

**ACON MD / DE**  
**JUNE 1999 TEMPERATURES**

OBSERVER	COUNTY/STATE	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		-DER	
									>=90	<=32	<=32	<=0										
<b>Baltimore NWS ASOS</b>	Anne Arundel	BWI Airport	81.9	61.1	71.5	97	8	50	19+	5	0	0	0								2400	
<b>Hanson, Dan</b>	Anne Arundel	Millersville 1 SE	81.4	59.8	70.6	96	8+	49	19	5	0	0	0	28	W	28					2400	
<b>Jug Bay Wetlands</b>	Anne Arundel	Lothian	84.1	61.9	73.0	101	8	48	19	10	0	0	0								0900	
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			82.5	60.9	71.7	101	8	48	19													
<b>Kreinik, Al</b>	Baltimore	Parkton 5 SW	80.5	58.2	69.4	95	7	47	19	6	0	0	0	29	-	8	4	0	0	0	2200	
<b>Sharrow, Marty</b>	Baltimore	Owings Mills 2 SE	81.8	59.4	70.6	94	7	50	19+	5	0	0	0	26	NW	3	2	0	0	0	2400	
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			81.2	58.8	70.0	95	7	47	19					29		8						
<b>Manfre, Joe</b>	Baltimore City	Baltimore 2 SE	84.0	67.6	75.8	100	7	56	18	7	0	0	0				2	0	0	0	1800	
<b>Maryland Science Ctr</b>	Baltimore City	Baltimore Inner Harbor	82.9	67.0	75.0	98	8+	57	18	6	0	0	0								2400	
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			83.5	67.3	75.4	100	7	56	18													
<b>Close Jr, Herb</b>	Carroll	Manchester 1 SW	79.9	61.4	70.7	94	7	51	18	3	0	0	0	30		3	5	0	0	0	2100	
<b>Hartsock, Ralph</b>	Carroll	Westminster 4 SSE	80.0	58.2	69.1	93	7	47	19+	6	0	0	0								2200	
<b>Miller, Bobby</b>	Carroll	Millers 4 NE	81.1	59.2	70.2	92	7	48	19	2	0	0	0	44		14	4	0	0	0	1800	
<b>Muller, Ray</b>	Carroll	Finksburg	-	-	-	94	7	46	5	-	-	-	-	45	SW	14	3	0	0	0	2200	
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			80.3	59.6	70.0	94	7	46	5					45	SW	14						
<b>Brumback, Marty</b>	Charles	Bryans Head 2 SE	82.1	62.1	72.1	97	9	50	19	5	0	0	0	29	SW	28+					2400	
<b>Thomas, Jack</b>	Frederick	Thurmont, Middle Mt.	76.7	57.8	67.3	88	7	48	4	0	0	0	0				3				2200	
<b>Harvey, Rebecca</b>	Garrett, MD	Eagle Rock	78.8	55.9	67.4	89	27	38	18	0	0	0	0								1300	
<b>Schlosser, Paul</b>	Harford, MD	Kingsville 1 S																			2200	
<b>Giannola, Rich</b>	Howard, MD	Laurel JHU / APL	82.4	61.6	72.0	96	8+	51	19+	6	0	0	0	38	WNW	14	1	0	0	0	2400	
<b>Cohen, Rob</b>	Montgomery	Potomac 4 N	81.0	62.0	71.5	93	10	50	19	4	0	0	0				2	0	0	0	2100	
<b>Giannola, Rich</b>	Montgomery	Olney	82.8	58.6	70.7	97	7	50	19	4	0	0	0				1	0	0	0	2400	
<b>Rossen, Stan</b>	Montgomery	Glenmont 1 NNE																			2400	
<b>Rossen, Stan</b>	Montgomery	Rockville Mont College	81.1	63.9	72.5	96	7	53	18	5	0	0	0				2	0	0	0	2400	
<b>Shaw, Kevin</b>	Montgomery	Gaithersburg 2 WNW	83.0	59.8	71.4	97	9+	48	19	7	0	0	0				2	0	0	0	2400	
<b>Terry, Joe</b>	Montgomery	Forest Glen	83.1	61.5	72.3	97	8	51	19	7	0	0	0	22	WSW	2	2	0	0	0	2400	
<b>Windolph, Raoul</b>	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-				2	0	0	0	2359	
<b>Wash Gas Light</b>	Montgomery	Rockville 1 NE	83.1	62.5	72.8	96	7	52	19	8	0	0	0				2	0	0	0	2400	
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			82.4	61.4	71.9	97	9+	48	19													

