

**ACON MD / DE
DECEMBER 1998 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	50.8	31.3	41.1	77	7+	9	26	0	4	18	0								2400
Hanson, Dan	Anne Arundel	Millersville 1 SE	50.7	30.6	40.7	78	7	11	26	0	4	20	0	39	WNW	30					2400
Jug Bay Wetlands	Anne Arundel	Lothian	54.4	32.2	43.3	82	7	13	26	0	3	18	0								0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGES/EXTREMES</i>			52.0	31.4	41.7	82	7	9	26												
Kreinik, Al	Baltimore	Parkton 5 SW	50.3	30.1	40.2	77	7	9	26	0	3	21	0	45	NW	22	0	0	0	0	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	48.8	28.9	38.9	75	7+	7	26	0	5	21	0	43	NNW	22	0	0	0	1	2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			49.6	29.5	39.5	77	7	7	26												
Manfre, Joe	Baltimore City	Baltimore 2 SE	53.1	39.5	46.3	79	7+	21	30	0	3	8	0								1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	52.4	39.0	45.7	79	7	22	30+	0	3	8	0								2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			52.8	39.3	46.0	79	7	21	30												
Close Jr, Herb	Carroll	Manchester 1 SW	48.5	33.2	40.9	75	6	12	23	0	3	17	0				0	0	0	3	2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	47.5	31.1	39.3	72	7+	10	26	0	5	19	0	51	NW	22					2200
Miller, Bobby	Carroll	Millers 4 NE	49.0	32.7	40.9	75	7	11	26	0	3	16	0	42	SW	22	0	0	0	0	1800
Muller, Ray	Carroll	Finksburg	49.7	29.5	39.6	76	6	10	26	0	3	18	0	39	WNW	22					2200
Rickell, Robert	Carroll	Union Mills 2 SE	47.3	31.5	39.4	74	7	11	26+	0	5	19	0				0	0	0	5	2100
<i>CARROLL COUNTY, MD AVERAGES/EXTREMES</i>			48.4	31.6	40.0	76	6	10	26												
Brumback, Marty	Charles	Bryans Road 2 WSW	-	-	-	-	-	-	-	-	-	-	-								-
Thomas, Jack	Frederick	Thurmont, Middle Mt.	43.3	30.0	36.7	67	5	10	23	0	3	16	0	40	E	30					2200
Harvey, Rebecca	Garrett, MD	Eagle Rock	47.0	28.4	37.7	70	1	0	31+	0	6	21	2								1300
Schlosser, Paul	Harford, MD	Kingsville 1 S																2200			
Giannola, Rich	Howard, MD	Laurel JHU / APL	51.4	34.2	42.8	78	7+	12	26	0	3	19	0	41	W	30					2400
Cohen, Rob	Montgomery	Potomac 4 N	50.6	32.8	41.7	79	6	13	26	0	4	19	0				0	0	1	1	2100
Giannola, Rich	Montgomery	Olney	51.2	31.0	41.1	79	7	10	26	0	3	20	0								2400
Rossen, Stan	Montgomery	Glenmont 1 NNE																2400			
Rossen, Stan	Montgomery	Rockville Mont College																2400			
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	50.6	29.6	40.1	76	6	9	26	0	3	21	0	28	NNW	30	0	0	2	2	2400
Terry, Joe	Montgomery	Forest Glen	52.8	33.9	43.4	81	7	17	26	0	3	14	0	35		22	0	0	0	3	2400
Windolph, Raoul	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-								2359
Wash Gas Light	Montgomery	Rockville 1 NE	50.6	33.4	42.0	78	6	11	26	0	4	15	0				0	0	0	0	2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			51.2	32.1	41.7	81	7	9	26												
Canavan, Jim	New Castle	Wilmington 4 NNE	50.4	33.0	41.7	75	7+	15	31	0	3	14	0				0	0	1	0	2400
Gallaher, Gary	New Castle	Bear 2 SW	49.8	30.2	40.0	73	7+	9	26	0	3	19	0	48	WNW	30+	0	0	0	0	2400
Wilmington NWS ASOS	New Castle	NCC Airport	49.4	32.5	41.0	75	4	13	26	0	4	17	0	47	NW						2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			49.9	31.9	40.9	75	7+	9	26												

