

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JANUARY 1949

Volume LIII No. 1



ALBANY, 1949

MARYLAND AND DELAWARE - JANUARY 1949

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

GENERAL SUMMARY

Although this was the second successive January with precipitation well above normal, the mean temperatures of January 1948 and 1949 provided a sharp contrast. January 1948 had a mean temperature 6.5 degrees below normal and was the second coldest January since 1918. January 1949 was 8.2 degrees above normal, the fourth warmest mid-winter month in more than fifty years. All areas reported temperatures from six to ten degrees above normal and deviations of more than one degree from the average departure were limited to a few scattered areas. The warmest periods were from the 5th through the 11th and from the 15th through the 28th, except for a few one to two day periods of near normal temperatures. The warmest days were generally near the 8th, 17th, 19th and 28th. The coldest day was the 30th when lowest temperatures ranged from 26 degrees at Pocomoke City and Crisfield to 1 degree above zero at Sines (Deep Creek).

Precipitation was two or more inches above normal in most of the two-state area. Crisfield and Pocomoke City were the only stations reporting amounts less than normal while Wicomico and the remainder of Somerset and Worcester Counties and portions of Dorchester County of Maryland and Sussex County of Delaware had precipitation amounts less than one inch above normal. Precipitation exceeded the normal by the greatest amounts near the Susquehanna River and in western Garrett County. Except for heavy rain on the 5th-6th, precipitation was light and infrequent during the first seventeen days of the month. From the eighteenth to the end of the month, precipitation was frequent, occurring on about twelve of the last fourteen days and resulted in some local flooding.

Snowfall over both states was deficient. Delaware totals averaged about one half of normal, while the average amount in Maryland was about sixty percent of normal. Except in and near Garrett County, practically all the snow fell on the 12th and 31st. Light snow fell on most of Delaware and Cecil County of Maryland on the first. However, the periods of snow were followed by warming trends which changed the falling snow to rain or melted it quickly after it reached the ground.

Vegetation was dormant in most of the two-state area, although there was a little growth in winter grains and grasses in eastern sections during the warmer periods. Winter grains and grasses were in good condition during the month. Farm operations were hindered considerably during the last two weeks by the frequent precipitation.

TEMPERATURE

The monthly temperature for the section was 41.4 degrees, 8.2 degrees above normal; for Maryland and the District of Columbia, 41.4 degrees, 8.4 degrees above normal; and for Delaware, 41.9 degrees, 7.8 degrees above normal.

For Maryland and the District of Columbia, the monthly mean temperature varied from 47.0 degrees at Crisfield to 36.2 degrees at Sines (Deep Creek). The highest temperature was 74 degrees on the 28th at La Plata and the lowest was 1 degree above zero on the 30th at Sines (Deep Creek). The greatest local monthly temperature range was 61 degrees at Cumberland Police Barracks, ranging from 69 degrees on the 24th to 8 degrees on the 30th. The least local monthly temperature range was 33 degrees at Crisfield, ranging from 59 degrees on the 6th to 26 degrees on the 30th.

For Delaware, the monthly mean temperature varied from 43.4 degrees at Bridgeville, Millsboro and Milford to 39.0 degrees at Wilmington (Porter Reservoir). The highest temperature was 70 degrees on the 28th at Lewes and the lowest was 18 degrees on the 30th at Newark (College Farm) and at Dover. The greatest local monthly temperature range was 52 degrees at Dover, having a high reading of 70 degrees on the 28th and a low reading of 18 degrees on the 30th. The least local monthly temperature range was 42 degrees at Wilmington (Porter Reservoir), having a high reading of 61 degrees on the 19th and a low reading of 19 degrees on the 30th.

PRECIPITATION

The monthly average for the section was 5.30 inches, 2.02 inches above normal; for Maryland and the District of Columbia, 5.29 inches, 2.05 inches above normal; and for Delaware, 5.36 inches, 1.77 inches above normal. For Maryland and the District of Columbia, it was greatest at Oakland with 7.35 inches and least at Woodstock College with 1.74 inches. The greatest 24 hour rainfall was 2.15 inches on the 22nd at La Plata. For Delaware, the monthly precipitation was greatest at Newark (College Farm) with 6.23 inches and least at Millsboro with 3.99 inches. The greatest 24 hour rainfall was 1.72 inches on the 22nd at Bridgeville.

SNOWFALL

The monthly average snowfall for the entire section was 4.1 inches. For Maryland and the District of Columbia, the greatest monthly snowfall was 11.0 inches at Frostburg and the greatest depth was 9 inches on the 31st at Westernport. For Delaware, the greatest monthly snowfall was 7.0 inches at Newark (College Farm). The greatest depth was 7 inches on the 31st at Newark (College Farm).

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.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

MARYLAND AND
DELAWARE

JANUARY 1949

STATIONS	SEA LEVEL PRESSURE EXTREMES—INCHES				WIND				RELATIVE HUMIDITY AVERAGES				SUN- SHINE	DEGREE DAYS 65° BASE
	HIGHEST	DATE	LOWEST	DATE	AVERAGE SPEED M.P.H.	MAXIMUM SPEED M.P.H.	DIRECTION	DATE	1:30A EST	7:30A EST	1:30P EST	7:30P EST	PERCENT OF POSSIBLE	
ABERDEEN PROV GROUND, MD	30.68	21	29.28	1	-	-	-	-	87	90	78	84	-	-
ANNAPOLIS NAVAL ACAD, MD	30.74	21	29.41	1	5.9	-	-	-	85	86	77	82	-	-
BALTIMORE WB CITY, MD	30.74	21	29.38	1	9.9	56	NW	6	73†	75†	65†	69†	34	702
WASHINGTON WB CITY DC	30.73	20	29.45	1	7.5	30	W	1	82†	84†	68†	68†	33	694

† Airport Data

TABLE 1
COMPARATIVE DATA

MARYLAND							DELAWARE						
YEAR	TEMP., °F.			PRECIP., INCHES			YEAR	TEMP., °F.			PRECIP., INCHES		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL DAYS WITH 0.1 IN. OR MORE			MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL DAYS WITH 0.1 IN. OR MORE	
1895	29.5	66	-17	4.35	13.4	11	1895	31.6	65	7	5.09	6.8	12
1896	32.0	66	-13	1.82	1.0	4	1896	32.0	65	4	1.62	0.6	5
1897	29.1	66	-12	1.94	8.1	7	1897	31.7	64	3	2.00	10.3	6
1898	35.3	72	-2	3.60	5.8	11	1898	36.7	66	15	3.25	0.8	11
1899	31.9	70	-24	3.30	5.7	10	1899	34.8	65	-1	3.65	7.8	11
1900	33.6	69	-8	2.34	1.8	7	1900	34.3	62	6	3.34	1.5	6
1901	32.5	68	-4	2.68	8.5	7	1901	33.5	68	6	2.94	5.5	5
1902	29.8	59	-7	3.52	10.2	8	1902	31.5	64	8	3.64	5.2	8
1903	31.4	62	-6	4.02	6.7	9	1903	33.6	60	8	3.73	4.2	8
1904	25.7	64	-20	2.59	15.3	10	1904	28.6	63	-10	2.05	8.1	10
1905	28.6	69	-14	3.66	17.0	11	1905	29.5	63	-6	4.14	19.3	10
1906	38.7	75	-6	2.85	2.3	10	1906	40.2	76	5	3.08	2.0	11
1907	35.6	76	-19	3.18	6.2	12	1907	37.5	77	3	2.36	3.6	12
1908	32.6	63	-21	3.24	7.1	8	1908	34.3	63	5	3.37	6.1	8
1909	34.9	69	-3	2.74	6.1	10	1909	38.1	71	10	2.84	4.1	9
1910	31.9	69	-12	4.38	12.9	12	1910	33.5	65	6	4.07	3.0	10
1911	36.7	76	-5	3.96	4.3	12	1911	38.6	68	11	4.14	2.6	11
1912	23.7	60	-40	2.59	15.5	10	1912	26.5	59	-4	3.48	15.9	11
1913	41.5	74	8	3.17	1.6	13	1913	44.3	71	22	3.23	T	12
1914	35.9	76	-14	3.95	4.2	7	1914	37.6	74	0	3.20	0.1	6
1915	33.7	66	-10	5.90	6.7	12	1915	37.2	67	15	5.65	1.5	12
1916	37.9	74	-11	1.77	3.2	11	1916	38.8	73	1	1.60	3.1	9
1917	33.3	66	0	3.07	4.4	11	1917	34.0	64	9	3.02	1.5	9
1918	21.2	61	-30	4.24	24.0	10	1918	22.9	58	-9	4.25	21.7	10
1919	36.0	66	-19	3.42	2.7	7	1919	37.2	65	2	3.94	1.1	8
1920	27.8	64	-10	2.40	2.9	10	1920	28.2	64	5	2.95	2.1	11
1921	35.5	70	-5	2.27	1.5	8	1921	37.1	66	4	2.40	0.1	7
1922	30.1	63	-15	3.96	23.0	9	1922	31.4	60	6	4.01	17.3	9
1923	34.7	68	0	4.12	6.5	12	1923	35.9	67	13	4.64	2.2	10
1924	33.4	66	-10	4.07	1.8	7	1924	35.6	67	1	3.93	T	7
1925	30.9	63	-31	4.59	19.3	12	1925	33.5	62	-1	5.36	7.9	12
1926	32.2	72	-11	3.12	4.6	10	1926	34.2	65	5	2.94	1.1	10
1927	32.5	78	-5	1.60	2.1	11	1927	33.7	73	2	1.57	4.6	10
1928	34.2	72	-11	2.48	9.4	7	1928	35.2	71	-11	2.87	12.6	8
1929	32.6	69	-13	2.68	2.3	10	1929	34.7	67	6	2.68	0.9	9
1930	33.8	75	-17	2.67	11.6	11	1930	36.4	75	4	3.46	8.2	12
1931	34.4	66	-8	1.64	1.5	5	1931	36.0	65	12	2.07	0.3	5
1932	44.4	80	13	4.98	1.1	12	1932	46.4	77	22	5.56	1.2	11
1933	40.8	70	4	3.11	1.5	9	1933	42.3	68	14	3.81	T	8
1934	37.1	70	-6	2.52	0.5	9	1934	38.4	66	3	2.26	T	9
1935	31.2	71	-23	4.67	20.4	11	1935	33.4	70	-7	5.49	16.8	11
1936	27.8	62	-20	5.87	9.7	13	1936	30.8	61	-5	7.23	2.3	13
1937	41.6	77	11	7.43	1.1	17	1937	44.3	72	23	8.27	T	19
1938	33.5	67	-2	2.26	2.3	11	1938	35.0	62	7	2.74	0.9	13
1939	35.0	69	-7	3.65	11.8	11	1939	35.9	65	4	3.81	9.9	12
1940	22.3	59	-14	2.26	15.6	7	1940	23.6	59	0	2.20	16.1	5
1941	32.0	62	-10	3.04	6.1	11	1941	33.3	59	7	3.56	3.3	11
1942	32.4	66	-19	2.48	4.4	8	1942	33.0	66	-14	2.85	3.4	8
1943	33.9	79	-5	2.95	8.9	11	1943	34.5	71	11	2.92	4.1	9
1944	34.7	75	-13	3.29	6.5	7	1944	35.5	72	-5	2.47	2.8	7
1945	28.4	61	-16	3.24	9.8	10	1945	28.7	62	-1	3.82	5.7	10
1946	35.0	74	-16	1.67	4.4	9	1946	36.1	73	3	2.01	2.1	8
1947	39.6	75	-3	3.82	5.5	12	1947	41.0	74	6	4.79	5.7	13
1948	26.6	64	-20	4.86	10.5	11	1948	27.7	54	-1	6.09	9.9	14
1949	41.4	74	1	5.29	4.6	12	1949	41.9	70	18	5.36	2.5	12
Period	33.1	80	-40	3.37	7.4	10	Period	34.8	77	-14	3.60	5.2	10

