CLIMATOLOGICAL SUMMARY

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH
GEORGIA DEPARTMENT OF AGRICULTURE

WARRENTON, GEORGIA

NARRATIVE CLIMATOLOGICAL SUMMARY

Warrenton is located in eastern Georgia, in the northern part of the East Central Climatological Division. It is the County Seat of Warren County, which is located just north of the Fall Line in the Piedmont Plateau Province. The land is mostly rolling and the soil is a grayish-brown sandy loam to clay loam. About one-half the land area of the county is in woodland, with harvested cropland and pastures making up most of the remainder. Field crops account for three-fourths of the total value of farm products, with cotton the leading money crop.

Warrenton's summers are moderately warm, but long periods of excessive heat occur infrequently. Three out of five days in June, July and August will usually experience a maximum temperature of 90°F or above, with a few days in May and September also likely to reach this value. The temperature reaches or exceeds 100°F during about two out of every three years, with the average number of occurrences for all years being about four. During the unusually hot summers of 1931 and 1954, there were 17 days on which the temperature reached or exceeded 100°F. The highest temperature of record is 108°F, which occurred in September 1925.

Autumn is, in many ways, the most pleasant time of year, especially from mid-September to early November, when long periods of mild sunny weather are common. After the first part of November, cold snaps that drop early morning temperatures to freezing or below occur with increasing frequency. The last freezing weather normally occurs around March 20. Throughout the winter, periods of mild open weather occur between the cool spells and are usually of longer duration. The number of days with freezing temperature averages 39 and a temperature as low as 20°F may normally be expected on about three days. Spring is usually quite windy and shows a gradual transition from winter to the warm days of summer.

Warrenton's rainfall average is greater than the average for the East Central Division and is fairly evenly distributed throughout the year. No month averages more than five inches and only October and November average slightly under three inches of rain. The total rainfall is generally ample, but damaging dry spells are not uncommon and are most likely in late summer and autumn. The annual rainfall has varied from 79.31 inches in 1929 to 28.89 inches in 1954. Monthly extremes are 12.30 inches in September 1929 and a trace in November 1931. A rain that produces one inch or more in 24 hours occurs, on the average, about 12 times per year and is most likely in March and least likely in May.

Measurable snowfall has occurred in Warrenton during only seven of the last thirty years, with a trace being recorded in eight other years. The greatest amount during this period was 4.5 inches in January 1936.

The occurrence of only one tornado has been officially recorded in Warren County. This was in April 1957, when a storm moved from near Warrenton through adjoining McDuffie County and hence into Columbia County. There were no deaths and only moderate damage.

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Weather Bureau Office
Athens, Georgia

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU
IN COOPERATION WITH GEORGIA DEPARTMENT OF AGRICULTURE
CLIMATOGRAPHY OF THE UNITED STATES NO. 20 — 09

CLIMATOLOGICAL SUMMARY

LATITUDE 33° 24' N
LONGITUDE 82° 40' W
ELEV. (GROUND) 500 feet

STATION Warrenton, Georgia

MEANS AND EXTREMES FOR PERIOD 1928-1957

Month	Temperature (°F) Means: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	** Mean degree days	Precipitation Totals (Inches): Mean	Greatest daily	Year	Snow, Sleet: Mean	Maximum monthly	Year	Greatest daily	Year	Mean number of days: Precip. .10 inch or more	Temperatures: Max. 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Month
(a)	30	30	30	30		30		30	30	30		30	30		30		30	30	30	30	30	
Jan.	58.6	37.7	48.2	82	1949+	6	1928	530	3.83	4.75	1936	0.3	4.5	1936	4.5	1936	7	0	*	11	0	Jan.
Feb.	60.8	38.6	49.7	83	1930	12	1943	440	4.25	3.15	1929	T	0.5	1947	0.5	1947	7	0	*	8	0	Feb.
Mar.	67.2	44.0	55.6	90	1929	15	1943	330	4.91	4.66	1929	T	0.5	1947	0.5	1947	8	*	0	4	0	Mar.
Apr.	75.7	51.4	63.6	90	1957+	28	1950+	90	4.12	3.30	1938	0	0		0		6	*	0	*	0	Apr.
May	83.5	59.8	71.7	100	1941	38	1940	10	3.17	4.10	1953	0	0		0		6	6	0	0	0	May
June	89.8	67.4	78.6	107	1931	47	1956	0	3.50	2.35	1932	0	0		0		7	16	0	0	0	June
July	90.9	70.1	80.5	106	1952+	57	1951	0	4.45	3.70	1939	0	0		0		8	19	0	0	0	July
Aug.	89.9	69.3	79.6	105	1954	55	1930	0	4.25	5.60	1940	0	0		0		7	17	0	0	0	Aug.
Sept.	84.7	64.5	74.6	103	1931	44	1949+	0	3.89	6.20	1929	0	0		0		6	8	0	0	0	Sept.
Oct.	75.9	53.1	64.5	99	1954	26	1952	90	2.81	6.00	1929	0	0		0		4	*	0	*	0	Oct.
Nov.	65.3	42.7	54.0	85	1950	9	1950	330	2.84	3.46	1942	T	0.4	1950	0.4	1950	5	0	0	5	0	Nov.
Dec.	58.0	37.2	47.6	80	1931	12	1937	540	4.06	3.50	1943	0.1	1.8	1935	1.8	1935	7	0	0	11	0	
Year	75.0	53.0	64.0	107	1931	6	1928	2360	46.08	6.20	1929	0.4	4.5	1936	4.5	1936	78	66	*	39	0	Year

(a) Average length of record, years.

