

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

MARCH 1963

Volume 67 No. 3



ASHEVILLE: 1963

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
MARCH 1963

Station	Temperature												Precipitation											
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
										1st Above	2nd Above	3rd Above	4th Above					Total	Total	Max. Depth on Ground	Date	1.00 or More	.50 or More	1.00 or More
MARYLAND																								
SOUTHERN EASTERN SHORE																								
CRISFIELD HAMMOCK PT	56.6	39.4	48.0	1.5	72	31	29	3	516	0	0	6	0	8.14	4.13	2.60	17	.0	0	9	5	3		
OCEAN CITY WATER PLANT	54.5	38.2	46.4		73	29+	29	3	570	0	0	3	0	7.43		2.29	12	T	T	21	8	4		
POCOMOKE CITY 1 S	61.4	36.6	49.0		78	30	20	3	489	0	0	9	0	7.74		1.82	17	T	T	0	11	4		
PRINCESS ANNE	61.7	37.4	49.6		77	30	24	3	472	0	0	8	0	8.11		2.90	12	.0	0	0	5	2		
SALISBURY	61.9	37.9	49.9		79	30	25	3	457	0	0	10	0	7.85	3.72	2.47	12	.0	0	10	6	2		
SALISBURY FAA AIRPORT	58.9	38.3	48.6		78	30	27	3	500	0	0	10	0	7.17		1.22	11	T	T	0	10	8		
SNOW HILL	61.3	37.1	49.2	4.5	79	30	23	3	481	0	0	10	0	8.06	3.44	2.20	12	T	T	0	10	5		
DIVISION			48.7											7.79				T						
CENTRAL EASTERN SHORE																								
BLACKWATER REFUGE	56.5	37.3	46.9		75	31+	26	3	555	0	0	9	0	6.35		1.97	12	T	0	8	4	2		
CAMBRIDGE 4 W	58.7	36.9	47.8		81	30	23	3	525	0	0	12	0	7.14		1.94	12	T	T	21	10	5		
DENTON	59.8M	35.8	47.8M		84	30	22	3	534	0	0	12	0	6.69		2.41	12	.6	T	11	10	6		
EASTON POLICE BARRACKS	61.0	36.9	49.0	4.7	82	31+	25	3	490	0	0	8	0	5.94	1.99	2.01	12	.0	0	10	3	2		
PRESTON 1 S	59.1	37.3	48.2		79	30	25	3	515	0	0	9	0	6.58		T	12	T	0	10	4			
ROYAL OAK	59.5	37.6	48.6		81	30	24	3	506	0	0	9	0	6.51		2.38	12	.5	0	10	3			
VIENNA	59.5	37.6	48.6		75	28	26	3	501	0	0	9	0	6.93		2.00	12	T	0	10	3			
DIVISION			48.1											6.59				.2						
LOWER SOUTHERN																								
CHARLOTTE HALL 1 ESE	62.5M	38.1M	50.3M		84	30	27	16+	447	0	0	0	0	6.07		1.95	12	T	0	9	4	1		
LA PLATA 1 W	63.6	35.5	49.6		86	30	20	3	469	0	0	13	0	6.30		2.18	12	.6	1	11	8	5		
LEONARDTOWN 3 NW	63.3	35.3	49.3		83	30	21	3	479	0	0	12	0	5.79		1.95	12	.0	T	11	10	6		
OWINGS FERRY LANDING	60.5	37.2	48.9	4.3	83	30	24	3	495	0	0	10	0	6.18	2.69	2.33	12	T	T	11	9	4		
PRINCE FREDERICK	59.9M	36.2M	48.1M		84	30	21	3	517	0	0	0	0	5.03		1.86	12	T	T	11	4	3		
SOLOMONS	59.0	39.3	49.2	3.9	80	30	28	3	486	0	0	2	0	5.69	2.08	1.68	12	T	T	11	10	5		
WALDORF POLICE BRKS	66.0	32.6	49.3		87	30	18	3	478	0	0	16	0	7.01		1.90	12	T	0	9	7			
DIVISION			49.2											6.01				.1						
UPPER SOUTHERN																								
ANNAPOLIS 2 WNW														4.45	.83	2.05	12				5	2		
BALTIMORE WB AIRPORT	R 57.3	M 34.5	M 45.9	2.8	85	30	25	15+	583	0	0	14	0	4.68	.86	.98	6	1.8	2	11	9	5		
BELTSVILLE	57.0	31.5	44.3		84	31	17	11	639	0	0	18	0	4.85		1.40	12	2.0	T	21+	7	5		
BELTSVILLE PLANT STA 5	57.1	32.5	44.8		85	31	20	3	620	0	0	16	0	5.27		1.63	12	2.6	1	12	7	5		
COLLEGE PARK	60.5	35.3	47.9	3.9	85	30	24	15+	521	0	0	10	0	5.33	1.60	1.33	12	1.0	1	11	9	4		
DALECARLIA RESERVOIR DC	61.0	35.0	48.0		84	30	23	3	519	0	0	14	0	4.95		1.26	12	.0	0	9	4			
FORT GEORGE G MEADE	60.4	33.5	47.0		85	30	20	3	550	0	0	14	0	5.23		1.10	6	2.2	2	11	10	4		
GLENM DALE BELL STA	62.4	32.9	47.7	4.5	86	30	19	15+	531	0	0	17	0	5.86	2.02	1.75	12	.0	1	11	9			
LAUREL 3 W	59.3	37.5	48.4		83	31+	27	23	513	0	0	10	0	5.48		1.89	12	.0	0	8	4			
NATIONAL ARBORETUM D C	61.7	37.2	49.5		85	30	28	15+	477	0	0	8	0	5.81		1.81	12	2.0	0	9	4			
SUITLAND	57.2	37.6	47.4		84	31	26	3	542	0	0	9	0	6.27		2.24	12	.2	T	21	7			
U S SOLDIERS HOME D C	58.7	35.0	46.9		86	30	23	21	556	0	0	12	0	4.88		1.22	6	.0	0	8	4			
UPPER MARLBORO 3 NNW	58.4	36.1	47.3		85	31	20	3	549	0	0	13	0	6.06		2.01	12	.0	0	7	5			
WASHINGTON WB CITY DC	R 60.4	M 40.1	M 50.3		87	30	31	23+	455	0	0	3	0	5.54		1.17	6	.0	0	8	4			
DIVISION			47.3											5.33				1.1						
NORTHERN EASTERN SHORE																								
CENTREVILLE	58.1	36.5	47.3		81	30	25	16+	540	0	0	12	0	5.36		1.56	12	1.5	T	21+	9	4		
CHESTERTOWN	56.6	36.3	46.5		81	30	26	3	566	0	0	11	0	4.91		1.13	6	.5	T	11	9			
COLEMAN 3 WNW	56.4	36.2M	46.3M	5.1	80	30	28	16+	587	0	0	11	0	4.44	.58	1.08	6		T	11	8			
MILLINGTON	57.8	34.6	46.2	2.8	83	30	21	3	576	0	0	11	0	4.50	.64	1.04	6	T	T	11	7			
ROCK HALL 3 SE	56.2	36.8	46.5	3.3	77	30	25	3	568	0	0	10	0	5.01	1.25	T	12	T	0	8	5			
DIVISION			46.6											4.84				.5						
NORTHERN CENTRAL																								
BALTIMORE WB CITY	R 57.1	M 39.0	M 48.1	3.4	81	25	30	23+	521	0	0	8	0	4.50	.56	1.14	6		1	11	9			
BENSON POLICE BARRACKS	58.8	31.4	45.1		86	27	21	3	609	0	0	18	0	4.43		1.17	6	.5	1	11	7			
BOYDS 2 NW	57.0	34.8	45.9		82	30	25	15+	586	0	0	14	0	5.18		1.80	6	3.5	1	12	9			
CONOWINGO DAM	53.8	32.6	43.2		80	25	24	3	670	0	0	16	0	3.71		.92	6	.0	0	10	2			
EDGEWOOD ARSENAL	54.3	33.1	43.7		77	30+	23	3	651	0	0	15	0	4.58		.90	6	.5	1	11	9			
ELKTON	55.9	34.0	45.0	2.9	78	25	23	15+	615	0	0	14	0	4.63	.44	.92	6	T	T	11+	9			
EMMITSBURG 2 SE	55.3	31.3	43.3		78	25	14	1	664	0	0	19	0	4.53		.82	6	3.0	3	11	10			
FREDERICK WB AIRPORT	R 54.3	M 33.5	M 43.9	2.8	80	25	24	15	647	0	0	16	0	4.61	1.08	1.10	19	2.7	2	12				
PARKTON 2 SW	53.5	32.0	42.8		79	30	21	15	682	0	1	18	0	3.87		.72	6	1.5	1	11				
ROCKVILLE	59.7	36.3	48.0		82	30	27	3	519	0	0	12	0	4.86		1.00	11	T	T	21+				
TOWSON	58.5	33.7	46.1		82	30+	15	1	578	0	0	17	0	4.72	.59	1.13	2	T	0	7				
UNIONVILLE	54.9	30.7	42.8		79	25	20	15	681	0	0	19	0	4.08		.58	6	1.8	2	11				
WESTMINSTER	54.1	33.7	43.9	2.6	77	25	23	23+	648	0	1	16	0	4.81	.76	1.31	20	2.0	2	12				
WHEATON REGIONAL PARK	58.9	32.4	45.7		81	30+	20	15	591	0	0	17	0	4.44		.86	6	.0	0	8				
WOODSTOCK	57.2	32.4	44.8	3.0	81	30	19	15	620	0	0	16	0	3.99	.37	.75	6	3.0	3	11				
DIVISION			44.8											4.46				1.3						
APPALACHIAN MOUNTAIN																								
BOONSBORO	55.8	36.6	46.2		79	25	24	15	577	0	0	9	0	4.35		.69	6	3.5	4	1				
CHEWSVILLE BRIDGEPORT	55.0	34.0	44.5	3.9	79	25	25	15	626	0	0	16	0	4.27	1.19	.64	6	4.5	3	11+				
CUMBERLAND	55.8	33.5	44.7		77	29+	22	3	623	0	0	15	0	6.58	</									

