

**ACON MD / DE**  
**DECEMBER 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		-DER
<b>Baltimore NWS ASOS</b>	Anne Arundel	BWI Airport	48.5	29.7	39.1	68	5+	14	25	0	2	20	0	41	NW	10					2400	
<b>Hanson, Dan</b>	Anne Arundel	Millersville 1 SE	47.3	27.7	37.5	68	5	13	25	0	3	21	0	33	NW	10					2400	
<b>Jug Bay Wetlands</b>	Anne Arundel	Lothian	51.0	29.5	40.3	71	6	12	25	0	0	20	0								0900	
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			48.9	29.0	39.0	71	6	12	25					41	NW	10						
<b>Kreinik, Al</b>	Baltimore	Parkton 5 SW	46.6	27.3	37.0	65	5+	12	25	0	3	21	0	45	NW	10	0	0	0	0	2200	
<b>Sharrow, Marty</b>	Baltimore	Owings Mills 2 SE	46.1	29.0	37.6	64	5	11	25	0	3	22	0	42	W	10	0	0	0	0	2400	
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			46.4	28.2	37.3	65	5+	11	25					45	NW	10						
<b>Manfre, Joe</b>	Baltimore City	Baltimore 2 SE	49.7	35.2	42.5	70	5+	20	25	0	0	12	0								1800	
<b>Maryland Science Ctr</b>	Baltimore City	Baltimore Inner Harbor	48.4	35.7	42.0	68	5	20	25	0	2	10	0								2400	
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			49.0	35.5	42.3	70	5+	20	25													
<b>Close Jr, Herb</b>	Carroll	Manchester 1 SW	45.5	30.0	37.8	66	5	11	25	0	3	19	0	41		14+	0	0	0	0	2100	
<b>Hartsock, Ralph</b>	Carroll	Westminster 4 SSE	43.5	28.1	35.8	61	5+	10	25	0	3	23	0	42	NNW	16					2200	
<b>Miller, Bobby</b>	Carroll	Millers 4 NE	45.6	29.5	37.6	66	5	13	25	0	2	18	0	35	W	16	0	0	0	0	1800	
<b>Muller, Ray</b>	Carroll	Finksburg																			0700	
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			44.9	29.2	37.0	66	5	10	25					42	NNW	16						
<b>Brumback, Marty</b>	Charles	Bryans Head 2 ESE	50.1	32.8	41.5	70	4	19	25	0	1	16	0	36		10					2400	
<b>Harvey, Rebecca</b>	Garrett, MD	Eagle Rock	40.6	22.2	31.4	66	10	2	25	0	12	26	0				0	0	0	1	0800	
<b>Schlosser, Paul</b>	Harford, MD	Kingsville 1 S																			2200	
<b>Giannola, Rich</b>	Howard, MD	Laurel JHU / APL	47.0	31.2	39.1	66	4	16	25	0	5	22	0	39	W	10					2400	
<b>Cohen, Rob</b>	Montgomery	Potomac 4 N	47.5	30.3	38.9	68	5	18	25	0	2	18	0								2100	
<b>Giannola, Rich</b>	Montgomery	Olney	49.0	29.9	39.4	68	5	13	25	0	1	18	0								2400	
<b>Rossen, Stan</b>	Montgomery	Glenmont 1 NNE	49.4	29.1	39.2	69	5	15	25	0	1	21	0	28	NNW	10	0	0	0	2	2400	
<b>Rossen, Stan</b>	Montgomery	Rockville Mont College																			2400	
<b>Scafide, Tony</b>	Montgomery	Bethesda	48.5	32.1	40.3	68	5	18	25	0	2	16	0	31		10					2401	
<b>Shaw, Kevin</b>	Montgomery	Gaithersburg 2 WNW	47.4	26.9	37.1	66	5	13	25	0	2	24	0								2400	
<b>Terry, Joe</b>	Montgomery	Forest Glen	50.0	31.0	40.5	69	5	17	25	0	0	17	0	29	W	10	0	0	0	2	2400	
<b>Windolph, Raoul</b>	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-								2359	
<b>Wash Gas Light</b>	Montgomery	Rockville 1 NE	47.8	30.8	39.3	69	3	17	25	0	2	18	0				0	0	0	1	2400	
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			48.5	30.0	39.3	69	5+	13	25					31		10						

