

U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JANUARY 1960
Volume 64 No. 1



ASHEVILLE: 1960

MARYLAND AND DELAWARE - JANUARY 1960
TEMPERATURE AND PRECIPITATION EXTREMES

Highest Temperature: 66° on the 13th at Cumberland, Md.

Lowest Temperature: - 6° on the 25th at Oakland 1 SE, Md.

Greatest Total Precipitation: 5.03 inches at Sines Deep Creek, Md.

Least Total Precipitation: 2.10 inches at Hancock Fruit Lab, Md.

Greatest One-Day Precipitation: 1.52 inches on the 28th at Brighton
Dam, Md.

Greatest Reported Total Snowfall: 14.2 inches at Bittinger 2 NW, Md.

Greatest Reported Depth of Snow on Ground: 7 inches on the 23rd at
Bittinger 2 NW and Sines
Deep Creek, Md.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE
JANUARY 1960

CONTINUED

Station	Temperature											Precipitation												
	Average Maximum	Average Minimum	Average	Departure From Long Term Means	Highest	Date	Lowest	Date	Degree Days	No. of Days				Total	Departure From Long Term Means	Greatest Day	Date	Snow, Sleet			No. of Days			
										90° or Above	32° or Below	32° or Below	32° or Below					Total	Total	Max. Depth on Ground	Date	.10 or More	.50 or More	1.00 or More
EDGEWOOD ARSENAL	40.4	28.5	34.5		53	3	18	25	937	0	1	24	0	2.47		.85	3	T	T	12	4	1	0	
ELKTON	42.6	28.4	35.5		53	27+	16	25	909	0	1	24	0	2.58		1.05	3	T	T	12	4	3	1	
EMMITSBURG 2 SE	42.0	26.5M	34.3M		53	16	12	25	942	0	1	25	0	2.33		.73	3	T	0	0	5	1	0	
FREDERICK POLICE BRKS	42.2	28.0	35.1		55	10	15	25	919	0	2	23	0	2.92		.74	3	T	0	0	6	3	0	
FREDERICK WB AIRPORT R	41.3	26.5	33.9	1.2	55	10	13	25	956	0	2	25	0	2.47		.66	3	1.0	1	6	7	1	0	
MIDDLE RIVER 1 N	42.5	27.3	34.9		54	3	15	25	925	0	0	26	0	2.91		.98	28	T	0		5	3	0	
PARKTON 2 SW	40.7	25.0	32.9		53	10	14	25	988	0	2	28	0	2.55		.79	3	.2	T	24+	7	2	0	
PIKESVILLE POL BRKS	42.5	27.9	35.2		55	10	17	22+	916	0	1	24	0	2.69		.85	3	T	0	24+	5	2	0	
RANDALLSTOWN POL BRKS	41.8	27.4	34.6		57	10	16	25	932	0	3	27	0	2.93		.90	3	.1	T	0	5	3	0	
ROCKVILLE	43.8	29.2	36.5		56	11+	16	25	876	0	2	22	0	2.47		.78	15	T	T	12	8	2	0	
TAKOMA PARK MISS AVE	43.8	29.5	36.7		58	10	17	25	872	0	1	21	0	2.88		.95	3	.2	0		7	3	0	
TOWSON	43.5	28.4	36.0		56	28	13	25	893	0	0	22	0	2.45		.84	3		0		4	3	0	
UNIONVILLE	41.6	25.8	33.7		55	10	12	25	964	0	1	26	0	2.29		.70	3	.3	0		5	2	0	
VIERS MILL	43.7M	28.7M	36.2M		58	11	12	25	886	0	1	24	0	2.39		.8	0		0					
WATERLOO POLICE BRKS	42.7	27.2	35.0		55	10	10	25	923	0	1	26	0	2.78		1.00	15	T	0		7	3	1	
WESTMINSTER	40.2	26.5	33.4	.3	56	10	14	25	973	0	4	26	0	2.57		.86	3	T	T	13+	6	1	0	
