

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

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CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1948

Volume LII No. 10



MARYLAND AND DELAWARE - OCTOBER 1948

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

GENERAL SUMMARY

Mean temperatures for the month were below normal at all stations in the section but rainfall over the two-state area varied rather widely. Temperatures were below normal by the greatest amounts, 3 to 4 degrees, in a belt extending from Frederick and Carroll Counties southeastward across Howard, Anne Arundel, Calvert, Talbot, and portions of Dorchester and Wicomico Counties. Other large deficiencies were reported from northern Delaware, extreme northeastern Maryland and portions of western Maryland. Temperatures averaged nearest to the normal in portions of Baltimore and Kent Counties. The coldest period was from the 15th to the 20th when the first freezing temperatures were reported, except in Garrett County where freezing temperatures occurred in September and in the immediate vicinity of the larger water areas where the advent of freezing weather was delayed. Most stations reported the first killing frost on the 19th. Another cool period prevailed from the 3rd to the 6th. There were no unusually warm periods during the month.

Although October rainfall averaged well above normal, the distribution over the two-state area was erratic. Sussex County, Delaware, and Wicomico, Somerset, Worcester, Charles, St. Marys, Calvert, Southern Prince Georges, Washington and Allegheny Counties of Maryland were from one to three inches above normal. New Castle County, Delaware, and Cecil and portions of Harford and Kent Counties, Maryland, were from one to two inches below average. Distribution of the rainfall through the month was fairly good.

High winds were reported in the 5th, 6th, 13th, 18th, 20th and 24th-26th. Occurrences of fog and thunderstorms, although ordinarily few at this season, were below normal.

Good progress was made during the month in picking and husking a good corn crop. Practically all winter grains and cover grasses were seeded and most early sown fields were up to good stands. However, fields in northern Delaware and northeastern Maryland were germinating slowly due to deficient soil moisture. The last of the truck crops were harvested before the middle of the month frosts. Picking of a light crop of apples was almost completed. Pastures were very good for the season, except only fair to good in the northeastern portion of the section.

TEMPERATURE

The monthly mean temperature for the section was 54.2 degrees, 2.2 degrees below normal; for Maryland, 54.1 degrees, 2.2 degrees below normal; and for Delaware, 54.9 degrees, 2.6 degrees below normal.

For Maryland, the monthly mean temperature varied from 59.9 degrees at Crisfield, to 47.2 degrees at Sines. The highest temperature was 88 degrees on the 1st at Coleman, and the lowest was 19 degrees on the 19th at Cumberland (Police Barracks). The greatest local monthly temperature range was 59 degrees at Cumberland (Police Barracks), ranging from 78 degrees on the 1st to 19 degrees on the 19th. The least local monthly range was 37 degrees at Oxford, ranging from 73 degrees on the 1st to 36 degrees on the 19th.

For Delaware, the monthly mean temperature varied from 55.8 degrees at Milford to 53.0 degrees at Newark (College Farm). The highest temperature was 80 degrees on the 1st at Milford, Dover and Smyrna, and the lowest was 25 degrees on the 19th at Newark (College Farm). The greatest local monthly temperature range was 53 degrees at Newark (College Farm), having a high reading of 78 degrees on the 1st and a low reading of 25 degrees on the 19th. The least local monthly range was 48 degrees at Lewes with a high reading of 79 degrees on the 1st and a low reading of 31 degrees on the 19th, and at Wilmington (Porter Reservoir) where a high reading of 77 degrees on the 1st and a low reading of 29 degrees on the 19th occurred.

PRECIPITATION

The monthly average for the section was 3.56 inches, 0.53 inch above normal; for Maryland, 3.52 inches, 0.51 inch above normal; and for Delaware, 3.81 inches, 0.70 inch above normal. For Maryland, it was greatest at Salisbury with 5.59 inches, and least at Elkton with 1.02 inch. The greatest 24 hour amount was 3.72 inches on the 5th at Crisfield. For Delaware, the monthly precipitation was greatest at Georgetown with 6.81 inches, and least at Wilmington (New Castle Airport) with 1.25 inch. The greatest 24 hour rainfall was 3.06 inches on the 6th at Georgetown.

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

OCTOBER 1948

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	AVERAGE PERCENT	
ABERDEEN PROV GROUND, MD	30.46	22	29.65	8	-	-	-	-	88	88	72	84	-	-
ANNAPOLIS NAVAL ACAD, MD	30.52	22	29.71	8	-	-	-	-	77	82	66	70	-	-
BALTIMORE WB CITY, MD	30.53	22	29.72	8	10.3	28	NW	18	74	76	54	67	57	268
WASHINGTON WB, D C	30.54	22	29.71	8	7.5	-	-	-	81	85	56	68	-	283

TABLE 1
COMPARATIVE DATA

MARYLAND							DELAWARE						
YEAR	TEMP., °F.			PRECIP., INCHES			YEAR	TEMP., °F.			PRECIP., INCHES		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 IN. OR MORE		MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 IN. OR MORE
1895	50.7	82	4	1.93	T	4	1895	55.9	88	15	0.40	0.0	2
1896	52.4	85	16	1.44	T	5	1925	50.9	85	16	5.49	3.4	15
1897	56.6	91	20	2.94	0.0	8	1926	55.8	94	21	3.40	0.1	10
1898	56.8	89	17	4.87	T	10	1927	58.6	98	24	6.00	0.6	9
1899	57.1	88	15	2.60	0.0	5	1928	57.7	90	13	1.02	T	5
1900	60.6	91	21	2.03	0.0	6	1929	53.4	85	23	5.58	0.1	9
1901	54.8	92	16	1.14	T	4	1930	53.9	89	7	0.74	0.1	5
1902	57.2	89	17	5.72	T	7	1931	59.1	91	22	1.69	T	6
1903	56.5	89	20	4.06	T	7	1932	56.5	88	22	6.35	0.1	9
1904	53.6	91	14	2.60	T	3	1933	54.7	91	16	2.03	T	6
1905	56.5	93	20	2.80	T	6	1934	54.6	85	15	1.25	0.1	4
1906	55.3	82	12	5.17	0.1	14	1935	56.0	88	17	2.75	0.1	8
1907	51.1	83	15	2.34	T	6	1936	57.6	85	16	3.24	T	8
1908	57.3	90	15	2.34	0.0	6	1937	53.4	87	14	7.29	0.1	13
1909	51.5	86	19	1.79	T	6	1938	56.5	92	19	1.75	0.0	7
1910	58.8	92	15	3.21	0.1	7	1939	56.8	94	15	4.83	T	9
1911	56.2	85	23	3.47	T	10	1940	53.1	86	20	2.35	2.2	9
1912	57.9	93	18	1.54	T	4	1941	61.8	99	20	1.63	0.0	7
1913	57.9	92	13	4.55	0.1	11	1942	57.8	87	14	6.77	T	11
1914	59.1	93	19	1.73	T	6	1943	54.2	86	19	5.08	T	9
1915	57.7	88	19	3.85	T	9	1944	54.8	89	17	3.52	T	9
1916	55.4	91	19	1.95	T	5	1945	55.4	85	23	1.43	T	7
1917	50.7	87	18	5.66	1.1	10	1946	59.3	90	24	2.85	T	10
1918	59.6	89	21	1.43	0.0	6	1947	61.8	94	17	1.47	0.0	5
1919	62.3	96	27	3.31	0.0	11	1948	54.0	88	19	3.54	3.0	8
1920	60.2	91	25	0.84	0.1	3	Period	56.2	99	4	3.02	0.2	7
1921	55.7	85	20	1.09	T	5							
1922	58.3	94	15	1.93	0.0	6							
1923	54.8	90	18	2.39	T	6							

