



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

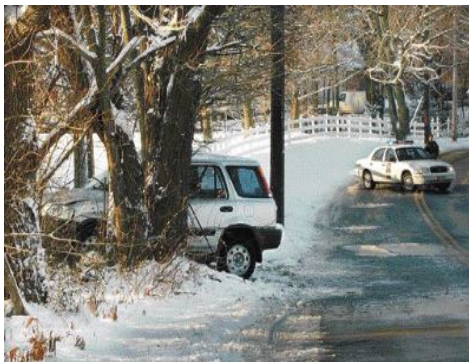
## COLD, SNOWY FIRST HALF, MILD LAST WEEK

Temperatures averaged below average, snowfall above average, and precipitation near average. The first three weeks of December were consistently cold. Temperatures averaged 5 to 10 degrees below average. Temperatures from the 24th to the end of the month averaged around 5 degrees above average. East of Allegany County all of the snow fell during the first 15 days.

The month began on a chilly note. Light snow showers or flurries fell at many observing sites west of the Chesapeake Bay during the first three days of the month. The 2nd was windy and cold. Snow began late in the evening on the 3rd and quickly changed to sleet, freezing rain and then to all rain. The precipitation ended by dawn of the 4th.

The next storm began the afternoon of the 5th and ended by dawn of the 6th. Measurable snow fell east of Allegany County. Winds were light and the snow was quite fluffy. Snowfall amounts generally were in the 2 to 4 inch range. The heaviest amounts fell in St Marys County. **Floyd Abell of Hollywood** measured 6.2" and **John Zyla of Ridge** 4.8".

**Rich Giannola of Olney 1S** reported icy roads the morning of the 6th in Montgomery County. Below is a picture from the December 7th The Gazette from an article Rich Giannola provided.



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After the storm maximum temperatures remained in the low to mid 30's and minimum temperatures in the upper teens to mid 20's until the next storm occurred on the 9th. Snow began early on the 9th and changed to sleet, freezing rain and then to a cold rain before ending by mid morning. Southeast of Washington DC amounts were less than 2". East of Carroll County east through Northern Delaware saw 2 to 4 inches. The heaviest amounts of 4 to 6 inches fell from Carroll County west into the Maryland mountains. **Greg Latta of Frostburg** measured 6.7", and **Nate Mullins of LaVale** 6.0".

The coldest temperatures of the month moved into the region on the 13th and 14th. Most regions remained below freezing. Maximum temperatures ranged from near 20 in the Maryland mountains to the lower 30's in southeast Maryland. Minimum temperatures fell to the single digits from central Maryland westwards. **Max Hutto of Smithsburg 1.5 SW** and **Jim Vaughn of Smithsburg 2 NE** both reported 0 degrees.

The last storm with a wintry mix occurred on the 15th & 16th. Precipitation began as light snow. It quickly changed to sleet, freezing rain, and then to rain as temperatures rose to the 40's and 50's. 1 inch liquid precipitation amounts were common. The heaviest amounts fell in Anne Arundel County. **David Bryant of Annapolis 2 N** reported 1.84" and **Jug Bay Wetlands of Lothian** 1.69".

Seasonably cold temperatures followed through the 22nd.. Ahead of the Christmas day storm temperatures rose into the 50's on the 23rd and Christmas Eve. **Ray Muller of Westminster City**, **Herb Close of Manchester 1S** and **Jug Bay Wetlands of Lothian** all reported 61 degrees. The last trace of snow melted east of the mountains.

Colder temperatures and rain moved into the region on Christmas Day, the 25th. Freezing rain was reported in Frederick and Washington Counties.

### EXTREMES REPORTED BY

#### ACON OBSERVERS

##### MAXIMUM TEMPERATURE

Jug Bay Wetlands	61
Manchester 1 S	61
Westminster City	61
Hollywood	61
Ridge	61

##### MINIMUM TEMPERATURE

Smithsburg 1.5 SW	0
Smithsburg 2 NE	0
Davis 3 SE WV	3

##### WARMEST AVG. TEMPERATURE

Annapolis 2 N	39.1
Hollywood	38.3

##### COLDEST AVG. TEMPERATURE

Davis 3 SE WV	23.1
Eagle Rock	24.1
Frostburg	25.9

##### MAXIMUM PRECIPITATION

Davis 3 SE WV	4.63
Hollywood	4.47
Annapolis 2 N	4.26

##### MINIMUM PRECIPITATION

Hagerstown 1 E	1.91
Smithsburg 2 NE	2.04

##### MAXIMUM SNOWFALL

Davis 3 SE WV	35.7
Eagle Rock	25.9
Frostburg	16.4

Thunder was reported by **Floyd Abell of Hollywood**. Fog, dense in some places, was reported in Washington DC suburbs and Carroll County.

