

ACON MD/DE/DC JULY 2013 DATA SUMMARY (PAGE 1/2)

COUNTY, STATE		TEMPERATURE						PEAK WIND			PRECIPITATION					SNOWFALL		OBS TIME			
OBSERVER	STATION	AVG MAX	AVG MIN	MEAN	MAX DAY	MIN DAY	MAX ≥90	MAX ≤32	MIN ≤32	GUST	DIR	DAY	TOTAL	MAX DAY	DAY	DAYS ≥.01"	DAYS ≥1"		Year 2Date	TOTAL	Seasn 2Date
KENT, DE																					
Delaware DOT	·Dover 1SE	87.6	70.9	79.3	97 17	61 30,31	10	0	0	47	SW	21	9.05	5.56	12	10	1	34.19	0.0	0.0	1600
U of D REC DEOS*	Sandtown	85.7	70.1	77.9	94 17	57 30	8	0	0	19		23	6.50	3.50	12	7	2	28.39			2400
NEW CASTLE, DE																					
Legates, David	Middletown 6N	86.7	70.1	78.4	96 18	58 30	10	0	0	22	SSW	20	5.24	1.82	12	14	1	27.36	0.0		2400
ILG - Wilmington	†New Castle 2WNW	87.7	71.7	79.7	96 18	61 30	13	0	0	31	N	28	6.63	3.41	12	9	3	33.69	0.0	0.0	2400
SUSSEX, DE																					
Lamberton, Roy	Seaford 1W	90.6	71.4	81.0	100 17	59 30	20	0	0	24	SW	8	3.15	1.00	12	9	1	23.41	0.0	0.0	2400
GED - Sussex Co Arpt	†Georgetown 1E	87.2	71.7	79.5	97 17	60 30	10	0	0	33	WSW	28	4.05	1.50	28	12	2	31.14			2400
U of D REC DEOS*	Rehoboth Beach BW	84.1	71.3	77.7	96 19	65 13	8	0	0	18		2,12	10.92	6.77	12	9	3	33.94			2400
ALLEGANY, MD																					
Latta, Greg	·Frostburg #2	79.0	61.5	70.3	89 19	51 25-27,29	0	0	0				3.94	0.91	6	18	0	23.80	0.0	0.0	0700
Mullins, Nate**	LaVale	84.2	65.8	75.0	95 18	53 26	7	0	0				2.68	0.69	7	14	0	18.81	0.0	0.0	2400
ANNE ARUNDEL, MD																					
Hanson, Dan	Pasadena 2N	87.9	70.0	79.0	97 15	57 30	11	0	0	29	W	7	2.62	1.10	12	15	1	24.45	0.0	0.0	2400
Jug Bay Wetlands	Lothian 2S	89.3	69.0	79.2	99 18	58 30	16	0	0	14		2,7	3.75	1.22	12	13	1	20.42			2400
Stoudt, Jeff	Laurel 2E	85.6	71.2	78.4	96 18,19	62 25,30	8	0	0				5.24	1.97	19	14	1	28.21	0.0	0.0	2359
BWI - Baltimore	†Hanover 1ESE	87.6	70.5	79.0	97 18	59 30	9	0	0	35	W	7	2.77	0.66	12	12	0	24.44	0.0	0.0	2400
BALTIMORE, MD																					