WOODSTOCK	42.7	27.2	35.0	.8	57	10	13	25	923	0	1	24	0	2.56		.79	3	.3	T	12	6	2	0	
DIVISION			34.9	.8										2.70		.70		.2						
APPALACHIAN MOUNTAIN																								
CHEWSVILLE BRIDGEPORT	41.3	27.0	34.2	1.5	53	15+	15	25+	949	0	2	25	0	2.38		.76	3	.3	0		6	2	0	
CLEAR SPRING 1 ENE	42.0	28.4	35.2		54	15	14	25	918	0	2	25	0	2.71		.70	3	T	0		6	2	0	
CUMBERLAND	41.4	27.5	34.5		66	13	12	25	939	0	4	25	0	2.18		.71	15	.1	0		4	3	0	
CUMBERLAND POLICE BRKS	41.6	26.1	33.9		63	13	9	25	932	0	5	24	0	2.92		1.07	15	T	0		6	3	1	
FROSTBURG	38.8	23.9	31.4	.0	61	13	8	25	1035	0	6	27	0	2.76		.95	15	2.7	0	24+	6	2	0	
HAGERSTOWN	41.4	23.1	32.3		52	15	11	22	1006	0	2	29	0	2.31		.72	3	T	T	18	4	2	0	
HANCOCK FRUIT LAB AM	41.6	24.9	33.3		58	14	9	25	976	0	4	27	0	2.10		.53	15	T	0		5	3	0	
KEDYSVILLE	43.4	27.1	35.3	1.2	56	10	14	25	913	0	1	24	0	2.42		.65	3	.5	0		6	2	0	
PICARDY	42.0	25.7	33.9		62	13	11	24	955	0	4	25	0	2.56		.76	15	2.0	0		7	1	0	
WESTERNPORT	42.9	27.5	35.2	.8	64	13	10	25	917	0	4	26	0	2.75		1.16	15		0		5	1	1	
DIVISION			33.9	.6										2.51		.32		.6						
ALLEGHENY PLATEAU																								
BITTINGER 2 NW	34.8	21.1	28.0		55	13	5	25+	1144	0	13	29	0	4.25		1.23	3	14.2	7	23	7	2	2	
OAKLAND 1 SE	37.2	22.1	29.7	.2	56	15+	6	25	1085	0	8	27	1	4.88		1.12	15	8.7	6	23	7	4	2	
SAVAGE RIVER DAM	38.2	23.2	30.7		60	14	5	25	1056	0	9	27	0	2.89		.97	15	1.4	1	23+	5	3	0	
SINES DEEP CREEK	38.0	24.0	31.0	2.3	57	13	1	25	1050	0	9	25	1	5.03		1.23	3	11.5	7	23	8	4	3	
DIVISION			29.9	1.0										4.26		.20		9.0						
DELAWARE																								
NORTHERN																								
MIDDLETOWN 2 S	43.8	28.4	36.1		60	27	18	25	895	0	0	26	0	2.24		.75	3				5	2	0	
NEWARK UNIVERSITY FARM	42.4	27.9	35.2		57	27+	17	25+	916	0	2	27	0	3.04		1.05	3	T	T	12+	6	3	1	
WILMINGTON NCASTLE WB AP	41.7	28.4	35.1	1.8	58	3	18	25	920	0	1	24	0	2.86		.75	3	.2	T	13+	6	2	0	
WILMINGTON PORTER RESVR	40.9	28.8	34.9		56	3	21	25	926	0	2	26	0	3.38		1.11	3				7	2	1	
DIVISION			35.3	1.0										2.88		.77		.1						
SOUTHERN																								
BRIDGEVILLE 1 NW	44.4	29.7	37.1	.0	61	3	18	25	860	0	1	23	0	2.49		.76	3	.5	0		5	2	0	
DOVER	44.1	29.4	36.8	.0	59	27+	19	25	868	0	0	23	0	2.24		.78	3	T	0		4	2	0	
GEORGETOWN 5 SW	45.6	29.5	37.6		61	3	15	24	843	0	0	22	0	2.31		.67	3	.4	0		5	2	0	
LEWES 1 SW	44.0	30.6	37.3		59	27+	20	24+	854	0	1	20	0	2.94		.79	3	.9	0		6	3	0	
MILFORD	44.7	29.2	37.0		63	3	18	25+	862	0	1	23	0			.0		0						
SELBYVILLE	46.9	29.9	38.4		59	28+	19	25+	818	0	1	21	0	2.47		.71	3	T	0		7	1	0	
DIVISION			37.4	.0										2.49		1.51		.3						