Minimum temperatures on the 26th failed to fall below freezing for the first time this month at many locations. The last week of December was mild with maximum temperatures in the 40's and 50's and minimums in the 30's and 40's.

# OBSERVER COMMENTS FOR DECEMBER 2005

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

Minimum temperatures failed to rise above freezing until the 26th.

**5th** - Very fluffy snow.

**24th** - Warm day, 57 degrees, light winds, peak wind gust only 9.5 MPH from the SW.

**25th** - Christmas began of a frosty note but rain moved in mid-day.

## **Nate Mullins of LaVale**

**9th** - Snow heavy at times continued overnight and tapered off by 8 AM. Storm total 8.0".

**25th** - Sleet began ~ 7 AM then a cold daytime rain.

## **Jeff Stoudt of Laurel 2 E**

**3rd** - Evening wintry mix.

**4th** - Rain till daybreak.

**9th** - Snow > sleet > freezing rain till 8 AM.

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

**16th** - Rain moderate at times.

**22nd** - Well defined contrails.

**29th** - Light rain, drizzle & showers all day.

## **Marty Sharrow of Owings Mills**

**14th** - Lots of clouds and bitter cold.

**15th** - Wintry mix to rain.

**29th** - Fog, then overcast, mild with a period of rain.

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

**31st** - Cloudy, AM very light showers.

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

**2nd** - Windy, colder, flurries.

**24th** - 1st night above freezing this month.

**31st** - Light rain, wet flakes & PM sun.

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

**9th** - 4 3/4" of snow on a SW wind veering to the SE.

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

**1st** - Light snow 9—10 PM.

**9th** - Early burst of heavy snow.

**23rd & 24th** - Very mild

**25th** - Heavy fog @ obs (6PM) visibility zero.

## **Ray Muller of Westminster City**

**2nd** - Light snow shower.

**19th** - Cold frontal passage.

**17th** - Halo

**24th** - Max temp @ 2:15 PM, well above normal.

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

**1st** - Hard frost and freeze this morning.

**4th** - Overnight sleet changed to freezing rain ended @ 5AM.

**15th** - Snow started around 8:30 AM with 1.3" accumulating instantly on the roads.

**26th** - Partly cloudy and very windy.

## **Rebecca Harvey of Eagle Rock**

At least 3" of snow on the ground from the 2nd to 31st.

**4th** - Fog and glaze.

**12th & 13th** - 10" snow cover - Max for the month.

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

**29th** - 29.38" barometric pressure, minimum for the month.

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

**11th** - Brief snow shower @ 3PM

**15th** - Sleet 9-10 AM > light snow 10:30-1 PM > freezing rain to sleet

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

**16th** - Rain ended in the early morning. Was followed by rapid clearing. Side roads very icy in the morning.

## **Kevin Shaw of Gaithersburg 2 WNW**

December was colder and snowier than normal. Dates of sleet: 3rd, 9th, & 15th. Dates of freezing rain: 3rd, 4th, 9th, & 15th. Trace or more snow on the ground from the 5th to the 24th.

## **Joe Terry of Forest Glen**

Significant amount of snow and ice for December but all in the first half.

**15th** - Third event of the month with snow changing to ZR.

**5th—24th** - 20 consecutive days with at least a Trace of snow on the ground.

**25th** - Very dense evening fog.

## **Brian Smith of Oxon Hill**

**6th** - Snow depth at 0700 hours 5", max for the month.

**16th** - Bright halo 2302-2400 hours.

## **Floyd Abell of Hollywood**

**15th** - AM flurries, afternoon and evening rain. Windy at night.

**25th** - Rain started late morning, evening thunderstorm.

## **John Zyla of Ridge**

**5th** - Snow began at 11:22AM, but accumulation began at 4:30PM.

## **Max Hutto of Smithsburg 1.5 SW**

1" or more snow cover from the 8th to 26th.

**4th** - Cloudy, colder, PM snow, sleet, freezing rain, breezy.

**14th** - 0 degrees. Lowest temp since 1/25/05. Cold all day.

## **Greg Keefer of Hagerstown 1 E**

**9th** - Snow overnight moderate at times with some sleet mixed in at times ending around 7AM. Some blowing and drifting snow with NW winds gusting to 37 MPH.

**15th** - Moderate to heavy ice accumulation on trees & wires.

**25th** - Periods of some freezing rain overnight. Cloudy with periods of cold rain moderate at times.

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

December was the 5th coldest. Coldest 23.5 in 1989. A Trace or more snow on the ground each day this month.

**8th** - 11 deg broke the old daily record min of 14 set in 1977.

**26th** - 0.02" Precip - first measurable precipitation for this date which previously was the last non leap day without measurable precipitation in 29 years of weather observing.

