

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

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CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

AUGUST 1949

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MARYLAND AND DELAWARE - AUGUST 1949

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

GENERAL SUMMARY

Rainfall averaged near normal and temperatures averaged slightly above normal during this month. This was the tenth consecutive month with temperatures averaging above normal. Since January 1, 1949, the mean temperatures have averaged 3.2 degrees above normal. However, during August, extremely warm or cool weather was infrequent. Generally, the highest temperature occurred on or near the 11th with readings ranging from the high-80's in Garrett County to near 100 in most Delaware and eastern Maryland stations. The lowest temperatures occurred near the 21st with the range from near 40 in Garrett County to the lower-60's at some eastern stations. Generally, it was warm from the 2nd through the 13th and from the 24th through the 31st, while the only significant below normal temperatures occurred from the 18th through the 22nd. A few scattered stations in Talbot, Montgomery, and Allegany Counties were slightly below normal. Most of Delaware and eastern and southern Maryland were over one degree warmer than normal, the greatest departures being reported at Crisfield, Washington, D.C., Coleman, Ridgely and Baltimore.

When compared with normal amounts, the August rainfall of the various stations of Maryland, Delaware and the District presented an eccentric picture. Southeastern and extreme southern Maryland had heavy rains while northeastern Maryland and northern Delaware were deficient. In the remainder of the two state area, however, showers which fell at one station and missed the next produced a hit and miss pattern of stations with above or below normal rainfall. Areas where rainfall was substantially excessive or deficient were relatively small. Most showers occurred during the 3rd-5th, 11th-18th, 24th, and 28th-31st, thus providing a very good distribution through the month.

During the night of the 28th-29th, the remains of a severe hurricane, which caused heavy property damage as it crossed the Florida peninsula, a few days earlier, passed over this region. Wind velocities near and east of the Chesapeake Bay reached into the 50 to 60 miles per hour range with some gusts near 70 miles per hour. Heavy rains accompanied these high wind velocities. There was a large amount of minor property and crop damage. However, the over-all value of the rainfall to growing vegetation was considerably more than the damage to property.

Temperatures and rainfall were conducive to good recovery in previously dry areas and to generally good development of growing crops. In addition to the storm of the 28th-29th, some locally heavy rains near the Chesapeake Bay on the 5th and 12th resulted in some crop damage. The harvest of truck crops and fruits progressed well. Pastures improved considerably with beneficial weather. The tobacco crop began to move to the barns during the latter half of the month. The preparation of ground for seeding winter grains also got under way during the last two weeks.--H.L.A.

TEMPERATURE

The monthly mean temperature for the section was 74.8 degrees, 1.3 degrees above normal; for Maryland and the District of Columbia, 74.8 degrees, 1.4 degrees above normal; and for Delaware, 75.5 degrees, 1.1 degrees above normal.

For Maryland, the monthly mean temperature varied from 80.1 degrees at Crisfield, to 66.2 degrees at Sines. The highest temperature was 102 degrees on the 11th at Salisbury Police Barracks, and the lowest was 40 degrees on the 21st at Oakland. The greatest local monthly temperature range was 56 degrees at Cumberland Police Barracks, ranging from 97 degrees on the 11th to 41 degrees on the 21st. The least local monthly range was 33 degrees at Solomons, ranging from 96 degrees on the 10th to 63 degrees on the 20th.

For Delaware, the monthly mean temperature varied from 76.8 degrees at Milford to 74.3 degrees at Newark College Farm. The highest temperature was 101 degrees on the 11th at Milford, and the lowest was 47 degrees on the 20th at Newark College Farm. The greatest local monthly temperature range was 49 degrees at Georgetown, having a high reading of 99 degrees on the 11th and a low of 50 degrees on the 22nd and at Delaware City, having a high reading of 98 on the 11th and a low of 49 degrees on the 20th. The least local monthly range was 44 degrees at Lewes with a high reading of 96 degrees on the 10th and a low reading of 52 degrees on the 21st.

PRECIPITATION

The monthly average for the section was 4.32 inches, 0.19 inch below normal; for Maryland, 4.32 inches, 0.14 inch below normal; and for Delaware, 4.31 inches, 0.54 inch below normal. For Maryland, it was greatest at Crisfield with 9.55 inches, and least at Bentley Springs with 1.69 inches. The greatest 24-hour amount was 4.70 inches on the 2nd at Solomons. For Delaware, the monthly precipitation was greatest at Georgetown with 5.92 inches and least at Delaware City with 2.77 inches. The greatest 24-hour amount was 2.14 inches on the 29th at Milford.

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

AUGUST 1949

Station	Sea level pressure extremes--inches				Wind speed--m. p. h.				Relative humidity averages--percent				Sunshine		Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E. S. T.	7:30 a. E. S. T.	1:30 p. E. S. T.	7:30 a. E. S. T.	Percent of possible	-	
ABERDEEN PHILLIPS FIELD, MD. ANNAPOLIS NAVAL ACADEMY, MD. BALTIMORE WB CITY, MD. WASHINGTON WB CITY, DC WILMINGTON WB AIRPORT, DEL.	30.18	28	29.52	29	5.9	-	-	-	94	86	61	82	-	-	
	30.25	26	29.58	29	5.9	-	-	-	85	82	66	72	-	-	
	30.26	25	29.60	28	7.5	49	SE	-	83	80	56	66	61	-	
	30.25	26	29.59	29	5.9	-	-	-	81	79	54	66	60	-	
	30.25	25	29.59	29	6.0	-	-	-	90	83	55	72	-	-	

‡ Airport Data

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days 0.1 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days 0.1 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days 0.1 or more
MARYLAND																				
1895	75.2	102	31	1.90	0.0	7	1934	72.0	97	32	4.94	0.0	10	1914	76.5	100	55	3.94	0.0	8
1896	74.2	100	34	1.77	0.0	6	1935	74.1	100	36	3.22	0.0	9	1915	74.5	101	49	8.05	0.0	12
1897	71.6	95	39	3.53	0.0	8	1936	75.8	101	39	4.11	0.0	10	1916	74.9	99	49	1.14	0.0	5
1898	75.3	98	46	6.42	0.0	9	1937	75.5	100	44	6.87	0.0	13	1917	75.0	98	51	3.54	0.0	9
1899	74.1	102	41	4.09	0.0	9	1938	76.2	100	38	2.61	0.0	6	1918	76.7	107	48	1.55	0.0	5
1900	78.8	103	41	3.04	0.0	9	1939	76.1	99	44	4.20	0.0	8	1919	72.5	94	51	9.54	0.0	11
1901	74.9	98	42	5.72	0.0	10	1940	71.3	97	38	5.29	0.0	13	1920	74.5	91	52	8.13	0.0	18
1902	71.6	100	33	2.11	0.0	7	1941	72.9	100	36	3.14	0.0	7	1921	72.3	98	49	3.62	0.0	9
1903	71.0	100	37	5.25	0.0	13	1942	72.6	97	35	7.30	0.0	13	1922	72.9	91	51	4.79	0.0	11
1904	71.8	97	31	2.96	0.0	8	1943	75.5	102	38	1.42	0.0	6	1923	73.0	96	45	2.78	0.0	10
1905	72.9	104	38	5.19	0.0	9	1944	74.2	102	34	3.46	0.0	7	1924	74.2	100	49	4.57	0.0	7
1906	75.6	96	47	8.32	0.0	16	1945	72.5	99	34	3.73	0.0	9	1925	72.4	95	45	3.39	0.0	7
1907	71.3	95	39	4.40	0.0	11	1946	70.1	95	34	4.61	0.0	10	1926	76.1	101	55	5.66	0.0	11
1908	71.7	101	34	4.98	0.0	9	1947	76.4	99	47	3.30	0.0	8	1927	69.6	91	47	4.96	0.0	13
1909	71.7	99	33	3.11	0.0	7	1948	73.5	107	44	6.62	0.0	10	1928	77.0	100	55	10.00	0.0	12
1910	72.3	95	34	2.79	0.0	9	1949	74.8	102	40	4.32	0.0	10	1929	72.7	97	45	2.84	0.0	8
1911	74.7	104	37	9.95	0.0	15	Period	73.4	109	30	4.46	0.0	10	1930	74.4	102	46	1.59	0.0	4
1912	71.5	99	36	2.93	0.0	9	DELAWARE							1931	75.8	101	56	9.88	0.0	13
1913	73.0	101	38	3.90	0.0	9	1895	77.1	100	49	2.73	0.0	7	1932	75.7	100	50	2.12	0.0	6
1914	74.4	102	38	4.84	0.0	9	1896	75.8	103	50	1.57	0.0	7	1933	75.6	98	56	12.73	0.0	13
1915	72.4	103	38	8.22	0.0	15	1897	73.5	93	54	3.33	0.0	7	1934	72.9	94	44	5.40	0.0	10
1916	74.1	101	38	2.42	0.0	7	1898	76.7	95	53	5.07	0.0	7	1935	74.6	99	49	3.66	0.0	10
1917	73.3	100	40	3.15	0.0	8	1899	74.4	96	52	4.91	0.0	8	1936	76.4	100	50	6.08	0.0	8
1918	76.0	109	40	3.19	0.0	9	1900	78.7	104	52	2.79	0.0	9	1937	76.1	95	55	8.29	0.0	15
1919	71.9	96	37	5.37	0.0	11	1901	76.7	95	57	7.13	0.0	9	1938	76.8	98	49	3.40	0.0	7
1920	73.4	95	42	6.86	0.0	16	1902	73.1	96	48	1.62	0.0	7	1939	76.8	97	54	9.50	0.0	11
1921	71.2	97	37	3.70	0.0	8	1903	72.4	99	49	4.58	0.0	9	1940	72.3	95	48	5.69	0.0	12
1922	71.6	98	31	3.19	0.0	10	1904	72.8	94	48	2.42	0.0	6	1941	73.6	97	44	3.14	0.0	7
1923	72.7	98	34	3.12	0.0	11	1905	73.3	93	51	6.49	0.0	10	1942	73.4	96	45	7.63	0.0	12
1924	73.3	103	35	4.00	0.0	8	1906	76.9	97	59	9.25	0.0	14	1943	75.8	100	47	1.30	0.0	6
1925	71.6	98	35	2.38	0.0	8	1907	72.8	95	51	3.29	0.0	9	1944	75.0	98	43	3.50	0.0	6
1926	74.8	104	42	6.54	0.0	14	1908	72.1	97	48	5.06	0.0	11	1945	72.6	95	47	5.06	0.0	10
1927	68.4	92	36	3.97	0.0	13	1909	72.3	95	48	2.97	0.0	4	1946	70.8	92	46	4.19	0.0	10
1928	75.5	99	41	9.09	0.0	12	1910	72.9	92	51	3.32	0.0	11	1947	75.9	99	51	2.97	0.0	8
1929	71.3	99	35	2.69	0.0	7	1911	75.4	99	51	9.87	0.0	13	1948	73.9	101	52	5.88	0.0	10
1930	73.7	108	30	1.06	0.0	5	1912	73.8	97	49	1.87	0.0	7	1949	75.5	101	47	4.31	0.0	10
1931	73.6	101	40	7.44	0.0	15	1913	74.0	99	52	3.60	0.0	8	Period	74.4	107	43	4.85	0.0	10
1932	74.6	104	38	2.55	0.0	7														
1933	73.8	100	40	10.00	0.0	12														

