



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

## COLDEST JANUARY IN 10 YEARS PERSISTANT COLD FREEZES LOCAL WATERWAYS

January 2004 was cold, snowy and dry. The warmth of the first 5 days were quickly forgotten.

New Years arrived on a mild note with temperatures in the 40's and lower 50's across the region. By the 3rd and the 4th temperatures rose into the 60's and lower 70's across all but the northern and far western regions.. Greg Keefer of Hagerstown 1 E reported a daily record of 66 on the 3rd.

Persistent cold set in on the 6th and lasted through the end of the month. Waterways froze over for the second consecutive January. (Pictures on page 3.)

The evening of the 23rd and the morning of the 24th, an Alberta Clipper was forecasted to drop a dusting to an inch. Another storm followed on the 26th and 27th. Below is the edited summary written by Herb Close of Manchester 1 SW, Carroll County, MD.

The snow was not forecast to start until after midnight. Light snow began to suddenly break out over south central PA and north central MD between 8:30 PM and 9 PM even as the leading edge of the snow on radar was just entering Pittsburgh PA and Garrett County MD. By 9:15, there was a light dusting on the cars and the driveway. Between 9:30 - 10, the snow picked up and the visibility lowered. By 10:30 I had 1/2" of new snow and the snowing was moderately to heavy. By 11 1.1" of snow had fallen and the visibility was 1/8 mile. By 2 AM of the 24th, 4.1 inches of snow had fallen, by 2:30, 4.4", and by 7 AM, 6.0". At 7 AM the snow had stopped. By 8:30 light to moderate snow began again and continued until a little after 1 PM. Another 0.8" of snow for a storm total of 6.8".

The areas of heavy snow over south central Pa and north central MD remained stationary during the snow event thus the heavier snowfalls. Plus, even though there was very little moisture with the Alberta Clipper, temperatures during the storm were only between 13F and 11F here at Manchester 1SW giving ratios of 30 to 1. The 30 to 1 ratio was the same with melted gage precipitation and the core sample.

After a low of zero and a high of 18 on the 25th, it was time for the next "bigger" storm to hit. The second storm began around the same time as the Alberta Clipper did, at around 8:45 PM. But at 8:58, the snow stopped and did not start again until 9:58. It was a very light snow with small flakes. Light snow continued until between 10:30 to 11, then snow suddenly became heavy! At 11:08, 0.3" snow had fallen, by 11:23, almost 1" snow. At 11:44, very heavy snow was falling and the visibility was down to 1/16 mile! By 11:52, 1.8" snow had fallen. Between 11:45 to 11:55, 1/2" snow fell in 10 minutes (snowfall rate of 6"/ hr) and between 11:45 to 12:00 AM, 3/4" snow fell in 15 minutes (snowfall rate of 3"/ hr). These snowfall rates were brief however. By 1:08 AM of the 26th, I had 4.0" of new snow and by 2:04 6.0" of new snow, (snowfall rate of almost 2"/ hour between 11PM and 2AM.) At 2:20 heavy snow was still falling and the visibility was 1/16 mile. At 5:23 AM, the snow had tapered off and the visibility was over 2 miles. I had 7.3" of snow from this storm. This storm was wetter with the melted precipitation of 0.63" taken from a core sample. Light snow, drizzle, freezing drizzle and light freezing fog would continue for the rest of the day and night of the 26th into the 27th.

On the 27th, there was rime ice on the trees and bushes making them all white along with



Jim Vaughn's of Smithburg 2NE driveway. Photo by Jim Vaughn

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Jug Bay Wetlands	76
Oxon Hill	74
Forest Glen	73

##### MINIMUM TEMPERATURE

Eagle Rock	-12
Davis 3 SE WV	-8
Frostburg	-5

##### WARMEST AVG. TEMP.

Ridge	31.9
Hollywood	31.6
Oxon Hill	30.1

##### COLDEST AVG. TEMP.

Eagle Rock	17.9
Davis 3 SE, WV	18.4
Frostburg	20.8

##### MAXIMUM PRECIPITATION

Davis 3 SE, WV	6.11
Eagle Rock	5.20
Frostburg	3.26

##### MINIMUM PRECIPITATION

Millersville 1 SE	1.38
Baltimore 2 SE	1.41
Bear 2 SW DE	1.62

##### MAXIMUM SNOWFALL

Davis 3 SE WV	55.4
Eagle Rock	50.3
Frostburg	27.9
Frostburg	23.5

1/8" to 1/4" of glaze ice which was very hard to scrape off the car. Moderate to heavy snow fell again at 4 to 5 PM then light snow fell the rest of the evening. Another 2.5" snow fell for the day.

On the 28th, there was still rime ice and glaze on the trees and bushes. Winds 20 -40 mph blew and drifted the snow to drifts to 25" deep in the back yard. 16.6" snow fell in 5 days from the 23rd to the 27th.

# OBSERVER COMMENTS FOR JANUARY 2004

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

Nighttime winds prevented the temperature from falling rapidly at nights with snow cover. 20 days with the maximum temperature 32. The record for any month is 21 days set in January 1977. 9 consecutive days with the maximum temperature 32 or below is the greatest for any January since 1970. 13 days with maximum temperature in the 20's tied January's record set in 1977. 10 days with measurable snowfall broke the January record of 9 set in 1979.

**27th** - Lightning and a period heavy freezing rain and sleet around ~ 7 PM.

## **Nate Mullins of LaVale**

**24th** - Dry powdery 4.0" of snow melted down to 0.14" water.

## **Dave Bryant of St Margarets**

Very mild the first five days. Beginning late on the 6th the weather turned much colder which lasted till months end.

## **Al Kreinik of Parkton 5 SW**

**18th** - Snow, sleet, freezing rain and rain.

**28th** - Drifting and blowing snow. Some roads partially blocked.

## **Joe Manfre of Baltimore 2SE**

**6th** - Much colder in the PM.

## **Marty Sharrow of Owings Mills**

**6th** - Heavy afternoon snow squall, windy, colder.

## **Herb Close of Manchester 1 SW**

This was the third snowiest Jan and the second coldest January on record.

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

**10th** - Early dusting of snow, cold, clearing and much colder.

**15th** - Coating of snow, much colder, wind advisory.

**31st** - Sunny and bitter cold.

## **Greg Klein of Westminster 5 SSE**

**10th** - Exceptionally cold day with high of 12 and low of -1.

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

Record 21 days with max temperature 32 degrees or below.

