

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

IN COOPERATION WITH MARYLAND STATE WEATHER SERVICE

CLIMATOLOGICAL DATA

15

MARYLAND AND DELAWARE SECTION

G. N. BRANCATO

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VOL. LII

BALTIMORE, MD., JULY 1948

No. 7

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 75°)	
	Highest	Date	Lowest	Date	Average 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	.....	.....	.....	.....	84	65	77	..
Annapolis, Md.	30.84	9	29.65	22	8.0	.....	nw.	6	80	66	76	82
Baltimore, Md.	30.31	9	29.59	6	9.2	47	.....	.....	79	57	67	68
Elkins, W. Va.	30.35	9	29.74	21	5.1	34	sw.	5	94	66	78	64
Harrisburg, Pa.	30.34	9	29.58	6	6.1	21	w.	.....	79	53	64	59
Norfolk, Va.	30.34	9	29.67	6	9.0	27	nw.	23	81	57	73	70
Philadelphia, Pa.	30.23	9	29.48	6	6.3	24	sw.	6	84	56	68	64
Pittsburgh, Pa.	30.29	9	29.69	23	8.7	35	nw.	27	83	56	68	48
Washington, D. C.	30.34	9	29.62	6	5.9	24	n.	6	79	55	67	74

* also sw. on 22d.

COMPARATIVE DATA FOR JULY

Year	FOR MARYLAND			FOR DELAWARE								
	Temperature		Precipitation	Temperature		Precipitation						
	Mean	Highest	Lowest	Average	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	8.04	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	12
1906	73.9	96	42	5.08	0.0	12	74.9	95	55	6.95	0.0	13
1907	74.6	99	39	3.98	0.0	9	75.9	96	58	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	2.87	0.0	7
1912	74.2	99	40	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	74.5	101	35	2.74	0.0	10	75.3	99	58	5.43	0.0	10
1915	74.2	103	36	3.31	0.0	12	76.4	100	53	3.11	0.0	10
1916	75.9	100	42	5.46	0.0	10	76.4	93	58	5.91	0.0	9
1917	74.8	102	45	6.41	0.0	14	75.8	100	56	6.07	0.0	13
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	4.89	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	75.8	96	56	6.39	0.0	10
1923	78.9	101	39	4.48	0.0	11	79.6	97	49	5.58	0.0	10
1924	72.9	100	40	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	103	44	4.70	0.0	12	78.9	100	55	3.12	0.0	11
1932	74.6	99	41	3.10	0.0	9	78.2	91	58	2.44	0.0	9
1933	74.0	102	37	5.34	0.0	8	75.0	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	3.55	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	5.86	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	2.88	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	9.96	0.0	16	74.9	99	48	9.70	0.0	16
1946	74.0	99	36	3.71	0.0	9	78.8	96	49	6.11	0.0	9
1947	73.8	97	37	4.40	0.0	13	74.2	95	48	3.66	0.0	12
1948	75.5	99	44	3.57	0.0	11	76.0	95	49	8.77	0.0	8

