

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

DECEMBER 1963
Volume 67 No. 12



CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
DECEMBER 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			
										Max.		Min.						Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More	
										90° or Above	80° or Above	70° or Above	60° or Above											
MARYLAND																								
SOUTHERN EASTERN SHORE 01																								
CRISFIELD SOMERS COVE	41.5	28.4	35.0	- 6.2	58	8	17	20	923	0	4	21	0											
OCEAN CITY WATER PLANT	41.1	28.0	34.6		56	9	14	23	933	0	5	21	0	3.03		.96	9				6	2	0	
POCCMOKE CITY 1 S	41.7	23.2 ^M	32.5 ^M		60	9	11	23	996	0	6	30	0	4.12		1.38	9	.8	1	18			1	
PRINCESS ANNE	42.0	23.5	32.8		61	9	12	31	992	0	5	28	0	2.26		.84	9	1.0	1	18	6	1	0	
SALISBURY	41.6	25.3	33.5		60	9	13	20	971	0	5	26	0	2.40	- .73	.89	9	1.0	1	19	6	1	0	
SALISBURY FAA AIRPORT	39.4	24.7	32.1		59	8	13	20	1015	0	7	26	0	2.49		1.03	8	1.8	1	18	6	2	1	
SNOW HILL	41.5	24.3	32.9	- 6.4	58	9	12	20	988	0	7	28	0	2.83	- .58	1.06	9	1.0	1	18	6	2	1	
DIVISION 01																								
CENTRAL EASTERN SHORE 02																								
BLACKWATER REFUGE	40.9	28.3	34.6		57	8	16	31	934	0	6	21	0	2.30				4.0	1	23			0	
CAMBRIDGE 4 W	39.7	24.4	32.1		58	8	9	31	1016	0	8	27	0	2.20		.59	9	4.0	2	23	6	2	0	
DENTON 1 S	39.1	24.2	31.7		59	8	9	31	1026	0	9	29	0	2.25		1.04	9	4.0	3	23	5	2	1	
EASTON POLICE BARRACKS	40.7	25.2	33.0	- 4.9	59	9	14	31	988	0	8	26	0	2.99	- .14	1.17	24	5.0	1	24	6	2	2	
PRESTON 1 S	39.4	24.4	31.9		60	8	12	23	1020	0	10	30	0	1.90		.96	9	3.7	2	23	4	1	0	
ROYAL OAK	40.2	25.4	32.8		59	8	10	31	991	0	8	25	0	2.15		.82	9	2.7	2	23	6	2	0	
VIENNA	41.0	25.3	33.2		60	8	12	20	983	0	6	26	0	2.03		.85	9	.8	1	19	5	1	0	
DIVISION 02																								
LOWER SOUTHERN 03																								
CHARLOTTE HALL 1 ESE	40.6	21.9	31.3		57	27	8	31	1033	0	7	29	0	2.54			1.00	18			6	2	1	
LA PLATA 1 W	41.2 ^M	19.6 ^M	30.4 ^M		57	26	4	31	1063	0	6	31	0	2.10					3.8	3	24			0
LEONARDTOWN 3 NW	41.4	21.8	31.6		59	8	7	21	1028	0	8	28	0	2.21		.84	9	2.3	2	23	5	2	0	
OWINGS FERRY LANDING	40.0	23.1	31.6	- 6.7	57	26	7	31	1029	0	7	30	0	1.94	- 1.11	.40	23	3.5	5	18	6	0	0	
PRINCE FREDERICK	39.4 ^M	21.2 ^M	30.3 ^M		57	26	9	31	1078	0	7	30	0	2.39				4.5	3	23			0	
SOLOMONS	41.0	28.9	35.0	- 5.3	57	26	15	20	925	0	7	17	0	2.06	- .91	.76	9	1.7	1	18	5	2	0	
WALDORF POLICE BRKS	38.3	21.0	29.7		62	8	7	31	1090	0	9	28	0	2.38		.65	9	6.0	6	23	6	2	0	
DIVISION 03																								
UPPER SOUTHERN 04																								
ANNAPOLIS 2 NNW	37.8 ^M	23.0 ^M	30.4 ^M		55	8	11	31	1066	0	8	24	0	1.91	- .00	.68	23	4.5			5	1	0	
BALTIMORE WB AIRPORT	36.6	20.9	28.8	- 7.0	53	8	2	31	1115	0	12	30	0	2.08	- .91	.90	23	9.7	8	23	4	2	0	
BELTSVILLE	37.4	19.4	28.4		55	27	0	31	1131	0	9	31	1			.73	24	0						
BELTSVILLE PLANT STA 5	37.4	19.8	28.6		54	27	- 1	31	1119	0	9	31	1	2.02		.71	24	10.2	6	24	4	2	0	
COLLEGE PARK	38.5	22.4	30.5	- 6.5	54	26	2	31	1063	0	10	30	0	2.04	- 1.00	.60	23	7.0	6	23	6	2	0	
DALECARLIA RESVR D C	38.6	20.8	29.7		56	26	4	31	1086	0	10	30	0	1.56		.55	23				4	1	0	
FORT GEORGE G MEADE	39.1	20.5	29.8		56	26	0	31	1084	0	9	31	1	2.21		.70	9	6.0	6	23	6	2	0	
GLENN DALE BELL STA	39.4	19.5	29.5	- 6.5	56	26	1	31	1096	0	9	31	0	1.95	- 1.02	.66	9	8.0	7	23	5	2	0	
LAUREL 3 W	37.3	23.6	30.5		52	26	9	31	1064	0	12	28	0	1.90		.78	9				6	2	0	
NATIONAL ARBORETUM D C	39.7	23.6	31.7		54	26	7	31	1028	0	8	30	0	2.26		.77	23	6.6			6	1	0	
SUITLAND	37.5	23.8	30.7		56	27	11	22	1059	0	10	30	0	1.78		.62	9	6.2	4	24	4	2	0	
U. S. SOLDIERS HOME DC	38.5	22.7	30.6		52	26	9	20	1058	0	8	28	0	2.41		.95	23	7.5	15	18	5	2	0	
UPPER MARLBORO 3 NNW	39.5	21.6	30.6		56	27	4	31	1061	0	8	31	0	1.97		.66	9	6.3						
WASHINGTON WB CITY D C	39.3	26.8	33.1		58	26	13	31	985	0	8	20	0	1.89		.81	23				4	2	0	
DIVISION 04																								
NORTHERN EASTERN SHORE 05																								
CENTREVILLE	38.5	23.6	31.1		57	8	9	31	1047	0	7	29	0	2.72		1.10	8	8.0	5	23	5	2	1	
CHESTERTOWN	38.0	24.8	31.4	- 5.9	56	8	10	31	1034	0	10	27	0	2.49	- .69	.92	9	11.0	9	23	6	2	0	
COLEMAN 3 NNW	37.9	22.0	30.0	- 6.8	57	8	4	31	1078	0	10	30	0	2.24	- .88	1.10	9	6.0	5	23	5	2	1	
MILLINGTON																								
ROCK HALL 3 SE																								
DIVISION 05																								
NORTHERN CENTRAL 06																								
BALTIMORE WB CITY	37.9	26.5	32.2	- 6.8	54	8	12	20	1010	0	10	22	0	2.12	- 1.04	.90	23				4	2	0	
BENSON POLICE BARRACKS	36.7	18.4	27.6		52	8	- 2	31	1154	0	9	31	1	2.14		.82	9	14.3	10	24	4	2	0	
BOYDS 2 NW	35.9	20.6	28.3		52	26	3	31	1130	0	11	30	0	1.26		.62	9	8.5			4	1	0	
CONOWINGO DAM	35.7	18.6	27.2		52	8	- 2	31	1166	0	12	31	1	1.68		.85	8	8.0	5	24	5	1	0	
EDGEWOOD ARSENAL																								
ELKTON	37.1	21.3	29.2	- 6.1	53	8	2	31	1104	0	10	31	0	1.97	- 1.22	.82	9	10.5	6	23	4	2	0	
EMMITTSBURG 2 SE	35.2	18.5 ^M	26.9 ^M		48	7	- 10	31	1178	0	10	30	1	2.14		.75	23	15.0	9	24	5	2	0	
FREDERICK WFMD																								
PARKTON 2 SW	34.7	17.9	26.3		49	26	2	31	1192	0	13	31	0	2.18		.95	8	13.2	9	23	4	2	0	
ROCKVILLE	37.5	22.1	29.8		56	26	9	31	1083	0	9	30	0	2.16		.78	9	10.8	9	24	6	2	0	
TOWSON	38.0	21.1	29.6		50	26	0	31	1094	0	10	30	1	1.96	- 1.47	.79	9				5	1	0	
UNIONVILLE	34.2	16.9	25.9		50	7	- 10	31	1205	0	12	31	2	1.94		.66	23	13.3	10	24	5	2	0	
WESTMINSTER	33.7	20.1	26.9	- 7.5	48	26	0	31	1172	0	12	31	1	2.60	- .71	1.05	9	13.0	10	24	5	2	1	
WHEATON REGIONAL PARK	36.5	19.5	28.0		53	26	- 4	31	1141	0	12	31	1	2.24		.64	23	6.0	6	25	7	2	0	
WOODSTOCK	36.3	19.4 ^M	27.7 ^M	- 7.0	51	8	- 5	31	1156	0	10	30	1	2.11	- .91	.70	23	9.9	8	23	6	2	0	
DIVISION 06																								