CLIMATOLOGICAL DATA

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	1/16 or more	1/8 or more	1/4 or more
MARYLAND																		
ABERDEEN PHILLIPS FIELD	74.9	1.1	97	11	51	20	6	0	3.07	-1.50	1.03	5	0	0	0	11	3	1
ANNAPOLIS U S NAVAL ACADEMY	76.6	0.8	93	11	59	20	3	0	3.72	- .77	1.89	18	0	0	7	4	1	
BALTIMORE WB AIRPORT	77.7	2.7	99	10+	57	20	7	0	2.01	-2.36	.56	18	0	0	12	3	0	
BALTIMORE WB CITY	78.1	2.6	98	10+	58	20	7	0	2.82	-1.55	.93	18	0	0	10	4	0	
BALTIMORE HAMILTON	75.4		97	11	52	20+	6	0	3.25		1.06	13	0	0	5	4	1	
BATTERY PARK	74.9		95	10+	51	20+	7	0	4.39		1.62	18	0	0	6	4	2	
BELTSVILLE	74.5	1.2	97	12	50	21	6	0	3.75	-1.09	1.58	18	0	0	9	3	2	
BELTSVILLE PLT IND STA NO 1	74.3		96	11+	50	21	5	0	4.03		1.44	18	0	0	8	5	2	
BELTSVILLE PLT IND STA NO 2	74.1		96	11+	48	21	6	0	3.84		1.52	18	0	0	9	3	2	
BELTSVILLE PLT IND STA NO 3	75.0		97	12	51	21	6	0	4.24		1.65	18	0	0	9	3	2	
BELTSVILLE PLT IND STA NO 4	75.8		97	12	53	21	8	0	4.68		1.78	18	0	0	9	3	2	
BELTSVILLE PLT IND STA NO 5	74.1		96	12	49	21	6	0	4.99		1.75	29	0	0	8	5	2	
BELTSVILLE PLT IND STA NO 6	74.6		97	12	49	21	6	0	5.16		1.91	29	0	0	8	5	2	
BENSON POLICE BARRACKS	72.6		95	11	45	20	6	0	4.22		1.40	29	0	0	6	5	2	
BENTLEY SPRINGS	72.5		94	11	44	20	4	0	1.69		.82	29	0	0	6	2	0	
BLACKWATER	75.2	1.3	96	12	53	19	4	0	3.25	.65	2.00	29	0	0	6	3	1	
BRIGHTON DAM	73.4		97	13	47	22	6	0	4.55		1.59	18	0	0	5	4	3	
BROOKSIDE MANOR	75.7M		97	11	52	21	9	0	4.82		1.17	18	0	0	9	6	1	
CAMBRIDGE	77.1	1.2	99	11	52	21+	10	0	3.22	-1.53	2.25	29	0	0	8	2	1	
CHARLOTTE HALL	75.9	0.6	95	10+	55	22	4	0	3.94	.37	1.33	29	0	0	11	4	2	
CHELLENHAM	74.9	1.0	97	12	53	22	6	0	3.68	-1.13	1.42	29	0	0	10	5	1	
CHESTERTOWN	76.5	2.1	98	11	54	21	10	0	3.83	-.34	1.19	5	0	0	9	4	2	
CHEWSVILLE BRIDGEPORT	73.1	1.2	96	10	49	20+	5	0	3.15	-.70	1.02	18	0	0	8	5	1	
CLEAR SPRING	73.6	1.4	100	10	51	20+	7	0	4.61	.42	1.61	18	0	0	9	4	2	
COLEMAN	77.7M	3.0	101	10+	56	20+	17	0	4.96	.25	1.88	4	0	0	9	5	1	
COLLEGE PARK UNIV OF MD	75.5M	1.5	97	10+	50	22	7	0	4.96	.69	1.81	29	0	0	9	5	2	
CONOWINGO DAM	73.8	0.2	95	11	47	21	4	0	3.83	-.44	1.28	5	0	0	8	7	1	
CONOWINGO POLICE BARRACKS	70.8		94	9	43	20	5	0	5.33		1.75	4	0	0	9	5	3	
CRISFIELD	80.1	3.3	95	11+	61	20	11	0	9.55	5.05	2.54	31	0	0	11	7	4	
CUMBERLAND	72.2	-0.4	95	11	47	21	4	0	5.25	1.77	1.84	18	0	0	14	5	2	
CUMBERLAND POLICE BARRACKS	69.2		97	11	41	21	3	0	4.51		1.80	29	0	0	10	3	2	
DISTRICT HEIGHTS	76.2		98	11	54	20+	7	0	3.74		1.10	29	0	0	9	5	2	
DUNDALK	77.0		98	11	55	20+	8	0	3.06		.90	18	0	0	9	4	0	
EASTON POLICE BARRACKS	74.5	-0.1	97	11	51	22	6	0	3.64	-.81	1.01	29	0	0	8	4	1	
ELTON	75.5	1.4	98	11	48	20+	9	0	3.28	-2.16	1.01	29	0	0	7	4	1	
FALLSTON	73.8	1.4	93	11	51	20	4	0	4.26	-.59		0	0	0	8			
FORT GEORGE G MEADE	73.6	-1.0	98	10	47	20	8	0	4.48	.08	1.58	18	0	0	5	4	2	
FREDERICK POLICE BARRACKS	74.4	0.2	95	10+	48	20	8	0	4.51	.68	1.80	29	0	0	10	3	2	
FREDERICK WB AIRPORT	76.1		96	12	51	20	8	0	3.01		1.61	18	0	0	5	2	2	
FROSTBURG	68.9	-1.0	90	9+	44	20+	2	0	5.04	.82	1.71	18	0	0	15	4	2	
GERMANTOWN	74.5	-1.8	95	11	51	20	5	0	3.26	-1.00	1.50	18	0	0	5	4	1	
GLENN DALE BELL STATION	75.3	1.7	99	11	49	20	9	0	2.78	-1.66	1.11	29	0	0	6	3	1	
GRASONVILLE	75.8		97	11	52	22	6	0	4.50		1.95	18	0	0	6	5	2	
GREAT FALLS	74.6	0.6	96	11	51	21	9	0	4.62	.54	1.36	17	0	0	8	5	2	
GREENBELT	74.9		98	11+	49	21	7	0	3.78		.99	29	0	0	13	5	0	
GROSVENOR LANE	73.8		95	11	49	21	5	0	4.61		1.56	18	0	0	8	4	3	
HAGERSTOWN	74.1		96	10	50	20	5	0	3.85		1.02	12	0	0	6	5	2	
HANCOCK FRUIT LABORATORY	72.6	-0.4	96	11	47	21	6	0	5.29	2.09	1.75	18	0	0	10	4	3	
HUNTINGTOWN	75.7	1.5	97	10+	53	22	5	0	4.49	.29	1.69	13	0	0	9	4	2	
KEDYSVILLE	74.8	1.0	99	10+	48	20	10	0	3.38	-.68	1.28	18	0	0	8	3	2	
LA PLATA	76.6	1.7	100	10+	55	21	7	0	3.40	-1.19	1.20	29	0	0	6	3	2	
LAUREL	75.6		99	11	54	20+	6	0	4.10		1.96	18	0	0	8	4	1	
LEONARDTOWN	76.0		96	11	55	21	7	0	3.74		1.59	18	0	0	9	4	2	
MILLINGTON	75.9M	1.7	97	11	51	20	8	0	6.15	1.36	1.97	5	0	0	8	6	3	
NEW GERMANY	65.2		87	10+					4.29		1.95	18	0	0	6	3	2	
OAKLAND	67.4	1.4	87	9+	40	21	0	0	3.91	-.47	1.21	18	0	0	11	5	1	
OCEAN CITY	78.4		97	11	62	21	6	0	2.67		.58	18	0	0	12	3	0	
OWINGS FERRY LANDING	75.6	1.0	98	11	53	22	6	0	8.09	3.64	3.97	12	0	0	8	6	3	
OXFORD	76.7	-0.4	95	10	58	21	4	0	2.88	-1.04	1.33	29	0	0	8	3	1	
PICARDY	72.5	0.3	95	11	47	21	5	0	6.29	2.52	1.97	18	0	0	9	7	2	
PIKESVILLE POLICE BARRACKS	74.9		98	11	51	20	6	0	4.14		1.26	29	0	0	6	4	2	
POCOMOKE CITY	77.2	1.1	99	11	53	26	11	0	5.41	.56	2.40	5	0	0	5	5	2	
PRESTON	76.1		99	11	53	21+	10	0	4.15		2.00	12	0	0	4	3	2	
PRETTYBOY DAM	73.9	1.1	93	11	50	20	4	0	2.49	-2.57	.90	29	0	0	6	4	0	
PRINCESS ANNE	76.1	0.4	96	11+	51	21+	7	0	7.41	2.39	2.63	29	0	0	8	5	4	
RANDALLSTOWN POLICE BARRACKS	72.1		92	10	42	21	4	0	4.09		1.23	18	0	0	8	5	1	
RIDGELY	77.3	2.8	97	11	52	21	12	0	4.82	.11	2.26	5	0	0	8	4	2	
RIVERDALE	75.6		98	10+	50	21	11	0	4.42		1.55	29	0	0	9	4	3	
ROCK HALL	75.9M	0.6	97	10	51	21	7	0	5.62	.87	2.82	5	0	0	6	5	1	
ROCKVILLE	75.4		95	11	54	20	6	0	3.35		1.33	18	0	0	5	4	1	
ROYAL OAK	77.5		98	10+	55	21+	9	0	3.05		1.17	29	0	0	11	5	1	
SALISBURY	77.6	2.3	100	11	45	26	12	0	6.41	1.13	2.42	29	0	0	11	6	2	
SALISBURY POLICE BARRACKS	77.5		102	11	52	26	14	0	4.75		2.28	29	0	0	10	5	1	
SALISBURY MUNICIPAL AIRPORT	75.6		99	11	54	20	9	0	7.73		2.08	31	0	0	13	7	4	
SINES DEEP CREEK	66.2	0.6	86	10+	43	22	0	0	5.68	1.47	1.62	5	0	0	8	5	2	
SNOW HILL	76.2	1.7	98	11	52	26	6	0	5.28	.49	2.50	31	0	0	10	5	1	
SOLOMONS	78.4	1.2	96	10	63	20	5	0	8.55	4.60	4.70	2	0	0	9	4	3	
TAKOMA PARK MISS AVE	75.1M	1.1	95	11	53	21	5	0	5.47	1.36	2.08	2	0	0	11			

