



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

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

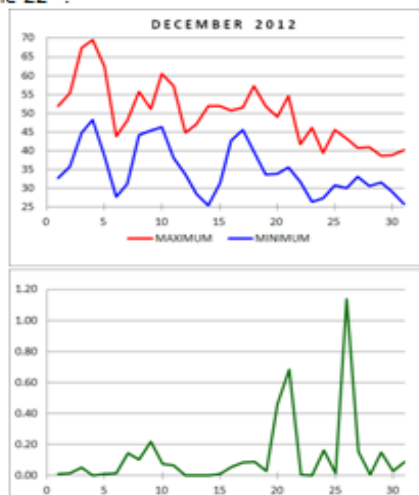
Temps Warmer Than Normal; Cooling Off Late **Precipitation Close To Normal; Some Snow Late**

December 2012 started out quite mild to warm, and then gradually turned colder just before Christmas, staying chilly through the end of the month/year. Extremes of warmth were in the mid 70s on the 3rd and 4th. There was a definite lack of cold extremes across the region throughout the month, though more seasonal values began to emerge right after the big 20th-21st rainstorm. Only northern and western mountain stations recorded December minimum temperatures in the teens, and they generally occurred between the big rainstorm and the end of the month.

Precipitation was close to normal over most of the region. Western mountain areas received more, especially snowfall. The storm on the 26th was mostly snow in the western mountain areas and that region's biggest snowfall during the month. Northern areas such as Carroll County received 2-4 inches of snow before changing to rain. The two biggest precipitation events of the month were on the 20th-21st and 26th-27th with widespread 1+ inch totals during both events. Generally greater amounts averaging about 1.5" were found during the latter event with about 1" amounts during the earlier event. Specific amounts expressed below are for ACON observers only. Ridge MD had the greatest amount recorded on the 26th-27th with 1.97" with secondary maximums mostly located in Montgomery County. Minimum amounts during this latter event were found in Washington County, with Smithsburg 3 NE coming in with the lowest amount of 0.78". During the earlier event, maximum amounts were found at Forest Glen (1.57") and Glenmont (1.45"). Minimum amounts on the 20th-21st were at Smithsburg 2SW (0.68") and Hagerstown (0.74") once again in Washington County and on the Eastern Shore at Seaford DE (0.75"). Snowfall amounts were generally light during the 24th and 29th. Highest

amounts in north-central Maryland included 2.9" at Manchester and Hagerstown on the 24th and 3.3" at Manchester and Millers on the 29th. A few more notable snowfall amounts fell at the beginning of the storm on the 26th with 5.5" at Smithsburg 3NE, 9.0" in LaVale, and 10.5" in Frostburg. These amounts were higher mostly due to the snow persisting longer before changing to rain, freezing rain and/or sleet. Davis WV had the greatest snow accumulations with 9.0" from the 21st-23rd, 7.6" from the 25th-27th and 10.5" from the 28th-31st. Morning observation times at Frostburg and Davis cause an expansion of the date spread.

Among the 16 ACON observers who record peak wind gusts (PWG), Smithsburg 3NE had a PWG of 56 MPH on the 30th, whereas Westminster (54) and Clarksburg (52) had PWG on the backside of our big storm on the 22nd.



ACON MD/DE Network

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

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Seaford 1W, DE	75	4
Jug Bay Wetlands	74	4
Forest Glen	73	4
Ridge 1N	73	4

MINIMUM TEMPERATURE

Davis 3SE, WV	15	23,31
Frostburg #2	19	6,7
LaVale	19	31

HIGHEST AVG. MAX TEMP

Seaford 1W, DE	54.4
Baltimore 2SE	53.7

LOWEST AVG. MIN TEMP

Davis 3SE, WV	28.1
Frostburg #2	28.2
LaVale	30.7

MAXIMUM PRECIPITATION

Davis 3SE, WV	7.71
Frostburg 2	4.51
Middletown 6N	4.47

MINIMUM PRECIPITATION

Smithsburg 1.5SW	2.92
Smithsburg 3NE	2.99

This month's report was the first joint effort of Alexander McGinnis and Kevin Shaw. Much of the behind the scenes work was done by Alexander, a real wiz with excel compared to my somewhat limited experience. But still, the backbone of the data appearing comes from you observers out there. As much as we attempted to duplicate the format of Gary's reports from the past, I am sure there are a few significant differences, hopefully at least some being just as good or maybe better. Just let us know what you like and what you don't like. We probably made some errors along the way, we will rectify any significant ones in future issues. Thank you for your patience and understanding.

OBSERVER COMMENTS FOR DECEMBER 2012

Nate Mullins/Scott Lohr – LaVale, MD

3rd – Record high minimum temperature of 45° (old 44°, 1982)

9th – Record high minimum temperature of 43° (old 43°, 1971)

20th – Record daily precipitation of 1.05" (old 0.69", 1987).

Heavy rain, sleet, freezing rain

26th – 9 inches of snow and sleet.

29th – 11 inch maximum snow depth for the month.

Joe Terry – Forest Glen, MD

3rd & 4th – Unusually warm with maximum temperature reaching the low 70's both days.

21st – Moderate to heavy rain early with falling temperatures most of the day. The first snowflakes of the season occurred during the late afternoon.

24th – First snow accumulation of the season (only 0.1").

26th – Period of light snow changing to ice pellets during the morning then to rain during the afternoon and becoming heavy at times. Rising temperatures mid-day reaching the high at shortly after 8pm.

Richard Holden – Clarksburg 2ENE, MD

December continued the trend with above normal ave temps.
Precipitation and snowfall were also above normal for Dec.

Jeff Stoudt – Laurel 2E, MD

9th – Rain, mainly 0600-0800; o/w, ocnl drizzle.

26th-27th – Snow/sleet 0730-1030 then steady rain till...dusk, intermittent evening, ending wee hours.

Monthly mean temperature of 42.7° only 0.7° cooler than Nov.