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
DECEMBER 1963

CONTINUED

Station	Temperature										Precipitation									
	Average Maximum	Average Minimum	Average	Departure From Normal	Highest	Date	Lowest	Date	Degree Days	No. of Days Max. Min.	Total	Departure From Normal	Greatest Day	Date	Snow, Sleet			No. of Days		
															Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
APPALACHIAN MOUNTAIN 07																				
BOONSBORO	34.1	21.4	27.8		50	26	3	20	1149	0 13 30 0	1.86		.51	23	14.5	10	26+	5	1	0
CHEWSVILLE BRIDGEPORT	35.1	19.6	27.4	- 5.3	49	7	- 3	31	1160	0 11 31 1	1.55	- 1.06	.53	23	14.6	10	23	5	1	0
CUMBERLAND	34.6	21.2	27.9		61	26	2	31	1142	0 11 30 0	2.14		.75	24	10.2	9	24	4	2	0
CUMBERLAND POLICE BRKS	34.7	19.5	27.1		56	27	- 3	31	1167	0 12 29 1	1.32		.80	23	8.5	8	26+	3	1	0
FROSTBURG	29.5	17.1	23.3	- 8.6	54	8	0	31+	1287	0 20 31 2	2.03	- .83	.75	24	16.8	11	24	4	1	0
HAGERSTOWN	34.7	21.2	28.0		50	26	1	31	1143	0 11 30 0	1.99		.78	23	13.0	9	23	5	1	0
HANCOCK FRUIT LAB	34.8	19.6	27.2		48	27	- 7	31	1163	0 10 31 1	1.79	- .71			12.7	9	24			
PICARDY	34.4	19.6	27.0		57	26	0	31	1171	0 12 30 1	1.58		.79	23	12.0	11	23	3	1	0
WESTERNPORT	34.4	20.4	27.4	- 7.5	58	26	1	31	1157	0 10 30 0	2.04	- .59	1.10	23	11.5			4	1	1
DIVISION 07			27.0	- 6.8							1.82	- .86			12.6					
ALLEGHENY PLATEAU 08																				
BITTINGER 2 NW	25.4	12.7	19.1		49	7	- 6	20	1418	0 25 31 4	2.79		.63	8	28.1	20	25+	9	2	0
OAKLAND 1 SE	27.9	13.2	20.6	- 9.6	52	7	- 10	31	1371	0 23 31 3	2.14	- 1.57	.72	23	19.2	9	23	5	1	0
SAVAGE RIVER DAM	29.8	15.8	22.8		53	27	- 2	31	1299	0 22 31 1	1.57		.45	23+	13	25+	4	0	0	
SINES DEEP CREEK 2	27.9	14.4	21.2		50	7	- 10	31	1352	0 21 31 3	2.87		.59	24	40.0	17	24	7	2	0
DIVISION 08			20.9	- 8.5							2.34	- 1.15			29.1					
DELAWARE																				
NORTHERN 01																				
MIDDLETOWN 2 S																				
NEWARK UNIVERSITY FARM	36.0	20.1	28.1		53	9+	0	31	1140	0 12 31 1	1.72		.80	8	4.7	4	24+	4	1	0
WILMGTN NCASTLE WB AP	35.9	20.8	28.4	- 6.7	55	8	5	31	1128	0 12 30 0	1.85	- 1.18	.72	23	8.0	6	23	4	2	0
WILMGTN PORTER RESVR	34.5	21.8	28.2		53	6	7	20	1133	0 12 30 0	2.00	- 1.13	.92	8	7.5	6	23	4	2	0
DIVISION 01			28.2	- 7.4							1.86	- 1.24			6.7					
SOUTHERN 02																				
BRIDGEVILLE 1 NW	39.0	23.4	31.2	- 6.6	58	9+	11	31+	1036	0 9 30 0	2.03	- 1.00	.85	9	4.0	3	23	6	1	0
DOVER	38.6	23.9	31.3	- 6.6	57	8	11	20	1036	0 9 29 0	1.86	- 1.25	.86	9	4.5	5	18	5	1	0
GEORGETOWN 5 SW	39.7	23.2	31.5		60	8	10	31	1031	0 9 30 0	2.82		1.38	9	2.0	1	23+	6	1	1
LEWES 1 SW	40.4	23.9	32.2		57	9+	11	20	1010	0 8 29 0	2.74		.85	8	2.5	1	18	5	2	0
MILFORD 3 WNW	39.6	24.4	32.0		60	8	11	31	1017	0 8 27 0			1.12	9						
SELBYVILLE	40.5	22.8	31.7		59	6	11	20	1026	0 6 30 0	3.06		.92	9	.5	1	18	6	2	0
DIVISION 02			31.7	- 6.4							2.50	- .70			2.7					

TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 62° on the 8th at Waldorf Police Brks., Md.

Lowest Temperature: -10° on the 31st at 4 stations, Md.

Greatest Total Precipitation: 4.12 inches at Pocomoke City 1 S, Md.

Least Total Precipitation: 1.26 inches at Boyds 2 NW, Md.

Greatest One-Day Precipitation: 1.38 inches on the 9th at Pocomoke City 1 S, Md. and Georgetown 5 SW, Del.

Greatest Reported Total Snowfall: 40.0 inches at Sines Deep Creek 2, Md.

Greatest Reported Depth of Snow on Ground: 20 inches on the 25+ at Bittinger 2 NW, Md.

See Reference Notes Following Station Index

MARYLAND AND DELAWARE
DECEMBER 1963

See reference notes following Station Index.