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
MARCH 1963

CONTINUED

Station	Temperature										Precipitation										
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest Date	Lowest Date	Degree Days	No. of Days			Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days			
								90° or Above	32° or Below	0° or Below					Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More	
																					Max.
WESTERNPORT	56.3	32.8	44.6	2.7	80 29+	21 3	629	0	0	14	0	8.62	4.85	1.40	4				12	8	3
DIVISION			43.9	3.0												6.2					
ALLEGHENY PLATEAU																					
BITTINGER 2 NW	48.1	29.0	38.6		70 30+	15 15+	810	0	3	22	0	7.31		.96	4	15.8	13	3+	14	6	0
OAKLAND 1 SE	50.8	27.1	39.0	2.9	75 29	13 3	800	0	2	25	0	9.36	4.81	1.92	19	6.9	2	11+	16	7	2
SAVAGE RIVER DAM	50.1	28.3	39.2		73 31+	16 3	750	0	1	25	0	5.06		1.83	5				7	4	1
SINES DEEP CREEK	48.5	26.8	37.7	2.9	77 30	13 4	840	0	5	25	0	9.34	4.81	2.01	5	12.0	11	3+	13	5	5
DIVISION			38.6	3.5												11.6					
DELAWARE																					
NORTHERN																					
MIDDLETOWN 2 S	M	M	M		78 25	24 3	636	0	0	0	0	4.46		.89	6	.0	0		7	6	0
NEWARK UNIVERSITY FARM	55.0	33.6	44.3		78 25	26 23+	641	0	0	17	0	4.24	.22	1.01	6	.0	0		21+	11	2
WILMGTON NCASTLE WB AP	53.7	34.4	44.1	2.8	78 25	27 23+	655	0	0	14	0	4.20	.19	.93	6	T	1	1	11	1	0
WILMINGTON PORTER RESVR	52.5	34.8	43.7		76 25	27 23+	655	0	0	14	0	4.20	.19	.93	6	T	1	1	11	1	0
DIVISION			44.0	2.3								4.30	.35			T					
SOUTHERN																					
BRIDGEVILLE 1 NW	59.2	36.3	47.8	4.2	79 30	25 3	526	0	0	12	0	6.91	2.93	2.46	12	1.5	T	11	9	4	3
DOVER	59.5	34.6	47.1	3.4	81 30	22 4	546	0	0	14	0	5.23	1.11	1.44	12	T	T	11	7	4	3
GEORGETOWN 5 SW	60.8	36.1	48.5		79 30	23 3	502	0	0	11	0	7.31		2.54	12	.0	0		9	5	2
LEWES 1 SW	58.8	37.5	48.2		81 30	26 3	516	0	0	7	0	6.64		1.85	12	T	0		9	6	1
MILFORD 3 WNW	60.7	35.9	48.3		81 30	21 3	513	0	0	9	0	7.54		3.18	12	.0	0		10	4	3
SELBYVILLE	61.0	36.7	48.9		80 30	24 3	495	0	0	9	0	7.29		2.30	12	T	0		10	4	2
DIVISION			48.1	4.3								6.82	2.63			.3					

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 87° on the 30th at Washington WB City, D. C., and at Waldorf Police Brks., Md.

Lowest Temperature: 13° on the 4th at Sines Deep Creek, Md., and on the 3d at Oakland 1 SE

Greatest Total Precipitation: 9.36 inches at Oakland 1 SE, Md.

Least Total Precipitation: 3.71 inches at Conowingo Dam

Greatest One-Day Precipitation: 3.18 inches on the 12th at Milford 3 WNW, Del.

Greatest Reported Total Snowfall: 15.8 inches at Bittinger 2 NW, Md.

Greatest Reported Depth of Snow on Ground: 13 inches on the 3+ at Bittinger 2 NW, Md.

See reference notes following Station Index.