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OBSERVER	COUNTY/STATE	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		-DER
<b>Canavan, Jim</b>	New Castle	Wilmington 4 NNE	81.1	61.0	71.1	90	27	52	6	3	0	0	0							2400	
<b>Gallaher, Gary</b>	New Castle	Bear 2 SW	81.9	61.0	71.5	96	8+	50	12+	5	0	0	0	33	WNW	14	2	0	0	0	2400
<b>Wilmington NWS ASOS</b>	New Castle	NCC Airport	80.8	62.3	71.6	94	8+	53	22+	4	0	0	0	28	NW						2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			81.3	61.4	71.4	96	8+	50	12+					33	WNW	14					
<b>Hudelson, Bill</b>	Prince Georges	South Bowie	84.1	62.7	73.4	100	9	52	19	9	0	0	0	22	NW	14	3	0	0	0	2400
<b>Abell, Floyd</b>	St Marys, MD	Hollywood	82.2	63.0	72.6	97	9+	52	6	4	0	0	0	25		29	2	0	0	0	2359
<b>Bubb, Clinton</b>	St Marys, MD	Morganza	80.3	61.0	70.7	94	8	50	19	4	0	0	0	20	WSW	2	2	0	0	0	2400
<b>Walchli, Marlene</b>	St Marys, MD	California 3 NW																			2100
<b>Zyla, John</b>	St Mary's, MD	Ridge	84.8	65.9	75.4	101	8	58	18	10	0	0	0	20		2	1	0	0	0	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			82.4	63.3	72.9	101	8	50	19					25		29					
<b>Keefer, Greg</b>	Washington, MD	Hagerstown 1 E	82.8	59.8	71.3	95	26+	47	19+	6	0	0	0	36	SW	14	3	0	0	0	2400
<b>Vaughn, Jim</b>	Washington, MD	Smithsburg 3 NE	85.7	59.1	72.4	99	7	46	19+	11	0	0	0				2	0	0	0	2000
<i>WASHINGTON, MD AVERAGE/EXTREMES</i>			84.3	59.5	71.9	99	7	46	19+												
<b>Boggs, Kenny</b>	Worcester, MD	Whaleysville	81.1	61.4	71.3	98	10	45	6+	7	0	0	0				1	0	0	0	0730
<b>Wash Dulles NWS ASOS</b>	Loudon, VA	Dulles Airport	82.1	59.5	70.8	96	9+	48	19+	5	0	0	0								2400
<b>Wash National NWS</b>	Arlington, VA	National Airport	83.6	65.7	74.7	98	9+	57	19+	8	0	0	0								2400
<b>Papa, Brian</b>	Washington DC	DuPont Circle NW	87.2	69.9	78.6	100	9+	59	18	12	0	0	0								2400
<b>Rickell, Robert</b>	York, PA	Hanover 2 S	79.5	58.4	69.0	93	7	46	19	3	0	0	0				3	0	0	0	2100

**ACON MD / DE**  
**JUNE 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
<b>Baltimore NWS ASOS</b>	Anne Arundel	BWI Airport	2.04	0.83	20	9	0	16.84	0.0	0.0		0	0	15.1			2400
<b>Hanson, Dan</b>	Anne Arundel	Millersville 1 SE	1.89	0.73	14	17	0	15.90M	0.0	0.0		0	0	9.4	30.41	29.62	2400
<b>Jug Bay Wetlands</b>	Anne Arundel	Lothian	5.17	1.11	15	12	2	21.54	-	0.0		0	2	7.7M			0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			3.03	1.11	15			18.20	0.0	0.0				11.8			
<b>Kreinik, Al</b>	Baltimore	Parkton 5 SW	2.98	0.74	17	9	0	21.10	0.0	0.0		0	0	21.5	30.43	29.61	2200
<b>Sharrow, Marty</b>	Baltimore	Owings Mills 2 SE	2.96	0.85	13	7	0	20.69	0.0	0.0		0	0	21.1			2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			2.97	0.85	13			20.88	0.0	0.0				21.4			
<b>Manfre, Joe</b>	Baltimore City	Baltimore 2 SE	2.21	0.79	17	9	0	16.16	0.0	0.0		0	0	13.3			1800
<b>Maryland Science Ctr</b>	Baltimore City	Baltimore Inner Harbor	2.42	0.82	20	9	0	18.20	-	-		-	-	-			2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			2.32	0.82	20			17.30									
<b>Close Jr, Herb</b>	Carroll	Manchester 1 SW	2.51	0.80	2	10	0	19.60	0.0	0.0		0	0	25.6			2100
<b>Hartsock, Ralph</b>	Carroll	Westminster 4 SSE	1.73	0.45	29	8	0	20.04	0.0	0.0		0	0	23.1			2200
<b>Miller, Bobby</b>	Carroll	Millers 4 NE	2.56	0.83	3	11	0	20.68	0.0	0.0		0	0	25.7	30.44	29.59	1800
<b>Muller, Ray</b>	Carroll	Finksburg	1.75	0.46	10	7	0	19.92	0.0	0.0		0	0	26.0	30.48	29.57	2200
<i>CARROLL COUNTY, MD AVERAGES/EXTREMES</i>			2.14	0.83	3			19.93	0.0	0.0				25.3			
<b>Brumback, Marty</b>	Charles, MD	Bryans Head 2 SE	2.16	0.81	2	7	0	15.75M	0.0	0.0		0	0	3.3M			2400
<b>Thomas, Jack</b>	Frederick	Thurmont, Middle Mt.	2.56	1.06	2	6	1	21.48M	0.0	0.0		0	0	34.5	30.46	29.73	2200
<b>Harvey, Rebecca</b>	Garrett, MD	Eagle Rock	1.14	0.42	17	7	0	27.10	T	T	14	0	0	114.9			1300
<b>Schlosser, Paul</b>	Harford, MD	Kingsville 1 S						9.90M						4.9M			2200
<b>Giannola, Rich</b>	Howard	Laurel JHU / APL	1.72	0.81	20	8	0	16.45	0.0	0.0		0	0	19.0	30.45	29.66	2400
<b>Cohen, Rob</b>	Montgomery	Potomac 4 N	1.53	0.84	20	6	0	19.54	0.0	0.0		0	0	21.7			2100
<b>Giannola, Rich</b>	Montgomery	Olney	2.36	0.88	20	8	0	18.38	0.0	0.0		0	0	25.0			2400
<b>Rossen, Stan</b>	Montgomery	Glenmont 1 NNE											2.0M				2400
<b>Rossen, Stan</b>	Montgomery	Rockville Mont College	1.27	0.74	14	7	0	16.96	0.0	0.0		0	0	23.7			2400
<b>Shaw, Kevin</b>	Montgomery	Gaithersburg 2 WNW	3.24	1.26	14	7	1	20.80	0.0	0.0		0	0	25.1			2400
<b>Terry, Joe</b>	Montgomery	Forest Glen	2.00	0.88	20	8	0	18.16	0.0	0.0		0	0	19.0	30.41	29.67	2400
<b>Windolph, Raoul</b>	Montgomery	Dawsonville	1.85	0.71	20	8	0	17.15	0.0	0.0		0	0	21.4			2359
<b>Wash Gas Light</b>	Montgomery	Rockville 1 NE	1.29	0.81	20	7	0	17.76	0.0	0.0		0	0	26.4			2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			1.93	1.26	14			18.57	0.0	0.0				23.7			