Muller, Ray	Reisterstown	85.4	69.5	77.5	98 18,19	58 25	7	0	0	26	NW	21	4.26	0.82	12	13	0	27.86	0.0	0.0	2100
Sharrow, Marty	Owings Mills 3SE	85.9	69.5	77.7	97 18,19	58 25	10	0	0				3.29	0.82	12	10	0	27.32	0.0	0.0	22-24'
CITY of BALTIMORE, MD																					
Manfre, Joe	Baltimore 2SE	90.7	75.7	83.2	101 18	66 25	18	0	0				2.97	0.76	12	14	0	27.30	0.0	0.0	2400
DMH - MD Sci Center	†Balt Inner Harbor	91.1	75.7	83.4	100 19	66 25	18	0	0				3.47	0.94	12	15	0	26.31			2400
CARROLL, MD																					
Close Jr., Herb	Manchester 1SW	84.5	66.2	75.4	95 18,19	52 25	6	0	0	30	WNW	19	3.49	1.19	28	16	1	24.87	0.0	0.0	2300
Hartsock, Ralph	Westminster 4SSE	90.1	69.7	79.9	100 19	58 25,30	17	0	0	39	WSW	19	1.97	0.38	12	12	0	24.97	0.0	0.0	1800
Miller, Bobby	·Millers 4NE	84.5	66.7	75.6	94 18	53 25	7	0	0	43	NW	19	4.73	0.96	23	16	0	26.36	0.0	0.0	1800
CHARLES, MD																					
Brumback, Marty	Bryans Road 2ESE	87.5	71.0	79.3	95 18	61 30	9	0	0	29	SW	10	3.29	1.39	3	15	1	11.49	0.0	0.0	0700
FREDERICK, MD																					
Glass, Eric	·Emmitsburg 2SE	85.0	66.6	75.8	94 18,19	54 25	5	0	0				2.83	0.69	23	13	0	19.77	0.0	0.0	0700
GARRETT, MD																					
Sines Deep Creek	·McHenry 3SW	78.8	58.6	68.7	87 19,20	46 30	0	0	0				5.65	1.53	23	17	1	29.66	0.0	0.0	0700
HARFORD, MD																					
Conowingo Dam	·Darlington 1ENE	84.5	68.5	76.5	94 19	59 31	8	0	0				8.41	3.10	10	7	3	34.56	0.0	0.0	0700
Phillips Army Air Field	·Aberdeen 2S	86.1	70.9	78.5	95 16	61 25	8	0	0				6.41	1.63	1	13	3	29.13	0.0	0.0	0700
MONTGOMERY, MD																					
Berger, Ron	Norbeck 1ESE	85.7	69.2	77.5	95 17-19	58 30	9	0	0				3.68	0.83	12	14	0	26.61	0.0	0.0	2200
Cohen, Rob	Potomac 4NNE	85.0	70.2	77.6	94 19	60 30	7	0	0				4.98	1.16	12	15	1	26.64	0.0	0.0	2100
Giannola, Rich	Olney 1S	85.0	69.4	77.2	95 19	58 30	7	0	0				3.78	M	22	16	3	25.88	0.0	0.0	2400
Holden, Rick	Clarksburg 2ENE	83.9	67.6	75.8	93 18,19	56 25	7	0	0	27	NW,SSW	7,20	4.86	1.60	20	14	3	34.97	0.0	0.0	2400