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1963

Station		Day Of Month																															Average
		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	
SOUTHERN EASTERN SHORE 01																																	
CRISFIELD SOMERS COVE	MAX	47	47	47	42	47	45	48	58	57	45	44	45	45	44	36	31	33	33	33	32	27	32	42	44	42	47	46	40	37	34	35	41.5
	MIN	36	30	39	35	30	34	29	39	39	35	33	33	35	32	21	22	22	23	18	17	22	22	19	30	30	27	32	29	28	22	18	28.4
OCEAN CITY WATER PLANT	MAX	45	46	47	43	48	47	49	55	56	43	41	46	45	45	34	30	32	35	30	27	27	35	41	46	43	44	47	43	36	33	35	41.1
	MIN	31	33	38	31	33	38	32	42	35	34	30	36	35	32	19	19	19	25	21	14	16	17	14	29	31	30	34	30	29	22	19	28.0
POCOMOKE CITY 1 S	MAX	44	48	45	44	49	49	51	60	60	45	40	46	45	40	33	30	31	35	31	26	27	34	43	45	41	53	54	42	36	31	35	41.7
	MIN	28	21	32	28	29	30	24	29	28	33	25	25	32	31	19	18	14	19	13	17	12	11	27	23	20	30	22	29	14	12	23.2	
PRINCESS ANNE	MAX	45	47	46	43	47	47	51	61	61	45	42	45	45	43	33	32	31	35	31	28	27	34	40	44	44	54	53	43	37	35	34	42.0
	MIN	30	23	37	29	22	25	22	31	29	33	27	31	33	31	18	18	15	16	19	13	19	16	12	27	27	21	26	23	26	18	12	23.5
SALISBURY	MAX	41	47	46	44	47	45	57	60	60	46	40	45	45	43	34	32	32	33	30	26	27	35	40	43	39	54	52	42	37	33	34	41.6
	MIN	31	26	37	29	25	35	26	33	31	34	30	31	34	32	19	20	17	19	20	13	15	17	15	28	29	24	28	25	26	20	14	25.3
SALISBURY FAA AIRPORT	MAX	43	47	41	42	46	44	52	59	45	43	39	45	43	40	30	30	31	33	27	25	25	33	43	37	41	53	49	39	35	27	35	39.4
	MIN	27	26	36	26	26	30	26	37	32	33	30	33	34	21	20	21	18	21	16	13	15	16	15	29	29	25	30	26	21	18	15	24.7
SNOW HILL	MAX	45	48	45	42	48	46	52	58	58	44	40	45	45	42	31	31	32	36	30	27	27	35	40	45	44	56	53	41	35	30	35	41.5
	MIN	29	24	37	29	25	37	25	30	32	31	27	32	33	31	17	17	14	17	20	12	14	13	15	28	26	23	28	25	27	18	16	24.3
CENTRAL EASTERN SHORE 02																																	
BLACKWATER REFUGE	MAX	45	46	47	44	46	44	49	57	56	44	45	42	44	44	38	31	32	33	31	29	27	32	34	38	43	51	50	41	38	35	33	40.9
	MIN	31	29	35	33	29	36	28	40	37	35	36	34	36	38	19	21	22	22	23	17	20	22	20	31	31	24	31	30	28	22	16	28.3
CAMBRIDGE 4 W	MAX	44	46	44	44	46	44	50	58	48	44	46	43	44	39	34	31	32	32	28	27	27	33	35	38	41	53	47	39	34	28	31	39.7
	MIN	30	24	31	32	24	33	24	35	34	33	32	30	32	32	18	20	20	16	19	13	17	17	14	25	26	21	27	26	24	18	9	24.4
DENTON 1 S	MAX	43	46	45	44	44	45	52	59	51	41	40	42	41	38	31	30	31	31	28	25	27	34	34	37	40	52	46	39	35	30	30	39.1
	MIN	31	24	32	28	25	33	26	38	32	32	31	31	30	28	18	20	18	23	20	12	17	13	14	24	30	20	21	26	26	17	9	24.2
EASTON POLICE BARRACKS	MAX	43	45	45	44	45	44	51	59	59	43	40	43	42	40	32	31	32	32	29	26	28	33	35	37	41	56	47	48	47	34	31	40.7
	MIN	33	25	33	31	28	30	25	38	33	33	32	32	31	32	16	18	19	19	20	14	17	15	16	25	29	24	29	28	21	20	14	25.2
PRESTON 1 S	MAX	43	45	45	45	45	43	50	60	58	43	40	43	42	40	31	30	32	31	30	25	26	32	35	37	41	50	45	39	35	28	32	39.4
	MIN	30	25	33	28	26	32	26	32	32	31	31	32	32	27	19	20	18	19	20	13	15	16	12	25	27	25	29	27	22	19	14	24.4
ROYAL OAK	MAX	43	45	46	44	45	44	51	59	58	45	41	42	43	41	32	32	32	32	28	26	28	34	34	37	41	52	50	40	35	31	34	40.2
	MIN	32	25	33	32	28	33	26	38	34	34	33	30	31	32	19	21	19	19	20	13	18	18	16	25	30	23	28	27	20	19	10	25.4
VIENNA	MAX	45	46	46	44	46	45	50	60	59	45	40	45	43	42	34	32	33	32	30	26	28	35	38	40	43	50	48	42	36	32	35	41.0
	MIN	30	27	34	30	25	34	30	36	33	32	30	30	33	32	19	20	17	21	20	12	16	16	15	27	27	26	28	26	24	20	13	25.3
LOWER SOUTHERN 03																																	
CHARLOTTE HALL 1 ESE	MAX	48	45	45	43	47	44	52	57	56	45	41	41	43	41	33	31	32	29	30	26	27	33	33	38	44	56	57	42	40	33	29	40.6
	MIN	22	23	30	25	25	28	23	34	30	28	27	32	33	31	14	16	15	20	16	10	11	14	14	22	22	20	29	27	19	12	8	21.9
LA PLATA 1 W	MAX	45	45	45	45	45	45	52	55	48	45	48	48	43		34	32	34	32	29	29	30	35	35	40		57	53	39	39	37	32	41.2
	MIN	22	22	28	22	24	23	22	30	27	24	29	29	32		13	12	10	18	17	8	5	11	13	18		18	28	24	18	17	4	19.6
LEONARDTOWN 3 NW	MAX	46	48	45	45	47	45	54	59	53	46	42	43	45	42	32	32	33	31	31	29	29	35	33	39	45	58	54	42	38	32	30	41.4
	MIN	23	22	33	29	22	30	22	34	28	27	29	32	33	32	16	18	15	14	17	11	7	14	13	22	19	20	27	23	19	18	8	21.8
OWINGS FERRY LANDING	MAX	48	45	46	45	45	46	52	55	46	44	41	40	41	40	32	32	33	30	30	27	29	35	33	37	45	57	50	41	37	35	28	40.0
	MIN	28	25	29	29	26	28	24	36	30	26	26	31	30	29	14	19	17	21	17	11	15	15	16	24	25	22	30	28	20	17	7	23.1
PRINCE FREDERICK	MAX	47	47	46	43	41	42	49	55	45	45	42	43	40	37	36	25	31	31	27	28	34	34	34	39		57	52		37	28	29	39.4
	MIN	25	20	29	31	26	22	26	28	27	25	31	31	27	24	16	14	15	15	19	13	12	14	12	21		22		27	18	16	9	21.2
SOLOMONS	MAX	44	48	47	42	46	45	51	56	55	46	42	43	43	43	34	31	33	32	31	27	30	34	35	39	45	57	52	41				