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1948

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	100 or more
MARYLAND																		
ABERDEEN PROVING GROUND	53.7	- 2.6	80	1	28	19	4	1.63	-.94	.86	5					7	2	
ANNAPOLIS U S NAVAL ACADEMY	55.8	- 2.3	78	1	36	19		2.88	-.28	1.14	5					9	3	2
BALTIMORE WB AIRPORT	56.3	- 0.9	81	1	36	19+		3.38	-.49	1.65	5					8	3	2
BALTIMORE WB CITY	56.7	- 1.5	80	1	37	19		3.62	-.73	1.87	5					6	4	1
BALTIMORE HAMILTON	54.5		78	1	32	19	1	3.43		1.47	5					8	4	1
BATTERY PARK	53.9		78	1	26	19	2	3.62		1.52	5					9	4	1
BELTSVILLE	53.1	- 3.2	77	2	26	19	4	3.81	-.42	1.39	6					11	4	1
BENSON POLICE BARRACKS	52.9		80	1	25	19	5	2.40		.96	5					9	2	
BLACKWATER	56.8	- 2.0	77	1	30	19	1	2.98	-.03	1.95	5					6	3	1
BROOKSIDE MANOR	55.0		80	1	28	19	3	3.06								7		
CAMBRIDGE	56.1	- 3.0	81	1	29	19	1	3.89	-.72	2.30	5					10	3	1
CHARLOTTE HALL	55.2	- 2.6	78	1+	29	19	2	5.03	1.78							8		
CHELTENHAM	54.6	- 2.6	79	2	28	19	2	4.37	1.36	1.91	6					11	4	2
CHESTERTOWN	55.3	- 1.5	81	1	32	19	1	2.19	-.91	1.08	5					10	2	1
CHEWSTOWN BRIDGEPORT	51.9	- 2.5	79	1+	25	21	4	4.30	1.35	1.28	18					9	5	2
CLEAR SPRING	53.8	- 0.7	79	1	26	19	2	4.16	1.08	1.04	6					6	5	1
COLEMAN	57.3	- 1.0	88	1	32	19	1	1.61	- 1.35	.90	5					7	2	
COLLEGE PARK UNIV OF MARYLAND	55.0	- 0.4	80	1	28	19	3	3.41	-.53	1.25	5					8	5	1
CONOWINGO DAM	53.4	- 2.6	76	1+	29	19	1	2.13	- 1.37	.98	5					7	2	
CONOWINGO POLICE BARRACKS	53.1		78	1	24	19	4	2.04		.95	5					10	2	
CRISFIELD	59.9	- 1.4	78	1	38	19		5.04	2.16	3.72	5					8	4	1
CUMBERLAND	52.4	- 2.3	78	2	22	19	2	3.88	1.37	1.43	5					10	4	2
CUMBERLAND POLICE BARRACKS	50.6		78	1+	19	19	8	3.14		1.24	8					8	4	1
DISTRICT HEIGHTS	54.9		79	1	30	19	1	4.38		1.74	5					9	4	1
EASTON	54.0	- 3.7	76	1+	30	19	3	2.74	-.45	1.55	5					9	3	1
ELKTON	54.1	- 2.0	80	1	26	19	4	1.02	- 2.28	.78	5					5	1	
EMMITSBURG	54.4	- 0.9	77	2	30	19	1	3.45	-.10							9		
FALLSTON	54.1	- 1.4	78	1	29	19	1	2.67	-.77	1.05	5					10	3	1
FORT GEORGE G MEADE	52.8	- 4.8	76	1+	27	19	4	3.56	-.15	1.68	5					7	4	1
FREDERICK	52.0	- 4.0	79	2	23	21	9	3.61	-.68	1.18	6					8	4	2
FREDERICK POLICE BARRACKS	54.4		79	2	30	19+	2	3.87		1.12	6					10	4	1
FREDERICK WB AIRPORT	54.0		78	2	28	21	2	3.11		1.40	5					10	4	1
FRIENDSVILLE	47.7	- 3.8	75	1	23	21	11	3.06	-.20	.82	8	1.5	2.0	18		11		
FROSTBURG	49.2	- 4.7	74	2	21	19	3	3.23	.02	1.26	8	T				11	2	2
GERMANTOWN	53.3	- 0.8	78	2	26	19	1	3.90	.82	1.77	5					6	4	1
GLENN DALE BELL STATION	54.0		80	1	24	19	6	4.32		1.68	5					7	6	1
GRASONVILLE	56.6		81	1	33	22		2.59		1.10	5					5	4	1
GREAT FALLS	54.7	- 1.8	80	1	28	19	2	3.65	.75	2.00	6					7	4	1
GROSVENOR LANE	54.0m		79	1	26	19	3	3.58		1.58	5					9	4	1
HAGERSTOWN	52.9		78	1+	28	19	2	4.31		1.36	18					6	5	1
HANCOCK FRUIT LABORATORY	50.9m	- 4.3	78	2+	22	19	9	4.28	1.06	1.58	6					10	6	1
HUNTINGTON	54.6	- 3.2	80	1	27	19	2	5.47	1.78	1.72	5					8	5	3
KEDYSVILLE	53.5	- 2.6	84	2	24	19+	5	4.95	1.72	1.46	5					8	5	3
LA PLATA	55.6		80	1	27	19	2	4.55								5		
LEONARDTOWN	56.0		79	1	31	19	1	3.09		1.55	5					6	3	1
MARYLAND LINE	53.8	- 1.5	78	2	29	19	2	4.14	.30	1.25	5					8	5	1
MILLINGTON	55.7	- 1.6	84	1	26	19	3	2.48	-.49	.94	5					11	4	
OAKLAND	47.9	- 1.9	74	16	20	21	11	2.58	-.69	.88	8	1.5	T	18		8	3	
OCEAN CITY	56.9m				36	19												
OWINGS FERRY LANDING	55.0	- 3.8	81	1	29	19	2	5.03	2.03	1.80	5					9	5	3
OXFORD	55.8	- 4.3	73	1	36	19		3.13	-.08	1.72	5					8	3	1
PICARDY	52.1	- 2.6	72	2	24	19	3	4.20	.93	2.00	5					8	3	1
PIKESVILLE POLICE BARRACKS	54.2		77	1	29	19	1	3.41		1.50	5					9	5	1
PRETTYBOY DAM	52.2	- 3.4	75	1+	28	19	2	3.15	-.57							8		
RANDALLSTOWN POLICE BARRACKS	53.5		77	1	29	21	1	3.93		1.44	5					7	5	1
RIDGELY	54.4	- 3.1	80	1	28	19	2	3.13	.15	1.48	5					10	4	1
RIVERSDALE	53.9		80	1	26	19+	5	3.56		1.26	5					8	5	1
ROCK HALL	55.4	- 2.9	79	27	29	19	1	1.84	- 1.11	1.10	5					7	2	1
ROCKVILLE	55.1		78	1	30	19	1	3.13		1.29	5					7	4	1
ROYAL OAK	56.6		80	1	31	19	1	3.17		1.69	5					9	4	1
SALISBURY	55.5	- 3.2	80	1	29	19	2	5.59	2.44	2.30	5					10	4	2
SALISBURY POLICE BARRACKS	55.9		80	1	29	19	1	5.36		1.90	6					12	5	2
SALISBURY MUNICIPAL AIRPORT	55.8		80	1	29	19	1	5.22		3.28	5					7	4	1
SINES DEEP CREEK	47.2	- 1.6	72	28	20	19	12	2.90	-.57	.70	5	T				11	5	
SOLOMONS	57.5	- 3.0	77	1+	38	19+		3.46	.77	1.80	5					9	3	1
TAKOMA PARK BALTO AVE	55.0m	- 1.9	77	1	30	21	2	3.17	.22	1.27	5					6	4	1
TAKOMA PARK MISS AVE	54.4m	- 3.0	77	1	29	19	1	3.00	-.54	1.21	5					9	4	1
TONOLOWAY	50.8	- 3.1	78	1+	24	21+	8	5.36	1.81	2.40	5					8		
TOWSON	54.3		80	1	27	19	3	5.34	2.15	1.48	5					8	4	3
UNIONVILLE	51.5m	- 3.3	77	1	23	19+	11	3.30	-.08	1.09	5					6	4	2
WALDORF POLICE BARRACKS	54.5		79	1	27	19+	4	4.06		1.20	5					8	5	2
WATERLOO POLICE BARRACKS	54.4		80	1	28	19	3	3.55		1.05	6					8	5	1
WEST LANHAM HILLS	53.9m				27	19	2											
WESTERN PORT	52.3	- 3.0	80	2	23	19	4	3.05	-.47	1.38	5					8	3	1
WESTMINSTER	52.9	- 2.9	78	2	25	19	2	3.14	-.16							7		
WHITE HALL	52.5		77	1	27	19	4	3.51		1.50	5					8	4	1
WOODSTOCK COLLEGE	52.8	- 2.2	79	1	28	21	5	3.43	.32	1.24	5					10	5	1
DISTRICT OF COLUMBIA																		
BRIGHTWOOD	55.3		78	2	33	19										7	4	1
DALECARLIA RESERVOIR	55.3m		77	1	30	19	2	3.10		1.22	5					7	4	1
NATIONAL ARBORETUM	56.9		82	1	30	19	2	3.24		1.20	5					7	5	1
U S SOLDIERS HOME	54.9		79	2	30	19	1	3.22		1.37	6					8	4	1
WASHINGTON WB CITY DC	56.2	- 1.2	79	1	33	19		3.11	.27	1.72	5					8	3	1
MARYLAND AND DISTRICT OF COLUMBIA																		
	54.1	- 2.2							3.52	.51								

See reference notes following Station Index.

