

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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GENERAL SUMMARY

This August was very warm and unusually sunny. The average monthly rainfall was the least in August since 1932. Warm weather was interrupted by brief cool spells during the 12-13th, 18-19th, and 25-26th. The 14-17th was the warmest period. The first decade was humid, mostly cloudy, and showery. The second and third decades were dry, mostly clear, and unusually sunny. Monthly sunshine was 15 per cent above normal. A mild tornado occurred at night of the 31st.

Growing crops were mostly good to excellent. Pastures and grasses were good to excellent during the first decade and mostly good thereafter. Delayed threshing of wheat, rye, and oats was accomplished; yields were mostly good. Digging early potatoes ended in the southern and central counties during the first week and in the northern counties during the second week, except in western Maryland during the last week. Harvesting oats and late peas in western Maryland ended during the second week. Late potatoes were maturing in western Maryland and were making and developing in the central division. Late potato plants were blooming on the Eastern Shore. Sweet potatoes were maturing in the southern and central counties and developing in the northern counties. Corn ears filled out well and were maturing in the eastern and central divisions. Cutting corn began in some localities of the southern and central counties. Fodder was heavy and was being gathered. Harvesting tomatoes, sugar corn, tobacco, truck crops, tree fruits, cantaloupes, and watermelons; canning tomatoes, sugar corn, and beans; haying; and plowing were in progress. Quality of cantaloupes and watermelons was poor to fair. — J. B., jr.

TEMPERATURE

The monthly mean for the section, 76.3°, is 3.0° above normal. The highest monthly mean was 80.6° at Solomons; the lowest, 67.0°, at Sines. The highest temperature, 100°, occurred at Great Falls on the 15th; the lowest, 38°, at Oakland on the 30th. The greatest local monthly range was 52° at Lutherville; the least, 29°, at Delaware Breakwater. The greatest daily range was 45° at Western Port on the 30th.

PRECIPITATION

The monthly average for the section, 2.71 inches, is 1.88 inches below normal. The greatest monthly amount was 6.17 inches at Elkton; the least, 0.50 inches, at Cambridge. The greatest 24-hour amount was 3.45 inches at Delaware City on the 7-8th. The average number of days with 0.01 inch or more of precipitation, 6, is 4 below normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Hail, light: Chewsville, 31, Millsboro, 27, Washington, 17. Lightning killed the trainer and stunned 10 members of a racing lifeboat crew on the Patuxent River at Solomons on the 3d; and fired a home at Mt. Vernon, Somerset County, and a

barn and the farm implements and the wheat crop stored within near Frederick on the 17th. *Thundergusts, high:* 1, 9, 17, 31.

Thunderstorms: 1, 3 to 11, 15 to 18, 27, 31.

Tornado, mild: 31st., 8 p.m., sw. to ne., path one-half mile wide and 5 miles long; Glencoe to Corbett, north-central Baltimore County; 3 homes damaged; one front porch, weighing a ton, was lifted over the home and deposited intact on a lot at the rear; property damage was \$3,000; corn crop loss was \$500.

Waterspout: 27th., Choptank River, 3 miles from Cambridge; sw. to ne.; dissipated on Howell Point; no damage.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level				Wind				Mean relative humidity			Percentage of sunshine	Cooling degree days (base 75°)
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	Local n h	7:30 p. m.		
Aberdeen, Md.	30.17	13	29.73	11	7.7	21	nw.	24	80	76	72	100	133
Annapolis, Md.	30.17	13	29.73	11	8.3	74	58	72	133	133
Baltimore, Md.	30.18	13	29.73	11	9.0	32	s.	31	72	48	62	163	163
Elkins, W. Va.	30.28	13	29.90	11	4.5	23	w.	17	95	53	72	12	12
Harrisburg, Pa.	30.16	20	29.72	11	5.8	25	nw.	19	77	50	58	93	93
Norfolk, Va.	30.21	14	29.79	11	7.9	35	nw.	11	80	54	68	74	166
Philadelphia, Pa.	30.18	21	29.70	11	10.8	33	sw.	31	74	54	65	70	115
Pittsburgh, Pa.	30.23	13	29.82	11	8.1	36	w.	17	82	50	57	74	49
Washington, D. C.	30.20	13	29.76	11	5.2	17	nw.	10	78	54	68	75	128

