

ACON MD / DE
NOVEMBER 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
Baltimore NWS ASOS	Anne Arundel	BWI Airport	60.1	39.8	50.0	75	10	24	18	0	0	8	0								2400	
Hanson, Dan	Anne Arundel	Millersville 1 SE	60.2	38.5	49.3	76	10	22	18	0	0	9	0	38	SSE	2					2400	
Jug Bay Wetlands	Anne Arundel	Lothian	65.4	39.8	52.6	78	11	22	18	0	0	9	0								0900	
<i>ANNE ARUNDEL COUNTY, MD AVERAGE/EXTREMES</i>			61.9	39.4	50.6	78	11	22	18													
Kreinik, Al	Baltimore	Parkton 5 SW	59.3	38.1	48.7	74	10	21	18	0	0	9	0	48	SSE	2	1	0	0	0	2200	
Sharrow, Marty	Baltimore	Owings Mills 2 SE	58.3	39.4	48.9	71	10	25	30+	0	0	7	0	47	W	2	1	0	0	0	2400	
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			58.8	38.8	48.8	74	10	21	18					48	SSE	2						
Manfre, Joe	Baltimore City	Baltimore 2 SE	61.3	45.7	53.5	76	6	30	30	0	0	1	0				2	0	0	0	1800	
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	60.2	45.6	52.9	75	10	31	30	0	0	1	0								2400	
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			60.8	45.6	53.2	76	6	30	30													
Close Jr, Herb	Carroll	Manchester 1 SW	58.3	41.2	49.7	71	9+	24	30+	0	0	7	0	53		2	1	0	0	0	2100	
Hartsock, Ralph	Carroll	Westminster 4 SSE	56.9	39.4	48.2	70	10	23	18	0	0	8	0	44	SSE	2	1	0	0	0	2200	
Miller, Bobby	Carroll	Millers 4 NE	59.2	39.9	49.6	71	9+	23	18+	0	0	7	0	46	SSE	2	1	0	0	0	1800	
Muller, Ray	Carroll	Finksburg																			0700	
<i>CARROLL COUNTRY, MD AVERAGES/EXTREMES</i>			58.1	40.2	49.2	71	9+	23	18+					53		2						
Brumback, Marty	Charles	Bryans Head 2 ESE	62.6	43.7	53.1	77	10	26	18	0	0	3	0	37@		16					2400	
											.@ = WIND DATA FOR THE 10TH THROUGH 30TH											
Harvey, Rebecca	Garrett, MD	Eagle Rock	55.4	35.1	45.3	74	2	18	30+	0	3	15	0								0800	
Schlosser, Paul	Harford, MD	Kingsville 1 S																			2200	
Giannola, Rich	Howard, MD	Laurel JHU / APL	59.7	41.3	50.5	74	10	26	30+	0	0	11	0	35		14+					2400	
Cohen, Rob	Montgomery	Potomac 4 N	60.6	40.5	50.5	72	10+	24	18	0	0	8	0				1	0	0	0	2100	
Giannola, Rich	Montgomery	Olney	60.6	38.9	49.7	75	10	24	18	0	0	9	0								2400	
Rossen, Stan	Montgomery	Glenmont 1 NNE	62.3	39.2	50.8	76	6	24	18	0	0	8	0	47	SSE	2	1	0	0	0	2400	
Rossen, Stan	Montgomery	Rockville Mont College																			2400	
Scafide, Tony	Montgomery	Bethesda	60.3	43.1	51.7	74	10	29	30+	0	0	4	0	30		14					2401	
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	60.5	38.1	49.3	73	10	21	18	0	0	11	0								2400	
Terry, Joe	Montgomery	Forest Glen	62.5	41.2	51.8	75	10	26	18	0	0	7	0	39	WSW	3	1	0	0	0	2400	
Windolph, Raoul	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	2359	
Wash Gas Light	Montgomery	Rockville 1 NE	60.6	41.3	51.0	74	10	25	18	0	0	5	0				1	0	0	0	2400	
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			61.1	40.3	50.7	76	6	21	18					47	SSE	2						

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NOVEMBER 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	
Canavan, Jim	New Castle	Wilmington 4 NNE	56.6	40.5	48.6	73	10	25	18	0	0	7	0								2400
Gallaher, Gary	New Castle	Bear 2 SW	59.1	38.6	48.9	75	10	21	18	0	0	10	0	40	NNE+	14	0	0	0	0	2400
Wilmington NWS ASOS	New Castle	NCC Airport	58.3	40.4	49.4	74	10	25	18	0	0	7	0	57	SE	2					2400
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			58.0	39.8	48.9	75	10	21	18					57	SE	2					
Hudelson, Bill	Prince Georges	South Bowie	59.3	42.0	50.6	75	10	26	18	0	0	6	0	34	NW		1	0	0	0	2400
Abell, Floyd	St Marys, MD	Hollywood	63.6	42.0	52.8	77	10	25	18	0	0	6	0	38		14	1	0	0	0	2359
Bubb, Clinton	St Marys, MD	Morganza	62.2	40.5	51.4	76	14	23	18	0	0	8	0	34	NW	14	0	0	0	0	2400
Walchli, Marlene	St Marys, MD	California 3 NW																			2100
Van Wie, Michael	St Marys, MD	Oraville	60.8	40.4	50.6	73	14+	24	18	0	0	8	0	31@	NNW	30					2400
Zyla, John	St Mary's, MD	Ridge	62.4	46.3	54.4	76	6	32	30	0	0	1	0	33		14	1	0	0	0	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			62.3	42.3	52.3	77	10	23	18					38		14					
@ = WIND DATA FOR ORAVILLE BEGAN NOV 21.																					
