

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

ANNUAL SUMMARY 1948

Volume LII No. 13



MARYLAND AND DELAWARE, 1948

G. N. Brancato, Section Director - Baltimore, Md.

GENERAL SUMMARY

This was a year of considerable precipitation and near normal temperatures. Precipitation averaged over 12 inches more than normal and all stations reported above normal amounts. The northern portions of Delaware and Maryland, and two small areas near Annapolis and Solomons had precipitation totals closest to the average. Amounts were nearest normal in February, April, June, July and September. Precipitation totals were greatest in Sussex County, Delaware, and in Worcester, Wicomico, Dorchester, and portions of Caroline, Talbot, Calvert, Charles and St. Mary's Counties of Maryland. In portions of the area of greatest precipitation, two periods were outstanding. The first was near Memorial Day when rainfall amounts of 4 to 5 inches were measured. The second and more extensive period of excessive rainfall occurred from July 31 to August 5. There were no dry periods of sufficient length to be detrimental to interests depending on precipitation.

As a result of excessively heavy snowfalls in January and February, the total for the year was slightly above average in Maryland and well above average in Delaware. December amounts were near normal in Maryland and about 60% of normal in Delaware. Very little snow fell in other months.

Although temperatures over the two-state area averaged only three-tenths of a degree above normal, a few areas recorded fairly wide variations. From Oxford northwestward across most of Anne Arundel County, Howard County to eastern Frederick County, and near Hancock, Maryland, and Wilmington, Delaware, average temperatures were from 1 to 1-1/2 degrees below normal. Temperatures were from 1 to 2 degrees above normal in Somerset, Worcester, and portions of Wicomico, Dorchester, Calvert, Baltimore, Harford, Kent, Washington and Garrett Counties of Maryland, and in and near the District of Columbia. The January temperature was the most below normal while September and October were well below normal. August and November were, relatively, the warmest months, while March, April and December were also well above normal. The warmest period was August 25 to 30 when readings near or above 100 were near record levels. The 107 degree temperature at Glenelg was the highest Maryland temperature since 1936 while the 101 at Milford was the highest Delaware reading since 1940. Cold weather prevailed over the area from January 14 to February 11, with January 31 being the coldest day. A brief cold period also occurred on December 26-27.

Winter grains and grasses emerged from Winter in good condition. The generally warm weather of March and April caused a good growth in all vegetation. Freezing temperatures and damaging frost occurred on April 4, 10, 18, 23 and 29. The frost of the 18th was most damaging to the western Maryland fruit area while the frosts of the 23rd and 29th were the most damaging in Del-Mar Counties.

Heavy precipitation, with the lack of warm daytime sunshine, in May and June was detrimental to many crops. Seeded crops did not germinate properly on the severely eroded fields, fruit blossoms were not pollinated properly and a heavy drop occurred later, hay crops deteriorated due to inability to harvest at the proper time, corn fields became weedy from lack of cultivation, tobacco developed some blue mold, and farm operations were delayed. Many of these conditions improved with drier weather in July when the harvest of truck crops and early fruits was started, and the harvest of Winter grains neared the end. Tobacco was growing well but with some aphid infestation.

Heavy rains in southern and southeastern Maryland and the western portion of Sussex County, Delaware, between July 31 and August 5 flooded many fields and caused some lodging. Otherwise, crops made good development during August. The intense heat of the last week aided some crops but was detrimental to others.

September's weather favored the final development of crops. Corn was being harvested, haying operations were completed, late apples were being picked, and the tobacco harvest was completed. Early sown Winter grains were up in some fields as other fields were being plowed.

Practically all the Winter grains and grasses were seeded by the end of October with many fields up to good stands. Good progress was made in picking and husking a good corn crop. Picking a light crop of apples was almost completed. Pastures were good for the season in most areas.

Winter grains and grasses made good growth during a warm, wet November. The growth was too rank in some eastern areas and pasturing was used to cut the heights of the grains.

Vegetation became dormant in December although there was some growth in eastern areas. Excessive precipitation had prevented the harvesting of some soy beans in eastern areas at the end of the year.

TEMPERATURE

For Maryland, the annual mean temperature varied from 60.4 degrees at Crisfield to 49.1 degrees at Oakland. The highest temperature was 107 degrees on August 28 at Glenelg and the lowest was 20 degrees below zero on January 19 at Oakland. The greatest local annual temperature range was 117 degrees at Hancock, ranging from 102 degrees on August 29 to 15 degrees below zero on January 26, and at Keedysville, ranging from 102 degrees on August 27 to 15 degrees below zero on January 26. The least local annual temperature range was 88 degrees at Salisbury, ranging from 98 degrees on August 27 to 10 degrees on January 31.

For Delaware, the annual mean temperature varied from 56.0 degrees at Millsboro to 53.0 degrees at Wilmington (Porter Reservoir). The highest temperature was 101 degrees on August 26 at Milford, and the lowest was 3 degrees below zero at Newark (College Farm) on February 7. The greatest local annual temperature range was 101 degrees at Newark (College Farm), having a high reading of 98 degrees on August 27 and a low reading of 3 degrees below zero on February 7. The least local annual range was 88 degrees at Lewes, having a high reading of 97 degrees on August 28 and a low reading of 9 degrees on January 26.

PRECIPITATION

For Maryland, the annual precipitation was greatest at Salisbury with 72.59 inches, and the least at Hancock with 40.22 inches. The greatest 24-hour rainfall was 5.09 inches on August 4 at Salisbury. For Delaware, the annual precipitation was greatest at Lewes with 72.75 inches and least at Wilmington (City Hall) with 45.69 inches. The greatest 24-hour rainfall was 5.40 inches on May 20 at Dover.

SNOWFALL

For Maryland, the greatest annual snowfall was 65.2 inches at Sines (Deep Creek) and the least was 0.2 inch at Crisfield. The greatest depth on the ground was 18 inches on February 4 at Frostburg. For Delaware, the greatest annual snowfall was 30.7 inches at Newark (College Farm) and the least at Georgetown with 16.7 inches. The greatest depth on the ground was 11 inches on February 5 at Wilmington (Porter Reservoir and City Hall).