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

OCTOBER 1948

Table 2-Continued

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
DELAWARE																		
BRIDGEVILLE	55.1	- 2.3	79	1	30	19	1	6.30	3.24	2.07	6		T	18+	11	6	2	
DOVER	55.7	- 1.8	80	1	31	19	1	3.27	.38	1.16	5				16	5	1	
GEORGETOWN	54.3		79	1	27	19	4	6.81		3.06	6				11	5	2	
LEWES	55.3		79	1	31	19	1	4.79		1.25	5				12	5	2	
MILFORD	55.8	- 2.5	80	1	29	19	2	3.60	.30	1.70	5				11	5	1	
MILLSBORO	55.7	- 2.1	79	1	29	19	3	6.37	- 2.88	1.96	5				10	6	2	
NEWARK COLLEGE FARM	53.0	- 2.4	78	1	25	19	5	1.86	- 1.37	.75	5				8	3		
SMYRNA	55.2		80	1	30	19	2	2.17							9			
WILMINGTON WB NEW CASTLE	54.2		79	1	29	19	1	1.25		.59	5				9	1		
WILMINGTON PORTER RESERVOIR	54.3	- 2.6	77	1	29	19	1	1.68	- 1.34	.75	5				9	2		
DELAWARE	54.9	- 2.6						3.81	.70									
SECTION	54.2	- 2.2						3.56	.53									

See reference notes following Station Index.

DAILY PRECIPITATION

MARYLAND AND
DELAWARE

OCTOBER 1948

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					.86	T	T	.08			.02		.15	.04			T	.43					.05	T	T					T		1.63
ANAPOLIS US NAVAL ACAD	T				1.14	.03		.08			.03		.04	.02				.40					1.12	.02								2.88
BALTIMORE WB AIRPORT					1.65	.05		.15			.01		.06	.01				1.09					1.09									3.38
BALTIMORE WB CITY					1.87	.03	T	.27					.07	T			T	.61					.77		T							3.62
BALTIMORE HAMILTON					1.47	.22		.25	.08		T		.07	.07				.95					.67	.02								3.43
BATTERY PARK					1.52	.79		.37	.08		.01		.06					.86					.04	.09								3.62
BELTSVILLE		.11			.47	1.39		.15	.20		.01	T		.04				.61		.01										.02		2.40
BENSON					.96	.17	.02	.12	.15					.08				.54					.19	.17								2.60
BETHESDA				.02	1.95	.04		.28									.03	.57					.09								.02	3.00
BLACKWATER					1.95	.42	T				.05	.10		.06				.40							T							2.98
BRIGHTON DAM		.05			.42	1.54		.15	.24					.07				.60					T	T								3.07
BROOKDALE					1.96	.30		.38	.01		.04		T					.79					.06	.04								3.58
BROOKSIDE MANOR					* 1.69			.32	.02		T		.04					.64					.35	T						T		3.06
BURNT MILLS RESERVOIR	.06				.55	1.44		.15	.20			.01						.75					*		.21							3.37
CAMBRIDGE	.14				2.30	.41	.07	.15			.13			.17				.41					.06									3.89
CHARLOTTE HALL					1.40	.55		.11			.04			.13				.52					*	2.28								5.03
CHELTENHAM	.15				.57	1.91		.05	.11		T		.03					.42					.04	1.05	.02					.02		4.37
CHESTERTOWN					1.08	.08	.03	.15			.05		.12	.73				.39					.13	.03	T							2.19
CHESWICK BRIDGEPORT					.58	1.03		.81			.02	.34	T	.10			.10	1.28				T	.04									4.30
CLEAR SPRING					.81	1.04		.92			T	T	.34	.08	T			.97			T						T					4.16
COCKEYSVILLE		T			1.55	.07	.01	.32					T				T						.34								T	2.29
COLEMAN					.90	.05		.12			.02			.13				.32					.07									1.61
COLLEGE PARK UNIV OF MD	.02				1.25	.65	T	.31	T					.04				.57					.48	.08								3.41
CONOWINGO DAM					.98			.04			T		.13				T	.59					.15									2.13
CONOWINGO POLICE BRCS	.02				.95	.01	.02	.12	.10				.10					.52					.05	.15								2.04
CRISFIELD	.15				3.72	.38	T	.15			.04		T				T	.25					.07		.28							5.04
CUMBERLAND	.02				1.43	.32	.02	1.25	.02		.04		T	.18			T	.58					.02									3.88
CUMBERLAND POLICE BRCS	.03				.92	.36	.07	1.24			.05							.33					.11									3.14
DALECARLIA RESERVOIR DC					1.22	.73		.34					.05					.57					.04	.15								3.10
DISTRICT HEIGHTS	.01				1.74	.56	T	.24			.01		.06					.60					.96	.20	T							4.38
EASTON	.05				1.55	.51	.02	.06			.03		.10					.36					T		.06		.15					2.74
EDGEWOOD					.07	3.05		.20	.58			.94		.06				1.43														6.66
ELKTON	.02				.78			.15										.06														1.02
EMMITTSBURG					* 1.58			* .62			T	.30		.14				.76						.04								3.45
FALLSTON	.01				1.05	.10	.01	.20	.16		T		.13					.52					.31	.18								2.67
PORT GEORGE G MEADE					1.68	.50		.20					.03					.57					.45	.13								3.56
FREDERICK					1.04	1.18	T	.53			.01	.08	.09					.67					.01									3.61
FREDERICK POLICE BRCS					.98	1.12		.37	.20		.03	.08	.18					.83					.03		.05							3.87
FREDERICK WB AIRPORT					1.40	.34	T	.53			.02	.06	.10				.03	.59				.02	.02								T	3.11
FRIENDSVILLE	.11				.44	.02		.82		.03			.67			.11		.50	.34												.02	3.06
FROSTBURG	.01				1.18	.21		1.26		.01	.01		.05	.17				.23			.09		.01									3.23
GERMANTOWN					1.77	.51		.65			T		.10					.85					.02									3.90
GLEN ECHO					2.06	.05			.33									.51					.15									3.12
GLENN DALE BELL STATION					1.68	.91	T	.32	T		T		.04					.59					.44	.34	T							4.32
GRANTSVILLE					.78		.27	.84		.03			.25	.03			.21	.10	.09											.26		2.80
GRASONVILLE					1.10	.60	T	.10			T							.50					.29									2.59
GREAT FALLS					.47	2.00		.10	.29				.03					.66						.10								3.65
GROSVENOR LANE					1.58	.78		.35	.08		.01		.04					.65					.03	.06								3.58
HAGERSTOWN					.65	.85		.98				.41	.08					1.36														4.31
HANCOCK FRUIT LAB					.25	1.58	.06	.41	.46		T	.17	T	.10				.97			.01			.27								4.28
HUNTINGTOWN					1.72	1.17	.06	.19					.09					.45					1.39	.40								5.47
KEDDYVILLE					1.46	1.19		.79			.33		.08				.01	1.08					T	.01								4.95
LA PLATA					* 2.50								.45					.45					* 1.60									4.55
LEONARDTOWN					1.55	.78		.11			.02	T						.52					.11									3.09
LUKE	.01				.28	.84	.08	.78	.14		.01	.05	.01	.30				.11			.02	T										2.63
MARYLAND LINE					1.25	.29		.65	.17				.17					.75					.23	.63								4.14
MILLINGTON					.94	.11	.02	.18	.22		.02		.30					.36					.02	.25		.06						2.48
NATIONAL ARBORETUM DC	T				1.20	.67		.27			T		.05																			

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TABLE 4 — Continued HOURLY PRECIPITATION

MARYLAND AND
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OCTOBER 1948

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	
LUKE SINES DEEP CREEK UNIONVILLE WASHINGTON WB CITY DC								.01		.01	.01							.01	.02	.01	.04	.01	.01		.12
																			.07	.08	.03	.02	.01		.22
																						.02	.02		.04
																							.01		.01