DAILY PRECIPITATION

CONTINUED

MARYLAND AND DELAWARE
JANUARY 1960

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		
DELAWARE																																		
BRIDGEVILLE 1 NW	2.49	T	.76			.03	.13					.02	.41	.50		.02	.05	.13															.42	
DOVER	2.24	T	.78				.08					T	.50	.02	.48	T		.04	.03						T							.31		
GEORGETOWN 5 SW	2.81		.67	.03		.07	.17						.35	.51				.01	.08													.42		
LEWES 1 SW	2.99		.02	.75		.07	.17					.02	.60	.01	.61	T		.04	.12												.01	.46	.02	
MIDDLETOWN 2 S	2.29			.75								T	.45	.15				.25	.09			T	T									.55		
MILFORD	-						.14					T	.53	.54				T	.10													.40		
NEWARK UNIVERSITY FARM	3.04		1.05			T	T					T	.45	.03	.70	.01		.14	.12						T							.54		
SELBYVILLE	2.47		.71			.11	.17	.02				T	.29	.62	.62	.06		T	.25						T							.42		
WILMINGTON NCASTLE WB AP	2.86		.05	.75		T	.02			T		.07	.44	T	.60			.30	T						T							.21		
WILMINGTON PORTER RESVR	3.98		.02	1.11		T	.02					.17	.43		.72			.24	.01					T	T						.38	.28		

SUPPLEMENTAL DATA

Station	Wind direction		Wind speed m. p. h.				Relative humidity averages - percent				Number of days with precipitation						Total	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 EST	7:00 a EST	1:00 p EST	7:00 p EST	Trace	01-09	10-49	50-99	100-199	200 and over			
ANNAPOLIS USN ACADEMY, MD.	-	-	-	-	-	-	-	-	-	-	4	3	7	0	1	0	15	-	-
BALTIMORE WB AIRPORT, MD.	WNW	20	9.6	34	W	19	73	75	59	67	3	7	4	1	0	0	15	51	6.8
FREDERICK WB AIRPORT, MD.	-	-	-	-	-	-	-	-	-	-	2	7	6	1	0	0	16	-	-
WASHINGTON WB CITY	WNW†	20†	9.9†	40†	WNW†	19+†	72†	77†	59†	63†	-	3	5	2	0	0	-	46†	7.1†
WILMINGTON WB AIRPORT, DEL.	WNW	22	9.3	35++	N	19	77	79	61	73	6	3	4	2	0	0	15	-	6.6