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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	
<b>Canavan, Jim</b>	New Castle	Wilmington 4 NNE	45.0	30.3	37.7	64	5+	12	25	0	2	19	0								2400
<b>Gallaher, Gary</b>	New Castle	Bear 2 SW	47.3	29.1	38.2	68	5+	12	25	0	2	19	0	46	NE	10	0	0	0	2	2400
<b>Wilmington NWS ASOS</b>	New Castle	NCC Airport	46.7	30.8	38.8	67	4	16	25	0	3	19	0	38	NE	10					2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			46.3	30.1	38.2	68	5+	12	25					46	NE	10					
<b>Hudelson, Bill</b>	Prince Georges	South Bowie	46.6	31.5	39.0	66	5	17	25	0	2	18	0	35	NW	10	0	0	0	1	2400
<b>Abell, Floyd</b>	St Marys, MD	Hollywood	51.4	32.1	41.7	71	4	18	25	0	1	19	0	36		10	0	0	0	1	2359
<b>Bubb, Clinton</b>	St Marys, MD	Morganza	50.0	31.1	40.6	69	5+	19	25	0	1	19	0								2400
<b>Walchli, Marlene</b>	St Marys, MD	California 3 NW	50.4	31.4	40.9	67	3	18	28+	0	1	19	0				0	0	0	0	2100
<b>Van Wie, Michael</b>	St Marys, MD	Oraville	49.0	30.3	39.7	66	5+	16	25	0	1	19	0	49	NW	10					2400
<b>Zyla, John</b>	St Mary's, MD	Ridge	51.3	36.2	43.8	70	4	18	25	0	0	11	0	37		10	0	0	0	1	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			50.4	32.2	41.3	71	4	16	25					49	NW	10					
<b>Preuss, Tim</b>	Sussex, DE	Harbeson	49.5	32.2	40.9	70	5	17	25	0	2	18	0	29	NW	10					
<b>Keefer, Greg</b>	Washington, MD	Hagerstown 1 E	46.7	27.3	37.0	67	5	11	25	0	3	24	0	45	NW	10	0	0	0	0	2400
<b>Vaughn, Jim</b>	Washington, MD	Smithsburg 3 NE	44.3	28.5	36.4	64	5	12	12	0	2	22	0				1	0	0	0	2000
<i>WASHINGTON, MD AVERAGE/EXTREMES</i>			45.5	27.9	36.7	67	5	11	25												
<b>Boggs, Kenny</b>	Worcester, MD	Whaleysville																			0730
<b>Wash Dulles NWS ASOS</b>	Loudon, VA	Dulles Airport	48.2	28.2	38.2	67	5	12	25	0	2	22	0	45	NW	10					2400
<b>Wash National NWS</b>	Arlington, VA	National Airport	49.4	34.5	42.0	68	5+	21	25	0	2	11	0	44	NW	10					2400
<b>Papa, Brian</b>	Washington DC	DuPont Circle NW																			2400
<b>Rickell, Robert</b>	York, PA	Hanover 2 S	43.6	27.1	35.3	63	5	12	25	0	3	25	0				0	0	0	1	2100
<b><u>DELAYED DATA</u>    <u>NOVEMBER 1999</u></b>																					
<b>Walchli, Marlene</b>	St Marys, MD	California 3 NW	63.1	42.0	52.5	77	14	25	18	0	0	7	0	22@	NW	16	0	0	0	0	2400

**ACON MD / DE**  
**DECEMBER 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	2.96	1.15	14	7	1	43.93	T	T	28+	0	0	T			2400
<b>Hanson, Dan</b>	Anne Arundel	Millersville 1 SE	2.72	1.18	14	6	1	41.32M	T	T	28+	0	0	T	30.46	29.60	2400
<b>Jug Bay Wetlands</b>	Anne Arundel	Lothian	2.87	1.00	14	10	1	51.49	T	T	29	0	0	T			0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGES/EXTREMES</i>			2.85	1.18	14				T	T				T			
<b>Kreinik, Al</b>	Baltimore	Parkton 5 SW	3.56	1.35	14	8	1	48.37	1.0	1.0	28	1	1	1.0	30.53	29.62	2200
<b>Sharrow, Marty</b>	Baltimore	Owings Mills 2 SE	3.80	1.39	14	7	1	52.67	0.1	0.1	28	1	0	0.1			2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			3.68	1.39	14			50.52	0.6	1.0				0.6			
<b>Manfre, Joe</b>	Baltimore City	Baltimore 2 SE	2.29	1.05	14	7	1	42.30	T	T	22	0	0	T			1800
<b>Maryland Science Ctr</b>	Baltimore City	Baltimore Inner Harbor	3.19	1.26	14	7	1	48.46	-	-	-	-					2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			2.74	1.26	14			45.51									
<b>Close Jr, Herb</b>	Carroll	Manchester 1 SW	3.35	1.11	14	6	1	46.59	1.0	1.0	28	1	1	1.0			2100
<b>Hartsock, Ralph</b>	Carroll	Westminster 4 SSE	3.73	1.38	14	6	1	43.56	0.6	0.6	28	1	0	0.6			2200
<b>Miller, Bobby</b>	Carroll	Millers 4 NE	3.66	1.29	14	8	1	45.94	0.9	0.9	29	1	0	0.9	30.54	29.61	1800
<b>Muller, Ray</b>	Carroll	Finksburg						19.92M									0700
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			3.58	1.38				45.18	0.8	1.0				0.8			
<b>Brumback, Marty</b>	Charles, MD	Bryans Head 2 ESE	2.30	0.79	14	8	0	40.22M	0.0	0.0		0	0	0.0			2400
<b>Harvey, Rebecca</b>	Garrett, MD	Eagle Rock	2.36	0.55	11	17	0	49.29	10.8	3.0	1	8	6	19.3			0800
<b>Schlosser, Paul</b>	Harford, MD	Kingsville 1 S						9.90M									2200
<b>Giannola, Rich</b>	Howard	Laurel JHU / APL	2.93	1.09	14	8	1	43.77	T	T	22	0	0	T	30.45	29.55	2400
<b>Cohen, Rob</b>	Montgomery	Potomac 4 N	3.01	0.86	14	6	0	44.95	0.3	0.3	28	1	0	0.3			2100
<b>Giannola, Rich</b>	Montgomery	Olney	2.97	1.45	13-14	7	1	44.11	0.5	0.5	28	1	0	0.5			2400
<b>Rossen, Stan</b>	Montgomery	Glenmont 1 NNE	2.83	0.90	14	8	0	44.67	0.5	0.3	28	3	0	0.5			2400
<b>Rossen, Stan</b>	Montgomery	Rockville Mont College						37.15M									2400
<b>Scafide, Tony</b>	Montgomery	Bethesda	2.53	0.76	14	9	0	6.83M	0.0	0.0		0	0	0.0			2400
<b>Shaw, Kevin</b>	Montgomery	Gaithersburg 2 WNW	3.17	0.91	14	8	0	47.34	0.4	0.2	28+	2	0	0.4			2400
<b>Terry, Joe</b>	Montgomery	Forest Glen	2.79	0.97	14	8	0	43.62	0.3	0.2	28	2	0	0.3	30.52	29.65	2400
<b>Windolph, Raoul</b>	Montgomery	Dawsonville	3.18	1.04	14	8	1	40.41	0.0	0.0		0	0	0.0			2359
<b>Wash Gas Light</b>	Montgomery	Rockville 1 NE	2.80	0.78	14	8	0	41.08	0.4	0.4	28	1	0	0.4			2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			2.91	1.45	13-14			43.41	0.3	0.5				0.3			