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

**2nd** - Gusty winds falling temps by 4 PM.

**9th** - Snow, sleet, freezing rain, rain.

**16th** - Mild day today.

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 2005 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>Montgomery, Maryland</i>																									
Cohen, Rob	Potomac 4 N	40.9	26.4	33.7	59	24	12	14	0	2	27				3.25	0.70	15	49.24	8	0	6.7	3.1	6	8.0	2100
Giannola, Rich	Olney 1 S	39.0	23.5	31.3	57	24	10	14	0	2	25				2.89	0.97	15-16	46.86	6	0	7.6	3.8	5-6	8.9	2400
Roth, David	Montgomery Village 1SW	40.4	26.4	33.4	57	24	11	14	0	2	26	21	NW	2	3.06	0.87	15	43.07	10	0					2400
Rossen, Stan	Glenmont 1 NNE	42.3	25.4	33.9	59	24	11	14	0	2	28				3.18	0.96	15	48.23	10	0	6.9	2.8	9	8.0	2400
Scafide, Tony	Bethesda	41.2	27.7	34.5	57	24	14	14	0	2	24	25		19	2.38	0.70	15	<u>30.59</u>	11	0					2400
Shaw, Kevin	Gaithersburg 2 WNW	39.8	24.0	31.9	55	24	9	14	0	2	28				2.92	0.84	15	44.24	10	0	7.3	3.5	9	8.4	2400
Terry, Joe	Forest Glen	43.7	27.1	35.4	60	24	13	14	0	1	24	29	W	26	3.41	1.09	15	51.15	10	1	7.0	2.5	9	7.8	2400
Wash Gas Light	Rockville 1 NE	40.5	27.9	34.2	60	24	12	14	0	3	23				2.78	0.88	9	<u>36.63</u>	8	0				1.0	2400
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	43.8	28.5	36.2	59	24	16	14	0	2	21				3.56	0.98	15	45.64	11	0	6.5	2.7	5	6.9	2400
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	46.9	29.7	38.3	61	4	19	14	0	1	19	36		15	4.47	1.24	15	47.03	9	1	6.7	5.5	5	6.8	2400
Zyla, John	Ridge	45.7	30.6	38.2	61	4	21	20	0	0	18	27	NE	4	4.10	0.80	15	45.22	9	0	4.8	4.5	5	4.5	2400
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	37.9	22.4	30.2	57	24	0	14	0	6	28	32	WNW	2	2.22	0.76	15	41.43	9	0	7.5	4.0	9	8.5	2400
Keefer, Greg	Hagerstown 1 E	37.1	22.9	30.0	54	24	4	14	0	8	29	46	NW	26	1.91	0.67	15	39.40	9	0	7.5	4.6	9	8.1	2400
Vaughn, Jim	Smithsburg 2 NE	39.6	23.0	31.3	57	24	0	14	0	3	27	47	NW	27	2.04	0.77	15	39.60	11	0	6.4	3.9	9	6.8	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	45.1	24.9	35.0	58	25	14	22	0	2	28	39	NW+	9+	3.56	0.94	9	51.09	9	0	3.0	2.0	6	3.0	2400
<i>Arlington, Virginia</i>																									
NWS Washington Nation:	National Airport	43.2	29.6	36.4	58	24	19	14	0	2	21	37	NW	2	3.34	0.93	15	44.38	11	0	4.8	1.6	9	4.8	2400
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	41.8	25.0	33.4	59	24	13	14	0	2	28	44	WNW	26	2.93	1.07	15	44.60	9	1	5.7	2.5	9	6.0	2400
Shaffer, Lance	Sterling 4 N	42.4	27.5	35.0	60	24	14	14	0	2	26				2.94	1.22	15	46.62	8	1	7.2	3.0	9	7.8	2400
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	29.8	16.9	23.4	53	29	3	20+	0	19	29				4.63	0.79	4	59.07	23	0	35.7	6.7	3	63.6	0700
SECTION AVERAGE*		<b>40.9</b>	<b>25.9</b>	<b>33.4</b>											<b>3.15</b>						<b>7.4</b>				

**NOTES:**

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

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

\*\*OBSERVERS FOR LAVALE ARE DAVID DREWERY AND CHARLES ORLICK. DATA COMPILED BY NATE MULLINS.