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE

AUGUST 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
WESTERN PORT	73.5	1.5	97	10	47	21	9	0			2.12	18	0	0		12		
WESTMINSTER	73.7	0.6	96	11	47	20	6	0	2.94	-1.71	.83	29	0	0		8	5	0
WHALEYSVILLE	75.7		101	11	48	26	12	0	2.50		.73	29	0	0		9	3	0
WHITE HALL	68.2		86	11+	45	20+	0	0	2.59		.81	29	0	0		8	4	0
WOODSTOCK COLLEGE	74.7M	1.9	98	11	48	20	9	0	3.89	-.25	1.25	18	0	0		7	4	1
DISTRICT OF COLUMBIA																		
BRIGHTWOOD	76.7		96	12	57	20	7	0										
DALECARLIA RESERVOIR	75.9M		96	12+	53	20	8	0	5.49		1.16	18	0	0		11	5	3
NATIONAL ARBORETUM	77.1		99	11	53	20+	12	0	4.03		1.20	18	0	0		8	4	2
U S SOLDIERS HOME	76.0		96	11+	55	20	6	0	3.69		1.11	29	0	0		8	5	1
WASHINGTON WB CITY	78.2	3.1	96	10+	57	21	9	0	4.57	.56	1.27	12+	0	0		10	5	2
MARYLAND AND DIST OF COLUMBIA	74.8	1.4							4.32	-.14								
DELAWARE																		
BRIDGEVILLE	75.0	0.8	97	11	52	21+	6	0	5.45	.85	1.50	29	0	0		9	7	2
DELAWARE CITY REEDY POINT	76.2	1.4	98	11	49	20	8	0	2.77	-1.66	.78	29+	0	0		7	4	0
DOVER	76.4M	1.7	98	11+	53	22	9	0	3.93	-.93	1.45	29	0	0		10	5	2
GEORGETOWN	75.4		99	11	50	22	8	0	5.92		2.13	29	0	0		14	4	3
LEWES	75.5		96	10	52	21	8	0	4.30		1.07	12	0	0		14	6	1
MILFORD	76.8	1.7	101	11	53	22	13	0	5.91	-.94	2.14	29	0	0		11	7	1
NEWARK COLLEGE FARM	74.3	1.6	95	11	47	20+	8	0	4.33	-.50	1.07	5	0	0		8	6	1
SMYRNA	75.6		96	10+	50	25	7	0	3.68							7		
WILMINGTON WB NEW CASTLE	75.1		96	10+	48	20	9	0	3.55		1.05	31	0	0		10	5	1
WILMINGTON PORTER RESERVOIR	74.8	0.8	95	10+	50	21	7	0	3.23	-1.90	.86	29	0	0		9	5	0
DELAWARE SECTION																		
DELAWARE SECTION	75.5	1.1							4.31	-.54								
SECTION	74.8	1.3							4.32	-.19								

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

AUGUST 1949

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																									
GLEN ECHO																									
SALISBURY MUNICIPAL AIRPORT 6																									
-2d-																									
MARYLAND																									
ABERDEEN PHILLIPS FIELD					.14	.05	.01									.01	.02	.01	.01						.25
BALTIMORE WB AIRPORT 6		*	*	*	*	*	.04																		.20
BELTSVILLE																	.11	.08	.01						.42
BELTSVILLE PLT IND STA NO 5																	.03	.35	.02	.01	.01				.38
BETHESDA																	.03	.04	.17	.08	.05	.01			.42
SALISBURY MUNICIPAL AIRPORT 6	*	.02	*	*	*	*	.04																		.93
SINES DEEP CREEK																		.89	.02		.02				.93
DELAWARE																									
WILMINGTON WB NEW CASTLE 6								*	*	*	*	*	.06	*	*	*	*	*	.12	*	*	*	*	*	
-3d-																									
MARYLAND																									
ABERDEEN PHILLIPS FIELD					.03																				.03
BALTIMORE WB AIRPORT 6														*	*	*	*	*	.06	*	*	*	*	*	.41
BALTIMORE WB CITY																	.11	.09	.03	.01	.09	.08			.41
BELTSVILLE																.35	.03	.04	.10	.02	.06	.01	.01		.62
BELTSVILLE PLT IND STA NO 5																	.01	.08	.01	.07	.13	.09	.04	.02	.45
BETHESDA								.02																	.02
COCKEYSVILLE																	.03	.38	.03	.01					.45
GRANTSVILLE																		.14		.06					.20
LUKE													.06	.02				.03	.03	.01					.15
SALISBURY MUNICIPAL AIRPORT 6		*	*	*	*	*	.65																		.15
UNIONVILLE																		.04	.05	.03		.02	.01		.15
DELAWARE																									
WILMINGTON WB NEW CASTLE 6	*	.03																			*	*	*	*	
-4th-																									
MARYLAND																									
ABERDEEN PHILLIPS FIELD																									.12
ANNAPOLIS U S NAVAL ACADEMY																									.19
BALTIMORE WB AIRPORT 6	*	.16	*	*	*	*	.03		*	*	*	*	.19												.16
BETHESDA					.10	.06	.03																		.16
GLEN ECHO																									.16
SALISBURY MUNICIPAL AIRPORT 6								*	*	*	*	*	.10												.55
SINES DEEP CREEK																					.02	.23	.30		.55
DELAWARE																									
WILMINGTON WB NEW CASTLE 6	*	.16													*	*	*	*	*	.08					
-5th-																									
MARYLAND																									
ABERDEEN PHILLIPS FIELD		.01		.01	.01	.75	.17																		.95
ANNAPOLIS U S NAVAL ACADEMY		*	*	*	*	*	.45	*	*	*	*	*	.03												.48
BALTIMORE WB AIRPORT 6	*	*	*	*	*	*	.08	*	*	*	*	*	.04												.05
BALTIMORE WB CITY			.05																						.05
BELTSVILLE					.04	.01																			.05
BELTSVILLE PLT IND STA NO 5					.02																				.02
GRANTSVILLE	.08	.02			.10																				.07
SINES DEEP CREEK					.06	.01																			.05
UNIONVILLE						.05																			.05
DELAWARE																									
WILMINGTON WB NEW CASTLE 6								*	*	*	*	*	.80												
-7th-																									
MARYLAND																									
BETHESDA														.01	.02										.03
GLEN ECHO																									.03
MARYLAND																									
GRANTSVILLE																.12				.03					.15
-11th-																									
-12th-																									
MARYLAND																									
ABERDEEN PHILLIPS FIELD																	.27	.01							.28
ANNAPOLIS U S NAVAL ACADEMY																				*	*	*	*	*	*
BALTIMORE WB AIRPORT 6																									*
BALTIMORE WB CITY																									*
BELTSVILLE																		.03	.15	.02	*	*	*	*	*
BELTSVILLE PLT IND STA NO 5		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
BETHESDA																		.01	.49	.59	.01	.01			1.11
COCKEYSVILLE																		.02	.46	.94	.01				1.43
GLEN ECHO																		.02	.55	.43	.03	.01	.01		1.05
GRANTSVILLE														.18			.09	.01							.28
LUKE																		.36							.41
SALISBURY MUNICIPAL AIRPORT 6																			.87	*	*	*	*	*	.28
SINES DEEP CREEK													.03	*	*	*	*	.12							.15
UNIONVILLE																	.66	.03	.01				.04		.74
DELAWARE																									
WILMINGTON WB NEW CASTLE 6																					*	*	*	*	
-13th-																									
MARYLAND																									
ANNAPOLIS U S NAVAL ACADEMY	*	.09													*	*	*	*	*	.11					.20
BALTIMORE WB AIRPORT 6	*	.12													*	*	*	*	*	.03					.20
BALTIMORE WB CITY													.19	.01	*	*	*	*	*						.20