See reference notes following Station Index

DAILY TEMPERATURES

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	80	78	65	60	54	65	65	63	65	73	66	69	65	60	62	65	72	53	54	55	54	55	60	59	63	67	69	64	72	67	60	63.8	
	MIN	57	56	46	41	46	48	56	51	42	45	58	54	44	43	38	35	43	35	28	35	32	49	46	49	45	44	41	41	40	32	43.6		
ANNAPOLIS U S NAVAL ACAD	MAX	78	74	64	58	56	62	61	63	65	68	65	67	64	60	60	62	74	51	56	54	51	56	56	60	62	68	67	60	64	57	56	61.9	
	MIN	68	62	55	48	49	48	56	56	50	55	62	58	50	46	47	46	55	38	36	43	37	44	50	50	52	47	46	47	50	48	43	49.7	
BALTIMORE WB AIRPORT	MAX	81	78	65	58	52	65	63	64	66	74	66	69	65	59	64	66	75	53	57	55	56	55	56	60	63	68	71	64	69	62	59	63.8	
	MIN	65	62	50	44	48	47	57	56	51	53	60	57	50	48	49	43	52	39	36	41	36	40	48	48	51	47	50	46	48	46	44	48.8	
BALTIMORE WB CITY	MAX	80	78	64	58	53	64	63	64	66	76	66	68	64	61	65	67	76	52	56	55	54	55	56	61	63	68	71	63	69	62	58	63.7	
	MIN	65	63	51	46	48	48	58	55	50	53	61	56	49	47	49	45	51	40	37	43	38	43	50	50	52	48	52	49	51	48	45	49.7	
BALTIMORE HAMILTON	MAX	78	77	67	61	53	65	64	61	65	72	66	66	68	59	65	65	74	67	55	54	55	54	55	59	63	68	70	61	70	63	54	63.7	
	MIN	61	58	56	41	46	45	54	56	41	42	57	54	46	43	37	48	38	32	36	34	36	48	47	49	44	45	41	44	44	40	45.3		
BATTERY PARK	MAX	78	77	64	64	50	60	63	63	67	76	66	69	65	60	65	67	75	68	58	55	55	54	55	62	64	68	72	68	72	67	63	64.8	
	MIN	60	53	50	42	43	47	50	56	42	46	57	54	40	40	38	36	49	36	26	34	29	36	46	44	49	39	38	36	42	36	38	43.0	
BELTSVILLE	MAX	74	77	76	66	58	51	63	65	63	66	75	65	67	64	59	64	67	76	51	55	54	54	55	55	61	63	67	70	68	72	62	64.0	
	MIN	62	52	52	42	46	45	50	56	42	42	55	55	42	43	37	31	42	37	26	31	29	33	42	46	52	41	34	33	38	36	37	42.2	
BENSON	MAX	80	75	70	60	57	66	62	61	65	72	60	69	64	60	62	65	71	68	54	54	59	58	56	57	61	66	68	65	72	71	62	64.2	
	MIN	55	55	53	37	44	44	51	53	39	44	51	51	42	39	41	31	44	34	25	33	29	30	43	43	47	41	45	38	38	38	32	41.6	
BLACKWATER	MAX	77	75	70	62	58	61	65	65	66	74	69	69	69	63	64	67	73	69	55	57	55	60	67	63	58	64	66	65	63	63	70	65.2	
	MIN	64	55	54	47	53	52	59	59	50	53	61	60	50	49	49	38	57	43	30	35	38	35	50	52	52	47	45	37	42	39	43	48.3	
BRIGHTWOOD DC	MAX	73	78	76	65	58	50	61	64	64	63	75	65	68	64	61	63	64	75	51	54	55	53	55	56	61	63	67	69	66	68	60	63.4	
	MIN	64	58	59	45	47	46	49	58	45	48	60	57	47	45	45	41	52	38	33	37	37	41	45	48	51	44	45	42	47	45	47	47.2	
BROOKSIDE MANOR	MAX	80	78	66	62	56	62	66	65	69	77	69	69	66	60	66	68	77	71	57	55	56	55	57	62	64	69	71	70	73	62	66	65.9	
	MIN	63	53	53	44	46	50	55	57	43	44	59	56	42	45	40	38	46	38	28	32	31	35	47	51	52	42	34	35	39	35	38	44.1	
CAMBRIDGE	MAX	81	78	68	66	59	62	64	64	68	78	68	74	71	66	63	68	74	66	58	55	59	65	60	56	65	68	67	59	57	67	65.5		
	MIN	64	62	47	45	49	48	53	57	50	48	57	52	52	47	44	36	48	47	29	35	35	34	46	49	48	47	48	37	48	45	37	46.6	
CHARLOTTE HALL	MAX	78	75	75	60	55	61	65	62	66	78	68	68	66	60	64	65	75	69	55	56	64	55	55	59	62	68	70	69	70	62	62	65.1	
	MIN	65	55	54	44	49	45	54	55	42	50	58	52	44	43	42	37	51	37	29	37	32	35	47	47	52	43	43	40	42	42	38	45.3	
CHELTENHAM	MAX	77	79	76	66	58	55	62	66	63	67	76	63	67	66	60	65	66	76	51	56	56	55	56	54	62	64	70	71	70	73	62	64.8	
	MIN	65	54	53	43	48	45	49	56	43	50	56	54	41	42	41	35	49	38	28	36	31	34	43	48	48	42	41	38	43	41	38	44.3	
CHESTERTOWN	MAX	81	78	66	62	52	64	61	63	66	76	65	71	65	61	65	68	75	60	58	59	56	57	61	58	61	68	72	65	73	66	62	64.9	
	MIN	62	57	50	42	48	48	55	52	46	46	59	55	47	43	43	38	49	39	32	40	34	36	46	48	51	44	40	39	43	42	39	45.6	
CHEWSVILLE BRIDGEPORT	MAX	79	79	70	57	51	60	65	63	66	72	68	64	64	59	63	67	74	56	54	51	53	52	54	62	63	64	68	67	69	64	62	63.2	
	MIN	55	53	53	35	43	41	44	54	43	44	51	41	43	41	35	33	51	35	26	37	25	34	40	46	46	38	30	33	39	32	34	40.6	
CLEAR SPRING	MAX	79	76	72	60	52	63	64	60	68	72	67	65	66	59	60	67	75	56	54	54	54	51	63	62	62	68	71	63	70	66	66	64.0	
	MIN	56	54	51	41	45	44	50	52	42	49	56	44	45	42	41	36	51	36	26	37	30	38	46	47	48	36	48	34	44	36	44	43.5	
COLEMAN	MAX	88	80	68	65	55	66	65	63	67	79	70	76	68	62	65	71	75	67	58	61	61	59	59	58	64	71	76	69	74	67	65	67.5	
	MIN	63	59	54	44	49	48	54	57	48	50	60	58	50	46	46	41	48	38	32	38	36	38	47	47	50	44	45	43	44	47	37	47.0	
COLLEGE PARK UNIV OF MD	MAX	80	78	76	61	56	63	65	64	67	76	70	68	65	63	66	67	77	73	56	54	55	55	54	61	64	69	72	68	73	64	64	65.9	
	MIN	63	54	55	43	47	46	56	57	43	44	57	56	46	45	40	33	44	38	28	32	30	35	48	47	53	40	35	35	44	35	37	44.1	
CONOWINGO DAM	MAX	76	76	64	59	59	66	64	62	64	70	66	67	65	60	62	65	71	54	54	55	53	55	59	59	62	65	65	63	67	62	58	62.8	
	MIN	57	55	49	43	47	50	55	52	46	45	56	50	43	44	40	34	47	35	29	38	34	33	47	48	50	46	41	35	39	37	36	43.9	
CONOWINGO POLICE BARRACKS	MAX	78	77	70	60	57	66	63	63	65	74	66	68	65	58	64	66	73	65	55	55	56	55	58	60	64	67	61	65	73	71	61	64.5	
	MIN	56	51	52	39	42	45	52	53	38	44	54	52	40	37	42	31	45	35	24	34	32	30	43	43	47	42	41	36	38	40	33	41.6	
CRISFIELD	MAX	78	76	75	74	60	68	67	69	68	74	72	74	71	70	68	68	72	70	68	66	64	65	70	68	66	64	65	65	66	66	67	68.8	
	MIN	66	65	59	51	33	52	57	59	54	59	60	60	57	52	52	45	56	44	38	46	41	41	51	51	49	50	50	47	47	47	42	51.0	
CUMBERLAND	MAX	77	78	68	57	51	51	60	70	66	75	71	62	63	59	63	72	77	53	57	53	53	51	56	61	60	63	71	66	72	68	61	63.4	
	MIN	58	53	55	39</																													

