

ACON MD / DE
JULY 1999 TEMPERATURES

OBSERVER	COUNTY/STATE	STATION	AVERAGE TEMP			EXTREME TEMP			DAYS WITH TEMP				PEAK WIND			NUMBER OF DAYS WITH				OBSER TIME	
			MAX	MIN	TEMP	MAX	DAY	MIN	DAY	MAX	MAX	MIN	MIN	GUST	DIR	DAY	THUN	HAIL	GLAZE		SLEET
									>=90	<=32	<=32	<=0									
Baltimore NWS ASOS	Anne Arundel	BWI Airport	91.4	68.5	80.0	102	5	57	15+	22	0	0	0								2400
Hanson, Dan	Anne Arundel	Millersville 1 SE	90.4	67.1	78.8	100	5	54	12	20	0	0	0	23	WNW	26+					2400
Jug Bay Wetlands	Anne Arundel	Lothian	91.7	67.0	79.4	102	6	55	12	20	0	0	0								0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			91.2	67.5	79.4	102	6	54	12												
Kreinik, Al	Baltimore	Parkton 5 SW	88.8	63.9	76.4	98	5	49	11	16	0	0	0	39		19	4	1	0	0	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	89.5	66.8	78.2	98	18+	55	15	14	0	0	0	23	W	19	5	0	0	0	2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			89.2	65.4	77.3	98	18+	49	11					39		19					
Manfre, Joe	Baltimore City	Baltimore 2 SE	92.4	75.3	83.9	103	5	60	12	23	0	0	0				2	0	0	0	1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	91.4	74.9	83.2	102	6	66	13+	22	0	0	0								2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			91.9	75.1	83.5	103	6	60	12												
Close Jr, Herb	Carroll	Manchester 1 SW	87.9	67.3	77.6	97	19	53	11	15	0	0	0	40e		28	8	0	0	0	2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	88.5	65.0	76.8	98	18	52	11	15	0	0	0	39		28					2200
Miller, Bobby	Carroll	Millers 4 NE	89.4	66.0	77.7	97	5	54	11	18	0	0	0	51	SW	28	8	0	0	0	1800
Muller, Ray	Carroll	Finksburg	-	-	-	-	-	-	-	-	-	-	-								0700
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			88.6	66.1	77.4	98	18	52	11					51	SW	28					
Brumback, Marty	Charles	Bryans Head 2 SE	90.9	69.2	80.1	100	5	58	12	21	0	0	0	31		28					2400
Thomas, Jack	Frederick	Thurmont, Middle Mt.	84.2	64.8	74.5	91	31+	52	11	5	0	0	0	22		1	4	0	0	0	2200
Harvey, Rebecca	Garrett, MD	Eagle Rock	83.3	62.0	72.7	92	24	46	11	5	0	0	0				5	1			0800
Schlosser, Paul	Harford, MD	Kingsville 1 S																			2200
Giannola, Rich	Howard, MD	Laurel JHU / APL	92.0	69.4	80.7	101	31	57	15+	21	0	0	0	33	SSE	1					2400
Cohen, Rob	Montgomery	Potomac 4 N	89.5	69.4	79.5	98	6	58	12	18	0	0	0				5	0	0	0	2100
Giannola, Rich	Montgomery	Olney	93.0	67.6	80.3	102	31	55	11	17	0	0	0								2400
Rossen, Stan	Montgomery	Glenmont 1 NNE	92.1	68.3	80.2	103	31	56	12	22	0	0	0	22	SSE	1	8	0	0	0	2400
Rossen, Stan	Montgomery	Rockville Mont College	90.4	70.6	80.5	99	31+	61	15+	21	0	0	0	30	NW	28	7	0	0	0	2400
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	91.6	67.3	79.5	102	31	55	12+	22	0	0	0				3	0	0	0	2400
Terry, Joe	Montgomery	Forest Glen	92.9	68.9	80.9	102	31	57	12	24	0	0	0	19	SW	2	5	0	0	0	2400
Windolph, Raoul	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-				6	0	0	0	2359
Wash Gas Light	Montgomery	Rockville 1 NE	91.4	70.0	80.7	101	6	60	15+	21	0	0	0				5	0	0	0	2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			91.6	68.9	80.2	103	31	55	11					30	NW	28					