**3rd** - Balmy. Some dandelions and forsythias in bloom!

**10th** - Sub zero. First sub zero temperatures in two consecutive Januarys since 1984 & 1985.

## **Manuel Farfan of Frederick 4 N**

**18th** - Snow overnight changed to sleet and freezing rain, then to rain after 9 AM and then changed back to snow around 1 PM but no additional accumulation. Windy late at night with falling temps

## **Rebecca Harvey of Eagle Rock**

**30th** - 24" of snow on the ground.

## **Rich Giannola of JHU/APL**

**27th** - Anemometer wind propeller freezes at 3:45 AM and does not thaw until 1:30 PM on the 28th.

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

Record 17 days with maximum temperature 32 or below.

Old record of 16 days set in February 1979.

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

**27th** - Freezing drizzle / rain leaves a 1/4" coating by mid afternoon.

## **Stan Rossen of Glenmont 1 NNE**

**1st** - The New Year arrived under clear skies with the temperature at exactly freezing.

**27th** - The very light snow grains continued past 12:40 A.M., but by 1:00 A.M. had changed back to light freezing drizzle. The freezing drizzle continued, moderately at times, throughout the night and much of the day until a light mix of freezing rain and ice pellets arrived before 4 P.M. The mix continued past 5 P.M. when it changed over to snow leaving a .1" coating of ice pellets on top of the ice that covered the snow. The snow fell moderately for a short time early on before tapering. It eventually tapered to flurries that lingered past 9:30 P.M. before finally ending nearly 50 consecutive hours of precipitation. The snow added another .8" on top of the ice.

**Kevin Shaw of Gaithersburg 2 WNW** This was the coldest January since 1994. I had 19 days with maximums of 32 or less, which is an all-time record. Precipitation was predictably below normal, with the greatest amount on the 26th.

## **Joe Terry of Forest Glen**

Very cold and dry. Driest month since February 2002. After a warm start persistent cold dominated. One prolonged snow / ice event this month.

**4th** - Unusually warm, 73 deg. Max dewpoint 60 degrees.

**25th** - Moderate to heavy evening snow fell at 1.5" per hour.

**27th** - Ice pellets changed to freezing drizzle as temps warmed to near 30. 0.1" of ice accumulation. Colder late with precipitation changing to ice pellets then snow. 48 hours of near continuous frozen or freezing precipitation.

## **Bill Hudelson of South Bowie**

**14th** - Mostly broken overcast, 6 flakes of snow.

## **Brian Smith of Oxon Hill**

**31st** - A truly ugly month is over forever!

## **Floyd Abell of Hollywood**

**17th** - Variable clouds - evening sleet & freezing rain - slippery areas.

## **Greg Keefe of Hagerstown 1 E**

**3rd** - Record high of 66. Old record was 65 set in 2000.

**10th** - Very cold morning low of 3 degrees. Wind chills to -20 overnight.

**25th** - Very cold morning low of 2 degrees. Afternoon high of 15. Snow began around 7 PM. 3" fell by midnight.

**31st** - Mostly sunny but cold and continued windy caused blowing and drifting snow.

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

Set new January wind record of 14 days where the wind gusted to 40+ mph for any month (old record 12 days set in December 2002). It was the fourth coldest and fifth snowiest January, and the driest month is nearly 2 years.

## **Lance Shaffer of Sterling 4 N VA**

**2nd** - Rain early AM.

**30th** - Sun returns with gusty winds.

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

Snow depth ranged from 0" on the 4th to 23" on the 30th & 31st.

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.

# JANUARY 2004 WEATHER PICTURES



CHRISTINA RIVER AND CHURCHMANS MARSH FROM I-95 SOUTHBOUND BETWEEN EXITS 4 & 5 (CHRISTIANA MALL AND NEWPORT, DELAWARE)



CHRISTINA RIVER LOOKING NORTHWEST TOWARDS THE WILMINGTON DE SKYLINE



I-495 BRIDGE OVER CHRISTINA RIVER, WILMINGTON, DELAWARE..



ICE FLOWS ON THE DELAWARE AND CHESAPEAKE CANAL NEAR THE DELAWARE / MARYLAND LINE



ICE FLOWS ON THE CHESAPEAKE AND DELAWARE CANAL IN CHESAPEAKE CANAL, CHESAPEAKE CITY, MD. SCHAFER CANAL HOUSE IS IN THE BACKGROUND.



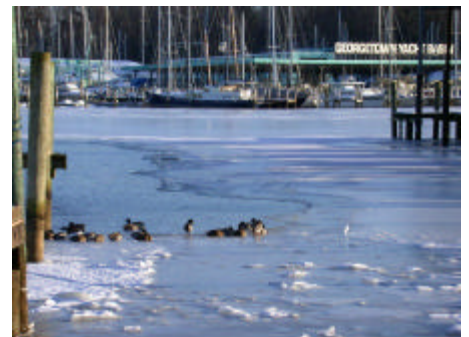
TWO ICE FISHERMAN ON THE NORTHEAST RIVER, NORTHEAST, MD. ICE 12" THICK



LOOKING NORTHWEST ACROSS THE FROZEN UPPER CHESAPEAKE BAY TOWARDS THE MOUTH OF THE SUSQUEHANNA RIVER FROM NEAR TURKEY POINT IN ELK NECK STATE PARK. DISTANCE ~7 MILES.