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COUNTY, STATE		TEMPERATURE						PEAK WIND			PRECIPITATION					SNOWFALL		OBS TIME			
OBSERVER	STATION	AVG MAX	AVG MIN	MEAN	MAX DAY	MIN DAY	MAX ≥90	MAX ≤32	MIN ≤32	GUST	DIR	DAY	TOTAL	MAX DAY	DAY	DAYS ≥.01"	DAYS ≥1"		Year 2Date	TOTAL	Seasn 2Date
MONTGOMERY, MD (CON'T)																					
McGinnis, Alexander	Rockville 2W	85.1	70.0	77.6	94 18	60 30	8	0	0				4.74	0.88	3	14	0	27.75	0.0	0.0	2400
Rossen, Stan	Glenmont 1NNE	86.4	70.5	78.4	95 18	59 30	12	0	0	12		5,27	4.59	1.47	3	15	1	27.61	0.0	0.0	2400
Scafide, Tony	Bethesda 3NW	85.0	70.4	77.7	94 18	60 30	7	0	0	15		7	4.77	2.75	12	13	2	27.04			2400
Shaw, Kevin	Gaithersburg 2WNW	85.4	69.8	77.6	94 18,19	59 30	9	0	0	23	N	7	5.30	1.58	22	17	2	31.14	0.0	0.0	2400
Terry, Joe	Forest Glen	89.1	70.3	79.7	98 18,19	58 30	14	0	0	24	NW	7	4.80	1.60	12	13	2	27.04	0.0	0.0	2400
PRINCE GEORGE'S, MD																					
Smith, Brian	·Oxon Hill	87.5	70.8	79.2	95 17,19,20	63 26,30,31	11	0	0				4.50	2.70	12	12	1	28.29	0.0	0.0	0700
ST. MARY'S, MD																					
Gleason, Wes	Hollywood 3ENE	85.9	73.7	79.8	95 17	66 30	7	0	0				6.02	1.53	12	11	3	28.72	0.0	0.0	24T/7P
Hastings, Sandy	·Mechanicsville 4NNE	84.8	69.4	77.1	92 19,20	59 25	5	0	0				3.06	1.03	3	12	1	26.35	0.0	0.0	0700
Zyla, John	Ridge 1N	86.8	72.9	79.9	96 18	66 26	11	0	0	21	SW	10	4.84	1.33	11	11	2	32.37	0.0	0.0	2400
TALBOT, MD																					
Swaine III, John	·Royal Oak 2SSW	88.4	72.8	80.6	96 17	62 30	14	0	0				3.32	1.16	12	8	1	28.11	0.0	0.0	1700
WASHINGTON, MD																					
Hutto, Mac	Smithsburg 3WNW	85.2	66.6	75.9	96 17	54 25	6	0	0	26	SSE	7	3.69	1.12	19	16	1	23.34	0.0	0.0	2400
Keefer, Greg	Hagerstown 1E	86.4	67.8	77.1	97 19	56 25,29,30	9	0	0	47	W	7	3.32	0.94	7	14	0	22.99	0.0	0.0	2400
Vaughn, Jim	Smithsburg 3NE	87.8	67.6	77.7	102 18	54 25	12	0	0	41		19	3.20	0.85	7	15	0	31.77	0.0	0.0	2400
WICOMICO, MD																					
SBY - Wicomico Arpt	†Salisbury 5ESE	89.3	72.7	81.0	97 17,18	62 30	16	0	0	32	SSW	2	3.81	2.27	12	6	1	32.38	0.0	0.0	2400
ARLINGTON, VA																					
DCA - National Arpt	†Crystal City 1SE	88.3	74.2	81.2	97 17	65 25	11	0	0	39	SSW	10	4.43	1.39	12	11	2	26.98	0.0	0.0	2400
LOUDOUN, VA																					
IAD - Dulles Intl Arpt	†Chantilly 3N	86.9	69.6	78.3	96 18	58 26	9	0	0	32	WNW	7	7.27	3.71	11	13	2	25.90	0.0	0.0	2400
BERKELEY, WV																					
MRB - East-WV Arpt	†Martinsburg 4SSW	86.1	66.7	76.4	96 19	53 26	8	0	0	40	W	7	3.14	0.78	22	15	0	18.40	0.0	0.0	2400
GRANT, WV																					
Durst, Steven	·Bayard	79.1	57.2	68.1	87 19	44 26,27	0	0	0				5.03	1.30	23	16	1	30.55	0.0	0.0	0700
TUCKER, WV																					
Leshner, David	·Davis 3SE	74.8	57.4	66.1	83 19,20	45 26	0	0	0				5.03	0.86	13	17	0	36.65	0.0	0.0	0700
MD/DE/VA SECTION AVERAGES		86.6	70.1	78.4	96	59	10	0	0	29			4.58	1.69		13	1	27.28	0.0	0.0	