DAILY TEMPERATURES

MARYLAND
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OCTOBER 1948

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	
GRASONVILLE	MAX	81	76	69	61	54	63	64	66	69	75	67	68	67	62	64	67	72	76	55	58	54	58	62	58	60	65	68	62	60	58	63	64.8
	MIN	66	60	55	45	49	50	58	60	53	54	60	57	50	46	50	38	53	41	34	42	40	33	47	50	52	47	48	40	40	40	38	48.3
GREAT FALLS	MAX	80	79	66	67	51	58	65	65	68	79	68	67	67	62	67	69	79	72	59	54	56	53	60	63	67	66	73	73	74	68	67	66.5
	MIN	60	58	50	41	45	45	50	50	43	48	56	45	41	42	38	34	48	37	28	34	29	36	40	43	52	40	41	36	42	36	39	42.8
GROSVENOR LANE	MAX	79	77	70	63	54	61	64	64	66	75	66	69	65	62	66	67	75	71	57	55	56	55	55	63	65	69	72	69	73	65	63	65.5
	MIN	58	55	42	46	44	44	44	56	43	44	56	53	42	42	40	32	50	37	26	34	29	34	46	46	46	41	38	35	40	36	37	42.4
HAGERSTOWN	MAX	78	78	70	56	52	59	64	62	65	72	68	64	62	60	63	67	64	59	54	53	53	52	53	61	58	64	68	66	70	64	62	62.6
	MIN	57	57	55	38	44	42	46	53	42	49	52	45	46	43	41	37	51	36	28	39	30	36	42	47	47	42	35	37	44	37	39	43.1
HANCOCK FRUIT LABORATORY	MAX	71	78	78	61	57	47	56	66	63	65	73	62	63	62	60	65	71	71	50	57	53	54	53	55	63	59	66	72	66	73	67	63.1
	MIN	55	50	51	41	43	43	51	41	40	49	53	49	41	41	40	34	30	38	37	22	28	24	32	37	43	48	41	32	29	32	30	34
HUNTINGTOWN	MAX	80	76	68	58	56	61	62	62	67	76	69	70	66	60	63	66	75	68	55	56	53	55	55	60	62	68	68	67	69	58	65	64.3
	MIN	65	56	53	47	49	44	55	55	43	51	57	54	44	42	40	37	50	36	27	37	29	33	49	47	50	43	40	38	43	38	37	44.8
KEEDYSVILLE	MAX	80	84	69	60	52	57	64	67	68	76	69	68	66	64	68	69	75	68	56	57	56	55	55	67	68	70	73	70	72	67	65	66.3
	MIN	55	51	52	36	45	43	47	52	44	50	54	49	43	42	33	35	49	36	24	35	24	35	38	47	44	31	30	31	38	33	34	40.6
LA PLATA	MAX	80	77	70	61	57	62	68	64	69	78	64	71	68	67	65	69	78	67	58	53	57	54	62	63	64	68	72	71	73	67	61	66.4
	MIN	66	54	54	44	47	45	54	56	41	51	58	53	49	41	35	49	38	27	35	29	35	47	47	52	44	36	38	41	40	38	44.7	
LEONARDTOWN	MAX	79	78	70	61	61	61	65	66	71	78	69	71	71	62	65	68	76	70	56	57	54	56	57	60	62	69	70	68	71	63	62	66.0
	MIN	62	56	52	45	49	47	54	56	42	53	60	50	45	45	42	39	53	38	31	40	33	35	48	50	53	45	42	39	41	38	40	45.9
MARYLAND LINE	MAX	77	78	69	59	52	61	60	60	64	72	64	67	63	61	65	67	74	67	53	55	54	51	54	60	61	67	71	66	72	65	66	63.7
	MIN	57	57	55	38	43	43	52	54	41	45	54	48	42	41	42	41	47	36	29	37	31	37	44	43	45	40	45	44	48	42	42	44.0
MILLINGTON	MAX	84	78	75	65	55	64	65	63	70	79	68	74	68	62	65	73	78	66	59	58	57	58	62	58	61	68	74	67	72	71	67	67.2
	MIN	63	54	52	40	48	50	55	58	45	47	59	54	42	43	39	33	48	40	26	38	31	31	47	48	50	45	34	34	39	38	37	44.1
NATIONAL ARBORETUM DC	MAX	82	79	76	64	56	64	67	65	68	78	73	72	66	64	67	69	78	76	57	57	56	55	55	63	65	71	73	71	74	70	67	67.7
	MIN	63	56	56	47	47	46	54	57	44	55	59	56	44	46	45	37	52	38	30	41	32	36	46	46	52	41	40	37	44	38	40	46.0
OAKLAND	MAX	68	73	70	51	45	47	62	62	59	70	64	58	55	52	63	74	65	49	51	48	50	49	54	56	53	59	71	73	71	73	66	60.0
	MIN	50	56	51	38	35	38	44	49	40	45	46	44	42	37	30	29	34	28	21	32	20	36	36	38	34	22	26	28	24	26	35.8	
OCEAN CITY	MAX	77	78	70	61	61	61	65	66	71	78	69	71	71	62	65	68	76	70	56	57	54	56	57	60	62	69	70	68	71	63	62	66.0
	MIN	62	56	52	45	49	47	54	56	42	53	60	50	45	45	42	39	53	38	31	40	33	35	48	50	53	45	42	39	41	38	40	45.9
OWINGS FERRY LANDING	MAX	81	72	67	58	56	62	63	63	67	76	68	71	65	62	66	67	76	69	57	57	56	55	54	61	62	70	71	69	73	61	64	65.1
	MIN	64	56	54	42	49	45	54	55	43	51	58	54	44	43	41	35	51	37	29	38	31	35	45	47	51	42	41	38	43	39	38	44.9
OXFORD	MAX	73	72	70	62	56	62	61	63	62	71	68	63	63	62	57	66	72	67	54	53	53	58	57	58	58	63	61	64	64	63	65	62.6
	MIN	65	61	58	47	50	51	56	56	52	53	59	57	52	51	49	43	53	40	36	43	41	38	49	51	47	44	43	43	44	43	41	48.9
PICARDY	MAX	70	72	68	68	58	56	68	62	62	68	70	62	64	58	56	68	70	52	52	52	50	52	58	60	66	66	70	66	68	68	66	62.8
	MIN	57	54	53	37	41	43	45	54	45	50	51	40	46	43	39	30	50	35	24	39	25	40	42	45	37	37	35	35	39	35	34	41.3
PIKESVILLE	MAX	77	75	72	60	55	61	61	61	62	71	64	65	64	61	68	66	74	70	54	53	53	53	54	60	61	67	70	65	71	66	61	63.7
	MIN	61	56	55	40	45	46	51	55	46	47	54	52	44	42	43	38	47	36	29	37	34	35	46	45	61	47	39	45	42	38	44.7	
PRETTYBOY DAM	MAX	75	75	64	59	52	60	62	60	62	69	62	70	64	63	61	65	73	66	52	50	52	51	51	56	59	64	67	66	72	68	64	61.9
	MIN	55	56	53	36	42	42	50	53	41	46	52	47	41	39	40	38	44	34	28	35	31	33	43	43	43	40	44	42	45	41	40	42.5
RANDALLSTOWN POLICE BRCKS	MAX	77	76	69	58	52	62	60	62	63	72	68	67	67	58	62	70	74	74	52	53	52	52	53	60	61	65	69	71	71	65	63	63.8
	MIN	59	55	55	39	44	42	52	54	41	41	50	50	40	39	40	39	48	36	38	34	29	33	45	44	43	40	43	40	43	40	40	43.1
RIDGELY	MAX	80	78	69	62	54	64	62	59	67	76	68	69	68	59	65	69	75	67	56	57	55	58	65	59	66	71	68	72	67	68	65.5	
	MIN	64	54	53	40	46	47	53	55	43	47	55	52	45	41	39	34	46	36	28	35	31	33	45	45	46	41	37	36	40			