† Airport Data

SNOWFALL AND SNOW ON GROUND

MARYLAND AND DELAWARE
JANUARY 1960

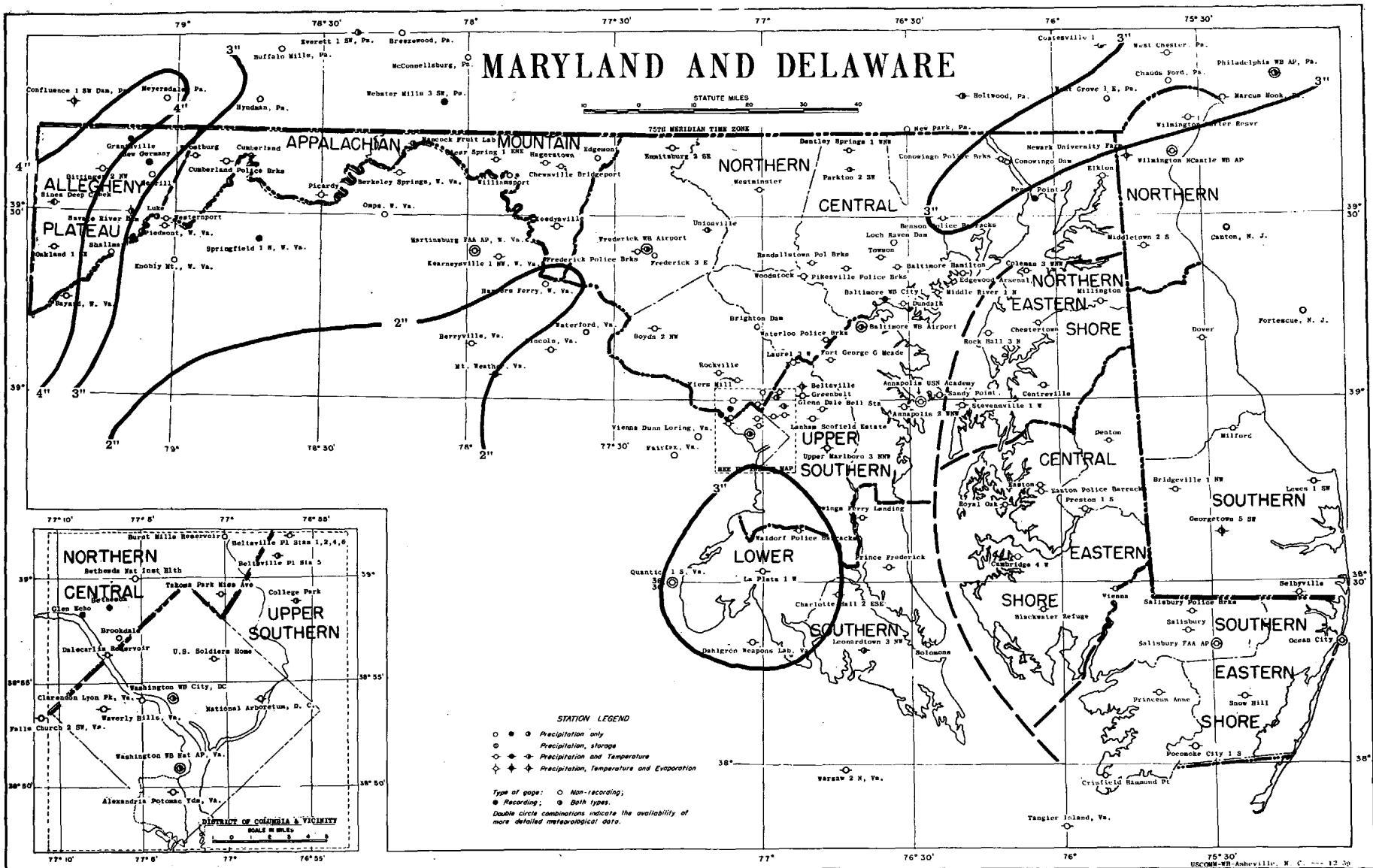
Station	Day of month																																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
MARYLAND																																		
ANNAPOLIS USN ACADEMY						T	T															T												
BALTIMORE WB AIRPORT						T	T					T							T					.3										
BITTINGER 2 NW	5	1	.2	T	T		T	.3	T										6.3	2.3	1.0	.9	2.4	.8										
BROOKDALE						T	T					T											T	T										
CAMBRIDGE 4 W						1.0	T																	T										
CHARLOTTE HALL 2 ESE						.6	.5	T																										
CHESTERTOWN						T	T					T	T						T			T	T	T	T									
COLLEGE PARK						T	T					T												T	T									
CONOWINGO DAM						T	T					T							T	T			T	T	T	T								
CUMBERLAND	T								T							T				T	.1	T	T		T				T					
DENTON						T	T					T	T							T			T		T									
DUNDALK						T	.5					T	T							T	T				.2									
EMMITSBURG 2 SE							T					T	T												T									
FORT GEORGE G MEADE							T													T				T										
FREDERICK WB AIRPORT						.5	.5													T	T													
GLENN DALE BELL STA						T	.5					T												T	.1									
GREENBELT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HAGERSTOWN		T					T												T	T														
HANCOCK FRUIT LAB									T																									
KEEDYSVILLE							.5																											
LA PLATA 1 W						.8	1.0					T												T	T									
LEONARDTOWN 3 NW						T	T																											
MILLINGTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
OAKLAND 1 SE			.1	T		T	T	.3	T											4.0	1.0	.5	1.0	1.5	.2	.1								
OCEAN CITY						T	T																											
OWINGS FERRY LANDING						.5	T																	T										
PARKTON 2 SW						T	T					T	T										T	T	.2									
POCOMOKE CITY 1 S						T																												
PRESTON 1 S						.5							T												T									
ROYAL OAK						.8	T					T	T																					
SALISBURY FAA AIRPORT						T	T																T		T									
SAVAGE RIVER DAM	T	T						T												1.1	.1	.1	T	.1	T	T	T							
SNOW HILL						.5	T								T										T									
UNIONVILLE						.3	T														T		T	T	T									
WASHINGTON WB CITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WESTMINSTER						T	T		T				T	T																				
WOODSTOCK						T	T					T	T								T		T		.3									