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages--mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about \$100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

MARYLAND AND DELAWARE
1948

- 111 -

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1946

Table 2

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
ABERDEEN PROV GROUND	5.42	2.28	2.48	- .29	4.27	1.00	3.41	- .01	7.18	3.87	4.84	1.31	2.58	-1.80	4.80	.23	2.82	- .54	1.63	- .94	4.83	2.09	5.60	3.03	49.86	10.23
ANNAPOLIS U S NAV ACAD	4.77	1.38	2.48	- .78	2.87	- .92	2.18	-1.51	7.44	3.46	4.54	.52	3.75	-1.67	6.29	1.80	1.73	-2.09	2.88	- .28	5.06	1.27	5.59	2.28	49.58	4.46
BALTIMORE WB AIRPORT	5.36	2.86	1.97	-1.42	4.10	- .39	3.18	- .16	7.34	3.80	8.11	4.23	2.78	-1.86	9.08	4.71	3.88	- .51	3.38	- .49	5.81	3.25	5.44	2.07	61.43	18.87
BALTIMORE WB CITY	5.83	2.33	1.89	-1.60	3.85	- .14	2.92	- .42	6.41	2.87	9.36	5.48	1.94	-2.70	5.75	1.38	2.27	-1.10	3.62	- .73	5.40	2.84	5.47	2.10	54.71	12.05
BALTIMORE HAMILTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BATTERY PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BELTSVILLE	4.66	-	1.60	-	4.60	-	2.32	-	7.08	-	6.01	2.70	2.88	-1.33	7.87	3.03	2.58	-1.27	3.81	- .42	5.58	2.68	5.07	-	54.04	-
BENSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BETHESDA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BLACKWATER	6.40	3.18	2.45	.03	4.05	.21	2.46	- .34	11.64	8.34	5.18	1.34	7.70	1.17	10.53	7.93	2.82	- .18	2.98	- .03	6.88	3.57	4.18	.86	67.27	26.18
BRIGHTON DAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOKDALE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOKSIDE MANOR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BURN MILLS RESERVOIR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAMBRIDGE	5.91	2.28	2.80	- .60	4.36	.48	2.88	- .76	7.78	4.29	4.27	.50	6.19	1.67	11.43	6.68	2.21	-1.22	3.89	.72	9.38	6.66	5.44	2.32	66.54	23.02
CHARLOTTE HALL	5.15	1.91	2.91	- .30	5.05	1.74	3.55	- .13	6.86	3.50	3.47	- .09	5.57	.40	8.61	5.04	3.25	.23	5.03	1.78	4.49	1.93	6.45	3.62	60.39	19.63
CHELTENHAM	4.65	.94	2.20	- .61	3.39	.13	2.73	-1.30	6.12	2.59	4.58	.26	3.80	.73	10.54	5.73	4.41	.83	3.37	1.37	4.77	2.03	6.08	2.92	57.64	14.26
CHESTERTOWN	5.96	2.53	3.00	- .03	2.94	- .67	3.23	- .46	7.07	3.46	6.29	2.48	3.07	-1.16	6.05	1.88	1.44	-2.00	2.19	- .91	6.03	3.15	6.80	3.42	54.07	11.69
CHEWESVILLE BRIDGEPORT	3.19	.47	1.24	- .97	3.34	.27	5.00	2.00	3.25	- .78	5.50	1.53	2.67	-1.01	4.77	.92	1.96	-1.13	3.40	1.35	4.00	1.77	5.41	2.86	44.63	7.28
CLEAR SPRING	3.56	.45	2.82	.20	4.40	.79	5.47	1.85	4.68	.90	6.84	2.73	1.73	-2.34	4.87	.68	2.15	- .93	4.16	1.08	4.07	1.68	6.14	3.10	50.89	10.19
COCKEYSVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLEMAN	6.41	2.91	2.70	- .35	3.21	- .40	4.27	- .76	7.96	4.59	6.80	1.30	3.20	-1.23	6.06	1.35	1.85	-1.62	1.61	-1.35	6.59	3.88	5.78	2.39	56.44	14.03
COLLEGE PARK U OF MD	4.81	1.50	1.60	-1.48	5.11	1.55	2.85	- .71	8.04	4.27	6.56	2.72	3.44	- .73	8.81	4.54	2.87	- .57	3.41	.53	6.01	3.34	5.27	2.28	58.78	17.24
CONOWINGO DAM	4.89	1.46	2.18	- .41	4.22	.76	3.96	.55	8.42	3.62	6.58	1.80	1.77	-3.18	4.35	.08	2.43	- .74	2.13	-1.37	5.82	2.61	5.01	1.80	51.76	6.98
CONOWINGO POLICE BRKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRISFIELD	4.54	.89	2.97	- .54	4.81	.55	4.02	- .11	7.37	3.98	3.16	- .34	3.91	-1.20	6.02	1.52	3.33	- .12	5.04	2.16	7.85	5.09	4.04	.95	57.06	13.05
CUMBERLAND	2.77	.26	1.58	- .80	3.40	.36	6.82	3.94	4.62	1.24	3.74	- .14	3.81	.56	3.16	.32	5.33	- .26	3.88	1.37	3.86	1.70	3.85	1.39	46.82	12.49
CUMBERLAND POLICE BRKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALECARLIA RESER DC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DISTRICT HEIGHTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EASTON POLICE BRKS	6.31	3.02	2.65	- .56	4.56	.81	4.03	.65	6.54	3.19	4.43	.63	3.83	- .73	5.10	.65	1.92	-1.47	2.74	- .45	6.14	3.43	5.19	2.16	53.44	11.33
EDGEWATER	3.77	1.17	1.37	- .50	3.16	.08	5.92	2.52	3.87	- .89	5.96	2.11	3.62	- .05	4.19	.30	1.61	-1.53	6.66	1.13	4.85	1.48	5.96	2.96	50.94	10.78
ELKTON	4.55	1.18	2.45	- .52	4.03	.19	3.57	- .13	5.81	4.62	3.98	-1.14	1.73	-2.77	6.47	1.03	2.22	- .99	1.02	-2.38	4.26	1.06	6.27	3.35	49.08	4.60
EMMITTSBURG	5.05	1.78	1.58	-1.47	3.96	.05	5.45	1.80	5.04	.90	5.18	1.09	4.78	.66	-	1.92	-1.80	3.45	-10.70	7.07	3.79	5.13	1.99	-	-	-
FALLSTON	5.15	1.57	2.01	-1.34	3.13	- .66	4.08	.43	8.72	5.07	5.79	1.83	1.79	-2.66	6.58	1.73	2.51	-1.46	2.67	- .77	5.41	2.21	5.02	1.60	52.86	7.55
FORT GEORGE G MEADE	5.85	2.52	1.57	- .96	3.67	- .25	1.88	- .40	7.58	3.39	6.59	3.01	2.34	-2.05	8.84	4.44	2.67	-1.16	3.56	- .15	4.71	1.37	5.81	2.72	55.07	12.48
FREDERICK	4.63	1.49	1.68	-1.22	3.87	.46	5.24	1.69	6.27	2.61	4.77	.57	4.02	- .12	6.02	2.19	2.04	-1.34	3.61	- .68	4.89	2.25	6.12	3.10	53.16	12.60
FREDERICK POLICE BRKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FREDERICK WB AIRPORT	4.24	-	1.72	-	4.82	-	3.93	-	5.84	-	4.54	-	4.16	-	5.32	-	2.09	-	3.11	-	5.34	-	5.39	-	50.50	-
FRIENDSVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FROSTBURG	4.15	.79	2.44	- .16	5.23	1.58	6.14	2.34	4.49	.45	5.41	.67	2.80	- .96	3.34	- .88	3.76	- .59	3.23	.02	5.21	2.73	4.63	1.77	50.83	8.94
GERMANTOWN	4.28	1.25	1.18	-1.56	3.16	.08	2.69	- .51	4.03	.53	6.59	2.97	2.45	-1.18	-	-	-	-	-	-	-	-	-	-	-	-
GLEN ECHO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLENELG	3.83	-	1.86	-	3.23	-	3.27	-	4.85	-	7.63	-	0.94	-	6.60	-	2.58	-	3.12	-	6.31	-	4.87	-	-	-
GLENN DALE BELL STA	5.59	2.02	2.05	- .84	4.04	.48	3.05	- .79	6.73	3.06	7.06	3.41	3.15	-1.18	10.01	5.57	2.85	-1.06	4.32	1.12	5.74	2.73	5.85	3.16	60.44	18.68
GRANTSVILLE NO 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRASONVILLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREAT FALLS	4.44	1.26	2.43	- .26	3.49	.26	2.80	- .39	6.75	3.36	5.50	1.94	2.22	-1.90</												