DAILY PRECIPITATION

MARYLAND AND DELAWARE
MARCH 1963

Station	Total	Day of Month																																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
MARYLAND																																								
ANAPOLIS 2 WNW	4.45				.35							2.05							1.30	.30												.05	.40							
BALTIMORE WB AIRPORT R	4.58	.06			.06	.32	.98				T	.88	.53	.01			.40	.26		.52	.03	.01									.51	.11								
BALTIMORE WB CITY R	4.50	.07			.10	.33	1.14					.75	.30				.42	.30		.40	.03	.04									.55	.07								
BELTSVILLE	4.85		.04			.33	.68	.23				1.40	.02					.70			.77	.03									.65									
BELTSVILLE PLANT STA 5	5.27		.03			.35	.76	.36			.04	1.63	.03					.65			.01	.80	.01								.60									
BENSON POLICE BARRACKS	4.43		.03		.03	.53	1.17					.05	.65	.05	.06			.56		.10	.53										.18	.12								
BITTINGER 2 NW	7.31	.52	.04		.96	.86	.45	.05			.23	.24	.40				.09	.79		.94	.84	.40	.02																	
BLACKWATER REFUGE	6.35	T	.39			.07	.85	.23			.13	1.97					T	1.40		.95	.05	T										.31								
BOONSBORO	4.35	.23	.12		.17	.50	.69				.02	.28	.91	.02			.15	.41		.46	.45	.05									.06	.22								
BOYDS 2 NW	5.18	.04	.14			.01	1.80					.25	.63				.22	.49		.81	.33	.04									.35	.07								
BRIGHTON DAM	3.89		.11			.36	.53	.06					1.12					.72			.54											.45								
BROOKDALE	5.67	T	.05		T	T	1.37					.63	1.34	T			.41	.36		.78	.34	.01								.11	.27									
CAMBRIDGE 4 W	7.14	.04	.39			.14	.88					.38	1.94	.04			.57	1.48		.59	.41	T										.28								
CENTREVILLE	5.36	T	.08			.50	1.02	T				.15	.94		T			.17	.24	.02			T																	
CHARLOTTE HALL 1 ESE	6.07	T				.16	.96					.40	1.95	.04				.40	.88		.60	.41	T										.27							
CHESTERTOWN	4.91	.05	.02		.06	.47	1.13				.02	.41	.95	.02			.41	.44		.24	.21	T											.40	.08						
CHEWVILLE BRIDGEPORT	4.27	.24	.33		.28	.45	.64	T	T			.15	.44	T			.12	.38		.46	.37	.01	T									.05	.33		.02					
COLEMAN 3 WNW	4.44	.08			.03	.67	1.08					.14	.80	.06				.71		.11	.21	.01											.55							
COLLEGE PARK	5.33	T				.29	1.33				T	.32	1.33				.19	.48		.56	.29	.03											.03	.55						
CONOWINGO DAM	3.71	.18	T		.37		.92				T	.18	.34	.02			.20	.37		.18	.36												.54	.05						
CRISFIELD HAMMOCK PT	8.14	.08	.40	.05		.20	1.13					.11	1.70	.10			.05	2.60		.80	.90																			
CUMBERLAND	6.58		.67			1.50	.47	.33	T		.02	T	1.23				.70		.05	1.29	.04	T	T									.24			.04					
CUMBERLAND POLICE BRKS	7.70	.67	.10		.53	1.04	.68				.11	.90	T				1.02	.70		.83	.65	.06										.17	.21			.03				
DALECARLIA RESERVOIR DC	4.95		.04		.01	.26	1.03				.02	.04	1.26	.04				.20	.56		.77	.40	.03										.15	.14						
DENTON	6.69	.16	.05			.28	1.03					.50	2.41				.68	.71		.51	.10	.01											.25							
EASTON POLICE BARRACKS	5.94		.49			.10	.85					.27	2.01				.16	1.00		.40	.42	.02												.22						
EDGEWOOD	4.61		.76			.77	.54	.24				.74	.93	.04			.35	.27		.37	.03	T											.74	.03		.04				
EDGEWOOD ARSENAL	4.58	.07	.36		.40	.38	.90				.10	.62	.03				.10	.62		T	.60											.61	.09							
ELKTON	4.50				.10	.72	.92					.05	.56	.03				T	.52		.26	.50	T										.05	.35						
EMMITSBURG 2 SE	4.53	.05	.50			.16	.52	.82			T	.30	.45					T	.52		.26	.50	T										.05	.35			.05			
FORT GEORGE G MEADE	5.23		.10		T	.44	1.10				.04	.38	1.14	.03			.14	.59		.38	.25	.02												.14	.62					
FREDERICK WB AIRPORT R	4.63	.23	.17		.30	.28	.58				.30	.28	.58				.24	.28		1.10	.06	T										.36	.14							
FREDERICK 3 E	4.77		.34			.47	.83					.47	.83					.60			1.13	T												.62						
FROSTBURG	7.27	T	.80			1.64	.51	.06			T	T	1.53				.68			.03	1.56	.14	T										.32							
GLENN DALE BELL STA	5.86					.30	1.03					.43	1.75				.12	.71		.52	.34													.60						
HAGERSTOWN	4.57	.65			.28	.52	.63					.43	.28				.12	.40		.46	.41	.02											.06	.31						
HANCOCK FRUIT LAB	4.96		.57			1.14	.64	.02			T	.81					.41			1.13	.02												.22							
LA PLATA 1 W	6.30	T	.07			.06	.90				T	.46	2.18	.02			.57	.66		.73	.18	.01											.05	.41						
LAUREL 3 W	5.48		.11			.42	.73	.40				1.89	.04				.67			.74														.48						
LEONARDTOWN 3 NW	5.79		.23			.12	.88					.23	1.95	.05			.39	.88		.80	.13												.05	.08						
LOCH RAVEN DAM	4.39	.02	.18		.10	.45	.98					.10	.81	.05			.49			.25	.50													.46						
LUKE	6.82		.63			1.67	.56					1.42					.62			.16	1.54	.05											.12				.05			
MERRILL	6.85	.02	.82			1.74	.35	.49	.02		.16	1.07					.12	1.44		.12	1.44	.18	.09										.24				.11			
MILLINGTON	6.50					.77	1.04					.12	1.17				.08	.34		.08	.34													.26						
NATIONAL ARBORETUM D C	5.81	T	.05		.04	.22	1.12					.36	1.81	.03			.18	.60		.68	.25	.04											.03	.40						
OAKLAND 1 SE	9.36	.48	.61		.84	1.56	.44	.02	.11		.16	.66	.71				.16	.64		1.92	.42	.12	.06										.24	.09			.12		T	
OCEAN CITY WATER PLANT	7.43		.85			.35	1.00					.04	2.29	.08			.19	1.99		.29	.39	T												.15						
OWINGS FERRY LANDING	6.18		.05			.10	.91					.42	2.33				.47	.54		.57	.38													.38						
PARKTON 2 SW	3.87	.24	.03		.32	.34	.72				T	.30	.29	.01			.19	.31		.15	.50	T											.33	.13						
PICARDY	5.93	.31	.10		.51	.84	.75					.32	.50				.16	.74		.83	.47													.18	.13			.06		
POCOMOKE CITY 1 S	7.74	.15	.45			.47	.99					.20	1.80	.02			.48	1.82		.78	.14	.07												.37						
POTOMAC FILTER PLANT	4.30		.14			.37	.60	.10				1.37					.72			1.00																				
PRESTON 1 S	6.58	.03	.23			.21	1.03					.32	T	T			.79	.62		.38	.41													.24						
PRINCE FREDERICK	5.03					T	1.10					.45	1.86				1.62			1.62		T																		
PRINCESS ANNE	8.11		.77			.29	.69					.07	2.90	.09			.12	1.72		.47	.35													.64						
ROCK HALL 3 SE	5.01	.03	.09		.01	.54	1.01				T	.43	1.20	.02			.23	.74		.19													.02	.50						
ROCKVILLE	4.86		.16		T	.43	.78	.14			.05	1.00	.85				T	.70		.50	.25	T																		
ROYAL OAK	6.51	T	.17																																					