See reference notes following Station Index.

SNOWFALL AND SNOW ON GROUND

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
DELAWARE																																
BRIDGEVILLE 1 NW	SNOWFALL SN ON GND						.5																			T						
DOVER	SNOWFALL SN ON GND							T					T																			
GEORGETOWN 5 SW	SNOWFALL SN ON GND						.4																									
MIDDLETOWN 2 S	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEWARK UNIVERSITY FARM	SNOWFALL SN ON GND							T					T													T						
WILMINGTON NCASTLE WB AP	SNOWFALL SN ON GND WTR EQUIV						T	T					.2	T					T	T				T		T						
WILMINGTON PORTER RESVR	SNOWFALL SN ON GND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

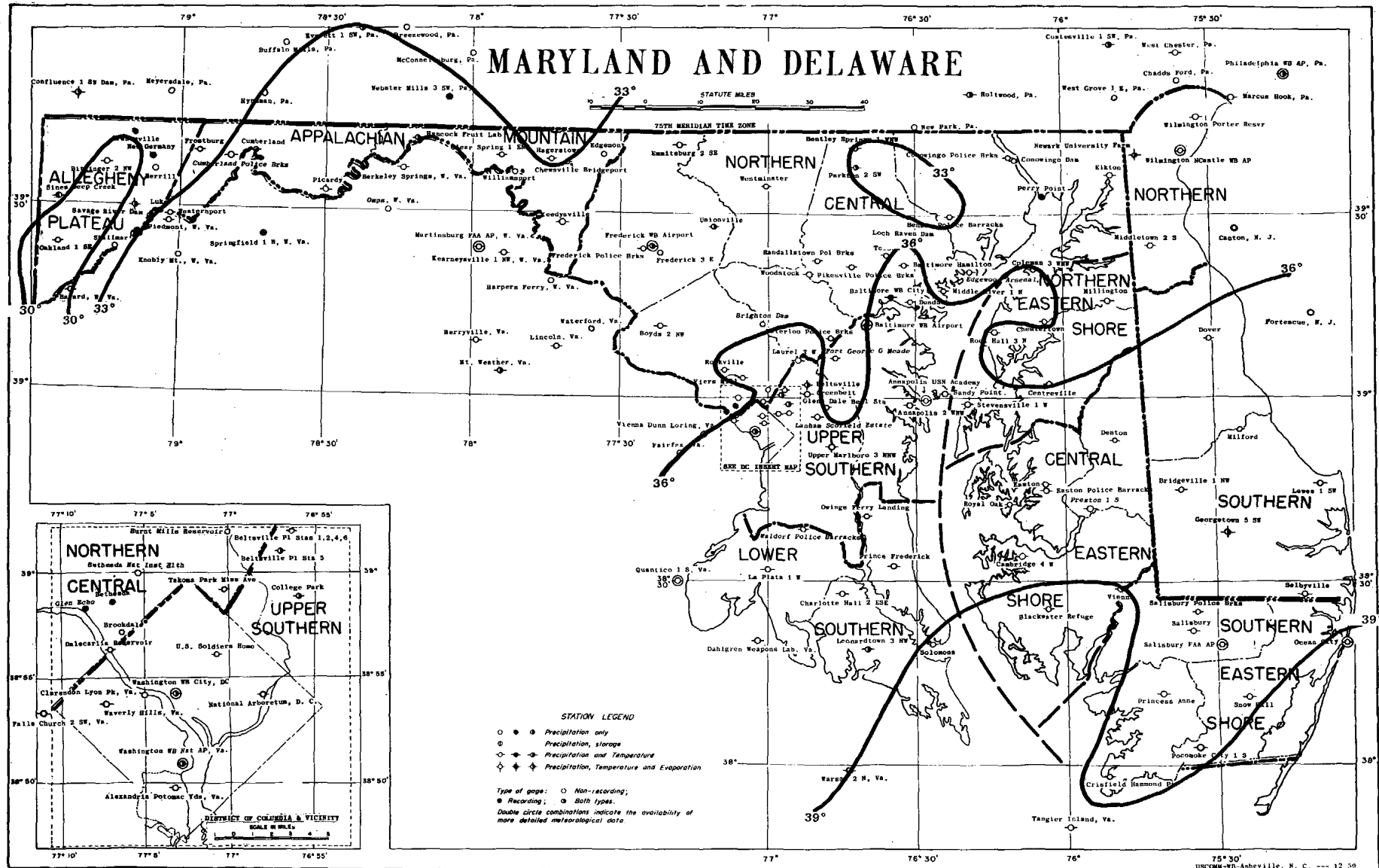
See reference notes following Station Index.