Keefer, Greg	Washington, MD	Hagerstown 1 E	60.5	38.6	49.5	75	9+	22	18	0	0	9	0	42	NW+	14+	0	0	0	0	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE	57.7	40.0	48.9	70	1	23	30	0	0	7	0				0	0	0	0	2000
<i>WASHINGTON, MD AVERAGE/EXTREMES</i>			59.1	39.3	49.2	75	9+	22	18												
Boggs, Kenny	Worcester, MD	Whaleysville																			0730
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	61.2	38.9	50.0	74	10+	22	18	0	0	9	0								2400
Wash National NWS	Arlington, VA	National Airport	61.8	44.4	53.1	76	10	31	30+	0	0	2	0								2400
Papa, Brian	Washington DC	DuPont Circle NW	61.8	46.9	54.4	77	10	32	30	0	0	1	0				1	0	0	0	2400
Rickell, Robert	York, PA	Hanover 2 S	55.9	38.3	47.1	69	10	21	18	0	0	9	0				0	0	0	0	2100
<u>DELAYED DATA OCTOBER 1999</u>																					
Rossen, Stan	Montgomery	Glenmont 1 NNE	67.5	42.3	54.9	80	3	34	28	0	0	0	0	20	N	23	2	0	0	0	2400
Rossen, Stan	Montgomery	Rockville Mont College	65.8	47.2	56.5	80	3	39	25	0	0	0	0	50	WSW	4	1	0	0	0	2400
Windolph, Raoul	Montgomery	Dawsonville	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	0	0	2400
Van Wie, Michael	St Marys, MD	Oraville	65.1	43.6	54.3	76	3	32	24	0	0	1	0								2400

ACON MD / DE
NOVEMBER 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	1.95	1.18	26	5	1	40.97	0.0	0.0	0	0	0.0			2400	
Hanson, Dan	Anne Arundel	Millersville 1 SE	1.88	1.24	26	6	1	38.60M	0.0	0.0	0	0	0.0	30.51	29.32	2400	
Jug Bay Wetlands	Anne Arundel	Lothian	2.65	1.70	27	8	1	48.62	-	0.0	0	0	0.0			0900	
<i>ANNE ARUNDEL COUNTY, MD AVERAGES/EXTREMES</i>			2.16	1.70	27			42.84	0.0	0.0			0.0				
Kreinik, Al	Baltimore	Parkton 5 SW	2.17	1.21	26	9	1	44.81	T	T	30	0	0	T	30.54	29.21	2200
Sharrow, Marty	Baltimore	Owings Mills 2 SE	2.58	1.83	26	10	1	48.87	T	T	30+	0	0	T			2400
<i>BALTIMORE COUNTY, MD AVERAGES/EXTREMES</i>			2.38	1.83	26			46.84	T	T	30+			T			
Manfre, Joe	Baltimore City	Baltimore 2 SE	1.66	0.97	26	6	0	40.01	T	T	30	0	0	T			1800
Maryland Science Ctr	Baltimore City	Baltimore Inner Harbor	1.92	1.00	26	7	1	45.27	-	-	-	-	-	-			2400
<i>BALTIMORE CITY, MD AVERAGES/EXTREMES</i>			1.79	1.00	26			42.77									
Close Jr, Herb	Carroll	Manchester 1 SW	1.61	0.79	26	8	0	43.24	T	T	30	0	0	T			2100
Hartsock, Ralph	Carroll	Westminster 4 SSE	1.55	0.80	26	6	0	39.83	T	T	30	0	0	T			2200
Miller, Bobby	Carroll	Millers 4 NE	1.85	0.87	26	9	0	42.28	T	T	30	0	0	T			1800
Muller, Ray	Carroll	Finksburg						19.92M						0.0			0700
<i>CARROLL COUNTY, MD AVERAGES/EXTREMES</i>			1.67	0.87	26			41.60	T	T	30			T			
Brumback, Marty	Charles, MD	Bryans Head 2 ESE	1.93	1.33	26	8	1	37.92M	0.0	0.0	0	0	0.0				2400
Harvey, Rebecca	Garrett, MD	Eagle Rock	3.04	0.78	27	10	0	46.93	6.5	3.0	4	3	8.5				0800
Schlosser, Paul	Harford, MD	Kingsville 1 S						9.90M									2200
Giannola, Rich	Howard	Laurel JHU / APL	1.70	1.33	26	6	1	40.84	0.0	0.0	0	0	0.0	30.48	29.32	2400	
Cohen, Rob	Montgomery	Potomac 4 N	2.18	1.22	26	5	1	41.85	T	T	30	0	0	T			2100