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DECEMBER 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	3.18	1.09	14	7	1	56.26	T	T	22	0	0	T			2400	
Gallaher, Gary	New Castle	Bear 2 SW	2.71	1.05	14	7	1	46.93	T	T	28+	0	0	T	30.50	29.62	2400	
Wilmington NWS ASOS	New Castle	NCC Airport	2.95	1.15	14	8	1	47.78	-	-	-	-	-				2400	
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			2.95	1.15	14			50.32	T	T	28+			T				
Hudelson, Bill	Prince Georges	South Bowie	3.05	1.24	14	8	1	48.92	T	T	28+	0	0	T	30.56	29.69	2400	
Abell, Floyd	St Marys, MD	Hollywood	2.68	1.07	14	8	1	48.11	0.1	0.1	28	1	0	0.1			2359	
Bubb, Clinton	St Marys, MD	Morganza	2.30	0.93	14	7	0	41.96	T	T	28	0	0	T	30.48	29.62	2400	
Walchli, Marlene	St Marys, MD	California	3.17	1.13	14	7	1	48.71	T	T	29+	0	0	T	30.43@	29.66@	2100	
Van Wie, Michael	St Marys, MD	Oraville	2.42	1.04	14	6	1	41.79	T	T	28	0	0	T			2400	
Zyla, John	St Mary's, MD	Ridge	2.22	1.19	14	8	1	44.35	0.5	0.5	28	1	0	0.5	30.48	29.70	2400	
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			2.56	1.19				44.95	0.1	0.5				0.1				
. @BAROMETRIC PRESSURE FOR THE 10TH TO 31ST																		
Preuss, Tim	Sussex, DE	Harbeson	2.34	0.83	14	7	0	2.34M	0.0	0.0		0	0	0.0			2200	
Keefer, Greg	Washington, MD	Hagerstown 1 E	2.69	1.18	14	5	1	41.26	0.1	0.1	28	1	0	0.1	30.54	29.57	2400	
Vaughn, Jim	Washington, MD	Smithsburg 3 NE	2.48	0.75	14	8	0	39.73	0.5	0.5	28	1	0	0.5			2000	
<i>WASHINGTON COUNTY, MD AVERAGE/EXTREMES</i>			2.59	1.18				40.52	0.3	0.5				0.3				
Boggs, Kenny	Worcester, MD	Whaleysville						21.88M									0730	
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	2.67	0.96	14	7	0	43.61	0.2	0.2	22	1	0	0.2			2400	
Wash National NWS	Arlington, VA	National Airport	2.49	0.90	14	7	0	40.23	T	T	28+	0	0	T			2400	
Papa, Brian	Washington DC	DuPont Circle NW															2400	
Rickell, Robert	York, PA	Hanover 2 S, PA	3.30	1.17	14	7	1	35.34M	1.1	1.0	28	2	1	1.1			2100	
			<b>DELAYED DATA</b>						<b>NOVEMBER 1999</b>									
Walchli, Marlene	St Marys, MD	California	2.37	1.36	27	6	1	45.76	0.0	0.0		0	0	0.0	30.51	29.42	2400	

M = Missing data

"+" = Also occurred on an earlier date(s)

> = Included in following days data.

e = Estimated

Compiled by Gary Gallaher

01/23/2000