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 1/30/06

**ACON MD / DE / DC**  
**DECEMBER 2005 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 CANAVAN																																		2400 EST
BEAR 2 SW, DE GALLAHER	44	42	36	44	35	37	34	34	37	36	42	39	27	26	49	51	44	43	39	37	35	39	52	57	48	47	45	51	48	46	41	41.5	2400 EST	
WILMINGTON , DE NWS NEW CASTLE CO APT	44	42	36	43	35	35	33	33	36	35	41	38	29	25	47	53	43	42	39	36	35	39	50	54	50	49	46	50	48	47	40	41.1	2400 EST	
U of D DE Townsend Farm Townsend 4 W	43	41	35	43	35	M	33	32	M	M	M	M	M	24	49	53	42	41	M	M	33	38	51	56	50	46	45	55	50	45	M	42.7	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT	47	46	38	57	40	37	37	33	43	42	47	44	32	29	56	58	47	43	44	38	37	42	54	57	59	53	47	56	52	50	53	45.7	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR	46	43	37	56	38	34	35	33	43	41	46	43	32	30	55	57	46	43	42	37	36	41	52	59	57	51	45	55	52	48	52	44.7	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM	32	29	27	34	31	19	16	21	27	23	27	32	21	21	27	32	30	28	26	21	20	19	29	31	30	40	29	28	43	31	32	27.7	2400 EST	
FROSTBURG LATTA	36	32	24	26	36	27	25	23	29	26	37	32	27	21	18	32	33	35	37	24	22	25	35	48	50	50	34	35	44	40	34	32.2	0700 EST	
LAVALE MULLINS**	40	35	32	35	36	34	33	32	35	38	40	36	30	24	26	40	41	40	31	35	30	44	54	51	36	38	41	50	42	41	47	37.6	2400 EST	
ANNAPOLIS 2 N BRYANT	49	44	40	50	42	39	38	36	39	44	46	43	33	31	49	50	47	45	43	38	39	43	48	49	47	50	48	50	52	47	50	44.2	2400 EST	
MILLERSVILLE 1SE HANSON	45	42	37	50	38	38	36	33	38	40	45	41	31	26	44	49	45	45	40	38	37	42	54	56	41	47	46	49	49	48	44	42.4	2400 EST	
LOTHIAN JUG BAY WETLANDS	55	47	43	43	51	38	39	39	38	40	41	46	41	30	29	50	47	47	48	41	41	38	46	57	61	50	50	47	55	49	50	45.1	0900 EST	
BALTIMORE NWS BWI APT	45	41	36	50	38	36	35	34	37	40	44	40	31	25	45	51	45	45	39	37	36	42	55	58	42	48	46	50	48	48	45	42.3	2400 EST	
LAUREL 2 E STOUDT	45	40	36	49	36	36	34	34	35	38	43	39	28	25	42	46	44	44	37	36	36	43	54	58	41	48	47	53	50	48	47	41.7	2400 EST	
PARKTON 5SW KREINIK	42	39	34	39	38	37	35	34	36	37	38	38	27	27	39	43	41	42	34	35	36	40	58	59	40	41	45	49	46	45	41	39.8	2200 EST	
OWINGS MILLS 2SE SHARROW	42	38	32	41	35	33	31	30	33	35	39	35	27	23	35	41	40	42	35	32	37	48	52	38	42	42	47	45	43	43	37.7	2400 EST		
BALTIMORE 2SE MANFRE	46	41	36	50	40	38	36	35	39	42	45	41	30	25	43	47	46	45	40	37	38	44	54	56	44	50	46	49	50	48	45	42.8	1800 EST	
BALT INNER HARBOR MD SCIENCE CENTER	46	41	37	50	40	38	36	36	39	41	45	41	30	25	43	47	46	45	40	37	37	43	51	56	44	49	46	49	50	48	45	42.6	2400 EST	
MANCHESTER 1SW CLOSE	39	37	34	34	33	35	33	35	34	36	41	38	27	26	39	42	40	43	34	33	32	39	54	61	40	40	45	46	45	45	43	38.8	2300 EST	
WESTMINSTER 4 SSE HARTSOCK	43	39	30	37	36	32	30	29	33	36	39	39	23	25	31	39	39	37	35	29	29	35	48	54	45	41	40	47	46	46	41	37.2	1800 EST	
WESTMINSTER 5 SSE KLEIN	40	36	30	37	33	31	30	30	32	36	37	34	24	24	35	38	38	37	34	30	29	36	48	53	40	40	40	46	44	42	40	36.3	2200 EST	
MILLERS 4NE MILLER	40	37	32	36	34	35	32	33	36	38	40	36	26	23	33	42	38	41	33	32	32	39	55	59	44	41	44	46	44	43	41	38.2	1800 EST	
WESTMINSTER CITY MULLER	52	40	35	38	35	35	34	32	33	38	40	38	28	25	39	42	43	44	34	33	35	40	58	61	40	42	43	47	45	46	44	40.0	2200 EST	
FREDERICK 4 N FARFAN	41	38	33	42	37	36	34	32	36	38	41	37	26	22	35	41	41	42	36	34	35	41	52	56	37	44	43	46	48	45	47	39.2	2400 EST	
EAGLE ROCK HARVEY	34	34	20	40	38	28	20	20	30	28	38	28	24	22	19	30	30	30	34	20	18	22	24	30	54	40	30	46	59	38	35	31.1	0800 EST	
FALLSTON 2 NW ALBRIGHT																																		2400 EST