**ACON MD / DE
DECEMBER 1998 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
										>=90	<=32	<=32	<=0									
Hudelson, Bill	Prince Georges	South Bowie	49.7	33.8	41.8	76	6	16	26	0	4	18	0	37	NW	22	0	0	1	4	2400	
Abell, Floyd	St Marys, MD	Hollywood	53.2	33.3	43.3	81	7+	15	31	0	3	18	0	35		30	0	0	2	1	2359	
Bubb, Clinton	St Marys, MD	Morganza	51.7	32.6	42.2	79	6	15	31	0	3	18	0	40	NW	30	0	0	2	2	2359	
Walchli, Marlene	St Marys, MD	California	52.7	33.3	43.0	80	7	16	26	0	3	19	0	27		30	0	0	2	2	2100	
Zyla, John	St Mary's, MD	Ridge	53.3	39.4	46.4	79	7	21	31	0	2	9	0	35		30	0	0	2	1	2400	
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			52.7	34.7	43.7	81	7+	15	31					40	NW	30						
Keefer, Greg	Washington, MD	Hagerstown 1 E	50.6	30.9	40.8	77	6	12	26+	0	2	18	0	47	NW	22	0	0	0	1	2400	
Vaughn, Jim	Washington, MD	Smithsburg 3NE	49.8	31.6	40.7	74	5+	13	25+	0	4	18	0				0	0	0	0	2000	
<i>WASHINGTON, MD AVERAGE/EXTREMES</i>			50.2	31.3	40.7	77	6	12	26+													
Boggs, Kenny	Worcester, MD	Whaleysville	52.6	34.5	43.6	78	8+	14	31	0	4	14	0				0	0	1	0	0730	
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	51.8	30.1	41.0	79	6	10	26	0	3	18	0								2400	
Wash National NWS	Arlington, VA	National Airport	52.0	36.8	44.4	79	7	20	23	0	3	9	0								2400	

DATA RECEIVED SINCE LAST REPORT

NOVEMBER 1998

Walchli, Marlene	St Marys, MD	California	59.9	37.1	48.5	72	30	28	22	0	0	7	0	23		26	1	0	0	0	2200
------------------	--------------	------------	------	------	------	----	----	----	----	---	---	---	---	----	--	----	---	---	---	---	------

ACON MD / DE
DECEMBER 1998 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	1.27	0.36	8	9	0	34.38	3.0	3.0	23	1	1	3.0			2400
Hanson, Dan	Anne Arundel	Millersville 1 SE	1.98	0.47	13	12	0	34.47	2.0	1.5	23	2	1	2.0	30.65	29.46	2400
Jug Bay Wetlands	Anne Arundel	Lothian	2.60	1.07	9	13	1	43.11									0900
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			1.95	1.07	9			36.57	2.5	3.0	23			2.5			
Kreinik, Al	Baltimore	Parkton 5 SW	0.86	0.49	8	9	0	43.56	0.7	0.5	23	3	0	0.7	30.64	29.45	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	1.09	0.44	8	7	0	46.57	2.4	2.2	23	2	1	2.4			2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			0.98	0.49	8			43.45	1.6	2.2	23			1.6			
Manfre, Joe	Baltimore City	Baltimore 2 SE	1.49	0.41	23	10	0	36.52	3.0	3.0	23	1	1	3.0			1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	1.34	0.35	8	10	0	18.42M	-	-	-	-	-	-			2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			1.42	0.41	8			37.86	3.0	3.0	23						
Close Jr, Herb	Carroll	Manchester 1 SW	0.75	0.48	8	8	0	47.26	0.9	0.4	23	3	0	0.9			2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	0.73	0.46	8	7	0	40.25	1.2	0.7	23	3	0	1.2			2200
Miller, Bobby	Carroll	Millers 4 NE	0.78	0.37	8	7	0	45.92	0.6	0.4	24	2	0	0.6	30.66	29.45	1800
Muller, Ray	Carroll	Finksburg	0.95	0.53	8	8	0	44.36	2.1	1.3	22	3	1	2.1	30.60	29.47	2200
Rickell, Robert	Carroll	Union Mills 2 SE	0.77	0.40	8	10	0	47.35	1.0	0.5	24	3	0	1.0			2100
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			0.80	0.53	8			45.13	1.2	1.3	22			1.2			
Brumback, Marty	Charles, MD	Bryans Road 2 WSW	2.85	0.96	13	9	0	2.85M	0.8	0.5	23-24	2	0	0.8			2000
Thomas, Jack	Frederick	Thurmont, Middle Mt.	0.85	0.50	8	4	0	46.21	2.5	1.5	31	3	1	2.5			2200
Harvey, Rebecca	Garrett, MD	Eagle Rock	1.98	0.36	18	14	0	45.94	11.5	3.5	18	6	6	13.0			1300
Schlosser, Paul	Harford, MD	Kingsville 1 S						47.08M									2200
Giannola, Rich	Howard	Laurel JHU / APL	1.36	0.42	8	9	0	37.05	2.0	2.0	23	1	1	2.0	30.68	29.51	2400
Cohen, Rob	Montgomery	Potomac 4 N	1.74	0.40	13	10	0	39.98	1.9	1.5	23	3	1	1.9			2100
Giannola, Rich	Montgomery	Olney	1.41	0.61	8-9	9	0	43.25	2.3	2.0	23	2	1	2.3			2400
Rossen, Stan	Montgomery	Glenmont 1 NNE						33.10M									2400
Rossen, Stan	Montgomery	Rockville Mont College						34.38M									2400
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	1.64	0.61	8	10	0	41.14	2.4	2.1	23	2	1	2.4	30.55	29.38	2400
Terry, Joe	Montgomery	Forest Glen	1.62	0.50	8	9	0	44.14	1.3	1.2	23	2	1	1.3	30.65	29.53	2400
Windolph, Raoul	Montgomery	Dawsonville						38.07M									2359

