2	2400
Wash Gas Light	Rockville 1 NE																	<u>15.96</u>							2400
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	47.2	34.5	40.9	65	12	22	6	0	0	11				3.66	0.86	16	36.98	16	0	2.3	2.3	5	2.3	2300
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	48.9	34.3	41.6	72	12	22	7	0	0	12	45		16	3.76	0.83	16	34.43	14	0	0.8	0.8	5	0.8	2400
Zyla, John	Ridge	49.1	36.0	42.6	72	12	25	5	0	0	7	30	NW	16	4.20	0.79	16	35.48	13	0	1.1	1.1	5	1.1	2400
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	43.0	28.3	35.7	59	12	6	6	0	3	22	38	WNW	16	5.41	1.45	16	42.17	16	1	4.3	4.0	5	4.3	2400
Keefer, Greg	Hagerstown 1 E	41.8	28.8	35.3	58	12	9	6	0	3	22	57	WNW	16	5.63	1.40	16	41.30	17	1	4.1	4.0	5	4.1	2400
Vaughn, Jim	Smithsburg 2 NE	41.9	31.0	36.5	61	12	12	6	0	3	19	66	SW	23	5.60	1.44	16	38.39	16	1	4.3	3.8	5	4.3	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	49.4	29.0	39.2	70	12	10	7	0	1	21	54	NNW	3	4.03	1.15	16	34.46	12	1	T	T	4+	T	2400
<i>Arlington, Virginia</i>																									
NWS Washington Nationa	National Airport	47.7	35.9	41.8	64	12+	23	6	0	0	7	53	WNW	3	3.28	0.72	16	32.93	16	0	2.6	2.6	5	2.6	2400
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	45.7	31.0	38.4	61	12	13	6	0	2	18	54	SSE	20	2.97	0.68	16	28.00	16	0	2.5	2.5	5	2.5	2400
Shaffer, Lance	Sterling 4 N	45.6	32.4	39.0	58	23	19	6+	0	0	17				3.62	1.35	15-16	31.55	17	1	4.3	4.3	5	4.3	2400
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	37.8	23.9	30.9	57	12	3	6+	0	10	26				8.99	1.51	3	69.64	19	2	27.6	7.7	4	34.0	0700
SECTION AVERAGE*		44.2	30.6	37.4											4.44		35.87				4.9		5.1		

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

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

NOTES:

M OR UNDERLINE= MISSING DATA + FIRST OF SEVERAL OCCURANCES

> = INCLUDED IN NEXT DAYS DATA

ITALIC = ESTIMATED DATA

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 7/15/08

ACON MD / DE / DC
DECEMBER 2007 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	39	43	51	38	31	31	34	50	40	46	49	58	39	47	37	44	38	38	45	45	42	44	63	47	48	37	46	48	53	42	48	43.9	2400 EST
WILMINGTON , DE NWS NEW CASTLE CO APT	40	45	52	38	31	31	35	50	41	47	50	58	38	48	37	45	39	39	45	46	43	44	64	47	48	38	45	47	54	43	48	44.4	2400 EST
NEWARK AG FARM, DE U OF DE DEOS	38	40	50	37	30	31	36	49	39	46	48	57	38	45	36	43	37	38	45	44	42	44	62	47	47	36	44	48	52	42	48	43.1	2400 EST