Jug Bay Wetlands – Lothian 2S, MD

17 days with minimum temperatures of 32 or less.

Mac Hutto – Smithsburg 2SW, MD

24th – Cloudy, Snow mid to late PM (2.8") Falling temperatures.

25th – *WHITE CHRISTMAS* AM Fog, partly sunny, not as cold.
2" on ground.

Ralph Hartsock – Westminster 4 SSE MD

24th – snow was a surprise - more than expected (2.8" fell)

Joe Manfre – Baltimore 2SE, MD

29th – 2.0" of snow despite min temp of only 35.

31st – Min of 32 was only occurrence all month. Only 13 days with mins in the 30s all month.

Marty Sharrow – Owings Mills 2SE, MD

26th – Potpourri of Winter Weather (0730-1700) Rain PM (1915-2400).

December had 17 days with fog.

Jim Vaughn – Smithsburg 3NE, MD

26th – Precip of 0.74 of an inch is a new daily high surpassing 0.69 of an inch set in 2009. Snowfall of 5.5 inches is a new daily high smashing the previous high of 3.6 inches set in 1969.

Richard Giannola – Olney 1S, MD

17th – Pre-dawn -RA = 0.01" Fog in morning and throughout rest of day. Fog washed out with evening RA and drizzle. Evening RA totaled 0.04" more.

David Leshner – Davis 3SE, WV

30th & 31st – Max snow depth for the month of 15" both days.
18 days with 1" or more snow on ground.

Kevin Shaw – Gaithersburg 2WNW, MD

Month – Record high average min temp (35.0) broke record of 32.9 set back in 2011. Record mean average temp (42.5) broke record of 42.2 set back in 1984.

Alexander McGinnis – Rockville 2W, MD

29th – AM Max = 36; (33°) S-/S-- 520-535A...then S-/occ. S 907-1150A, R-/SP- 1150A-1245P - snow quickly melting to slush, S-/S - at first wet then quite fluffy 1245-155P (0.1" new ~~fz~~ ~~frz~~).

30th – Wind gust estimated => 40 mph.

Stan Rossen – Glenmont 1NNE, MD

10th – 48° min temp highest min of month.

Bobby Miller – Millers 4NE, MD

26th – Heavy snow (3.0") to sleet to ice to heavy rain

Compiled by Kevin Shaw, MD/DE ACON Report Writer, with data received from dedicated observers. Without your observations each month this report would not be possible.

ACON MD/DE/DC DECEMBER 2012 DATA SUMMARY

COUNTY, STATE		TEMPERATURE									PEAK WIND			PRECIPITATION						SNOWFALL						
OBSERVER	STATION	AVG	AVG	MEAN	MAX	DAY	MIN	DAY		MAX	MAX	MIN	GUST	DIR	DAY	TOTAL	MAX	DAY	DAYS	DAYS	Year	TOTAL	MAX	DAY	Seasn	OBS
	†NWS	MAX	MIN							≥ 90	≤ 32	≤ 32							≥ .01"	≥ 1"	2Date				2Date	TIME
New Castle, DE																										
ILM "Wilmington"	†New Castle 2W	49.5	35.0	42.2	68	3	23	24		0	0	14	60	SSE	21	3.92	1.05	21	14	1	36.31	0.4	0.4	29	0.4	2400
UDeI AG Farm DEOS***	Newark 1S	48.9	34.0	41.4	68	3	23	24		0	0	15	34		22	4.00	1.09	22,26	17	1	38.90					2400
UDeI REC DEOS***	Townsend 1SE	49.6	33.5	41.6	70	4	22	14		0	0	16	36		26	3.86	1.19	26	15	1	38.19					2400
Legates, David	Middletown 6N	49.8	34.5	42.1	69	3	23	4		0	0	15	37		26	4.47	1.27	26	18	2	43.51					2400
Sussex, DE																										
GED Sussex CO Arpt	†Georgetown 1E	54.3	37.1	45.7	73	4	26	14		0	0	14	48	SSE	21	2.99	2.00	26	8	1	36.00					2400
UDeI REC DEOS***	Georgetown 5SW	52.3	35.4	43.9	71	4	23	14		0	0	13	30		27	3.90	1.75	26	14	1	35.33					2400
UDeI REC DEOS***	Harbeson 4SSE	52.4	35.0	43.7	71	4	23	14		0	0	16	28		22	3.83	2.22	26	13	1	43.95					2400
UDeI REC DEOS***	Rehoboth Bch BW	51.8	39.8	45.8	66	3	29	31		0	0	5	52		26	4.58	3.12	26	11	1	45.94					2400
Lamberton, Roy	Seaford 1W	54.4	35.6	45.0	75	4	23	14		0	0	11	38		21	3.40	1.51	26	14	1	35.12					2400
Allegany, MD																										
Latta, Greg	Frostburg 2	41.6	28.2	34.9	65	5	19	6, 7		0	5	24				4.51	1.10	27	18	1	40.83	21.3	10.5	27	28.0	0700
Mullins, Nate	LaVale	43.9	30.7	37.3	66	4	19	31		0	2	19				4.01	1.12	26	14	2	38.15	14.5	9.0	26	14.5	2400
Anne Arundel, MD																										
BWI Airport	†Hanover 1ESE	50.7	34.7	42.7	70	3,4	25	14, 24		0	0	13	46	NW,WNW	27,30	3.11	1.05	26	12	1	37.48	1.4	1.0	26	1.4	2400
Hanson, Dan	Pasadena 2N	50.9	33.9	42.4	71	3	23	14		0	0	14				4.35	1.47	26	16	1	40.60	0.8	0.6	29	0.8	2400
Jug Bay Wetlands	Lothian 2S	52.3	33.7	43.0	74	4	23	13		0	0	15	25		20	4.30	1.49	26	16	1	41.40					2400
Stoudt, Jeff	Laurel 2E	50.3	35.2	42.7	70	4	25	14		0	0	14				3.26	1.29	26	14	1	38.82	1.1	0.8	26	1.1	2359
Baltimore, MD																										
Muller, Ray	Reisterstown	Station Closed Till Spring																						22-24		
Sharrow, Marty	Owings Mills 2SE	47.4	33.1	40.3	66	4	24	14		0	0	17				3.08	1.02	26	10	1	45.89	4.4	2.3	16	4.4	22-24
City of Baltimore, MD																										
MD Science Center	†Balt Inner Harbor	53.6	41.5	47.5	69	3	32	31		0	0	1				2.90	0.96	26	11	1	39.65					2400
Manfre, Joe	Baltimore 2SE	53.7	41.5	47.6	71	4	32	31		0	0	1				3.08	0.96	26	12	0	32.18			0.0		2400
Carroll, MD																										
Close Jr., Herb	Manchester 1SW	47.1	33.3	40.2	71	4	22	31		0	0	17	42		22	3.91	1.28	26	14	1	46.12	9.6	3.3	29	9.7	2300
Hartsock, Ralph	Westminster 5SSE	47.5	33.9	40.7	66	4	25	31		0	0	20	52	WNW	22	4.34	1.39	21	13	2	46.90	7.4	2.8	24	7.4	1800
Miller, Bobby	Millers 4NE	48.2	33.5	40.9	71	4	23	31		0	0	17	42	W	22	4.12	1.41	21	16	1	49.43	9.4	3.3	29	9.5	1800
Charles, MD																										
Brumback, Marty	Bryans Road 2ESE															4.09	1.54	27	12	2	34.52	0.4	0.3	27	0.4	0700
Frederick, MD																										
Glass, Eric	Emmitsburg 2SE	46.7	31.2	39.0	71	5	20	15		0	0	18				3.60	1.33	21	12	1	45.03	9.0	4.0	27	9.0	0700
Montgomery, MD																										
Berger, Ron	Norbeck 1SE	50.3	34.6	42.4	70	4	23	14		0	0	17				3.69	1.45	26	15	1	42.93	1.4	0.8	26	1.4	2200
Cohen, Rob	Potomac 4NNE	50.0	35.2	42.6	70	4	24	14		0	0	15				3.53	1.60	26	11	2	42.96	0.9	0.5	26	0.9	2100