See reference notes following Station Index.
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HOURLY PRECIPITATION

MARYLAND AND DELAWARE
AUGUST 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		
BELTSVILLE	*	*	*	*	*	*	*	.55									.02		.03						.05	
BELTSVILLE PLT IND STA NO 5	*	*	*	*	*	*	*	.55										.02		.03						.55
BETHESDA																									.03	
GLEN ECHO																									.03	
SALISBURY MUNICIPAL AIRPORT 6	*	.76	*	*	*	*	*	.01																	.03	
DELAWARE																										
WILMINGTON WB NEW CASTLE 6	*	.06																							.05	
MARYLAND																										
-15th-																										
BALTIMORE WB AIRPORT 6																*	*	*	*	*					.01	
BALTIMORE WB CITY																	.01	*	*	*	*	*			.01	
BETHESDA																									.05	
GLEN ECHO																									.08	
GRANTSVILLE																									.07	
LUKE						.02	.05	.15	.10					.05	.01	.01									.72	
SALISBURY MUNICIPAL AIRPORT 6																									.04	
SINES DEEP CREEK				.02	.04	.01	.11	.14	.34	.19	.01	.01		.01	*	*	*	*	*						.87	
MARYLAND																										
-16th-																										
LUKE								.04	.02																.06	
MARYLAND																										
-17th-																										
ABERDEEN PHILLIPS FIELD								.03																	.01	
BALTIMORE WB AIRPORT 6								.03														*	*	*	.04	
BELTSVILLE								.03																	.01	
BETHESDA								.03																	.01	
GLEN ECHO								.03																	.02	
GRANTSVILLE								.03																	.02	
LUKE								.03																	.44	
SINES DEEP CREEK								.03						.01	.02	.07	.04								1.34	
UNIONVILLE								.03						.01	.02	.07	.04								.92	
MARYLAND																										
-18th-																										
ABERDEEN PHILLIPS FIELD		.01	.03	.10	.22	.08		.05																	.49	
ANNAPOLIS U S NAVAL ACADEMY	*	*	*	*	*	*	*	1.13	*	*	*	*	*	*	.73	*	*	*	*	*					1.89	
BALTIMORE WB AIRPORT 6	*	.01	*	*	*	*	*	.43	*	*	*	*	*	*	.12	*	*	*	*	*					.03	
BALTIMORE WB CITY	.04	.04	.10	.18	.20	.07	.17	.09				.03						.01						.93		
BELTSVILLE	.04	.20	.24	.23	.20	.07	.07	.44	.02															1.44		
BELTSVILLE PLT IND STA NO 5	.02	.07	.27	.11	.39	.14	.14	.18																1.42		
BETHESDA	.02	.06	.21	.01	.22	.27	.06	.25	.05	.08	.01	.01	.02	.02	.01	.04								1.30		
COCKEYSVILLE	.01	.01	.03	.10	.15	.15	.20	.05	.05	.03	.01	.05	.03	.01										.79		
GLEN ECHO	.01	.06	.19	.01	.20	.29	.08	.32	.05	.03	.01	.02	.01	.01	.01	.02								1.32		
GRANTSVILLE	.10	.37	.10	.14	.05	.11	.09																	.96		
LUKE	.34	.23	.10	.03	.02		.09		.03	.02	.02	.01	.01											.90		
SALISBURY MUNICIPAL AIRPORT 6	.03	.07	.01	.03	.01	.01	.03	.03	*	*	*	*	.54	*	*	*	*	*	*					.01		
SINES DEEP CREEK	.04	.17	.24	.17	.14	.21	.04	.02	.02	.01														.16		
UNIONVILLE	.04	.17	.24	.17	.14	.21	.04	.02	.02	.01														1.06		
DELAWARE																										
WILMINGTON WB NEW CASTLE 6	*	*	*	*	*	*	.10	*	*	*	*	*	*	.06	*	*	*	*	*					.09		
MARYLAND																										
-19th-																										
GRANTSVILLE							.01		.01	.01	.01													.04		
MARYLAND																										
-20th-																										
BELTSVILLE																								.04		
MARYLAND																										
-23d-																										
ABERDEEN PHILLIPS FIELD									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BALTIMORE WB AIRPORT 6									*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BALTIMORE WB CITY									*	*	*	*	*	.01	.01							*	*	*	.01	
BELTSVILLE									.01	.04														.05		
BELTSVILLE PLT IND STA NO 5									.01	.04						.03								.03		
LUKE																								.10		
SALISBURY MUNICIPAL AIRPORT 6																								.10		
MARYLAND																										
-24th-																										
ABERDEEN PHILLIPS FIELD	*	.01							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BALTIMORE WB AIRPORT 6	*	.01							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
BALTIMORE WB CITY	*	.01							*	*	*	*	*	.32											*	
SALISBURY MUNICIPAL AIRPORT 6													.22				*	*	*	*	*	*	*	*	.22	
MARYLAND																										
-28th-																										
ABERDEEN PHILLIPS FIELD																								*	*	
ANNAPOLIS U S NAVAL ACADEMY																								*	*	
BALTIMORE WB AIRPORT 6																								*	*	
BALTIMORE WB CITY																								*	*	
BELTSVILLE																								*	*	
BELTSVILLE PLT IND STA NO 5																								*	*	
BETHESDA																								*	*	
COCKEYSVILLE																								*	*	
GLEN ECHO																								*	*	
GRANTSVILLE																								*	*	
LUKE																								*	*	
SALISBURY MUNICIPAL AIRPORT 6																								*	*	
SINES DEEP CREEK																								*	*	
UNIONVILLE																								*	*	

HOURLY PRECIPITATION

MARYLAND AND DELAWARE

AUGUST 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 WB NEW CASTLE 6													-29th-												
MARYLAND																									
ABERDEEN PHILLIPS FIELD	*	.87																							.87
ANNAPOLIS U S NAVAL ACADEMY	*	1.01	*	*	*	*	*	.01												*	*	*	*		1.02
BALTIMORE WB AIRPORT 6	*	.48	*	*	*	*	*	.06																	.11
BALTIMORE WB CITY	.09	.02																							.12
BELTSVILLE			.02	.01	.01	.02	.01				.04	.01													1.75
BELTSVILLE PLT IND STA NO 5	*	*	*	*	*	*	*	1.75																	.12
BETHESDA		.03	.03	.02	.02	.02	*																		.25
COCKEYSVILLE	.16	.04	.03	.02	.02	.01																			.09
GLEN ECHO	.01	.03	.02																						.60
GRANTSVILLE	.10	.20	.10	.10	.02	.01				.02	.05	.01	.02												.53
LUKE	.23	.05	.17								.07	.01													.42
SALISBURY MUNICIPAL AIRPORT 6	*	1.40	*	*	*	*	*	.10																	.13
SINES DEEP CREEK	.16	.06	.01	.03	.01	.05	.05		.01	.03	.01														
UNIONVILLE	.01	.06	.02	.01	.03																				
DELAWARE																									
WILMINGTON WB NEW CASTLE 6	*	.61	*	*	*	*	*	.28																	
DELAWARE																									
WILMINGTON WB NEW CASTLE 6													-30th-												
MARYLAND																									
ABERDEEN PHILLIPS FIELD																				*	*	*	*		.20
ANNAPOLIS U S NAVAL ACADEMY																				*	*	*	*		.04
GRANTSVILLE																				*	*	*	*		.19
SALISBURY MUNICIPAL AIRPORT 6			*	*	*	*	*	.05	*	*	*	*	*	.20	*	*	*	*	1.80	*	*	*	*		.20
SINES DEEP CREEK																						.09	.10	.01	.03
UNIONVILLE																	.01	.02							
DELAWARE																									
WILMINGTON WB NEW CASTLE 6	*	.89							*	*	*	*	*	.15	*	*	*	*	*	.01					