TOTAL PRECIPITATION

MARYLAND AND DELAWARE
JANUARY 1960

Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



AVERAGE TEMPERATURE

MARYLAND AND DELAWARE
JANUARY 1960

Isotherms are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

STATION INDEX

MARYLAND AND DELAWARE
JANUARY 1960

STATION	INDEX NO.	COUNTY	DRAINAGE I	LATITUDE	LONGITUDE	ELEVATION	OBSERVATION TIME AND TABLES				OBSERVER	
							TEMP.	PBDCP.	EVAP.	SPECIAL INSTR.		
MARYLAND												
ANAPOLIS U S N ACADEMY	0189	ANNE ARUNDEL	1	38 59	76 28	10	MID	MID			H	U.S. NAVY
ANAPOLIS 2 WNW	0195	ANNE ARUNDEL	1	38 59	76 31	65	6P	6P			H	RADIO STATION WNAV
BALTIMORE WB AIRPORT	0465	ANNE ARUNDEL	3	39 11	76 40	146	MID	MID			C, H	U.S. WEATHER BUREAU
BALTIMORE WB CITY	0470	BALTO CITY	3	39 17	76 37	14	MID	MID				U.S. WEATHER BUREAU
BALTIMORE HAMILTON	0475	BALTO CITY	1	39 21	76 33	330	5P	5P				W. M. KIMMERSLEY, JR.
BELTSVILLE	0700	PRINCE GEORGE	5	39 02	76 59	120	8A	8A		8A	C	CHESTER H. GOROOK
BELTSVILLE PLANT STA 1	0701	PRINCE GEORGE	5	39 02	76 56	160	9A	9A				USDA PLANT IND. STA.
BELTSVILLE PLANT STA 2	0702	PRINCE GEORGE	5	39 02	76 56	136	9A	9A				USDA PLANT IND. STA.
BELTSVILLE PLANT STA 4	0704	PRINCE GEORGE	5	39 02	76 56	265	9A	9A				USDA PLANT IND. STA.
BELTSVILLE PLANT STA 5	0705	PRINCE GEORGE	5	39 01	76 57	100	9A	9A			C	USDA PLANT IND. STA.
BELTSVILLE PLANT STA 6	0706	PRINCE GEORGE	5	39 01	76 57	215	9A	9A				USDA PLANT IND. STA.
BENSON POLICE BARRACKS	0732	HARFORD	1	39 30	76 23	565	5P	5P				MD. STATE POLICE
BENTLEY SPRINGS 1 WNW	0757	BALTIMORE	1	39 41	76 42	750	5P	5P				CARL A. PITTINGER
BETHESDA	0709	MONTGOMERY	5	38 58	77 07	320					C	KENWOOD COUNTY CLUB
BETHESDA NAT INST HLTH	0800	MONTGOMERY	5	39 00	77 06	310	6P	6P				NAT. INST. OF HEALTH
BITTINGER 2 NW	0881	GARRETT	7	39 37	79 15	2700	7P	7P			H	ELBERT E. RUCKEL
BLACKWATER REFUGE	0915	DORCHESTER	1	38 24	76 08	5	4P	4P				NAT. WILDLIFE REFUGE
BOYDS 2 NW	1052	MONTGOMERY	5	39 17	77 20	560	6P	6P				RALPH F. STALEY
BRIGHTON DAM	1170	MONTGOMERY	4	39 12	77 01	350	8A	8A				WASH. SUB. SVC. COMM.
BROODALE	1170	MONTGOMERY	5	38 57	77 06	260	7P	7P			H	B. FRANCIS DASHIELL
BURNT MILLS RESERVOIR	1278	MONTGOMERY	5	39 02	77 00	220	8A	8A				J. M. JESTER
CAMBRIDGE 4 W	1385	DORCHESTER	1	38 34	76 09	5	6P	6P			H	D. ARCY MC B. HARDING
CENTREVILLE	1123	MONTGOMERY	1	39 03	76 03	46	6P	6P				ALEXANDER J. KNIGHT
CHARLOTTE HALL 2 ESE	1685	ST MARYS	4	38 28	76 45	167	6P	6P				H. B. TENNISON
CHESTERTOWN	1750	KENT	1	39 19	76 04	35	11P	11P				T. W. ELIASON, JR.
CHEWVILLE BRIDGEPORT	1790	WASHINGTON	5	39 38	77 41	560	5S	5S				D. PAUL OSNOLD
CLEAR SPRING 1 ENE	1890	WASHINGTON	5	39 40	77 54	580	5P	5P				MRS. L. A. CONILL
COLLEEN 3 WNW	1900	KENT	1	39 21	76 08	78	6P	6P				W. B. HARRIS
COLLEGE PARK	1995	PRINCE GEORGE	5	38 59	76 56	70	5P	5P			C, H	U.S. GEOL. SURVEY
CONOWINGO DAM	2060	HARFORD	6	39 39	76 10	40	MID	MID				H. SUSQUEHANNA ELECTRIC CO.
CONOWINGO POLICE BRKS	2065	HARFORD	6	39 39	76 11	195	5P	5P				MD. STATE POLICE
CRIEFIELD HAMMOCK PT	2205	SOMERSET	1	37 58	75 52	7	5P	5P				GEORGE M. STAPLES, III
CUMBERLAND	2280	ALLEGANY	5	39 39	78 45	945	6P	6P			H	R. R. GOLDER