ACON MD/DE/DC DECEMBER 2012 DATA SUMMARY

COUNTY, STATE		TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME	
OBSERVER	STATION	AVG MAX	AVG MIN	MEAN	MAX	DAY MIN	DAY	MAX	MAX MIN	MIN	GUST	DIR	DAY	TOTAL	MAX DAY	DAY	DAYS ≥ .01"	DAYS ≥ 1"	Year 2Date	TOTAL	MAX DAY	DAY		Seasn 2Date
<u>Montgomery, MD (con't)</u>																								
Giannola, Rich	Olney 1S	51.0	35.1	43.1	71	4	26	6,14,23,31	0	0	16			3.39	M		13	1	40.86	1.6	M		1.6	2400
Holden, Richard	Clarksburg 2ENE	48.1	34.1	41.1	69	4	24	13	0	0	16	54	WNW 22	3.99	1.79	26	12	1	47.38	6.8	2.4	26	6.8	2400
McGinnis, Alexander	Rockville 2W	49.5	35.1	42.3	71	4	26	14, 31	0	0	13			3.68	1.64	26	13	1	46.67	2.1	0.9	29	2.1	2400
Rossen, Stan	Glenmont 1NNE	Final Data Delayed			72	4	23	14	0	0	M	24	30	3.78	1.65	26	11	1	40.33	1.5	1.3	26	1.5	2400
Scafide, Tony	Bethesda 3NW	50.0	36.0	43.0	69	4	26	14	0	0	11	22	28	3.27	1.56	26	13	1	37.52					2400
Shaw, Kevin	Gaithersburg 2WNW	50.0	35.0	42.6	71	4	25	14	0	0	14	34	W 22	3.63	1.68	26	11	1	44.36	4.1	1.6	26	4.1	2400
Terry, Joe	Forest Glen	52.5	36.0	44.2	73	4	26	14	0	0	10	38	WSW,WNW 18,22	3.97	1.60	26	13	1	40.31	1.3	1.2	26	1.3	2400
<u>Prince Georges, MD</u>																								
Smith, Brian	Oxon Hill	51.0	35.7	43.4	72	5	25	14, 23	0	0	11			3.26	1.56	27	15	1	29.36	0.7	0.5	30	0.7	0700
<u>St. Mary's, MD</u>																								
Gleason, Wes	Hollywood 3ENE	52.7	38.1	45.4	72	4	28	23, 31	0	0	6	42	SE 21	4.18	1.18	8	15	2	37.57	0.1	0.1	26	0.1	24/7
Zyla, John	Ridge 1N	52.8	39.9	46.1	73	4	27	31	0	0	5	28	SW 21	3.68	1.97	26	14	1	46.91	T	T	24	T	2400
<u>Washington, MD</u>																								
Hutto, Max	Smithsburg 2SW	46.9	31.2	39.0	71	4	20	14	0	0	21	34	22	2.92	0.92	26	13	0	51.00	8.2	3.4	26	8.2	2400
Keefer, Greg	Hagerstown 1E	46.6	31.3	38.9	71	4	20	14, 31	0	0	19	43	NW 22	3.13	0.93	26	12	0	47.01	7.5	2.9	24	7.5	2400
Vaughn, Jim	Smithsburg 3NE	47.0	31.4	39.2	70	4	20	31	0	0	20	56	WNW 30	2.99	0.74	26	12	0	45.13	7.1	5.5	26	7.1	2400
<u>Wicomico, MD</u>																								
SBY Wicomico Arpt	†Salisbury 5ESE	56.4	36.9	46.7	74	4	25	14, 31	0	0	10	49	SSE 21	3.26	1.75	26	12	1	43.23					2400
<u>Arlington, VA</u>																								
DCA National Arpt	†Crystal City 1SE	52.3	38.4	45.3	72	4	29	23, 31	0	0	5	49	NNW 30	3.03	1.42	26	13	1	32.45	0.2	0.2	26	0.2	2400
<u>Loudoun, VA</u>																								
IAD Dulles Intl Arpt	†Chantilly 3N	50.4	33.4	41.9	71	4	21	14, 23	0	0	17	51	W 22	2.87	1.41	26	11	1	35.62	2.2	1.1	26	2.2	2400
Shaffer, Lance	Sterling 4N																							2400
<u>Berkeley, WV</u>																								
MRB East-WV Arpt	†Martinsburg 4SSW	48.0	31.5	39.7	73	4	19	14	0	0	19	60	W 29	3.05	1.24	26	11	1	32.45					2400
<u>Tucker, WV</u>																								
Leshner, David	Davis 3SE	39.3	28.1	31.7	60	5	15	23, 31	0	10	20			7.71	1.26	27	23	1	53.63	29.6	7.3	22	69.7	0700
SECTION AVERAGES*		50.1	34.9	42.5	70	4	24	14	0	0	14	40	22	3.65	1.44	26	13	1	42.41	4.9	2.5	26	4.7	