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1963

Continued

Station		Day Of Month																															Average
		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	
NORTHERN EASTERN SHORE 05																																	
CENTREVILLE	MAX MIN																																
CHESTERTOWN	MAX MIN	44 28	45 27	42 32	46 29	43 30	45 29	50 29	57 35	45 33	43 31	41 30	39 30	38 30	36 20	33 18	32 20	34 18	29 21	29 14	29 11	29 16	36 15	34 19	39 24	41 29	48 26	37 26	38 20	36 18	28 14	27 9	38.5 23.6
COLEMAN 3 WNW	MAX MIN	49 33	44 26	43 34	43 32	42 28	43 32	49 29	56 32	55 35	41 33	41 32	37 29	38 29	37 29	31 17	29 19	31 18	29 20	28 20	25 11	26 17	33 16	32 19	36 25	40 30	45 23	45 29	38 29	34 17	32 17	26 10	38.0 24.8
MILLINGTON	MAX MIN	43 29	45 22	43 30	43 29	43 22	44 29	50 25	57 30	56 33	41 32	41 30	40 29	39 27	37 27	29 17	30 18	31 17	30 18	26 19	25 10	25 15	33 11	33 14	36 25	39 29	48 18	45 23	37 22	32 14	27 15	28 4	37.9 22.0
ROCK HALL 3 SE	MAX MIN																																
NORTHERN CENTRAL 06																																	
BALTIMORE WB CITY	MAX MIN	40 30	46 32	41 36	44 32	44 35	44 34	52 34	54 38	44 34	42 32	39 34	40 31	40 36	39 18	30 17	30 19	32 18	30 22	27 14	26 12	26 16	32 18	33 26	36 28	40 32	52 28	45 34	37 28	35 22	28 19	26 14	37.9 26.5
BENSON POLICE BARRACKS	MAX MIN	46 22	40 21	40 29	42 23	40 24	43 24	48 23	52 24	49 26	43 29	40 26	38 26	37 25	34 25	33 12	29 15	30 11	29 13	27 12	24 6	26 11	33 11	30 12	35 21	39 25	45 20	40 21	33 7	28 10	25 -2	36.7 18.4	
BOYDS 2 NW	MAX MIN	40 23	38 27	37 30	42 26	37 29	42 23	50 25	48 34	40 29	40 25	37 30	35 30	37 28	37 21	28 10	29 13	30 14	31 17	27 10	25 8	25 10	31 12	29 18	37 20	39 27	52 18	45 29	38 24	34 15	29 11	24 3	35.9 20.6
CONOWINGO DAM	MAX MIN	40 24	42 22	42 32	44 28	42 27	41 26	45 25	52 25	42 28	42 27	40 28	37 27	42 26	34 15	30 12	29 15	30 13	30 17	26 10	25 8	25 8	32 14	30 15	36 23	39 22	40 14	32 21	35 14	33 7	25 -5	26 -2	35.7 18.6
EDGEWOOD ARSENAL	MAX MIN																																
ELKTON	MAX MIN	41 26	43 23	42 30	44 28	43 28	44 28	49 26	53 25	52 32	42 32	40 31	38 28	38 28	36 25	30 15	29 16	26 14	30 18	28 18	26 9	26 14	34 10	32 16	37 25	39 28	46 15	37 23	34 24	35 10	28 14	28 2	37.1 21.3
EMMITSBURG 2 SE	MAX MIN	37 25	35 24	37 30	42 28	37 23	40 23	48 20	44 22	41 31	39 31	37 32	37 25	37 25	35 23	27 12	28 15	29 16	27 16	27 15	24 8	26 9	36 9	31 12	36 20	39 29	41 16	45 18	38 2	34 6	32 -10	24 -5	35.2 18.5
FREDERICK WFMD	MAX MIN																																
PARKTON 2 SW	MAX MIN	39 22	37 21	37 30	42 23	38 25	41 22	49 24	47 29	38 27	40 28	36 27	37 25	35 25	31 13	28 12	28 14	30 10	28 15	25 7	24 5	25 10	30 8	29 18	36 20	39 21	49 20	43 27	32 14	33 7	25 4	26 2	34.7 17.9
ROCKVILLE	MAX MIN	40 27	41 26	38 30	42 28	43 31	41 28	50 28	50 31	48 27	41 26	39 24	37 20	40 28	35 28	33 15	32 17	31 17	30 16	30 15	25 9	25 12	31 15	31 18	37 22	39 21	56 32	42 31	40 21	34 15	34 12	26 9	37.5 22.1
TOWSON	MAX MIN	47 26	41 24	42 32	43 25	42 29	44 22	50 24	50 34	49 29	41 30	40 30	39 28	40 28	38 28	30 14	29 16	31 15	29 18	30 16	24 8	27 12	34 10	32 12	36 21	39 26	50 21	47 25	42 26	34 10	31 15	26 0	38.0 21.1
UNIONVILLE	MAX MIN	38 22	39 21	37 31	40 27	40 22	37 18	50 22	49 23	44 26	40 29	37 26	37 28	37 24	38 18	28 12	28 14	29 11	28 15	25 5	24 9	25 10	31 10	28 9	35 20	40 27	47 15	43 20	35 27	32 17	24 -3	22 -5	34.9 16.9
WESTMINSTER	MAX MIN	36 25	37 26	37 30	38 25	37 29	39 24	47 25	46 32	45 29	38 29	35 30	35 26	35 26	33 13	25 11	25 11	26 17	27 17	23 13	20 5	22 9	30 10	27 15	34 21	36 26	48 22	47 28	37 22	31 9	26 10	23 0	33.7 20.1
WHEATON REGIONAL PARK	MAX MIN	36 23	41 21	40 30	40 24	39 23	41 21	49 21	52 22	49 28	40 25	38 21	36 30	39 27	38 16	31 14	29 16	28 16	28 17	23 15	23 9	25 13	31 14	29 12	35 28	39 11	53 24	46 28	41 26	32 6	28 10	27 -4	36.5 19.5
WOODSTOCK	MAX MIN	39 25	42 21	39 31	42 25	39 25	41 20	51 21	51 22	43 29	40 30	38 31	37 29	37 26	35 20	28 14	28 16	30 12	29 16	25 15	24 9	25 13	33 11	30 13	36 21	39 28	50 22	43 25	38 25	33 5	25 12	25 -5	36.0 19.4
APPALACHIAN MOUNTAIN 07																																	
BOONSBORO	MAX MIN	36 27	36 28	36 31	39 26	37 30	39 26	49 29	46 37	39 29	37 30	35 31	39 28	38 30	36 20	26 13	28 13	29 11	32 20	23 13	23 3	24 10	30 10	25 20	34 20	34 26	50 24	44 30	32 19	30 14	26 10	26 4	34.1 21.4
CHEWSVILLE BRIDGEPORT	MAX MIN	37 27	37 27	37 30	41 28	39 26	40 23	49 23	48 25	40 30	39 30	35 31	37 28	39 27	37 18	26 13	26 14	29 12	30 13	23 13	24 4	24 1	30 10	27 14	38 23	40 28	48 25	47 23	35 23	33 15	28 10	25 -3	35.1 19.6
CUMBERLAND	MAX MIN	34 29	36 24	38 29	39 29	40 30	43 28	51 21	42 25	37 29	34 29	35 29	40 29	39 29	36 17	22 12	24 15	28 18	29 11	20 7	20 11	23 11	33 9	26 17	36 22	35 19	61 32	56 27	36 24	32 19	27 14	23 2	34.6 21.2
CUMBERLAND POLICE BRKS	MAX MIN	34 28	35 20	36 30	36 29	39 28	40 27	48 20	53 24	42 22	37 21	35 29	40 30	39 33	36 19	22 12	23 14	26 11	26 14	21 12	21 5	22 10	31 12	29 15	34 23	51 14	56 34	36 23	31 14	29 11	30 -3	34.7 19.5	
FROSTBURG	MAX MIN	28 22	29 19	32 24	33 23	35 22	34 24	37 24	54 29	39 25	28 21	29 23	30 24	37 29	35 21	21 6	17 9	18 9	23 11	25 7	12 0	15 3	19 7	30 13	26 19	30 21	41 24	52 32	33 19	34 13	27 8	20 0	29.5 17.1
HAGERSTOWN	MAX MIN	36 28	36 27	37 29	38 28	40 29	26 26	48 26	45 29	40 25	38 31	35 31	38 28	39 29	36 19	21 13	27 14	30 14	30 20	28 12	23 5	24 11	30 12	26 17	37 21	38 28	50 23	46 35	36 23	33 13	29 10	23 1	34.7 21.2
HANCOCK FRUIT LAB	MAX MIN	39 28	35 24	35 30	39 28	41 25	41 21	42 18	47 22	44 31	37 31	38 31	36 29	40 27	38 30	30 14	26 15	27 15	29 18	34 15	23 7	23 11	25 10	31 14	24 22	38 24	39 8	48 22	41 26	34 10	33 8	23 -7	34.8 19.6
PICARDY	MAX MIN	34 27	35 25	36 28	37 27	41 27	40 24	50 21	44 22	35 28	37 28	33 29	38 29	38 28	36 18	24 11	27 13	27 10	32 17	21 11	22 4	23 9	30 8	26 15	36 21	39 23	57 26	51 33	35 18	32 17	27 11	23 0	34.4 19.6
WESTERNPORT	MAX MIN	34 28	37 21	37 30	39 28	40 31	43 27	53 21	40 25	35 28	33 27	37 28	40 29	39 31	36 18	20 12	24 15	28 11	30 19	21 11	20 5	25 10	33 9	25 15	35 23	33 26	58 15	51 34	36 23	34 18	27 14	22 1	34.4 20.4
ALLEGHENY PLATEAU 08																																	
BITTINGER 2 NW	MAX MIN	24 18	33 13	32 22	30 18	31 20	31 17	49 23	41 27	27 19	23 18	25 18	34 22	31 24	26 4	11 1	15 5	18 4	22 9														