Giannola, Rich	Montgomery	Olney	1.96	1.42	25-27	4	1	41.14	T	T	30	0	0	T			2400
Rossen, Stan	Montgomery	Glenmont 1 NNE	2.04	1.67	26	5	1	41.84	0.0	0.0	0	0	0.0			2400	
Rossen, Stan	Montgomery	Rockville Mont College						37.15M									2400
Scafide, Tony	Montgomery	Bethesda	1.85	1.33	26	6	1	4.30M	0.0	0.0	0	0	0.0			2400	
Shaw, Kevin	Montgomery	Gaithersburg 2 WNW	1.57	0.87	26	7	0	44.17	T	T	30	0	0	T			2400
Terry, Joe	Montgomery	Forest Glen	1.87	1.41	26	6	1	40.83	0.0	0.0	0	0	0.0	30.55	29.37	2400	
Windolph, Raoul	Montgomery	Dawsonville	1.85	0.86	2	7	0	37.23	T	T	30	0	0	T			2359
Wash Gas Light	Montgomery	Rockville 1 NE	1.93	1.30	26	6	1	38.28	T	T	30	0	0	T			2400
<i>MONTGOMERY COUNTY, MD AVERAGES/EXTREMES</i>			1.91	1.67	26			40.50	T	T	30			T			

ACON MD / DE
NOVEMBER 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	2.44	0.86	2	9	0	53.11	0.0	0.0	0	0	0.0			2400	
Gallaher, Gary	New Castle	Bear 2 SW	1.95	0.89	26	6	0	44.27	0.0	0.0	0	0	0.0	30.54	29.38	2400	
Wilmington NWS ASOS	New Castle	NCC Airport	2.11	0.69	26	7	0	44.84	-	-	-	-				2400	
<i>NEW CASTLE COUNTY, DE AVERAGES/EXTREMES</i>			2.17	0.89	26			47.35	0.0	0.0			0.0				
Hudelson, Bill	Prince Georges	South Bowie	2.80	2.01	26	6	1	45.87	0.0	0.0	0	0	0.0	30.56	29.36	2400	
Abell, Floyd	St Marys, MD	Hollywood	2.04	1.36	26	6	1	45.43	0.0	0.0	0	0	0.0			2359	
Bubb, Clinton	St Marys, MD	Morganza	1.42	0.86	26	5	0	39.64	0.0	0.0	0	0	0.0	30.41	29.38	2400	
Walchli, Marlene	St Marys, MD	California						43.39M								2100	
Van Wie, Michael	St Marys, MD	Oraville	1.35	0.56	26	6	0	39.37	0.0	0.0	0	0	0.0	30.34@		2400	
Zyla, John	St Mary's, MD	Ridge	1.06	0.36	27	8	0	42.13	T	T	30	0	0	T	30.46	29.42	2400
<i>ST MARY'S COUNTY, MD AVERAGE/EXTREMES</i>			1.47	1.36	26			42.29	T	T	30			T			
.@ = BAROMETRC PRESSURE FOR ORAVILLE BEGAN NOV 21.																	
Keefer, Greg	Washington, MD	Hagerstown 1 E	1.16	0.47	2	4	0	38.57	T	T	3	0	0	T	30.56	29.20	2400
Vaughn, Jim	Washington, MD	Smithsburg 3 NE	1.60	0.96	2	7	0	37.25	T	T	30+	0	0	T		2000	
<i>WASHINGTON COUNTY, MD AVERAGE/EXTREMES</i>			1.38	0.96	2			37.93	T	T	30+			T			
Boggs, Kenny	Worcester, MD	Whaleysville						21.88M								0730	
Wash Dulles NWS ASOS	Loudon, VA	Dulles Airport	1.72	0.82	2	5	0	40.94	0.0	0.0	0	0	0.0			2400	
Wash National NWS	Arlington, VA	National Airport	1.82	1.52	26	3	1	37.74	0.0	0.0	0	0	0.0			2400	
Papa, Brian	Washington DC	DuPont Circle NW	1.91	1.65	26	4	1	22.55M	0.0	0.0	0	0	0.0			2400	
Rickell, Robert	York, PA	Hanover 2 S, PA	1.24	0.64	26	7	0	32.04M	T	T	30	0	0	T		2100	
			DELAYED DATA				OCTOBER 1999										
Rossen, Stan	Montgomery	Glenmont 1 NNE	2.72	0.87	4	7	0	39.80	0.0	0.0	0	0	0.0			2400	
Rossen, Stan	Montgomery	Rockville Mont College	2.87	1.04	4	9	1	37.15	0.0	0.0	0	0	0.0	30.44	29.56	2400	
Windolph, Raoul	Montgomery	Dawsonville	2.71	0.83	4	9	0	35.38	0.0	0.0	0	0	0.0			2400	
Van Wie, Michael	St Marys, MD	Oraville	3.09	1.09	20	9	1	38.02	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
 12/21/1999