BOHEMIA RIVER FROM MD RT 213 BRIDGE LOOKING WEST CECIL COUNTY, MARYLAND



DUCKS ON THE SASSAFRAS RIVER AT FREDERICKTOWN, MD

**ALL PICTURES ON THIS PAGE TAKEN BY GARY GALLAHER, BEAR 2 SW DE, ON JANUARY 31, 2004**

**ACON MD / DE / DC  
JANUARY 2004 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
<u>New Castle, Delaware</u>																									
Canavan, Jim	Wilmington 4 NNE	31.2	18.2	24.7	58	3	0	12	0	17	21				2.00	0.65	26	2.00	6	0	<u>9.9</u>	4.5	26	<u>19.2</u>	2400
Gallaher, Gary	Bear 2 SW	32.4	18.6	25.5	55	4	2	25	0	20	28	44	NW	15	1.62	0.40	18	1.62	12	0	10.1	3.3	26	24.1	2400
NWS Wilmington	New Castle Co. Apt.	31.8	18.9	25.4	56	4	4	10+	0	20	27	37	WNW	28	1.66	0.41	18	1.66	12	0	9.8	3.6	26	16.3	2400
U of D DE Climatologist	Newark Pearson Hall	32.3	19.8	26.1	56	4	5	10	0	0	1	37		16	<u>0.82</u>	0.45	18	<u>0.82</u>	4	0					2400
<u>Sussex, Delaware</u>																									
NWS Georgetown	Sussex Co. Airport	36.9	22.3	29.6	70	4	6	11	0	15	27	39	W	28	2.16	0.84	18	2.16	8	0					2400
U of D Research & Ed Ctr.	Georgetown	36.7	22.3	29.5	69	4	7	11	0	14	27				<u>2.04</u>	0.99	18	<u>2.04</u>	4	0	<u>5.5</u>	5.0	26	<u>6.0</u>	2400
U of D Warrington Farm	Harbeson 8 S	36.8	21.5	29.2	70	4	7	11	0	14	27				<u>2.19</u>	1.02	18	<u>2.19</u>	5	1	<u>6.0</u>	5.0	26	<u>8.0</u>	2400
<u>Allegany, Maryland</u>																									
Latta, Greg	Frostburg	29.0	12.5	20.8	63	4	-5	25	0	20	28				3.26	0.70	26	3.26	17	0	27.9	6.4	26	51.4	0700
Mullins, Nate	LaVale	32.3	17.2	24.8	70	3	0	25	0	20	27				3.09	0.67	27	3.09	14	0	21.3	5.5	27	41.3	2400
<u>Anne Arundel, Maryland</u>																									
Bryant, Dave	St. Margarets	36.9	21.0	29.0	68	4	9	10	0	16	27				1.95	0.53	27	1.95	9	0	7.8	4.0	25	17.1	2400
Hanson, Dan	Millersville 1 SE	35.6	19.5	27.6	68	4	4	11	0	17	27	41	NW	15	1.39	0.52	18	1.38	8	0	7.8	3.0	25	16.3	2400
Jug Bay Wetlands	Lothian	38.2	19.0	28.6	76	5	5	11	0	16	28				1.69	0.43	26	1.69	8	0	<u>3.8</u>	3.8	26	<u>7.8</u>	0900
NWS Baltimore	BWI Airport	34.8	20.3	27.6	63	4	6	10	0	17	27	38	W	28	1.26	0.34	5	1.26	7	0	8.4	3.3	25	18.0	2400
Stoudt, Jeff	Laurel 2 E	34.6	20.7	27.7	68	4	5	10	0	19	27				1.99	0.47	25	1.99	8	0	9.1	4.8	25	17.5	2359
<u>Baltimore, Maryland</u>																									
Kreinik, Al	Parkton 5 SW	32.9	17.1	25.0	65	3	-3	25	0	21	28	52	NNW	15	1.87	0.51	26	1.87	11	0	16.4	6.5	26	30.5	2200
Sharrow, Marty	Owings Mills 2 SE	32.2	17.5	24.9	61	4	-1	10	0	19	26				1.93	0.47	26	1.93	13	0	12.5	5.5	26	29.5	2400
<u>Baltimore City, Maryland</u>																									
Manfre, Joe	Baltimore 2 SE	35.3	23.4	29.4	64	4	7	10	0	17	25				1.41	0.33	18	1.41	10	0	8.2	3.0	25	19.4	1800
Maryland Science Ctr	Baltimore Inner Harbor	34.8	23.1	29.0	63	4	7	10	0	17	26				1.08	0.35	18	1.08	5	0					2400
<u>Carroll, Maryland</u>																									
Close Jr, Herb	Manchester 1 SW	31.9	16.3	24.1	63	3	-1	10	0	20	26	43		6	2.11	0.60	26	2.11	12	0	19.5	7.0	26	34.5	2300
Hartsock, Ralph	Westminster 4 SSE	32.7	17.5	25.1	63	4	0	10	0	20	28	42	WNW	28	1.82	0.53	26	1.82	8	0	13.9	5.7	26	29.9	2000
Klein, Greg	Westminster 5 SSE	29.8	15.6	22.7	59	4	-1	10	0	21	27				1.86	0.52	26	1.86	9	0	15.8	6.0	26	34.3	2200
Miller, Bobby	Millers 4 NE	32.6	17.5	25.1	64	3	-1	10+	0	20	26	38	NW	14+	2.14	0.69	18	2.14	9	0	18.8	7.5	26	33.8	1800
<u>Frederick, Maryland</u>																									
Farfan, Manuel	Frederick 4 N	33.2	20.0	26.6	57	3+	4	25	0	18	26				1.88	0.48	26	1.88	12	0	16.5	4.7	26	31.0	2400
<u>Garrett, Maryland</u>																									
Harvey, Rebecca	Eagle Rock	28.1	7.7	17.9	60	4	-12	31	0	21	28				5.20	1.20	28	5.20	21	1	50.3	12.0	28	96.9	0800
<u>Harford, Maryland</u>																									
Albright, Lynn	Fallston 2 NW	34.0	16.1	25.1	60	4	2	10	0	18	27	25	ESE	15	1.90	0.40	26	1.90	9	0	13.4	4.8	26	30.9	2400
<u>Howard, Maryland</u>																									
Giannola, Rich	Laurel JHU / APL	32.7	19.1	25.9	69	4	2	10	0	18	25	42	NW	16	1.78	0.44	25	1.78	7	0	8.1	6.0	25-26	22.3	2400