DAILY TEMPERATURES

MARYLAND AND DELAWARE

AUGUST 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 PHILLIPS FIELD	MAX	85	86	86	85	84	87	88	91	93	95	97	93	86	80	80	85	84	71	78	75	80	82	78	87	83	83	90	88	84	85	82
	MIN	64	70	70	72	69	66	61	68	70	68	72	71	69	68	64	64	68	64	55	51	52	54	60	68	60	55	69	72	68	64	65
ANNAPOLIS U S NAVAL ACAD	MAX	83	86	84	81	82	86	86	89	92	92	93	89	82	78	77	84	81	74	80	73	77	79	78	84	81	79	86	82	84	82	80
	MIN	71	71	74	75	72	71	72	72	74	76	76	74	72	72	70	71	72	66	64	59	62	64	68	72	69	70	73	72	68	70	70
BALTIMORE WB AIRPORT	MAX	86	88	89	87	86	87	90	94	96	99	99	94	87	82	79	86	84	75	79	74	80	83	78	86	82	83	90	89	85	86	83
	MIN	67	72	75	75	73	72	70	73	75	76	79	69	73	73	67	66	70	64	63	57	58	60	67	72	67	67	70	73	72	68	67
BALTIMORE WB CITY	MAX	85	86	88	89	86	88	90	93	95	98	98	93	85	79	78	84	82	74	80	75	80	82	79	85	82	85	92	89	85	85	82
	MIN	69	74	76	75	75	72	71	74	76	78	81	71	73	72	69	69	70	66	64	58	60	62	70	73	69	68	70	74	72	69	71
BALTIMORE HAMILTON	MAX	84	85	88	87	85	88	89	92	94	96	97	93	85	84	77	84	82	76	80	76	80	81	79	87	85	83	92	88	84	84	81
	MIN	64	70	71	71	63	64	67	70	70	72	72	68	68	71	66	64	61	61	58	52	50	52	59	65	64	61	67	70	69	63	63
BATTERY PARK	MAX	85	90	89	86	86	86	89	90	93	95	95	94	88	83	79	85	81	75	82	74	79	83	82	87	82	87	92	87	83	85	80
	MIN	61	68	70	71	71	62	66	64	67	69	70	69	68	71	67	62	62	62	59	51	51	54	61	68	62	63	68	69	63	59	63
BELTSVILLE	MAX	82	83	87	89	87	85	86	88	90	92	96	97	94	87	82	78	86	83	73	80	72	78	80	88	81	85	92	87	83	84	85
	MIN	63	68	69	71	71	60	66	61	66	68	70	68	69	71	65	63	62	62	59	52	50	51	60	68	64	60	66	70	69	58	60
BELTSVILLE PLT IND STA 1	MAX	83	84	87	89	87	85	87	88	89	92	96	96	94	86	81	76	86	82	73	81	74	78	81	80	88	82	86	92	87	83	85
	MIN	64	70	71	71	63	64	67	61	65	67	72	68	68	71	66	64	61	61	58	52	50	52	59	65	64	59	66	67	67	59	60
BELTSVILLE PLT IND STA 2	MAX	83	84	88	89	87	87	87	89	90	92	96	96	93	87	81	76	86	82	73	81	74	78	82	80	88	82	85	92	87	84	85
	MIN	63	66	68	70	70	59	65	60	64	66	70	67	68	71	65	64	59	62	57	50	48	51	59	67	64	59	65	65	68	58	59
BELTSVILLE PLT IND STA 3	MAX	84	83	87	89	87	86	88	89	90	92	96	97	94	87	80	75	85	82	72	81	73	78	81	80	87	82	86	92	87	84	85
	MIN	65	68	69	71	72	63	67	63	66	68	73	69	68	71	66	65	65	62	60	54	51	54	61	67	65	61	67	69	68	60	61
BELTSVILLE PLT IND STA 4	MAX	85	85	89	90	86	86	88	90	90	92	96	97	94	87	82	76	87	84	73	82	74	79	82	81	89	83	87	92	87	83	86
	MIN	64	68	70	71	71	65	67	65	69	72	74	70	68	71	66	65	65	62	60	54	51	54	61	67	65	61	67	69	68	62	62
BELTSVILLE PLT IND STA 5	MAX	86	84	88	89	89	87	88	89	92	93	95	96	94	87	82	75	84	82	74	81	75	78	81	80	88	82	86	92	88	84	86
	MIN	61	66	68	70	70	59	65	60	64	65	68	67	68	71	65	61	59	63	57	50	49	50	59	67	63	58	65	66	65	58	60
BELTSVILLE PLT IND STA 6	MAX	85	84	88	89	86	85	87	89	90	92	95	97	94	87	82	77	85	82	73	81	73	78	81	80	87	81	87	91	88	84	85
	MIN	64	68	67	70	70	62	66	65	64	69	73	68	68	72	73	64	63	65	56	51	49	53	58	65	63	57	65	67	68	58	58
BENSON POLICE BARRACKS	MAX	90	84	86	85	85	87	88	89	92	93	95	91	86	84	78	83	81	81	77	76	78	83	78	86	84	90	85	83	84	80	84
	MIN	57	65	66	67	66	61	58	63	66	65	70	65	65	66	59	57	59	59	57	45	47	50	55	64	58	53	63	64	66	60	58
BENTLEY SPRINGS	MAX	82	84	86	87	84	86	87	89	92	93	94	89	83	81	76	83	81	75	77	73	78	81	77	87	82	84	91	87	82	83	78
	MIN	59	63	68	70	69	57	57	60	66	65	68	66	66	68	63	57	61	58	44	47	49	57	66	59	54	64	67	67	59	59	61
BLACKWATER	MAX	82	86	85	85	84	84	85	84	90	92	96	93	81	80	81	81	79	74	80	81	82	82	81	81	80	86	86	83	85	85	83
	MIN	68	70	72	76	71	67	68	67	67	69	70	74	71	73	69	64	60	57	53	54	62	72	70	60	56	58	70	73	72	62	67
BRIGHTON DAM	MAX	85	87	87	80	81	82	85	89	91	94	95	95	97	85	80	84	83	79	79	77	78	81	87	87	86	92	88	83	85	84	85
	MIN	60	63	66	71	68	60	70	59	64	65	65	70	66	62	65	59	60	61	56	49	50	47	52	64	67	65	70	64	56	59	61
BRIGHTWOOD DC	MAX	84	83	88	90	87	87	87	88	91	93	95	96	94	88	80	74	84	81	73	79	73	78	81	81	87	80	85	92	88	85	86
	MIN	68	68	71	74	73	67	71	69	70	75	76	74	72	74	68	67	67	64	64	57	58	59	61	67	68	68	70	74	70	65	66
BROOKSIDE MANOR	MAX	86	89	91	88	85	87	90	91	93	95	97	95	90	81	76	85	83	78	81	75	79	81	82	88	84	89	84	84	84	83	86
	MIN	64	68	70	72	73	62	67	63	67	69	69	70	70	72	66	64	63	63	60	54	52	53	62	69	62	69	71	69	61	62	65
CAMBRIDGE	MAX	86	90	91	89	84	89	90	92	94	98	98	98	89	85	78	89	89	77	80	74	81	83	86	88	86	93	90	87	88	83	87
	MIN	68	69	70	73	72	65	67	64	70	78	73	74	70	69	66	65	69	67	63	64	56	52	62	70	70	59	66	74	71	63	65
CHARLOTTE HALL	MAX	83	86	86	84	85	86	88	89	91	95	95	95	86	85	78	84	82	76	79	74	77	80	82	89	82	83	88	85	83	85	82
	MIN	65	70	71	71	70	65	70	67	70	71	75	72	70	72	70	67	69	65	61	58	58	55	64	65	66	63	68	71	71	65	65
CHELTENHAM	MAX	82	84	87	89	85	84	86	88	90	94	96	97	96	89	82	74	83	82	74	70	74	79	80	87	86	81	84	91	87	84	85
	MIN	65	70	71	74	71	63	68	65	68	70	71	70	69	71	67	65	64	65	61	55	54	59	60	67	65	62	60	62	71	62	62
CHESTERTOWN	MAX	87	90	90	84	84	90	92	94	94	95	98	93	88	82	77	88	86	73	81	75	78	83	82	88	84	86	92	89	87	88	85
	MIN	65	71	72	74	70	64	66	68	72	73	73	72	71	69	64	63	65	63	61	55	54	55	61	70	64	61	68	73	70	64	66
CHEWVILLE BRIDGEPORT	MAX	82	88	87	88	84	85	88	90	92	96	95	87	87	80	77	84	80	75	78	74	78	80	77	88	83	89	92	86	81	83	74
	MIN	58	61	66	69	68	58	63	61	67	68	68	67	66	70	66	59	66	60	58	49	49	51	58	66	60	58	65	66	65	59	61
CLEAR SPRING	MAX	88	91	87	91	86	85	88	90	92	100	96	86	87	79	75	82	80	75	78	74	79	80	78	89	83	89	91	88	80	83	74
	MIN	56	60	65	69	67	56	64	61	68	62	68	67	67	69	68	60	64	59	62	51	51										