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
MARYLAND																																	
ANNAPOLIS 2 WNW	MAX MIN	50 21			52 22	47 39	53 36	52 35	56 29				25	48 32	52 40	50 37	48 27				76 21	56 33	56 35	50 30	48 32	80 21	70 41	66 42	73 41	69 41			
BALTIMORE WB AIRPORT	MAX MIN	35 31	43 29	56 25	58 28	46 35	52 35	51 30	54 29	56 27	56 36	36 30	48 36	55 36	50 34	52 25	53 26	76 41	60 42	42 33	56 35	45 31	49 32	54 28	74 28	80 43	78 47	65 43	76 39	67 45	85 44	69 46	57.3 34.5
BALTIMORE WB CITY	MAX MIN	35 32	45 35	54 32	52 36	46 36	50 36	50 36	55 36	54 35	56 42	41 30	49 37	56 42	52 40	52 34	51 36	78 43	59 44	44 34	55 36	44 32	48 35	56 30	75 38	81 51	74 50	66 48	78 48	67 47	80 46	68 51	57.1 39.0
BELTSVILLE	MAX MIN	45 31	46 32	46 21	56 25	63 40	45 36	51 34	50 25	54 24	58 23	55 17	50 29	46 32	61 37	50 22	52 32	54 23	76 23	58 36	39 33	55 30	44 32	27 25	25	75 36	79 50	75 41	65 33	75 41	68 42	84 45	57.0 31.5
BELTSVILLE PLANT STA 5	MAX MIN	45 32	42 32	43 20	56 25	63 40	46 36	52 34	51 25	54 24	58 30	55 26	39 30	46 36	62 34	50 21	51 22	54 40	77 45	59 34	40 34	55 32	45 32	48 29	56 24	75 33	78 50	73 38	66 30	77 37	68 42	85 41	57.1 32.5
BENSON POLICE BARRACKS	MAX MIN	34 27	41 29	51 21	50 25	46 33	48 33	48 27	52 25	51 24	54 32	52 25	52 26	52 37	53 35	50 23	51 23	71 38	71 36	71 29	62 31	48 26	47 31	54 26	71 26	80 33	75 37	86 42	75 38	74 42	82 45	71 45	58.8 31.4
BITTINGER 2 NW	MAX MIN	33 26	36 22	48 15	48 31	47 35	35 25	42 25	50 29	42 29	49 22	29 21	57 28	59 38	41 24	43 15	44 36	65 42	49 32	33 29	40 27	29 19	28 18	43 16	63 32	68 61	63 39	54 31	66 38	70 39	70 48	62 38	48.1 29.0
BLACKWATER REFUGE	MAX MIN	42 30	42 32	48 26	56 33	52 36	55 37	51 35	54 30	56 37	54 40	49 28	46 34	62 45	62 42	47 31	48 30	66 44	66 48	56 34	50 34	50 33	42 33	46 29	60 30	69 45	66 49	63 48	72 45	75 44	75 51	56.5 37.3	
BOONSBORO	MAX MIN	34 30	39 29	54 28	51 35	47 35	45 38	45 27	50 30	55 30	51 35	47 28	39 34	51 35	54 37	55 29	51 35	77 37	72 45	48 31	51 33	42 27	43 30	56 25	74 38	79 52	74 36	61 43	76 48	70 44	67 45	55.8 36.6	
BOYDS 2 NW	MAX MIN	34 30	40 30	54 25	53 35	53 35	48 38	47 27	52 30	55 30	53 35	43 28	41 31	57 37	53 38	54 25	47 35	78 37	73 45	52 31	48 38	45 28	42 30	56 27	75 31	78 44	78 47	62 41	75 42	72 42	82 46	66 46	57.0 34.8
CAMBRIDGE 4 W	MAX MIN	46 31	48 31	52 23	62 34	56 39	57 37	53 32	56 27	62 32	56 40	45 27	50 35	63 43	55 41	45 32	52 27	72 45	63 48	53 35	51 35	46 32	47 34	50 31	69 27	76 49	73 51	65 48	76 45	71 46	81 48	66 52	58.7 36.9
CENTREVILLE	MAX MIN	37 31	42 30	53 25	57 32	52 37	54 37	50 35	55 30	63 28	58 41	49 30	49 33	57 40	55 30	45 26	53 40	72 40	69 25	54 34	53 34	50 31	47 35	51 30	69 29	76 48	73 52	64 47	75 45	70 46	81 51	67 51	58.1 36.5
CHARLOTTE HALL 1 ESE	MAX MIN	45 32			48 37	53 37	57 34	58 27	65 36	70 40	57 29	52 35	72 42	61 42	51 28	50 27	71 44	68 54	57 34	53 35	51 31	48 32	56 28	72 29	79 50	75 52	68 46	78 45	76 45	84 40	74 55	62.5 38.1	
CHESTERTOWN	MAX MIN	36 31	42 31	52 26	56 30	45 36	51 36	52 36	57 31	58 38	59 35	49 39	48 39	53 40	59 35	50 39	54 28	72 44	62 42	42 33	56 35	45 34	49 33	52 28	69 31	78 48	74 50	65 45	77 43	67 46	81 44	67 48	56.6 36.3
CHEWSVILLE BRIDGEPORT	MAX MIN	33 30	40 29	51 26	47 28	43 35	44 33	45 34	50 28	54 28	50 31	42 29	40 29	54 31	50 37	49 25	52 31	77 39	69 45	50 33	52 33	43 28	44 30	57 26	75 28	79 43	72 52	61 43	75 45	70 43	69 38	59 41	55.0 34.0
COLEMAN 3 WNW	MAX MIN	35 30	39 33	51 28	52 31	44 38	49 35	48 35	54 30	54 28	48 40	45 30	45 32	50 40	48 38	48 29	54 28	71 41	71 45	53 33	52 34	49 33	46 34	51 29	69 31	78 45	74 52	68 46	75 43	80 45	66 50	56.4 36.2	
COLLEGE PARK	MAX MIN	39 33	45 34	57 24	64 28	52 41	52 36	51 36	56 28	62 25	59 36	37 29	47 31	61 41	61 40	54 24	54 25	78 44	75 48	55 34	55 35	50 32	49 33	57 31	76 27	79 33	76 41	67 43	78 31	76 41	85 44	72 47	60.5 35.3
CONOWINGO DAM	MAX MIN	34 28	39 27	50 24	45 27	42 36	49 35	49 30	52 27	48 27	54 30	37 28	44 36	44 35	47 33	49 25	51 25	67 42	60 39	47 31	47 33	43 31	47 31	55 30	75 28	80 36	73 40	65 41	75 36	66 41	68 46	66 42	53.8 32.6
CRISFIELD HAMMOCK PT	MAX MIN	46 31	46 33	48 29	57 35	55 32	54 39	52 38	57 32	56 32	53 44	52 32	53 32	61 46	60 42	53 32	42 32	60 45	58 45	50 35	51 43	56 35	48 35	48 43	60 35	66 48	60 50	63 43	69 49	70 45	70 48	72 49	56.6 39.4
CUMBERLAND	MAX MIN	40 29	38 29	57 22	52 29	43 36	40 33	43 35	50 26	52 27	49 38	43 29	46 31	60 32	61 35	51 26	57 27	69 42	67 45	48 34	47 36	39 28	38 29	54 26	73 28	77 41	73 43	61 28	74 39	77 45	71 42	55.8 33.5	
CUMBERLAND POLICE BRKS	MAX MIN	40 30	39 30	56 21	56 26	43 35	41 33	42 33	50 24	52 23	51 37	45 25	40 30	70 32	67 34	51 22	51 33	75 34	74 22	50 32	47 35	40 28	39 28	53 26	73 26	78 37	77 40	60 40	75 31	75 33	75 41	71 37	56.9 31.2
DALECARLIA RESERVOIR D C	MAX MIN	41 34	43 32	57 23	65 29	53 25	51 31	51 29	54 24	64 27	62 38	51 29	47 33	64 38	64 37	51 26	54 29	79 41	77 47	55 35	55 34	49 28	47 30	57 30	75 30	80 40	74 51	66 42	77 36	75 41	84 48	70 41	61.0 35.0
DENTON	MAX MIN	47 32	46 32	56 22	60 35	59 38	58 37	53 34	56 26	63 28	58 40	46 28	50 35	55 40	55 40	56 25	56 25	74 45	66 45	51 34	57 34	48 31	50 31	53 29	72 27	81 48	70 52	66 42	79 43	65 46	84 47	59.8 35.8	
EASTON POLICE BARRACKS	MAX MIN	42 33	49 33	53 25	59 35	58 39	55 37	53 35	57 28	62 36	58 43	58 30	50 33	63 44	62 37	55 29	55 28	72 44	72 49	56 35	55 35	50 29	48 35	52 30	69 29	77 48	73 50	67 47	76 44	75 47	82 39	82 38	61.0 36.9
EDGEWOOD ARSENAL	MAX MIN	34 31	42 29	49 23	49 26	44 36	49 36	48 26	53 26	53 22	54 28	39 29	45 32	52 37	49 24	49 32	50 24	68 42	55 34	40 34	54 34	44 34	48 32	53 30	66 27	77 34	73 48	64 43	75 36	65 46	77 46	66 43	54.3 33.1
ELKTON	MAX MIN	34 30	40 32	51 23	45 26	43 38	50 35	48 35	54 26	54 29	55 40	48 26	31 31	47 39	48 37	50 23	53 25	72 40	68 45	48 30	50 35	44 30	49 33	56 29	72 27	78 43	75 41	65 45	75 41	70 45	77 45	66 44	55.9 34.0
EMMITSBURG 2 SE	MAX MIN	32 14	40 29	48 28	48 25	40 35	45 32	46 33	50 27	50 26	50 31	50 26	48 28	49 33	51 34	50 22	51 42	75 47	74 45	54 31	52 32	49 30	46 31	55 25	74 24	78 37	75 39	60 43	71 40	73 42	67 37	55.3 31.3	
FORT GEORGE G MEADE	MAX MIN	36 30	44 31	56 20	62 25	48 38	55 35	51 33	55 26	59 22	56 34	47 30	40 32	61 40	61 38	52 23	54 23	76 41	74 46	60 33	57 33	51 29	48 31	55 26	75 24	80 39	77 50	65 42	77 33	75 43	85 43	70 45	60.4 33.5
FREDERICK WB AIRPORT	MAX MIN	33 29	41 29	55 31	46 28	41 36	48 33	47 31	53 29	47 26	53 33	40 30	32 32	54 36	48 35	50 24	52 25	78 39	55 37	39 32	54 34	43 29	45 32	57 28	75 28	80 38	72 40	61 44	76 39	68 43	69 43	66 41	54.3 33.5
FROSTBURG	MAX MIN	41 26	37 25	32 22	51 29	45 31	45 30	35 28	37 24	45 29	52 32	43 25	35 26	55 32	64 29	20 20	47 37	60 36	70 35	47 30	41 30	42 22	33 22	32 21	54 29	68 40	72 43	69 39	58 39	69 43	73 38	50.2 30.5	
GLENN DALE BELL STA	MAX MIN	44 32	46 30	57 19	64 26	52 40	53 36	63 32	56 25	63 22	66 30	56 26	48 32	66 41	66 37	55 19	76 42	76 46	76 46	56 34	57 34	52 31	49 32	56 23	75 24	81 39	78 49						