**ACON MD / DE / DC  
JANUARY 2004 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	
<u>Montgomery, Maryland</u>																										
Cohen, Rob	Potomac 4 N	35.5	20.9	28.2	70	4	5	10	0	18	27				1.96	0.55	26	1.96	8	0	7.3	5.1	26	18.9	2100	
Giannola, Rich	Olney 1 S	34.2	19.6	26.9	69	4	4	10	0	18	27				1.78	0.66	25-26	1.78	7	0	8.7	6.0	25-26	22.2	2400	
Roth, David	Montgomery Village 1SW	35.4	21.9	28.7	68	4	5	10	0	15	27	22		14+	1.63	0.35	25	1.63	11	0	8.6	3.3	25	21.0	2400	
Rossen, Stan	Glenmont 1 NNE	35.6	20.2	27.9	71	4	6	10	0	18	27	21		7	1.96	0.49	25	1.96	8	0	8.4	4.8	25	19.5	2400	
Scafide, Tony	Bethesda	37.0	19.1	28.1	73	4	3	10	0	14	26	21	NNW	13	<u>0.68</u>	0.25	15	<u>0.68</u>	8	0					2400	
Shaw, Kevin	Gaithersburg 2 WNW	34.6	18.3	26.5	66	4	1	10	0	19	27				1.82	0.32	26	1.82	9	0	9.5	3.7	25	25.3	2400	
Terry, Joe	Forest Glen	37.0	21.4	29.2	73	4	6	10	0	16	26	37	WSW	16	2.00	0.48	25	2.00	7	0	7.2	4.4	25	17.0	2400	
Wash Gas Light	Rockville 1 NE	34.8	19.6	27.2	70	4	3	10	0	19	27				1.65	0.40	25	1.65	7	0	6.3	5.0	25	14.7	2400	
<u>Prince Georges, Maryland</u>																										
Hudelson, Bill	South Bowie	34.5	21.0	27.8	70	4	6	10	0	19	26	35	NW	15	1.92	0.53	18	1.92	8	0	6.5	3.7	25	13.6	2400	
Smith, Brian	Oxon Hill	37.7	22.5	30.1	74	4	7	10	0	15	26				1.84	0.48	18	1.84	9	0	6.2	2.5	25	12.9	2200	
<u>St. Marys, Maryland</u>																										
Abell, Floyd	Hollywood	39.7	23.5	31.6	72	4	8	11	0	13	27	33		15	2.77	1.16	18	2.77	9	1	4.5	3.2	25	6.7	2400	
Van Wie, Michael	Oraville																								2400	
Zyla, John	Ridge	39.8	23.9	31.9	71	3+	11	10+	0	12	26	28	NW	15	2.69	1.03	18	2.69	10	1	4.9	3.8	25	5.2	2400	
<u>Washington, Maryland</u>																										
Hutto, Max	Smithsburg 1.5 SW	32.8	18.0	25.4	67	3	0	25	0	26	26	39	W	6	1.89	0.48	18	1.89	13	0	18.8	5.2	24	32.3	2400	
Keefer, Greg	Hagerstown 1 E	31.7	18.1	24.9	66	3	2	25	0	20	27	42	NW	29	2.37	0.60	18	2.37	12	0	18.6	4.2	24	32.1	2400	
Vaughn, Jim	Smithsburg 2 NE	32.3	16.2	24.3	67	3	-1	10	0	21	26	49	WNW	6	2.25	0.54	18	2.25	13	0	19.7	6.2	24	34.8	2000	
<u>Wicomico, Maryland</u>																										
NWS Salisbury	Wicomico Co. Apt	38.2	20.9	29.6	69	4	5	11	0	13	28	44	NW	28	3.43	1.30	18	3.43	7	1	4.0	4.0	25	4.0	2400	
<u>York, Pennsylvania</u>																										
Rickell, Robert	Hanover 2 S, PA																								2100	
<u>Arlington, Virginia</u>																										
NWS Washington National	National Airport	37.7	23.3	30.5	72	4	8	10	0	15	26	40	N	16	1.35	0.35	18	1.35	8	0	6.2	3.5	25	12.4	2400	
<u>Loudon, Virginia</u>																										
Shaffer, Lance	Sterling 4 N	36.7	21.0	28.9	68	4	7	10	0	16	27				2.19	0.39	17-18	2.19	9	0	9.3	3.3	25	27.8	2400	
NWS Washington Dulles	Dulles Airport	36.2	19.9	28.1	73	4	2	29	0	16	27	38	WNW	19	1.41	0.31	25	1.41	8	0	6.0	4.0	25	17.4	2400	
<u>Tucker, West Virginia</u>																										
Leshner, Dave	Davis 3 SE WV	26.0	10.8	18.4	57	5	-8	31	0	23	28				6.11	0.64	24	6.11	23	0	55.4	8.6	24	119.4	1900	
SECTION AVERAGE*		34.5	19.4	26.9											2.26											

\*SECTIONAL AVERAGES DOES NOT INCLUDE  
DATA FROM WEST VIRGINIA.

**NOTES:**  
M OR UNDERLINE= MISSING DATA  
> = INCLUDED IN NEXT DAYS 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 04/09/04