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JANUARY 1949

Table 2

Station	Temperature								Precipitation									
	Average	Departure from normal	Highest	Date	Lowest	Date	No. of days		Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail			No. of days		
							Max. 90° or above	Min. 32° or below					Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
MARYLAND																		
ABERDEEN PROVING GROUND	38.8	6.2	58	8	19	30	17	6.26	3.18	1.68	5	1.3	T	1	13	9	1	1
ANNAPOLIS U S NAVAL ACADEMY	41.2	6.7	72	28	18	30	10	4.89	1.54	1.47	21	4.4	1	31	13	7	1	1
BALTIMORE WB AIRPORT	41.1	9.4	68	28	20	30	9	6.32	2.82	1.95	5	7.3	2	31	14	8	2	2
BALTIMORE WB CITY	42.3	8.5	70	28	20	30	6	6.13	2.63	1.82	5	4.2	T	31	15	7	2	2
BALTIMORE HAMILTON	41.0		64	28	18	30	16	6.46		1.35	5	4.5	4	31	11	8	1	1
BATTERY PARK	41.7M		70	28	17	30	13	5.84		1.25	5	5.5	4	31	15	8	2	2
BELTSVILLE	39.6		70	29	19	30+	20	4.96		1.34	6				12	7	2	2
BENSON	38.4		62	9	9	30	21	6.23		1.13	5	4.5	4	31	12	8	1	1
BLACKWATER	43.9	8.4	68	28	24	3+	8	4.34	1.12	1.62	22	1.0			6	1	1	1
BRIGHTON DAM	41.4		70	28+	16	21	20	5.84		1.25	5	5.0	3	31	10	8	1	1
BROOKSIDE MANOR	41.9M		71	28	19	30	14	5.74		1.38	5		4	31	13	8	1	1
CAMBRIDGE	42.8	6.5	72	28	21	31+	12	5.62	2.02	1.55	22	1.0	T	31	13	8	2	2
CHARLOTTE HALL	44.0	10.0	71	28	20	30	11	5.22	1.99	2.02	22	3.0	T	31	12	7	1	1
CHELTENHAM	41.2	6.6	72	29	17	31	19	4.70	1.00	2.05	22	4.7	2	31	10	4	1	1
CHESTERTOWN	41.3	8.1	66	28	21	30	14	5.96	2.64	1.32	21	4.0	2	31	14	8	1	1
CHEWSVILLE BRIDGEPORT	38.7	7.7	61	28	13	30	19	4.93	2.24	1.50	5	7.5	6	31	13	7	1	1
CLEAR SPRING	39.8	8.5	62	28	14	30	15	5.92	2.86	1.15	5	8.3	7	31	13	7	2	2
COLEMAN	40.9	7.0	63	19	19	30	14	5.49	2.02	1.50	5	1.5	2	31	8	5	2	2
COLLEGE PARK UNIV OF MD	42.9	8.9	71	28	19	30	14	5.33	2.04	1.10	5	3.8	2	31	13	8	1	1
CONOWINGO DAM	37.9	7.4	60	8	19	30	19	7.22	3.91	1.81	5	5.4	3	31	15	9	2	2
CONOWINGO POLICE BARRACKS	37.6		60	8	14	30	24	7.11		1.11	5+	4.0	3	31	11	8	3	3
CRISFIELD	47.0	8.6	59	6+	26	30+	5	1.94	-1.69	.60	31	0			6	3		
CUMBERLAND	39.5	7.9	64	24+	10	30	16	4.22	1.74	.95	31	10.1	7	31	13	7		
CUMBERLAND POLICE BARRACKS	40.4		69	24	8	30	17	5.79		1.05	27	9.5	9	31	15	8	1	1
DISTRICT HEIGHTS	42.7		70	28	19	30	12	5.17		.96	5	5.7	2	31	13	7		
EASTON	42.2	7.1	69	29	20	30+	16	4.17	.84	.94	31	1.5			12	6		
ELETON	39.5	6.2	62	8	19	30	18	6.32	2.98	1.12	28	8.9	2	31	12	8	1	1
EMMITSBURG	39.2	7.9	57	7+	14	30	18	5.47	2.22	1.70	5	5.8	5	31	10	7	1	1
FALLSTON	39.5	8.0	58	8+	9	30	16	5.98	2.43	1.11	5	4.5	4	31	12	8	1	1
FORT GEORGE G MEADE	41.8	6.1	70	28+	20	30	17	5.99	2.66	1.05	5	2.8	2	31	11	9	1	1
FREDERICK	38.5	6.0	58	8	14	30	23	6.02	2.89	1.33	5	6.0	4	31	12	8	2	2
FREDERICK POLICE BARRACKS	40.2		58	7+	14	30	15	5.30		1.05	5	5.3	5	31	12	8	1	1
FREDERICK WB AIRPORT	39.6M				16	30	11			1.17	5				12			
FRIENDSVILLE	36.9	7.2	60	9+	2	30	17	6.96	3.22	1.17	26	8.0	4	12	18	10	2	2
FROSTBURG	37.4	7.2	64	24	4	30	19	4.63	1.30	.95	26+	11.0	8	31	15	7		
GERMANTOWN	41.2	7.9	69	28	16	30	15	5.24	2.21	1.28	5	3.3			12	7	1	1
GLEN DALE BELL STATION	42.0	8.1	71	28	17	3	17	5.50	1.99	1.05	5	5.5	3	31	12	8	1	1
GRASONVILLE	42.2		64	28	20	31	10	4.65		1.75	22	0.8	T	31	8	7	1	1
GREAT FALLS	41.2	7.8	70	28	18	30	22	4.75	1.57	1.25	6	10.0	4	31	13	1	2	2
GREENBELT	41.0M		71	29	19	30	12	5.05				4.2	3	31	14			
GROSVENOR LANE	42.2		71	28	18	30	14	5.75		.98	5	9.4	4	31	14	8		
HAGERSTOWN	39.3		60	16+	14	30	15	4.74		1.55	5	10.0	5	31	7	6	1	1
HANCOCK FRUIT LABORATORY	37.8	7.4	65	29	11	30	19	5.05	2.45	.87	6	10.0	8	31	11	8		
HUNTINGTOWN	43.0	7.3	72	28	19	30	13	5.31	1.88	1.33	21	2.0	T	31	12	7	3	3
KEDYSVILLE	39.6	7.2	64	28	14	30	18	4.92	2.14	1.19	5	8.5	6	31	14	7	1	1
LA PLATA	43.9	7.6	74	28	20	30	13	5.32	1.57	2.15	22	4.1			9			
LEONARDTOWN	44.8		71	28	23	3+	12	3.59		1.08	31	T	T	12+	11	5	1	1
MARYLAND LINE	41.3	9.6	60	8	21	30	12	6.03	2.52	1.65	28	4.0	4	31	11	9	1	1
MILLINGTON	42.8	8.5	70	28	21	30	14	5.82	2.18	1.17	22	3.0	2	31	11	8	2	2
OAKLAND	36.9	8.4	60	9	2	30	19	7.35	3.37	1.14	26	8.2	3	31	19	9	2	2
OWINGS FERRY LANDING	43.1	7.6	73	28	19	30	14	5.41	1.79	1.67	22	3.0	1	31	11	7	2	2
OXFORD	42.9	7.2	63	28	23	30+	10	5.40	2.49	1.91	22	0.8	T	31	12	7	2	2
PICARDY	40.2	7.3	66	24	10	30	15	5.60	3.23	1.25	5	10.2	8	31	15	8	2	2
PIKESVILLE	41.1		64	28+	16	30	17	5.69		1.21	5	4.2	4	31	14	7	2	2
POCOMOKE CITY	46.4		68	28	25	3	8	2.69		.65	31				10	5		
PRETTYBOY DAM	38.1	5.7	58	8+	13	30	20	4.75	1.13	1.63	5	5.0	4	31	11	1	1	1
PRINCESS ANNE	45.4		68	20	3	30	10	3.02		.80	22	T			10	5		
RANDALLSTOWN POLICE BARRACKS	39.7		67	29	15	30+	20	5.35		1.26	5	5.1	5	31	9	8	1	1
RIDGELY	42.0	7.0	70	28	19	30	15	5.39	2.02	1.73	22	0.5			10	8	2	2
RIVERDALE	41.8		72	28	19	30	15	5.18		1.03	5	5.7	4	31	14	8	1	1
ROCK HALL	41.3	6.8	66	28	20	30	15	4.84	1.32	.92	28	2.6			14	6		
ROCKYVILLE	42.5M		70	28	18	30+	16	4.10		1.44	5	3.8			10	5	1	1
ROYAL OAK	43.3		69	28	22	31	10	5.93		2.11	22	1.0	T	31	11	7	2	2
SALISBURY	45.1	7.5	69	28	22	3+	10	4.08	.40	1.25	22	0			15	5	1	1
SALISBURY POLICE BARRACKS	44.9		70	28	23	3+	11	4.40		1.55	22	0			14	5	1	1
SALISBURY MUNICIPAL AIRPORT	43.6		69	28	22	3	14	3.72		.78	21	T	T	30	14	7		
SINES DEEP CREEK	36.2	8.7	61	9	1	30	21	6.78	3.06	1.34	26	8.5	4	31	19	7	2	2
SNOW HILL	43.9	6.6	67	18	24	15+	13	4.52	.75	.75	6+	0			11	6		
SOLOMONS	44.4	7.9	70	28	23	30	6	4.34	1.28	1.40	22	0.3			13	5	1	1
TAKOMA PARK BALTO AVE	42.6	8.8	71	28	19	30	13	5.21	1.68	1.15	5	5.1	2	31	15	8	1	1
TAKOMA PARK MISS AVE	42.1	12.5	69	28	18	30	12	5.07	2.40	1.12	5	5.5	2	31	15	8	1	1
TONOLOWAY	38.9	7.0	65	29	12	31	18	5.09	2.60	.87	6	10.0	8	31	12	8		
TOWSON	41.0		64	28	17	30	19	7.07	3.44	1.29	21	5.0	4	31	12	8	3	3
UNIONVILLE	37.9	6.6	59	8+	16	30	21	5.18	2.31	1.80	5	5.2	5	31	13	7	1	1

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

JANUARY 1949

Table 2-Continued

Station	Temperature								Precipitation									
	Average	Departure from normal	Highest	Date	Lowest	Date	No. of days		Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail			No. of days		
							Max. 90° or above	Min. 32° or below					Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
NATIONAL ARBORETUM	43.6		72	28	19	30		13	5.20		.92	5				12	8	
U S SOLDIERS HOME	41.0		69	29	18	30+		18	5.00		1.32	6				13	6	2
WASHINGTON WB CITY	43.3	9.9	73	28	19	30		9	5.02	1.47	1.52	5	5.0	2	31	16	6	1
MARYLAND & DIST OF COLUMBIA	41.4	8.4							5.29	2.05								
DELAWARE																		
BRIDGEVILLE	43.4	7.9	69	28	22	31		14	4.99	1.44	1.72	22	1.5			13	6	1
DELAWARE CITY REEDY POINT	41.9	8.7	66	16	25	31		14	5.23	2.17	1.05	22	3.0			14	7	1
DOVER	43.3	8.0	70	28	18	30		12	5.91	2.44	1.56	22	1.8			11	7	2
GEORGETOWN	42.8		69	28	21	3+		16	5.06		1.37	22	0.6			12	6	1
LEWES	43.1		70	28	21	31		11	5.20		1.20	22				15	7	2
MILFORD	43.4	7.4	69	28	23	30+		12	5.74	1.95	1.51	22	0.6			11	7	2
MILLSBORO	43.4	7.4	70	28	20	3		15	3.99	.20	1.57	22	T			9		
NEWARK COLLEGE FARM	39.1	7.9	62	8	18	30		21	6.23	2.87	1.25	28	7.0	7	31	13	7	2
SEYNA	42.6		70	28	21	30		13	4.90		1.37	22	2.0			8	6	1
WILMINGTON WB NEW CASTLE	39.2		64	19	19	30		17	5.55		1.16	5	4.2	2	31	13	7	1
WILMINGTON PORTER RESERVOIR	39.0	6.1	61	19	19	30		18	6.13	2.61	1.24	5	4.7	2	31	13	7	2
DELAWARE	41.9	7.1							5.36	1.76								
SECTION	41.4	8.2							5.30	2.02								

See reference notes following Station Index.

