

ACON MD / DE
SEPTEMBER 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	
Baltimore NWS ASOS	Anne Arundel	BWI Airport	77.0	59.3	68.1	85	8+	45	23	0	0	0	0								2400
Hanson, Dan	Anne Arundel	Millersville 1 SE	76.4	57.2	66.8	84	8+	42	23	0	0	0	0	40	WNW	16					2400
Jug Bay Wetlands	Anne Arundel	Lothian	78.9	59.1	69.0	89	10	41	23	0	0	0	0								0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			77.4	58.5	68.0	89	10	41	23												
Kreinik, Al	Baltimore	Parkton 5 SW	76.4	55.5	65.9	85	9+	42	23	0	0	0	0	52	NNE	16	3	0	0	0	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	76.9	55.9	66.4	86	3	41	23	0	0	0	0	44	NNE	16	4	0	0	0	2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			76.7	55.7	66.2	86	3	41	23					52	NNE	16					
Manfre, Joe	Baltimore City	Baltimore 2 SE	79.5	63.8	71.6	89	7	49	22	0	0	0	0				4	0	0	0	1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	77.9	64.2	71.1	88	7	50	23	0	0	0	0								2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			78.7	64.0	71.3	89	7	49	23												
Close Jr, Herb	Carroll	Manchester 1 SW	75.3	58.3	66.8	85	9+	44	23+	0	0	0	0	50e		16	5	0	0	0	2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	72.8	55.5	64.2	83	9	42	22	0	0	0	0	49		16					2200
Miller, Bobby	Carroll	Millers 4 NE	75.5	56.8	66.2	86	3	44	23	0	0	0	0	53	SSW	30	5	0	0	0	1800
Muller, Ray	Carroll	Finksburg																			0700
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			74.5	56.9	65.7	86	3	42	22												
Brumback, Marty	Charles	Bryans Head 2 SE	78.1	60.2	69.2	87	8	45	23	0	0	0	0	41		16					2400
Harvey, Rebecca	Garrett, MD	Eagle Rock	72.8	49.3	61.1	86	4+	30	22	0	0	2	0				6				0800
Schlosser, Paul	Harford, MD	Kingsville 1 S																			2200
Giannola, Rich	Howard, MD	Laurel JHU / APL	76.7	58.9	67.8	87	9+	45	22	0	0	0	0	46	NW	16					2400
Cohen, Rob	Montgomery	Potomac 4 N	75.6	58.4	67.0	84	9+	45	22	0	0	0	0				3	0	0	0	2100
Giannola, Rich	Montgomery	Olney	77.5	58.5	68.0	86	9+	43	25+	0	0	0	0								2400
Rossen, Stan	Montgomery	Glenmont 1 NNE	78.2	57.7	67.9	88	8	44	23	0	0	0	0	32	ENE	29	5	0	0	0	2400
Rossen, Stan	Montgomery	Rockville Mont College	76.9	60.3	68.6	86	3	46	22	0	0	0	0	41	NW	16					2400
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	75.6	55.8	65.7	85	9	40	23	0	0	0	0				5	0	0	0	2400
Terry, Joe	Montgomery	Forest Glen	78.8	58.7	68.8	88	3	44	23	0	0	0	0	36	WSW	30	3	0	0	0	2400
Windolph, Raoul	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-				3	0	0	0	2359
Wash Gas Light	Montgomery	Rockville 1 NE	76.1	59.4	67.8	86	7	46	23+	0	0	0	0				4	0	0	0	2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			76.9	58.4	67.7	88	8	40	23					41	NW	16					