COMPARATIVE DATA FOR AUGUST

Year	FOR MARYLAND						FOR DELAWARE					
	Temperature			Precipitation			Temperature			Precipitation		
	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more
1895.....	75.2	102	31	1.90	0.0	7	77.1	100	49	2.73	0.0	7
1896.....	74.2	100	34	1.77	0.0	6	75.8	103	50	1.57	0.0	7
1897.....	71.6	95	39	3.53	0.0	8	73.5	93	51	3.33	0.0	7
1898.....	75.3	98	46	6.42	0.0	9	76.7	95	53	5.07	0.0	8
1899.....	74.1	102	41	4.09	0.0	9	74.4	104	52	2.79	0.0	9
1900.....	78.9	103	41	3.04	0.0	10	75.9	105	57	7.13	0.0	9
1901.....	74.9	98	42	5.72	0.0	7	73.1	96	48	1.62	0.0	7
1902.....	71.6	100	33	2.11	0.0	7	72.4	99	49	4.58	0.0	9
1903.....	71.0	100	37	5.25	0.0	13	72.4	99	49	4.58	0.0	9
1904.....	71.8	97	31	2.95	0.0	8	72.8	94	48	2.42	0.0	6
1905.....	72.9	104	38	5.19	0.0	9	73.3	93	51	6.49	0.0	10
1906.....	75.6	96	47	8.32	0.0	16	76.9	97	59	9.25	0.0	14
1907.....	71.3	95	39	4.40	0.0	11	72.8	95	51	3.29	0.0	9
1908.....	71.7	101	34	4.98	0.0	9	72.1	97	48	5.06	0.0	11
1909.....	71.7	99	33	3.11	0.0	7	72.3	95	48	2.97	0.0	4
1910.....	72.3	95	34	2.79	0.0	9	72.9	92	51	3.32	0.0	11
1911.....	74.7	104	37	9.95	0.0	15	75.4	99	51	9.87	0.0	13
1912.....	71.5	99	33	2.93	0.0	9	73.8	97	49	1.87	0.0	7
1913.....	73.0	101	38	3.90	0.0	9	74.0	99	52	3.60	0.0	8
1914.....	74.4	102	38	4.84	0.0	9	76.5	100	55	3.94	0.0	8
1915.....	72.4	102	38	8.22	0.0	15	74.5	101	49	8.05	0.0	12
1916.....	74.1	101	38	2.42	0.0	7	74.9	99	49	1.14	0.0	9
1917.....	73.3	100	40	3.15	0.0	8	75.0	98	51	8.54	0.0	9
1918.....	76.0	109	40	3.19	0.0	9	76.7	107	48	1.55	0.0	5
1919.....	71.9	96	37	5.37	0.0	11	72.5	94	51	3.54	0.0	11
1920.....	73.4	95	42	6.86	0.0	16	74.5	91	52	8.13	0.0	18
1921.....	71.2	87	37	3.70	0.0	8	73.3	98	49	3.22	0.0	9
1922.....	71.6	98	31	3.19	0.0	10	72.9	91	51	4.79	0.0	11
1923.....	72.7	98	34	3.12	0.0	11	73.0	96	45	2.78	0.0	10
1924.....	73.3	103	35	4.00	0.0	8	74.2	100	49	4.57	0.0	7
1925.....	71.6	98	35	2.38	0.0	8	72.4	95	45	3.39	0.0	7
1926.....	74.8	104	42	6.54	0.0	14	76.1	101	55	5.66	0.0	11
1927.....	68.4	92	36	3.97	0.0	13	68.6	91	47	4.96	0.0	13
1928.....	75.5	99	41	9.09	0.0	12	77.0	100	55	10.00	0.0	12
1929.....	71.3	99	35	2.69	0.0	7	72.7	97	45	2.84	0.0	8
1930.....	73.7	108	30	1.06	0.0	5	74.4	102	46	1.59	0.0	4
1931.....	73.6	101	40	7.44	0.0	15	75.8	101	56	9.88	0.0	13
1932.....	74.6	104	38	2.55	0.0	7	75.7	100	50	2.12	0.0	6
1933.....	73.8	100	40	10.00	0.0	12	75.6	98	56	12.73	0.0	13
1934.....	72.0	97	32	4.94	0.0	10	72.9	94	44	5.40	0.0	10
1935.....	74.1	100	36	3.22	0.0	9	74.6	99	49	3.66	0.0	10
1936.....	75.8	101	39	4.11	0.0	10	76.4	100	50	6.08	0.0	8
1937.....	75.5	100	44	6.87	0.0	13	76.1	95	55	8.29	0.0	15
1938.....	76.2	100	38	2.61	0.0	6	76.8	98	49	3.40	0.0	7
Period.....	73.1	109	30	4.56	0.0	10	74.6	107	44	4.78	0.0	9

Climatological Data for August 1938

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

The departures from normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Data in italics determined from surrounding stations. T. Precipitation is less than 0.01 inch rain or melted snow. Post addresses of these stations are as follows: Of Bell, Glendale, of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Mt. Savage Summit, Frostburg; of Odessa, Middletown; of Peard, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Sines, Oakland. *Custom House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. §Northwest of Frostburg. ¶Prettyboy Dam. §§Municipal Building. §§§Porter Reservoir.

Daily Precipitation for August 1938

Table with columns: Stations, Drainage basin, Day of month (1-31), Total. Lists stations like Aberdeen, Annapolis, Baltimore, etc. with precipitation amounts.

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.
***Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.
|||Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.
T. Trace, or less than 0.01 inch.

Daily Temperatures for August 1938

Table with columns: Stations, 1-31, Mean. Lists stations like Bridgeville, Delaware Breakwater, Delaware City, etc. with daily temperature data.

Daily Temperatures for August 1938-Continued

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

§§ Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Conowingo Dam, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cheltenham, Cumberland and Salisbury are for 24-hour period ending late in afternoon, near sunset. (WFO, Richmond, Va., 10-20-38-1,000)