TOWNSEND 4 W, DE U of D DE Townsend Farm	38	42	50	36	32	31	34	46	41	45	49	56	38	46	37	45	37	36	43	44	42	46	63	47	46	37	48	46	53	41	47	43.3	2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT	42	52	55	39	33	31	37	48	46	59	51	67	47	49	45	57	40	39	47	47	46	50	63	57	49	42	52	51	62	45	50	48.3	2400 EST
GEORGETOWN, DE UofD RESEARCH & ED CTR	41	53	55	39	33	30	37	49	45	60	51	67	47	48	45	57	39	39	46	45	45	50	63	57	48	43	52	52	62	45	50	48.2	2400 EST
HARBESON 8 S, DE UofD WARRINGTON FARM	40	51	53	38	33	29	37	48	45	55	51	66	46	47	45	57	38	38	45	44	45	49	62	57	48	42	47	51	62	45	49	47.2	2400 EST
FROSTBURG LATTA	42	35	49	35	24	23	25	36	40	55	56	60	49	39	32	28	34	23	36	36	34	33	37	61	38	42	37	41	44	41	33	38.6	0700 EST
LAVALE MULLINS**	41	36	38	32	28	33	32	40	37	45	45	53	38	38	32	32	28	38	35	40	38	41	48	45	50	39	42	42	46	34	43	39.0	2400 EST
PASADENA 2 N HANSON	44	43	52	39	32	36	35	49	39	46	50	59	42	51	37	44	40	42	42	47	43	46	59	51	51	37	50	48	53	41	52	45.0	2400 EST
LOTHIAN JUG BAY	53	45	52	52	41	34	M	36	51	44	58	62	67	42	54	43	44	39	M	44	49	45	47	63	53	52	47	58	51	54	43	49.1	0900 EST
BALTIMORE NWS BWI APT	43	42	51	38	30	32	34	52	41	47	50	59	42	50	36	44	39	41	41	47	43	46	63	49	50	38	54	47	54	42	50	45.0	2400 EST
LAUREL 2 E STOUDT	41	43	49	39	33	33	36	51	41	48	49	58	42	49	37	43	38	41	41	46	43	46	61	49	50	38	53	47	52	41	50	44.8	2400 EST
PARKTON 5SW KREINIK	39	38	48	35	28	30	27	51	39	44	49	56	39	47	34	42	37	36	35	44	42	44	58	55	46	37	49	47	50	39	47	42.3	2200 EST
OWINGS MILLS 2SE SHARROW	38	39	45	35	29	28	33	46	37	44	44	55	40	44	34	41	34	36	37	42	41	44	58	45	45	37	48	45	50	40	44	41.2	2400 EST
BALTIMORE 2SE MANFRE	44	44	52	39	32	33	37	52	43	49	51	61	44	51	38	45	39	44	41	48	44	47	63	51	52	41	50	49	56	43	52	46.3	1800 EST
BALT INNER HARBOR MD SCIENCE CENTER	43	43	52	39	32	33	37	51	43	48	51	60	43	50	38	45	39	42	42	47	44	47	63	50	51	40	50	49	55	43	51	45.8	2400 EST
MANCHESTER 1SW CLOSE	39	39	44	32	26	32	31	48	39	43	49	55	38	44	32	39	35	38	35	44	40	41	59	48	48	36	50	43	49	37	46	41.3	2300 EST
WESTMINSTER 4 SSE HARTSOCK	37	37	45	35	30	25	32	45	38	44	45	54	39	46	34	39	34	35	38	41	42	44	58	45	43	40	49	46	50	40	43	41.1	2000 EST
WESTMINSTER 5 SSE KLEIN	38	37	43	33	28	26	31	43	37	43	46	52	37	45	33	39	33	36	37	41	40	42	57	42	43	37	47	44	48	39	42	40.0	2200 EST
MILLERS 4NE MILLER	37	31	45	33	27	29	29	48	37	41	41	56	41	42	34	39	35	37	35	43	42	41	59	59	45	36	48	45	47	39	44	40.8	1800 EST
WESTMINSTER CITY MULLER	39	37	46	35	29	30	32	46	39	42	47	56	38	45	33	42	37	38	38	43	41	42	59	50	46	39	51	46	50	41	46	42.0	1900 EST
BRYANS ROAD 2 ESE BRUMBACK	44	44	52	41	33	34	36	50	43	56	51	66	46	54	38	45	41	42	41	49	46	46	63	53	52	38	58	49	55	44	52	47.1	2400 EST