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	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		
FORT GEORGE G MEADE	MAX MIN	86 62	88 68	90 69	88 71	88 70	88 60	90 66	91 61	94 64	98 67	97 66	85 67	81 67	76 62	84 60	82 61	78 60	79 54	77 47	78 48	80 49	80 57	88 66	88 61	81 57	90 64	85 64	82 62	84 56	83 58	85 58	86.6 61.6
FREDERICK POLICE BARRACKS	MAX MIN	82 59	88 63	88 67	88 67	88 70	87 61	89 60	94 60	93 64	95 64	93 66	91 66	87 69	80 66	86 60	85 60	77 59	89 48	77 48	79 49	82 58	81 61	88 61	87 61	88 59	92 66	90 66	83 64	83 59	83 58	86.7 62.0	
FREDERICK WB AIRPORT	MAX MIN	84 63	86 66	89 70	88 72	89 73	86 63	88 66	90 66	90 71	94 74	95 73	96 70	91 70	87 69	81 66	86 60	87 60	82 59	82 57	75 60	78 51	78 52	82 55	82 62	86 69	88 63	88 64	92 70	93 68	86 62	84 58	86.6 65.6
FROSTBURG	MAX MIN	76 52	80 56	82 64	82 65	82 64	78 58	84 58	86 58	90 65	90 68	89 67	85 65	82 64	72 65	70 53	69 62	69 61	77 59	75 58	71 44	73 44	68 47	77 56	83 59	77 56	85 58	86 63	80 62	74 60	78 56	71 52	79.0 58.7
GERMANTOWN	MAX MIN	83 62	87 63	85 67	87 70	86 63	86 63	88 66	88 66	88 61	92 65	94 67	99 68	97 67	94 69	85 68	81 68	82 71	78 71	81 68	79 71	79 51	79 52	81 56	78 60	87 63	84 65	87 65	82 62	82 60	82 64	82 62	84.6 64.4
GLENN DALE BELL STATION	MAX MIN	85 62	88 68	90 69	88 70	87 69	89 58	90 66	92 61	94 65	98 67	99 68	97 67	94 69	85 68	81 64	87 62	86 61	80 63	83 57	78 49	80 50	83 59	82 52	89 60	87 63	86 60	93 66	89 65	84 69	86 69	86 60	87.6 62.9
GRASONVILLE	MAX MIN	85 67	88 71	88 71	88 73	85 69	84 65	87 66	91 66	91 71	92 71	96 81	97 68	94 71	87 72	86 63	84 64	73 65	80 62	77 65	80 59	83 57	84 52	87 60	83 63	87 67	83 62	86 62	85 60	87 64	83 63	85.6 65.9	
GREAT FALLS	MAX MIN	85 61	86 62	90 67	85 70	87 63	85 63	89 61	94 68	95 67	96 70	95 69	87 68	84 68	83 62	82 62	78 63	80 62	83 62	74 52	81 55	79 60	82 69	82 69	83 63	87 69	83 66	80 66	87 63	85 63	81 51	85.9 63.3	
GREENBELT	MAX MIN	83 61	85 67	89 69	90 71	87 61	86 65	88 63	89 68	91 71	94 68	98 70	98 68	96 70	88 66	83 61	76 61	86 68	82 71	73 60	82 50	77 49	81 52	82 60	80 57	89 61	83 60	86 65	93 68	88 66	85 59	86.3 63.4	
GROSVENOR LANE	MAX MIN	82 60	86 66	88 69	85 70	84 61	88 65	89 62	89 67	94 69	95 70	93 68	86 68	83 70	77 66	83 61	80 68	78 60	81 50	76 49	80 50	76 49	77 52	80 60	85 63	85 67	85 62	89 61	88 68	86 66	87 59	84.4 63.2	
HAGERSTOWN	MAX MIN	82 61	82 61	86 62	89 69	87 62	86 62	89 66	91 66	94 66	96 72	95 67	86 67	87 67	85 75	83 68	85 65	76 66	78 58	75 48	78 58	77 54	78 59	85 63	88 63	85 64	89 68	82 64	87 64	86 68	83 62	84.6 63.5	
HANCOCK FRUIT LABORATORY	MAX MIN	83 55	82 57	87 64	87 67	89 69	87 57	84 62	89 66	91 65	94 66	96 66	95 66	88 66	80 69	74 69	83 57	78 53	79 58	79 48	75 47	78 55	74 61	80 59	87 65	81 58	90 65	92 65	87 66	87 66	83 61	84.4 60.8	
HUNTINGTOWN	MAX MIN	84 66	86 70	86 71	85 73	83 64	87 69	87 64	91 69	95 71	97 73	97 69	96 67	87 67	81 71	77 65	82 66	73 66	79 61	74 56	76 54	79 53	80 63	85 63	80 68	84 65	89 69	85 71	85 62	82 64	84.5 66.8		
KEDYSVILLE	MAX MIN	85 57	89 62	89 67	89 69	87 59	90 63	92 60	96 65	99 67	99 67	94 67	89 67	82 66	76 69	86 63	83 63	79 61	83 62	78 48	81 49	81 52	76 59	84 67	83 58	96 65	89 66	89 66	83 66	86 61	86.9 62.6		
LA PLATA	MAX MIN	84 67	86 66	86 67	90 73	87 70	88 64	89 68	92 64	97 69	100 71	100 71	98 71	88 70	83 72	80 66	85 64	83 64	81 60	80 56	81 55	82 56	82 68	87 68	87 68	87 62	93 69	87 69	83 61	89 63	83 63	87.1 66.0	
LAUREL	MAX MIN	83 64	86 69	87 70	87 68	86 68	88 68	88 73	91 73	95 76	95 76	88 72	84 68	78 66	84 65	88 66	78 63	79 66	77 54	78 54	80 55	80 55	87 55	86 55	85 64	91 69	80 68	84 68	84 68	83 64	84 64	85.7 65.4	
LEONARDTOWN	MAX MIN	85 65	88 69	88 72	87 64	86 69	89 64	90 67	91 66	94 70	95 72	95 70	88 67	86 69	84 67	84 68	80 64	51 69	79 59	77 55	81 63	84 59	87 68	87 64	82 60	90 60	88 61	87 69	81 65	85.3 66.6			
MILLINGTON	MAX MIN	86 65	89 71	90 72	84 73	82 69	89 65	92 63	93 66	95 70	96 71	97 72	95 72	80 71	87 64	84 62	77 65	80 61	75 51	82 52	82 53		88 57	85 64	85 66		92 65	86 71	88 63	81 66	86.5 65.3		
NATIONAL ARBORETUM DC	MAX MIN	87 65	89 69	92 72	88 70	90 63	90 63	92 65	95 69	98 72	98 69	98 69	84 63	81 65	87 64	86 62	81 61	82 53	79 54	81 52	83 62	82 62	89 65	89 67	89 63	93 60	93 61	85 69	87 63	88 65	88.5 65.6		
NEW GERMANY	MAX MIN	79 61	83 65	82 67	81 69	82 64	80 63	81 66	85 66	87 68	87 68	87 68	85 68	81 68	79 66	76 65	77 64	75 63	73 51	68 52	74 59	71 63	79 66	81 68	80 66	86 63	86 63	83 66	78 61	77 65	79.8 65.3		
OAKLAND	MAX MIN	74 48	80 53	81 63	83 65	79 68	80 55	82 53	84 51	87 62	86 61	87 60	85 62	80 63	75 62	70 64	74 62	69 58	75 53	74 43	70 40	70 44	67 44	80 57	81 57	82 58	85 55	85 53	79 56	72 46	77 46	74 46	78.3 56.4
OCEAN CITY	MAX MIN	86 75	86 74	86 75	83 74	85 72	80 72	92 72	90 72	88 75	90 74	97 76	97 76	87 71	88 71	88 72	87 72	85 71	78 64	82 62	84 64	85 62	85 69	85 72	88 65	83 65	88 71	88 70	80 74	83 70	84 74	85.8 71.0	
OWINGS FERRY LANDING	MAX MIN	85 65	86 65	88 71	83 73	84 70	88 65	87 69	92 67	94 70	97 72	98 69	96 68	90 66	81 66	77 66	83 66	82 64	75 61	81 54	74 54	77 53	79 62	79 69	88 64	80 64	83 68	89 70	85 70	84 63	83 63	84.9 66.3	
OXFORD	MAX MIN	82 68	86 71	85 73	88 76	80 71	84 71	88 71	87 72	90 75	93 76	93 77	86 76	83 71	86 72	85 67	82 67	77 67	76 63	79 66	79 58	79 59	83 63	83 63	83 66	81 70	81 74	83 69	81 68	83 69	83.4 69.1		
PICARDY	MAX MIN	80 58	85 64	84 68	84 68	79 67	86 63	90 60	92 68	93 68	95 68	86 68	85 68	80 68	73 68	81 68	73 65	78 62	77 48	75 47	71 49	81 55	85 62	82 59	87 59	82 59	92 66	84 66	76 58	77 59	82.7 62.2		
PIKESVILLE POLICE BRKS	MAX MIN	86 64	85 69	83 71	89 70	82 64	84 63	86 66	91 66	93 70	94 73	98 73	97 68	86 68	78 65	75 62	82 63	79 60	79 60	80 51	80 52	80 52	79 62	88 62	80 63	83 68	90 68	89 69	89 67	83 62	80 63	84.7 65.0	
POCOMOKE CITY	MAX MIN	87 76	88 77	89 74	85 72	88 69	85 65	88 62	90 65	91 68	92 69	95 76	94 69	86 70	86 69	84 68	85 68	82 71	80 72	81 57	84 55	86 56	84 63	86 68	84 66	85 63	90 69	96 69	88 63	82 65	87.5 66.9		
PRESTON	MAX MIN	86 67	89 70	90 72	86 75	90 65	92 63	93 65	95 70	95 71	99 72	98 67	98 67	87 64	85 64	83 62	80 60	78 54	78 53	78 53	80 59	84 62	86 62	82 56	84 64	82 64	89 72	86 67	88 64	84 67	86.9 65.2		
PRETTYBOY DAM	MAX MIN	83 62	86 66	88 69	86 70	82 62	83 62	87 66	88 66	90 72	92 74	93 69	89 62	82 68	76 64	84 62	80 63	77 60	79 60	73 50	80 53	82 55	82 60	76 62	87 60	83 66	85 66	92 69	87 67	81 62	83 62	83.8 64.0	
PRINCESS ANNE	MAX MIN	85 68	87 70	87 72	87 74	86 71	88 69	88 63	90 64	91 67	92 68	96 70	96 70	84 71	80 66	85 66	83 65	82 65	80 56	81 51	84 53	86 61	86 61	87 65	83 61	84 65	88 71	85 67	83 61	82 65	86.7 65.5		
RANDALLSTOWN POLICE BRKS	MAX MIN	83 60	84 65	81 67	86 68	84 61	88 61	88 62	87 67	90 68	92 72	91 67	87 68	85 64	76 61	81 59	81 59	77 57	77 46	76 42	77 46	75 58	85 67	85 67	87 59	84 65	90 65	80 61	82 59	76 59	83.1 61.1		
RIDGELY	MAX MIN	88 66	91 70	92 71	89 69	85 69	90 69	90 68	93 71	94 71	95 78	97 78	95 70	87 64	80 68	87 65	84 63	79 61	80 56	77 52	82 53	82 62	84 62	88 74	86 65	86 65	92 75	90 65	85 63	89 67	85 67	87.5 67.0	