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OBSERVER	COUNTY/STATE	STATION	AVERAGE TEMP			EXTREME TEMP				DAYS WITH TEMP				PEAK WIND			NUMBER OF DAYS WITH				OBSER TIME
			MAX	MIN	TEMP	MAX	DAY	MIN	DAY	MAX	MAX	MIN	MIN	GUST	DIR	DAY	THUN	HAIL	GLAZE	SLEET	
Canavan, Jim	New Castle	Wilmington 4 NNE	89.1	68.3	78.7	97	19+	56	15	15	0	0	0								2400
Gallaher, Gary	New Castle	Bear 2 SW	91.4	68.6	80.0	101	31	54	15	20	0	0	0	32	WNW	28	2	0	0	0	2400
Wilmington NWS ASOS	New Castle	NCC Airport	91.0	69.0	80.0	100	19	56	15	21	0	0	0	36	SW						2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			90.5	68.6	79.6	101	31	54	15					36	SW						
Hudelson, Bill	Prince Georges	South Bowie	93.0	70.2	81.6	101	6	59	15	25	0	0	0	21	NW	28	6	0	0	0	2400
Abell, Floyd	St Marys, MD	Hollywood	91.1	70.3	80.7	99	31+	60	15+	22	0	0	0	31		24	3	0	0	0	2359
Bubb, Clinton	St Marys, MD	Morganza	88.8	68.3	78.6	97	31+	58	15+	18	0	0	0	45	WNW	24	4	0	0	0	2400
Walchli, Marlene	St Marys, MD	California 3 NW	89.9	70.7	80.3	99	6+	60	15+	18	0	0	0				5	0	0	0	2100
Zyla, John	St Mary's, MD	Ridge	93.1	71.6	82.4	103	6	59	12	25	0	0	0	29	NW	25	5	0	0	0	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			90.7	70.2	80.5	103	6	58	15+					45	WNW	24					
Keefer, Greg	Washington, MD	Hagerstown 1 E	92.6	67.4	80.0	101	31	52	11	23	0	0	0	32	W	28	7	0	0	0	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE																			2000
<i>WASHINGTON, MD AVERAGE/EXTREMES</i>			92.6	67.4	80.0	101	31	52	11												
Boggs, Kenny	Worcester, MD	Whaleysville	89.5	69.5	79.5	103	7	57	15+	19	0	0	0				3	0	0	0	0730
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	90.9	66.0	78.5	99	6+	54	12	21	0	0	0								2400
Wash National NWS	Arlington, VA	National Airport	92.8	73.1	83.0	103	6	63	13	22	0	0	0								2400
Papa, Brian	Washington DC	DuPont Circle NW	93.9	76.5	85.2	104	6	66	14	24	0	0	0								2400
Rickell, Robert	York, PA	Hanover 2 S	88.9	64.2	76.6	97	6+	49	11	16	0	0	0				6	0	0	0	2100

**ACON MD / DE
JULY 1999 PRECIPITATION**

OBSERVER	COUNTY/STATE	STATION	PRECIPITATION						SNOWFALL					BAROMETER		OBSER TIME	
			TOTAL	MAX CAL DAY	DATE	DAYS >=.01"	DAYS >=1"	YEAR	TOTAL	MAX CAL DAY	DATE	DAYS >=0.1"	DAYS >=1.0"	SEASON	MAX		MIN
Baltimore NWS ASOS	Anne Arundel	BWI Airport	2.06	1.10	22	10	1	18.90	0.0	0.0		0	0	0.0			2400
Hanson, Dan	Anne Arundel	Millersville 1 SE	1.47	1.00	22	9	1	17.37M	0.0	0.0		0	0	0.0	30.28	29.68	2400
Jug Bay Wetlands	Anne Arundel	Lothian	1.38	0.45	2	7	0	22.92	0.0	0.0		0	0	0.0			0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			1.64	1.10	22			19.84	0.0	0.0				0.0			
Kreinik, Al	Baltimore	Parkton 5 SW	3.24	1.99	22	10	1	24.34	0.0	0.0		0	0	0.0	30.29	29.64	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	4.34	3.64	22	10	1	25.03	0.0	0.0		0	0	0.0			2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			3.79	3.64	22			24.67	0.0	0.0				0.0			
Manfre, Joe	Baltimore City	Baltimore 2 SE	3.77	3.36	22	6	1	19.93	0.0	0.0		0	0	0.0			1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	4.11	3.57	22	8	1	22.31	-	-		-	-	-			2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			3.94	3.57	22			21.24									
Close Jr, Herb	Carroll	Manchester 1 SW	4.42	2.74	22	12	1	24.02	0.0	0.0		0	0	0.0			2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	2.36	0.78	28	9	0	22.40	0.0	0.0		0	0	0.0			2200
Miller, Bobby	Carroll	Millers 4 NE	1.54	0.88	22	8	0	22.22	0.0	0.0		0	0	0.0	30.30	29.64	1800
Muller, Ray	Carroll	Finksburg						19.92M									0700
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			2.77	2.74	22			22.70	0.0	0.0				0.0			
Brumback, Marty	Charles, MD	Bryans Head 2 SE	2.50	1.21	2	11	1	18.25M	0.0	0.0		0	0	0.0			2400
Thomas, Jack	Frederick	Thurmont, Middle Mt.	2.41	0.88	2	8	0	23.59M	0.0	0.0		0	0	0.0			2200
Harvey, Rebecca	Garrett, MD	Eagle Rock	6.44	3.22	18	10	3	33.54	0.0	0.0		0	0	0.0			0800
Schlosser, Paul	Harford, MD	Kingsville 1 S						9.90M									2200
Giannola, Rich	Howard	Laurel JHU / APL	1.39	0.50	30	8	0	17.84	0.0	0.0		0	0	0.0	30.34	29.76	2400
Cohen, Rob	Montgomery	Potomac 4 N	1.02	0.30	25	7	0	20.47	0.0	0.0		0	0	0.0			2100
Giannola, Rich	Montgomery	Olney	1.05	0.37	2	8	0	19.43	0.0	0.0		0	0	0.0			2400
Rossen, Stan	Montgomery	Glenmont 1 NNE	0.71	0.18	3	10	0	19.12	0.0	0.0		0	0	0.0			2400
Rossen, Stan	Montgomery	Rockville Mont College	1.24	0.51	25	9	0	18.20	0.0	0.0		0	0	0.0	30.24	29.69	2400
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	1.45	0.65	2	10	0	22.25	0.0	0.0		0	0	0.0			2400
Terry, Joe	Montgomery	Forest Glen	0.79	0.22	1	8	0	18.95	0.0	0.0		0	0	0.0	30.29	29.68	2400
Windolph, Raoul	Montgomery	Dawsonville	1.68	0.58	2	10	0	18.83	0.0	0.0		0	0	0.0			2359
Wash Gas Light	Montgomery	Rockville 1 NE	1.07	0.46	25	7	0	18.83	0.0	0.0		0	0	0.0			2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			1.13	0.65	2			19.67	0.0	0.0				0.0			