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DECEMBER 1963

Continued

Continued		Day Of Month																															Average
Station		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	
DELAWARE																																	
NORTHERN 01																																	
MIDDLETOWN 2 S	MAX MIN																																
NEWARK UNIVERSITY FARM	MAX MIN	40 26	41 23	41 30	42 28	41 27	43 29	48 27	53 26	53 31	40 30	39 32	36 28	36 26	35 18	28 12	27 15	28 13	29 15	26 8	23 6	24 11	32 12	31 16	34 24	37 27	45 16	42 21	34 22	32 9	30 14	26 0	36.0 20.1
WILMINGTON NCASTLE WB AP	MAX MIN	41 26	44 25	42 33	41 27	42 30	44 28	48 28	55 31	43 31	41 31	38 31	37 28	37 26	36 16	28 13	30 13	28 15	30 18	25 11	24 7	24 12	32 12	32 18	35 22	38 25	45 20	36 23	34 16	31 14	24 9	28 5	35.9 20.8
WILMINGTON PORTER RESERVOIR	MAX MIN	39 27	42 26	41 33	40 29	40 29	43 30	47 29	53 32	42 31	40 31	36 25	36 28	38 29	35 17	27 14	26 15	26 14	29 19	24 11	22 7	22 11	31 13	32 23	33 23	36 27	43 21	35 28	34 19	30 16	23 11	26 8	34.5 21.8
SOUTHERN 02																																	
BRIDGEVILLE 1 NW	MAX MIN	43 28	45 24	43 33	43 28	44 25	43 32	50 24	58 30	58 31	41 30	41 28	43 30	41 30	40 31	32 17	30 17	31 16	30 17	28 19	25 11	26 15	34 13	34 14	39 25	39 29	50 24	47 28	38 27	35 20	29 18	30 11	39.0 23.4
DOVER	MAX MIN	43 27	46 25	45 33	43 29	44 25	45 32	50 26	57 32	51 33	40 31	39 30	41 28	39 29	38 31	32 17	29 18	32 18	31 20	29 20	25 11	26 15	34 15	32 18	37 24	40 30	50 23	48 26	37 25	33 21	33 18	29 12	38.6 23.9
GEORGETOWN 5 SW	MAX MIN	42 27	46 23	45 32	42 29	45 24	45 33	50 23	60 30	58 31	40 31	39 28	44 29	42 30	40 32	33 18	30 18	31 14	32 16	29 16	25 11	26 13	34 12	38 13	41 27	40 28	52 24	50 28	40 26	32 25	30 19	30 10	39.7 23.2
LEWES 1 SW	MAX MIN	45 27	47 24	45 36	43 29	46 25	44 30	52 27	57 35	57 30	43 30	40 29	45 31	42 30	41 29	32 17	30 17	32 16	33 18	28 19	27 11	27 13	35 15	40 16	43 27	42 27	55 25	50 27	38 25	34 23	28 18	32 16	40.4 23.9
MILFORD 3 WNW	MAX MIN	49 33	43 28	44 30	42 28	45 23	42 32	49 24	60 32	55 31	46 35	48 32	43 26	40 34	44 38	39 17	30 18	30 16	31 20	29 20	25 12	27 13	30 15	34 14	37 26	36 23	48 24	47 32	37 30	33 21	35 17	30 11	39.6 24.4
SELBYVILLE	MAX MIN	43 28	47 22	44 28	41 28	48 22	45 35	51 23	59 28	56 31	41 31	38 26	44 27	43 31	43 30	33 16	30 17	31 15	33 15	30 20	24 11	25 12	35 12	40 12	40 28	41 28	55 23	50 26	42 22	39 24	32 22	34 13	40.5 22.8

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 AM EST	7:00 AM EST	1:00 PM EST	7:00 PM EST	Trace	01-09	10-49	50-99	100-199	200 and over	Total		
BALTIMORE WB AIRPORT, MD.	WNW	26	8.9	38	W	8	70	72	56	62	3	2	2	2	0	0	9	64	5.1
WASHINGTON WB CITY, D.C.	-	-	-	-	-	-	-	-	-	-	0	3	2	2	0	0	7	-	-
WILMINGTON-N CASTLE WB AP, DEL.	WNW	35	8.5	30++	WSW	8	76	78	62	68	5	2	2	2	0	0	11	-	5.3

