

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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VOL. LI BALTIMORE, MD., AUGUST 1947 No. 8

GENERAL SUMMARY

In Maryland, this was the warmest August since 1900 and the second warmest on record. It was 6.3° warmer than the August of 1946, which was next to the coolest such month of record. In Delaware, however, it was just 1.5° warmer than normal and not so far off the average. Over the section, the first week was below normal. The rest of the month was above normal, except for a couple one to two day slightly below normal periods. All stations in Maryland and Delaware were above normal. Oakland, Maryland, had the greatest excess in temperature, averaging 5.2° above the normal, while Delaware City, Delaware, averaging 1.0° above normal, had the least excess. The cooling effect of the Chesapeake Bay and the Atlantic Ocean was indicated by Annapolis, Maryland, and Lewes, Delaware, having the lowest mean maximum temperatures, outside of Garrett County, for the month, 83.4° and 83.5° respectively.

This August was a little short on rainfall but not particularly so, except near the Chesapeake Bay and over the interior Eastern Shore areas where the greatest deficiencies occurred. Portions of Garrett, Allegany, Washington; Frederick, Howard, Prince Georges, Montgomery and Wicomico Counties of Maryland, and the eastern portion of New Castle and Kent Counties of Delaware, received more than the normal allotment of rainfall. Precipitation was well distributed through the month in most of Delaware and near the District of Columbia. Elsewhere, most of the rain fell through the last half of the month.

Warm temperatures and generally ample soil moisture made August weather good for crop development. At the end of the month, corn was thriving and improving but still was late. The crop averaged about good. The preparation of the winter grainland was beginning. Sugar corn and tomatoes were at their peak. The commercial tomato crop glutted Eastern Shore markets and lowered prices. Other truck crops and gardens were good, as a rule. Peaches and apples were ripening and earlier varieties had been harvested. The Southern Maryland tobacco was no better than fair. Late August rains made the plants green up and this delayed cutting. Pastures were good to excellent, except fair in southeastern counties.

TEMPERATURE

The monthly mean temperature for the section was 76.3 degrees, 2.8 degrees above normal. The highest monthly mean temperature, 80.2 degrees, was recorded at Crisfield, Maryland, and the lowest, 70.5 degrees, at Sines, Maryland. The highest temperature recorded during the month was 99 degrees at Coleman, Maryland, on the 14th, Keedysville, Maryland, on the 14-15th, and Millsboro, Delaware, on the 15th; and the lowest was 47 degrees at Oakland, Maryland, on the 2d. The greatest local monthly range in temperature was 48 degrees at Millsboro, Delaware, where a minimum of 51 degrees was reported on the 2d, and a maximum of 99 degrees on the 15th. The lowest monthly range in temperature was 25 degrees at Annapolis, Maryland, where a minimum of 63 degrees was reported on the 2d and a maximum of 88 degrees reported on the 26th.

PRECIPITATION

The average monthly precipitation for Maryland and Delaware was 3.26 inches, which was 1.22 inches below normal. The greatest amount reported during the month was 10.20 inches at Frostburg, Maryland, and the lowest amount recorded was 0.99 inch at Conowingo Dam, Maryland. The greatest 24-hour rainfall was 3.37 inches at Western Port, Maryland, on the 26-27th.

DATES OF MISCELLANEOUS PHENOMENA

Heavy fog.—5, 6, 9, 10, 11, 12, 14, 17, 18, 19, 23, 24, 25, 28, 29, 30. Hail.—26.
Thunderstorms.—1, 3, 4, 6, 8, 9, 10, 14-22, 24-31. High winds.—15, 17, 20, 26.

EVAPORATION STATION: Beltsville, Md. (Elevation, 120 feet)
U. S. Bureau Dairyng Industry, Joseph B. Shepherd, in charge
(Evaporation Tank: 10 inches deep, 48 inches in diameter)

Precipitation, 6.08; evaporation, 6.045; average daily wind movement, 34.0.