EMMITSBURG 2 SE GLASS	45	39	41	47	35	27	29	32	46	36	41	54	59	33	46	33	42	36	39	35	43	41	43	59	48	47	38	46	46	49	37	41.7	0700 EST

ACON MD / DE / DC
DECEMBER 2007 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	
FREDERICK 3 WNW LAWRENCE	42 29	40 32	46 34	35 24	29 22	29 9	31 10	48 31	40 35	42 36	49 40	58 38	40 32	46 29	33 25	40 31	36 26	39 21	36 26	43 23	42 28	43 37	54 38	50 34	47 27	38 26	48 35	46 28	50 30	39 26	47 28	42.1 28.7	2300 EST	
EAGLE ROCK HARVEY	40 12	34 22	34 20	24 18	22 6	26 10	26 20	40 30	59 40	52 32	52 46	56 50	42 22	32 20	34 22	34 14	24 12	34 20	30 22	40 22	40 22	32 24	42 20	52 24	38 28	40 28	42 28	42 28	48 30	42 28	36 28	38.4 23.9	0800 EST	
LAUREL JHU / APL GIANNOLA	39 33	42 32	48 34	35 27	29 24	31 16	34 15	51 32	41 37	47 38	50 42	58 40	41 32	47 32	34 29	42 31	36 25	40 21	44 31	42 30	43 31	61 40	47 33	49 30	37 30	37 30	52 34	46 30	51 37	40 30	50 32	43.5 31.1	2400 EST	
POTOMAC 4N COHEN	40 26	41 36	47 37	37 28	30 24	30 15	34 16	57 34	42 35	49 40	49 45	56 44	46 36	48 34	35 27	42 33	37 27	39 20	39 32	43 24	42 29	44 35	59 42	50 29	51 32	39 30	51 35	45 28	52 38	40 31	48 30	43.9 31.4	2100 EST	
OLNEY 1 S GIANNOLA	42 29	41 32	46 34	37 26	30 23	31 16	33 17	48 32	41 37	47 39	48 42	56 40	41 34	47 29	35 27	41 31	37 25	39 19	40 31	44 25	>	>	>	>	>	60 29	51 33	46 29	51 35	40 31	47 31	43.0 29.8	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	40 28	42 33	48 34	36 28	30 25	30 16	35 16	49 33	41 38	49 41	50 43	59 42	48 35	35 32	41 28	36 27	40 21	39 30	43 25	43 32	45 39	60 42	48 31	48 31	39 30	52 36	47 39	52 37	41 32	48 32	43.8 31.8	2400 EST		
GLENMONT 1NNE ROSSEN	42 23	43 32	49 35	40 26	30 15	35 15	34 33	52 37	42 41	49 43	50 43	58 43	43 35	50 30	36 27	42 32	39 25	42 18	41 30	46 24	43 29	45 39	61 42	49 29	52 29	38 28	54 32	47 27	53 34	41 30	52 31	45.1 30.3	2400 EST	
BETHESDA SCAFIDE	41 30	42 33	49 34	37 26	30 25	31 17	34 21	50 34	42 38	49 41	49 43	60 43	43 35	49 32	36 29	44 32	37 27	41 24	40 32	45 29	44 35	44 39	61 42	49 30	49 33	39 33	53 35	47 31	53 40	42 35	49 31	44.4 32.5	2400 EST	
GAITHERSBURG 2WNW SHAW	42 27	42 34	47 33	37 26	31 23	33 14	33 15	50 33	43 38	49 41	50 43	57 41	49 35	34 31	42 29	37 33	38 24	38 19	45 30	43 27	45 31	60 38	47 42	52 31	39 29	52 35	47 30	52 36	41 31	50 31	44.1 30.9	2400 EST		
FOREST GLEN TERRY	45 29	43 33	49 34	41 27	31 24	37 16	34 20	52 34	42 38	50 41	50 43	59 43	43 35	53 31	37 29	44 32	41 26	42 20	40 31	48 26	45 34	45 39	61 42	51 29	52 33	39 32	55 36	48 31	56 38	42 34	52 31	46.0 32.0	2400 EST	
