

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION
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GENERAL SUMMARY

July temperatures were normal and rainfall was slightly below normal. The departures from normal in temperature were less than one degree at three-fourths of the stations. The warmest period was near the fifth, when mean temperatures generally were eight to fifteen degrees above normal. The highest readings were from 90° to 95°, as a rule. Some stations reported their highest readings about the 20th or the 30th. The coolest period was from the 7th to the 10th.

The showery nature of the rainfall was indicated by the variability of the amounts reported through the section. Although somewhat less than one-half of the stations were above normal, they were not confined to any region, but were scattered throughout the two-state area. The greatest deficiencies in rainfall were in the northern counties from New Castle County, Delaware, to the eastern portion of Allegany County. General showers fell about the 1st, 6th, 14th, 17th, 23d, 27th and 31st, while scattered showers fell on many other dates. However, having followed a wet period in May and June, soil moisture conditions were satisfactory, except that they became somewhat dry in Washington County.

At the end of the month, corn was in a good to very good condition and was growing well. Oats were good, were ripening and were being cut in western counties. Elsewhere, the oats harvest had been completed. The wheat harvest was under way. Yields were variable from good in western counties to poor in north-central areas. Hay crops and most pastures were good to very good although frequent showers in some areas had caused some damage to timothy and clover because of inability to cut at the proper stage of maturity. Most truck crops were in good condition, although late in eastern areas due to earlier wet weather. The harvest of sweet corn had begun in Del-Mar areas. Tomatoes were ripening with fair volume, but some blight had been reported. Picking early varieties of apples and peaches was under way. A light crop of apples, generally of a good quality, was expected. Peach yields were good but the quality was only poor to fair due to brown rot and insect injury. Tobacco was growing well and was in fair to good condition but some severe aphid infestation was reported.

TEMPERATURE

The monthly mean temperature for the Section was 75.5°, which is normal; for Maryland, 75.5°, 0.1° above normal; and for Delaware, 76.0°, 0.1° below normal.

For Maryland, the monthly mean temperature varied from 81.2° at Crisfield to 68.0° at Oakland. The highest temperature was 99° on the 30th at Hancock, and the lowest was 44° on the 2d at Oakland. The greatest local monthly temperature range was 52° at Hancock, ranging from 99° on the 30th to 47° on the 9th, 10th and 26th. The least local monthly temperature range was 30° at Annapolis, ranging from 92° on the 5th to 62° on the 8th.

For Delaware, the monthly mean temperature varied from 77.4° at Milford to 74.8° at Wilmington (Porter Reservoir). The highest temperature was 95° on the 27th at Milford and Millsboro and the lowest was 49° on the 8th at Georgetown and Millsboro. The greatest local monthly temperature range was 46° at Millsboro, having a high reading of 95° on the 27th and a low reading of 49° on the 8th. The least local monthly range was 34° at Wilmington (Porter Reservoir), with a high reading of 90° on the 5th and a low reading of 56° on the 16th.

PRECIPITATION

The monthly average for the Section was 3.60 inches, 0.73 inch below normal; for Maryland, 3.57 inches, 0.72 inch below normal; and for

Delaware, 3.77 inches, 0.89 inch below normal. For Maryland, it was greatest at Blackwater with 7.70 inches, and least at Williamsport with 0.60 inch. The greatest 24-hour rainfall was 4.54 inches on the 14-15th at Solomons. For Delaware, the monthly precipitation was greatest at Bridgeville with 7.14 inches, and least at Wilmington Airport with 1.15 inches. The greatest 24-hour rainfall was 2.70 inches on the 13-14th at Milford.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level			Wind					Mean relative humidity			Percentage of sunshine	Cooling days (base 65°)
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Aberdeen, Md.....	30.26	9	29.58	6	8.0	47	nw	9	84	65	77	...	54
Annapolis, Md.....	30.34	9	29.65	22	9.2	47	nw	9	80	66	76	...	82
Baltimore, Md.....	30.31	9	29.59	6	9.2	47	nw	9	79	57	67	68	127
Elkins, W. Va.....	30.85	2	29.74	21	5.1	34	nw	*	94	66	78	64	0
Harrisburg, Pa.....	30.34	9	29.58	6	6.1	21	nw	23	79	53	64	64	59
Norfolk, Va.....	30.34	9	29.67	6	9.0	27	nw	6	81	57	73	70	161
Philadelphia, Pa.....	30.23	9	29.48	6	6.3	24	sw	27	84	56	68	64	78
Pittsburgh, Pa.....	30.29	9	29.69	23	8.7	35	nw	27	83	56	63	45	63
Washington, D.C.....	30.34	9	29.62	6	5.9	24	nw	6	79	55	67	74	122

* also sw on 22d.