**ACON MD / DE / DC**  
**JANUARY 2004 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																								
WILMINGTON 4NNE	41	48	58	55	48	41	25	31	27	12	27	38	M	M	M	M	M	M	33	26	26	26	39	23	24	20	20	24	27	22	22	31.2	2400																								
CANAVAN	28	35	41	45	35	29	15	17	21	0	3	14	M	M	M	M	M	M	18	19	14	16	10	11	1	5	18	23	14	16	8	18.2	EST																								
BEAR 2 SW, DE	49	47	52	55	45	40	28	31	31	17	30	43	45	26	24	27	34	36	31	29	29	42	19	23	20	21	28	26	29	24	24	32.4	2400																								
GALLAHER	25	31	42	40	39	21	17	20	9	5	3	30	26	17	11	9	17	26	21	21	16	17	13	13	2	15	21	19	5	14	11	18.6	EST																								
WILMINGTON, DE	49	47	53	56	44	40	27	31	30	18	29	41	46	25	22	26	33	35	28	28	28	41	19	21	18	21	28	27	29	23	24	31.8	2400																								
NWS NEW CASTLE CO APT	27	35	42	41	39	21	18	20	9	4	7	28	25	15	9	8	17	26	22	20	16	18	11	13	4	15	20	18	13	14	12	18.9	EST																								
U of D DE Climatologist Newark Pearson Hall				56		DAILY DATA UNAVAILABLE - ONLY EXTREMES AND AVERAGES AVAILABLE																																																		32.3 19.8	2400 EST
GEORGETOWN, DE	53	49	67	70	49	43	28	34	32	18	30	50	53	33	37	28	35	40	30	30	30	46	26	24	21	32	37	29	38	28	25	36.9	2400																								
NWS SUSSEX CO APT	30	34	39	47	43	25	20	29	16	8	6	28	27	21	18	13	19	30	23	21	17	17	14	15	11	18	27	25	18	18	15	22.3	EST																								
GEORGETOWN, DE	53	49	66	69	48	43	28	33	33	18	30	50	53	32	37	28	35	40	31	29	29	46	26	23	20	32	37	29	37	28	25	36.7	2400																								
UofD RESEARCH & ED CTR	30	33	40	47	43	25	20	23	16	8.1	6.6	29	28	21	19	14	19	30	22	21	17	19	14	10	17	27	25	19	18	15	22.3	EST																									
HARBESON 8 S, DE	53	49	67	70	48	43	28	34	32	17	29	52	53	34	37	27	36	39	30	30	30	47	25	22	21	33	38	29	38	29	25	36.8	2400																								
UofD WARRINGTON FARM	29	32	39	46	42	25	19	22	17	8.1	7.2	27	27	21	17	12	18	29	22	21	17	18	12	12	10	18	26	25	18	18	14	21.5	EST																								
FROSTBURG	48	47	55	63	54	47	25	15	24	23	13	37	40	34	32	21	14	38	37	16	16	27	31	20	21	8	15	25	17	23	14	29.0	0700																								
LATTA	28	32	44	54	37	23	7	8	14	1	1	8	30	17	19	1	0	12	11	9	4	4	0	0	-5	-3	7	12	6	8	-2	12.5	EST																								
LAVALE	53	50	70	56	48	34	24	29	31	17	32	44	43	36	31	23	26	33	27	27	26	36	18	25	17	20	24	27	32	21	21	32.3	2400																								
MULLINS	31	38	46	43	34	16	14	16	16	7	7	26	27	22	14	7	10	19	16	4	17	18	7	11	0	12	13	13	13	12	5	17.2	EST																								
ST MARGARETS	55	51	58	68	49	47	31	35	35	21	32	51	51	31	33	28	36	38	32	30	31	45	24	27	24	25	31	29	39	30	26	36.9	2400																								
BRYANT	30	34	40	46	38	22	19	20	16	9	10	27	30	23	16	14	17	27	20	19	16	19	16	17	13	16	22	16	14	10	21.0	EST																									
MILLERSVILLE 1SE	53	51	59	68	46	41	30	34	34	21	31	49	50	31	32	28	36	37	30	30	30	43	24	25	21	21	30	28	39	28	24	35.6	2400																								
HANSON	27	37	41	45	40	22	18	21	14	6	4	27	28	22	15	12	14	26	20	19	15	15	14	16	7	14	20	14	10	14	9	19.5	EST																								
LOTHIAN	53	55	54	72	>	76	45	32	35	34	22	32	51	54	31	35	30	36	39	31	32	32	49	27	28	22	25	32	32	32	17	38.2	0900																								
JUG BAY	27	32	40	45	>	31	19	14	16	8	5	14	28	24	24	14	18	24	23	21	12	12	14	17	8	14	18	17	6	14	12	19.0	EST																								
BALTIMORE	51	50	58	63	47	40	30	33	33	19	31	47	49	30	32	27	35	37	29	29	29	43	23	26	20	22	30	28	36	28	24	34.8	2400																								
NWS BWI APT	27	39	39	42	40	22	18	23	14	6	7	29	30	22	16	13	15	26	20	18	14	19	15	17	8	15	20	18	10	16	11	20.3	EST																								
LAUREL 2 E	53	50	60	68	46	38	27	31	31	18	30	46	50	30	30	26	34	36	28	28	29	46	24	26	20	22	30	29	36	28	24	34.6	2359																								
STOUDT	32	39	43	46	38	20	17	20	14	5	8	27	28	22	15	12	18	25	20	20	16	20	14	16	9	15	20	21	18	15	10	20.7	EST																								
PARKTON 5SW	50	49	65	62	45	39	26	32	29	16	30	46	45	29	25	25	32	35	27	27	26	40	23	23	20	22	28	26	32	23	24	32.9	2200																								
KREINIK	28	32	42	42	37	22	15	14	13	2	3	22	31	19	14	8	15	22	19	17	13	11	10	10	-3	13	12	15	10	16	6	17.1	EST																								
OWINGS MILLS 2SE	47	46	56	61	45	38	24	32	30	16	28	44	42	28	28	22	34	35	29	27	26	39	23	25	19	21	29	25	33	25	22	32.2	2400																								
SHARROW	35	33	41	43	37	20	15	20	13	-1	5	26	31	17	12	6	16	21	16	16	12	16	8	11	2	11	15	16	13	11	5	17.5	EST																								
BALTIMORE 2SE	51	50	55	64	50	42	30	34	33	19	32	48	51	30	32	29	36	37	29	28	32	43	24	26	19	22	30	29	37	27	25	35.3	1800																								
MANFRE	36	40	42	45	41	30	19	22	14	7	14	31	37	22	18	14	20	28	23	21	20	22	16	14	16	21	20	21	20	14	23.4	EST																									
BALT INNER HARBOR	50	50	53	63	48	41	29	34	34	19	31	48	50	31	30	27	36	38	29	28	31	42	23	25	20	22	31	29	37	27	24	34.8	2400																								
MD SCIENCE CENTER	37	40	44	45	41	24	20	23	14	7	14	31	31	23	16	14	20	27	22	22	19	23	15	17	14	16	21	24	21	18	13	23.1	EST																								
MANCHESTER 1SW	49	51	63	60	42	37	25	30	28	16	28	47	41	25	25	23	31	33	28	27	30	39	18	24	18	18	26	26	33	25	22	31.9	2300																								
CLOSE	36	36	43	41	36	17	13	16	7	-1	4	25	25	13	9	6	12	19	15	14	11	15	8	11	0	10	14	17	17	10	6	16.3	EST																								
WESTMINSTER 4 SSE	46	48	60	63	43	40	23	31	30	14	27	46	43	29	29	21	33	43	28	25	26	38	26	26	24	21	27	27	31	25	20	32.7	2000																								
HARTSOCK	31	32	43	43	38	20	13	17	14	0	4	23	29	16	13	7	13	25	17	16	12	14	8	12	1	12	15	18	17	12	6	17.5	EST																								
WESTMINSTER 5 SSE	44	47	56	59	41	36	21	29	27	12	26	44	40	27	25	19	31	34	23	22	24	36	17	25	22	20	26	22	29	22	17	29.8	2200																								
KLEIN	27	33	42	41	36	16	13	15	9	-1	3	21	26	13	11	6	12	22	14	14	11	15	7	10	0	11	15	15	15	8	4	15.6	EST																								
MILLERS 4NE	47	52	64	60	43	41	25	29	28	16	29	45	43	32	24	24	29	34	32	27	26	38	31	23	18	20	27	26	32	24	22	32.6	1800																								
MILLER	34	33	42	43	36	23	14	16	15	-1	2	25	32	12	13	7	14	25	17	17	12	13	8	11	-1	11	15	18	14	15	7	17.5	EST																								
FREDERICK 4 N	50	48	57	57	47	38	27	33	31	19	30	51	45	31	30	25	33	36	26	26	27	41	22	25	18	20	28	28	34	25	24	33.2	2400																								
FARFAN	34	35	44	42	38	21	18	18	11	5	10	26	29	23	14	11	16	23	20	19	15	19	12	14	4	14	17	23	20	15	11	20.0	EST																								
EAGLE ROCK	46	50	54	60	59	49	22	12	22	24	12	38	26	30	36	20	20	40	34	16	12	24	28	22	20	10	20	26	20	10	10	28.1	0800																								
HARVEY	24	30	42	52	40	18	0	0	10	-8	-2	4	20	12	12	-8	-4	18	3	0	-3	0	-10	-4	-10	-4	4	10	8	-4	-12	7.7	EST																								