DAILY PRECIPITATION

MARYLAND AND DELAWARE

JANUARY 1949

Table 3.

Station	Day of month																															Total	
	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																																	
ABERDEEN PROVING GROUND	Z	T			1.68	.65						.07						T	T	.05		.83	.52	.44	.15	.03	.50	.47	.53	T		.34	6.26
ANNAPOLIS U S N ACADEMY	Z	T		.02	T	.86	.12					.14						T	T	T	1.47	.21	.23	.34	.09	.26	.45	.25			.45	4.89	
BALTIMORE WB AIRPORT					1.95	.15						.14						T	T	.08	1.05	.27	.26	.13	.05	.49	.45	.34			.95	6.32	
BALTIMORE WB CITY	Z	T			1.82	.11						.12						T	T	.04	1.08	.25	.23	.15	.02	.45	.41	.49			.92	6.13	
BALTIMORE HAMILTON					1.35	.68						.14						T	T	.10	.55	.78	.12	.40	T	.47	T	.98			.91	6.46	
BATTERY PARK				.07	1.25	.53						.17						.01	T	.09	.74	.48	.14	.28	.03	.37	.09	.55			1.04	5.84	
BELTSVILLE	Z			.04	.27	1.34						.16								.03	.30	.39	.04	.41	.02	.50					.80	4.96	
BENSON POLICE BARRACKS	R	T		.04	.05	1.13	.85					.15								.03	.73	.36	.18	.14		.27	.36	.19			.85	4.99	
BETHESDA					.27	.65						.12						T														.89	6.23
BLACKWATER																				.05	.32	1.62		.12	T	.26	.21				.89	3.44	
BRIGHTON DAM				T	1.25	.80						.10								.10	.42	.82	T	.44	T	.38	T	.80			.73	5.84	
BROOKDALE				.18	1.30	.22						.02	.13					.04	.02	.05	.93	.24	.23	.18	.09	.16	.08	.54			.69	5.11	
BROOKSIDE MANOR	T				1.38	.39						.01	.18					T	T	.05	.69	.55		.39	.12	.37	.13	.59	T		.89	5.74	
BURNT MILLS RESERVOIR					.06	.40	1.51					.01	.15						.01	.04	.06	1.27		.39	.10	.33	.08	.70			1.70	5.81	
CAMBRIDGE			T		.30	.50						.19						.02			.82	1.55		.34	.05	.34	.01	.33			1.15	5.62	
CHARLOTTE HALL				.07	.44	.43						.18						T		T	.36	2.02		.09	.03	.31	.02	.29			.98	5.22	
CHELTENHAM				.08	.25	.90						T	.15					.01	T	.04		2.05		.22	.05	.23	.08			.69	4.70		
CHESTERDOWN					.93	.33						T	.11						T	.02	1.32	.54	.20	.28	.12	.47	.30	.76			.95	5.96	
CHEWSVILLE BRIDGEPORT	T				1.50	.32						.09							T	.02	.46	.16	.04	.38	.01	.53	.18	.51			.73	4.93	
CLEAR SPRING					1.15	.77						.09							T	.12	.46	.05	.12	1.10	.02	.66	.16	.51	T		.71	5.92	
COCKEYSVILLE	R				2.00							.09								.03	.86	.20	.19	.22	.42	.42	.46			.82	5.71		
COLEMAN					1.50							.14									.23	1.04		.31	.06	.25	.10	.67			.96	5.49	
COLLEGE PARK UNIV OF MD				.06	1.10	.51						.18						T	T	T	.44	.79	.01	.34	.04	.34	.02	.68			.83	5.33	
CONOWINGO DAM	.06				1.81	.10						.07						T	.02	.10	1.01	.37	.35	.43	.04	.80	.44	.66	T		.96	7.22	
CONOWINGO POLICE BRKS					1.11	.83						.10						T	.06		.25	1.10	.10	.70	.06	.75				.94	7.11		
CRISFIELD					T	.45						T								.09	.43		T		.19		.18			.60	1.94		
CUMBERLAND	T			.01	.60							.01	.29					T	.10	.10	.22	.10	T	.42	.04	.74	.33	.41		.95	4.22		
CUMBERLAND POLICE BRKS				.03	.62	.09						.08	.10						.40	.10	.22	.39	.04	.51	.05	.85	1.05	.46	T		.80	5.79	
DALCARLIA RESERVOIR DC				.07	1.00	.59						.17							.01		.26	*	.91	.33	.03	.29		.59			.75	4.93	
DISTRICT HEIGHTS				.05	.96	.43						T	.21					T	T	T	.77	.64	*	.24	.03	.33	.11	.45	T		.95	5.17	
EASTON POLICE BARRACKS					.32	.71						.10						.02		.05	T	.24	.78	T	.17	.10	.30	T	.44		.94	4.17	
EDMONT					.34	1.64						.06									.06	.65		.34	.26		.38			.76	5.41		
ELKTON					.85	.67						.05								T	.04	.41	.88	.17	.39	.08	.84		1.12		.82	5.32	
EMMITSBURG				T	1.70							.08						T	T	.09	.63	.88	.25	.20	T	.72	.25	.75			.80	5.47	
FALLSTON	T				1.11	.80						.14						T	.01		.34	.66	.02	.39	.01	.52		.87			.91	5.98	
FORT GEORGE G MEADE				.05	1.05	.64						.12						T	T	T	.50	.85	T	.35	.45	.38		.75			.85	5.99	
FREDERICK	T			T	1.33	.65						.10						T	T	T	.38	.39	.05	.48	.01	.68	.15	1.03	T		.87	6.02	
FREDERICK POLICE BRKS					1.05	.60						.05						T	T	.03	.36	.41	.02	.45	T	.50	.05	.98			.80	5.30	
FREDERICK WB AIRPORT				.03	1.17	.77						T							T	T	.03	.74		.48	.02	.46	.08	1.09			.50	-	
FREDERICK 3 E					.51	1.49						T							T	T	.55	.78	.43	.10	.27	.27	1.00			.62	6.02		
FRIENDSVILLE					.73	T				.01		.14	.50	.01	.09			.02	.05		.50	.57	.05	1.10	.47	1.17	.29	.44	.07		.75	6.96	
FROSTBURG	.07			.01	1.56	T						.35						.01	.04		.24	.12	.02	.57	.15	.95	.32	.26	T		.95	4.63	
GRAMMANTOWN				.01	1.28	.66						.14						T		T	.60	.56	T	.10	.05	.08	.12	.72			.40	5.24	
GLEN ECHO	R			.04	.02	1.50	.06					.11						T	.02	.03	.73	.34	.18	.17		.30	.36	.17			.87	4.93	
GLENN DALE BELL STATION					1.05	.58						.20						T	.01		.44	.83	.01	.31	.05	.39	T	.73			.90	5.50	
GRANTSVILLE					.41							.20	.20						.09		.35	.25	.20	.86	.17	1.03	.70			.81	5.27		
GRASONVILLE	R				.57	.52						.16						T		T	.33	1.75	T	.25	T	.37	T	.70			4.65		
GREAT FALLS				.06	.35	1.25						.02	.13					.02	.02		1.17	*	.38	T	.38	.60				.37	4.75		
GREENBELT				*	1.70							.01	.11	.01						.02	1.23		.31	.08	.23	.14	.70	T		.51	5.05		
GROSVENOR LANE					.98	.75						.15			T			.01	T	.07	.51	.72	.02	.40	.04	.40	.20	.65			.85	5.75	
HAGERSTOWN					1.53	.30						.11									.65			.65		.65	.78			.70	4.74		
HANCOCK FRUIT LABORATORY				T	.39	.87						.29								.21		.61		.21	.20	.37	.32	.76			.82	5.05	
HUNTINGTOWN				.07	.47	.42						.20						T	T	.21	1.33	1.00	T	.15	.02	.32	.03	.29			1.01	5.31	
KEDYSVILLE	Z			.02	1.19	.21						.12							T	.02	.41	.88	.03	.32	.02	.23	.69			.89	5.92		
LA PLATA					.71	.45						.21									.28	2.15		.10		.30				1.12	5.32		
LEONARDTOWN	Z			.09	.29	.51																											