NOTES:

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA

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

***DATA FROM DEOS (DELAWARE ENVIRONMENTAL OBSERVING SYSTEM) PERMISSION GRANTED FOR USE OF DATA

***REC = UNIVERSITY OF DELAWARE RESEARCH AND EDUCATION CENTER

† NWS/FAA Station

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.

M OR UNDERLINE = MISSING DATA

> = INCLUDED IN NEXT DAYS' DATA (*)

ITALIC = ESTIMATED DATA

+ = ADDITIONAL OCCURRENCES (SEE DAILY DATA)

ANY PRECIP THAT FELL AFTER OBS. ON THE 31th IS INCLUDED IN 1/1/2013 PRECIP DATA.

WINTER TYPE PRECIPITATION FROM STATIONS WITH

TIPPING BUCKET RAIN GAUGE MAY SHOW UNDER CATCH.

ALSO AMOUNTS CAUGHT MAY BE NOTED IN THE FOLLOWING

DAYS AS IT MELTS.

PUBLISHED 5 MARCH 2013

KEVIN SHAW / ALEXANDER MCGINNIS

CORRECTED 13 JANUARY 2014

ACON MD/DE/DC DECEMBER 2012 DAILY TEMPERATURES

STATION	↑NWS	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																									
↑"WILMINGTON"	DE	53	51	68	64	59	42	46	52	49	58	56	46	48	51	50	51	49	60	59	50	56	44	46	40	45	47	44	43	35	39	41	49.5	2400																									
ILM (NEW CASTLE 2W)		38	43	45	49	35	27	29	46	43	45	36	32	30	25	29	43	45	39	34	30	38	33	28	23	32	33	35	30	32	29	29	35.0																										
U DELAWARE REC DEOS		53	55	68	67	60	42	45	50	48	57	55	44	48	51	50	51	48	59	50	49	56	42	46	39	44	45	44	41	34	37	38	48.9	2400																									
NEWARK 2SSW		37	42	45	46	35	27	26	45	43	44	38	32	28	24	28	41	45	38	33	29	36	32	27	23	32	32	34	29	30	29	28	34.0																										
U DELAWARE REC DEOS		55	58	66	70	61	42	46	51	48	64	60	44	46	49	50	51	49	57	49	50	58	42	45	38	44	48	43	41	35	38	39	49.6	2400																									
TOWNSEND 4W		33	40	44	45	34	28	30	45	43	44	37	31	26	22	28	42	45	36	33	29	37	31	26	24	29	29	34	28	30	30	27	33.5																										
MIDDLETOWN 6N		55	54	69	64	60	43	47	51	49	60	56	45	47	52	51	51	49	59	50	50	57	44	46	39	45	48	44	43	36	39	40	49.8	2400																									
LEGATES		39	43	46	46	35	26	29	46	44	44	35	32	28	23	29	42	45	39	33	30	38	33	27	23	31	31	35	28	30	30	30	34.5																										
↑GEORGETOWN		61	60	71	73	62	45	54	55	53	69	65	46	50	53	54	57	56	62	54	55	61	45	48	47	49	54	51	44	42	42	46	54.3	2400																									
GED SUSSEX CO ARPT		31	42	47	49	40	29	28	50	49	52	42	38	30	26	32	45	50	43	37	32	39	33	29	30	31	32	39	32	34	32	27	37.1																										
U DELAWARE REC DEOS		59	59	69	71	60	43	53	52	51	67	63	45	47	51	53	54	55	60	52	53	60	43	45	44	47	53	50	42	40	40	43	52.3	2400																									
GEORGETOWN		30	40	47	46	37	27	26	49	48	51	39	34	27	23	29	44	49	42	34	30	38	33	27	26	33	32	37	31	32	31	27	35.4																										
U DELAWARE REC DEOS		57	58	69	71	60	42	53	54	51	68	63	44	48	52	50	56	54	60	52	53	59	42	46	47	46	54	50	42	41	40	44	52.4	2400																									
HARBESON 8S		31	42	48	47	38	27	26	49	47	51	40	32	26	23	29	43	49	42	32	29	38	31	26	28	29	30	37	31	32	31	26	35.0																										
U DELAWARE REC DEOS		51	57	66	59	61	41	51	55	52	65	64	45	46	52	49	56	53	61	52	52	57	43	47	49	49	53	52	42	43	40	45	51.8	2400																									
REHOBOTH BCH BRDWK		42	43	51	50	40	34	35	49	47	50	44	42	34	31	39	48	48	43	40	38	38	33	31	38	39	39	37	34	35	32	29	39.8																										
SEAFORD		63	61	72	75	60	48	53	53	51	68	61	47	53	56	59	54	55	64	56	53	59	46	50	43	52	52	50	46	41	43	47	54.4	2400																									
LAMBERTON		31	38	46	47	38	28	28	49	48	51	41	36	27	23	31	44	49	40	33	32	38	32	25	27	33	33	37	30	33	30	25	35.6																										