**ACON MD / DE / DC**  
**JANUARY 2004 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		
FALLSTON 2 NW ALBRIGHT	49 25	48 35	58 41	60 43	44 37	39 19	28 12	34 12	32 9	17 2	28 5	49 24	44 27	31 12	27 10	26 8	36 16	38 22	28 16	28 16	29 12	42 15	21 10	25 9	25 4	22 13	30 18	30 8	34 3	26 10	25 7	34.0 16.1	2400 EST		
LAUREL JHU / APL GIANNOLA	50 36	51 37	63 42	69 43	44 37	37 19	26 15	31 20	30 10	15 2	28 8	46 27	47 27	28 20	28 12	23 9	33 16	34 22	25 18	25 17	27 14	40 18	20 10	22 8	18 13	20 19	29 19	25 19	34 15	25 21	21 8	32.7 19.1	2400 EST		
POTOMAC 4N COHEN	53 29	51 40	62 43	70 48	42 41	28 17	42 16	28 18	31 18	32 5	20 8	47 24	50 28	33 24	32 20	26 12	33 17	36 29	30 20	29 20	30 16	44 16	26 13	27 18	19 10	21 15	28 20	30 20	38 13	28 15	25 10	35.5 20.9	2100 EST		
OLNEY 1 S GIANNOLA	51 30	50 38	61 42	69 45	45 38	38 20	28 16	32 19	33 12	19 4	30 6	46 25	48 29	30 21	31 16	25 10	34 16	35 25	27 19	27 18	28 15	41 19	22 12	27 15	20 7	21 14	30 19	27 17	35 19	27 13	22 8	34.2 19.6	2400 EST		
MONTGOMERY VILLAGE ROTH 1SW	51 31	52 41	65 45	68 47	47 39	47 22	39 18	29 23	33 15	33 5.4	19 11	32 28	48 30	48 24	32 17	33 12	36 19	36 26	27 28	28 41	25 25	27 22	27 25	22 31	22 25	29 31	29 29	36 28	28 24	24 24	35.4 21.9	2400 EST			
GLENMONT 1NNE ROSSEN	52 27	51 37	62 42	71 45	46 39	41 22	30 17	32 17	33 14	19 6	31 8	46 23	50 28	31 24	32 16	27 12	33 18	36 26	30 21	29 20	30 17	42 17	25 14	26 17	20 11	22 14	29 20	32 18	40 13	30 14	27 10	35.6 20.2	2400 EST		
BETHESDA SCAFIDE	54 33	52 39	63 42	73 44	47 37	42 19	30 15	34 15	34 12	22 3.3	32 7.3	49 24	52 29	33 22	34 15	29 10	36 16	38 23	30 18	31 17	32 14	45 19	27 12	28 9.1	22 13	24 18	31 17	40 13	30 14	29 8.5	27 19.1	37.0 19.1	2400 EST		
GAITHERSBURG 2WNW SHAW	51 29	49 39	62 44	66 44	45 36	37 21	28 14	32 18	32 12	20 1	31 5	47 23	48 28	32 20	32 16	28 9	33 14	35 23	29 17	29 16	28 12	42 18	24 10	27 13	20 6	21 12	26 16	28 19	38 14	28 13	25 6	34.6 18.3	2400 EST		
FOREST GLEN TERRY	53 33	52 40	62 44	73 46	46 39	41 22	31 18	33 18	36 15	22 6	31 9	47 27	53 32	32 14	36 17	30 13	35 30	37 26	32 21	32 20	31 17	43 21	26 14	29 19	21 11	22 22	30 25	32 21	40 18	32 16	27 11	37.0 21.4	2400 EST		
ROCKVILLE 1NE WASH GAS LIGHT	52 31	54 39	65 42	70 46	46 38	40 19	29 16	32 19	32 12	19 3	32 9	50 25	49 29	31 22	31 15	25 10	33 18	36 24	28 19	26 18	28 15	42 19	23 11	25 8	20 13	21 17	29 18	27 19	35 12	27 8	22 8	34.8 19.6	2400 EST		
SOUTH BOWIE HUDELSON	51 34	50 33	64 42	70 45	45 42	28 18	32 18	32 15	18 6	28 4	45 26	50 31	30 20	30 18	24 12	33 19	35 27	28 21	26 20	28 17	44 18	24 15	26 12	21 20	20 25	28 20	30 17	36 10	29 12	24 12	34.5 21.0	2400 EST			
OXON HILL SMITH	55 34	52 41	70 45	74 47	48 40	42 23	32 19	35 17	33 19	20 7	32 12	53 28	53 31	34 25	38 18	29 13	36 21	40 26	30 22	30 22	31 18	47 21	27 17	28 19	21 14	23 15	30 21	30 17	39 13	30 19	28 13	37.7 22.5	2200 EST		
HOLLYWOOD ABELL	57 32	52 42	71 44	72 59	61 42	45 25	31 19	35 15	32 20	20 11	30 8	55 30	57 30	36 27	36 23	30 16	38 19	41 32	33 23	31 21	32 15	49 21	28 17	25 20	21 15	26 17	33 24	31 16	43 12	32 19	29 14	39.7 23.5	2359 EST		
ORAVILLE VAN WIE																																			2400 EST
RIDGE ZYLA	54 36	51 43	71 45	71 48	63 41	46 26	33 18	37 20	32 18	20 11	32 11	57 32	57 30	39 25	38 24	32 15	40 18	35 32	35 21	32 18	31 15	51 29	29 16	24 16	19 16	29 18	35 28	35 21	45 19	31 19	29 14	39.8 23.9	2400 EST		
SMITHSBURG 1.5 SW HUTTO	50 33	51 38	67 42	61 42	45 36	36 18	27 16	31 16	30 9	17 3	33 7	50 29	44 27	30 20	28 11	30 9	31 12	36 21	27 19	25 16	27 11	39 15	22 9	23 11	16 0	21 13	23 16	26 19	33 22	23 12	23 7	32.8 18.0	2400 EST		
HAGERSTOWN 1E KEEFER	48 32	48 36	66 40	56 41	45 36	36 18	26 16	31 19	29 10	18 3	29 8	49 28	42 26	29 21	28 12	23 8	33 13	33 20	26 17	26 13	25 16	38 9	21 12	24 2	15 12	19 2	20 15	26 18	33 19	23 13	23 8	31.7 18.1	2400 EST		
SMITHSBURG 2 NE VAUGHN	57 37	51 38	67 42	63 42	48 36	36 14	24 17	30 9	28 -1	15 7	31 30	51 23	44 17	32 9	27 5	19 11	30 18	34 16	27 14	25 9	25 13	38 6	16 10	19 0	17 10	23 14	24 16	32 18	29 8	21 4	32.3 16.2	2000 EST			
SALISBURY NWS WICOMICO CO APT	54 26	50 29	66 36	69 47	63 44	44 26	29 19	35 14	33 18	18 9	30 5	52 30	54 25	34 22	38 20	28 15	36 18	41 30	31 22	30 20	48 13	28 13	24 8	21 11	34 17	39 29	30 22	39 13	30 18	25 15	38.2 20.9	2400 EST			
HANOVER 2 S, PA RICKELL																																			2100 EST
WASH NATIONAL NWS ASOS	55 35	50 42	68 43	72 46	49 41	42 24	32 20	35 20	34 18	21 8	32 14	52 28	54 32	33 25	36 20	30 15	36 21	39 26	31 23	31 22	49 19	27 23	28 17	22 14	22 16	31 22	30 23	40 30	30 19	27 27	37.7 23.3	2400 EST			
STERLING 4 N SHAFFER	56 31	51 38	64 41	68 48	49 40	41 23	30 17	32 17	34 17	21 7	32 8	50 24	54 28	36 25	29 12	35 18	37 28	29 21	30 20	46 17	27 15	27 18	21 12	22 16	23 16	23 19	30 18	39 9	32 17	27 10	36.7 21.0	2400 EST			
WASH DULLES NWS ASOS	54 26	51 37	63 39	73 47	48 40	41 21	29 16	33 14	32 14	20 7	31 6	53 27	51 29	34 24	36 18	37 13	37 19	29 26	29 21	29 20	45 16	26 19	27 15	20 12	22 15	25 18	29 12	38 2	28 17	26 11	36.2 19.9	2400 EST			
DAVIS 3 SE WV LESHER	43 17	46 39	55 45	56 53	57 26	26 4	8 0	18 6	20 10	10 -3	27 -1	35 27	28 20	32 14	33 8	9 -4	32 2	37 18	18 5	9 3	16 1	22 12	12 -5	22 6	11 -4	27 7	31 20	20 17	9 2	26.0 10.8	1900 EST				