JANUARY 1949

HOURLY PRECIPITATION

Table 4

Station	A. M. Hour ending												P. M. Hour ending												Total	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
-1st-																										
MARYLAND																										
SHARPTOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-3d-																										
MARYLAND																										
ANNAPOLIS U S NAVAL ACADEMY																				*			* .02		.02	
BETHESDA																						* .01	* .01		.04	
GLEN ECHO																						.03			.04	
LEONARDTOWN																									.02	
LUKE												.01								.01	.01				.02	
SINES DEEP CREEK																								.02	.02	
WASHINGTON WB CITY DC																							.02	.01	.03	
-4th-																										
MARYLAND																										
BETHESDA				.01	.01	.02																		.01	.05	
COCKEYSVILLE																									.02	
GLEN ECHO	.01	.01																							.05	
LEONARDTOWN	.02	.03																								
SALISBURY MUNICIPAL AIRPORT 6	*	.02																								
-5th-																										
MARYLAND																										
ANNAPOLIS U S NAVAL ACADEMY	*	*	*	*	*	*	.15	*	*	*	*	*	.25	*	*	*	*	*	*	.11	*	*	*	*	.35	.86
BALTIMORE WB AIRPORT 6							.02	.06	.08	.06	.05	.07	.08	.16	.13	.11	.12	.08	.09	.03	.17	.05	.07	.19	1.82	
BALTIMORE WB CITY			.01	.03	.08	.08	.01	.10	.10	.12	.08	.08	.04	.08	.10	.05	.13	.02	.08	.15	.05	.04	.06	.02	1.50	
BELTSVILLE				.04	.11	.05	.02	.08	.09	.07	.11	.10	.08	.10	.06	.04	.10	.04	.01	.20	.10	.04	.02	.02	1.51	
BETHESDA	.01	.01	.01	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.00						2.00	
COCKEYSVILLE	.02	.02	.01	.05	.10	.05	.12	.08	.11	.13	.06	.09	.09	.05	.02	.11	.04	.08	.17	.05	.01	.03	.01	.01	1.50	
GLEN ECHO	.02	.02		.06	.02		.03	.02	.05	.03	.02	.04	.03	.03	.07	.02	.07								.41	
GRANTSVILLE		.02		.04	.03	.03	.02	.05	.03	.01	.04	.01	.01	.01	.01	.01		.01	.01	.15	.10	.05		.60		
LEONARDTOWN	.01	.04	.01	.09	.01	.02	.05	.02	.02	.03	.03	.02	.01	.03	.07	.10	.02	.01	*	.03	*	*	*	*	.59	
LUKE				*	*	*	.10	*	*	*	*	*	*	.04	*	*	*	*	*	.03	*	*	*	*	.69	
SALISBURY MUNICIPAL AIRPORT 6				.04	.05	.03	.03	.02	.04	.04	.03	.04	.03	.08	.05	.08	.04	.01	.01						2.06	
SINES DEEP CREEK		.02	.05	.14	.10	.05	.06	.14	.20	.16	.10	.19	.16	.05	.04	.05	.06	.28	.17	.04	.03	.04			2.06	
UNIONVILLE	.01	.01	.01	.02	.11	.08	.05	.04	.12	.09	.08	.09	.05	.07	.11	.05	.10	.07	.01	.08	.18	.03	.03	.03	1.52	
WASHINGTON WB CITY DC																										
DELAWARE																										
WILMINGTON AIRPORT 6			*	*	*	*	*	.08	*	*	*	*	*	.31	*	*	*	*	*	.29	*	*	*	*	*	
-6th-																										
MARYLAND																										
ABERDEEN PROVING GROUND						.06	.05		.17	.02	.10	.10	.10	.11	.13	.07	.04	.04	.06	.05	.07	.14	.08	.01	1.40	
ANNAPOLIS U S NAVAL ACADEMY	*	.04	*	*	*	*	.08																		.12	
BALTIMORE WB AIRPORT 6	*	.82	*	*	*	*	.15																			
BALTIMORE WB CITY		.04	.01		.05	.01																			.11	
BELTSVILLE		.02	.02	.08																					.12	
BETHESDA	.02	.02		.02	.04	.01																			.11	
GLEN ECHO	.02	.01	.01	.02			*	*	*	*	*	*	*	.20											.06	
LEONARDTOWN	.05	.05	*	*	*	*	*	*	*	*	*	*	*												.30	
SALISBURY MUNICIPAL AIRPORT 6	* .23	*	*	*	*	*	.30																		.10	
UNIONVILLE	.01	.03	.04	.05																					.06	
WASHINGTON WB CITY DC	.03	.03																								
DELAWARE																										
WILMINGTON AIRPORT 6	*	.52	*	*	*	*	.14																			
-7th-																										
MARYLAND																										
ABERDEEN PROVING GROUND	.04	.01												.01		.01									.07	
-10th-																										
MARYLAND																										
LUKE							.02												.01	.01	.01	.02		.01	.08	
SINES DEEP CREEK																			.01	.03			.01	.01	.08	
-11th-																										
MARYLAND																										
BELTSVILLE																								.01	.01	
GRANTSVILLE																			.02	.04	.03	.02	.06	.03	.20	
LUKE																			.02	.02	.01	.04	.05	.03	.17	
SINES DEEP CREEK				.01	.01	.02	.01												.01	.02	.03	.03	.04	.05	.23	
WASHINGTON WB CITY DC								.01																	.01	
-12th-																										
MARYLAND																										
ANNAPOLIS U S NAVAL ACADEMY	*	*	*	*	*	*	.14																		.14	
BALTIMORE WB AIRPORT 6				*	*	*	*	.14																		
BALTIMORE WB CITY	.02	.01	.03	.03	.02	.03																			.12	
BELTSVILLE	.01	.01	.04	.03	.03	.01																			.16	
BETHESDA	.01	.01		.02	.01	.01				.01	.01					.01									.12	
COCKEYSVILLE	.08	.01	.03	.02	.04	.01																			.09	
GLEN ECHO	.08	.02	.07	.01																					.11	
GRANTSVILLE				.03	.02	.01	.01																		.20	
LEONARDTOWN	.07	.03	.06					.01					.03	.04	.01										.14	
LUKE								.01					.01												.18	
SALISBURY MUNICIPAL AIRPORT 6				*	*	*	*	.12																	.20	
SINES DEEP CREEK	.02	.01		.03	.06	.04	.03	.02			.01	.01													.10	
UNIONVILLE				.02	.03	.02																			.10	
WASHINGTON WB CITY DC			.02	.05	.05	.04	.02																		.10	

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

JANUARY 1949

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
DELAWARE																									
WILMINGTON AIRPORT 6			*	*	*	*	*	.05																	
													-14th-												
MARYLAND																									
SINES DEEP CREEK	.01					.01	.03			.01	.01														.07
													-17th-												
MARYLAND																									
BALTIMORE WB AIRPORT 6									*	*	*	*		.01											.01
BALTIMORE WB CITY						.01	.01					.01													.02
SINES DEEP CREEK													-18th-												
MARYLAND																									
BALTIMORE WB CITY																						.01	.01	.01	.02
COCKEYSVILLE												.01							.01		.01	.01	.01	.01	.03
GLEN ECHO						.01	.01	.02	.03		.01	.01													.02
SINES DEEP CREEK									.01																.08
UNIONVILLE									.01														.01		.03
WASHINGTON WB CITY DC																									.01
													-19th-												
MARYLAND																									
ABERDEEN PROVING GROUND														.05	*	*	*	*	*	.08					.05
BALTIMORE WB AIRPORT 6																									
BALTIMORE WB CITY	.01													.03	*	*	*	*	*				.02	.01	.04
BETHESDA		.01			.01	.01																			.03
GLEN ECHO		.01																							.03
GRANTSVILLE	.02	.04		.01				.02																	.09
LUKE	.05	.04		.01				.01				.01													.07
SALISBURY MUNICIPAL AIRPORT 6															*	*	*	*	*	.13					.07
SINES DEEP CREEK	.03	.01		.02		.01																			.07
WASHINGTON WB CITY DC	.01					.01																			.02
DELAWARE																									
WILMINGTON AIRPORT 6			*	*	*	*	*	.03							*	*	*	*	*	.02					
													-20th-												
MARYLAND																									
BETHESDA	.01													.02	.01	.01									.05
GLEN ECHO																.03									.03
													-21st-												
MARYLAND																									
ABERDEEN PROVING GROUND														.10	*	*	*	*	*	.90	*	*	*	.47	1.47
ANNAPOLIS U S NAVAL ACADEMY									*	*	*	*		.08	*	*	*	*	*	.66	*	*	*	*	
BALTIMORE WB AIRPORT 6														.02	.03	.06	.11	.08	.14	.13	.16	.09	.10	.07	.08
BALTIMORE WB CITY														.08	.04	.08	.10	.12	.12	.11	.06	.06	.03	.08	.02
BELTSVILLE														.01	.02	.09	.06	.13	.11	.10	.05	.03	.06	.03	.03
BETHESDA														.03	.02	.08	.05	.08	.12	.11	.14	.08	.05	.05	.05
COCKEYSVILLE														.02	.02	.04	.08	.07	.13	.10	.10	.06	.01	.05	.03
GLEN ECHO															.01	.04	.08	.02	.04	.06	.03	.02	.04	.01	.08
GRANTSVILLE															.02	.05	.09	.14	.17	.26	.13	.21	.34	.79	.06
LEONARDTOWN															.01	.04	.08	.02	.05	.09	.14	.17	.26	.13	.21
LUKE															.01	.01	.08	.04	.06	.01	.03	.04	.02	.01	.31
SALISBURY MUNICIPAL AIRPORT 6									*	*	*	*		.02	*	*	*	*	*	.19	*	*	*	*	
SINES DEEP CREEK						.01	.01							.01	.04	.10	.07	.06	.03	.01	.06	.06	.07	.07	.05
UNIONVILLE														.07	.08	.11	.10	.07	.05	.03	.02	.04	.01	.01	.58
WASHINGTON WB CITY DC	.03	.04	.06	.07	.06	.10	.11	.14	.06	.02	.08	.05	.03	.02											.87
DELAWARE																									
WILMINGTON AIRPORT 6									*	*	*	*		.03	*	*	*	*	*	.05	*	*	*	*	
													-22d-												
MARYLAND																									
ABERDEEN PROVING GROUND																									
ANNAPOLIS U S NAVAL ACADEMY	*	.01	*	*	*	*	.20																		.21
BALTIMORE WB AIRPORT 6	*	.32	*	*	*	*	*	.26																	
BALTIMORE WB CITY		.04	.07	.07	.04	.02	.01																		.25
BELTSVILLE		.06	.10	.03	.07	.02							.02												.30
BETHESDA	.01	.08	.09	.07	.08	.01							.02												.36
COCKEYSVILLE	.01	.04	.08	.02	.04	.01																			.20
GLEN ECHO	.01	.09	.09	.06	.05	.04																			.34
GRANTSVILLE	.07	.04	.04	.02																					.25
LEONARDTOWN	.01					.01	.06																		.08
LUKE	.01	.02		.03																					.06
SALISBURY MUNICIPAL AIRPORT 6	*	.60	*	*	*	*	.19	*	*	*	*	*		.13											
SINES DEEP CREEK		.05	.07	.06	.02	.01	.01	.01																	.23
UNIONVILLE	.03	.05	.05	.01	.01	.02																			.17
WASHINGTON WB CITY DC		.02	.07	.06	.06	.04	.02																		.27
DELAWARE																									
WILMINGTON AIRPORT 6	*	.55	*	*	*	*	.21																		
													-23d-												
MARYLAND																									
ABERDEEN PROVING GROUND																									
ANNAPOLIS U S NAVAL ACADEMY															*	*	*	*	.11	*	*	*	*	.12	.23
BALTIMORE WB AIRPORT 6																*	*	*	*	.13	*	*	*	*	
BALTIMORE WB CITY																.03	.04	.03	.04	.04	.02	.01	.02		.23
BELTSVILLE																	.02	.06	.04	.04	.05	.03	.01		.21

See reference notes following Station Index.