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

MARYLAND AND DELAWARE
1948

Table 2-Continued

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure	Precip.	Departure
MILFORD	8.64	4.85	2.90	- .56	4.13	.00	3.91	- .27	13.75	10.06	-	-	5.17	.67	4.66	- .31	1.63	-1.92	3.60	.30	7.20	4.27	5.38	1.87	-	-
MILLSBORO	8.58	4.81	2.44	-1.13	4.80	.68	3.21	- .46	10.40	6.93	7.22	3.44	4.85	.06	6.89	1.59	4.19	.51	6.37	2.88	7.51	4.55	6.06	2.48	72.52	26.33
NEWARK PUMPING STATION	4.64	1.24	2.74	- .55	4.09	.35	3.62	.00	6.79	2.95	5.85	1.85	-	-	-	2.30	-	1.53	-	4.58	-	-	-	-	-	-
NEWARK COLLEGE FARM	4.48	1.08	2.86	- .23	3.75	.01	3.83	.21	6.50	2.66	5.48	1.48	2.70	-2.07	3.73	-1.10	2.21	-1.34	4.63	-1.37	8.10	1.66	5.35	1.89	47.38	2.88
SWYRNA	-	-	-	-	-	-	-	-	-	-	2.93	-	2.22	-	4.98	-	1.33	-	2.17	-	-	-	6.95	-	-	-
WILMINGTON WB N CASTLE	-	-	-	-	-	-	3.07	-	7.35	-	5.25	-	1.15	-	4.58	-	1.87	-	1.25	-	4.82	-	5.25	-	-	-
WILMINGTON CITY HALL	4.69	1.16	2.47	- .75	3.50	- .13	3.40	- .17	7.08	3.58	4.49	.50	1.95	-2.81	4.84	- .10	2.24	-1.25	1.50	-1.62	4.81	1.75	4.72	1.30	45.69	1.47
WILMINGTON PORTER RES	4.32	.75	2.21	- .86	3.65	- .19	3.22	- .61	7.47	4.00	4.90	.87	1.87	-3.00	4.19	- .94	2.09	-1.58	1.68	-1.34	4.94	1.79	5.20	1.96	45.74	.85