**ACON MD / DE / DC  
JANUARY 2004 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	
WILMINGTON 4NNE CANAVAN				0.05	0.40							T	M	M	M	M	M	0.60						0.10	T	0.65	0.20			T		2.00	2400	
BEAR 2 SW, DE GALLAHER		0.06		0.01	0.33	T						T		T	0.02		0.14	0.40					0.01	0.06	0.09	0.22	0.26	0.02		T		1.62	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT		0.06		0.02	0.35	T						T	T	0.01	0.08		0.07	0.41	T				T	0.04	0.02	0.28	0.31	0.01		T	T	1.66	2400	
U of D DE Climatologist Newark Pearson Hall	DAILY DATA UNAVAILABLE ONLY TOTAL AVAILABLE																																0.82	2400
GEORGETOWN, DE NWS SUSSEX CO APT		0.07		T	0.60	T			T							0.01		0.05	0.84						T	0.04	0.36	0.19			T		2.16	2400
GEORGETOWN, DE UofD RESEARCH & ED CTR		0.08			0.60														0.99					0.5		5.0		0.37				2.04	2400	
HARBESON 8 S, DE UofD WARRINGTON FARM		0.07			0.71														1.02						1.0		5.0	0.01	0.38				2.19	2400
FROSTBURG LATTA		0.17	0.02	0.28	0.35	0.30	0.02	T	0.02				T	T	0.21	T		0.30	0.05	T			T	0.24	0.02	0.70	0.07	0.45	0.02	0.04	T	3.26	0700	
LAVALE MULLINS		0.13	0.02	0.40	0.33	0.01			T					0.05	0.13		0.25	0.12					T	0.14	0.56	0.26	0.67	T	T	0.02		3.09	2400	
ST MARGARETS BRYANT		0.10		0.32					T						T		0.14	0.40						0.02	0.30	0.11	0.53	0.03				1.95	2100	
MILLERSVILLE 1SE HANSON		0.09		0.35					T								0.01	0.52				T	T	0.01	0.13	0.13	0.15	T		T		1.39	2400	
LOTHIAN JUG BAY		0.11		0.01	>	0.31			0.02									0.32	0.18							0.43		0.31				1.69	0900	
BWI NWS ASOS	T	0.17		T	0.34	T			T					T	T		0.12	0.23				T	T	T	0.13	0.12	0.15			T		1.26	2400	
LAUREL 2 E STOUDT	T	0.15		T	0.35				T					T	T		0.12	0.33					T	0.02	0.47	0.28	0.27			T		1.99	2359	
PARKTON 5SW KREINK		0.09		0.01	0.24	T			T						0.03	0.10	0.43					T	0.02	0.16	0.03	0.51	0.25	T				1.87	2200	
OWINGS MILLS 2SE SHARROW		0.20		T	0.31	0.02			0.01					T	0.02		0.08	0.33				T	0.01	0.13	0.03	0.47	0.30	T		0.02		1.93	2400	
BALTIMORE 2SE MANFRE		0.15		T	0.32	T								0.01	T		0.10	0.33					0.01	0.02	0.15	0.14	0.18			T		1.41	1800	
BALT INNER HARBOR MD SCIENCE CENTER		0.15			0.31												0.12	0.35									0.15					1.08	2400	
MANCHESTER 1SW CLOSE		0.09	0.03	0.08	0.18	T			T					T	0.04		0.12	0.49				T	0.05	0.17	0.03	0.60	0.23	T		T		2.11	2300	
WESTMINSTER 4 SSE HARTSOCK		0.13		0.02	0.23	T									0.05	0.05	0.45							0.16		0.53	0.25	T				1.82	2000	
WESTMINSTER 5 SSE KLEIN		0.11		0.03	0.23										0.02	0.15	0.34							0.12		0.52	0.34					1.86	2200	
MILLERS 4NE MILLER		0.06	T	0.10	0.20	T			T			T			0.03		0.69					T		0.21		0.59	0.17	0.09		T		2.14	1800	
FREDERICK 4 N FARFAN		0.13	0.01	0.04	0.18	T			T		T			T	0.03		0.06	0.40					T	0.06	0.14	0.13	0.48	0.22	T		T		1.88	2400
EAGLE ROCK HARVEY		0.21	0.04	0.32	0.45	0.27			0.02				T	0.01	0.30	0.02		0.36	0.27	0.06	0.01	T	0.02	0.94	0.06	0.55	T	1.20	0.04	0.03	0.02	5.20	800	
					1.0	1.0		0.5					0.3	3.0	1.0		3.0	3.0	3.0	2.0	0.5	T	1.0	11.0	3.0	4.0	T	12.0	2.0	2.0	1.0	50.3	EST	