DAILY TEMPERATURES

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	
WEST LANHAM HILLS	MAX						63	66	64	68	72	69	71	62	62	66	68	77	70	56	58	57	55	54	62	63	71	73	68	72	62	64	65.1
	MIN						45	55	57	42	48	57	55	42	42	39	34	49	38	27	37	31	35	46	46	52	39	38	35	44	38	38	42.7
WESTERN PORT	MAX	75	80	81	66	47	50	69	60	65	79	69	58	60	58	65	74	74	48	60	53	54	51	59	64	65	69	73	69	72	69	67	63.6
	MIN	55	53	54	42	42	42	48	48	45	44	51	40	47	44	37	35	47	35	23	39	27	36	37	45	37	45	32	32	38	33	34	40.9
WESTMINSTER	MAX	76	78	71	59	53	61	64	62	64	71	65	64	64	58	64	65	73	69	54	56	53	52	53	60	61	65	69	67	71	66	65	63.6
	MIN	55	55	53	35	45	43	48	49	42	48	52	48	48	40	38	37	47	36	25	35	28	33	42	45	47	40	44	36	42	37	35	42.2
WHITE HALL	MAX	77	74	64	80	62	65	64	64	64	67	67	68	64	59	59	65	74	66	55	53	55	53	55	60	62	64	65	63	68	64	63	62.9
	MIN	60	52	52	37	46	46	52	57	39	40	54	53	40	41	34	32	46	41	27	34	28	32	45	45	50	42	36	33	41	34	36	42.1
WOODSTOCK COLLEGE	MAX	79	77	65	58	50	64	62	62	65	74	70	67	62	60	64	66	73	69	53	54	54	53	55	61	62	66	70	66	69	62	63	63.7
	MIN	59	52	52	37	45	44	52	50	45	43	53	51	40	41	39	30	40	37	36	30	28	31	44	44	50	43	41	34	40	32	33	41.8
DELAWARE																																	
BRIDGEVILLE	MAX	79	77	68	61	57	61	64	65	66	76	68	68	67	60	63	69	74	67	55	56	55	59	65	58	55	66	69	67	71	64	68	65.1
	MIN	64	53	52	46	51	51	51	58	44	50	57	55	43	44	43	34	47	39	30	38	34	35	47	48	47	44	42	39	36	39	35	45.0
DOVER	MAX	80	78	66	62	56	63	65	64	65	75	68	68	66	63	62	68	75	69	55	56	53	58	64	60	60	66	68	65	70	65	65	65.1
	MIN	65	56	56	44	49	50	55	60	44	49	59	57	45	44	44	37	50	38	31	38	38	35	47	49	47	48	44	37	40	42	37	46.3
GEORGETOWN	MAX	79	76	69	62	58	59	62	63	66	75	70	68	67	60	62	67	74	66	56	57	54	60	65	60	54	66	68	68	69	63	68	64.8
	MIN	64	53	51	48	50	51	56	67	41	49	56	56	42	45	40	32	48	39	27	36	30	31	47	48	46	43	34	34	36	36	33	43.8
LEWES	MAX	79	74	66	61	61	62	62	64	69	77	70	65	70	61	60	61	76	63	65	57	52	57	63	58	56	63	65	64	65	62	68	64.1
	MIN	64	54	54	51	54	56	58	59	43	51	58	51	43	44	41	36	48	40	31	40	40	40	54	48	49	45	38	35	38	39	39	46.5
MILFORD	MAX	80	78	70	61	58	62	64	64	66	77	67	69	67	62	63	70	75	64	57	59	54	58	66	62	56	67	69	66	71	64	69	65.6
	MIN	68	56	55	44	48	54	56	58	43	50	57	56	45	45	40	55	47	33	29	37	32	35	49	47	48	42	40	36	41	43	38	46.0
MILLSBORO	MAX	79	76	69	63	62	69	62	65	67	78	71	69	68	61	63	70	76	65	58	60	55	60	66	59	54	67	69	68	72	64	70	66.3
	MIN	64	54	52	47	53	55	59	60	43	49	58	57	42	41	40	32	44	40	29	37	32	34	49	47	47	45	39	41	34	37	34	45.0
NEWARK COLLEGE FARM	MAX	78	76	70	59	54	65	67	65	65	73	68	69	65	60	64	69	75	67	55	56	55	56	61	58	61	68	69	65	72	69	63	65.1
	MIN	54	53	50	38	44	45	49	55	38	40	52	50	38	37	41	30	39	36	25	35	30	28	46	45	49	42	38	35	35	37	32	40.8
SMYRNA	MAX	80	77	68	61	54	63	66	64	66	75	65	69	65	63	62	68	75	69	55	57	52	58	64	56	60	67	69	64	72	66	64	64.9
	MIN	65	55	58	43	48	51	55	58	44	52	59	54	45	44	42	36	49	39	30	38	32	33	47	47	49	43	42	38	40	40	36	45.5
WILMINGTON WB NEW CASTLE	MAX	79	77	63	60	55	65	70	63	65	73	65	67	64	58	63	66	76	53	52	55	53	57	62	58	62	69	70	64	73	67	60	64.0
	MIN	58	58	48	42	48	50	54	51	45	47	58	52	46	42	40	36	45	34	29	38	33	34	47	48	50	44	44	40	40	40	35	44.4
WILMINGTON PORTER RES	MAX	77	76	64	61	52	67	67	63	65	72	65	66	63	58	62	65	75	55	53	55	53	57	62	57	62	66	69	63	72	69	59	63.6
	MIN	57	58	48	40	47	49	52	52	43	49	57	52	45	44	42	39	48	35	29	40	34	33	46	47	49	45	47	42	44	45	36	44.9

TABLE 6
DAILY EVAPORATION (INCHES) AND WIND MOVEMENT (MILES)

STATION		DAY OF MONTH																															TOTAL	DEPART- URE FROM NORMAL
		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																																		
BELTSVILLE	EVAP WIND	14	.159 38	.112 3	.129 91	.132 54	105	.028 84	.046 21	.060 58	.100 18	.137 31	.038 47	.175 72	.116 47	.077 75	.105 41	.129 33	.206 156	.125 69	.081 47	.104 79	.078 22	.056 23	.028 54	.189 192	.152 131	.189 75	.099 18	.050 6	.063 1	.015 15	3.120b 1720	

TABLE 7
DAILY RIVER STAGES (FEET)

RIVER AND STATION	FLOOD STAGE	DAY OF MONTH																															HIGHEST (OR CREST)	DATE	LOWEST	DATE
		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																																				
NORTH BRANCH CUMBERLAND	17	3.4	3.3	3.0	2.9	2.9	4.0	4.2	4.3	5.9	4.7	4.2	3.9	3.7	3.7	3.6	3.5	3.4	3.4	3.5	3.4	3.4	3.4	3.3	3.4	3.3	3.2	3.2	3.2	3.1	3.1	3.1	5.9	9	2.9	4
POTOMAC HANCOCK	30	3.0	3.1		3.3	3.1	3.4	9.6				6.5	5.6	5.0	4.7	4.4	4.2		4.1	5.3	5.1	4.7	4.2	4.1		3.8	3.6	3.5	3.5	3.4	3.3		9.6	7	3.0	1
DISTRICT OF COLUMBIA																																				
POTOMAC WASHINGTON (near)	10		1.7		1.8	2.0	4.0			5.0		5.7			3.5	3.2	3.0			3.2	3.5	3.7	3.4	3.1		2.8	2.6	2.5	2.5	2.4	2.3					

The following reference notes apply only to Table 7 - Daily River Stages:

Readings are made at approximately 7 a.m. (local time). They are provisional and subject to correction. Final and corrected stages will be published in the annual publication "Daily River Stages - Principal Rivers of the United States".

- | | |
|--------------------------------|-----------------|
| a Obstructed by rough ice. | f Shore ice. |
| b Frozen but open at gage. | g Floating ice. |
| c Upper surface of smooth ice. | h Pool stage. |
| d Ice gorge above gage. | i Dry at gage. |
| e Ice gorge below gage. | j Interpolated. |