NO WEST VIRGINIA DATA INCLUDED

STATION NOTES:

48 SITES: 10 AUTOMATED, 12 COOP, 26 INDEPENDENT

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

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

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

SPECIAL THANKS TO JEFF TAYLOR FOR ASSISTING WITH DATA ENTRY AND QUALITY CONTROL ON MOUNTAIN COOP SITES

† NWS/FAA Station

·COOP Station

OBSERVATIONS AT DAYLIGHT TIME

DATA LEGEND & NOTES:

M OR UNDRLINE = MISSING DATA

ITALICS = ESTIMATED DATA

> = INCLUDED IN NEXT DAYS' DATA (*)

+ = ADDITIONAL OCCURRENCES (SEE DAILY 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.

ANY PRECIP THAT FELL AFTER OBS. ON THE 31ST IS INCLUDED IN 8/1/2013 PRECIP DATA.

TEMPERATURE FREQUENCY STATS INCLUDE READINGS ROUNDED TO THE NEAREST WHOLE DEGREE, I.E. 89.6°F COUNTED AS ≥ 90

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.

ACON MD/DE/DC JULY 2013 DAILY PRECIPITATION & SNOWFALL (PAGE 1/2)

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
DOVER 1SE DE DOT	DE	0.73	0.07	0.29							0.02	0.79	5.56	0.64								M	0.41	0.51	T								9.05 0.0	1600 EDT
SANDTOWN U of D REC DEOS		0.43	0.57	0.01								0.06	3.50	0.51										1.42									6.50 —	2400 EDT
MIDDLETOWN 6N LEGATES		0.74	0.04	0.01					0.03		0.16	0.03	1.82	0.35							0.57	0.01	0.97	0.28					0.21	0.02			5.24 —	2400 EDT
NEW CASTLE 2WNW †ILG - WILMINGTON		1.41	0.13					T	0.06	0.04	0.33	3.41	T			T						T		0.18		0.01			1.06			6.63 0.0	2400	
SEAFORD 1W LAMBERTON		0.86	0.22	0.15							0.40	1.00	0.05											0.08					0.14	0.25			3.15 0.0	2400 EDT
GEORGETOWN 1E †GED - SUSSEX CO ARPT		0.08	0.02	0.11				0.03	T	T	0.15	0.01	1.40	T							T	0.04	0.21	0.28					1.50	0.22			4.05 —	2400
REHOBOTH BEACH BW U of D REC DEOS		1.39	0.05	0.08								0.85	6.77											0.25		0.02			0.06				10.92 —	2400 EDT
FROSTBURG #2 -LATTA	MD	0.30	0.17	0.10	0.02	0.02	0.91		0.77	0.04	0.16	0.02	0.23	0.07	0.02						0.03	0.09		0.64	0.22				0.13	T			3.94 0.0	0700 EDT