FROSTBURG	MD	52	48	60	58	65	44	38	44	55	48	53	36	36	37	46	44	42	49	41	39	36	36	27	41	36	35	28	26	31	33	26	41.6	700																									
LATTA		28	28	33	47	38	19	19	32	42	40	32	25	20	20	30	31	36	40	32	32	27	23	21	21	24	24	21	23	23	22	21	28.2																										
LAVALE		49	46	62	66	56	40	50	55	43	49	37	39	42	53	43	44	50	48	46	41	33	35	50	35	38	32	31	40	35	33	40	43.9	2400																									
MULLINS		27	33	45	46	40	21	31	37	42	37	31	26	20	20	26	36	36	36	35	33	29	29	27	24	29	27	28	27	29	25	19	30.7																										
↑"BALTIMORE"		50	56	70	70	64	42	48	53	50	61	59	45	47	54	51	50	52	59	54	50	57	42	47	38	48	49	44	42	39	39	41	50.7	2400																									
BWI (HANOVER 1ESE)		34	36	41	46	38	27	30	46	45	45	37	33	28	25	31	43	47	40	33	33	37	33	26	25	30	31	36	31	32	29	27	34.7																										
PASADENA 2N		51	52	71	69	63	42	48	52	50	61	60	47	48	54	52	51	52	59	55	50	57	43	47	39	49	48	44	43	38	40	43	50.9	2400																									
HANSON		33	34	40	45	39	27	28	46	45	45	37	31	26	23	30	43	47	36	33	31	37	32	24	27	30	32	36	28	32	29	25	33.9																										
LOTHIAN 2S		46	59	72	74	64	44	51	56	52	67	60	47	48	54	54	51	53	59	54	53	58	44	48	41	50	50	43	44	40	41	45	52.3	2400																									
JUG BAY WETLANDS		29	31	42	51	37	25	29	47	48	48	36	31	25	23	28	42	47	36	30	32	38	32	24	24	35	33	36	27	31	25	24	33.7																										
LAUREL 2E		48	56	69	70	63	44	49	57	51	60	59	45	46	53	52	50	52	56	52	48	56	41	44	39	46	47	44	42	39	40	40	50.3	2400																									
STOUDT		33	36	44	49	38	28	31	47	47	46	38	35	28	25	32	43	46	38	34	35	37	32	27	26	30	32	35	30	32	29	27	35.2																										
REISTERSTOWN																																																											
MULLER																																																											
OWINGS MILLS 2SE		50	53	64	66	59	41	45	58	50	59	56	43	44	49	48	49	49	53	49	43	55	39	44	37	41	39	39	40	35	37	36	47.4	2400																									
SHARROW		32	35	41	46	35	25	32	42	43	42	34	32	29	24	31	41	44	40	32	32	34	33	26	26	25	27	33	29	29	27	25	33.1																										
BALT INNER HARBOR		55	55	69	68	65	46	51	58	54	63	63	49	52	57	54	55	53	62	57	51	60	45	52	43	50	52	47	46	43	42	44	53.6	2400																									
MD SCIENCE CENTER		43	44	56	51	43	36	39	49	48	48	45	42	40	36	41	48	50	45	41	44	40	36	34	36	38	34	40	38	35	34	32	41.5																										
BALTIMORE 2SE		54	56	69	71	65	45	51	57	54	64	65	49	52	58	54	54	53	62	57	52	60	45	52	42	50	53	46	44	42	44	45	53.7	2400																									
MANFRE		43	44	56	51	42	37	39	49	48	48	45	43	39	36	41	48	50	44	41	47	40	36	34	35	38	34	40	36	35	34	32	41.5																										
MANCHESTER 1SW		48	54	66	71	62	40	43	60	50	57	55	42	46	50	48	47	47	53	48	41	53	37	46	36	40	39	37	38	34	35	38	47.1	2300																									
CLOSE		36	37	47	50	32	26	30	41	42	42	33	31	31	31	37	40	43	35	33	33	32	28	25	29	27	27	30	27	29	25	22	33.3																										
WESTMINSTER 4SSE		47	53	65	66	57	41	49	59	48	61	48	45	43	49	49	51	50	56	50	46	41	39	44	41	45	34	38	42	40	36	39	47.5	1900																									
HARTSOCK		31	31	45	48	43	27	29	43	45	45	40	30	29	27	30	42	45	42	31	29	33	30	26	28	29	29	30	29	29	31	25	33.9																										
MILLERS 4NE		53	55	67	71	61	42	43	62	54	57	56	42	46	51	51	48	47	54	49	44	54	39	48	37	43	36	40	38	35	36	35	48.2	1800																									
MILLER		35	35	46	49	42	26	28	41	43	43	36	29	28	25	31	40	44	42	33	29	35	32	24	26	30	28	32	29	26	29	23	M M																										
BRYANS ROAD 2ESE																																	M M	2355																									
BRUMBACK																																																											