PRESSURE, HUMIDITY, SUNSHINE, WIND, DEGREE DAYS

Stations	Atmospheric pressure reduced to sea level			Wind			Mean relative humidity			Percentage of sunshine	Heating degree days (base 65°)	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.			1:30 p. m.
Aberdeen, Md.	30.33	11	29.82	26	6.8	11	.....	.....	92	64	.....	57
Annapolis, Md.	30.33	11	29.78	26	6.8	11	.....	.....	88	70	73	88
Baltimore, Md.	30.32	11	29.80	26	7.7	33	e.	20	86	60	71	127
Elkins, W. Va.	30.29	12	29.91	1	4.0	31	se.	9	97	63	85	43
Harrisburg, Pa.	30.32	11	29.81	26	8.1	26	n.	9	88	60	70	84
Norfolk, Va.	30.30	11	29.84	26	10.1	18	sw.	16	87	66	79	122
Philadelphia, Pa.	30.34	11	29.81	26	6.6	22	e.	3	90	62	77	87
Pittsburgh, Pa.	30.25	12	29.91	26	6.7	26	nw.	26	88	60	68	180
Washington, D. C.	30.37	11	29.83	26	5.2	24	ne.	9	84	58	70	148

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	54	3.33	0.0	7
1898	75.3	98	46	6.42	0.0	9	76.7	95	53	5.07	0.0	7
1899	74.1	102	41	4.09	0.0	9	74.4	96	52	4.91	0.0	8
1900	78.8	103	41	3.04	0.0	9	78.7	104	52	2.79	0.0	9
1901	74.9	98	42	5.72	0.0	10	76.7	95	57	7.13	0.0	9
1902	71.6	100	33	2.11	0.0	7	73.1	96	48	1.62	0.0	7
1903	71.0	100	37	5.25	0.0	13	72.4	99	49	4.58	0.0	9
1904	71.8	97	31	2.96	0.0	8	72.8	94	48	2.42	0.0	6
1905	72.9	104	35	5.19	0.0	9	73.3	93	51	6.39	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	36	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	5
1917	73.3	100	40	3.15	0.0	8	75.0	98	51	3.54	0.0	5
1918	76.0	109	40	3.19	0.0	9	75.7	107	48	1.55	0.0	9
1919	71.9	96	37	5.37	0.0	11	72.5	94	51	9.54	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	97	37	3.70	0.0	8	72.3	98	49	3.82	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	69.6	91	47	4.96	0.0	13
1928	75.5	99	41	9.69	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	6
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	12.78	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
1939	76.1	99	44	4.20	0.0	8	76.3	97	54	9.50	0.0	11
1940	71.3	97	38	5.29	0.0	13	72.3	95	45	5.69	0.0	12
1941	72.9	100	36	3.14	0.0	7	73.4	97	44	3.14	0.0	7
1942	72.6	97	35	7.30	0.0	13	73.4	96	45	7.63	0.0	12
1943	75.5	102	38	1.42	0.0	6	75.8	100	47	1.30	0.0	6
1944	74.2	102	34	3.46	0.0	7	75.0	98	43	5.05	0.0	6
1945	72.5	99	34	3.73	0.0	9	72.6	95	47	3.50	0.0	10
1946	70.1	95	34	4.61	0.0	10	70.8	92	46	4.19	0.0	10
1947	76.4	99	47	3.30	0.0	8	75.9	99	51	2.97	0.0	8
Period	73.4	109	30	4.42	0.0	10	74.4	107	43	4.85	0.0	9

Climatological Data for August 1947

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, With precip. 0.01 inch or more, 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, except that for First-Order Weather Bureau Stations they are based on adopted normals. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Trace or 0.005 inch or less rain or melted snow. Recording gage. Italic Data interpolated. Elevations are of ground above mean sea level.

Post addresses of these stations are as follows: Of Bell, Glendale; of Blackwater, Cambridge; of Charlotte Hall, Mechanicsville; of Coleman, Worton; of Edgemont, Smithsburg; of Ferry Landing, Owings; of Great Falls, Bethesda; of Peadary, Paw Paw, Va.; of Prettyboy Dam, Parkton; of Sines, Oakland; of Takoma Park No. 2, Silver Spring; of Tonoloway, Hancock. *Columbia House, Gay and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. ‡Municipal Building. §§§ Porter Reservoir. ¶¶ Water Pumping Station. ||| University Farm. Figures and letters following station indicate distance and direction of the observation point from the City Post Office. ¶ 1.8 miles west.

Thermometers are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Baltimore Airport, Frederick Airport, Sines, Washington, and Wilmington are from midnight to midnight; at Ocean City and Snow Hill the thermometers are read at 1:30 a. m., the extremes are charged to the preceding day; at other stations temperatures are for a 24-hour period ending in late afternoon or near sunset, except 11 p. m., at Chestertown. Italic Data interpolated.

Daily Temperatures for August 1947-Continued

Table with columns for Stations (Maryland), days 1-31, and Mean. Rows list various stations such as Aberdeen, Annapolis, Baltimore, etc., with their respective temperature readings.

See page 30 for explanation of reference marks.

(WBO, Philadelphia, Pa.—12-11-47—1825)