Period ... 75.4 109 32 4.29 0.0 10 76.1 110 46 4.66 0.0 10

CLIMATOLOGICAL DATA: MARYLAND AND DELAWARE SECTION

JULY 1948

Climatological Data for July 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees, Fahr.			Precipitation, in inches			Number of days	Prevailing direction of wind	Observers			
				Mean	Departure from the normal	Date	Lowest	Date	Total						
<i>Maryland</i>															
Aberdeen, 4 miles SE.	Harford	57	30	74.9	-0.7	91	5†	53	10	2.58	-1.80	1.88	13	0	8
Annapolis ¹	Anne Arundel	40	83	76.8	-0.6	92	5	54	8	3.75	-0.27	1.97	31	0	11
Baltimore ¹ (central)	78	78.7	+1.5	95	5	54	8	1.94	-2.70	1.16	13-14	0	11		
Baltimore Airport	16	14	78.2	+1.5	95	5	60	25	2.78	-1.86	1.53	13-14	0	9	
Bell†	Prince Georges	151	28	75.6	+0.1	94	5†	50	9	3.15	-1.18	1.29	14-15	0	12
Beltsville, 1 mi. ESE	do	120	11	75.0	+0.2	93	6	50	9	2.88	-1.33	0.68	30-1	0	14
Blackwater†	Dorchester	5	8	78.1		92	6	53	8	7.70		3.06	20	0	7
Cambridge	do	17	54	75.2	-2.4	90	6†	51	8	6.19	+1.67	1.75	14-15	0	11
Charlotte Hall, 24 mi. E	St. Marys	27	76.4	0.0		92	21†	53	9	5.57	+0.40	0.81	20-21	0	13
Cheltenham, 14 mi. NW	Prince Georges	230	48	76.0	+0.2	94	5	52	9	3.80	-0.73	1.18	17	0	11
Chestertown	Kent	36	43	76.8	+0.6	92	6	55	8	3.07	-1.16	1.05	31	0	11
Chewsterville, 4 miles SE	Washington	560	51	74.8	+0.9	93	5†	51	9†	2.67	-1.01	0.61	23	0	10
Clear Spring, 14 mi. NE	do	560	49	76.0	+1.8	97	30	52	25	1.73	-2.34	0.53	23	0	10
Coleman†, 3 miles NW	Kent	80	51	75.5	+0.9	96	5	56	8	3.20	-1.23	1.45	13	0	11
College Park	Prince Georges	95	62	76.6	+0.9	93	6†	52	9	3.44	-0.73	1.06	14-15	0	11
Conowingo Dam	Harford	40	13	74.6	-0.2	93	9	53	9	1.77	-3.18	0.40	23	0	10
Crisfield	Somerset	5	29	81.2	+3.2	94	19†	59	8	3.91	-1.20	2.11	14-15	0	6
Cumberland	Allegany	623	78	73.7	-0.8	95	30	51	2†	3.81	+0.56	2.33	3-4	0	16
Easton	Talbot	35	68	76.2	-0.1	90	6†	52	8	3.83	-0.73	0.96	30-1	0	9
Edgemont†, 1 mile SW	Washington	920	10								-0.05	0.84	28	0	12
Elkton	Cecil	28	22	75.4	-0.5	93	5	52	8†	1.73	-2.77	0.51	13	0	9
Emmitsburg, 24 mi. SW	Frederick	720	82	75.2	0.0	91	5	54	2	4.87	+0.66	0.96	22	0	12
Fallston	Harford	450	79	74.5	+0.2	90	5	57	10	1.79	-2.66	1.09	14-15	0	10
Ferry Landing†, 14 mi. S	Calvert	120	32	76.7	+0.6	95	5	55	8†	3.96	-0.91	0.90	31	0	13
Fort George G. Meade	Anne Arundel	195	7	74.5		98	5	49	9	2.34		0.69	23	0	12
Frederick	Frederick	297	79	75.2	-1.3	93	6†	50	9†	4.02	+0.12	0.90	17-18	0	13
Frederick Airport ¹	do	871	5	75.8		93	5	56	2†	4.16		0.76	31	0	13
Friendsville	Garrett	1,980	26												
Frostburg	Allegany	2,005	47	69.7	-1.9	87	5†	46	2	2.80	-0.96	0.53	6	0	17
Germantown	Montgomery	460	30	74.3	-3.8	92	4	55	2†	2.45	-1.18	0.57	1	0	12
Glenelg	Howard	633	1	74.0		91	5†	50	9	0.94		0.49	18-14	0	8
Grasonville	Queen Annes	8	1	77.1		91	6	54	8	5.04		2.05	31	0	9
Great Falls†	Montgomery	200	60	75.6	-0.2	95	5	52	9	2.22	-1.90	0.68	14-15	0	8
Hagerstown	Washington	660	9	75.8		95	30	54	9	2.53		1.10	20	0	6
Hancock	do	428	13	73.7	-0.8	99	30	47	9†	1.07	-2.42	0.42	14	0	11
Huntingtown	Calvert	160	13	75.6	+0.2	98	5†	51	8	5.66	+0.26	1.21	20	0	12