COMPARATIVE DATA FOR JULY

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with 0.1 in. or more
1895.....	71.0	102	32	3.40	0.0	8	72.5	100	52	3.04	0.0	8
1896.....	75.7	99	40	5.39	0.0	11	77.2	99	53	4.71	0.0	11
1897.....	75.6	102	41	6.82	0.0	12	75.9	94	59	8.46	0.0	17
1898.....	77.4	109	32	3.53	0.0	9	77.5	99	51	4.09	0.0	8
1899.....	75.6	100	37	3.45	0.0	10	76.9	98	52	6.11	0.0	10
1900.....	77.2	106	35	3.25	0.0	8	78.7	100	54	2.69	0.0	7
1901.....	78.7	106	40	5.41	0.0	11	80.2	104	59	5.62	0.0	9
1902.....	75.7	104	43	3.76	0.0	10	76.4	104	52	3.22	0.0	9
1903.....	75.1	100	41	5.63	0.0	11	75.3	100	50	4.20	0.0	8
1904.....	73.4	102	35	5.19	0.0	12	74.2	98	51	5.97	0.0	13
1905.....	75.2	101	42	7.63	0.0	14	75.9	101	56	5.25	0.0	13
1906.....	73.9	98	42	5.08	0.0	12	74.9	95	55	6.95	0.0	12
1907.....	74.6	98	39	3.98	0.0	9	75.9	96	53	3.66	0.0	7
1908.....	76.5	102	38	4.80	0.0	11	78.2	100	52	5.46	0.0	10
1909.....	73.1	98	32	1.57	0.0	5	73.9	98	49	2.12	0.0	6
1910.....	75.9	98	42	2.43	0.0	8	77.0	95	51	3.53	0.0	9
1911.....	76.9	106	35	2.67	0.0	6	78.0	102	49	2.67	0.0	7
1912.....	74.2	99	43	5.40	0.0	11	75.4	98	51	4.44	0.0	9
1913.....	75.6	102	38	2.86	0.0	9	77.2	98	50	2.22	0.0	7
1914.....	74.3	101	35	2.74	0.0	10	75.3	99	53	5.43	0.0	10
1915.....	74.2	103	36	3.31	0.0	12	76.4	100	55	3.11	0.0	10
1916.....	75.9	100	42	5.46	0.0	10	76.4	93	53	5.91	0.0	9
1917.....	74.8	102	45	6.41	0.0	14	75.8	100	56	6.07	0.0	18
1918.....	72.4	99	38	3.16	0.0	9	74.0	97	46	2.34	0.0	6
1919.....	75.5	105	41	7.38	0.0	12	75.7	105	47	10.90	0.0	12
1920.....	72.8	98	37	4.65	0.0	9	74.3	96	48	4.39	0.0	9
1921.....	77.6	101	45	4.32	0.0	10	78.4	98	58	3.50	0.0	10
1922.....	74.7	99	43	5.83	0.0	12	75.3	96	56	6.39	0.0	10
1923.....	73.9	101	39	4.48	0.0	11	73.6	97	49	5.58	0.0	10
1924.....	72.9	100	42	2.36	0.0	7	73.7	94	52	3.31	0.0	6
1925.....	74.6	100	36	5.04	0.0	10	76.2	98	49	5.24	0.0	11
1926.....	74.8	107	38	5.21	0.0	12	75.9	102	51	10.47	0.0	14
1927.....	74.0	100	39	3.64	0.0	10	75.0	96	48	5.46	0.0	9
1928.....	75.5	99	40	4.22	0.0	10	76.7	98	51	4.88	0.0	11
1929.....	74.2	101	34	1.76	0.0	7	75.6	102	46	1.28	0.0	5
1930.....	76.9	108	38	1.41	0.0	6	78.3	110	50	3.00	0.0	8
1931.....	77.5	108	44	4.70	0.0	12	78.9	100	55	3.12	0.0	11
1932.....	74.8	99	41	3.10	0.0	9	76.2	91	53	2.44	0.0	9
1933.....	74.0	102	37	5.34	0.0	10	76.0	99	50	5.50	0.0	7
1934.....	78.4	107	42	2.97	0.0	8	78.7	101	52	7.19	0.0	10
1935.....	76.9	101	42	4.23	0.0	10	77.1	97	53	4.33	0.0	9
1936.....	75.8	109	38	4.20	0.0	10	76.1	105	55	4.01	0.0	11
1937.....	74.8	100	39	3.96	0.0	10	76.0	97	53	2.64	0.0	8
1938.....	75.8	99	42	7.00	0.0	14	76.7	96	50	9.69	0.0	16
1939.....	73.8	97	39	3.59	0.0	11	75.0	94	50	2.22	0.0	8
1940.....	74.9	103	37	3.45	0.0	9	75.5	102	46	2.37	0.0	8
1941.....	75.3	104	42	5.18	0.0	12	75.7	100	56	5.36	0.0	14
1942.....	75.9	102	44	4.76	0.0	11	76.8	100	53	5.73	0.0	10
1943.....	75.4	98	35	2.42	0.0	10	76.0	95	47	2.85	0.0	10
1944.....	75.9	100	39	2.57	0.0	7	76.9	99	50	1.81	0.0	6
1945.....	74.1	101	36	2.95	0.0	15	74.8	99	48	6.10	0.0	16
1946.....	74.0	99	36	3.71	0.0	9	73.8	96	49	6.11	0.0	9
1947.....	73.3	97	37	4.40	0.0	13	74.2	95	48	8.66	0.0	12
1948.....	75.5	99	44	3.57	0.0	11	76.0	95	49	3.77	0.0	8
Period...	75.4	109	32	4.29	0.0	10	76.1	110	46	4.66	0.0	10

Climatological Data for July 1948

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date), Precipitation (Total, Departure from normal, Greatest in 24 hours, Date, Total snowfall), Number of days (With precip., Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

All departures from normal are computed from the averages of the entire period for stations having 10 or more years of record... Thermometers are read in morning; maximum temperature then read is charged to preceding day...

Daily Temperatures for July 1948-Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various Maryland locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective maximum and minimum temperatures for each day.

See page 26 for explanation of reference marks.

(WBO, Philadelphia, Pa., -12-16-48-1325)