**ACON MD / DE / DC**  
**JANUARY 2004 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
FALLSTON 2 NW ALBRIGHT		0.12	T	T	0.33	T			T					T	0.06		0.16	0.35				T	T	0.14	T	0.40	0.31			0.03		1.90	2400
LAUREL JHU / APL GIANNOLA		0.15			0.28	T			T					T	T		0.14	0.26						0.44	0.22	0.29	T			T		1.78	2400
POTOMAC 4N COHEN		0.19		T	0.37	T			T						T		0.08	0.35						0.04	0.08	0.55	0.30	T		T		1.96	2100
OLNEY 1 S GIANNOLA	T	0.15		T	0.28	T			T					T	0.01		>	0.37					>	0.03	>	0.66	0.28					1.78	2400
MONTGOMERY VILLAGE ROTH 1SW		0.08		0.01	0.30										0.01		0.10	0.27					0.01	0.03	0.35	0.29	0.18					1.63	2400
GLENMONT 1NNE ROSSEN	T.	0.19		T.	0.33	T.			T.					T.	T.		0.11	0.32					T.	0.01	0.49	0.25	0.26			T.		1.96	2400
BETHESDA SCAFIDE		0.15			0.11						0.01							0.25					0.01	0.01					0.13	0.01		0.68	2400
GAITHERSBURG 2WNW SHAW	T	0.15		T	0.30	T			T		T			T	T		0.12	0.26					0.04	0.03	0.29	0.32	0.31			T		1.82	2400
FOREST GLEN TERRY	T	0.22			0.39				T					T	T		0.09	0.34					T	T	0.48	0.17	0.31			T		2.00	2400
ROCKVILLE 1NE WASH GAS LIGHT		0.15	T	T	0.28				T					T	T		0.09	0.26					T	T	0.40	0.26	0.21					1.65	2400
SOUTH BOWIE HUDELSON		0.13			0.40				0.02								0.12	0.53							0.27	0.11	0.34					1.92	2400
OXON HILL SMITH		0.13		0.01	0.32	T			0.03					T	T		0.10	0.48						T	0.25	0.27	0.25			T		1.84	2200
HOLLYWOOD ABELL		0.15		0.01	0.65	T			0.03								0.06	1.16						T	0.38	0.15	0.18			T		2.77	2359
ORAVILLE VAN WIE																																	2400
RIDGE ZYLA		0.14		0.01	0.81	T		0.01	0.04	T							0.10	1.03					T	T	0.36	0.03	0.16			T		2.69	2400
SMITHSBURG 1.5 SW HUTTO		0.07	0.03	0.14	0.12				T						0.02		0.05	0.48					0.04	0.16	0.16	0.31	0.30	0.01				1.89	2400
HAGERSTOWN 1E KEEFER		0.07	0.05	0.19	0.19	T			T					T	0.02		0.07	0.60	T			T	0.06	0.14	0.20	0.52	0.26	T		T		2.37	2400
SMITHSBURG 2 NE VAUGHN	T	0.08	0.02	0.31	0.23	T			0.01				T	0.01	0.08		0.10	0.54					0.02	0.22	0.35	T	0.28				2.25	2000	
SALISBURY NWS WICOMICO CO APT		0.12		T	0.82				T						T		T	1.30						0.05	0.35	0.31	0.48					3.43	2400
HANOVER 2 S, PA RICKELL																																	2100
WASH NATIONAL NWS ASOS		0.15		T	0.31				0.01					T	T		0.08	0.35						T	0.24	0.10	0.11			T		1.35	2400
STERLING 4 N SHAFFER		0.21			0.32				0.25						0.13		>	0.39					>	0.10	0.33	0.29	0.17					2.19	2400
WASH DULLES NWS ASOS	T	0.19		T	0.30				0.02					T	T		0.07	0.27						T	0.31	0.13	0.12			T		1.41	2400
DAVIS 3 SE WV LESHER		0.57		0.19	0.55	0.28	0.18	T	0.09		T	0.02	0.07	T	0.56		0.15	0.58	0.18	0.09		0.05	0.13	0.64	0.16	0.46	0.41	0.29	0.13	0.30	0.03	6.11	1900
				0.3	3.8	1.2	T	1.6		T	0.1	0.7	T	5.9		1.9	2.6	2.9	1.4	T	0.8	1.8	8.6	2.1	0.7	5.6	5.7	1.9	5.0	0.8	55.4	EST	