Keedysville	Washington	420	45	75.9	+0.3	95	5	50	9	2.62	-1.16	0.70	14-15	0	13
La Plata	Charles	190	34	77.4	+1.1	97	5	51	9	3.75	-0.90	1.00	31	0	10
Leonardtown	St. Marys	100	16	78.6	+1.8	93	5†	53	9	4.01	-0.57	1.15	14-15	0	8
Luke	Allegany	950	11							4.98	+1.35	2.66	3-4	0	16
Maryland Line	Baltimore	840	24	74.2	+0.2	92	5	56	2†	2.97	-1.35	2.23	23	0	6
Millington	Kent	27	51	76.6	+0.6	99	29	53	8	2.77	-1.80	0.59	13	0	10
Oakland, 1 mile SE	Garrett	2,420	51	68.0	+0.2	85	4†	44	2	6.95	+2.30	1.22	3-4	0	16
Oxford	Talbot	10	12	76.6	-0.9	88	1	57	8	5.23	-0.28	1.75	Jun 30	0	11
Perry Point	Cecil	40	8							2.47		0.74	14-15	0	9
Picardy†, 3 miles NE	Allegany	1,030	22	74.4	+0.4	92	5†	50	10	1.80	-1.64	0.30	13†	0	9
Prettyboy Dam†	Baltimore	780	18	76.2	-1.0	92	20	55	2	4.38	+0.12	1.65	21	0	8
Ridgely	Caroline	67	58	76.5	+0.1	92	27	52	8	5.96	+1.38	1.86	13-14	0	10
Salisbury	Wicomico	10	42	77.4	+0.7	92	5†	52	8	5.15	+0.94	1.10	14-15	0	16
Sines' (Deep Creek)†	Garrett	2,080	24	69.0	+1.6	89	5	46	2	7.64	+3.10	3.29	3-4	0	16
Snow Hill	Worcester	20	33	75.7	-0.2	91	5†	50	8	3.57	-1.11	1.32	14	0	10
Solomons	Calvert	50	57	79.0	+0.3	92	21†	60	8	6.86	+2.28	4.54	14-15	0	12
Takoma Park, No. 1	Montgomery	320	50	76.4	+0.8	98	6	56	9	3.19	-1.13	1.11	13-14	0	12
Takoma Park, No. 2†	do	230	10	75.8	+0.6	92	5†	53	9	2.95	-1.77	0.86	13-14	0	12
Tonoloway†	Washington	550	24	73.8	+0.3	95	30	47	10	0.91	-2.51	0.30	17-18	0	6
Unionville	Frederick	450	9	72.2		93	5	49	9	4.36		0.91	17	0	16
Western Port	Allegany	1,000	55	72.7	-0.9	92	30	50	2†	4.73	+1.03	2.19	3-4	0	15
Westminster	Carroll	770	39	74.6	-0.4	92	5†	53	8	4.12	+0.11	0.88	6	0	13
White Hall	Baltimore	350	2							2.66		0.55	14-15	0	14
Williamsport, 2 mi. NW	Washington	360	10							0.60	-2.53	0.17	23	0	11
Woodstock	Baltimore	415	79	74.4	-0.7	93	5†	50	9	2.82	-1.13	0.80	19	0	17
<i>Dist. of Columbia</i>															
Washington ¹ *		72	78	78.4	+1.6	95	5	58	9	3.60	-1.11	2.06	13-14	0	9
<i>Delaware</i>															
Sussex	New Castle	45	58	75.6	-0.3	91	5†	50	8	7.14	+2.05	2.20	13-14	0	10
Delaware City, 14 mi. SW	New Castle	15	62	76.2	-0.4	90	6	55	8	2.05	-1.71	1.15	Jun 30	0	6
Dover	Kent	34	61	76.4	-0.2	92	1	54	8	4.44	-0.28	1.21	30-1	0	11
Georgetown	Sussex	60	3	75.8		92	27	49	8	5.05		1.30	14-15	0	8
Lewes	do	10	4	75.3		94	27	51	8	5.99		1.28	6-7	0	12
Milford	Milford	20	53	77.4	+0.6	95	27	53	8	5.17	+0.67	2.70	13-14	0	9
Millsboro	do	20	56	76.6	+0.3	95	27	49	8	4.85	+0.06	1.18	14-15	0	8
Newark ¹ , 14 miles SW	New Castle	110	17												
Smyrna	Kent	110	1	75.0	+0.2	91	5†	53	8	2.70	-2.07	0.96	14	0	8
Wilmington Airport	New Castle	45	36	76.2		91	31	54	10	2.22		1.00	Jun 30	0	7
Wilmington	do	73	1	75.7		91	51	56	8	1.15		0.37	14	0	9
Wilmington ¹ , 5 mi. NE	do	42	55							1.95	-2.81	0.63	30-1	0	7
Means and extremes:		260	37	78.4	-1.2	90	5	56	16	1.87	-3.00	0.71	14	0	6
For Maryland and District of Columbia				75.5	+0.1	99	30	44	2	3.57	-0.72	4.54	14-15	0	11
For Delaware				76.0	-0.1	95	27	40	8	3.77	-0.89	2.70	13-14	0	8
For entire section				75.5	0.0	99	30	44	2	3.60	-0.73	4.54	14-15	0	11