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1963

Station		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																																	
SOUTHERN EASTERN SHORE 01																																	
POCOMOKE CITY 1 S	SNOWFALL SN ON GND														0.3 T				0.5 1					*									
PRINCESS ANNE	SNOWFALL SN ON GND														T				1.0 1					T									
SALISBURY FAA AIRPORT	SNOWFALL SN ON GND WTR EQUIV														T				1.0 1	T	T	T	T	0.8									
SNOW HILL	SNOWFALL SN ON GND														T	T			1.0 1					T									
CENTRAL EASTERN SHORE 02																																	
CAMBRIDGE 4 W	SNOWFALL SN ON GND												T T	T T					1.0 1					3.0 2	1	T	T						
DENTON 1 S	SNOWFALL SN ON GND									T			T						1.0 1	T	T	T	T	3.0 3	1	1	T	T	T	T	T	T	
PRESTON 1 S	SNOWFALL SN ON GND												T	T					0.7 1	T	T	T	T	3.0 2	1	T							
ROYAL OAK	SNOWFALL SN ON GND									T			T						0.7 1	T	T			2.0 2	1	T	T	T	T	T	T	T	
LOWER SOUTHERN 03																																	
LA PLATA 1 W	SNOWFALL SN ON GND									T									0.7 1	T	T	T	T	3.1 3	3	2	1	1	1	1	T	T	
LEONARDTOWN 3 NW	SNOWFALL SN ON GND																		1.0 1					1.3 2	1	1	T	T					
OWINGS FERRY LANDING	SNOWFALL SN ON GND									T			T	T					0.5 5	T	T	T	T	3.0 3	3	2	1	T	T	T	T	T	
UPPER SOUTHERN 04																																	
ANNAPOLIS 2 WNW	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	4.5	-	-	-	-	-	-	-	-	
BALTIMORE WB AIRPORT	SNOWFALL SN ON GND WTR EQUIV									T			0.3 T	T	0.5 T				0.9	T	T	T		8.0	6 .7	4 .5	4 .5	3 .3	2 .2	1	1	1	
COLLEGE PARK	SNOWFALL SN ON GND									T			T	T					1.0 1	T	T	T	T	6.0 6	5	-	4	3	3	3	3	3	
FORT GEORGE G MEADE	SNOWFALL SN ON GND									T			T	T	T				0.5 T	T	T	T	T	5.5 6	T 4	3	2	1	1	1	1	1	
GLENN DALE BELL STA	SNOWFALL SN ON GND	T		T									T	T					1.0 "					7.0 7	5	5	3	3	3	3	3	2	
NORTHERN EASTERN SHORE 05																																	
CHESTERTOWN	SNOWFALL SN ON GND												0.5 T	T	0.5				1.5 2	1	1	1	1	5.5 5	T 4	3	2	1	1	1	1	1	
MILLINGTON	SNOWFALL SN ON GND												T	T	T	T			1.0 1	1	1	1	T	5.0 5	4	3	2	2	2	2	2	2	
NORTHERN CENTRAL 06																																	
BROOKDALE	SNOWFALL SN ON GND		T	T						T			T						1.5 2	1	1	1	T	7.5 8	T 7	5	4	4	3	3	3	3	
CONOWINGO DAM	SNOWFALL SN ON GND												1.0 1	T	T	T	T	T	2.0 2	1	1	T	T	5.0 5	5	3	3	3	2	2	2	2	
EMMITSBURG 2 SE	SNOWFALL SN ON GND		T	1.0									2.0 1	T	T	T	T	T	3.0 3	1	T	T	T	9.0 9	9	8	7	5	5	4	4	4	
PARKTON 2 SW	SNOWFALL SN ON GND		T	T						T			1.2 T	T	0.5 1	1	T	T	1.5 1	1	1	1	T	9.5 9	0.5 8	7	5	4	4	4	4	4	
UNIONVILLE	SNOWFALL SN ON GND			T						T			1.3 T	T	T				2.0 2	2	2	1	T	10.0 10	10	8	7	5	4	4	4	4	
WESTMINSTER	SNOWFALL SN ON GND	T		T									2.0 2	1	T	T	T	T	1.0 1	2.0 3	2	2	2	2	10	8	6	4	4	4	4	4	
WOODSTOCK	SNOWFALL SN ON GND			T						T			0.5 1	T	0.7 1	T	T	T	0.7 1	T	T	T	T	8.0 8	T 6	5	5	4	4	4	4	3	
APPALACHIAN MOUNTAIN 07																																	
CUMBERLAND	SNOWFALL SN ON GND												0.5 -	-	0.7 -	-	-	-	-	-	-	-	-	-	9.0 9	-	-	-	-	-	-	-	
FROSTBURG	SNOWFALL SN ON GND	3	2	0.5 2	1	T	T	T	T	2.0 1	0.3 1	T	3.0 4	3	T	T	T	T	0.5 3	0.5 4	3	3	3	3	2.0 4	8.0 11	T 9	9	4	4	4	4	4
HAGERSTOWN	SNOWFALL SN ON GND		T	T									T	1.5 T					1.5 1	T	T	T	T	9.0 9	1.0 6	4	3	2	2	2	1	1	
HANCOCK FRUIT LAB	SNOWFALL SN ON GND				0.7 T					T			2.1 2	1	T	T	T	T	0.4 T	T	T	T	T	*	9.5 9	8	8	6	5	5	5	5	
ALLEGHENY PLATEAU 08																																	
BITTINGER 2 NW	SNOWFALL SN ON GND	T	T	2.3 8	7	T	6	4	2.3 6	2.4 8	3.0 10	0.4 10	0.3 9	2.2 9	4.0 13	1.5 14	T	14	12	12	12	12	8.0 20	20	20	20	15	0.8 16	0.9 16	15	15	15	
OAKLAND 1 SE	SNOWFALL SN ON GND	0.5 3	T	2.0 5	4	3	2	1	0.5 1	3.0 4	0.7 5	3	1	1	1	1	1	1	0.3 2	0.5 3	1.0 6	3.0 6	T	0.3 3	7.0 9	T 8	T 8	3	3	0.3 3	3	3	2

See reference notes following Station Index.

CONTINUED

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
DECEMBER 1963

Station		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
SAVAGE RIVER DAM	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		1		1						1									1	3	3	3	3	11	13	13						
DELAWARE																																
NORTHERN 01																																
NEWARK UNIVERSITY FARM	SNOWFALL SN ON GND												T	T	T	T	T	T	0.7	1	1	T	T	4.0	4	4	3	3	2	2	1	1
WILMGTN NCATTLE WB AP	SNOWFALL SN ON GND WTR EQUIV									T			0.6	1	T	T	T	T	0.3	T	T	T	T	6.4	T	5	4	3	2	2	2	2
													1						T				T	T	T	.7	.6	.5	.3	.3	.2	.2
WILMGTN PORTER RESVR	SNOWFALL SN ON GND												1.0	1	T	T	T	T	0.5	1	T	T	T	6.0	6	5	4	4	4	4	4	4
SOUTHERN 02																																
BRIDGEVILLE 1 NW	SNOWFALL SN ON GND									T			T		T				1.0	1	1	T	T	3.0	3	2	1	T	T	T		
DOVER	SNOWFALL SN ON GND												T		T				0.5	T				4.0	4	2	1	T	T			
													T						5	3				4								
GEORGETOWN 5 SW	SNOWFALL SN ON GND																		0.5	1				1.5	1							
																			1					1								

DAILY TEMPERATURES

MARYLAND AND DELAWARE
DELAYED DATA

Station		Day Of Month																															Average
		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 APRIL 1963																																	
POCOMOKE CITY 1 S	MAX MIN	56 41	78 50	86 57	80 59	59 36	58 30	61 47	61 35	62 41	50 32	60 32	62 30	63 37	66 40	64 29	66 28	64 45	82 48	86 48	84 50	72 38	71 53	68 41	58 32	59 30	66 30	67 32	65 34	64 39	72 50	67.0 39.8	
MAY 1963																																	
POCOMOKE CITY 1 S	MAX MIN	71 41	65 31	76 33	82 49	81 47	70 46	73 37	83 41	90 64	93 59	85 47	58 39	65 29	70 51	73 54	71 45	73 39	79 59	87 47	80 49	75 59	77 57	72 49	66 35	66 38	75 45	69 55	76 57	82 61	78 61	77 46	75.4 47.4
JUNE 1963																																	
MILLINGTON	MAX MIN	79 49	73 58	69 61	84 63	81 65	85 63	89 63	78 59	85 62	92 70	90 65	81 60	74 58	78 55	75 61	75 54	80 52	86 58	88 60	88 61	80 59	75 48	83 50	88 53	90 55	95 60	95 62	94 68	94 73	90 69	83.8 59.8	
POCOMOKE CITY 1 S	MAX MIN	74 46	71 58	69 62	82 59	83 60	86 65	89 64	84 61	83 61	92 70	92 63	80 61	75 48	83 52	77 58	77 53	77 59	83 52	82 51	86 59	81 61	75 48	83 47	87 50	88 54	91 61	91 57	90 68	91 70	92 71	83.1 58.3	
JULY 1963																																	
POCOMOKE CITY 1 S	MAX MIN	94 67	93 66	89 66	83 53	84 47	87 55	86 54	89 58	85 56	78 57	84 52	83 53	83 54	75 59	90 68	88 64	94 64	92 72	95 75	93 76	87 63	87 62	82 61	83 56	88 57	94 62	96 63	89 69	91 71	90 76	88 64	87.7 61.9
AUGUST 1963																																	
POCOMOKE CITY 1 S	MAX MIN	89 67	85 67	90 62	91 74	89 61	88 56	85 63	87 64	90 62	86 66	83 60	88 58	86 68	82 69	79 49	83 47	84 49	87 67	81 57	89 72	87 67	87 68	92 64	90 64	78 54	78 57	77 58	80 57	83 54	80 69	85 62	85.1 61.7
WOODSTOCK	MAX MIN	90 69	89 59	87 64	90 69	88 59	88 53	82 63	87 61	90 58	87 68	86 52	89 51	86 65	72 64		76 49	88 57	80 56	76 50	84 65	84 64	87 69	87 64	84 64	74 50	78 46						84.4 59.6
DELAWARE JULY 1963																																	
DOVER	MAX MIN	94 72	95 74	90 70	83 61	83 54	85 63	88 60	85 66	85 45	79 54	82 62	85 58	82 56	76 63	88 62	90 66	94 68	94 73	95 75	94 71	86 68	84 65	83 63	88 62	92 65	94 70	96 72	95 72	90 71	90 75	87 64	88.1 65.2

See reference notes following Station Index.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
DELAYED DATA