ROCKVILLE 1NE WASH GAS LIGHT																																		2400 EST
OXON HILL SMITH	43 30	47 34	52 37	40 30	34 28	34 22	37 23	50 37	44 44	56 42	51 44	65 46	46 37	53 36	39 39	46 35	40 28	41 23	42 32	46 29	46 32	46 41	63 42	53 32	51 37	40 37	57 37	50 33	56 43	44 39	51 33	47.2 34.5	2300 EST	
HOLLYWOOD ABELL	45 28	47 35	54 36	43 31	37 27	35 24	39 22	52 37	46 36	58 41	52 44	72 47	47 38	54 36	41 30	48 36	42 29	41 25	45 35	48 28	47 32	48 39	63 44	56 31	52 35	42 32	58 36	50 34	56 43	44 37	53 36	48.9 34.3	2359 EST	
RIDGE ZYLA	46 30	52 39	56 34	45 31	39 25	33 26	41 31	52 39	48 42	54 44	53 45	72 38	45 40	48 34	47 34	48 34	43 28	41 28	46 34	45 34	46 38	51 43	61 40	54 35	47 37	41 39	57 39	60 42	54 39	44 37	53 37	49.1 36.0	2400 EST	
SMITHSBURG 1.5 SW HUTTO	52 29	39 32	47 34	34 26	31 20	30 6	32 8	49 31	49 35	43 36	47 40	59 34	38 32	44 30	35 26	41 29	35 22	40 18	36 26	43 25	42 26	44 38	56 39	47 33	48 26	39 26	49 36	56 29	50 30	40 26	47 30	43.0 28.3	2400 EST	
HAGERSTOWN 1E KEEFER	41 29	39 32	47 33	34 25	29 21	30 9	32 10	49 31	39 35	43 36	48 40	58 36	38 32	45 30	35 27	41 29	35 23	40 19	36 27	42 25	41 28	43 38	53 39	47 34	46 27	38 27	48 35	45 29	50 30	39 27	46 29	41.8 28.8	2400 EST	
SMITHSBURG 2 NE VAUGHN	40 29	40 32	47 33	33 26	28 21	32 12	25 31	47 36	42 37	44 40	48 37	61 40	39 32	42 32	34 30	40 25	34 23	38 30	37 30	41 30	40 33	42 37	57 38	46 33	46 32	41 32	48 35	45 33	48 39	40 29	46 32	41.9 31.0	2400 EST	
SALISBURY NWS WICOMICO CO APT	44 19	55 32	57 35	40 28	33 17	30 11	39 10	49 29	50 30	62 40	51 44	70 46	50 37	46 25	46 26	60 36	41 22	40 15	47 25	46 23	47 27	52 43	63 47	56 28	49 26	44 25	52 27	52 23	63 41	46 34	51 27	49.4 29.0	2400 EST	
WASH NATIONAL NWS ASOS	45 35	46 36	53 37	42 31	33 29	34 23	38 27	48 37	44 41	54 42	51 44	64 47	47 38	55 37	40 34	49 36	41 30	41 27	42 34	49 31	46 36	47 41	64 44	53 35	52 37	41 36	58 35	50 41	56 39	45 34	47 35	47.7 35.9	2400 EST	
WASH DULLES NWS ASOS	43 27	43 33	52 35	39 25	32 24	32 13	27 15	51 33	45 39	48 42	51 43	61 44	44 38	44 35	52 28	37 33	41 29	41 20	46 29	45 25	45 30	45 39	60 42	50 27	52 29	39 28	54 32	48 27	55 38	43 32	50 30	45.7 31.0	2400 EST	
STERLING 4 N SHAFFER	47 30	42 34	52 35	39 28	33 26	34 19	34 19	51 33	44 38	47 40	51 43	57 45	44 39	54 36	37 31	44 31	39 28	41 22	40 32	44 25	46 31	46 39	58 42	52 29	51 32	39 31	52 34	47 30	56 38	41 33	51 32	45.6 32.4	2400 EST	