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
OAKLAND 1 SE	MAX	36	41	48	48	49	39	36	43	50	42	37	56	62	45	47	50	67	55	43	50	30	29	44	65	69	64	52	68	75	73	63	50.8
	MIN	31	24	13	20	37	27	27	29	29	30	25	23	35	26	27	16	23	39	28	21	28	20	21	15	23	31	32	33	30	27	46	34
OCEAN CITY WATER PLANT	MAX	43	49	44	43	51	53	53	55	55	58	57	55	52	49	48	46	61	65	58	54	48	47	46	53	63	53	63	73	73	57	63	54.5
	MIN	32	38	29	35	38	35	36	34	38	40	36	38	40	42	34	36	41	49	35	36	34	36	31	35	44	42	44	45	44	42	44	38.2
OWINGS FERRY LANDING	MAX	41	46	56	68	65	54	53	56	65	58	52	47	65	51	50	54	75	72	53	56	48	49	53	73	79	75	67	77	66	83	68	60.5
	MIN	33	30	24	39	38	35	32	30	30	40	28	33	42	41	29	28	43	48	34	35	33	33	28	29	53	52	45	48	45	38	56	37.2
PARKTON 2 SW	MAX	32	40	51	47	43	45	46	50	53	52	36	45	53	46	47	48	73	60	35	53	43	45	52	71	77	73	61	74	65	79	65	53.5
	MIN	28	29	22	27	33	33	29	27	29	33	25	32	39	29	31	21	25	38	33	29	32	29	28	24	31	43	41	40	41	37	43	43
PICARDY	MAX	38	35	53	50	42	43	42	49	51	49	40	45	68	60	50	51	74	66	46	47	37	38	53	72	77	72	58	73	74	75	70	54.8
	MIN	29	29	24	29	36	32	22	31	28	34	28	29	29	34	20	28	38	43	31	35	26	27	24	34	46	49	40	44	37	43	41	32.9
POCOMOKE CITY 1 S	MAX	51	49	50	66	61	62	56	57	65	59	55	56	70	65	51	52	69	64	54	56	56	48	50	69	76	75	65	75	71	78	73	61.4
	MIN	30	36	20	31	40	39	36	25	33	47	25	39	48	43	28	34	43	43	36	36	32	33	28	29	40	52	42	34	41	44	47	36.6
PRESTON 1 S	MAX	42	48	51	60	57	58	52	56	60	55	40	50	65	61	49	54	71	69	55	53	50	47	50	66	76	71	67	75	72	79	72	59.1
	MIN	33	33	25	34	39	37	33	28	32	39	29	34	43	42	29	28	45	49	35	35	31	34	31	29	47	51	49	42	46	40	53	37.3
PRINCE FREDERICK	MAX	42	46	56	68	65	56	55	58	64	59	51	49	68	52	49	68	74	66	66	53	44	48	52	79	67	67	68	84	74	75	59.9	
	MIN	32	35	21	49	43	38	33	27	37	42	28	33	42	41	29	42	52	46	34	35	31	32	29	48	48	46	43	48	43	56	36.2	
PRINCESS ANNE	MAX	48	49	53	65	63	62	54	57	62	59	58	58	69	69	51	53	70	68	58	54	52	47	51	68	74	73	65	76	74	77	75	61.7
	MIN	29	35	24	37	41	38	36	26	35	45	27	36	47	44	28	27	42	50	33	35	34	34	30	28	42	52	49	37	45	44	48	37.4
ROCK HALL 3 SE	MAX	37	42	48	51	44	50	49	55	57	57	48	48	53	53	50	51	68	67	52	55	55	48	51	64	72	70	64	76	65	77	64	56.2
	MIN	31	32	25	32	38	37	36	28	31	40	30	34	40	38	26	30	42	47	35	33	33	35	29	34	46	50	45	44	52	45	42	36.8
ROCKVILLE	MAX	38	43	56	60	49	50	47	53	58	60	53	45	60	53	50	53	77	78	55	54	51	45	54	74	80	78	65	75	76	82	70	59.7
	MIN	31	32	27	33	41	35	30	30	34	38	29	30	40	39	28	30	38	46	37	33	30	31	28	33	48	48	41	42	48	43	52	36.3
ROYAL OAK	MAX	43	43	53	58	58	54	53	56	62	58	55	49	60	56	49	53	71	70	56	54	50	48	51	69	78	71	66	76	74	81	71	59.5
	MIN	32	33	24	34	40	38	35	28	32	38	29	35	44	38	29	29	45	48	36	36	33	34	31	30	48	51	45	44	46	47	55	37.6
SALISBURY	MAX	49	51	54	65	64	63	54	57	63	59	55	52	68	68	53	54	70	70	58	55	51	48	51	67	76	74	65	75	74	79	77	61.9
	MIN	31	36	25	32	39	38	37	28	33	46	30	36	47	43	30	29	44	50	35	35	32	34	30	30	43	52	49	40	45	45	52	37.9
SALISBURY FAA AIRPORT	MAX	50	50	54	65	63	62	52	57	62	57	47	54	69	48	53	54	70	61	44	53	42	46	51	68	76	73	64	75	61	78	67	58.9
	MIN	32	32	27	35	38	41	31	29	37	39	29	47	47	36	29	30	49	44	35	40	37	35	30	30	47	54	49	42	45	45	45	38.3
SAVAGE RIVER DAM	MAX	43	38	36	52	44	41	38	39	47	55	44	36	48	64	41	46	47	70	47	46	42	33	32	47	67	73	68	56	69	72	73	50.1
	MIN	30	27	16	20	27	32	21	25	21	30	25	29	29	31	20	23	27	38	30	32	24	24	25	27	34	38	38	31	31	34	39	28.3
SINES DEEP CREEK	MAX	30	35	36	49	40	46	38	30	45	51	40	59	63	41	48	51	68	45	39	45	30	29	29	45	65	71	65	54	68	77	72	48.5
	MIN	22	32	18	13	23	34	28	29	26	25	25	33	29	28	18	24	38	30	30	30	20	22	22	15	25	33	34	30	30	30	36	26.8
SNOW HILL	MAX	49	50	56	63	62	60	55	58	66	59	53	57	70	63	51	52	69	68	54	56	52	47	51	69	78	72	65	76	71	79	70	61.3
	MIN	28	35	23	29	38	39	36	26	34	48	29	37	47	45	28	28	48	50	36	36	35	35	30	29	29	45	48	39	46	45	50	37.1
SOLOMONS	MAX	45	47	52	66	62	56	54	57	61	59	54	50	55	50	47	45	73	68	56	52	52	48	51	60	78	71	67	77	65	80	70	59.0
	MIN	33	34	28	36	40	37	35	32	39	43	33	37	41	41	33	34	43	50	36	38	33	36	33	34	51	52	47	45	47	45	52	39.3
SUITLAND	MAX	49	43	44	56	64	45	52	50	55	64	55	42	46	65	48	49	53	74	58	39	55	43	46	55	73	78	74	66	76	72	84	57.2
	MIN	15	30	25	28	21	33	33	28	26	35	30	29	39	41	30	29	40	48	36	33	31	32	29	35	51	52	43	47	44	41	53	37.6
TOWSON	MAX	35	44	51	52	45	48	47	52	53	55	53	48	55	56	50	50	73	75	57	53	48	49	54	73	79	78	75	74	82	82	69	58.5
	MIN	15	30	25	28	21	33	33	28	26	35	30	29	39	38	29	27	40	42	32	32	30	32	27	28	44	48	41	47	44	44	43	33.7
UNIONVILLE	MAX	33	41	52	50	40	46	47	51	51	53	40	41	56	53	49	52	76	56	41	52	44	49	54	74	79	74	62	75	70	73	67	54.9
	MIN	28	29	23	26	34	33	27	27	24	29	26	32	33	33	20	23	38	40	32	32	28	30	25	24	32	37	42	33	36	40	37	30.7
U S SOLDIERS HOME D C	MAX	36	46	55	65	48	52	53	53	62	54	41	47	63	51	50	57	75	60	45	57	46	49	56	75	78	73	69	79	68	86	71	58.7
	MIN	28	30	28	35	35	32	32	33	33	35	28	33	39	35	28	29	40	40	32	35	23	29	27	36	47	48	41	43	43	42	51	35.0
UPPER MARLBORO 3 NNW	MAX	52	40	45	57	66	45	53	52	57	65	60	41	47	63	51	51	60	75	60	38	56	44	48	55	77	80	75	67	78	67	85	58.4
	MIN	32	32	20	31	42	36	34	27	24	36	23	30	39	40	32	24	42	44	37	34	32	33	28	26	50	59	51	49	40	42	51	36.1
VIENNA	MAX	47	48	52	59	56	59	54	58	60	59	50	51	65	63	51	55	69	65	57	55	49	48	51	67	71	70	70	65	67	73	71	59.5
	MIN	31	33	26	30	39	46	34	29	35	38	29	36	46	43	29	29	43	47	35	34	34	34	29	30	47	49	49	43	46	45	49	37.6