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			
										Max.		Min.						Total	Max. Depth on Ground	Date	10 or More	50 or More	100 or More	
										90° or Above	32° or Below	32° or Below	0° or Below											
										90° or Above	32° or Below	32° or Below	0° or Below											
MARYLAND																								
APRIL 1963																								
POCOMOKE CITY 1 S	67.0	39.8	53.4		86	19+	28	16	358	0	0	10	0	.41		.28	30	.0	0		1	0	0	
MAY 1963																								
POCOMOKE CITY 1 S	75.4	47.4	61.4		93	10	29	13	154	2	0	2	0	2.42		1.21	18	.0	0		4	1	1	
JUNE 1963																								
MILLINGTON	83.8	59.8	71.8	- 0.4	95	27+	48	22	4	8	0	0	0	4.89	1.73	1.72	3	.0	0		7	4	2	
POCOMOKE CITY 1 S	83.1	58.3	70.7		92	30+	46	1	11	7	0	0	0	4.86		2.42	3	.0	0		5	3	2	
JULY 1963																								
POCOMOKE CITY 1 S	87.7	61.9	74.8		96	27	47	5	0	11	0	0	0	.69		.34	9	.0	0		2	0	0	
AUGUST 1963																								
POCOMOKE CITY 1 S	85.1	61.7	73.4		92	23	47	16	1	5	0	0	0	2.83		1.22	1	.0	0		5	2	1	
WOODSTOCK	84.4M	59.6M	72.0M	- 1.4					12	3	0	0	0					.0	0					
DELAWARE																								
JULY 1963																								
DOVER	88.1	65.2	76.7	- 0.4	96	27	45	9	0	14	0	0	0	1.98	- 2.69	.76	20	.0	0		4	2	0	

DAILY PRECIPITATION

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																																	
APRIL 1963																																	
POCOMOKE CITY 1 S	.41	.05	.06							T								.02	T														
MAY 1963																																	
POCOMOKE CITY 1 S	2.42	.48									T				.22			.01	1.21		.02	.02		.37						.05	.04		
JUNE 1963																																	
MILLINGTON	4.89		.60	1.72	.10				.18			.11			.01							.86										1.31	
POCOMOKE CITY 1 S	4.86		1.45	2.42					.22			.14				.06						.57											
JULY 1963																																	
POCOMOKE CITY 1 S	.69									.34					.18							.09								.08			
AUGUST 1963																																	
POCOMOKE CITY 1 S	2.83	1.22						T	.25				.03	T							.02	.09	.18			.35					.02		
WOODSTOCK	-			.08	.01			.03						1.24							1.29	.32	.10	.02									
DELAWARE																																	
JULY 1963																																	
DOVER	1.98							.02							.73	.24					.76		.15								.08		