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
MARYLAND													
ABERDEEN PROVING GROUND	99	8-26	0	1-31+	3-29 (20°)	3-29 (20°)	4-29 (30°)	10-19 (28°)	10-19 (28°)	12- 9 (24°)	255	204	173
ANNAPOLIS U S NAV ACAD	98	8-26	6	1-31	3-13 (24°)	3-13 (24°)	3-29 (30°)	12-10 (30°)	12-11 (27°)	12-25 (18°)	287	273	256
BALTIMORE WB AIRPORT	101	8-26+	5	1-31	3-13 (24°)	3-14 (26°)	3-29 (30°)	12- 9 (31°)	12-19 (28°)	12-25 (17°)	287	280	255
BALTIMORE WB CITY	102	8-27	7	1-31	3-12 (20°)	3-13 (25°)	3-29 (31°)	12-10 (32°)	12-19 (28°)	12-25 (17°)	288	281	256
BALTIMORE HAMILTON BATTERY PARK	-	-	-	-	3-29 (22°)	4-18 (26°)	4-23 (30°)	10-19 (28°)	10-19 (26°)	12-11 (21°)	257	184	179
BELTSVILLE	99	8-29	-6	1-26	3-14 (17°)	4-23 (28°)	4-23 (28°)	10-16 (31°)	10-19 (26°)	12- 1 (24°)	262	179	176
BENSON	-	-	-	-	-	-	-	10-16 (31°)	10-19 (25°)	12- 1 (23°)	-	-	-
BLACKWATER	98	8-26+	-1	1-31	3-13 (24°)	3-29 (28°)	4-23 (32°)	11-12 (31°)	12- 2 (28°)	12-26 (19°)	288	248	203
BRIGHTWOOD DC	-	-	-	-	3-14 (23°)	3-29 (28°)	4-16 (31°)	12- 1 (32°)	12-11 (26°)	12-26 (14°)	287	275	229
BROOKSIDE MANOR	-	-	-	-	3-29 (21°)	4-18 (26°)	4-23 (29°)	10-19 (28°)	10-19 (28°)	12- 1 (24°)	248	184	179
CAMBRIDGE	100	8-28	3	1-26	3-14 (22°)	3-14 (22°)	4-29 (30°)	10-19 (29°)	12- 1 (28°)	12-26 (16°)	287	262	173
CHARLOTTE HALL	96	8-27+	3	1-31	3-13 (18°)	3-29 (25°)	4-23 (31°)	10-19 (29°)	12-11 (21°)	12-11 (21°)	273	257	179
CHELTENHAM	98	8-27	1	1-26+	3-14 (21°)	3-14 (21°)	4-23 (30°)	10-19 (28°)	10-19 (28°)	12-11 (20°)	272	219	179
CHESTERTOWN	99	8-28	2	1-31	3-29 (24°)	3-29 (24°)	4-18 (31°)	10-19 (32°)	12- 2 (27°)	12-11 (24°)	257	248	184
CHEWSVILLE BRIDGEPORT	98	8-27+	-12	1-26	3-29 (22°)	4- 4 (25°)	4-23 (32°)	10-19 (26°)	10-19 (26°)	12- 2 (23°)	248	198	179
CLEAR SPRING	98	8-27+	-5	1-31	3-29 (23°)	4- 4 (27°)	4-23 (31°)	10-19 (36°)	12-19 (26°)	12-21 (24°)	248	198	179
COLEMAN	105	8-28	4	1-31	3-14 (23°)	3-29 (27°)	3-29 (27°)	10-19 (32°)	12-11 (25°)	12-20 (24°)	281	257	204
COLLEGE PARK UNIV OF MD	100	8-28	-4	1-26	3-29 (21°)	4-18 (27°)	4-23 (30°)	10-19 (28°)	10-19 (28°)	12- 2 (24°)	248	184	179
CONOWINGO DAM	97	8-28	-4	1-26	3-29 (23°)	3-29 (23°)	4-18 (31°)	10-19 (29°)	12- 2 (24°)	12- 2 (24°)	248	248	184
CONOWINGO POLICE BRKS	-	-	-	-	-	-	-	10-16 (31°)	10-19 (24°)	10-19 (24°)	-	-	-
CRISFIELD	98	8-27+	8	1-31	3-12 (22°)	3-14 (28°)	3-29 (30°)	12-18 (32°)	12-26 (18°)	12-26 (18°)	289	287	264
CUMBERLAND	101	8-29	-2	1-19+	3-15 (24°)	4- 4 (26°)	4-18 (29°)	10-19 (22°)	10-19 (22°)	10-19 (22°)	218	198	184
CUMBERLAND POLICE BRKS	-	-	-	-	-	-	-	10-16 (30°)	10-19 (19°)	10-19 (19°)	-	-	-
DALECARLIA RESERVOIR DC	-	-	-	-	3-29 (24°)	4-18 (28°)	4-23 (32°)	10-19 (30°)	12- 1 (26°)	12-11 (21°)	257	227	179
DISTRICT HEIGHTS	-	-	-	-	3-29 (22°)	3-29 (22°)	4-23 (31°)	10-19 (30°)	12- 2 (28°)	12-11 (23°)	257	249	179
EASTON POLICE BRKS	99	8-27	-1	1-26	3-29 (24°)	3-29 (24°)	4-29 (31°)	10-19 (30°)	11-30 (28°)	12-11 (23°)	257	246	173
ELKTON	101	8-28	-2	2- 7	4-18 (24°)	4-18 (24°)	4-29 (30°)	10-19 (26°)	10-19 (26°)	12- 2 (22°)	228	184	173
EMMITSBURG	96	8-26+	3	1-31	3-14 (24°)	3-29 (28°)	4-23 (31°)	10-19 (30°)	12- 2 (28°)	12-11 (22°)	272	248	179
FALLSTON	98	8-28	1	1-31	3-29 (23°)	3-29 (23°)	4-18 (30°)	10-19 (29°)	12- 9 (27°)	12-11 (23°)	257	255	184
FORT GEORGE G MEADE	100	8-27+	-7	1-26	3-29 (18°)	4-18 (26°)	4-22 (32°)	10-16 (32°)	10-19 (27°)	12- 1 (23°)	247	184	177
FREDERICK	100	8-27	-8	1-31	4- 4 (24°)	4-23 (27°)	4-23 (27°)	10-16 (30°)	10-21 (23°)	10-21 (23°)	200	181	176
FREDERICK POLICE BRKS	-	-	-	-	-	-	-	10-19 (30°)	11-30 (28°)	12-11 (24°)	-	-	-
FREDERICK WB AIRPORT	99	8-27	-4	1-31	3-29 (23°)	4-18 (28°)	4-18 (28°)	10-19 (29°)	10-21 (28°)	12-11 (22°)	257	186	184
FRIENDSVILLE	-	-	-	-	-	-	-	9-27 (31°)	10-21 (23°)	10-21 (23°)	-	-	-
FROSTBURG	95	8-26+	-8	1-19	4- 4 (24°)	4-18 (28°)	4-23 (32°)	10-18 (31°)	10-19 (21°)	10-19 (21°)	198	184	178
GERMANTOWN	-	-	-	-	3-29 (22°)	4- 4 (28°)	4-18 (31°)	11-12 (32°)	11-16 (28°)	-	-	226	208
GLENN DALE BELL STATION	100	8-27	-9	1-25+	4-18 (24°)	4-23 (26°)	4-23 (26°)	10-16 (31°)	10-19 (24°)	10-19 (24°)	184	179	176
GRASONVILLE	-	-	-	-	-	-	-	12- 7 (31°)	12-19 (27°)	12-25 (24°)	-	-	-
GREAT FALLS	99	8-27	-4	1-26+	3-28 (21°)	4-18 (27°)	4-23 (31°)	10-19 (28°)	10-19 (28°)	12- 2 (24°)	249	184	179