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		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SELBYVILLE	MAX	46	50	54	63	61	60	53	55	64	57	54	54	68	67	46	50	71	70	57	55	52	47	51	69	72	78	67	76	74	80	71	61.0
	MIN	29	36	24	35	37	36	35	25	35	45	26	35	40	43	25	26	44	51	34	34	32	33	29	27	47	50	45	41	44	43	51	
WILMGTN NCASTLE WB AP	MAX	36	39	50	49	43	47	48	51	52	53	39	45	46	48	47	49	70	55	40	51	44	48	51	68	78	75	63	74	66	76	65	53.7
	MIN	31	29	26	29	35	36	31	28	29	32	30	38	38	32	26	31	42	36	31	35	32	31	26	30	40	44	45	41	44	44	44	
WILMINGTON PORTER RESVR	MAX	34	37	49	47	43	43	47	50	52	61	39	45	46	47	45	50	68	54	38	48	42	46	49	67	76	73	60	72	64	72	64	52.5
	MIN	29	28	27	32	35	35	34	30	32	35	28	36	37	32	27	29	40	34	29	34	31	32	27	34	44	47	45	45	44	44	42	

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Percent of possible sunshine	Average sky cover sunrise to sunset	
	Prevailing	Percent of time from prevailing	Average	Fastest mile	Direction of fastest mile	Date of fastest mile	1:00 A.M. EST	7:00 A.M. EST	1:00 P.M. EST	7:00 P.M. EST	Trace	.01-.09	.10-.49	.50-.99	1.00-1.99	2.00 and over			Total
BALTIMORE WB AIRPORT	WNW	17	10.1	45	NW	6	68	72	48	55	1	5	4	5	0	0	15	61	5.8
FREDERICK WB AIRPORT	-	-	-	-	-	-	-	-	63	-	1	1	9	2	1	0	14	-	-
WASHINGTON WB CITY	S†	22†	8.7†	33†	N†	30†	65†	71†	45†	51†	0	5	4	1	3	0	13	62†	5.8†
WILMINGTON N CASTLE WB APT	WNW	19	10.9	37++	WNW	6	80	80	54	67	5	2	9	1	0	18	-	6.5	