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 (+). T. Trace or 0.005 inch or less rain or melted snow. * Recording gage. ** Data interpolated. Elevations are of ground above mean sea level.

** Post addresses of these stations are as follows: Of Bell, Glenndale; of Blackwater, Cambridge; of Charlotte Hall, Mechanicsville; of Coleman, Worton; of Edgemont, Smithsburg; of Ferry Landing, Owings; of Great Falls, Bethesda; of Picardy, Paw Paw, W. Va.; of Prettyboy Dam, Parkton; of Sines, Oakland; of Takoma Park No. 2, Silver Spring; of Tonoloway, Hancock. *Custom House, Gay, and Water Sts. **Weather Bureau Building, 24th and M Sts. †Also on other dates. §§ Municipal Building, Silver Spring; 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. 11.8 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, Conowingo Dam, 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. Italicized Data interpolated.

Daily Precipitation for July 1948

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon.
preceding 24-hours. ³Data for 24-hours ending at 1:30 a.m. of following day.
T. Trace or 0.005 inch or less. *Included in next measurement. *ITALICS* Data
interpolated. †First-order Weather Bureau station. ||Water Pumping Station. |||University Farm. §Municipal Building. §§Porter Reservoir. ⁴Midnight to midnight

Daily Temperatures for July 1948

Stations (Delaware)	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	Mean	
Bridgeville	Maximum ...	86	80	86	88	91	91	88	80	83	85	86	89	90	80	76	80	80	89	91	89	90	91	90	82	82	85	91	87	89	86	91	86.2
	Minimum ...	71	59	59	65	64	67	63	50	53	53	63	64	70	72	67	58	66	64	68	67	69	74	69	61	68	70	71	69	71	70	65.0	
Delaware City	Maximum ...	89	78	83	87	89	90	89	83	83	83	85	87	85	88	82	80	78	88	85	85	89	88	86	87	83	85	86	87	89	88	86	85.5
	Minimum ...	68	65	65	67	70	68	60	55	60	64	66	66	73	70	65	66	64	72	70	66	69	71	71	70	64	64	72	73	70	71	71	67.0
Dover.....	Maximum ...	92	82	83	88	90	90	90	84	84	84	86	90	90	86	82	80	80	89	89	89	88	90	81	82	84	85	80	87	88	87	89	86.5
	Minimum ...	69	61	63	67	68	70	62	54	58	56	65	67	71	71	66	58	66	69	67	68	69	75	70	69	62	61	73	71	72	71	66.4	
Georgetown.....	Maximum ...	86	80	85	87	90	91	90	81	83	83	86	89	90	85	75	79	87	90	90	90	90	87	90	82	86	92	88	88	90	86.4		
	Minimum ...	69	58	59	65	65	72	62	49	52	52	62	65	69	70	67	56	64	68	67	68	70	75	71	69	60	56	72	70	70	75	65.1	
Lewes.....	Maximum ...	85	76	84	84	91	90	72	79	82	84	88	89	80	74	78	80	87	88	88	91	90	90	83	80	85	94	90	88	90	84.7		
	Minimum ...	68	63	59	68	67	69	63	51	54	56	64	66	70	70	66	63	62	69	67	68	69	72	71	69	60	59	74	72	69	71	65.9	
Millsboro	Maximum ...	92	82	86	87	92	92	85	81	83	85	90	91	93	86	75	83	81	89	91	90	93	90	92	83	89	95	91	89	91	87.7		
	Minimum ...	66	52	58	66	64	67	61	49	51	52	63	64	67	72	72	58	63	68	68	70	72	77	72	71	68	58	74	73	72	72	65.6	
(Newark..... (Urmyer Farm))	Maximum ...	84	79	84	90	91	89	79	88	87	88	87	89	88	81	82	78	78	89	87	86	89	91	86	82	83	87	85	88	91	85	85.6	
	Minimum ...	68	59	60	64	64	67	70	62	53	54	54	61	61	72	69	68	54	65	71	67	65	71	70	67	57	55	71	72	65	66	70	64.3
Smyrna	Maximum ...	86	80	86	90	90	90	73	82	85	85	84	90	90	88	81	80	80	90	86	89	88	88	89	82	85	86	90	88	90	89	86.0	
	Minimum ...	70	58	60	66	70	70	63	55	58	54	68	65	73	71	68	57	68	68	67	68	72	72	71	61	63	75	72	66	72	73	64.4	
Wilmington..... (Porter Reservoir)	Maximum ...	85	78	82	89	90	88	73	88	85	82	85	88	87	81	81	80	78	87	85	85	89	86	88	80	82	84	85	87	88	81	88.9	
	Minimum ...	66	63	68	65	70	68	59	57	58	62	65	65	72	69	63	56	63	71	68	67	67	70	69	68	61	61	71	72	69	70	65.7	