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JULY 1999 PRECIPITATION**

OBSERVER	COUNTY/STATE	STATION	PRECIPITATION						SNOWFALL					BAROMETER		OBSER TIME	
			TOTAL	MAX CAL DAY	DATE	DAYS >=.01"	DAYS >=1"	YEAR	TOTAL	MAX CAL DAY	DATE	DAYS >=0.1"	DAYS >=1.0"	SEASON	MAX		MIN
Canavan, Jim	New Castle	Wilmington 4 NNE	2.39	1.67	2	5	1	24.70	0.0	0.0		0	0	0.0			2400
Gallaher, Gary	New Castle	Bear 2 SW	0.76	0.48	1	4	0	21.68	0.0	0.0		0	0	0.0	30.30	29.65	2400
Wilmington NWS ASOS	New Castle	NCC Airport	0.89	0.45	20	4	0	22.36	-	-		-	-	-			2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			1.35	1.67	2			22.91	0.0	0.0				0.0			
Hudelson, Bill	Prince Georges	South Bowie	1.14	0.37	3	9	0	19.07	0.0	0.0		0	0	0.0	30.27	29.66	2400
Abell, Floyd	St Marys, MD	Hollywood	3.17	1.02	24	9	1	20.30	0.0	0.0		0	0	0.0			2359
Bubb, Clinton	St Marys, MD	Morganza	2.00	0.57	1	8	0	19.23	0.0	0.0		0	0	0.0	30.20	29.62	2400
Walchli, Marlene	St Marys, MD	California	3.86	1.54	24	9	1	21.39	0.0	0.0		0	0	0.0			2100
Zyla, John	St Mary's, MD	Ridge	2.99	1.12	13	10	1	21.91	0.0	0.0		0	0	0.0	30.20	29.68	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			3.01	1.54	24			20.11	0.0	0.0				0.0			
Keefer, Greg	Washington, MD	Hagerstown 1 E	1.16	0.36	24	11	0	23.46	0.0	0.0		0	0	0.0	30.30	29.65	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE						20.32M									2000
<i>WASHINGTON COUNTY, MD AVERAGE/EXTREMES</i>			1.16	0.36	24			22.48	0.0	0.0				0.0			
Boggs, Kenny	Worcester, MD	Whaleysville	2.21	0.60	13	9	0	20.75	0.0	0.0		0	0	0.0			0730
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	2.53	0.70	1	16	0	21.88	0.0	0.0		0	0	0.0			2400
Wash National NWS	Arlington, VA	National Airport	1.01	0.28	12	8	0	18.47	0.0	0.0		0	0	0.0			2400
Papa, Brian	Washington DC	DuPont Circle NW	0.99	0.50	1	4	0	8.52M	0.0	0.0		0	0	0.0			2400
Rickell, Robert	York, PA	Hanover 2 S, PA	2.23	1.33	22	8	1	15.06M	0.0	0.0		0	0	0.0			2100

Data not submitted for every category

M = Missing data
 "+ = Also occurred on an earlier date(s)
 "> = Included in following days data.
 e = Estimated

Compiled by Gary Gallaher
 08/18/1999