STATION INDEX

MARYLAND AND DELAWARE

OCTOBER 1948

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT.	LONG.	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	58	58		W M RAY	2 3 5
DELAWARE CITY REEDY POINT	2625	NEW CASTLE	COASTAL	39 34	75 35	10	EST	4P	4P	62	62		J E MADEN	2 3 5
DOVER	2730	KENT	COASTAL	39 10	75 32	34	EST	4P	4P	61	61		F J BOWERY	2 3 5
GEORGETOWN	3570	SUSSEX	CHESAPEAKE	38 39	75 27	50	EST	6P	6P	3	3		E F TURNER	2 3 5
LEWES	5320	SUSSEX	COASTAL	38 46	75 08	10	EST	8P	8P	4	4		E E LYNCH	2 3 5
MILFORD	5915	SUSSEX	COASTAL	38 55	75 25	20	EST	6P	6P	53	53		L G MARKERT	2 3 5
MILLSBORO	6020	SUSSEX	COASTAL	38 35	75 19	20	EST	6P	6P	56	56		P C TOWNSEND	2 3 5
NEWARK PUMPING STATION	6405	NEW CASTLE	COASTAL	39 40	75 45	110	EST		MID		17		G C PRICE	3
NEWARK COLLEGE FARM	6410	NEW CASTLE	COASTAL	39 39	75 46	110	EST	6P	6P	36	36		FRED COLLINS	2 3 5
SMYRNA	8510	KENT	COASTAL	39 15	75 36	45	EST	6P	6P	1	1		C M EWING	2 3 5
WILMINGTON WB NEW CASTLE	9595	NEW CASTLE	COASTAL	39 40	75 36	73	EST	MID	MID	1	1		U S WEATHER BUREAU	2 3 4 5
WILMINGTON CITY HALL	9600	NEW CASTLE	COASTAL	39 45	75 33	99	EST		5P		55		STREET DEPARTMENT	3
WILMINGTON PORTER RESERVOIR	9605	NEW CASTLE	COASTAL	39 46	75 32	260	EST	MID	MID	37	37		WATER DEPARTMENT	2 3 5
DISTRICT OF COLUMBIA														
BRIGHTWOOD	1135		POTOMAC	38 57	77 01	260	EST	8A	8A	2	2		BENJ C CRUCKSHANKS	2 5
DALECARLIA RESERVOIR	2325		POTOMAC	38 56	77 07	146	EST	2P	2P	3	3		JAMES L KERRICK	2 3 5
NATIONAL ARBORETUM	6350		POTOMAC	38 54	76 58	70	EST	3P	3P	3	3		JAMES R HARLOW	2 3 5
U S SOLDIERS HOME	9035		POTOMAC	38 56	77 01	230	EST	7A	7A	4	4		R C PRATT	2 3 5
WASHINGTON WB CITY	9290		POTOMAC	38 54	77 03	72	EST	MID	MID	78	78		U S WEATHER BUREAU	2 3 4 5
MARYLAND														
ABERDEEN PROVING GROUND	0015	HARFORD	CHESAPEAKE	39 28	76 10	62	EST	MID	MID	30	30		U S ARMY	2 3 5
ANNAPOLIS U S NAVAL ACADEMY	0185	ANNE ARUNDEL	CHESAPEAKE	38 59	76 28	40	EST	MID	MID	83	83		U S NAVY	2 3 4 5
BALTIMORE WB AIRPORT	0465	BALTIMORE	CHESAPEAKE	39 15	76 32	16	EST	MID	MID	14	14		U S WEATHER BUREAU	2 3 4 5
BALTIMORE WB CITY	0470		CHESAPEAKE	39 17	76 37	14	EST	MID	MID	78	78		U S WEATHER BUREAU	2 3 4 5
BALTIMORE HAMILTON	0475		CHESAPEAKE	39 23	76 33	355	EST	6P	6P	1	1		R G BAUER JR	2 3 5
BATTERY PARK	0565	MONTGOMERY	POTOMAC	39 00	77 07	338	EST	5P	5P	3	3		RAY K LINSLEY	2 3 5
BELTSVILLE	0700	PRINCE GEORGES	POTOMAC	39 02	76 53	120	EST	8A	8A	11	11		J B SHEPHERD	2 3 4 5 6
BENSON POLICE BARRACKS	0732	HARFORD	CHESAPEAKE	39 30	76 23	365	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
BETHESDA	0795	MONTGOMERY	POTOMAC	38 58	77 07	220	EST				4		U S ENGINEERS	3 4
BLACKWATER	0915	DORCHESTER	CHESAPEAKE	38 26	76 08	5	EST	4P	4P	8	8		NATL WILDLIFE REFUGE	2 3 5 6
BRIGHTON DAM	1125	MONTGOMERY	PATUXENT	39 12	77 01	320	EST		8A		3		FRED S GILPIN	3
BROOKDALE	1170	MONTGOMERY	CHESAPEAKE	38 57	77 06	260	EST		7P		3		B FRANCIS DASHIELL	3
BROOKSIDE MANOR	1180	PRINCE GEORGES	POTOMAC	38 58	76 58	50	EST	6P	6P	3	3		RALPH HIGGS	2 3 5
BURR MILLS RESERVOIR	1278	MONTGOMERY	POTOMAC	39 02	77 00	220	EST		8A		3		J M JESTER	3
CAMBRIDGE	1385	DORCHESTER	CHESAPEAKE	38 34	76 09	15	EST	7P	7P	54	54		D ARCY HARDING	2 3 5
CHARLOTTE HALL	1685	ST MARYS	PATUXENT	38 28	76 44	167	EST	6P	6P	27	27		J B TENNYSON	2 3 5
CHELTENHAM	1710	PRINCE GEORGES	PATUXENT	38 44	76 51	230	EST	7A	7A	48	48		U S MAGNETIC OBS	2 3 5
CHESTERTOWN	1750	KENT	CHESAPEAKE	39 13	76 04	35	EST	11P	11P	43	43		T W ELIASON JR	2 3 5
CHEWVILLE BRIDGEPORT	1790	WASHINGTON	POTOMAC	39 38	77 44	560	EST	ss	ss	51	51		D PAUL OSWALD	2 3 5
CLEAR SPRING	1890	WASHINGTON	POTOMAC	39 40	77 54	560	EST	5P	5P	49	49		MRS L A COHILL	2 3 5
COCKEYSVILLE	1960	BALTIMORE	CHESAPEAKE	39 27	76 39	390	EST		MID		1		D M PARKS	3 4
COLEMAN	1980	KENT	CHESAPEAKE	39 21	76 07	80	EST	ss	ss	51	51		W B HARRIS	2 3 5
COLLEGE PARK UNIV OF MD	1995	PRINCE GEORGES	POTOMAC	38 59	76 56	95	EST	5P	5P	62	62		R G BROWN	2 3 5
COLLEGE PARK SCS	2000	MONTGOMERY	POTOMAC	39 03	76 57	309	EST		MID		9		HAROLD HOBBS	3 4
CONOWINGO DAM	2060	HARFORD	SUSQUEHANNA	39 39	76 10	40	EST	MID	MID	13	13		SUSQUEHANNA ELEC CO	2 3 5
CONOWINGO POLICE BARRACKS	2065	HARFORD	SUSQUEHANNA	39 39	76 11	195	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
CRISFIELD	2205	SOMERSET	CHESAPEAKE	37 59	75 51	5	EST	5P	5P	29	29		G C ADAMS SR	2 3 5
CUMBERLAND	2280	ALLEGANY	POTOMAC	39 39	78 48	623	EST	8A	8A	78	78		R R GOLDEN	2 3 5
CUMBERLAND POLICE BARRACKS	2285	ALLEGANY	POTOMAC	39 40	78 47	880	EST	6P	6P	1	1		MD STATE POLICE	2 3 5
DISTRICT HEIGHTS	2585	PRINCE GEORGES	POTOMAC	38 51	76 54	272	EST	6P	6P	3	3		J P KOHLER	2 3 5
EASTON POLICE BARRACKS	2700	TALBOT	CHESAPEAKE	38 46	76 01	60	EST	5P	5P	58	58		MD STATE POLICE	2 3 5
EDGEMONT	2770	WASHINGTON	POTOMAC	39 40	77 33	920	EST		8A		10		LEE G HARNE	3
ELKTON	2860	CECIL	CHESAPEAKE	39 36	75 50	28	EST	6P	6P	22	22		H W BOUCHELLE	2 3 5
EMMITTSBURG	2905	FREDERICK	POTOMAC	39 41	77 21	720	EST	5P	5P	82	82		MT ST MARYS SEMINARY	2 3 5
FALLSTON	3050	HARFORD	CHESAPEAKE	39 30	76 24	450	EST	6P	6P	79	79		MISS ETHEL CURTISS	2 3 5
FORT GEORGE G MEADE	3230	ANNE ARUNDEL	PATUXENT	39 07	76 46	195	EST	MID	6P	7	7		U S ARMY	2 3 5
FREDERICK	3345	FREDERICK	POTOMAC	39 25	77 25	297	EST	5P	5P	79	79		D J MARKEY JR	2 3 5
FREDERICK POLICE BARRACKS	3348	FREDERICK	POTOMAC	39 25	77 25	380	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
FREDERICK WB AIRPORT	3350	FREDERICK	POTOMAC	39 25	77 27	371	EST	10P	10P	5	5		U S WEATHER BUREAU	2 3 4 5
FRIENDSVILLE	3400	GARRETT	YOUGHIOGHENY	39 40	79 25	1980	EST	6P	6P	26	26		HARRY N SAVAGE	2 3 5
FROSTBURG	3410	ALLEGANY	POTOMAC	39 39	78 55	2100	EST	6P	6P	47	47		C A SUTER JR	2 3 5
GERMANTOWN	3585	MONTGOMERY	POTOMAC	39 10	77 23	460	EST	6P	6P	28	28		R F STALEY	2 3 5
GLEN ECHO	3645	MONTGOMERY	POTOMAC	38 58	77 09	150	EST		MID		4		U S ENGINEERS	3 4
GLENELG	3655	HOWARD	PATUXENT	39 16	76 59	630	EST	6P	6P	2	2		JACOB S BROWN	2 3 5
GLENN DALE BELL STATION	3675	PRINCE GEORGES	PATUXENT	38 58	76 48	151	EST	4P	4P	28	28		BUREAU PLANT INDUSTRY	2 3 5
GRANTSVILLE	3795	GARRETT	OHIO	39 42	79 09	2300	EST		MID		6		MARY R BITTINGER	3 4
GRASONVILLE	3805	QUEEN ANNES	CHESAPEAKE	38 57	76 13	8	EST	6P	6P	1	1		MISS CAROLYN COURSEY	2 3 5
GREAT FALLS	3855	MONTGOMERY	POTOMAC	39 00	77 15	200	EST	5P	8A	60	60		U S ENGINEERS	2 3 5
GROSVENOR LANE	3930	MONTGOMERY	POTOMAC	39 01	77 09	330	EST	6P	6P	2	2		A F MAGRUM	2 3 5
HAGERSTOWN	3975	WASHINGTON	POTOMAC	39 39	77 44	660	EST	6P	6P	7	7		WM M HAMBY	2 3 5
HANCOCK	4025	WASHINGTON	POTOMAC	39 42	78 11	540	EST				39		H E KERSHNER	7
HANCOCK FRUIT LABORATORY	4030	WASHINGTON	POTOMAC	39 42	78 11	428	EST	8A	8A	15	15		CHARLES O DUNBAR	2 3 5
HUNTINGTOWN	4485	CALVERT	CHESAPEAKE	38 37	76 37	160	EST	7P	7P	13	13		ELMER O BOWEN	2 3 5
KEDYSVILLE	4780	WASHINGTON	POTOMAC	39 29	77 42	420	EST	6P	6P	45	45		TRAVIS D KNODE	2 3 4 5
LA PLATA	5080	CHARLES	POTOMAC	38 32	76 58	190	EST	7P	7P	34	34		WALLACE S BARNES	2 3 5
LEONARDTOWN	5200	ST MARYS	POTOMAC	38 18	76 38	100	EST	5P	5P	14	14		THOMAS E STOKEL	2 3 4 5
LUKE	5530	ALLEGANY	POTOMAC	39 29	79 03	950	EST		8A		11		J G PATRICK	3 4
MARYLAND LINE	5715	BALTIMORE	CHESAPEAKE	39 43	76 39	840	EST	5P	5P	24	24		CHESTER L FULTON	2 3 5
MILLINGTON	5985	KENT	CHESAPEAKE	39 15	75 50	27	EST	ss	ss	51	51		HENRY L HIGMAN	2 3 5
OAKLAND	6620	GARRETT	MONONGAHELA	39 24	79 24	2420	EST	5P	5P	51	51		R E WEBER	2 3 5
OCEAN CITY	6665	WORCESTER	COASTAL	38 20	75 05		EST		MID				U S COAST GUARD	3 4
OWINGS FERRY LANDING	6770	CALVERT	CHESAPEAKE	38 42	76 41	120	EST	7P	7P	32	32		THOMAS J BOURNE	2 3 5
OXFORD	6785	TALBOT	CHESAPEAKE	38 42	76 10	10	EST	5P	5P	12	12		HENRY WILCOX	2 3 5
PATUXENT RIVER	6915	ST MARYS	COASTAL	38 17	76 24	74	EST		MID		5		U S NAVAL AIR STATION	3 4