GROSVENOR LANE	-	-	-	-	3-29 (20°)	4-23 (28°)	4-23 (28°)	10-16 (32°)	10-19 (26°)	12- 1 (24°)	248	179	176
HAGERSTOWN	100	8-28	2	2- 7+	3-14 (24°)	3-28 (28°)	4-18 (31°)	10-19 (28°)	10-19 (28°)	12-11 (20°)	272	205	184
HANCOCK FRUIT LAB	102	8-29	-15	1-26	4-18 (24°)	4-18 (24°)	4-30 (32°)	10-16 (30°)	10-20 (28°)	10-19 (22°)	184	181	169
HUNTINGTOWN	97	8-28	0	1-31	4-18 (24°)	4-18 (24°)	4-23 (29°)	10-19 (27°)	10-19 (27°)	12-11 (19°)	237	184	179
KEDYSVILLE	102	8-27+	-15	1-26	4- 4 (24°)	4-18 (27°)	4-23 (32°)	10-19 (24°)	10-19 (24°)	10-19 (24°)	198	184	179
LA PLATA	-	-	2	1-31	3-13 (16°)	3-29 (25°)	4-23 (29°)	10-19 (27°)	10-19 (27°)	12-11 (18°)	273	204	179
LEONARDTOWN	-	-	-	-	-	-	-	10-19 (31°)	12- 1 (28°)	12-11 (21°)	-	-	-
MARYLAND LINE	99	8-26+	-1	1-31	3-29 (21°)	3-29 (21°)	4-18 (30°)	10-19 (29°)	12- 2 (28°)	12-11 (22°)	257	248	184
MILLINGTON	100	8-28	-2	1-26+	3-29 (21°)	3-29 (21°)	4-23 (30°)	10-19 (26°)	10-19 (26°)	12- 2 (23°)	248	204	179
NATIONAL ARBORETUM DC	-	-	-	-	3-29 (24°)	4-18 (28°)	4-23 (30°)	10-19 (30°)	12- 1 (28°)	12-11 (23°)	257	227	179
OAKLAND	95	8-27	-20	1-19	4- 4 (19°)	4-17 (28°)	5-20 (32°)	9-27 (29°)	10-30 (24°)	10-30 (24°)	209	196	130
OWINGS FERRY LANDING	99	8-28	0	1-31	3-29 (24°)	3-29 (24°)	4- 4 (30°)	10-19 (29°)	11-30 (28°)	12-11 (20°)	257	246	198
OXFORD	92	8-29+	4	1-31	3-12 (24°)	3-14 (25°)	3-29 (30°)	12- 1 (31°)	12-19 (28°)	12-26 (18°)	289	280	247
PICARDY	99	8-27	-4	1-31	3-29 (20°)	3-29 (20°)	4-18 (29°)	10-16 (30°)	10-19 (24°)	10-19 (24°)	204	204	181
PIKESVILLE POLICE BRKS	-	-	-	-	-	-	-	10-19 (29°)	11-30 (28°)	12-11 (21°)	-	-	-
PRETTOY DAM	97	8-27	-1	1-31	3-29 (21°)	4-10 (28°)	4-18 (29°)	10-19 (28°)	10-19 (28°)	12-11 (22°)	257	192	184
RANDALLSTOWN POLICE BRKS	-	-	-	-	-	-	-	10-21 (29°)	12- 2 (25°)	12-11 (20°)	-	-	-
RIDGELY	-	-	-	-	-	-	-	10-19 (28°)	10-19 (28°)	12-11 (22°)	-	-	-
RIVERDALE	-	-	-	-	3-29 (20°)	4-23 (28°)	4-23 (28°)	10-16 (31°)	10-21 (26°)	12- 1 (24°)	248	181	176
ROCK HALL	-	-	-	-	-	-	-	10-19 (29°)	10-30 (28°)	12- 2 (23°)	-	-	-
ROCKVILLE	-	-	-	-	-	-	-	10-19 (30°)	12-10 (28°)	12-11 (22°)	-	-	-
ROYAL OAK	-	-	-	-	-	-	-	10-19 (31°)	12- 2 (28°)	12-26 (22°)	-	-	-
SALISBURY	-	-	-	-	3-14 (20°)	3-29 (26°)	4-18 (31°)	10-19 (29°)	12- 1 (26°)	12-11 (23°)	272	247	184
SALISBURY POLICE BRKS	-	-	-	-	-	-	-	10-19 (29°)	12- 1 (27°)	12-11 (24°)	-	-	-
SALISBURY MUNICIPAL APT	-	-	-	-	-	-	-	10-19 (29°)	12- 1 (27°)	12-11 (22°)	-	-	-
SINES DEEP CREEK	-	-	-	-	4-10 (21°)	4-18 (27°)	5-20 (30°)	10-18 (24°)	10-18 (24°)	10-18 (24°)	191	183	151
SNOW HILL	-	-	-	-	3-14 (20°)	4- 4 (28°)	4-29 (30°)	12- 1 (27°)	12- 1 (27°)	12-11 (23°)	272	241	216
SOLOMONS	98	8-27	10	1-31	3- 6 (22°)	3-14 (27°)	3-29 (30°)	12-11 (29°)	12-26 (16°)	12-26 (16°)	295	287	257
TAKOMA PARK BALTO AVE	97	8-28	1	1-31	3-14 (22°)	3-29 (26°)	4-18 (32°)	10-19 (23°)	12- 2 (28°)	12-11 (23°)	272	248	184
TAKOMA PARK MISS AVE	98	8-27	0	1-31	3-29 (22°)	4- 4 (28°)	4-23 (31°)	10-19 (29°)	12- 1 (26°)	12-11 (22°)	257	241	179
TONOLOWAY	103	8-26	-12	1-26	4-18 (24°)	4-18 (24°)	4-30 (31°)	10-19 (31°)	10-21 (24°)	10-21 (24°)	186	186	172
TOWSON	-	-	-	-	-	-	-	10-19 (27°)	12- 2 (23°)	12- 2 (23°)	-	-	-
UNIONVILLE	98	8-26	-14	1-26	4-18 (22°)	4-18 (22°)	4-30 (29°)	10-15 (31°)	10-19 (23°)	10-19 (23°)	184	184	168
U S SOLDIERS HOME D C	-	-	-	-	3-13 (19°)	3-29 (25°)	4-16 (32°)	10-19 (30°)	12-24 (28°)	10-26 (11°)	288	270	180
WALDORF	-	-	-	-	-	-	-	10-16 (32°)	10-19 (27°)	12-10 (14°)	-	-	-
WASHINGTON WB CITY DC	100	8-27+	5	1-31	3-13 (23°)	3-13 (23°)	3-29 (29°)	12- 1 (31°)	12-11 (27°)	12-25 (18°)	282	273	247
WATERLOO POLICE BRKS	-	-	-	-	-	-	-	10-19 (28°)	10-19 (28°)	12- 2 (23°)	-	-	-
WEST LANHAM HILLS	-	-	-	-	3-29 (21°)	4-18 (28°)	4-23 (29°)	10-19 (28°)	10-19 (28°)	12- 2 (20°)	257	184	181
WESTERN PORT	101	8-27+	-3	1-26+	4- 4 (22°)	4- 4 (22°)	4-18 (30°)	10-19 (23°)	10-19 (23°)	10-19 (23°)	198	198	184
WESTMINSTER	98	8-27+	-2	1-31	3-29 (20°)	4-18 (26°)	4-23 (31°)	10-19 (25°)	10-19 (25°)	10-19 (25°)	204	184	178
WHITE HALL	-	-	-	-	-	-	-	10-19 (27°)	10-19 (27°)	10-21 (28°)	-	-	-
WOODSTOCK COLLEGE	100	8-27+	-13	1-26	4-18 (24°)	4-30 (28°)	4-30 (28°)	10-16 (30°)	10-21 (28°)	11-26 (24°)	222	174	169