CUMBERLAND POLICE BRKS	2285	ALLEGANY	5	39 38	78 50	970	5P	5P				MD. STATE POLICE
DENTON	2523	CAROLINE	1	38 55	75 50	20	6P	6P				H. JAMES COOPER
DUNDALK	2660	BALTIMORE	3	39 16	76 31	90	6P	6P				W. A. HEISENHOLDER
EASTON	2695	TALBOT	1	38 46	76 04	28	5P	5P				INACTIVE 9/59
EASTON POLICE BRKS	2700	TALBOT	1	38 45	76 04	40	5P	5P				MD. STATE POLICE
EDGEWONT	2770	WASHINGTON	5	39 40	77 33	905	8A	8A				LEE G. HARNE
EDGEWOOD ARSENAL	2795	HARFORD	1	39 21	76 19	10	MID	MID				U.S. ARMY SIGNAL CORPS
ELKTON	2860	CECIL	1	39 36	75 50	28	6P	6P				H. W. BOUCHELLE
EMITSBURG 2 SE	2906	FREDERICK	5	39 41	77 18	420	5P	5P				MRS. LUCILLE K. BEALE
FORT GEORGE 6 MEADE	3230	ANNE ARUNDEL	4	39 06	76 45	140	5P	5P				H. FILTRATION PLANT
FREDERICK POLICE BRKS	3348	FREDERICK	5	39 25	77 26	380	5P	5P				MD. STATE POLICE
FREDERICK WB AIRPORT	3550	FREDERICK	5	39 25	77 23	294	MID	MID			C, H	U.S. WEATHER BUREAU
FREDERICK 3 E	3555	FREDERICK	5	39 24	77 22	395	6P	6P				MRS. GLENNA R. STALEY
FROSBURG	3610	ALLEGANY	5	39 39	78 56	2035	6P	6P				C. A. SUTER, JR.
GLEN ECHO	3645	MONTGOMERY	5	38 58	77 09	150					C	CORPS OF ENGINEERS
GLENN DALE BELL STA	3678	PRINCE GEORGE	4	38 58	76 48	151	4P	4P				H. PLANT INTRO. GARDEN
GRANTSVILLE	3795	GARRETT	7	39 42	79 09	2360						FLOYD J. MILLER
GREENBELT	3860	PRINCE GEORGE	5	39 01	76 52	200	7A	7A				H. RALPH E. TRUESDELL
HAGERSTOWN	3975	WASHINGTON	5	39 39	77 44	660	6P	6P				H. HAGERSTOWN RESERVOIR
HANCOCK FRUIT LAB	4030	WASHINGTON	5	39 42	76 11	426	8A	8A			C, H	U. OF MD. FRUIT LAB.
KEEDYSVILLE	4780	WASHINGTON	5	39 29	77 42	420	6P	6P				H. TRAVIS D. KNOBE
LANHAM SCOTFIELD EST	5050	PRINCE GEORGE	5	38 57	76 50	200	7A	7A				FRANCIS SCOTFIELD
LA PLATA 1 W	5080	CHARLES	5	38 32	77 00	140	5P	5P				H. C. PUSSELL LEVERING
LEONARDTOWN 3 NW	5101	PRINCE GEORGE	4	39 06	76 58	400	5P	5P				PATUENT FILT. PLANT
LOCH RAVEN DAM	5201	ST. MARYS	5	38 19	76 40	40	5P	5P			C, H	RADIO STATION WKIK
LUXE	5340	BALTIMORE	1	39 26	76 33	190	5P	5P				CITY OF BALTIMORE
MERRILL	5894	GARRETT	5	39 36	79 09	1790	8A	8A				J. G. PATRICK
MIDDLE RIVER 1 N	5937	BALTIMORE	1	39 21	76 27	60	6P	6P				DELMOND E. MERRILL
MILLINGTON	5985	KENT	1	39 16	75 51	30	6P	6P				MRS. MILDRED L. HENKEL
NEW GERMANY	6408	GARRETT	5	39 38	79 07	2590	5P	5P				H. LOUIS H. MOLLETT
OAKLAND 1 SE	6620	GARRETT	7	39 24	79 28	2420	5P	5P				ARCHIE BITTINGER
												R. E. WEBER

1-CHESAPEAKE, 2-COASTAL, 3-PATAPSCO, 4-PATUENT, 5-POTOMAC, 6-SUSQUEHANNA, 7-YOUGHIOPENY

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 preceding 12 months will be carried in the June 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.

Long-term means for full-time stations (Those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all stations except full-time Weather Bureau stations are based on the period 1931-1955.

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 "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.
- 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.
- 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 latest 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.