**ACON MD / DE / DC  
DECEMBER 2005 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
LAUREL JHU / APL	42	37	33	46	36	34	31	33	34	38	42	36	25	24	39	43	42	43	36	34	34	40	56	57	41	43	43	50	46	44	44	39.5	2400
GIANNOLA	30	25	23	28	26	24	20	18	23	19	22	24	17	11	20	32	28	28	22	19	22	23	27	32	28	37	32	30	40	33	34	25.7	EST
POTOMAC 4N	43	39	36	46	37	37	36	35	37	40	43	36	30	23	34	43	43	45	38	37	37	41	56	59	41	43	45	50	48	45	46	40.9	2100
COHEN	29	29	24	32	30	25	20	19	27	19	21	30	18	12	22	32	28	29	25	21	22	20	23	29	27	35	33	29	42	33	32	26.4	EST
OLNEY 1 S	44	38	35	47	36	34	33	33	35	38	41	36	28	24	36	42	41	42	36	35	35	40	53	57	>	>	>	>	>	50	45	39.0	2400
GIANNOLA	27	25	22	30	28	21	19	16	24	18	22	25	16	10	20	31	28	29	22	17	20	21	24	32	>	>	>	>	>	30	34	23.5	EST
MONTGOMERY VILLAGE	43	39	35	46	38	35	34	33	37	39	42	37	29	24	37	43	42	43	37	35	35	40	55	57	40	43	44	50	49	46	47	40.4	2400
ROTH 1SW	29	27	24	29	30	24	24	19	26	20	22	26	17	11	22	31	29	23	19	22	22	24	30	27	36	34	31	43	33	35	26.4	EST	
GLENMONT 1NNE	45	40	37	48	38	38	37	36	39	41	46	38	29	26	40	45	44	45	39	38	37	43	58	59	41	45	45	52	49	46	47	42.3	2400
ROSSEN	28	27	24	32	29	22	20	18	25	19	20	27	17	11	23	30	28	28	21	20	21	19	23	28	25	37	31	28	42	31	34	25.4	EST
BETHESDA	43	39	35	46	38	36	35	34	37	40	44	38	30	25	38	44	43	44	38	37	36	41	56	57	42	44	44	52	52	46	46	41.2	2400
SCAFIDE	30	27	25	32	29	25	23	19	27	21	26	27	19	14	24	32	29	30	23	21	23	23	26	33	32	37	35	34	42	35	37	27.7	EST
GAITHERSBURG 2WNW	43	39	35	45	36	36	35	34	37	39	41	39	30	25	35	41	40	41	36	36	35	39	52	55	39	44	43	49	47	44	45	39.8	2400
SHAW	26	25	19	30	28	22	19	16	24	16	19	25	15	9	21	30	28	28	20	15	18	18	21	29	25	34	31	29	40	30	33	24.0	EST
FOREST GLEN	46	42	38	49	38	40	39	37	41	41	47	38	33	26	41	47	46	48	42	39	38	43	58	60	43	47	48	52	51	48	48	43.7	2400
TERRY	30	28	23	33	30	23	22	18	27	19	25	27	18	13	24	33	29	30	23	22	22	21	25	31	30	37	35	31	42	34	36	27.1	EST
ROCKVILLE 1NE	42	37	36	46	37	39	33	32	34	39	42	37	28	25	39	42	42	42	38	35	36	41	53	60	40	44	44	50	50	46	45	40.5	2400
WASH GAS LIGHT	32	28	24	31	29	27	28	18	27	23	25	26	20	12	23	33	30	31	23	19	22	24	27	33	28	37	36	35	42	35	36	27.9	EST
OXON HILL	45	43	38	51	40	38	38	35	39	41	47	39	32	27	45	48	46	46	41	40	38	42	55	59	47	47	46	55	52	48	49	43.8	2300
SMITH	33	28	26	33	31	24	23	23	27	20	25	29	20	16	25	34	30	32	27	23	26	22	23	31	33	39	35	33	43	36	34	28.5	EST