TEMPERATURE EXTREMES AND FREEZE DATA

MARYLAND AND DELAWARE
1948

Table 3-Continued.

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
DELAWARE													
BRIDGEVILLE	98	8-27	0	1-19+	3-14 (19°)	3-29 (25°)	4-29 (29°)	10-19 (30°)	12- 1 (27°)	12-25 (24°)	286	247	173
DELAWARE CITY REEDY PT	-	-	-	-	3-29 (24°)	3-29 (24°)	4- 4 (32°)	-	-	12-11 (24°)	257	-	-
DOVER	99	8-26	2	1-31	3-14 (20°)	4-23 (28°)	4-29 (30°)	10-19 (31°)	12- 2 (27°)	12-11 (24°)	272	223	173
GEORGETOWN	99	8-27	- 1	1-31	3-29 (23°)	4-18 (26°)	4-30 (32°)	10-16 (32°)	11-16 (27°)	12- 1 (24°)	247	212	169
LEWES	97	8-28+	9	1-26+	3-14 (19°)	3-14 (19°)	4-29 (29°)	10-19 (31°)	12- 1 (26°)	12-11 (23°)	272	262	173
MILFORD	101	8-26+	1	1-31	3-14 (20°)	3-29 (26°)	4-29 (30°)	10-19 (29°)	12- 1 (27°)	12-11 (23°)	272	247	173
MILLSBORO	100	8-28	2	1-31	3-14 (19°)	4-29 (28°)	4-29 (28°)	10-16 (32°)	11-12 (28°)	12- 1 (24°)	262	197	170
NEWARK COLLEGE FARM	98	8-27	- 3	2- 7	3-29 (22°)	3-29 (22°)	4-30 (32°)	10-16 (30°)	10-19 (25°)	12- 1 (24°)	247	204	169
SMYRNA	-	-	-	-	-	-	-	10-19 (30°)	12- 1 (28°)	12- 1 (23°)	-	-	-
WILMINGTON WB N CASTLE	-	-	-	-	-	-	-	10-19 (29°)	12- 1 (27°)	12-11 (24°)	-	-	-
WILMINGTON PORTER RES	97	8-27+	2	1-31	3-29 (24°)	3-29 (24°)	4-18 (32°)	10-19 (29°)	12- 2 (26°)	12-20 (21°)	266	248	184

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Departure fr. normal
BELTSVILLE	EVAP WIND					5.636 2369	6.076 965	6.947 1248	6.218b 1328	4.304 940	3.120b 1720	2.632b 1692			