DAVIS 3 SE WV LESHER	37 17	36 17	51 27	27 14	19 15	26 3	25 3	34 25	48 33	53 47	54 47	57 51	55 33	46 29	30 21	35 22	35 14	16 11	28 15	31 15	33 15	32 27	45 30	50 21	31 21	37 21	40 31	40 30	47 31	36 29	37 26	37.8 23.9	0700 EST	

**ACON MD / DE / DC
DECEMBER 2007 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		1.06 T	0.10 T		0.24 4.0		0.04 0.1	0.12	0.11	0.12	0.01		0.25		0.03	1.03					0.01	T	0.70			0.19	0.02	0.34	0.30	0.25	0.17	5.09 4.1	2400 EST
WILMINGTON, DE NWS NEW CASTLE CO APT		1.04 T	0.15 T		0.15 4.0		0.03 0.1	0.15	0.11	0.14			0.28		0.03	1.00					0.01		0.54			0.14	0.01	0.24	0.39	0.23	0.18	4.82 4.1	2400 EST
NEWARK AG FARM, DE U OF DE DEOS		1.18	0.13			0.06	0.11	0.28	0.16	0.17	0.01		0.35		0.05	1.08					0.02		0.61			0.38	0.04	0.33	0.30	0.24	0.17	5.67	2400 EST
TOWNSEND 4 W, DE U of D DE Townsend Farm		0.91	0.12			0.17	0.04	0.26	0.15	0.20			0.28		0.02	1.17							0.39			0.12	0.01	0.31	0.60	0.29	0.14	5.18	2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT		0.23	0.10	T	0.19	T	T	0.09	0.05	0.01			0.04		0.11	1.24			T				0.35			0.41		0.05	0.61	0.56	0.04	4.08 -	2400 EST
GEORGETOWN, DE UofD RESEARCH & ED CTR		0.20	0.12			1.0	2.0	0.14	0.07	0.02	0.01			0.01	0.12	1.17							0.34			0.45		0.05	0.46	0.53	0.03	3.72	2400 EST
HARBESON 8 S, DE UofD WARRINGTON FARM		0.22				0.13	0.08	0.04	0.05	0.01			0.02		0.08	1.30							0.31	0.04		0.35	0.01	0.03	0.37	0.17	0.19	3.40 0.0	2400 EST
FROSTBURG LATTA		T	0.94 T	0.15 3.1	0.03 0.8	0.30 3.8	T T	0.14 T	0.43	0.60	0.06	0.01	0.10	0.90		0.60 0.6	0.18 1.5	T T					0.05	0.30	T			T	0.54		0.09 0.6	5.42 10.4	0700 EST
LAVALE MULLINS**		0.76 T	0.20 T	0.03 0.5	0.32 4.5		0.08 T	0.03	1.06	0.03	0.08		0.76		0.57 0.5	0.13 0.2	0.01 0.1						0.35			T	0.60			0.13 T		5.14 5.8	2400 EST
PASADENA 2 N HANSON		0.45	0.03			0.23	0.09	0.20	0.02	0.04	0.01		0.09		0.16	1.08							0.17			0.54		0.37	0.11	0.24	0.06	3.89 4.3	2400 EST
LOTHIAN JUG BAY			0.34			2.0		0.15	0.40	0.80	0.10	0.10	0.20	0.90		0.88	0.14						0.20	0.16	0.10		0.32	0.10	0.64	0.10	0.42	6.05 2.0	0900 EST
BWI NWS ASOS		0.46 T	0.03 T	T T	0.31 4.7		0.06 0.1	0.17	0.08	0.03	T		0.05		0.14	0.93						T	0.27			0.56	T	0.48	0.18	0.23	0.05	4.03 4.8	2400 EST
LAUREL 2 E STOUDT		0.41	0.06	T T	0.35 4.5	T	0.06	0.15	0.09	0.03	T	T	0.06		0.17	0.90							0.20			0.52		0.48	0.12	0.25	0.05	3.90 4.5	2400 EST
PARKTON 5SW KREINK		0.22 T	0.60	0.03 0.6	0.31 5.2	T T		0.11	0.09	0.28	T		0.29			1.35						0.33				0.13 T		0.45	0.11 T	0.39	4.69 5.8	2200 EST	
OWINGS MILLS 2SE SHARROW		0.74 T	0.16 T		0.29 4.4		0.50 T	0.19	0.16	0.12	0.40	T	0.80		0.12 T	0.71 T		T				T	0.39			0.20	T	0.31	0.12	0.26	0.20	5.67 4.4	2400 EST