HOURLY PRECIPITATION

MARYLAND AND DELAWARE
JANUARY 1949

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BETHESDA																	.02	.02	.04	.01	.03	.05	.01		.18
COCKEYSVILLE																.01	.02	.05	.04	.01	.04	.01			.19
GLEN ECHO																	.03	.04	.03	.02	.03	.03	.01		.18
GRANTSVILLE								.01				.01					.01	.07	.01	.07	.04		.05		.20
LUKE																	.06	.01	.01	.06			.02		.16
SALISBURY MUNICIPAL AIRPORT 6																				*	*	*	*		
SINES DEEP CREEK				.02	.01		.04	.08	.04																.19
UNIONVILLE																.01	.01	.04	.01	.03	.06	.02			.18
WASHINGTON WB CITY DC																	.01	.05	.06	.01	.01	.02	.01		.17
DELAWARE																									
WILMINGTON AIRPORT 6																*	*	*	*	*	.12	*	*	*	*
MARYLAND																									
ABERDEEN PROVING GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNAPOLIS U S NAVAL ACADEMY	*	.13	*	*	*	*	.30	.07	*	*	*	*	*	.04											.34
BALTIMORE WB AIRPORT 6				.01	.02	.02	.02	.01		.02	.04	.02													.16
BALTIMORE WB CITY					.06	.01	.02				.02		.02												.16
BELTSVILLE				.02	.03	.05	.03		.02		.05		.01				.01	.02							.14
BETHESDA		.02	.01				.07		.02		.04	.01													.22
COCKEYSVILLE		.01		.01	.02	.03	.03		.04	.05			.01												.17
GLEN ECHO		.01	.01	.08	.09	.02	.02	.18	.11	.18										.03	.01	.03	.06	.03	.04
GRANTSVILLE																			.03	.01					.04
LEONARDTOWN			.01	.05	.04	.02				.05	.01	.02	.03	.02						.01			.02		.28
LUKE	*	.12	*	*	*	*	.04																		
SALISBURY MUNICIPAL AIRPORT 6		.02	.07	.15	.06	.01	.23	.12	.24	.06	.01	.01							.02	.03	.03		.01	.08	1.15
SINES DEEP CREEK				.01	.02	.04	.05	.01	.04	.06	.05														.28
UNIONVILLE				.01	.01	.02	.02	.01	.02		.05														.14
WASHINGTON WB CITY DC																									
DELAWARE																									
WILMINGTON AIRPORT 6	*	.15	*	*	*	*	.03	*	*	*	*	*	.14												
MARYLAND																									
ABERDEEN PROVING GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNAPOLIS U S NAVAL ACADEMY	*		*	*	*	*	.03	*	*	*	*	*	.09												.09
BALTIMORE WB AIRPORT 6				.01	.01		.01		.01																.02
BALTIMORE WB CITY																									.05
BELTSVILLE	.06	.03	.06	.01	.02	.02	.01													.01			.01		.17
BETHESDA																									.08
COCKEYSVILLE																									
GLEN ECHO		.01	.01	.02	.02	.07	.07	.03	.02	.04	.02	.09	.01				.02	.01							.30
GRANTSVILLE	.09	.03	.07	.02	.02	.06	.11	.09	.20	.11	.08	.02	.10	.01	.01	.01									1.03
LUKE	.03	.01	.04	.06	.06	.03	.01	.09	.01	.19	.05		.05	.01	.02										.66
SALISBURY MUNICIPAL AIRPORT 6																									
SINES DEEP CREEK	.03	.01	.06	.07	.06	.03	.04	.11	.20	.20	.13	.03	.03	.06	.11	.13	.03	.01							1.34
UNIONVILLE			.01	.03	.04	.06	.04	.02	.04	.02	.04	.13	.01	.01	.01	.02	.02	.01							.50
WASHINGTON WB CITY DC				.02	.03	.05	.09	.04	.02		.02	.03													.31
DELAWARE																									
WILMINGTON AIRPORT 6	*		*	*	*	*	.17	*	*	*	*	*	.41	*	*	*	*	*	*	.34	*	*	*	*	
MARYLAND																									
ABERDEEN PROVING GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNAPOLIS U S NAVAL ACADEMY	*		*	*	*	*	.07	*	*	*	*	*	.17	*	*	*	*	*	.02						.26
BALTIMORE WB AIRPORT 6				*	*	*	.14	*	*	*	*	*	.32	*	*	*	*	*		.03					
BALTIMORE WB CITY				.03	.04	.01	.05	.08	.03	.04	.02	.07	.06	.02											.45
BELTSVILLE				.02	.06	.06	.11	.02	.01	.02	.04												.01		.35
BETHESDA				.02	.01	.05	.10	.03	.02		.02		.02												.27
COCKEYSVILLE				.02	.02	.07	.02	.08	.02	.04	.02	.09	.01				.02	.01							.42
GLEN ECHO		.01	.01	.02	.02	.07	.07	.03	.02	.04	.01														.30
GRANTSVILLE	.09	.03	.07	.02	.02	.06	.11	.09	.20	.11	.08	.02	.10	.01	.01	.01									1.03
LUKE	.03	.01	.04	.06	.06	.03	.01	.09	.01	.19	.05		.05	.01	.02										.66
SALISBURY MUNICIPAL AIRPORT 6																									
SINES DEEP CREEK	.03	.01	.06	.07	.06	.03	.04	.11	.20	.20	.13	.03	.03	.06	.11	.13	.03	.01							1.34
UNIONVILLE			.01	.03	.04	.06	.04	.02	.04	.02	.04	.13	.01	.01	.01	.02	.02	.01							.50
WASHINGTON WB CITY DC				.02	.03	.05	.09	.04	.02		.02	.03													.31
DELAWARE																									
WILMINGTON AIRPORT 6	*		*	*	*	*	.17	*	*	*	*	*	.41	*	*	*	*	*	*	.34	*	*	*	*	
MARYLAND																									
ABERDEEN PROVING GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNAPOLIS U S NAVAL ACADEMY	*		*	*	*	*	.07	*	*	*	*	*	.17	*	*	*	*	*	.02						.26
BALTIMORE WB AIRPORT 6				*	*	*	.14	*	*	*	*	*	.32	*	*	*	*	*		.03					
BALTIMORE WB CITY				.03	.04	.01	.05	.08	.03	.04	.02	.07	.06	.02											.45
BELTSVILLE				.02	.06	.06	.11	.02	.01	.02	.04												.01		.35
BETHESDA				.02	.01	.05	.10	.03	.02		.02		.02												.27
COCKEYSVILLE				.02	.02	.07	.02	.08	.02	.04	.02	.09	.01				.02	.01							.42
GLEN ECHO		.01	.01	.02	.02	.07	.07	.03	.02	.04	.01														.30
GRANTSVILLE	.09	.03	.07	.02	.02	.06	.11	.09	.20	.11	.08	.02	.10	.01	.01	.01									1.03
LUKE	.03	.01	.04	.06	.06	.03	.01	.09	.01	.19	.05		.05	.01	.02										.66
SALISBURY MUNICIPAL AIRPORT 6																									
SINES DEEP CREEK	.03	.01	.06	.07	.06	.03	.04	.11	.20	.20	.13	.03	.03	.06	.11	.13	.03	.01							1.34
UNIONVILLE			.01	.03	.04	.06	.04	.02	.04	.02	.04	.13	.01	.01	.01	.02	.02	.01							.50
WASHINGTON WB CITY DC				.02	.03	.05	.09	.04	.02		.02	.03													.31
DELAWARE																									
WILMINGTON AIRPORT 6	*	.02		*	*	*	*	.17	*	*	*	*	.41	*	*	*	*	*	*	.34	*	*	*	*	
MARYLAND																									
ABERDEEN PROVING GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNAPOLIS U S NAVAL ACADEMY	*	.07	*	*	*	*	.18																		.25
BALTIMORE WB AIRPORT 6	*	.35	*	*	*	*	.26	*	*	*	*	*	.02												

See reference notes following Station Index.

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

JANUARY 1949

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
BALTIMORE WB CITY	.12	.20	.09	.02	.05		.01																		.49
BELTSVILLE	.04	.11	.02																						.17
BETHESDA	.04	.09	.01	.05																					.19
COCKEYSVILLE	.16	.15	.08	.03	.01	.03																			.46
GLEN ECHO	.06	.08		.03																					.17
LEONARDTOWN																			.04	.07	.05		.01	.02	.19
LUKE	.01																								.01
SALISBURY MUNICIPAL AIRPORT 6	*	.19	*	*	*	*	*	.07																	.04
SINES DEEP CREEK																				.01		.03			.52
UNIONVILLE	.32	.13	.05	.02																					.12
WASHINGTON WB CITY DC	.03	.06	.01	.01			.01																		
DELAWARE																									
WILMINGTON AIRPORT 6	*	.51	*	*	*	*	*	.59																	
MARYLAND																									
SINES DEEP CREEK										.02					.01										.03
MARYLAND																									
ABERDEEN PROVING GROUND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANNAPOLIS U S NAVAL ACADEMY	*	*	*	*	*	*	.06	*	*	*	*	*	*	*	.31	*	*	*	.08	*	*	*	*	*	.45
BALTIMORE WB AIRPORT 6								.54	*	*	*	*	*	.39	*	*	*	*	*	.02					.92
BALTIMORE WB CITY	.02	.11	.09	.09	.08	.05	.09	.12	.10	.09	.04	.02	.02												.77
BELTSVILLE		.04	.06	.11	.11	.10	.08	.07	.03	*	.05	.02	.06			.04	*	*	*						.85
BETHESDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.85					
COCKEYSVILLE		.02	.07	.11	.13	.11	.15	.10	.11	.02															.82
GLEN ECHO	.02	.01	.06	.09	.11	.12	.13	.11	.16	.02	.01	.01	.02												.87
GRANTSVILLE		.07	.06	.17	.20	.15	.07	.02	.01	.03	.01	.01	.01												.81
LEONARDTOWN						.02	.11	*	*	*	*	*	*	*	*	*	*	*	.45						.58
LUKE			*	*	*	*	*	.95	*	.04	.03	*	*	*	.35	.14	*	*	*	.03					1.16
SALISBURY MUNICIPAL AIRPORT 6				*	*	*	*	.29	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
SHARPTOWN																									
SINES DEEP CREEK	.01	.04	.05	.07	.19	.07	.08		.13	.01	.02	.05	.02												.74
UNIONVILLE			.02	.11	.13	.14	.16	.15	.07	.03	.01	.01	.03	.02											.88
WASHINGTON WB CITY DC	.01	.03	.05	.08	.13	.10	.13	.10	.08	.08	.03	.02	.01												.85
DELAWARE																									
WILMINGTON AIRPORT 6			*	*	*	*	*	.16	*	*	*	*	*	*	.49										