STATION INDEX

MARYLAND AND DELAWARE

1948

Station	Former station name	Index No.	County	Drainage	Latitude	Longitude	Elevation above mean sea level (feet)	Years of record			Opened or closed during year		Refer to tables
								Temperature	Precipitation	Evaporation	Month opened	Month closed	
DELAWARE													
BRIDGEVILLE	BRIDGEVILLE 1 MI W	1330	SUSSEX	CHESAPEAKE	38 44	75 38	45	58	58				1 2 3
DELAWARE CITY REEDY POINT	DELAWARE CITY 1 MI SW	2625	NEW CASTLE	COASTAL	39 34	75 35	10	62	62				1 2 3
DOVER		2730	KENT	COASTAL	39 10	75 32	34	61	61				1 2 3
GEORGETOWN		3570	SUSSEX	CHESAPEAKE	38 39	75 27	50	3	3				1 2 3
LEWES		5320	SUSSEX	COASTAL	38 46	75 08	10	4	4				1 2 3
MILFORD		5915	SUSSEX	COASTAL	38 55	75 25	20	53	53				1 2 3
MILLSBORO		6020	SUSSEX	COASTAL	38 55	75 19	20	56	56				1 2 3
NEWARK PUMPING STATION	NEWARK	6405	NEW CASTLE	COASTAL	39 40	75 45	110	17	17				2
NEWARK COLLEGE FARM	NEWARK 1 MI SW	6410	NEW CASTLE	COASTAL	39 39	75 46	110	36	36				1 2 3
SMYRNA		8510	KENT	COASTAL	39 15	75 36	45	1	1		JUNE		1 2 3
WILMINGTON WB NEW CASTLE	WILMINGTON	9595	NEW CASTLE	COASTAL	39 40	75 36	73	1	1				1 2 3
WILMINGTON CITY HALL	WILMINGTON	9600	NEW CASTLE	COASTAL	39 45	75 33	99		55				2
WILMINGTON PORTER RESERVOIR	WILMINGTON 2 MI NE	9605	NEW CASTLE	COASTAL	39 46	75 32	260	37	37				1 2 3
DISTRICT OF COLUMBIA													
BRIGHTWOOD		1135		POTOMAC	38 57	77 01	260	2	2				1 3
DALECARLIA RESERVOIR		2325		POTOMAC	38 56	77 07	146	3	3				1 2 3
NATIONAL ARBORETUM		6350		POTOMAC	38 54	76 58	70	3	3				1 2 3
U S SOLDIERS HOME		9035		POTOMAC	38 56	77 01	230	4	4				1 2 3
WASHINGTON WB CITY		9290		POTOMAC	38 54	77 03	72	78	78				1 2 3
MARYLAND													
ABERDEEN PROVING GROUND	ABERDEEN 4 MI SE	0015	HARFORD	CHESAPEAKE	39 28	76 10	62	30	30				1 2 3
ANNAPOLIS U S NAVAL ACADEMY	ANNAPOLIS	0185	ANNE ARUNDEL	CHESAPEAKE	38 59	76 28	40	83	83				1 2 3
BALTIMORE WB AIRPORT		0465	BALTIMORE	CHESAPEAKE	39 15	76 32	16	14	14				1 2 3
BALTIMORE WB CITY	BALTIMORE (CENTRAL)	0470	BALTIMORE	CHESAPEAKE	39 17	76 37	14	78	78				1 2 3
BALTIMORE HAMILTON		0475	BALTIMORE	CHESAPEAKE	39 23	76 33	555	1	1		JULY		1 2 3
BATTERY PARK		0565	MONTGOMERY	POTOMAC	39 00	77 07	338	3	3				1 2 3
BELTSVILLE	BELTSVILLE 1 MI ESE	0700	PRINCE GEORGES	POTOMAC	39 02	76 53	120	11	11	8			1 2 3 4
BENSON POLICE BARRACKS		0732	HARFORD	CHESAPEAKE	39 30	76 23	365	1	1		MAR		1 2 3
BETHESDA		0795	MONTGOMERY	POTOMAC	38 58	77 07	220		4				2
BLACKWATER		0915	DORCHESTER	CHESAPEAKE	38 26	76 08	5	8	8	8			1 2 3
BRIGHTON DAM		1125	MONTGOMERY	PATUXENT	39 12	77 01	320		3				2
BROOKDALE		1170	MONTGOMERY	POTOMAC	38 57	77 06	260		3				2
BROOKSIDE MANOR		1180	PRINCE GEORGES	POTOMAC	38 58	76 58	50	3	3				1 2 3
BURNT MILLS RESERVOIR		1278	MONTGOMERY	POTOMAC	39 02	77 00	220		3				2
CAMBRIDGE		1385	DORCHESTER	CHESAPEAKE	38 34	76 09	15	54	54				1 2 3
CHARLOTTE HALL	CHARLOTTE HALL 2-1/2 MI E	1685	ST MARYS	PATUXENT	38 28	76 44	167	27	27				1 2 3
CHELTENHAM	CHELTENHAM 1-1/4 MI NW	1710	PRINCE GEORGES	PATUXENT	38 44	76 51	230	48	48				1 2 3
CHESTERTOWN		1750	KENT	CHESAPEAKE	39 13	76 04	35	43	43				1 2 3
CHEWSVILLE BRIDGEPORT	CHEWSVILLE 3/4 MI SE	1790	WASHINGTON	POTOMAC	39 38	77 44	560	51	51				1 2 3
CLEAR SPRING	CLEAR SPRING 1-1/4 MI NE	1890	WASHINGTON	POTOMAC	39 40	77 54	560	49	49				1 2 3
COCKEYSVILLE		1960	BALTIMORE	CHESAPEAKE	39 27	76 39	390		7				2
COLEMAN	COLEMAN 3 MI NW	1980	KENT	CHESAPEAKE	39 21	76 07	80	51	51				1 2 3
COLLEGE PARK UNIV OF MD	COLLEGE PARK	1995	PRINCE GEORGES	POTOMAC	38 59	76 56	95	62	62				1 2 3
COLLEGE PARK SCS		2000	MONTGOMERY	POTOMAC	39 03	76 57	309		9				2
CONOWINGO DAM		2060	HARFORD	SUSQUEHANNA	39 39	76 10	40	13	13				1 2 3
CONOWINGO POLICE BARRACKS		2065	HARFORD	SUSQUEHANNA	39 39	76 11	195	1	1	MARCH			1 2 3
CRISFIELD		2205	SOMERSET	CHESAPEAKE	37 59	75 51	5	29	29				1 2 3
CUMBERLAND		2280	ALLEGANY	POTOMAC	39 39	78 48	623	78	78				1 2 3
CUMBERLAND POLICE BARRACKS		2285	ALLEGANY	POTOMAC	39 40	78 47	880	1	1	MARCH			1 2 3
DISTRICT HEIGHTS		2585	PRINCE GEORGES	POTOMAC	38 51	76 54	272	3	3				1 2 3
EASTON POLICE BARRACKS	EASTON	2700	TALBOT	CHESAPEAKE	38 46	76 01	60	58	58				1 2 3
EDGEMONT	EDGEMONT 1 MI SW	2770	WASHINGTON	POTOMAC	39 40	77 33	920		10				2
ELKTON		2860	CECIL	CHESAPEAKE	39 36	75 50	28	22	22				1 2 3
EMMITSBURG	EMMITSBURG 2-1/2 MI SW	2905	FREDERICK	POTOMAC	39 41	77 21	720	82	82				1 2 3
FALLSTON		3050	HARFORD	CHESAPEAKE	39 30	76 24	450	79	79				1 2 3
FORT GEORGE G MEADE		3230	ANNE ARUNDEL	PATUXENT	39 07	76 46	195	7	7				1 2 3
FREDERICK		3345	FREDERICK	POTOMAC	39 25	77 25	297	79	79				1 2 3
FREDERICK POLICE BARRACKS		3348	FREDERICK	POTOMAC	39 25	77 25	380	1	1	MARCH			1 2 3
FREDERICK WB AIRPORT		3350	FREDERICK	POTOMAC	39 25	77 23	294	5	5				1 2 3
FRIENDSVILLE		3400	GARRETT	YOUGHIOGHENY	39 40	79 25	1980	26	26				1 2 3
FROSTBURG		3410	ALLEGANY	POTOMAC	39 39	78 55	2100	47	47				1 2 3
GERMANTOWN		3585	MONTGOMERY	POTOMAC	39 10	77 23	460	28	28				1 2 3
GLEN ECHO		3645	MONTGOMERY	POTOMAC	38 58	77 09	150		4				2
GLENELG		3655	HOWARD	PATUXENT	39 16	76 59	630	2	2				1 2
GLENN DALE BELL STATION	BELL	3675	PRINCE GEORGES	PATUXENT	38 58	76 48	151	28	28			SEPT	1 2 3
GRANTSVILLE		3795	GARRETT	OHIO	39 42	79 09	2300		6		JUNE		2
GRASONVILLE		3805	QUEEN ANNES	CHESAPEAKE	38 57	76 13	8	1	1				1 2 3
GREAT FALLS		3855	MONTGOMERY	POTOMAC	39 00	77 15	200	60	60				1 2 3
GROSVENOR LANE		3930	MONTGOMERY	POTOMAC	39 01	77 09	330	2	2				1 2 3
HAGERSTOWN		3975	WASHINGTON	POTOMAC	39 39	77 44	660	7	7				1 2 3
HANCOCK	HANCOCK NO 1	4025	WASHINGTON	POTOMAC	39 42	78 11	540		39				2
HANCOCK FRUIT LABORATORY	HANCOCK NO 2	4030	WASHINGTON	POTOMAC	39 42	78 11	428	15	15				1 2 3
HUNTINGTON		4485	CALVERT	CHESAPEAKE	38 37	76 37	160	13	13				1 2 3
KEEDYSVILLE		4780	WASHINGTON	POTOMAC	39 29	77 42	420	45	45				1 2 3
LA PLATA		5080	CHARLES	POTOMAC	38 32	76 58	190	34	34				1 2 3
LEONARDTOWN		5200	ST MARYS	POTOMAC	38 18	76 38	100	14	14				1 2 3
LUKE		5530	ALLEGANY	POTOMAC	39 29	79 03	950		11				2
MARYLAND LINE		5715	BALTIMORE	CHESAPEAKE	39 43	76 39	840	24	24				1 2 3
MILLINGTON		5985	KENT	CHESAPEAKE	39 15	75 50	27	51	51				1 2 3
OAKLAND	OAKLAND 1 MI SE	6620	GARRETT	MONONGAHELA	39 24	79 24	2420	51	51				1 2 3
OWINGS FERRY LANDING		6770	CALVERT	CHESAPEAKE	38 42	76 41	120	32	32				1 2 3
OXFORD		6785	TALBOT	CHESAPEAKE	38 42	76 10	10	12	12				1 2 3
PATUXENT RIVER		6915	ST MARYS	COASTAL	38 17	76 24	74		5				2
PERRY POINT		6980	CECIL	CHESAPEAKE	39 34	76 04	40		8				2
PICARDY	PICARDY 3 MI NE	7010	ALLEGANY	POTOMAC	39 33	78 30	1030	22	22				1 2 3