HOLLYWOOD	47	46	41	61	41	39	40	36	41	43	50	43	34	29	55	55	47	46	46	41	40	44	58	59	56	50	50	58	54	51	53	46.9	2359
ABELL	34	30	26	36	31	26	19	23	29	20	28	31	23	20	24	35	30	34	28	20	20	24	30	34	34	43	36	33	45	39	36	29.7	EST
RIDGE	47	47	43	61	40	37	40	35	41	44	51	45	37	33	53	48	45	42	46	41	35	43	57	50	53	50	44	53	50	52	53	45.7	2400
ZYLA	34	29	30	39	32	27	25	24	24	23	25	33	25	23	29	29	34	31	29	21	22	27	33	37	33	41	35	42	39	37	37	30.6	EST
SMITHSBURG 1.5 SW	40	36	32	34	34	35	32	32	35	36	40	34	24	24	32	40	40	41	33	33	33	40	53	57	36	42	40	50	50	44	44	37.9	2400
HUTTO	24	25	21	29	29	23	21	10	21	6	8	20	4	0	18	30	23	22	18	16	20	28	35	29	23	34	30	27	41	29	30	22.4	EST
HAGERSTOWN 1E	39	36	32	36	34	35	32	31	34	35	38	34	25	22	31	36	39	40	32	32	33	39	51	54	35	41	40	47	47	44	45	37.1	2400
KEEFER	26	25	21	28	29	24	21	13	20	10	11	21	10	4	17	28	24	24	19	18	20	26	29	28	24	33	30	27	40	29	30	22.9	EST
SMITHSBURG 2 NE	44	34	33	35	33	36	33	40	35	37	38	39	24	30	35	43	45	44	33	32	35	39	52	57	48	40	43	52	49	46	45	39.6	2400
VAUGHN	25	24	19	27	27	22	20	11	18	16	22	18	5	0	17	20	25	25	16	15	17	27	33	35	30	33	32	32	40	30	31	23.0	EST
SALISBURY	46	46	39	57	40	34	35	30	42	41	47	43	33	31	55	57	46	42	43	38	36	41	54	56	58	51	46	56	52	49	54	45.1	2400
NWS WICOMICO CO APT	32	29	25	35	31	19	17	21	26	18	27	28	19	15	23	29	28	23	24	19	16	14	20	22	22	40	25	24	44	27	29	24.9	EST
WASH NATIONAL	45	42	38	51	40	37	37	33	39	40	48	40	32	26	44	48	46	46	41	39	38	41	52	58	44	48	47	52	51	48	48	43.2	2400
NWS ASOS	33	29	26	35	30	29	26	23	27	23	27	28	22	19	26	35	31	32	25	24	25	27	26	33	30	38	36	33	43	38	38	29.6	EST
WASH DULLES	42	40	36	49	38	37	36	35	38	41	44	37	31	25	35	45	44	45	39	39	37	42	56	59	39	46	45	53	49	47	47	41.8	2400
NWS ASOS	28	27	21	33	29	23	21	18	25	14	21	27	18	13	24	31	27	27	24	17	19	19	23	27	24	35	29	27	41	31	32	25.0	EST
STERLING 4 N	44	42	38	50	38	38	36	35	41	42	44	38	32	27	34	46	45	47	40	39	36	41	57	60	38	45	45	52	49	49	47	42.4	2400
SHAFFER	32	29	23	32	31	25	25	19	28	20	22	29	21	14	25	32	29	30	28	23	23	22	24	31	28	35	34	30	42	33	33	27.5	EST
DAVIS 3 SE WV	29	34	18	42	40	26	17	16	30	19	33	24	19	17	26	32	26	28	34	19	16	18	32	44	47	43	27	44	53	35	35	29.8	0700
LESHER	19	18	8	8	22	15	13	8	10	10	18	18	9	6	11	22	19	18	18	3	3	12	16	29	35	27	21	21	35	26	25	16.9	EST