See Reference Notes Following Station Index

STATION INDEX

MARYLAND AND DELAWARE
1963

STATION	INDEX NO.	COUNTY	DRAINAGE	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER
							TEMP.	PRECIP.	EVAP.	SPECIAL	
MARYLAND											
ANNAPOLIS	0193	ANNE ARUNDEL	1	38 59	76 50	40	6P	6P			H ARTHUR W. MILLER
BALTIMORE WB AIRPORT	0445	ANNE ARUNDEL	1	39 11	76 40	144	MID	MID			U.S. WEATHER BUREAU
BALTIMORE WB CITY	0470	BALTO CITY	1	39 17	76 37	14	MID	MID			U.S. WEATHER BUREAU
BELTSVILLE	0700	PRIN. GEORGES	5	39 02	76 53	120	8A	8A			CHESTER H. GORDON
BELTSVILLE PLANT STA 5	0701	PRIN. GEORGES	5	39 01	76 57	100	9A	9A			USDA PLANT IND. STA.
BENSON POLICE BARRACKS	0732	HARFORD	1	39 30	76 23	365	5P	5P			MD. STATE POLICE
BITTINGER 2 NW	0881	GARRETT	1	39 37	79 15	2700	7P	7P			ELBERT E. BUCKEL
BLACKWATER REFUGE	0915	DORCHESTER	1	38 26	76 08	5	4P	4P			NAT. WILDLIFE REFUGE
BOONSHOR	0986	WASHINGTON	5	39 31	77 39	735	6P	6P			J. HOWARD BECKENBAUGH
BOYDS 2 NW	1032	MONTGOMERY	5	39 12	77 20	580	6P	6P			RALPH F. STALEY
BRIGHTON DAM	1125	MONTGOMERY	4	39 12	77 01	350	8A				WASH. SUB. SANY. COMM.
BROOKDALE	1170	MONTGOMERY	5	38 57	77 06	260	7P				H. B. FRANCIS DASHIELL
CAMBRIDGE 4 W	1385	DORCHESTER	1	38 34	76 09	5	6P	6P			D. ARCY MC B. HARDING
CENTREVILLE	1627	QUEEN ANNES	1	39 03	76 03	46	6P	6P			HARION G. LEIBY
CHARLOTTE HALL 1 ESE	1686	ST. MARYS	4	38 28	76 45	167	5P	5P			GREEN MANOR FARM
CHESTERTOWN	1750	KENT	5	39 13	76 04	39	11P	11P			T. W. ELIASON, JR.
CHESTERVILLE BRIDGEPORT	1790	WASHINGTON	5	39 38	77 41	560	5S	5S			J. PAUL OSWALD
COLEMAN 3 WNW	1980	KENT	5	39 21	76 08	78	6P	6P			W. B. HARRIS
COLLEGE PARK	1996	PRIN. GEORGES	5	38 58	76 56	70	5P	5P			U.S. GEO. SURVEY
CONOWINGO DAM	2060	HARFORD	6	39 39	76 10	40	MID	MID			H. SUSQUEHANNA ELECTRIC CO.
CRISFIELD SOMERS COVE	2215	SOMERSET	1	37 59	75 52	8	5P	5P			SOMERS COVE MARINA
CUMBERLAND	2280	ALLEGANY	5	39 39	78 45	945	6P	6P			H. R. R. GOLDEN
CUMBERLAND POLICE BRKS	2285	ALLEGANY	5	39 38	78 50	970	5P	5P			MD. STATE POLICE
DETON 1 S	2523	CAROLINE	1	38 53	75 50	20	6P	6P			EMORY DUNSON
EASTON POLICE BARRACKS	2700	TALBOT	1	38 45	76 04	40	5P	5P			MARYLAND STATE POLICE
EDGEWOOD ARSENAL	2770	WASHINGTON	5	39 40	77 33	905	8A				LEE G. HARNE
ELKTON	2795	HARFORD	1	39 11	76 19	10	MID	MID			INACTIVE 12/1/63
EMMITSBURG 2 SE	2860	CECIL	1	39 36	75 50	28	6P	6P			H. R. RUCHELL
FORT GEORGE G. MEADE	2920	FREDERICK	5	39 41	77 18	420	5P	5P			H. MRS. LUCILLE K. BEALE
FREDERICK WFO	3350	FREDERICK	5	39 25	77 28	435	6P	6P			H. FILTRATION PLANT
FREDERICK 3 E	3355	FREDERICK	5	39 24	77 22	385	8A				H. RADIO STATION WFO
FROSTBURG	3315	FREDERICK	4	39 24	77 22	385	8A				MISS I. MARY STALEY
GLENN DALE BELL STA	3675	PRIN. GEORGES	5	38 58	76 48	151	4P	4P			H. C. A. SUTER, JR.
GRANTSVILLE	3795	GARRETT	1	39 42	79 09	2380	8A				M. PLANT INTRO. GARDEN
HAGERSTOWN	4030	WASHINGTON	5	39 39	77 44	660	6P	6P			MRS. FANNIE E. MILLER
HANCOCK FRUIT LAB	4030	WASHINGTON	5	39 42	79 11	429	8A	8A			H. HAGERSTOWN RESERVOIR
LA PLATA 1 W	5080	CHARLES	5	38 12	77 10	140	5P	5P			C. H. OF MD. FRUIT LAB.
LAUREL 3 W	5111	PRIN. GEORGES	5	39 06	76 54	400	5P	5P			WASH. SUB. SANY. COMM.
LEONARDTOWN 3 NW	5201	ST. MARYS	5	38 19	76 40	40	5P	5P			H. RADIO STATION LEVING
LOCH RAVEN DAM	5340	BALTIMORE	1	39 26	76 33	190	5P				CITY OF BALTIMORE
LUKE	5530	ALLEGANY	5	39 28	79 04	1020	8A				HOWARD T. MANGOLD
MERRILL	5894	GARRETT	1	39 36	79 02	1790	8A				DELAWARE W. MORGILL
MILLINGTON	5985	KENT	1	39 16	75 51	30	6P	6P			L. LOUIS M. HOLLET
NEW GERMANY	6408	GARRETT	1	39 38	79 07	2590	5P				ARCHIE BITTINGER
OAKLAND 1 SE	6620	GARRETT	1	39 14	79 24	2420	5P	5P			H. LOGAN WEBER
OCEAN CITY WATER PLANT	6670	WORCESTER	2	38 20	75 05	17	4P	4P			TOWN OF OCEAN CITY MD
OWINGS PERRY LANDING	6770	CALVERT	4	38 42	76 41	120	7P	7P			H. THOMAS J. BOURNE
PARKTON 2 SW	6854	BALTIMORE	1	39 18	76 42	110	11P	11P			VETERANS ADMINISTRATION
PERRY POINT	6980	CECIL	1	39 33	76 04	40					
DELAWARE											
PICARDY	7010	ALLEGANY	5	39 33	78 30	1030	6P	6P			H. POTOMAC HLND. ORCHARD
POCOMOK CITY 1 S	7140	WORCESTER	1	38 03	75 34	20	5P	5P			H. RADIO STATION WDM
POTOMAC FILTER PLANT	7272	MONTGOMERY	5	39 02	77 15	270	8A				CITY OF POTOMAC
PRESTON 1 S	7310	CAROLINE	1	38 42	75 55	50	6P	6P			H. FRANKLIN D. NUSBAUM
PRINCE FREDERICK	7325	CALVERT	1	38 32	76 35	140	5P	5P			H. BOYD KING
PRINCESS ANNE	7330	SOMERSET	1	38 12	75 41	15	5P	5P			H. TOWN OF PRINCESS ANNE
ROCK HALL 3 SE	7700	KENT	1	39 07	76 12	10	6P	6P			H. JOHN C. BRANCA
ROCKVILLE	7705	MONTGOMERY	5	39 05	77 09	436	4P	4P			H. COUNTY POLICE
ROCKYDALE	7804	TALBOT	1	38 43	76 11	10	5P	5P			H. J. L. SWAIN, JR.
SALISBURY	8000	NICOMICO	1	38 22	75 35	10	5P	5P			H. CITY OF SALISBURY
SALISBURY FAA AIRPORT	8005	NICOMICO	1	38 20	75 30	52	MID	MID			H. FED. AVIATION AGENCY
SAVAGE RIVER DAM	8045	GARRETT	5	39 31	79 08	1495	8A	8A			H. UPPER POTOMAC RVR. COMM.
SHMAR	8191	GARRETT	5	39 23	79 12	1700	8A				H. CLARENCE B. KIMBLE
SINES DEEP CREEK	8315	GARRETT	7	39 32	79 25	2040	7P	7P			PA. ELECTRIC CO.
SINES DEEP CREEK 2	8320	GARRETT	7	39 32	79 25	2040	7P	7P			MRS. THELMA REAM
SNOW HILL	8380	WORCESTER	1	38 11	75 24	14	6P	6P			H. FRED W. SEILING
SOLOMONS	8405	CALVERT	1	38 19	76 27	12	6P	6P			H. CHESAPEAKE BIOL. LAB.
SUITLAND	8456	PRIN. GEORGES	5	38 51	76 56	280	9A	9A			H. RALPH M. FREDERICK
TOXSON	8877	BALTIMORE	5	39 24	76 37	410	4P	4P			H. BALTIMORE COUNTY JAIL
UNIONVILLE	9030	FREDERICK	5	39 27	77 11	430	6P	6P			H. G. P. VON EIFF, JR.
UPPER MARLBORO 3 NW	9070	PRIN. GEORGES	4	38 52	76 47	98	8A	8A			H. TOBACCO EXP. FARM
VIENNA	9140	DORCHESTER	1	38 29	75 50	12	6P	6P			H. ERN. SHORE PUB. SVC. CO.
WALDORF POLICE BRKS	9196	CHARLES	5	38 59	76 53	210	5P	5P			H. MD. STATE POLICE
WESTMINSTER	9405	ALLEGANY	5	39 29	79 03	1000	6P	6P			H. MORRIS BRUCE
WESTMINSTER	9430	CARROLL	1	39 35	77 00	770	6P	7A			H. H. J. MATHIAS
WHEATON REGIONAL PARK	9502	MONTGOMERY	5	39 04	77 02	330	5P	5P			H. PARK & PLANNING COMM.
WOODSTOCK	9570	WASHINGTON	5	39 37	77 51	360	7A				H. HAGERSTOWN WTR. PLANT
WOODSTOCK	9750	BALTIMORE	5	39 20	76 52	415	6P	6P			H. WOODSTOCK COLLEGE
DISTRICT OF COLUMBIA											
DALECARLIA RESERVOIR	2325		5	38 56	77 07	146	5P	5P			H. CORPS OF ENGINEERS
NATIONAL ARBORETUM	6350		5	38 54	76 58	70	4P	4P			H. U.S. NAT. ARBORETUM
U. S. SOLDIERS HOME	9035		5	38 56	77 01	230	MID	MID			H. U.S. SOLDIERS HOME
WASHINGTON WB CITY	9290		5	38 54	77 03	72	MID	MID			H. U.S. WEATHER BUREAU
DELAWARE											
BRIDGEVIEW 1 NW	1330	SUSSEX	1	38 45	75 37	50	5P	5P			H. WILLIAM RAY
DOVER	2730	CENT	2	39 09	75 31	25	4P	4P			H. STATE HIGHWAY DEPT.
GEORGETOWN 5 SW	3250	SUSSEX	1	38 38	75 28	45	5P	5P			H. UNIV. AGRIC. EXP. STA.
GEORGETOWN 5 W	3250	SUSSEX	1	38 38	75 28	45	5P	5P			H. UNIV. AGRIC. EXP. STA.
MIDDLETOWN 2 S	5852	NEW CASTLE	2	39 26	75 43	75	5P	5P			H. THOMAS I. DONOVAN
MILFORD 3 NW	5915	SUSSEX	2	38 56	75 29	52	5P	5P			H. RADIO STATION WBSB
NEWCASTLE UNIVERSITY FARM	5915	NEW CASTLE	2	38 56	75 29	52	5P	5P			H. UNIV. OF DELAWARE
SELYVILLE	8269	SUSSEX	2	38 28	75 13	32	5P	5P			H. L. WIRRIE LONG
WILMINGTON CASTLE WB	9505	NEW CASTLE	2	39 40	75 36	78	MID	MID			H. U.S. WEATHER BUREAU
WILMINGTON PORTER RESERV	9605	NEW CASTLE	2	39 46	75 32	274	MID	MID			H. WATER DEPARTMENT

1. CHESAPEAKE 2. COASTAL 3. PATAPSCO 4. PATUXENT 5. POTOMAC 6. SUSQUEHANNA 7. YOUGHIOGENY

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 21240 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 sum 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, J, and S 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.

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 later.

++ 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 in equipped with a windshield.

AR This entry in time of observation column in Station Index means after rain.

AM Data based on observational day ending before noon.

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.

N 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 substationing from 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, D.C. 20402

CORRECTIONS

August 1963 Climatological Data Table Frederick WB AP

Correct as follows: Average maximum temperature 83.5;

August 1963 Daily Temperature Table Frederick WB AP

average temperature 71.4; departure from normal -2.5.

Correct as follows: Maximum 89 on 2; average maximum 83.5.

USOON-WE-Asheville, N. C. - 3/20/64-750

MARYLAND AND DELAWARE