ACON MD/DE/DC DECEMBER 2012 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
EMITTSBURG 2SE MD	50	44	50	67	71	56	40	42	54	47	56	49	42	45	53	50	47	48	54	50	49	41	40	46	36	41	35	37	38	36	35	46.7	0700
GLASS	24	34	36	40	46	24	24	33	41	43	41	29	24	21	20	38	41	40	34	30	31	35	25	24	24	27	28	31	27	29	24	31.2	
NORBECK 1SE	51	55	69	70	65	43	49	61	51	62	60	45	48	54	53	50	51	57	52	46	56	42	46	37	47	43	39	40	38	39	39	50.3	2200
BERGER	31	33	43	48	38	26	30	47	46	47	36	32	27	23	32	43	46	42	32	34	35	32	26	27	31	31	34	31	32	29	28	34.6	
POTOMAC 4N	50	56	68	70	64	45	52	62	51	61	60	46	49	53	54	49	52	57	51	46	54	42	46	37	45	38	38	40	39	39	36	50.0	2100
COHEN	30	32	41	46	42	29	33	46	46	47	40	34	30	24	31	45	47	43	31	34	35	33	28	26	32	32	33	32	32	30	28	35.2	
OLNEY 1S	50	56	69	71	64	44	47	62	51	60	58	46	49	54	53	48	51	58	52	44	54	41	47	M	47	M	M	40	36	38	37	51.0	2400
GIANNOLA	30	33	45	50	44	26	33	45	46	46	35	32	30	26	34	43	46	39	32	35	34	31	26	28	M	M	M	31	31	27	26	35.1	
CLARKSBURG 2ENE	48	54	67	69	61	42	47	61	52	59	48	43	46	52	52	47	51	55	51	47	52	40	45	38	43	38	37	38	37	36	34	48.1	2400
HOLDEN	30	32	49	52	33	27	33	40	44	45	34	31	24	30	37	42	44	38	34	36	33	29	27	31	30	29	32	30	31	25	25	34.1	
ROCKVILLE 2W	47	57	68	71	63	45	48	61	52	60	53	46	49	53	52	48	52	58	51	48	53	40	47	36	47	38	39	41	38	37	37	49.5	2400
McGINNIS	33	34	44	50	36	30	35	44	46	46	38	35	31	26	32	44	46	38	32	36	34	30	28	28	31	30	33	31	33	27	26	35.1	
GLENMONT 1NNE				72								DETAILED DATA DELAYED																				M	2400
ROSSEN										48				23										38								M	
BETHESDA	49	56	68	69	65	43	49	60	52	62	60	45	47	53	52	49	53	56	51	46	56	42	45	38	47	40	40	40	39	38	40	50.0	2400
SCAFIDE	32	34	47	53	38	30	34	46	47	47	43	36	31	26	33	44	47	39	34	37	36	31	27	29	31	31	34	33	33	29	27	36.0	
GAITHERSBURG 2WNW	48	56	67	71	63	44	50	62	52	61	54	45	49	53	52	49	53	57	51	47	53	41	47	39	48	39	41	42	40	40	38	50.0	2400
SHAW	31	32	42	46	37	28	37	46	47	48	37	35	28	25	31	45	46	38	32	37	32	30	25	26	33	32	36	33	34	30	28	35.0	
FOREST GLEN	54	58	72	73	65	47	51	62	51	62	57	47	52	58	56	50	53	60	54	50	56	45	48	39	51	45	43	44	41	42	41	52.5	2400
TERRY	31	36	45	51	36	29	36	48	47	47	37	34	29	26	33	45	47	39	33	37	36	32	27	29	33	32	35	33	35	29	28	36.0	
OXON HILL	52	48	58	71	72	57	44	50	54	51	63	49	44	47	52	53	52	55	60	54	60	43	43	45	45	47	44	43	42	42	41	51.0	2300
SMITH	30	34	35	46	55	32	32	39	48	48	44	37	35	25	27	36	45	48	33	34	37	37	25	26	31	32	31	33	34	33	26	35.7	
HOLLYWOOD 3ENE	50	61	70	72	63	43	51	53	51	68	64	46	49	53	53	54	54	60	54	53	58	45	47	44	48	54	43	44	43	42	45	52.7	2400
GLEASON	35	35	46	51	43	34	34	45	44	50	43	39	32	29	34	46	50	43	35	38	38	37	28	31	39	34	37	32	36	34	28	38.1	
RIDGE 1N	52	62	69	73	61	42	52	56	53	68	63	45	49	53	52	53	54	61	56	53	57	46	47	45	47	52	44	43	41	43	44	52.8	2400
ZYLA	40	39	54	53	43	33	36	48	48	49	44	41	36	34	38	46	50	42	40	40	37	31	28	37	40	35	35	31	37	31	27	39.3	
SMITHSBURG 2SW	49	56	66	71	63	42	41	55	48	53	46	39	45	52	52	49	50	52	48	48	49	38	46	37	40	34	37	37	36	35	40	46.9	2400
HUTTO	28	29	43	45	33	21	29	37	43	44	32	28	21	20	27	41	39	38	34	29	34	30	26	23	31	28	32	27	28	26	21	31.2	
HAGERSTOWN 1E	48	55	66	71	61	42	41	52	48	53	47	39	44	50	51	47	49	54	49	47	49	39	46	36	40	34	37	37	36	36	40	46.6	2400
KEEFER	27	31	41	46	33	23	35	37	43	43	32	28	22	20	27	41	39	34	32	31	34	30	23	25	31	27	33	28	29	24	20	31.3	
SMITHSBURG 3NE	48	57	65	70	64	41	42	55	51	59	45	38	44	50	52	48	51	51	48	48	51	37	46	38	39	36	35	37	36	34	40	47.0	2400
VAUGHN	31	29	51	53	31	23	33	35	41	41	35	30	25	25	31	41	41	34	33	31	29	25	23	25	29	21	27	28	27	24	20	31.4	
†SALISBURY [5ESE]	63	62	72	74	61	47	58	60	57	70	67	48	53	53	57	58	59	64	55	56	62	46	50	50	52	57	47	46	43	44	48	56.1	2400
SBY WICOMICO ARPT	32	36	46	52	41	29	29	50	46	57	42	39	30	25	31	46	53	45	34	38	40	33	26	30	37	37	39	34	34	31	25	37.6	
†"WASHINGTON" VA	51	57	71	72	63	44	50	54	52	63	62	47	50	52	54	52	55	62	54	53	59	45	47	41	51	45	43	45	44	42	41	52.3	2400
DCA (CRYSTAL CITY 1SE)	37	37	44	49	40	35	37	48	49	49	41	39	35	30	37	46	48	43	36	41	39	35	29	31	34	33	37	36	34	32	29	38.4	
†DULLES ARPT	47	56	69	71	61	45	51	62	53	63	52	45	49	53	53	48	53	58	53	52	55	42	47	38	47	39	41	41	42	40	36	50.4	2400
IAD (CHANTILLY 3N)	28	29	41	48	37	26	36	42	47	48	38	35	26	21	28	43	45	31	29	32	36	32	21	23	31	31	34	31	33	29	23	33.4	
STERLING 4N																																M	2400
SHAFFER																																M	
DAVIS 3SE	46	52	54	52	60	39	50	48	51	51	50	26	32	41	43	48	48	49	35	35	38	20	20	34	36	32	28	20	32	31	18	39.3	0700
LESHER	34	35	45	48	33	21	27	45	45	45	26	20	20	20	29	36	41	35	28	27	20	18	15	18	28	24	20	18	18	17	15	28.1	
†MARTINSBURG 4SSW	49	61	66	73	64	43	42	54	49	55	48	40	45	55	52	47	50	54	51	45	46	40	48	37	43	35	37	39	41	37	41	48.0	2400
MRB EAST-WV ARPT	29	32	44	44	35	23	33	35	44	45	31	28	21	19	26	41	36	36	32	32	35	30	22	27	31	29	33	29	31	24	20	31.5	