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		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	
SINES DEEP CREEK	MAX	76	83	82	80	78	80	80	76	83	86	86	83	80	73	69	78	71	74	71	68	72	69	78	80	82	85	86	80	72	77	74	
	MIN	48	53	52	63	56	56	53	48	53	60	60	60	63	63	64	62	59	55	49	44	46	43	51	54	51	55	57	59	51	47		
SNOW HILL	MAX	84	88	89	89	83	89	87	90	92	95	98	96	84	85	80	85	83	77	85	80	80	82	84	87	90	84	82	88	85	88	83	
	MIN	70	71	73	72	70	66	63	66	69	71	72	72	70	70	66	66	60	67	62	58	53	54	62	70	63	52	64	68	70	64	66	
SOLOMONS	MAX	85	88	88	86	85	88	88	91	93	96	95	94	89	86	79	84	84	79	81	72	79	77	82	85	84	83	88	86	86	86	81	
	MIN	71	72	75	76	73	72	72	73	74	76	78	78	71	75	73	71	73	68	66	63	64	64	70	72	70	68	71	74	73	69	71	
TAKOMA PARK MISS AVE	MAX	83	88	88	86		86	88	89	91	94	95	93	89	81	77	85	82	73	80	74	80	82	81	85	81	85	91	89	83	85	80	
	MIN	64	68	70	71		63	67	65	69	71	73	70	69	71	66	65	63	63	62	54	53	54	62	69	65	62	70	70	68	62	63	
TONOLOWAY	MAX	87	87	87	89	88	85	89	91	95	96	94	86		81	77	83	78	80	80	76	79	77	81	87	82	90	92	87	80	84	76	
	MIN	63	68	70	70	70	59	60	62	66	66	70	68	67	69	64	61	65	61	58	48	49	51	58	69	61	59	67	69	69	60	60	
TOWSON	MAX	84	85	88	86	85	88	89	91	94	95	97	94	86	83	77	85	80	78	79	76	79	82	79	88	85	85	92	87	83	82	83	
	MIN	63	68	70	70	70	59	60	62	66	66	70	68	67	69	64	61	65	61	58	48	49	51	58	69	61	59	67	69	69	60	60	
UNIONVILLE	MAX	74	87	88	89	75	86	86	86	84	95	86	86	86	82	71	87	75	72	72	76	81	84	77	88	85	89	92	82	77	85	77	
	MIN	60	64	67	69	65	57	71	59	65	64	66	66	67	70	64	59	59	62	57	46	48	51	59	67	58	58	62	66	67	58	59	
U S SOLDIERS HOME DC	MAX	85	84	88	89	88	87	88	88	90	93	96	96	96	89	82	74	86	82	74	79	73	80	81	81	88	83	86	92	87	85	85	
	MIN	64	68	71	71	72	66	68	70	71	74	75	72	69	71	65	64	64	62	62	55	56	57	62	66	65	64	69	71	68	63	64	
VIENNA	MAX	87	88	88	90	86	88	85	91	92	96	98	96	87	83	77	85	84	75	81	73	80	84	84	87	87	87	89	86	85	89	84	
	MIN	69	71	71	75	72	68	67	68	72	74	74	72	69	72	66	65	66	65	61	56	54	55	55	72	65	57	68	74	72	65	70	
WALDORF POLICE BARRACKS	MAX	85	83	84	80	85	90	82	93	95	99	99	97	90	84	77	85	83	81	82	80	78	88	81	85	88	86	92	88	82	83	80	
	MIN	62	62	62	70	67	60	66	60	64	66	67	68	65	69	65	65	60	50	56	53	50	50	58	65	62	57	65	67	67	57	58	
WASHINGTON WB CITY DC	MAX	88	91	89	87	86	88	92	92	94	96	96	95	88	83	76	87	84	76	82	74	82	85	82	90	86	86	92	88	85	89	82	
	MIN	69	73	74	74	72	69	72	70	72	75	76	72	72	74	70	69	70	65	65	58	57	60	67	72	69	69	73	73	70	66	68	
WATERLOO POLICE BARRACKS	MAX	84	87	90	88	89	88	91	92	95	97	97	98	93	84	80	84	84	80	81	80	80	80	78	89	88	85	93	83	85	86	85	
	MIN	64	67	69	70	71	66	66	65	67	70	73	70	67	72	65	61	62	62	61	52	50	53	60	68	65	59	68	69	68	62	62	
WEST LANHAM HILLS	MAX	86	88	91	88	87	91	90	93	96	99	99	98	91	83	75	86	83	75	83	75	81	83	81	90	83	86	94	89	87	86	83	
	MIN	63	69	71	72	71	62	67	63	67	70	70	69	69	71	66	63	64	63	59	52	52	53	61	70	63	62	67	69	68	60	62	
WESTERN PORT	MAX	85	88	86	89	81	85	90	94	96	97	93	91	79	88	75	80	70	81	82	80	83	70	84	90	85	92	95	83	81	86	80	
	MIN	65	57	68	67	66	59	60	58	67	67	67	67	69	66	67	66	61	62	59	48	47	50	59	62	58	68	62	63	63	61	58	
WESTMINSTER	MAX	85	84	88	88	85	85	88	90	92	95	96	91	84	80	76	82	78	74	76	72	78	81	76	86	82	87	92	87	82	84	79	
	MIN	60	66	69	70	70	60	60	63	68	69	70	67	67	68	65	62	63	60	57	47	50	52	61	70	60	66	69	68	65	60	60	
WHALEYSVILLE	MAX	84	90	90	91	87	91	90	94	96	97	101	98	85	83	78	85	85	80	82	86	80	82	85	85	81	85	92	90	86	89	84	
	MIN	68	69	71	71	70	64	59	62	68	68	70	70	68	68	61	62	67	63	59	63	50	50	58	69	62	62	60	68	69	60	64	
WHITEHALL	MAX	76	78	80	80	77	78	80	82	83	84	86	86	80	72	72	72	74	65	77	66	70	78	72	80	73	76	83	81	77	78	74	
	MIN	57	62	65	69	70	57	56	58	62	62	64	65	66	63	58	55	57	60	54	45	45	48	56	62	55	53	63	65	62	57	58	
WOODSTOCK COLLEGE	MAX	84	86	89	87	87	87	90	90	93	96	97	94	89	81	78	84	84	80	80	76	80	82	79	90	87	88	94	90	83	86	89	
	MIN	61	65	68	71	71	61	63	62	67	67	70	68							48	49	52	59	69	60	58	66	67	69	59	60	62	
DELAWARE																																	
BRIDGEVILLE	MAX	84	91	88	86	83	88	88	91	91	95	97	96	86	83	77	83	81	71	80	75	77	80	85	84	80	82	87	88	83	87	82	
	MIN	68	71	71	74	70	66	65	65	69	69	69	72	70	71	64	63	64	64	61	54	52	53	58	69	62	52	64	69	71	62	66	
DELAWARE CITY REEDY POINT	MAX	86	87	88	89	81	88	88	91	94	96	98	97	90	86	80	82	80	79	79	78	81	81	80	86	82	83	92	90	87	85	85	
	MIN	66	68	67	70	67	65	64	66	71	70	71	70	69	75	75	65	66	62	59	49	51	53	74	70	77	67	65	68	69	63	62	
DOVER	MAX	85	88	90	88	83	87	90	92	94	97	98	98	87	80	81			84	81	80	79	80	81	84	86	80	92	89	84	87	86	
	MIN	68	72	72	72	68	66	64	68	72	74	74	72	71	67	65			64	64	62	55	54	53	58	56	65	68	70	69	68	63	
GEORGETOWN	MAX	86	91	89	89	83	89	90	92	95	98	99	98	88	81	78	85	82	75	80	75	78	82	85	80	86	90	89	84	89	84		
	MIN	68	70	70	72	70	64	62	63	69	75	68	72	68	70	62	62	65	62	60	53	51	50	58	70	62	51	63	70	70	60	67	
LEWES	MAX	81	86	90	80	82	88	88	92	92	96	95	92	87	79	78	83	82	74	80	72	76	79	82	83	77	83	90	88	85	84	84	
	MIN	70	70	71	72	71	66	62	66	71	72	70	70	69	71	68	68	70	66	61	60	52	54	59	70	68	53	65	71	71	62	68	
MILFORD	MAX	86	90	90	91	83	90	92	95	96	100	101	98	90	80	79	84	80	75	82	78	78	79	81	84	83	87	93	91	85	87	84	
	MIN	69	72	72	74	70	68	69	68	72	73	74	73	72	72	62	65	62	65	61	55	55	53	59	70	65	54	67	71	72	64	69	
NEWARK COLLEGE FARM	MAX	87	88	89	84	82	86	89	91	93	94	95	90	87	82	82	84	84	78	78	75	82	85	78	90	84	84	92	90	84	86	82	
	MIN	63	65	70	72	68	63	61	64	68	67	71	69	69	60	58	62																