BALTIMORE 2SE MANFRE		0.52	0.04		0.29 4.1		0.05	0.20	0.09	0.12	T		0.09		0.14	0.99						T	0.25			0.49	T	0.43	0.12	0.27	0.05	4.14 4.1	1800 EST
BALT INNER HARBOR MD SCIENCE CENTER		0.59	0.03		0.25		0.04	0.20	0.09	0.12			0.09		0.12	0.92							0.28			0.56		0.39	0.11	0.20	0.06	4.05 -	2400 EST
MANCHESTER 1SW CLOSE		0.95 T	0.03 T	0.04 1.3	0.37 6.5	T 0.1	0.02 0.4	0.19	0.34	0.11	0.02	0.01	0.29 T		0.13 T	1.18 T			T				0.32			0.09		0.40	0.04	0.39	0.04 T	4.96 8.3	2300 EST
WESTMINSTER 4 SSE HARTSOCK		0.09	0.81		0.28 4.8	T 0.1	0.01 0.2	0.34	0.09	0.28	0.01	0.04	0.22			1.60 T	T T						0.42			0.10	T		0.54	0.50		5.33 5.1	2000 EST
WESTMINSTER 5 SSE KLEIN		0.38	0.52		0.24 6.5		0.02 0.3	0.30	0.24	0.14		0.04	0.23			1.33							0.33			0.10		0.07	0.40	0.25	0.28	4.87 6.8	2200 EST
MILLERS 4NE MILLER		0.20 T	0.75 T	0.04 0.8	0.29 6.0	0.02 0.3	0.03 0.4	0.14 T	0.08	0.26	0.02	0.02	0.34 T	T		1.34	T T		T T				0.47			0.12 T	0.02	T	0.43	0.09 T	0.35 T	5.01 7.5	1800 EST
WESTMINSTER CITY MULLER		0.15 T	0.74 T	T T	0.26 5.2	T T	0.03 0.6	T	0.23	0.22	0.02	0.03	0.16		T	1.14 T							0.29			0.08		0.03	0.51	0.14 T	0.26 T	4.29 5.8	1900 EST
BRYANS ROAD 2 ESE BRUMBACK		0.28	0.20		0.20 1.8		0.40	0.16	0.10	0.60			0.40		0.13	0.80							0.24			0.31		0.46	0.12	0.39	0.10	4.89 1.8	2400 EST
EMMITSBURG 2 SE GLASS			1.07			M 4.0		T	0.28	0.28	0.10	0.01	0.13	0.15		1.32							0.24	0.26			0.07		0.64		0.64	5.19 4.0	0700 EST

ACON MD / DE / DC
DECEMBER 2007 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												
FREDERICK 3 WNW LAWRENCE	0.02 0.1	0.93 0.1	0.07 T		0.30 4.7		0.04 T	0.25	0.27	0.08	0.01	0.01	0.16		0.44 T	0.94 T								0.26			0.05		0.43	0.05	0.44		4.75 4.9	2300 EST											
EAGLE ROCK HARVEY			1.50 0.5	0.35 7.5	0.15 2.0	0.25 6.0	0.05 5.0	0.30	0.30	0.75	0.25	0.10		0.55		1.05 2.0	0.08 2.0	0.10 2.0	T												0.03		T		0.80		0.10 0.5	0800 EST							
LAUREL JHU / APL GIANNOLA		0.41	0.02 T		0.31 4.0		0.01 .	0.20	0.09	0.03	T		0.07		0.13	0.82																	0.47		0.29		0.35	0.09	0.19	0.03	3.51 4.0	2400 EST			
POTOMAC 4N COHEN		0.23	0.28 T	T	0.36 4.2		0.02	0.18	0.05	0.16	0.02		0.07		T	1.10																	0.30		0.27		0.15	0.32	0.33		3.84 4.2	2100 EST			
OLNEY 1 S GIANNOLA	T T	>	0.48 T	T	0.35 4.5		0.03	0.15	0.12	0.05	0.01		0.05		>	1.09																	0.31		0.22	T	>	0.50	>	0.25	3.61 4.5	2400 EST			
MONTGOMERY VILLAGE ROTH 1SW		0.30	0.17		0.25		0.04	0.19	0.18	0.09	0.02		0.11	0.02	0.30	0.73																	0.31		0.20		0.19	0.20	0.29		3.59 0.0	2400 EST			