ACON MD/DE/DC DECEMBER 2012 DAILY PRECIPITATION & SNOWFALL

STATION	†NWS	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	TOTALS	OBS
†"WILMINGTON" DE ILM (NEW CASTLE 2W)		0.02			T			0.22	0.10	0.31	0.05	0.09					0.05	0.07	0.22		0.39	1.05			0.14 T		0.98 T			0.23 0.4			3.92 0.4	2400
U DELAWARE REC DEOS NEWARK 2SSW		0.02						0.27	0.05	0.25	0.02	0.14					0.06	0.09	0.12		0.44	1.09			0.16		1.09	0.01		0.11	0.07	0.01	4.00 0.0	2400
U DELAWARE REC DEOS TOWNSEND 4W		0.01						0.45	0.20	0.31	0.07	0.12					0.10	0.06	0.10			0.19	0.69		0.14		1.19	0.07		0.16			3.86 0.0	2400
MIDDLETOWN 6N LEGATES		0.02						0.24	0.14	0.47	0.15	0.10				0.01	0.06	0.07	0.17			0.34	1.03		0.16		1.27	0.06		0.13	0.04	0.01	4.47 0.0	2400
†GEORGETOWN GED SUSSEX CO ARPT		T			T			0.41	0.12	0.02	0.04	T					0.01	T	T		T	T			0.14		2.00			0.25			2.99 0.0	2400
U DELAWARE REC DEOS GEORGETOWN	0.01	0.01						0.46	0.12	0.02	0.10						0.10	0.06	0.06		0.23	0.61			0.14		1.75			0.24			3.91 0.0	2400
U DELAWARE REC DEOS HARBESON 8S		0.01						0.20	0.04	0.01	0.01						0.07	0.06	0.04		0.19	0.57			0.14		2.22			0.27			3.83 0.0	2400
U DELAWARE REC DEOS REHOBOTH BCH BRDWK					0.01			0.14	0.05								0.09	0.09	0.01		0.10	0.57			0.14		3.12			0.26			4.58 0.0	2400
SEAFORD LAMBERTON		0.01						0.48	0.08	0.04	0.05						0.07	0.04	0.02		0.24	0.51			0.12		1.51	0.01		0.22			3.40 0.0	2400
FROSTBURG MD LATTA			0.14		0.01			0.13	0.10	0.24	0.37	0.15	T				0.02	0.03	0.32	0.05		0.93 T	0.15 4.0	T		0.20 1.0		1.10 10.5	0.12 0.7	0.27 2.4	0.18 2.7	T	4.51 21.3	0700
LAVALE MULLINS		0.03		0.02				0.13	0.02	0.45	0.11						0.03	0.32	0.09	0.01	1.05 0.5	T			0.25 2.0	T	1.12 9.0		T	0.38 3.0			4.01 14.5	2400
†"BALTIMORE" BWI (HANOVER 1ESE)		T						0.02	0.03	0.19	T	0.09				T	0.07	0.14	T		0.69	0.47			0.17 T		1.05 1.0	0.03		0.16 0.4			3.11 1.4	2400
PASADENA 2N HANSON	0.01							0.30	0.04	0.29	0.01	0.10					0.19	0.11	0.01		0.68	0.68			0.18		1.47 0.2	0.10		0.17 0.6	0.01		4.35 0.8	2400
LOTHIAN 2S JUG BAY WETLANDS	0.01	0.01			0.01			0.63		0.18		0.14				0.01	0.07	0.07	0.01		0.81	0.50			0.20		1.49	0.02		0.14			4.30 0.0	2400
LAUREL 2E STOUDT		0.01						0.02	0.02	0.27	0.01	0.09					0.05	0.12	T	T	0.64	0.36 T			0.20 0.1		1.29 0.8	0.05		0.13 0.2			3.26 1.1	2400
REISTERSTOWN MULLER																																		2400
OWINGS MILLS 2SE SHARROW		T						0.03	T	0.31	T	0.03					T	0.07	T		0.44	0.78 T			0.19 1.3		1.02 2.3	0.04		0.17 0.8			3.08 4.4	2400
BALT INNER HARBOR MD SCIENCE CENTER								0.03	M	M		0.10					0.02	0.10			0.67	0.58			0.20		0.96	0.10		0.14			2.90 0.0	2400
BALTIMORE 2SE MANFRE								0.02	0.06	0.17	T	0.10					0.04	0.14			0.68	0.47			0.20		0.96	0.10		0.14			3.08 0.0	2400
MANCHESTER 1SW CLOSE		0.01						0.14	T	0.36	0.01	0.03				T	0.01	0.11	0.03	T	0.53	0.74 T			0.29 2.9		1.28 3.0	0.16 0.1		0.20 3.3	0.01 0.3		3.91 9.6	2300
WESTMINSTER 4SSE HARTSOCK			0.03					0.20		0.25	0.06	0.04						0.03	0.14		0.02	1.39 T			0.35 2.8		1.10 2.4	0.52		0.21 2.2	T		4.34 7.4	1900
MILLERS 4NE MILLER		0.01						0.11	0.01	0.34	0.06	0.03					0.01	0.03	0.18		0.03	1.41 T	T		0.24 2.1	0.10 0.8	0.99 3.0	0.31 0.2		0.26 3.3	T		4.12 9.4	1800
BRYANS ROAD 2ESE BRUMBACK								0.02	0.45	0.04	0.10	0.15					0.18	0.03	0.08			1.16				0.17 T	T	1.54 0.1			0.17		4.09 0.4	0700