STATION INDEX

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 H 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	5320	SUSSEX	COASTAL	38 46	75 08	10	EST	6P	6P	5	5	E E LYNCH	2 3 5		
MILFORD	5915	SUSSEX	COASTAL	38 55	75 25	20	EST	6P	6P	54	54	L G 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	MID	18	18	CLOSED 8/49	3		
NEWARK COLLEGE FARM	6410	NEW CASTLE	COASTAL	39 39	75 46	110	EST	6P	6P	37	37	FRED COLLINS	2 3 5		
SEMYRNA	8510	KENT	COASTAL	39 15	75 36	45	EST	6P	6P	2	2	C M EWING	2 3 5		
WILMINGTON WB NEW CASTLE	8595	NEW CASTLE	COASTAL	39 40	75 36	73	EST	MID	MID	2	2	U S WEATHER BUREAU	2 3 4 5		
WILMINGTON CITY HALL	8600	NEW CASTLE	COASTAL	39 45	75 33	99	EST	6P	6P	56	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 3 5		
DALECARLIA RESERVOIR	2325		POTOMAC	38 56	77 07	146	EST	3P	3P	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 PHILLIPS FIELD	0015	HARFORD	CHESAPEAKE	39 28	76 10	62	EST	MID	MID	31	31	U S AIR FORCE	2 3 5		
ANNAPOLIS U S NAVAL ACADEMY	0185	ANNE ARUNDEL	CHESAPEAKE	38 59	76 29	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 22	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	9A	9A	12	12	J B SHERPHERD	2 3 4 5 6		
BELTSVILLE PLT IND STA NO 1	0701	PRINCE GEORGES	POTOMAC	39 02	76 56	160	EST	9A	9A			H P SEVY	2 3 5		
BELTSVILLE PLT IND STA NO 2	0702	PRINCE GEORGES	POTOMAC	39 02	76 56	136	EST	9A	9A			H P SEVY	2 3 5		
BELTSVILLE PLT IND STA NO 3	0703	PRINCE GEORGES	POTOMAC	39 02	76 56	200	EST	9A	9A			H P SEVY	2 3 5		
BELTSVILLE PLT IND STA NO 4	0704	PRINCE GEORGES	POTOMAC	39 02	76 56	265	EST	9A	9A			H P SEVY	2 3 5		
BELTSVILLE PLT IND STA NO 5	0705	PRINCE GEORGES	POTOMAC	39 01	76 57	100	EST	9A	9A			H P SEVY	2 3 4 5		
BELTSVILLE PLT IND STA NO 6	0706	PRINCE GEORGES	POTOMAC	39 01	76 57	215	EST	9A	9A			H P SEVY	2 3 5		
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	MID	5	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	5P	4	4	FRED S GILPIN	2 3 5		
BROOKDALE	1170	MONTGOMERY	POTOMAC	38 57	77 06	260	EST	7P	7P	4	4	B FRANCIS DASHIELL	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	8A	4	4	J M JESTER	3		
CAMBRIDGE	1385	DORCHESTER	CHESAPEAKE	38 34	76 09	15	EST	6P	6P	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		
CHELTENHAM	1710	PRINCE GEORGES	PATUXENT	38 44	76 51	230	EST	7A	7A	49	49	W B 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		
CHEWSVILLE BRIDGEPORT	1790	WASHINGTON	POTOMAC	39 38	77 41	560	EST	SS	SS	52	52	D PAUL OSWALD	2 3 5		
CLEAR SPRING	1890	WASHINGTON	POTOMAC	39 40	77 54	560	EST	6P	6P	50	50	MRS L A CORILL	2 3 5		
COCKEYSVILLE	1960	BALTIMORE	CHESAPEAKE	39 27	76 39	390	EST	MID	MID			D M PARKS	3 4		
COLEMAN	1980	KENT	CHESAPEAKE	39 21	76 07	30	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 ELEC 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	C C ADAMS SR	2 3 5		
CUMBERLAND	2280	ALLEGANY	POTOMAC	39 39	78 45	623	EST	6P	6P	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		
DUNDALK	2660	BALTIMORE	CHESAPEAKE	39 16	76 31	28	EST	6P	6P			FRANK YOST	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		
EDGEWONT	2770	WASHINGTON	POTOMAC	39 40	77 33	920	EST	8A	8A			LEE G HARNE	2 3 5		
ELTON	2860	Cecil	CHESAPEAKE	39 36	75 50	28	EST	3P	3P	23	23	B 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 31	76 25	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	MID	6	6	U S ARMY	2 3 5		
FREDERICK	3345	FREDERICK	POTOMAC	39 25	77 25	297	EST	5P	5P	80	80	D J MARKEY JR	CLOSED		
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	294	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	8A			1	GLENNA R STALEY	2 3 5	
FRIENDSVILLE	3400	GARRETT	YOHIOGHEVY	39 37	79 28	2288	EST	6P	6P	27	27	HARRY N SAVAGE	2 3 5		
FROSTBURG	3410	ALLEGANY	POTOMAC	39 39	78 56	2100	EST	6P	6P	48	48	C A SUTER JR	2 3 5		
GERMANTOWN	3585	MONTGOMERY	POTOMAC	39 10	77 17	460	EST	6P	6P	29	29	R F STALEY	2 3 5		
GLEN ECHO	3645	MONTGOMERY	POTOMAC	38 58	77 09	150	EST	MID	MID			5	U S ENGINEERS	3 4	
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	MID			7	MARY R BITTINGER	3 4	
GRASONVILLE	3805	QUEEN ANNES	CHESAPEAKE	38 58	76 13	8	EST	5P	5P	2	2	MISS CAROLYN COURSEY	2 3 5		
GREAT FALLS	3855	MONTGOMERY	POTOMAC	39 00	77 15	200	EST	5P	5P	61	61	U S ENGINEERS	2 3 5		
GREENBELT	3860	PRINCE GEORGES	POTOMAC	39 01	76 52	200	EST	8A	8A			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	2975	WASHINGTON	POTOMAC	39 75	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	6P	6P	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	180	EST	5P	5P	35	35	MILTON M SOMERS	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	5530	ALLEGANY	POTOMAC	39 29	79 03	950	EST	8A	8A			12	J C PATRICK	3 4	
MILLINGTON	5985	KENT	CHESAPEAKE	39 15	75 50	27	EST	SS	SS	52	52	HENRY L HIGMAN	2 3 5		
OAKLAND	6620	GARRETT	MONONGAHELA	39 24	79 24	2420	EST	5P	5P	52	52	R E WEBER	2 3 4 5		
OWINGS FERRY LANDING	6770	CALVERT	CHESAPEAKE	38 41	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	CHESAPEAKE	38 17	76 24	74	EST	MID	MID			6	U S NAVAL AIR STATION	3 4	
PERRY POINT	6980	Cecil	CHESAPEAKE	39 33	76 04	40	EST	6P	6P			9	VETERANS ADMINISTRATION	2 3 5	
PICARDY	7010	ALLEGANY	POTOMAC	39 33	78 30	1030	EST	6P	6P	23	23	OSCAR R DAY	2 3 5		

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MARYLAND AND DELAWARE

AUGUST 1949

Continued

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.		
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	21	21	RAYMOND PHILLIPS	2 3 5	
PRESTON	7310	CAROLINE	CHESAPEAKE	38 43	75 55	48	EST	5P	5P			MRS GERTRUDE K WILLEY	2 3 5	
PRETTY BOY DAM	7315	BALTIMORE	CHESAPEAKE	39 38	76 42	780	EST	5P	5P	19	19	C W HENDRICKS	2 3 5	
PRINCESS ANNE	7330	SOMERSET	CHESAPEAKE	38 12	75 40	17	EST	5P	5P	50	50	GLENN R BELLINGER	2 3 5	
RANDALLSTOWN POLICE BARRACKS	7435	BALTIMORE	PATAPSCO	39 23	76 50	625	EST	5P	5P	2	2	MD STATE POLICE	2 3 5	
RIDGELEY	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			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	5P	5P	2	2	J L SWAINE JR	2 3 5	
SALISBURY	8000	WICOMICO	CHESAPEAKE	38 22	75 36	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			WALTER G MANN	3 4	
SINES DEEP CREEK	8315	GARRETT	YOUNGHIOPENY	39 31	79 25	2030	EST	MID	MID	25	25	C E MAC MURRAY	2 3 4 5	
SNOW HILL	8380	WORCESTER	CHESAPEAKE	38 10	75 24	18	EST	5P	5P			ELLIOTT BROWN	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 MISS AVE	8725	MONTGOMERY	POTOMAC	38 59	77 00	230	EST	7P	7P	5	5	O L HARVEY	2 3 5	
TONELOWAY	8855	WASHINGTON	POTOMAC	39 40	78 15	550	EST	6P	6P	25	25	J H CLINGERMAN	2 3 5	
TOWSON	8877	BALTIMORE	PATAPSCO	39 24	76 36	415	EST	5P	5P	11	11	BALTIMORE CO POLICE	2 3 5	
UMIOWVILLE	9030	FREDERICK	POTOMAC	39 28	77 11	450	EST	6P	6P	10	8	C 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	NORRIS 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	MDT	5P		2	BLAINE MC COLLUM	2 3 5	
WILLIAMSPORT	9570	WASHINGTON	POTOMAC	39 37	77 51	360	EST		7A		11	R C WILLSON	3	
WILLIS SCHOOL FILTR PLANT	9579	PRINCE GEORGES	PATUXENT	39 06	76 54	400	EST		8A		4	ROBERT F CRAVER	3	
WOODSTOCK COLLEGE	9750	BALTIMORE	CHESAPEAKE	39 20	76 53	415	EST	6P	6P	80	80	WOODSTOCK COLLEGE	2 3 5	

NEW STATIONS

BENTLEY SPRINGS	0737	BALTIMORE	CHESAPEAKE	39 41	76 41	730	EST	5P	5P	25	25	CARL PITTINGER	2 3 5
LAUREL	5111	PRINCE GEORGES	PATUXENT	39 06	76 54	400	EST	5P	8A		4	ROBIN CRAVER	2 3 5
LISBON	5302	HOWARD	PATUXENT	39 20	77 04	585	EST	6P	6P			AUGUST E SIMA	2 3 5
NEW GERMANY	6408	GARRETT	SAVAGE	39 38	79 07	2490	EST	5P	8A			MATTHEW E MARTIN	2 3 4 5
OCEAN CITY	6665	WORCESTER	COASTAL	38 29	75 05	17	EST	X				U S COAST GUARD	2 3 5
VIENNA	9140	DORCHESTER	CHESAPEAKE	38 29	75 50	12	EST	8P	8P			EASTERN SHORE PUB SER CO	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.

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