GLENMONT 1NNE ROSSEN	T T	0.46 T	0.01		0.39 4.8		0.05 0.1	0.13	0.12	0.05	0.01		0.05		0.21	0.85											T	0.39					0.37		0.39	0.06	0.23	0.02	3.79 4.9	2400 EST					
BETHESDA SCAFIDE		0.35			M	0.08		0.19	0.15	0.04			0.04	0.01	0.20	0.63																	0.02		0.32		0.34	0.05	0.26	0.01	2.69 -	2400 EST			
GAITHERSBURG 2WNW SHAW	T T	0.46 T	T T	T T	0.30 4.1		0.03 T	0.18	0.14	0.08	0.01		0.06		0.34	0.85																	0.25		0.14		0.25	0.09	0.27	0.01	3.46 4.1	2400 EST			
FOREST GLEN TERRY	T T	0.38	0.02		0.38 4.2		0.06 T	0.14	0.14	0.04	0.01		0.05		0.19	0.89 T																		0.40		0.39		0.43	0.07	0.25	0.03	3.87 4.2	2400 EST		
ROCKVILLE 1NE WASH GAS LIGHT																																										2400 EST			
OXON HILL SMITH	T T	0.33	0.02	T T	0.23 2.3		0.03	0.17	0.13	0.07			0.04		0.10	0.86																		T	0.22		0.37		0.61	0.15	0.26	0.07	3.66 2.3	2300 EST	
HOLLYWOOD ABELL		0.49	0.03		0.24 0.8		0.02	0.06	0.03	0.01			0.01		0.18	0.83																			T	0.19		0.36		0.14	0.61	0.59	0.05	3.76 0.8	2359 EST
RIDGE ZYLA		0.55			0.30 1.1		0.01	0.03	0.01	0.01					0.36	0.79																			0.21		0.57		0.18	0.56	0.62		4.20 1.1	2400 EST	
SMITHSBURG 1.5 SW HUTTO	0.01	0.92 T	0.01		0.20 4.0			0.04 T	0.50	0.03	0.02	T	0.26		0.41 0.2	1.45 0.1																		0.30		0.02 T		0.44	0.06	0.74 T		5.41 4.3	2400 EST		
HAGERSTOWN 1E KEEFER		0.89 T	0.01 T		0.29 4.0		T T	0.07 T	0.67	0.04	0.04	0.01	0.24		0.37 T	1.40 0.1	T T																	0.32		0.03 T		0.45	0.04	0.75 T	0.01	5.63 4.1	2400 EST		
SMITHSBURG 2 NE VAUGHN		0.91 T	T T	T T	0.33 3.8			0.09	0.54	0.12	0.01	0.01	0.25		0.18 T	1.44 T	T T																		0.21		0.04		0.41	0.07	0.83 0.5	0.16 T	5.60 4.3	2400 EST	
SALISBURY NWS WICOMICO CO APT		0.15	0.09	T T	0.10 T	T T	T T	T	0.05	T			T		0.20	1.15																			0.43		0.56		0.13	0.63	0.50	0.04	4.03 T	2400 EST	
WASH NATIONAL NWS ASOS	T T	0.28	0.02	T	0.22 2.6		0.09 T	0.13	0.15	0.07	T		0.02		0.15 T	0.72																			T	0.26		0.32		0.51	0.11	0.22	0.01	3.28 2.6	2400 EST
WASH DULLES NWS ASOS		0.31	0.01		0.22 2.5		0.04 T	0.19	0.23	0.03	0.01		0.03		0.30 T	0.68																			0.30		0.12	T	0.28	0.04	0.18	T	2.97 2.5	2400 EST	
STERLING 4 N SHAFFER		0.37	0.02 T		0.32 4.3		0.01 T	0.20	0.21	0.11	0.02	0.01	0.06	0.01	>	1.35 T																			0.20		0.13 T		0.25	0.02	>	0.33 T	3.62 4.3	2400 EST	
DAVIS 3 SE WV LESHER		T T	1.51 T	0.65 7.7	0.28 3.8	0.44 6.4	0.03 0.2	0.27 0.1	0.24	1.12	0.50	T	0.72	0.53	T T	0.79 T	0.50 5.9	0.13 1.9																	0.09 1.3		T		0.04	0.69	T	0.18 0.3	8.99 27.6	0700 EST	