-29th-

-31st-

DAILY TEMPERATURES

MARYLAND AND DELAWARE

JANUARY 1949

Table 5

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																																		
ABERDEEN PROVING GROUND	MAX	40	40	45	42	53	53	55	58	53	49	49	40	45	45	40	53	54	48	57	48	42	51	39	49	51	42	41	50	47	34	34	46.7	
	MIN	31	27	28	30	36	34	33	32	34	36	30	29	31	22	28	35	33	39	26	26	32	28	35	37	33	34	35	28	19	22	30.9		
ANNAPOLIS U S NAVAL ACAD	MAX	42	41	40	41	49	51	57	52	51	51	39	46	48	39	51	61	46	63	41	42	50	40	54	56	40	40	72	50	30	33	47.3		
	MIN	33	32	30	31	38	39	34	41	40	46	38	31	34	36	30	36	42	40	42	31	31	38	34	41	35	38	31	18	24	35.0			
BALTIMORE WB AIRPORT	MAX	41	41	43	42	51	53	57	62	52	51	51	40	47	47	40	56	58	45	62	42	54	39	53	55	42	48	47	29	35	48.0			
	MIN	34	33	30	32	38	37	34	39	40	37	38	30	22	36	29	34	39	38	42	31	29	37	34	36	39	35	38	29	20	22	34.2		
BALTIMORE WB CITY	MAX	41	42	45	42	50	54	59	64	54	54	52	40	47	49	40	56	58	46	63	41	43	55	40	56	57	43	43	70	49	30	37	49.0	
	MIN	34	33	31	34	38	38	35	44	45	40	39	31	35	37	31	37	44	41	41	33	30	39	34	37	39	34	38	30	20	23	35.5		
BALTIMORE HAMILTON	MAX	39	39	45	42	46	53	56	63	55	56	52	42	46	48	41	55	56	50	61	50	40	53	43	52	55	46	64	54	37	33	48.8		
	MIN	30	31	26	32	37	41	32	39	40	36	40	29	29	31	25	30	38	35	42	28	27	37	32	33	45	32	36	36	17	21	33.1		
BATTERY PARK	MAX	42	41	50	41	45	54	58	64	59	60	54	49	50	43	62	59	50	62	48	38	56	39	58	54	47	42	70	65	36	33	51.0		
	MIN	33	27	23	32	37	35	27	36	40	34	40	27	21	26	32	47	38	42	27	23	34	33	32	47	35	35	35	17	21	32.4			
BELTSVILLE	MAX	38	41	40	50	42	55	50	58	62	59	57	49	40	48	49	63	58	54	63	41	40	55	40	55	54	41	42	70	39	29	49.2		
	MIN	31	29	21	24	32	38	27	29	34	30	35	30	28	28	22	24	28	35	40	28	31	31	32	33	39	34	36	36	19	19	28.9		
BENSON POLICE BARRACKS	MAX	39	40	45	42	46	53	56	60	62	56	55	38	40	46	42	53	52	53	60	52	39	52	48	50	58	42	40	58	50	37	34	48.3	
	MIN	27	29	21	27	34	38	27	34	31	31	37	26	25	26	18	23	30	27	29	27	18	34	25	30	42	30	34	34	33	9	18	28.5	
BLACKWATER	MAX	43	43	47	48	53	59	59	63	63	53	49	45	47	41	38	48	62	57	61	60	46	56	53	59	57	50	47	68	62	43	55	52.1	
	MIN	34	32	24	24	42	52	33	35	39	35	33	36	34	30	28	34	33	44	49	35	27	42	37	37	50	40	39	40	39	25	25	35.7	
BRIGHTON DAM	MAX	49	51	48	43	47	54	57	60	55	62	56	47	46	47	48	60	56	54	62	58	48	52	42	56	56	54	43	70	42	35	52.5		
	MIN	32	30	20	30	37	40	32	27	32	29	40	30	29	25	28	24	33	30	40	27	16	35	28	32	35	33	36	35	17	20	30.2		
BRIGHTWOOD DC	MAX	39	42	41	47	42	55	52	59	61	57	58	48	40	48	49	45	61	59	55	63	40	40	55	40	56	55	44	42	70	40	32	49.5	
	MIN	33	30	28	28	33	40	35	39	42	39	39	32	32	34	28	29	45	42	42	30	28	31	36	34	39	36	38	38	20	34	31.1		
BROOKSIDE MANOR	MAX	43	42	50	43	48	55	60	63	60	59	55	44	50	50	45	63	61	51	54	48	41	57	56	55	46	43	71	66	33	43	51.8		
	MIN	34	29	21	33	38	40	27	30	34	31	42	31	28	27	23	25	38	35	43	29	21	36	34	46	36	34	38	33	19	22	31.9		
CAMBRIDGE	MAX	42	43	48	45	59	59	58	64	58	45	47	43	48	49	43	60	63	64	62	52	43	53	51	60	54	47	48	72	62	37	55	52.1	
	MIN	31	30	23	25	39	31	28	35	36	34	41	34	33	33	26	27	34	39	44	31	25	40	42	34	48	42	38	36	21	21	33.4		
CHARLOTTE HALL	MAX	47	45	49	42	48	59	60	62	60	56	52	43	47	52	47	65	62	56	65	55	41	58	53	60	59	48	47	71	69	40	33	53.3	
	MIN	32	28	23	31	38	43	30	40	41	37	42	31	29	34	27	33	42	43	34	25	38	36	35	47	38	36	39	36	20	23	34.7		
CHELTENHAM	MAX	38	44	41	50	42	58	54	59	65	63	59	50	49	51	45	64	65	59	65	41	41	41	41	41	59	55	45	44	72	41	36	50.8	
	MIN	30	27	21	22	32	40	28	32	40	35	39	31	27	28	28	29	36	42	41	30	24	31	32	32	41	37	34	36	35	20	17	31.5	
CHESTERTOWN	MAX	42	42	47	45	58	58	55	63	56	46	49	38	47	48	43	57	57	49	63	40	49	54	39	53	54	45	44	66	47	34	35	49.1	
	MIN	32	31	26	30	39	38	34	37	39	37	38	32	31	33	25	32	46	34	40	28	26	38	32	38	40	34	35	38	32	21	22	33.5	
CHESWILL BRIDGEPORT	MAX	38	40	45	44	44	51	58	54	57	52	51	40	44	47	40	60	55	45	54	43	35	45	40	46	55	44	43	61	54	30	32	46.7	
	MIN	30	30	22	33	35	36	32	40	34	31	38	28	28	28	25	28	36	30	40	25	22	31	29	32	42	36	35	29	13	18	30.7		
CLEAR SPRING	MAX	39	41	45	44	41	50	59	57	55	54	54	41	45	46	43	58	54	48	56	46	35	48	41	45	60	41	42	62	57	36	32	47.6	
	MIN	32	32	28	33	36	38	38	38	42	35	38	27	30	31	27	29	38	35	39	26	20	25	32	32	40	34	34	37	34	14	19	32.4	
COLEMAN	MAX	39	41	48	46	57	57	55	61	55	47	52	44	47	47	43	58	54	51	63	50	41	55	42	51	53	45	43	59	47	38	34	49.1	
	MIN	30	32	26	29	37	37	33	37	38	37	39	30	32	33	25	28	38	33	43	30	26	38	30	34	43	32	34	36	35	19	21	32.7	
COLLEGE PARK UNIV OF MD	MAX	46	41	50	45	46	55	59	63	59	59	59	47	49	49	45	64	60	55	63	54	40	56	50	56	56	50	43	71	70	38	34	52.7	
	MIN	34	32	23	33	38	42	31	31	37	32	42	31	30	29	24	28	37	38	42	30	23	36	34	33	49	35	38	37	19	22	33.1		
CONOWINGO DAM	MAX	39	41	42	41	50	53	54	60	50	51	48	37	44	45	36	48	52	46	57	41	40	48	38	45	49	41	43	49	45	30	34	45.1	
	MIN	31	25	24	31	36	34	28	30	35	34	37	30	30	30	22	26	33	30	40	26	26	31	28	35	39	34	35	38	29	19	23	30.6	
CONOWINGO POLICE BRKS	MAX	40	40	44	40	50	50	57	60	57	54	54	40	41	46	42	50	50	46	59	48	48	47	45	45	48	40	40	46	45	34	39	46.6	
	MIN	27	29	23	27	34	38	27	29	32	31	36	26	26																				

DAILY TEMPERATURES

MARYLAND AND DELAWARE

JANUARY 1949

Table 5-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	
NATIONAL ARBORETUM DC	MAX	42	42	49	47	45	55	59	64	61	58	58	48	50	50	47	65	65	56	64	54	40	58	53	56	56	50	44	72	71	39	34	53.3
	MIN	33	30	24	32	38	42	32	36	39	34	33	31	32	32	25	29	49	40	43	29	24	37	35	33	49	36	36	38	37	19	22	33.8
	MAX	28	27	47	42	55	51	49	52	60	53	47	39	30	37	41	56	56	56	58	35	38	47	59	56	56	52	59	41	21	36	45.8	
OWINGS FERRY LANDING	MIN	16	20	13	31	35	27	29	40	31	30	35	25	24	30	16	26	35	34	16	22	35	29	33	44	38	37	41	21	2	18	28.0	
	MAX	43	42	50	41	47	59	59	62	60	53	50	44	49	53	46	64	63	55	66	54	41	60	49	60	59	48	46	73	68	38	33	52.7
	MIN	32	27	22	31	37	41	30	39	37	33	40	30	28	31	26	32	50	41	43	28	24	37	34	33	46	36	34	37	35	19	22	33.4
OXFORD	MAX	42	42	47	45	55	58	55	60	52	48	45	44	47	48	49	59	57	52	61	54	45	53	47	57	57	48	46	63	60	39	35	50.6
	MIN	31	32	25	33	39	30	34	39	39	37	41	32	34	37	28	31	46	40	46	34	31	37	34	36	46	37	38	37	23	23	35.1	
	MAX	36	40	42	48	46	46	56	58	62	60	52	41	42	40	38	62	56	46	56	42	36	44	39	66	64	46	44	64	49	26	36	47.9
PICARDY	MIN	28	28	21	34	38	33	35	46	38	41	38	29	29	30	31	28	44	37	42	22	26	32	31	33	46	37	38	38	25	10	18	32.5
	MAX	37	39	46	48	47	55	56	57	54	50	55	43	44	48	43	56	58	54	60	53	43	52	43	55	54	47	42	64	64	35	33	49.8
	MIN	30	30	26	31	36	40	32	38	35	35	39	29	28	31	24	32	38	34	40	28	26	35	32	32	48	32	36	33	16	20	32.3	
POCOMOKE CITY	MAX	43	45	54	49	63	61	58	61	61	57	52	48	46	51	50	62	65	63	65	61	51	63	54	62	58	52	68	64	40	48	55.7	
	MIN	30	33	25	37	43	48	31	41	40	35	43	36	33	34	28	30	48	44	50	34	30	42	34	41	46	38	41	39	26	27	37.1	
	MAX	36	38	44	41	46	52	54	58	51	58	50	38	41	42	38	55	52	47	58	45	34	47	40	47	53	47	51	52	32	31	45.5	
PRETTYBOY DAM	MIN	28	29	25	29	35	37	31	40	42	36	36	27	26	31	22	27	41	32	39	25	22	32	27	30	42	31	34	34	30	13	19	30.7
	MAX	45	45	49	47	63	62	57	63	61	56	50	46	46	51	50	60	64	63	64	61	50	58	53	61	59	52	53	66	67	43	43	55.3
	MIN	34	32	20	34	43	47	27	35	36	32	43	35	28	34	25	27	49	43	49	33	23	42	43	33	48	42	38	40	38	24	29	35.5
RANDALLSTOWN POLICE BRKS	MAX	38	37	45	40	45	52	54	59	54	50	56	41	44	45	41	56	55	50	59	51	37	51	41	52	53	46	40	65	67	35	32	48.4
	MIN	28	29	23	30	35	38	30	37	36	35	38	28	27	26	23	23	45	32	40	25	21	38	31	31	47	32	32	32	34	15	15	30.9
	MAX	37	39	46	48	47	55	56	57	54	50	55	43	44	48	43	56	58	54	60	53	43	52	43	55	54	47	42	64	64	35	33	49.8
RIDGELY	MIN	30	30	26	31	36	40	32	38	35	35	39	29	28	31	24	32	38	34	40	28	26	35	32	32	48	32	36	33	16	20	32.3	
	MAX	43	45	54	49	63	61	58	61	61	57	52	48	46	51	50	62	65	63	65	61	51	63	54	62	58	52	68	64	40	48	55.7	
	MIN	30	33	25	37	43	48	31	41	40	35	43	36	33	34	28	30	48	44	50	34	30	42	34	41	46	38	41	39	26	27	37.1	
RIVERDALE	MAX	36	38	44	41	46	52	54	58	51	58	50	38	41	42	38	55	52	47	58	45	34	47	40	47	53	47	51	52	32	31	45.5	
	MIN	28	29	25	29	35	37	31	40	42	36	36	27	26	31	22	27	41	32	39	25	22	32	27	30	42	31	34	34	30	13	19	30.7
	MAX	45	45	49	47	63	62	57	63	61	56	50	46	46	51	50	60	64	63	64	61	50	58	53	61	59	52	53	66	67	43	43	55.3
PRINCESS ANNE	MIN	34	32	20	34	43	47	27	35	36	32	43	35	28	34	25	27	49	43	49	33	23	42	43	33	48	42	38	40	38	24	29	35.5
	MAX	38	37	45	40	45	52	54	59	54	50	56	41	44	45	41	56	55	50	59	51	37	51	41	52	53	46	40	65	67	35	32	48.4
	MIN	28	29	23	30	35	38	30	37	36	35	38	28	27	26	23	23	45	32	40	25	21	38	31	31	47	32	32	32	34	15	15	30.9
ROCK CREEK FOREST	MAX	41	41	47	45	58	61	56	57	58	51	48	45	46	48	45	59	61	54	63	54	44	54	48	57	55	49	49	70	64	39	35	51.7
	MIN	28	30	22	29	38	39	31	33	39	35	39	30	27	30	32	28	43	36	40	29	23	38	29	35	44	33	34	35	34	19	20	32.3
	MAX	43	42	50	43	47	55	60	64	60	57	53	45	50	50	46	65	60	47	64	50	40	57	48	57	54	48	44	72	64	38	36	51.9
ROCK HALL	MIN	30	30	20	33	38	42	27	29	35	30	42	31	27	27	22	25	35	35	42	26	19	36	34	33	47	35	34	38	36	19	22	31.6
	MAX	41	41	47	45	49	56	53	57	54	45	49	45	46	49	43	56	57	54	58	55	48	54	45	53	53	48	43	66	58	39	35	49.7
	MIN	32	28	23	30	39	35	35	32	35	35	38	31	32	35	30	28	34	32	44	30	25	38	32	37	45	34	35	38	37	20	22	32.9
ROCKVILLE	MAX	42	40	49	46	46	54	57	60	56	61	58	45	48	49	46	60	60	54	61	54	55	49	56	56	50	42	70	68	37	30	52.1	
	MIN	33	28	24	32	37	33	31	40	41	41	40	30	29	32	27	32	49	39	39	28	26	26	26	26	51	34	34	37	35	18	18	32.8
	MAX	42	42	47	44	54	58	55	59	58	48	48	43	46	50	44	57	59	54	61	54	44	54	50	57	57	48	47	69	64	40	35	51.2
ROYAL OAK	MIN	32	32	25	31	40	43	31	36	39	35	43	33	34	36	27	29	46	42	47	34	26	40	35	36	48	38	38	37	23	22	35.4	
	MAX	44	45	49	47	63	61	59	65	63	58	50	48	47	50	48	60	62	60	65	60	49	58	57	61	60	51	52	69	67	41	43	55.2
	MIN	32	30	22	35	40	45	29	35	38	34	33	30	34	35	28	44	42	47	33	26	42	31	39	48	40	38	38	37	23	22	34.9	
SALISBURY	MAX	43	44	47	46	62	64	57	66	64	52	48	46	46	49	47	60	62	58	67	58	49	58	58	60	59	51	52	70	65	44	43	54.5
	MIN	32	34	23	33	40	47	29	35	37	33	43	33	30	35	31	27	46	42	47	31	24	42	30	39	49	39	40	38	23			