ACON MD / DE
DECEMBER 1998 PRECIPITATION

OBSERVER	COUNTY/STATE	STATION	PRECIPITATION						SNOWFALL					BAROMETER		OBSER TIME	
			TOTAL	MAX CAL DAY	DATE	DAYS >=0.1"	DAYS >=1"	YEAR	TOTAL	MAX CAL DAY	DATE	DAYS >=0.1"	DAYS >=1.0"	SEASON	MAX		MIN
Wash Gas Light	Montgomery	Rockville 1 NE	1.48	0.55	8	9	0	35.05	1.4	1.0	23	2	1	1.4			2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			1.58	0.61	8			39.51	1.9	2.1	23			1.9			
Canavan, Jim	New Castle	Wilmington 4 NNE	1.05	0.35	8	10	0	34.90	2.0	1.5	24	2	1	2.0			2400
Gallaher, Gary	New Castle	Bear 2 SW	1.08	0.29	8	12	0	36.73	3.0	2.7	23	2	1	3.0	30.71	29.46	2400
Wilmington NWS ASOS	New Castle	NCC Airport	1.02	0.31	8	12	0	36.54	-	-	-	-	-	-			2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			1.05	0.35	8			38.98	2.5	2.7	23			2.5			
Hudelson, Bill	Prince Georges	South Bowie	2.19	0.80	8	11	0	44.18	T	T	31+	0	0	T	30.70	29.28	2400
Abell, Floyd	St Marys, MD	Hollywood	2.74	1.02	13	11	1	49.65	1.1	0.5	31	3	0	1.1			2359
Bubb, Clinton	St Marys, MD	Morganza	2.43	0.96	13	12	0	42.72	0.6	0.4	31	2	0	0.6	30.70	29.54	2359
Walchli, Marlene	St Marys, MD	California	2.86	1.23	13	9	1	50.80	1.4	0.5	24+	3	0	1.4	30.60	29.47	2100
Zyla, John	St Mary's, MD	Ridge	3.72	1.13	13	13	1	46.29	1.6	0.8	31	3	0	1.6	30.52	29.50	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			2.94	1.23	13			47.39	1.2	0.8	31			1.2			
Keefer, Greg	Washington, MD	Hagerstown 1 E	0.49	0.35	8	7	0	42.27	0.7	0.5	31	2	0	0.7	30.65	29.45	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE	0.72	0.40	8	7	0	44.65	1.2	0.9	31	2	0	1.2			2000
<i>WASHINGTON COUNTY, MD AVERAGE/EXTREMES</i>			0.61	0.40	8			44.73	1.0	0.9	31			1.0			
Boggs, Kenny	Worcester, MD	Whaleysville	3.55	1.20	9	8	2	47.31	1.5	1.0	25	2	1	1.5	30.60	29.60	0730
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	1.53	0.62	8	9	0	37.43	0.6	0.6	23	1	0	0.6			2400
Wash National NWS	Arlington, VA	National Airport	1.74	0.69	8	10	0	38.93	0.5	0.4	23	2	0	0.5			2400

DATA RECEIVED SINCE LAST REPORT

NOVEMBER 1998

Walchli, Marlene	St Marys, MD	California	1.13	0.43	3	6	0	47.94	0.0	0.0		0	0	0	30.43	29.71	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
01/18/1999