CLIMATOLOGICAL DATA: MARYLAND AND DELAWARE SECTION

JULY 1948

Daily Temperatures for July 1948—Continued

Stations (Maryland)	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	Mean	
Aberdeen.....	84	80	83	88	91	91	72	83	85	84	87	90	88	80	82	82	80	90	85	86	90	89	88	85	81	83	88	87	89	88	85	85	85
Maximum	84	80	82	85	88	91	72	83	85	84	87	90	88	80	82	82	80	90	85	86	90	89	88	85	81	83	88	87	89	88	85	85	
Minimum	63	60	62	65	68	69	59	56	55	53	52	63	70	68	62	57	66	68	71	66	66	68	70	57	55	55	52	53	55	52	55	64.5	
Annapolis.....	85	81	88	92	91	72	75	80	81	83	85	76	78	80	86	88	84	85	86	88	82	80	86	85	87	86	85	87	86	86	83.4		
Maximum	85	81	88	92	91	72	75	80	81	83	85	76	78	80	86	88	84	85	86	88	82	80	86	85	87	86	85	87	86	86	83.4		
Minimum	70	64	67	72	74	68	64	62	63	65	67	72	72	70	68	71	72	74	74	76	76	72	65	68	75	73	70	75	70	70	70.2		
Baltimore (U.S.W.B.)....	84	83	86	89	95	93	75	81	83	85	89	91	89	78	82	85	91	86	88	90	92	87	83	85	90	88	90	89	82	92	86.5		
Maximum	84	83	86	89	95	93	75	81	83	85	89	91	89	78	82	85	91	86	88	90	92	87	83	85	90	88	90	89	82	92	86.5		
Minimum	69	62	70	73	76	74	67	64	64	66	73	75	73	71	67	74	74	74	74	76	76	72	65	66	76	73	70	74	71	71	70.9		
Baltimore Airport.....	85	82	88	90	95	93	75	82	84	84	88	91	90	78	83	84	89	91	86	88	83	87	83	84	88	89	88	91	93	92	85		
Maximum	85	82	88	90	95	93	75	82	84	84	88	91	90	78	83	84	89	91	86	88	83	87	83	84	88	89	88	91	93	92	85		
Minimum	69	63	68	70	74	68	64	63	67	62	66	70	73	72	64	72	72	73	72	76	74	72	60	66	74	71	71	74	71	69.4			
Bell.....	85	83	86	88	94	91	91	81	82	85	89	90	91	83	80	82	86	89	89	90	92	82	83	84	89	90	91	90	91	90	87.7		
Maximum	85	83	86	88	94	91	91	81	82	85	89	90	91	83	80	82	86	89	89	90	92	82	83	84	89	90	91	90	91	90	87.7		
Minimum	65	52	57	65	66	69	62	52	50	54	54	61	70	68	56	63	66	66	68	67	63	66	66	68	53	54	72	70	64	73	63		
Beltsville.....	84	81	86	89	94	93	78	80	82	84	88	90	90	78	80	81	88	90	86	88	87	89	90	80	88	89	87	90	90	86	86.0		
Maximum	84	81	86	89	94	93	78	80	82	84	88	90	90	78	80	81	88	90	86	88	87	89	90	80	88	89	87	90	90	86.0			
Minimum	67	57	61	65	66	71	63	54	50	52	59	65	71	71	68	66	63	64	65	66	69	67	65	55	71	70	63	67	64.0				
Blackwater.....	91	80	85	90	92	92	81	81	85	87	87	88	88	78	81	89	91	90	86	90	89	87	84	80	89	88	86	87	85	86.5			
Maximum	91	80	85	90	92	92	81	81	85	87	87	88	88	78	81	89	91	90	86	90	89	87	84	80	89	88	86	87	85	86.5			
Minimum	73	65	73	71	73	75	67	53	57	62	74	74	76	75	70	71	72	70	72	74	65	64	64	73	72	71	73	71	73	69.7			
Cambridge.....	83	74	85	89	89	90	74	79	83	85	85	89	89	79	81	88	89	87	87	88	89	87	87	80	88	88	87	87	84	88.4			