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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	76.2	59.9	68.0	86	8	45	23	0	0	0	0								2400
Gallaher, Gary	New Castle	Bear 2 SW	77.7	59.2	68.4	87	8	45	23+	0	0	0	0	49	NNW	16	2	0	0	0	2400
Wilmington NWS ASOS	New Castle	NCC Airport	76.3	59.9	68.1	85	8	47	23+	0	0	0	0	46	NW						2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			76.7	59.7	68.2	87	8	45	23+					49	NNW	16					
Hudelson, Bill	Prince Georges	South Bowie	77.4	60.4	68.9	86	9+	46	23	0	0	0	0	41	NW	16					2400
Abell, Floyd	St Marys, MD	Hollywood	78.3	61.1	69.7	90	8	43	23	1	0	0	0	45		16	0	0	0	0	2359
Bubb, Clinton	St Marys, MD	Morganza	76.9	59.1	68.0	86	8	42	23	0	0	0	0	41	NW	16	0	0	0	0	2400
Walchli, Marlene	St Marys, MD	California 3 NW	78.1	61.1	69.6	88	8	46	23	0	0	0	0	28		16	0	0	0	0	2100
Van Wie, Michael	St Marys, MD	Oraville	76.8	58.7	67.8	87	8	41	23	0	0	0	0								2400
Zyla, John	St Mary's, MD	Ridge	77.0	63.3	70.2	87	8	48	23	0	0	0	0	41	NE	16	2	0	0	0	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			77.4	60.7	69.0	90	8	41	23					45		16					
Keefer, Greg	Washington, MD	Hagerstown 1 E	78.0	56.0	67.0	90	2	42	23	1	0	0	0	45	W	29	6	1	0	0	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE	75.3	55.9	65.6	86	9+	40	22	0	0	0	0								2000
<i>WASHINGTON, MD AVERAGE/EXTREMES</i>			76.6	56.0	66.3	90	2	40	22												
Boggs, Kenny	Worcester, MD	Whaleysville																			0730
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	77.2	56.8	67.0	86	9	40	23	0	0	0	0								2400
Wash National NWS	Arlington, VA	National Airport	77.7	62.5	70.1	86	9+	48	23	0	0	0	0								2400
Papa, Brian	Washington DC	DuPont Circle NW	78.8	64.4	71.6	89	8	50	23	0	0	0	0								2400
Rickell, Robert	York, PA	Hanover 2 S	73.5	54.7	64.1	84	9	40	23	0	0	0	0				6	0	0	0	2100
<u>DELAYED DATA AUGUST 1999</u>																					
Rossen, Stan	Montgomery	Glenmont 1 NNE	87.6	64.9	76.2	99	17	54	10	13	0	0	0	19	WSW	13	8	0	0	0	2400
Rossen, Stan	Montgomery	Rockville Mont College	85.3	67.2	76.3	96	17	58	30	9	0	0	0	34	WSW	14	7	0	0	0	2400
Windolph, Raoul	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-				8	0	0	0	2400

ACON MD / DE
SEPTEMBER 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
Baltimore NWS ASOS	Anne Arundel	BWI Airport	11.49	5.02	16	13	2	36.53	0.0	0.0	0	0	0.0			2400
Hanson, Dan	Anne Arundel	Millersville 1 SE	10.72	5.75	16	14	2	34.41M	0.0	0.0	0	0	0.0	30.33	29.26	2400
Jug Bay Wetlands	Anne Arundel	Lothian	12.18	5.08	16	19	4	42.69	-	0.0	0	4	0.0			0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGES/EXTREMES</i>			11.46	5.75	16			37.99	0.0	0.0			0.0			
Kreinik, Al	Baltimore	Parkton 5 SW	9.88	4.35	16	15	2	39.58	0.0	0.0	0	0	0.0	30.34	29.39	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	11.34	4.07	16	15	4	41.94	0.0	0.0	0	0	0.0			2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			10.61	4.35	16			40.75	0.0	0.0			0.0			
Manfre, Joe	Baltimore City	Baltimore 2 SE	9.37	4.38	16	12	2	34.94	0.0	0.0	0	0	0.0			1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	9.77	4.44	16	14	2	40.31	-	-	-	-	-			2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			9.57	4.44	16			37.75								
Close Jr, Herb	Carroll	Manchester 1 SW	9.29	3.07	16	16	2	38.53	0.0	0.0	0	0	0.0			2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	8.79	2.78	16	14	2	35.10	0.0	0.0	0	0	0.0			2200
Miller, Bobby	Carroll	Millers 4 NE	9.94	3.79	16	14	4	37.64	0.0	0.0	0	0	0.0	30.36	29.41	1800
Muller, Ray	Carroll	Finksburg						19.92M					0.0			0700
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			9.34	3.79	16			36.91	0.0	0.0			0.0			
Brumback, Marty	Charles, MD	Bryans Head 2 SE	10.01	4.31	16	11	2	33.79M	0.0	0.0	0	0	0.0			2400
Harvey, Rebecca	Garrett, MD	Eagle Rock	4.71	1.37	7	9	1	40.84	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	13.52	3.53	16	16	5	35.66	0.0	0.0	0	0	0.0	30.34	29.36	2400
Cohen, Rob	Montgomery	Potomac 4 N	10.35	3.02	16	16	5	36.54	0.0	0.0	0	0	0.0			2100
Giannola, Rich	Montgomery	Olney	12.06	3.79	15-16	12	5	36.23	0.0	0.0	0	0	0.0			2400
Rossen, Stan	Montgomery	Glenmont 1 NNE	12.26	2.72	16	15	6	37.08	0.0	0.0	0	0	0.0			2400
Rossen, Stan	Montgomery	Rockville Mont College	10.64	2.64	16	14	3	34.28	0.0	0.0	0	0	0.0	30.29	29.45	2400
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	11.54	2.72	16	15	4	39.69	0.0	0.0	0	0	0.0			2400
Terry, Joe	Montgomery	Forest Glen	13.76	3.65	16	15	6	36.00	0.0	0.0	0	0	0.0	30.38	29.40	2400
Windolph, Raoul	Montgomery	Dawsonville	9.12	2.37	16	11	4	32.67	0.0	0.0	0	0	0.0			2359
Wash Gas Light	Montgomery	Rockville 1 NE	10.01	2.25	16	15	3	33.41	0.0	0.0	0	0	0.0			2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			11.22	3.65	16			35.74	0.0	0.0			0.0			