† AIRPORT DATA

STATION INDEX

MARYLAND AND DELAWARE
1963

STATION	INDEX NO.	COUNTY	DRAINAGE †	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	STATION	INDEX NO.	COUNTY	DRAINAGE †	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PRECIP.	EVAP.	SPECIAL (see notes)									TEMP.	PRECIP.	EVAP.	SPECIAL (see notes)		
MARYLAND																								
ANAPOLIS 2 WNW	0193	ANNE ARUNDEL		1 38 59	76 31	70	5P	5P			H	RADIO STATION WNAV	7010	ALLEGANY		5 39 33	78 30	1030	6P	6P		H	POTOMAC HLND. ORCHARD	
BALTIMORE WB AIRPORT	0465	ANNE ARUNDEL		39 11	76 40	144	MID	MID			C	U.S. WEATHER BUREAU	7140	WORCESTER		1 38 03	75 34	20	5P	5P		H	RADIO STATION WDMV	
BALTIMORE WB CITY	0470	BALTO CITY		39 17	76 37	14	MID	MID			C	U.S. WEATHER BUREAU	7272	MONTGOMERY		5 39 02	77 15	270	7A	7A		H	CITY OF POTOMAC	
BELTSVILLE	0700	PRINCE GEORGE		39 02	76 53	120	8A	8A			C	PRINCE FREDERICK	7325	CALVERT		1 38 32	76 35	140	5P	5P		H	FRANKLIN D. NUSBAUM	
BELTSVILLE PLANT STA 5	0705	PRINCE GEORGE		39 01	76 57	100	9A	9A			C	PRINCESS ANNE	7350	SOMERSET		1 38 12	75 41	15	5P	5P		H	BODD KING	
BENNING POLICE BARRACKS	0732	HARFORD		39 30	76 23	365	5P	5P			C	MDA STATE POLICE	7700	KENT		1 39 07	76 12	10	6P	6P		H	TOWN OF PRINCESS ANNE	
BITTINGER 2 NW	0881	GARRETT		39 37	79 13	2700	7P	7P			C	ROCK HALL 3 SE	7806	TALBOT		5 39 05	77 09	436	4P	4P		H	JOHN C. BRANCA	
BLACKWATER REFUGE	0915	DORCHESTER		38 26	76 08	3	4P	4P			H	NAT. WILDLIFE REFUGE	8000	WICOMICO		1 38 43	76 11	10	5P	5P		H	CITY POLICE	
BOONSBORO	0986	WASHINGTON		39 31	77 39	795	6P	6P			C	J. HOWARD BECKENBAUGH	8191	GARRETT		5 39 31	79 08	1495	8A	8A		H	J. L. SWAINE, JR.	
BOYDS 2 NW	1032	MONTGOMERY		39 12	77 20	580	6P	6P			C	RALPH F. STALEY	8269	SUSSEX		1 38 22	75 35	10	5P	5P		H	CITY OF SALISBURY	
BRIGHTON DAM	1125	MONTGOMERY		39 12	77 01	350						WASH. SUB. SANIT. COMM.	8005	WICOMICO		1 38 20	75 30	52	MID	MID		H	FED. AVIATION AGENCY	
BROOKDALE	1170	MONTGOMERY		38 57	77 06	200						SAVAGE RIVER DAM	8066	GARRETT		5 39 31	79 08	1495	8A	8A		C	UPPER POTOMAC RVR. COMM.	
CAMBRIDGE 4 W	1385	DORCHESTER		38 34	76 09	5	6P	6P			H	B. FRANCIS GASHIELL	8191	GARRETT		5 39 23	79 12	1700				C	CLARENCE B. KIMBLE	
CENTREVILLE	1627	QUEEN ANNES		39 03	76 03	46	6P	6P			H	SINES DEEP CREEK	8315	GARRETT		7 39 31	79 25	2038	MID	7A		C	PAL. ELECTRIC CO.	
CHARLOTTE HALL 1 ESE	1686	ST. MARYS		38 28	76 45	167	5P	5P			H	SNOW HILL	8380	WORCESTER		1 38 11	75 24	14	6P	6P		H	FRED. W. SEILING	
CHESTERTOWN	1750	KENT		39 13	76 04	35	11P	11P			H	D. ARCY MC B. HARDING	8405	CALVERT		1 38 19	76 27	15	6P	6P		C	CHESAPEAKE BIOL. LAB.	
CHEWVILLE BRIDGEPORT	1790	WASHINGTON		39 28	77 41	560	SS	SS			H	MARION G. LEIBY	8877	BALTIMORE		3 39 24	76 37	410	4P	4P		C	BALTIMORE COUNTY JAIL	
COLEMAN 3 WNW	1980	KENT		39 21	76 08	78	6P	6P			H	GREEN MANOR FARM	9030	FREDERICK		5 39 27	77 11	438	6P	6P		H	DR. P. VON EIFF, JR.	
COLLEGE PARK	1995	PRINCE GEORGE		38 59	76 56	70	5P	5P			C	T. W. ELIASON, JR.	9070	PRINCE GEORGE		4 38 52	76 47	98	9A	9A		H	TOBACCO EXP. FARM	
CONOWINGO DAM	2060	HARFORD		39 39	76 10	40	MID	MID			C	D. PAUL OSWALD	9140	DORCHESTER		1 38 29	75 50	12	6P	6P		H	ERN. SMORE PUB. SVC. CO.	
CRISFIELD HAMMOCK PT	2205	SOMERSET		37 58	75 52	7	5P	5P			H	WALDORF POLICE BRKS	9195	CHARLES		5 38 39	76 53	210	5P	5P		H	MD. STATE POLICE	
CUMBERLAND	2280	ALLEGANY		39 39	78 45	945	6P	6P			H	WESTERNPORT	9405	ALLEGANY		5 39 29	79 03	1000	6P	6P		H	NORRIS BRUCE	
CUMBERLAND POLICE BRKS	2285	ALLEGANY		39 38	78 50	970	5P	5P			H	WESTMINSTER	9435	CARROLL		1 39 35	77 00	770	6P	7A		H	FR. J. MATHIAS	
DENTON	2523	CAROLINE		38 53	75 50	20	6P	6P			H	WHEATON REGIONAL PARK	9502	MONTGOMERY		5 39 04	77 02	330	5P	5P		H	PARK & PLANNING COMM.	
EASTON POLICE BARRACKS	2750	TALBOT		38 45	76 04	40	5P	5P			H	WILLIAMSPT	9570	WASHINGTON		5 39 37	77 51	360	7A	7A		H	HAGERSTOWN WTR. PLANT	
EDGEHONT	2770	WASHINGTON		39 40	77 33	905	8A	8A			H	WOODSTOCK	9750	BALTIMORE		3 39 20	76 52	415	6P	6P		H	WOODSTOCK COLLEGE	
EDGEWOOD ARSENAL	2795	HARFORD		39 21	76 19	10	MID	MID			H	LEE G. HARNE												
ELKTON	2860	CECIL		39 36	75 50	28	6P	6P			H	U.S. ARMY SIGNAL CORPS												
EMMITTSBURG 2 SE	2906	FREDERICK		39 41	77 18	420	5P	5P			H	W. B. BOUCHELLE												
FORT GEORGE G MEADE	3230	ANNE ARUNDEL		39 06	76 45	140	5P	5P			H	MRS. LUCILLE K. BEALE												
FREDERICK WB AIRPORT	3350	FREDERICK		39 25	77 23	294	MID	MID			C	U.S. WEATHER BUREAU												
FREDERICK 3 E	3355	FREDERICK		39 24	77 22	385	8A	8A			H	NISS I. MARY STALEY												
FROSTBURG	3410	ALLEGANY		39 39	78 56	2055	7A	7A			H	C. A. SUTER, JR.												
GLENN DALE BELL STA	3675	PRINCE GEORGE		38 58	76 48	151	4P	4P			H	M. PLANT INTRO. GARDEN												
GRANTVILLE	3795	GARRETT		39 42	79 09	2380					C	MRS. FANNIE B. MILLER												
HAGERSTOWN	3975	WASHINGTON		39 29	77 44	660	6P	6P			H	HAGERSTOWN RESERVOIR												
HANCOCK FRUIT LAB	4030	WASHINGTON		39 42	78 11	428	8A	8A			C	U. OF MD. FRUIT LAB.												
LA PLATA 1 W	5080	CHARLES		38 32	77 00	140	5P	5P			H	C. RUSSELL LEVERING												
LAUREL 3 W	5111	PRINCE GEORGE		39 06	76 34	400	5P	5P			H	WASH. SUB. SANIT. COMM.												
LEONARDTOWN 3 NW	5201	ST. MARYS		38 19	76 40	40	5P	5P			C	RADIO STATION WKX.												
LOCH RAVEN DAM	5340	BALTIMORE		39 26	76 33	190	5P	5P			H	CITY OF BALTIMORE												
LUXE	5530	ALLEGANY		39 28	79 04	1050	8A	8A			C	HOWARD T. HARGOLD												
MERRILL	5894	GARRETT		39 26	79 05	1790	8A	8A			C	DELOVEDO E. MERRILL												
MILLINGTON	5983	KENT		39 16	75 51	50	6P	6P			H	LOUIS H. HOLLETT												
NEW GERMANY	6408	GARRETT		39 38	79 07	2590					C	ARONIE BITTINGER												
OAKLAND 1 SE	6620	GARRETT		39 24	79 24	2420	5P	5P			H	R. E. WEBER												
OCEAN CITY WATER PLANT	6670	WORCESTER		38 20	75 05	17	4P	4P			H	LUTHER D. BELL												
OWINGS FERRY LANDING	6770	CALVERT		38 42	76 41	120	7P	7P			H	H. THOMAS J. BOURNE												
PARKTON 2 SW	6844	BALTIMORE		39 38	76 42	600	11P	11P			C	JOHN R. FOX												
PERRY POINT	6980	CECIL		39 33	76 04	40					C	VETERANS ADMINISTRATION												
NEW STATIONS																								
SUITLAND	8656	PRINCE GEORGE		5 38 51	76 56	280	9A	9A			H													

† 1-CHESAPEAKE, 2-COASTAL, 3-PATAPSCO, 4-PATUXENT, 5-POTOMAC, 6-SUSQUEHANNA, 7-YOUSHIOGHENY

REFERENCE NOTES

Additional information regarding the climate of Maryland and Delaware may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Friendship International Airport, Baltimore, Maryland, or to any Weather Bureau Office near you.