**ACON MD / DE**  
**JUNE 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	
<b>Canavan, Jim</b>	New Castle	Wilmington 4 NNE	1.63	0.50	20	9	0	22.31	0.0	0.0		0	0	13.5		2400
<b>Gallaher, Gary</b>	New Castle	Bear 2 SW	1.87	0.61	13	7	0	20.92	0.0	0.0		0	0	14.0	30.44 29.63	2400
<b>Wilmington NWS ASOS</b>	New Castle	NCC Airport	1.63	0.59	13	8	0	21.47	-	-		-	-			2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			1.71	0.61	13			21.56	0.0	0.0				13.8		
<b>Hudelson, Bill</b>	Prince Georges	South Bowie	2.66	0.95	20	8	0	17.93	0.0	0.0		0	0	11.9	30.40 29.62	2400
<b>Abell, Floyd</b>	St Marys, MD	Hollywood	2.51	1.12	13	8	1	17.13	0.0	0.0		0	0	7.3		2359
<b>Bubb, Clinton</b>	St Marys, MD	Morganza	2.47	0.75	20	8	0	17.23	0.0	0.0		0	0	6.9	30.35 29.60	2400
<b>Walchli, Marlene</b>	St Marys, MD	California						15.61M						7.2		2100
<b>Zyla, John</b>	St Mary's, MD	Ridge	2.26	0.85	29	11	0	18.92	0.0	0.0		0	0	7.1	30.31 29.61	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			2.41	1.12	13			17.22	0.0	0.0				7.2		
<b>Keefer, Greg</b>	Washington, MD	Hagerstown 1 E	3.77	1.42	2	7	2	22.30	0.0	0.0		0	0	32.1	30.44 29.60	2400
<b>Vaughn, Jim</b>	Washington, MD	Smithsburg 3 NE	2.29	0.92	2	6	0	20.32	0.0	0.0		0	0	32.0		2000
<i>WASHINGTON COUNTY, MD AVERAGE/EXTREMES</i>			3.03	1.42	2			21.32	0.0	0.0				31.7		
<b>Boggs, Kenny</b>	Worcester, MD	Whaleysville	1.92	0.95	21	9	0	18.54	0.0	0.0		0	0	5.3	30.38 29.80	0730
<b>Wash Dulles NWS ASOS</b>	Loudon, VA	Dulles Airport	3.00	1.23	13	7	1	19.35	0.0	0.0		0	0	20.2		2400
<b>Wash National NWS</b>	Arlington, VA	National Airport	2.26	1.32	14	8	1	17.46	0.0	0.0		0	0	11.6		2400
<b>Papa, Brian</b>	Washington DC	DuPont Circle NW	2.88	1.73	14	8	1	7.53M	0.0	0.0		0	0	10.2M		2400
<b>Rickell, Robert</b>	York, PA	Hanover 2 S, PA	2.66	0.67	17	8	0	12.83M	0.0	0.0		0	0	17.0M		2100
<b><u>Delayed Monthly Precipitation Totals:</u></b>																
<b>Muller, Ray</b>	Carroll	Finksburg	April 1999 - 3.33", May 1999 - 1.37"													

Data not submitted for every category

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

Compiled by Gary Gallaher  
 07/21/1999