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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	
Canavan, Jim	New Castle	Wilmington 4 NNE	14.99	9.62	16	10	2	47.09	0.0	0.0	0	0	0.0			2400
Gallaher, Gary	New Castle	Bear 2 SW	12.75	8.54	16	11	2	38.74	0.0	0.0	0	0	0.0	30.38	29.16	2400
Wilmington NWS ASOS	New Castle	NCC Airport	12.68	8.29	16	12	2	39.29	-	-	-	-			29.13	2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			13.47	9.62	16			41.66	0.0	0.0			0.0			
Hudelson, Bill	Prince Georges	South Bowie	12.00	6.08	16	14	3	40.41	0.0	0.0	0	0	0.0	30.28	29.25	2400
Abell, Floyd	St Marys, MD	Hollywood	12.42	8.18	16	10	3	39.96	0.0	0.0	0	0	0.0			2359
Bubb, Clinton	St Marys, MD	Morganza	9.30	5.79	16	12	2	35.13	0.0	0.0	0	0	0.0	30.30	29.14	2400
Walchli, Marlene	St Marys, MD	California	12.59	8.63	16	11	3	40.22	0.0	0.0	0	0	0.0	30.30	29.17	2100
Van Wie, Michael	St Marys, MD	Oraville	8.71	3.87	16	12	3	34.93	0.0	0.0	0	0	0.0			
Zyla, John	St Mary's, MD	Ridge	12.90	9.57	16	9	2	37.99	0.0	0.0	0	0	0.0	30.21	29.13	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			11.18	9.57	16			37.65	0.0	0.0			0.0			
Keefer, Greg	Washington, MD	Hagerstown 1 E	8.67	1.49	16	15	3	34.64	0.0	0.0	0	0	0.0	30.33	29.58	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE	7.58	1.64	16	14	3	32.86	0.0	0.0	0	0	0.0			2000
<i>WASHINGTON COUNTY, MD AVERAGE/EXTREMES</i>			8.13	1.64	16			33.77	0.0	0.0			0.0			
Boggs, Kenny	Worcester, MD	Whaleysville						21.88M								0730
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	9.32	2.05	16	14	5	36.66	0.0	0.0	0	0	0.0			2400
Wash National NWS	Arlington, VA	National Airport	10.27	3.67	16	14	2	33.76	0.0	0.0	0	0	0.0			2400
Papa, Brian	Washington DC	DuPont Circle NW	9.93	3.22	16	14	2	18.45M	0.0	0.0	0	0	0.0			2400
Rickell, Robert	York, PA	Hanover 2 S, PA	8.74	2.92	16	14	3	28.29M	0.0	0.0	0	0	0.0			2100
			DELAYED DATA			AUGUST 1999										
Rossen, Stan	Montgomery	Glenmont 1 NNE	5.70	1.36	24	10	3	24.82	0.0	0.0	0	0	0.0			2400
Rossen, Stan	Montgomery	Rockville Mont College	5.44	1.28	25	11	2	23.64	0.0	0.0	0	0	0.0	30.23	29.76	2400
Windolph, Raoul	Montgomery	Dawsonville	4.72	1.38	24	12	2	23.55	0.0	0.0	0	0	0.0			2400

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

Compiled by Gary Gallaher
 10/17/1999