See reference notes following Station Index.

STATION INDEX

Continued.

Station	Former station name	Index No.	County	Drainage	Latitude	Longitude	Elevation above mean sea level (feet)	Years of record			Opened or closed during year		Refer to tables
								Temperature	Precipitation	Evaporation	Month opened	Month closed	
PIKESVILLE POLICE BARRACKS		7015	BALTIMORE	PATAPSCO	39 22	76 43	485	1	1		MAR		1 2 3
PRETTYBOY DAM		7315	BALTIMORE	CHESAPEAKE	39 38	76 42	780	18	18				1 2 3
RANDALLSTOWN POLICE BARRACKS		7435	BALTIMORE	PATAPSCO	39 23	76 48	625	1	1		MAR		1 2 3
RIDGELY		7575	CAROLINE	CHESAPEAKE	38 57	75 53	67	58	58				1 2 3
RIVERDALE		7615	PRINCE GEORGES	POTOMAC	38 58	76 56	45	3	3				1 2 3
ROCK HALL		7700	KENT	CHESAPEAKE	39 08	76 14	15	35	35				1 2 3
ROCKVILLE		7705	MONTGOMERY	POTOMAC	39 05	77 09	440	1	1		JUNE		1 2 3
ROYAL OAK		7806	TALBOT	CHESAPEAKE	38 43	76 11	10	1	1		AUG		1 2 3
SALISBURY		8000	WICOMICO	CHESAPEAKE	38 22	75 37	10	42	42				1 2 3
SALISBURY POLICE BARRACKS		8003	WICOMICO	CHESAPEAKE	38 25	75 34	42	1	1		MAR		1 2 3
SALISBURY MUNICIPAL AIRPORT		8005	WICOMICO	CHESAPEAKE	38 20	75 30	46	1	1		JULY		1 2 3
SAVAGE RIVER DAM		8065	GARRETT	POTOMAC	39 30	79 08	1460		2				2
SHARPTOWN		8210	WICOMICO	CHESAPEAKE	38 33	75 43	10		7				2
SINES DEEP CREEK		8315	GARRETT	YOUNGHIOPHENY	39 31	79 25	2030	24	24				1 2 3
SNOW HILL		8380	WORCESTER	CHESAPEAKE	38 11	75 24	18	33	33				1 2 3
SOLOMONS		8405	CALVERT	CHESAPEAKE	38 19	76 27	20	57	57				1 2 3
TAKOMA PARK BALTO AVE	TAKOMA PARK NO 1	8720	MONTGOMERY	POTOMAC	38 59	77 01	320	50	50				1 2 3
TAKOMA PARK MISS AVE	TAKOMA PARK NO 2	8725	MONTGOMERY	POTOMAC	38 59	77 00	230	4	4				1 2 3
TONOLOWAY		8855	WASHINGTON	POTOMAC	39 40	78 12	550	24	24				1 2 3
TOWSON		8877	BALTIMORE	PATAPSCO	39 24	76 36	415	11	36				1 2 3
UNIONVILLE		9030	FREDERICK	POTOMAC	39 28	77 11	450	9	7				1 2 3
WALDORF POLICE BARRACKS		9195	CHARLES	POTOMAC	38 39	76 53	210	1	1		MAR		1 2 3
WATERLOO POLICE BARRACKS		9314	HOWARD	PATAPSCO	39 10	76 47	230	1	1		MAR		1 2 3
WEST LANHAM HILLS		9400	PRINCE GEORGES	POTOMAC	38 57	76 53	165	1	1		APR		1 2 3
WESTERN PORT		9405	ALLEGANY	POTOMAC	39 29	79 02	1000	55	55				1 2 3
WESTMINSTER		9435	CARROLL	CHESAPEAKE	39 35	77 00	770	39	39				1 2 3
WHITE HALL		9507	BALTIMORE	CHESAPEAKE	39 37	76 38	350		2				1 2 3
WILLIAMSPORT	WILLIAMSPORT 2 MI NW	9570	WASHINGTON	POTOMAC	39 37	77 51	360		10				2
WILLIS SCHOOL FILTRA PLANT		9579	PRINCE GEORGES	PATUXENT	39 06	76 54	400		3				2
WOODSTOCK COLLEGE	WOODSTOCK	9750	BALTIMORE	CHESAPEAKE	39 20	76 53	415	79	79				1 2 3

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 4.

The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state.

Delayed data and corrections will be carried only in the June and December issues of Climatological Data.

- No record.

+ Also later dates or months.

M 1 to 10 days' record missing; see monthly Climatological Data for detailed daily record.

The subscription price for this bulletin is 15 cents per copy or \$1.50 a year. (Yearly subscription includes the annual summary). Correspondence regarding subscriptions should be addressed to Weather Records Processing Center, Federal Building, Albany 1, N.Y.

W.R.P.C., Albany, N.Y.---6-10-49--1375