**ACON MD / DE / DC  
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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																																	2400 EST
BEAR 2 SW, DE GALLAHER	T			0.28 0.2	0.10 1.7	0.13 2.5	T		0.65 2.6						0.65 0.1	0.55										0.67 0.05		0.45	0.01	3.54 7.1	2400 EST		
WILMINGTON, DE NWS NEW CASTLE CO APT				0.33 0.2	0.08 1.7	0.15 2.5			0.49 2.6						0.69 0.1	0.51										0.53 0.01		0.45	0.02	3.26 7.1	2400 EST		
U of D DE Townsend Farm Townsend 4 W				0.28		M			M	M	M	M	M		0.72	0.41				M	M					0.41 0.04		0.48		M	2.34 -	2400 EST	
GEORGETOWN, DE NWS SUSSEX CO APT			T	0.48	0.20	0.15			0.62						0.38	0.65										0.32 0.07		0.44		T	3.31 -	2400 EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR				0.50		0.16 3.7	0.01	0.01	0.62						0.38	0.65										0.34 0.05		0.43			3.15 3.7	2400 EST	
HARBESON 8 S, DE UofD WARRINGTON FARM				0.51	0.01	0.39	0.01		0.66 3.0						0.57	0.52										0.46 0.05		0.45			3.63 3.0	2400 EST	
FROSTBURG LATTA		0.04 1.0	T 0.3	0.24 0.4			T		0.81 6.7			0.10 2.5	T			0.81 4.7			0.01 0.5						T	0.46 0.01	0.01 0.3		0.10	2.58 16.4	0700 EST		
LAVALE MULLINS**	T	T	0.03 0.3	0.18 0.1				0.17 2.0	0.52 6.0	0.01 0.3	T	0.02 0.3			0.94 5.5	T									0.39 T	0.02		T	0.03	0.04	2.35 14.5	2400 EST	
ANNAPOLIS 2 N BRYANT			0.13	0.12	0.46 4.3				0.49 2.1						1.84 0.1											0.45		0.77			4.26 6.5	2400 EST	
MILLERSVILLE 1SE HANSON				0.35 T		0.03			0.22 1.5		0.19	0.02			1.24 T	0.48										0.65 0.06		0.29			3.53 1.5	2400 EST	
LOTHIAN JUG BAY WETLANDS				0.35		0.45 M			0.65 2.8							1.69										M		0.10	0.12	T	3.36 2.8	0900 EST	
BWI NWS ASOS	T	T	0.02 0.2	0.32 T	0.13 1.4	0.05 1.9			0.63 2.2						1.23 0.3	0.24										0.91 0.02		T	0.35		T	3.90 6.0	2400 EST
LAUREL 2 E STOUDT	T	T	> T	0.31 T	0.17 2.4	0.07 1.9			0.63 1.7						1.25 0.2	0.18										0.90 0.01		T	0.30		T	3.82 6.2	2400 EST
PARKTON 5SW KREINIK		T		0.15 T	0.01 0.2	0.08 2.0			0.62 3.9						0.16 0.7	1.18 0.2										0.65 T		0.18	0.04	T	3.07 7.1	2200 EST	
OWINGS MILLS 2SE SHARROW	T		0.04 0.2	0.20 T	0.19 2.0	0.12 1.5	T		0.66 3.5						1.26 0.3	0.21										0.55 0.04		T	0.20		T	3.47 7.5	2400 EST
BALTIMORE 2SE MANFRE	T	T	0.01 T	0.29 T	0.01 0.5	0.06 2.3			0.14 2.0						1.26 0.3	0.38										0.85 0.04		0.34		T	3.38 5.1	1800 EST	
BALT INNER HARBOR MD SCIENCE CENTER			0.02	0.27	0.11	0.04			0.68						1.28	0.42										0.90 0.03		0.35			4.10 -	2400 EST	
MANCHESTER 1SW CLOSE	0.02 0.3	T T	T T	0.28 0.4	0.05 1.5	T 1.0			0.66 4.5						0.72 0.8	0.38										0.65 0.01	0.01 0.0		0.17	0.02	2.96 8.5	2300 EST	
WESTMINSTER 4 SSE HARTSOCK		0.01 0.2		0.24 T	0.5 2.3	0.08 2.3			0.58 4.0						0.20 0.6	0.85										0.62 0.02		0.16	0.06	0.02	2.84 7.6	1800 EST	
WESTMINSTER 5 SSE KLEIN				0.20 0.3	0.06 1.5	0.05 1.8			0.60 4.8						0.42 0.8	0.62										0.64		0.24		0.02	2.85 9.0	2200 EST	
MILLERS 4NE MILLER		0.02 0.3		0.30 0.4	0.01 0.2	0.05 1.5			0.62 5.4			T T			0.18 0.8	1.22										0.55 0.01		0.22	T	0.01	3.19 8.6	1800 EST	
WESTMINSTER CITY MULLER	0.03 0.3	T T	T 0.1	0.23 0.2	0.09 2.4	T T			0.65 4.5						0.71 0.7	0.21 T										0.55 T		0.24		0.03	2.74 8.2	2200 EST	
FREDERICK 4 N FARFAN	0.03 T	T T	0.10 0.1	0.18 0.1	0.13 2.3	0.01 0.2	T T	T T	0.32 4.5		T T				1.10 1.5	0.03										0.52		T	0.10		T	2.52 8.7	2400 EST
EAGLE ROCK HARVEY		0.30 5.0	0.20 5.0	0.60	T	0.04 0.2	0.06 2.0	T T	0.55 5.0			0.12 0.2	T T			0.40 3.0	T T		0.05 1.0	T T	T T					0.02 0.5	0.72 4.0	0.22		0.05 T	T T	0.01 25.9	3.34 EST
FALLSTON 2 NW ALBRIGHT																																	2400 EST