STATION INDEX

MARYLAND AND DELAWARE

JANUARY 1949

Station	Index No.	County	Drainage	Latitude	Longitude	Elev. (ft.)	Time of observation			Years of record			Observer	Refer to tables
							Zone	Temp.	Precip.	Temp.	Precip.	Evap.		
DELAWARE														
BRIDGEVILLE	1330	SUSSEX	CHESAPEAKE	38 44	75 38	45	EST	6P	6P	59	59		W M RAY	2 3 5
DELAWARE CITY REEDY POINT	2625	NEW CASTLE	COASTAL	39 34	75 35	10	EST	4P	4P	63	63		J E MADEN	2 3 5
DOVER	2730	KENT	COASTAL	39 10	75 32	34	EST	4P	4P	62	62		F J BOWERY	2 3 5
GEORGETOWN	3570	SUSSEX	CHESAPEAKE	38 39	75 27	50	EST	6P	6P	4	4		E F TURNER	2 3 5
LEWES	3520	SUSSEX	COASTAL	38 46	75 08	10	EST	8P	8P	5	5		E E LYNCH	2 3 5
MILFORD	5915	SUSSEX	COASTAL	38 55	75 25	20	EST	6P	6P	54	54		L C MARKERT	2 3 5
MILLSBORO	6020	SUSSEX	COASTAL	38 35	75 19	20	EST	6P	6P	57	57		P C TOWNSEND	2 3 5
NEWARK PUMPING STATION	6405	NEW CASTLE	COASTAL	39 40	75 45	110	EST		MID		18		G C PRICE	3
NEWARK COLLEGE FARM	6410	NEW CASTLE	COASTAL	39 39	75 46	110	EST	6P	6P	37	37		FRED COLLINS	2 3 5
SMYRNA	8510	KENT	COASTAL	39 15	75 36	45	EST	6P	6P	2	2		C M EWING	2 3 5
WILMINGTON WB NEW CASTLE	9595	NEW CASTLE	COASTAL	39 40	75 36	73	EST	MID	MID	2	2		U S WEATHER BUREAU	2 3 4 5
WILMINGTON CITY HALL	9600	NEW CASTLE	COASTAL	39 45	75 33	99	EST		5P		56		STREET DEPARTMENT	3
WILMINGTON PORTER RESERVOIR	9605	NEW CASTLE	COASTAL	39 46	75 32	260	EST	MID	MID	38	38		WATER DEPARTMENT	2 3 5
DISTRICT OF COLUMBIA														
BRIGHTWOOD	1135		POTOMAC	38 57	77 01	260	EST	8A		3	3		BENJ C CRUCKSHANKS	2
DALECARLIA RESERVOIR	2325		POTOMAC	38 56	77 07	146	EST	2P	2P	4	4		JAMES L KERRICK	2 3 5
NATIONAL ARBORETUM	6350		POTOMAC	38 54	76 58	70	EST	3P	3P	4	4		JAMES R HARLOW	2 3 5
U S SOLDIERS HOME	9035		POTOMAC	38 56	77 01	230	EST	7A	7A	5	5		R C PRATT	2 3 5
WASHINGTON WB CITY	9290		POTOMAC	38 54	77 03	72	EST	MID	MID	79	79		U S WEATHER BUREAU	2 3 4 5
MARYLAND														
ABERDEEN PROVING GROUND	0015	HARFORD	CHESAPEAKE	39 28	76 10	62	EST	MID	MID	31	31		U S ARMY	2 3 5
ANNAPOLIS U S NAVAL ACADEMY	0185	ANNE ARUNDEL	CHESAPEAKE	38 59	76 28	40	EST	MID	MID	84	84		U S NAVY	2 3 4 5
BALTIMORE WB AIRPORT	0465	BALTIMORE	CHESAPEAKE	39 15	76 32	16	EST	MID	MID	15	15		U S WEATHER BUREAU	2 3 4 5
BALTIMORE WB CITY	0470	BALTIMORE	CHESAPEAKE	39 17	76 37	14	EST	MID	MID	79	79		U S WEATHER BUREAU	2 3 4 5
BALTIMORE HAMILTON	0475	BALTIMORE	CHESAPEAKE	39 23	76 33	355	EST	6P	6P	2	2		R G BAUER JR	2 3 5
BATTERY PARK	0565	MONTGOMERY	POTOMAC	39 00	77 07	338	EST	5P	5P	4	4		RAY K LINSLEY	2 3 5
BELTSVILLE	0700	PRINCE GEORGES	POTOMAC	39 02	76 53	120	EST	8A	8A	12	12		J B SHEPHERD	2 3 4 5 6
BENSON POLICE BARRACKS	0732	HARFORD	CHESAPEAKE	39 30	76 23	365	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
BETHESDA	0795	MONTGOMERY	POTOMAC	38 58	77 07	220	EST		MID		5		U S ENGINEERS	3 4
BLACKWATER	0915	DORCHESTER	CHESAPEAKE	38 26	76 08	5	EST	4P	4P	9	9		NATL WILDLIFE REFUGE	2 3 5
BRIGHTON DAM	1125	MONTGOMERY	PATUXENT	39 13	77 02	350	EST		5P		4		FRED S GILPIN	3
BROOKDALE	1170	MONTGOMERY	POTOMAC	38 57	77 06	260	EST		7P		4		B FRANCIS DAHSIELL	3
BROOKSIDE MANOR	1180	PRINCE GEORGES	POTOMAC	38 58	76 58	50	EST	6P	6P	4	4		RALPH HIGGS	2 3 5
BURNT MILLS RESERVOIR	1278	MONTGOMERY	POTOMAC	39 02	77 00	220	EST		8A		4		J M JESTER	3
CAMBRIDGE	1385	DORCHESTER	CHESAPEAKE	38 34	76 09	15	EST	7P	7P	55	55		D'ARCY HARDING	2 3 5
CHARLOTTE HALL	1685	ST MARYS	PATUXENT	38 28	76 44	167	EST	6P	6P	28	28		J B TENNYSON	2 3 5
CHELTERHAM	1710	PRINCE GEORGES	PATUXENT	38 44	76 51	230	EST	7A	7A	49	49		U S MAGNETIC OBS	2 3 5
CHESTERTOWN	1750	KENT	CHESAPEAKE	39 13	76 04	35	EST	11P	11P	44	44		T W ELIASON JR	2 3 5
CHESWILVILLE BRIDGEPORT	1790	WASHINGTON	POTOMAC	39 38	77 44	560	EST	SS	SS	52	52		D PAUL OSWALD	2 3 5
CLEAR SPRING	1890	WASHINGTON	POTOMAC	39 40	77 54	560	EST	5P	5P	50	50		MRS L A CORILL	2 3 5
COCKEYSVILLE	1960	BALTIMORE	CHESAPEAKE	39 27	76 39	390	EST		SS		2		D M PARKS	3 4
COLEMAN	1980	KENT	CHESAPEAKE	39 21	76 07	80	EST	SS	SS	52	52		W B HARRIS	2 3 5
COLLEGE PARK UNIV OF MD	1995	PRINCE GEORGES	POTOMAC	38 59	76 56	95	EST	5P	5P	63	63		R G BROWN	2 3 5
CONOWINGO DAM	2060	HARFORD	SUSQUEHANNA	39 39	76 10	40	EST	MID	MID	14	14		SUSQUEHANNA KLEC CO	2 3 5
CONOWINGO POLICE BARRACKS	2065	HARFORD	SUSQUEHANNA	39 39	76 11	195	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
CRISFIELD	2205	SOMERSET	CHESAPEAKE	37 59	75 51	5	EST	5P	5P	30	30		G C ADAMS SR	2 3 5
CUMBERLAND	2280	ALLEGANY	POTOMAC	39 39	78 48	623	EST	8A	8A	79	79		R R GOLDEN	2 3 5
CUMBERLAND POLICE BARRACKS	2285	ALLEGANY	POTOMAC	39 40	78 47	880	EST	6P	6P	2	2		MD STATE POLICE	2 3 5
DISTRICT HEIGHTS	2585	PRINCE GEORGES	POTOMAC	38 51	76 54	272	EST	6P	6P	4	4		J P KOHLER	2 3 5
EASTON POLICE BARRACKS	2700	TALBOT	CHESAPEAKE	38 46	76 01	60	EST	5P	5P	59	59		MD STATE POLICE	2 3 5
EDGE MONT	2770	WASHINGTON	POTOMAC	39 40	77 33	920	EST		8A		11		LEE G HARNE	3
ELKTON	2860	CECIL	CHESAPEAKE	39 36	75 50	28	EST	6P	6P	23	23		H W BOUCHELLE	2 3 5
EMMITSBURG	2905	FREDERICK	POTOMAC	39 41	77 21	720	EST	5P	5P	83	83		MT ST MARYS SEMINARY	2 3 5
FALLSTON	3050	HARFORD	CHESAPEAKE	39 30	76 24	450	EST	6P	6P	80	80		MISS ETHEL CURTISS	2 3 5
FORT GEORGE G MEADE	3230	ANNE ARUNDEL	PATUXENT	39 07	76 46	195	EST	MID	6P	8	8		U S ARMY	2 3 5
FREDERICK	3345	FREDERICK	POTOMAC	39 25	77 25	297	EST	5P	5P	80	80		D J MARKEY JR	2 3 5
FREDERICK POLICE BARRACKS	3348	FREDERICK	POTOMAC	39 25	77 25	380	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
FREDERICK WB AIRPORT	3350	FREDERICK	POTOMAC	39 25	77 23	291	EST	10P	10P	6	6		U S WEATHER BUREAU	2 3 5
FREDERICK 3 MI E	3355	FREDERICK	POTOMAC	39 24	77 22	385	EST		8A		1		GLENNA R STALEY	3
FRIENDSVILLE	3400	GARRETT	YOUNGHOUGHENY	39 40	79 25	1980	EST	6P	6P	27	27		HARRY N SAVAGE	2 3 5
FROSTBURG	3410	ALLEGANY	POTOMAC	39 39	78 55	2100	EST	6P	6P	48	48		C A SUTER JR	2 3 5
GERMANTOWN	3585	MONTGOMERY	POTOMAC	39 10	77 23	460	EST	6P	6P	29	29		R F STALEY	2 3 5
GLEN ECHO	3645	MONTGOMERY	POTOMAC	38 58	77 09	150	EST		MID		5		U S ENGINEERS	3 4
GLENELG	3655	HOWARD	PATUXENT	39 16	76 59	630	EST	6P	6P	3	3		JACOB S BROWN	2 3 5
GLENN DALE BELL STATION	3675	PRINCE GEORGES	PATUXENT	38 58	76 48	151	EST	4P	4P	29	29		BUREAU PLANT INDUSTRY	2 3 5
GRANTSVILLE	3795	GARRETT	OHIO	39 42	79 09	2300	EST		MID		7		MARY R BITTINGER	3 4
GRASONVILLE	3805	QUEEN ANNES	CHESAPEAKE	38 57	76 13	8	EST	6P	6P	2	2		MISS CAROLYN COURSEY	2 3 5
GREAT FALLS	3855	MONTGOMERY	POTOMAC	39 00	77 15	200	EST	5P	8A	61	61		U S ENGINEERS	2 3 5
GREENBELT	3860	PRINCE GEORGES	POTOMAC	39 01	76 52	200	EST	8A	8A	1	1		WILLIAM H KLINE	2 3 5
GROSVENOR LANE	3930	MONTGOMERY	POTOMAC	39 01	77 09	330	EST	6P	6P	3	3		A F MAGRUM	2 3 5
HAGERSTOWN	3975	WASHINGTON	POTOMAC	39 39	77 44	660	EST	6P	6P	8	8		WILLIAM M HAMBY	2 3 5
HANCOCK FRUIT LABORATORY	4030	WASHINGTON	POTOMAC	39 42	78 11	428	EST	8A	8A	16	16		CHARLES O DUNBAR	2 3 5
HUNTINGTOWN	4485	CALVERT	CHESAPEAKE	38 37	76 37	160	EST	7P	7P	14	14		ELMER O BOWEN	2 3 5
KEDYSVILLE	4780	WASHINGTON	POTOMAC	39 29	77 42	420	EST	6P	6P	46	46		TRAVIS D KNODE	2 3 4 5
LA PLATA	5080	CHARLES	POTOMAC	38 32	76 58	190	EST	7P	7P	35	35		WALLACE S BARNES	2 3 5
LEONARDTOWN	5200	ST MARYS	POTOMAC	38 18	76 38	100	EST	5P	5P	15	15		THOMAS E STOKEL	2 3 4 5
LUKE	5590	ALLEGANY	POTOMAC	39 29	79 03	950	EST		8A		12		J G PATRICK	2 3 5
MARYLAND LINE	5715	BALTIMORE	CHESAPEAKE	39 43	76 59	840	EST	5P	5P	25	25		CHESTER L FULTON	2 3 5
MILLINGTON	5985	KENT	CHESAPEAKE	39 15	75 50	27	EST	SS	SS	52	52		HENRY L HIGHMAN	2 3 5
OAKLAND	6620	GARRETT	MONONGAHELA	39 24	79 24	2420	EST	5P	5P	52	52		R E WEBER	2 3 5
OWINGS FERRY LANDING	6770	CALVERT	CHESAPEAKE	38 42	76 41	120	EST	7P	7P	33	33		THOMAS J BOURNE	2 3 5
OXFORD	6785	TALBOT	CHESAPEAKE	38 42	76 10	10	EST	5P	5P	13	13		HENRY WILCOX	2 3 5
PATUXENT RIVER	6915	ST MARYS	COASTAL	38 17	76 24	74	EST		MID		6		U S NAVAL AIR STATION	3 4
PERRY POINT	6980	CECIL	CHESAPEAKE	39 34	76 04	40	EST		6P		9		VETERANS ADMINISTRATION	3
PICARDY	7010	ALLEGANY	POTOMAC	39 33	76 30	1030	EST	6P	6P	23	23		OSCAR R DAY	2 3 5
PIKESVILLE POLICE BARRACKS	7015	BALTIMORE	PATAPSCO	39 22	76 43	485	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
POCOMOKE CITY	7140	WORCESTER	CHESAPEAKE	38 04	75 34	16	EST	5P	5P	42	42		RAYMOND PHILLIPS	2 3 5
PRETTY BOY DAM	7315	BALTIMORE	CHESAPEAKE	39 38	76 42	780	EST	5P	5P	19	19		C W HENDRIX	2 3 5
PRINCESS ANNE	7330	SOMERSET	CHESAPEAKE	38 12	75 40	17	EST	5P	5P	75	75		GLEN R BELLINGER	2 3 5
RANDALLSTOWN POLICE BARRACKS	7435	BALTIMORE	PATAPSCO	39 23	76 48	625	EST	5P	5P	2	2		MD STATE POLICE	2 3 5