LaVALE MULLINS		0.12	0.10	0.42	T	0.31	0.07	0.69	T	T	0.22	0.09	0.17	T							0.03	T	0.23	0.18				0.02	T			0.03	2.68 0.0	2400 EDT
PASADENA 2N HANSON			0.08	0.38				0.01	0.02		0.05	0.23	1.10	0.03	0.01					0.26	0.02		0.07	0.01	0.30			0.05					2.62 0.0	2400 EDT
LOTHIAN 2S JUG BAY WETLANDS		0.05	0.82	0.01				0.06	0.01	0.21	0.02	1.22	0.95											0.18	0.03			0.18		0.01			3.75 —	2400 EDT
LAUREL 2E STOUDT		0.42	0.05	0.80				0.23	0.04	0.01	0.04	0.33	0.55	0.28														0.34	0.02	T		T	5.24 0.0	2359
HANOVER 1ESE †BWI - BALTIMORE		0.26	0.05	0.59	T			0.11	0.01	T	T	0.22	0.66	0.31						T	0.38	T	T	0.07	0.06			0.05	T				2.77 0.0	2400
REISTERSTOWN MULLER		0.33	0.27	0.26				0.18	T	0.04		0.10	0.82	0.71							0.03				0.34			0.67	0.38	0.13			4.26 0.0	2100 EDT
OWINGS MILLS 3SE SHARROW		0.55	0.11	0.15				T		T	T	0.03	0.82	0.03							T	T	T	0.75	0.11			0.66	0.08			T	3.29 0.0	22-24' EDT
BALTIMORE 2SE MANFRE		0.20	0.04	0.32				0.04		T		0.23	0.76	0.38						0.52	0.18	0.05	0.09	0.08				0.03	0.05				2.97 0.0	2400 EDT
BALT INNER HARBOR †DMH - MD SCI CENTER		0.13	0.02	0.40				0.05				0.23	0.94	0.39						0.62	0.16	0.18	0.07	0.11	0.10			0.02	0.05				3.47 —	2400
MANCHESTER 1SW CLOSE		0.17	0.03	0.22				0.09	0.14		0.02	0.01	0.66	0.10							0.03	0.08		0.37	0.04			0.27	1.19	0.07			3.49 0.0	2300 EDT
WESTMINSTER 4SSE HARTSOCK		0.05	T	0.35				0.04		0.06	0.04	T	0.38	0.17	0.06									0.28				0.15	0.17	0.22			1.97 0.0	1800 EDT
MILLERS 4NE -MILLER		0.22	0.03	0.21				0.04	0.15	T	0.25	0.04	0.52	0.19	0.66							T	0.02	0.02	0.96			0.51	0.27	0.64			4.73 0.0	1800 EDT
BRYANS ROAD 2ENE BRUMBACK		0.14	0.02	1.39	0.05			0.06	0.02	0.05	0.36	0.70	0.10	0.17										0.04		T			0.10	0.02		0.07	3.29 0.0	2359 EDT
EMITTSBURG 2SE -GLASS		0.28	0.10		0.14			0.23		0.09		0.07	0.32	0.01							0.15	0.04		0.69				0.57	0.14	0.14			2.83 0.0	0700 EDT
McHENRY 3SW -SINES DEEP CREEK		0.30	0.30		0.03		0.24	0.72	0.09	0.59		0.20	0.30		0.04		0.04				0.10	0.52		1.53	0.40			0.25	M				5.65 0.0	0700 EDT
DARLINGTON 1ENE -CONOWINGO DAM		1.46	0.47						0.25	3.10														2.10	0.15				0.88				8.41 0.0	0700 EDT