STATION INDEX - Continued

MARYLAND AND DELAWARE

OCTOBER 1948

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT.	LONG.	ELEV. (FT.)	TIME OF OBSERVATION			YEARS OF RECORD			OBSERVER	REFER TO TABLES
							ZONE	TEMP.	PRECIP.	TEMP.	PRECIP.	EVAP.		
PERRY POINT	6980	CECIL	CHESAPEAKE	39 34	76 04	40	EST		6P		8		VETERANS ADM	3
PICARDY	7010	ALLEGANY	POTOMAC	39 33	78 30	1030	EST	6P	6P	22	22		OSCAR R DAY	2 3 5
PIKESVILLE POLICE BARRACKS	7015	BALTIMORE	PATAPSCO	39 22	76 43	485	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
PRETTY BOY DAM	7315	BALTIMORE	CHESAPEAKE	39 38	76 42	780	EST	5P	5P	18	18		C W HENDRIX	2 3 5
RANDALLSTOWN POLICE BARRACKS	7435	BALTIMORE	PATAPSCO	39 23	76 48	625	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
RIDGELY	7575	CAROLINE	CHESAPEAKE	38 57	75 53	67	EST	6P	6P	58	58		J K SNOWBERGER	2 3 5
RIVERDALE	7615	PRINCE GEORGES	POTOMAC	38 58	76 56	45	EST	6P	6P	3	3		R T ZOCH	2 3 5
ROCK CREEK FOREST	7690	MONTGOMERY	POTOMAC	39 00	77 04	200	EST		6P				CHARLES O SCHICK	3
ROCK HALL	7700	KKNT	CHESAPEAKE	39 08	76 14	15	EST	6P	6P	35	35		EDWIN URIE	2 3 5
ROCKVILLE	7705	MONTGOMERY	POTOMAC	39 05	77 09	440	EST	5P	5P	1	1		MONTGOMERY CO POLICE	2 3 5
ROYAL OAK	7806	TALBOT	CHESAPEAKE	38 43	76 11	10	EST	6P	6P	1	1		J L SWAINE JR	2 3 5
SALISBURY	8000	WICOMICO	CHESAPEAKE	38 22	75 37	10	EST	4P	4P	42	42		CITY OF SALISBURY	2 3 5
SALISBURY POLICE BARRACKS	8003	WICOMICO	CHESAPEAKE	38 25	75 34	42	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
SALISBURY MUNICIPAL AIRPORT	8005	WICOMICO	CHESAPEAKE	38 20	75 30	46	EST	MID	MID	1	1		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				7		WALTER G MANN	3 4
SINES DEEP CREEK	8315	GARRETT	YODGHIOSHENY	39 31	78 25	2030	EST	MID	MID	24	24		C E MAC MURRAY	2 3 4 5
SOLOMONS	8405	CALVERT	CHESAPEAKE	38 19	76 27	20	EST	6P	6P	57	57		CHESAPEAKE BIOLOG LAB	2 3 5
TAKOMA PARK BALTO AVE	8720	MONTGOMERY	POTOMAC	38 59	77 01	320	EST	6P	6P	50	50		GUY L SEAMAN	2 3 5
TAKOMA PARK MISS AVE	8725	MONTGOMERY	POTOMAC	38 59	77 00	230	EST	7P	7P	4	4		O L HARVEY	2 3 5
TONOLOWAY	8855	WASHINGTON	POTOMAC	39 40	78 12	550	EST	6P	6P	24	24		AMER FRUIT GROWERS	2 3 5
TOWSON	8877	BALTIMORE	PATAPSCO	39 24	76 36	415	EST	5P	5P		36		BALTIMORE CO POLICE	2 3 5
UNIONVILLE	9030	FREDERICK	POTOMAC	39 28	77 11	450	EST	6P	6P	9	7		G P VON EIFF JR	2 3 4 5
WALDORF POLICE BARRACKS	9195	CHARLES	POTOMAC	38 39	76 53	210	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
WATERLOO POLICE BARRACKS	9314	HOWARD	PATAPSCO	39 10	76 47	230	EST	5P	5P	1	1		MD STATE POLICE	2 3 5
WEST LANHAM HILLS	9400	PRINCE GEORGES	POTOMAC	38 57	76 53	165	EST	6P	6P	1	1		LILBURN H SEAMON	2 3 5
WESTERN PORT	9405	ALLEGANY	POTOMAC	39 29	79 02	1000	EST	6P	6P	55	55		MORRIS BRUCE	2 3 5
WESTMINSTER	9435	CARRROLL	CHESAPEAKE	39 35	77 00	770	EST	6P	6P	39	39		H J MATHIAS	2 3 5
WHITE HALL	9507	BALTIMORE	CHESAPEAKE	39 37	76 38	350	EST		5P		1		BLAINE MC COLLUM	3
WILLIAMSPORT	9570	WASHINGTON	POTOMAC	39 37	77 51	360	EST		7A		10		R C WILLSON	3
WILLIS SCHOOL FILTER PLANT	9579	PRINCE GEORGES	PATUXENT	39 06	76 54	400	EST		8A		3		ROBERT E CRAVER	3
WOODSTOCK COLLEGE	9750	BALTIMORE	CHESAPEAKE	39 20	76 53	415	EST	6P	6P	79	79		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.

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

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

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

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F., precipitation and evaporation in inches, river stages in feet, and wind movement in miles.

- No record.
- + And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with windshield.
- 6 No recording gage, precipitation is measured at 6-hourly intervals.
- b Adjusted to a full month.
- m One or more days of record missing; see Table 5 for detailed daily record.
- ss This entry in time of observation column in Station Index means sunset.
- r Station equipped with recording gage only. All amounts in Table 3 are from the non-recording gages, except for stations with this reference.
- x Daily precipitation totals in Table 3 are for the 24-hours ending at 1:30 A.M., E.S.T., of the following day.
- z Hourly amounts from the recording gage at the same site may be found in Table 4.
- T Trace, an amount too small to measure.

When hourly precipitation is accumulated over a period of 3 or more calendar days, with unknown hourly or daily distribution, the first and last days are shown in Table 4.

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

Data in Table 4 were formerly published in the Hydrologic Bulletin for North Atlantic District. Amounts in this table are from recording gages. Traces are not shown.

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