Continued

STATION INDEX

MARYLAND AND DELAWARE

JANUARY 1949

Station	Index No.	County	Drainage	Latitude	Longitude	Elev. (ft.)	Time of observation			Years of record			Observer	Refer to tables
							Zone	Temp.	Precip.	Temp.	Precip.	Evap.		
RIDGELY	7575	CAROLINE	CHESAPEAKE	38 57	75 53	67	EST	6P	6P	59	59		J K SNOWBERGER	2 3 5
RIVERDALE	7615	PRINCE GEORGES	POTOMAC	38 58	76 56	45	EST	6P	6P	4	4		R T ZOCH	2 3 5
ROCK CREEK FOREST	7690	MONTGOMERY	POTOMAC	39 00	77 04	200	EST	6P	6P	4	4		CHARLES O SCHICK	3
ROCK HALL	7700	KENT	CHESAPEAKE	39 08	76 14	15	EST	6P	6P	36	36		EDWIN URIE	2 3 5
ROCKVILLE	7705	MONTGOMERY	POTOMAC	39 05	77 09	440	EST	5P	5P	2	2		MONTGOMERY CO POLICE	2 3 5
ROYAL OAK	7806	TALBOT	CHESAPEAKE	38 43	76 11	10	EST	6P	6P	2	2		J L SWAINE JR	2 3 5
SALISBURY	8000	WICOMICO	CHESAPEAKE	38 22	75 37	10	EST	4P	4P	43	43		CITY OF SALISBURY	2 3 5
SALISBURY POLICE BARRACKS	8003	WICOMICO	CHESAPEAKE	38 25	75 34	42	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
SALISBURY MUNICIPAL AIRPORT	8005	WICOMICO	CHESAPEAKE	38 20	75 30	46	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
SAVAGE RIVER DAM	8065	GARRETT	POTOMAC	39 30	79 08	1460	EST		8A				ANNA WILT	3
SHARPTOWN	8210	WICOMICO	CHESAPEAKE	38 33	75 43	10	EST		MID		8		WALTER G MANN	3 4
SINES DEEP CREEK	8315	GARRETT	YOUNGHIOTHENY	39 31	79 25	2030	EST	MID	MID	25	25		C E MAC MURRAY	2 3 4 5
SNOW HILL	8380	WORCESTER	CHESAPEAKE	38 11	75 24	18	EST	5P	5P				J OSCAR CARMEAN	2 3 5
SOLOMONS	8405	CALVERT	CHESAPEAKE	38 19	76 27	20	EST	6P	6P	58	58		CHESAPEAKE BIOLOGICAL LAB	2 3 5
TAKOMA PARK BALTO AVE	8720	MONTGOMERY	POTOMAC	38 59	77 01	320	EST	6P	6P	51	51		GUY L SEAMAN	2 3 5
TAKOMA PARK MISS AVE	8725	MONTGOMERY	POTOMAC	38 59	77 00	230	EST	7P	7P	5	5		O L HARVEY	2 3 5
TONOLOWAY	8855	WASHINGTON	POTOMAC	39 40	78 12	550	EST	6P	6P	25	25		R SAMUEL DILLON JR	2 3 5
TOWSON	8877	BALTIMORE	PATAPSCO	39 24	76 36	415	EST	5P	5P		37		BALTIMORE CO POLICE	2 3 5
UNIONVILLE	9030	FREDERICK	POTOMAC	39 28	77 11	450	EST	6P	6P	10	8		G P VON EIFF JR	2 3 4 5
WALDORF POLICE BARRACKS	9195	CHARLES	POTOMAC	38 39	76 53	210	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
WATERLOO POLICE BARRACKS	9314	HOWARD	PATAPSCO	39 10	76 47	230	EST	5P	5P	2	2		MD STATE POLICE	2 3 5
WEST LANHAM HILLS	9400	PRINCE GEORGES	POTOMAC	38 57	76 53	165	EST	6P	6P	2	2		LILBURN H SEAMON	2 3 5
WESTERN PORT	9405	ALLEGANY	POTOMAC	39 29	79 02	1000	EST	6P	6P	56	56		MORRIS BRUCE	2 3 5
WESTMINSTER	9435	CARROLL	CHESAPEAKE	39 35	77 00	770	EST	6P	6P	40	40		H J MATHIAS	2 3 5
WHALEYSVILLE	9497	WORCESTER	CHESAPEAKE	38 24	75 18	32	EST	5P	5P				R E WIMBROW	2 3 5
WHITE HALL	9507	BALTIMORE	CHESAPEAKE	39 37	76 38	350	EST		5P		2		BLAINE MC COLLUM	3
WILLIAMSPORT	9570	WASHINGTON	POTOMAC	39 37	77 51	360	EST		7A		11		R C WILLSON	3
WILLIS SCHOOL FILTER PLANT	9579	PRINCE GEORGES	PATUXENT	39 06	76 54	400	EST		8A		4		ROBERT E CRAVER	3
WOODSTOCK COLLEGE	9750	BALTIMORE	CHESAPEAKE	39 20	76 53	415	EST	6P	6P	80	80		WOODSTOCK COLLEGE	2 3 5

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station 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 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.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperatures 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 6.

When hourly precipitation is missing or accumulated for several days, only the first and last days are shown in Table 4.

Amounts in Table 4 are from recording gages. Traces are not shown.

Amounts in Table 3 are from non-recording gages, unless otherwise indicated.

Data in Tables 3, 5 and 6 are for the 24 hours ending at time of observation. See the Station Index for observation time.

- No record.
- + And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with a windshield.
- 6 Precipitation measured at 6-hourly intervals, no recording gage.
- SS This entry in time of observation column in Station Index means sunset.
- M One or more days of record missing; see Table 5 for detailed daily record.
- R Station equipped with recording gage only.
- T Trace, an amount too small to measure.
- Z Hourly amounts from a recording gage at the same site may be found in Table 4.

Subscription Price: 15¢ per copy; \$1.50 a year. (Yearly subscription includes Annual Summary.) Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, Federal Building, Albany 1, N.Y.

W.R.P.C., Albany, N.Y.---4-15-49--1375