ACON MD/DE/DC DECEMBER 2012 DAILY PRECIPITATION & SNOWFALL

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	TOTALS	OBS	
EMITTSBURG 2SE MD GLASS			0.03				T	0.14	0.23	0.27	0.03					0.01		0.32			1.33				T 2.0	0.29 4.0	0.60		T	0.11	0.24	3.60 9.0	0700	
NORBECK 1SE BERGER		0.01					0.02	0.01	0.21	0.01	0.02					0.03	0.03	0.06		0.36	0.94			0.24 0.3		1.45 0.8	0.13		0.17 0.3			3.69 1.4	2200	
POTOMAC 4N COHEN		T					0.02		0.28	0.01	0.01					T	0.01	0.06	T	0.10	1.02 T			0.27 0.1		1.60 0.5	0.15		0.3			3.53 0.9	2100	
OLNEY 1S GIANNOLA		T					0.07	0.03	0.27	0.02	0.02					0.01	0.05		T	>	0.99* T			> >	> >	1.77* 1.1*		0.16 0.5	T		0.63 0.5	2400		
CLARKSBURG 2ENE HOLDEN		T					0.06		0.34		0.04					0.03	0.04	0.01		0.62	0.40 0.1			0.38 2.3		1.79 2.4	0.05 T		0.23 2.0			3.99 6.8	2400	
ROCKVILLE 2W McGINNIS		0.02					0.03	T	0.34	0.02						0.02	0.04	0.01		0.70	0.40 T			0.23 0.5		1.64 0.7	0.05 T		0.18 0.9			3.68 2.1	2400	
GLENMONT 1NNE ROSSEN		0.01			T		T	T	0.16		0.02				T	0.02	0.06		T	0.81	0.64 T			0.24 0.2		1.65 1.3	0.04		0.13 T	T		3.78 1.5	2400	
BETHESDA SCAFIDE							0.02		0.14	0.01	0.02					0.04	0.05			0.52	0.51			0.20	0.01	1.56	0.05		0.14			3.27 0.0	2400	
GAITHERSBURG 2WNW SHAW		T					0.01	T	0.26	T	0.05				T	0.05	0.03	T		0.54	0.46 T			0.32 1.4		1.68 1.6	0.02		0.21 1.1			3.63 4.1	2400	
FOREST GLEN TERRY		0.01					0.01		0.19	0.01	0.07					0.05	0.08			0.94	0.63 T			0.21 0.1		1.60 1.2	0.03		0.14 T			3.97 1.3	2400	
OXON HILL SMITH			0.01		T	0.01	0.01	0.10	0.03	0.10	0.12					0.05	0.05	0.03			0.81	T			0.16 T	0.01 0.1	1.56			0.21 0.5			3.26 0.7	2300
HOLLYWOOD 3ENE GLEASON						0.02	0.01	1.18	0.02	0.25	0.05					0.07	0.02	0.08			0.91	0.06			0.14 0.1	0.13 1.08			T	0.16			4.18 0.1	2400
RIDGE 1N ZYLA		0.01			0.01		0.15	0.01	0.02	0.08						0.14	0.01	0.03		0.26	0.57			0.23 T		1.97			0.19			3.68 0.0	2400	
SMITHSBURG 2SW HUTTO		0.02					0.14	0.01	0.33	0.10						0.01	0.24	0.01		0.26	0.42			0.25 2.8		0.92 3.4			0.21 2.0			2.92 8.2	2400	
HAGERSTOWN 1E KEEFER		0.02					0.13	0.02	0.38	0.11						0.02	0.22			0.38	0.36 T	T		0.30 2.9		0.93 2.4	T		0.26 2.2	T		3.13 7.5	2400	
SMITHSBURG 3NE VAUGHN		0.02					0.13	0.02	0.28	0.08						0.02	0.30			0.56	0.64			0.16 1.6		0.74 5.5	0.04						2.99 7.1	2400
†SALISBURY [5ESE] SBY WICOMICO ARPT		T			T		0.03	0.02	0.01	0.04					T	0.16	0.04	0.05		0.16	0.61			0.10		1.75			0.29			3.26 0.0	2400	
†"WASHINGTON" VA DCA (CRYSTAL CITY 1SE)		0.02			T		0.05		0.14	0.01	0.07					0.09	0.07	T		0.56	0.26			0.14 T		1.42 0.2	0.02		0.18 T			3.03 0.2	2400	
†DULLES ARPT IAD (CHANTILLY 3N)		0.02					0.01		0.16		0.01				T	T	0.04	T		0.50	0.42			0.20 0.2		1.41 1.1	0.01		0.09 0.9			2.87 2.2	2400	
STERLING 4N SHAFFER																																M M	2400	
DAVIS 3SE WV LESHER			0.60	0.10	0.31		0.04	0.41	0.57	0.30	0.64 1.3	0.02 0.2				0.03	0.03	0.12	0.69 1.0		0.73 0.8	0.67 7.3	0.06 0.9		0.30 1.6	0.09 0.4	1.26 5.6	0.10 0.6	0.23 1.2	0.34 6.8	0.07 1.9	7.71 29.6	0700	
†MARTINSBURG 4SSW MRB EAST-WV ARPT		T					0.13	T	0.41	0.06	0.03					T	0.08	T		0.31	0.26			0.34		1.24	0.04		0.15			3.05 0.0	2400	