**ACON MD / DE / DC  
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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
LAUREL JHU / APL GIANNOLA	T		0.03 0.3	0.26	0.15 >	0.06 3.3			0.63 3.0						0.86 0.3	0.24			T T							0.60	0.01			0.20		3.04 6.9	2400 EST
POTOMAC 4N COHEN	T			0.30	0.05 0.7	0.15 3.1			0.69 2.5		T				0.70 0.4	0.42														0.29		3.25 6.7	2100 EST
OLNEY 1 S GIANNOLA	0.01		> 0.3	0.29	> >	0.24 3.8		T T	0.63 3.0						> 0.5	0.97									>	>	>	>	>	0.75		2.89 7.6	2400 EST
MONTGOMERY VILLAGE ROTH 1SW				0.30	0.07	0.11		0.02	0.56						0.87	0.23										0.67	0.03			0.20		3.06	2400 EST
GLENMONT 1NNE ROSSEN	T		0.03 0.1	0.25	0.14 1.6	0.06 2.0			0.67 2.8		T T				0.96 0.4	0.24										0.56	0.01			0.26	T	3.18 6.9	2400 EST
BETHESDA SCAFIDE			0.21	0.01		0.04	0.01	0.06	0.52						0.70	0.14										0.47	0.02			0.20		2.38 -	2400 EST
GAITHERSBURG 2WNN SHAW	0.01 T		0.03 0.2	0.24	0.16 2.5	0.05 0.7			0.62 3.5						0.84 0.4	0.20										0.55				0.22		2.92 7.3	2400 EST
FOREST GLEN TERRY	T		0.02 0.1	0.27 T	0.18 2.4	0.07 1.5			0.64 2.5						1.09 0.5	0.23										0.59	0.02			0.30		3.41 7.0	2400 EST
ROCKVILLE 1NE WASH GAS LIGHT	T		T	0.28	0.12	0.02			0.54						0.88	0.15										0.52				0.27		2.78	2400 EST
OXON HILL SMITH	T		0.01 T	0.26	0.23 2.7	0.12 2.1			0.64 1.5		T T	T			0.98 0.2	0.25										0.74	0.03			0.29	0.01	3.56 6.5	2300 EST
HOLLYWOOD ABELL	T		0.01	0.44	0.89 5.5	0.17 0.7			0.47 0.5						1.24 T	0.19										0.86				0.20	T	4.47 6.7	2359 EST
RIDGE ZYLA	T		0.03	0.19	0.79 4.5	0.09 0.3		0.73							0.80	0.29		T								0.60				0.58	T	4.10 4.8	2400 EST
SMITHSBURG 1.5 SW HUTTO			0.04 0.1	0.17 0.4			T	0.04 1.0	0.57 4.0		T	T			0.76 1.8	0.06 0.2										0.46	0.03		T	0.09	T	2.22 7.5	2400 EST
HAGERSTOWN 1E KEEFER	T T	T T	0.05 0.2	0.13 0.1	T T		T T	0.04 0.6	0.50 4.6		T T	T			0.67 2.0	0.03 T										0.38 T	0.01		T	0.10	T	1.91 7.5	2400 EST
SMITHSBURG 2 NE VAUGHN	T 0.1			0.06 0.2	T T	0.02		0.03 0.4	0.24 3.9		0.01 0.1	0.02 0.2			0.77 1.5	0.05										0.54	0.02			0.28	T T	2.04 6.4	2400 EST
SALISBURY NWS WICOMICO CO APT				0.38 T	0.10 1.0	0.20 2.0			0.94 T						0.73	0.32										0.50	0.02			0.37	T	3.56 3.0	2400 EST
WASH NATIONAL NWS ASOS	T		0.03 0.1	0.21 T	0.15 1.4	0.02 1.5		T	0.55 1.6		T				0.93 0.2	0.30										0.77	0.03			0.34	0.01	3.34 4.8	2400 EST
WASH DULLES NWS ASOS	T		0.05 T	0.11	0.11 1.9	0.04 0.7		T T	0.65 2.5						1.07 0.6	0.11										0.55	T		T	0.24	T	2.93 5.7	2400 EST
STERLING 4 N SHAFFER	T T	T T	> 0.4	0.19 0.4	0.16 3.0				0.65 3.0						1.22 0.8											0.50	0.02			0.19	0.01	2.94 7.2	2400 EST
DAVIS 3 SE WV LESHER	T T	0.55 5.9	0.34 6.7	0.79	0.19 0.2	0.02 0.3	0.08 1.6	0.03 0.6	0.63 4.3	0.05 0.7	0.01 0.2	0.40 4.5	0.03 0.6	T		0.41 2.1	0.07 1.0		0.01 0.2	0.05 0.8	T	0.02 0.3			0.02	0.45 0.7	0.21 2.9		0.05 1.9	0.20 0.02	4.63 35.7	0700 EST	