ACON MD/DE/DC JULY 2013 DAILY PRECIPITATION & SNOWFALL (PAGE 2/2)

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		
ABERDEEN 2S ·PHILLIPS ARMY AIR FLD	MD	1.63	0.12	0.11	0.07				0.01	0.09		0.03	0.09	1.38								M	1.61	0.69	0.14					0.44			6.41 0.0	700		
NORBECK 1ESE BERGER		0.12	0.15	0.65				0.14	0.06	T		0.21	0.83	0.02					T	T		0.01		0.41				0.76	0.19	0.12		0.01	3.68 0.0	2200 EDT		
POTOMAC 4NNE COHEN		0.25	0.09	0.89				0.21	0.08	0.03	T	0.16	1.16	0.03							0.48	0.02		0.37				0.79	0.33	0.09			4.98 0.0	2100 EDT		
OLNEY 1S GIANNOLA		0.07	0.06	0.48				0.53		0.01		0.31	0.77	T							0.11	0.03	>	1.00				>	0.32	0.09			3.78 0.0	2400 EDT		
CLARKSBURG 2ENE HOLDEN		0.02	0.02	0.30				0.38	T	0.01	T	0.01	0.67	0.11			T					1.60	T	0.54	0.43			0.41	0.30			0.06	4.86 0.0	2400		
ROCKVILLE 2W McGINNIS		0.07	0.08	0.88				0.29	0.07	T	0.32	0.18	0.86	T					T			0.03	0.42					0.85	0.11			0.04	4.74 0.0	2400		
GLENMONT 1NNE ROSSEN		0.19	0.04	1.47				0.15	0.03	T	0.01	0.30	0.97	0.01						0.46		0.01	0.08					0.54	0.30			0.03	4.59 0.0	2400		
BETHESDA 3NW SCAFIDE		0.08	0.07	1.11				0.16	0.06			0.09	2.75						0.03			0.02		0.07				0.20	0.10			0.03	4.77 —	2400 EDT		
GAITHERSBURG 2WNW SHAW		0.05	0.07	0.58				0.56	0.04	T	T	0.07	0.84	0.05							0.02	0.11	0.01	1.58	0.06				1.14	0.07	0.03		0.02	5.30 0.0	2400 EDT	
FOREST GLEN TERRY		0.16	0.05	1.45				0.24	0.05	T	T	0.61	1.60	0.01								0.02	T	0.05				0.45	0.09			0.02	4.80 0.0	2400 EDT		
OXON HILL ·SMITH		0.06	0.18	0.25	0.01				0.05		T	0.32	2.70	0.09	0.15								T	0.60					0.06	0.03				4.50 0.0	0700 EDT	
HOLLYWOOD 3ENE GLEASON		1.03	0.75	0.38	0.06							0.69	1.53	0.23	0.01								0.14	0.03					>	1.17			6.02 0.0	700 EDT		
MECHANICSVILLE 4NNE ·HASTINGS		0.05	0.25	1.03	0.06				0.03		T	0.10	0.84	0.43	0.07								0.03						0.12	0.05				3.06 0.0	0700 EDT	
RIDGE 1N ZYLA		1.09	0.73	0.08					0.07	0.19	0.37	1.33	0.49										0.10	0.22										4.84 0.0	2400 EDT	
ROYAL OAK 2SSW ·SWAINE		0.45	0.77		0.04				0.03	T		0.16	1.16	0.06																	0.65			3.32 0.0	1700 EDT	
SMITHSBURG 3WNW HUTTO		0.01	0.02	0.01				0.85		0.22	0.03		0.43	0.22	0.02								1.12	0.03	0.12	0.49	0.02								3.69 0.0	2400 EDT
HAGERSTOWN 1E KEEFER		0.02	0.02	T	0.01			0.94		0.15	0.04		0.26	0.10			T				0.76	0.23	0.17	0.53	0.05				T	0.04			T	3.32 0.0	2400 EDT	
SMITHSBURG 3NE VAUGHN		0.02	0.13	0.02				0.85	0.02	0.16	0.03		0.29	0.15									0.06	0.40	0.03				0.06	0.16					3.20 0.0	2400 EDT
SALISBURY SESE †SBY WICOMICO ARPT		0.67	0.20						T	T		0.47	2.27	T								0.01	T			0.19			T	T				3.81 0.0	2400	
CRYSTAL CITY 1SE †DCA - NATIONAL ARPT	VA	0.60	0.17	0.15				0.04	0.04	T	0.57	T	1.39	0.07								1.04		T	0.10	T				0.26	T		T	4.43 0.0	2400	
CHANTILLY 3N †IAD - DULLES ARPT		0.01	0.09	0.62				0.08	0.11	T	T	3.71	1.14	0.01									0.13	0.22					0.92	0.09			0.14	7.27 0.0	2400	
MARTINSBURG †MRB EAST-WV ARPT	WV	T	0.02	0.08				0.66	0.01	0.12	0.35	T	0.40	0.01	0.01		0.02					T	0.18	0.78	0.04				0.07	0.39			T	3.14 —	2400	
BAYARD ·DURST		0.11	0.52		0.27	0.01	0.12		0.28		0.34	T	0.53	0.56	0.03				0.08	T		0.19	0.03		1.30	0.48				0.18				5.03 0.0	0700 EDT	
DAVIS 3SE ·LESHER		0.11	0.01	0.26	T	0.01	0.38		0.75	T	0.28	T	0.74	0.86	0.06				T	0.05	0.01	T	0.01	0.08	0.62	0.55	T					T	5.03 0.0	0700 EDT		