Figures and letters following the station name, such as 12 SSW, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Monthly and seasonal snowfall and heating degree days for the 12 months ending with the preceding June data will be carried in the July issue of this bulletin.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late to be included in this issue.

Divisions, as used in "Climatological Data" Table and on the maps, became effective with data for October 1956.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches and wind movement in miles. Monthly degree day totals are the sums of the negative departures of average daily temperatures from 65° F.

Evaporation is measured in the standard Weather Bureau type pan of 4-foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

Normals for all stations are climatological standard normals based on the period 1931-1960.

Water equivalent values published in the "Snowfall and Snow on Ground" Table are the water equivalent of snow, sleet, or ice on the ground. Samples for obtaining measurements are taken from different points for successive observations; consequently occasional drifting and other causes of local variability in the snowpack may result in apparent inconsistencies in the record.

Entries of snowfall in the "Climatological Data" Table and the "Snowfall and Snow on Ground" Table, and in the "Seasonal Snowfall" Table include snow and sleet. Entries of snow on ground include snow, sleet, and ice.

Data in the "Extremes" Table; "Daily Precipitation" Table; "Daily Temperature" Table; and "Evaporation and Wind" Table; and snowfall in the "Snowfall and Snow on Ground" Table, when published, are for the 24 hours ending at time of observation. The Station Index shows observation times in local standard time. During the summer months some observers take the observations on daylight saving time.

Snow on ground in the "Snowfall and Snow on Ground" Table is at observation time for all except Weather Bureau and FAA stations. For these stations snow on ground values are at 7:00 a.m., E.S.T.

In the Station Index the letters C, G, H, and J in the "Special" column under the heading "Observation Time and Tables", indicate the following:

- C Recording Rain Gage Station. Hourly precipitation values are processed for special purposes, and are published later in "Hourly Precipitation Data" Bulletin.
- G "Soil Temperature" Table.
- H "Snowfall and Snow on Ground" Table. Omission of data in any month indicates no snowfall and/or snow on ground in that month.
- J "Supplemental Data" Table.

OTHER REFERENCE NOTES

No record in the "Climatological Data" Table and the "Daily Temperature" Table is indicated by no entry.

Interpolated values for monthly precipitation totals may be found in the annual issue of this publication.

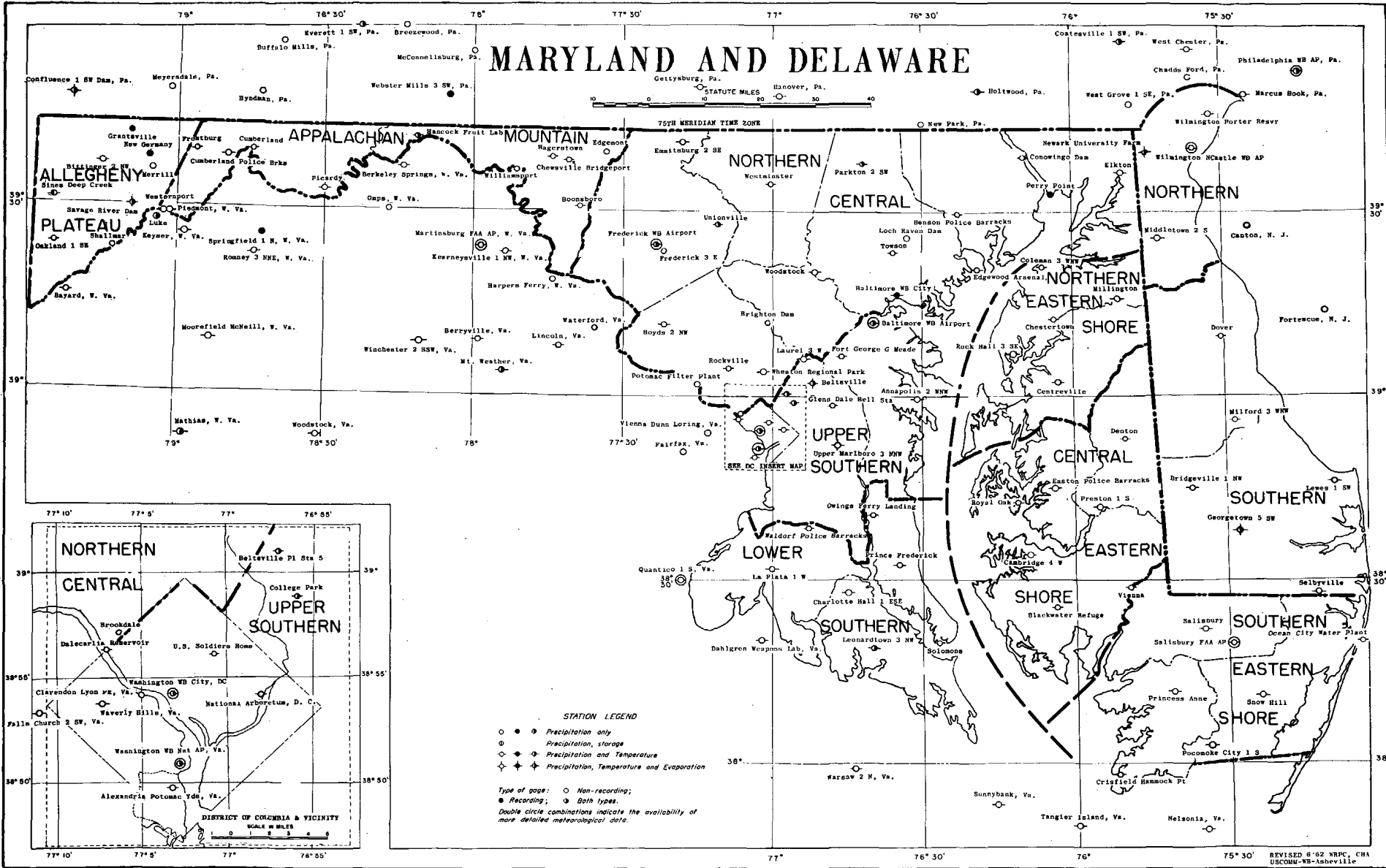
- No record in the "Supplemental Data" Table; "Daily Precipitation" Table; "Evaporation and Wind" Table; "Snowfall and Snow on Ground" Table; and the Station Index.
- + And also on an earlier date or dates.
- ++ Fastest observed one minute wind speed. This station is not equipped with automatic wind instruments.
- * Amount included in following measurement, time distribution unknown.
- # Thermometers are generally exposed in a shelter located a few feet above sod-covered ground; however, the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- // Gage is equipped with a windshield.
- AR This entry in time of observation column in Station Index means after rain.
- B Adjusted to a full month.
- D Water equivalent of snowfall wholly or partly estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
- M One or more days of record missing; if average value is entered, less than 10 days record is missing. See "Daily Temperature" Table for detailed daily record. Degree day data, if carried for this station, have been adjusted to represent the value for a full month.
- R Amounts from recording gage. (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data.)
- SS This entry in time of observation column in Station Index means observation made near sunset.
- T Trace, an amount too small to measure.
- V Includes total for previous month.
- X Observation time is 1:00 a.m., E.S.T. of the following day.
- VAR This entry in time of observation column in Station Index means variable.

General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW, MONTHLY CLIMATOLOGICAL DATA-NATIONAL SUMMARY, and STORM DATA, all of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Information concerning the history of changes in locations, elevations, exposure, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. for 25 cents. Similar information for regular Weather Bureau stations may be found in the 1961 annual issue of Local Climatological Data for the respective stations, obtained as indicated above, price 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary). Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

MARYLAND AND DELAWARE



STATION LEGEND

- ● ● ● Precipitation only
- ● ● ● Precipitation, storage
- ● ● ● Precipitation and Temperature
- ● ● ● Precipitation, Temperature and Evaporation

Type of gage: ○ Non-recording;
● Recording; ○ ● Both types.

Double circle combinations indicate the availability of more detailed meteorological data.