Maximum	83	74	85	89	89	90	74	79	83	85	85	89	89	79	81	88	89	87	87	88	89	87	87	80	88	88	87	87	84	88.4			
Minimum	69	61	59	66	72	67	60	51	54	56	65	71	67	62	61	66	70	68	69	69	65	63	59	71	71	71	71	71	71	65.7			
Charlotte Hall.....	84	79	85	88	91	91	88	79	81	85	88	90	90	78	78	81	90	90	90	92	90	88	87	87	88	91	91	86.5	86.5	86.5			
Maximum	84	79	85	88	91	91	88	79	81	85	88	90	90	78	78	81	90	90	90	92	90	88	87	87	88	91	91	86.5	86.5	86.5			
Minimum	70	58	61	68	70	71	64	54	53	58	65	68	71	60	67	62	68	67	69	67	67	69	67	62	60	72	70	67	66	64.1			
Cheltenham/.....	84	80	86	89	94	92	92	80	84	88	91	92	92	88	83	88	91	92	89	90	91	86	87	89	90	92	90	86.1	86.1	86.1			
Maximum	84	80	86	89	94	92	92	80	84	88	91	92	92	88	83	88	91	92	89	90	91	86	87	89	90	92	90	86.1	86.1	86.1			
Minimum	68	58	59	67	70	70	63	55	52	56	63	66	71	61	57	69	63	67	69	63	67	69	67	60	66	70	66	67	65.8				
Chestertown.....	87	82	85	90	91	92	73	78	87	85	88	91	91	87	83	88	91	91	86	88	87	88	85	86	88	87	86	87	86	86.9			
Maximum	87	82	85	90	91	92	73	78	87	85	88	91	91	87	83	88	91	91	86	88	87	88	85	86	88	87	86	87	86	86.9			
Minimum	67	60	63	68	71	71	61	55	59	58	66	69	71	67	61	68	69	71	65	67	69	67	65	66	68	67	66	68	66.8				
Chewsville.....	81	80	84	90	93	90	75	80	81	83	88	89	86	80	83	89	90	84	82	89	88	89	87	89	89	87	89	89	87	85.3			
Maximum	81	80	84	90	93	90	75	80	81	83	88	89	86	80	83	89	90	84	82	89	88	89	87	89	89	87	89	89	87	85.3			
Minimum	64	52	56	64	64	69	68	64	56	51	53	64	71	69	64	66	63	63	64	68	62	61	67	63	60	67	63	60	67	64.2			
Clear Spring.....	79	84	80	92	94	99	76	81	83	86	90	92	94	81	83	88	90	88	82	89	86	83	82	84	87	82	87	82	87	82.7			
Maximum	79	84	80	92	94	99	76	81	83	86	90	92	94	81	83	88	90	88	82	89	86	83	82	84	87	82	87	82	87	82.7			
Minimum	64	56	64	69	69	76	66	56	53	55	67	68	71	60	57	65	66	63	61	64	65	67	63	60	68	67	63	60	68	64.9			
Coleman.....	87	84	86	92	96	92	78	86	87	90	94	95	79	82	85	84	86	89	81	84	86	87	84	85	86	87	84	85	86	87.2			
Maximum	87	84	86	92	96	92	78	86	87	90	94	95	79	82	85	84	86	89	81	84	86	87	84	85	86	87	84	85	86	87.2			
Minimum	69	51	59	65	67	67	65	53	52	55	59	64	71	61	56	63	63	60	59	62	63	60	59	61	65	63	60	61	63	61.9			
College Park.....	84	83	86	88	88	93	89	82	84	85	90	95	95	80	85	81	87	84	89	88	87	85	84	85	86	87	84	85	86	87.3			
Maximum	84	83	86	88	88	93	89	82	84	85	90	95	95	80	85	81	87	84	89	88	87	85	84	85	86	87	84	85	86	87.3			
Minimum	68	58	63	67	70	70	63	55	52	55	61	67	72	60	57	63	63	60	59	62	61	59	58	60	59	58	59	58	59	60.6			
Conowingo Dam.....	82	80	83	87	93	91	74	82	83	87	90	95	95	80	85	82	87	84	89	88	87	85	84	85	86	87	84	85	86	87	84.9		
Maximum	82	80	83	87	93	91	74	82	83	87																							