T Trace, an amount too small to measure.

** Base 65°F (estimated from mean temperature)

+ Also on earlier dates, months, or years.

* Less than one half.

Average Temperature (°F)

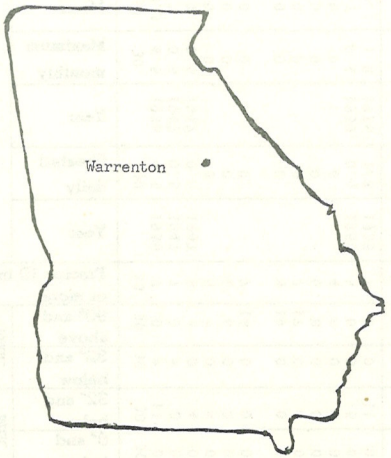
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1928	46.2	47.4	56.0	61.2	69.0	76.7	80.4	79.7	73.1	67.0	54.2	47.6	63.3
1929	49.3	47.7	59.6	66.2	71.5	76.2	79.6	80.0	74.3	62.3	55.4	46.3	64.0
1930	47.8	53.5	51.3	65.4	74.1	77.2	82.8	78.6	77.8	61.6	52.4	43.0	63.8
1931	44.8	48.6	49.8	61.5	68.4	80.8	83.2	78.8	79.2	67.0	59.8	54.2	64.7
1932	55.6	55.8	52.8	63.8	70.8	78.9	83.5	80.3	75.4	64.5	51.4	51.0	65.3
1933	52.4	49.2	56.2	62.4	76.1	79.8	79.8	80.4	78.4	65.1	53.4	55.0	65.7
1934	49.0	43.4	53.4	63.8	70.2	80.2	82.9	81.2	76.8	64.9	56.4	44.6	63.9
1935	47.2	47.2	61.0	64.0	72.8	78.7	80.7	80.4	74.2	65.6	56.8	39.8	64.0
1936	42.8	44.8	59.3	61.6	74.3	79.1	82.5	80.4	76.4	67.1	52.9	50.0	64.3
1937	56.4	48.7	53.7	61.8	72.6	80.4	80.3	79.6	72.0	61.8	50.7	46.1	63.7
1938	47.1	54.0	61.5	63.3	72.7	76.0	78.5	81.4	74.4	64.0	57.0	47.0	64.7
1939	49.4	54.0	58.7	62.8	70.5	80.4	80.4	77.9	75.8	66.1	51.0	47.6	64.6
1940	35.3	46.4	53.1	61.6	69.4	78.0	77.8	78.4	72.4	64.0	54.2	50.6	61.8
1941	46.9	42.4	49.3	65.4	73.4	78.7	80.2	80.2	76.2	70.6	54.4	49.6	63.9
1942	45.8	43.2	55.0	64.8	70.8	78.8	80.8	78.1	74.6	64.7	56.9	47.2	63.4
1943	49.1	49.6	53.4	63.0	72.8	81.0	79.9	80.6	71.9	62.4	52.9	47.2	63.6
1944	45.8	53.2	55.6	62.4	72.7	81.1	78.9	----	----	63.6	52.4	43.4	----
1945	46.0	51.4	64.3	66.7	68.4	79.4	----	----	77.6	62.6	56.0	41.6	----
1946	48.5	51.3	61.4	65.3	70.3	77.0	79.0	78.5	72.6	64.4	59.8	51.4	65.0
1947	50.1	42.4	48.0	66.6	70.8	76.1	76.6	78.3	74.3	67.2	50.7	46.5	62.4
1948	41.0	49.2	59.0	66.8	71.5	78.6	79.4	76.8	71.6	59.9	57.6	49.0	63.3
1949	53.4	53.2	53.9	59.9	71.5	76.3	81.0	78.7	72.2	67.7	51.7	48.1	63.9
1950	55.7	51.1	51.6	60.2	73.2	79.0	78.4	77.9	71.9	66.7	50.4	42.5	63.2
1951	47.7	49.4	55.5	61.7	70.3	78.6	80.8	81.5	75.5	66.7	51.2	49.7	64.1
1952	52.9	50.6	54.7	61.9	72.8	82.6	84.1	79.7	72.6	60.4	54.7	46.1	64.4
1953	49.8	50.5	57.1	61.3	74.5	78.6	80.1	79.1	73.2	64.9	52.5	46.8	64.0
1954	48.5	53.0	55.7	67.4	66.2	79.0	82.5	82.8	78.4	65.0	51.5	45.5	64.6
1955	45.4	50.5	58.3	66.3	73.5	73.8	79.9	80.3	74.6	62.5	52.9	45.4	63.6
1956	44.7	52.9	55.0	61.7	73.1	78.0	80.4	80.8	71.9	64.4	53.0	56.1	64.3
1957	49.2	57.0	53.7	66.3	72.0	78.0	79.4	78.9	75.4	60.1	55.9	47.9	64.5

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1928	1.29	4.82	4.89	6.63	4.90	7.07	4.90	10.28	6.71	3.70	0.48	2.56	58.23
1929	4.29	10.93	10.82	3.25	5.03	7.17	2.52	1.47	12.30	10.42	6.15	4.96	79.31
1930	4.74	0.57	4.61	1.72	1.15	3.40	7.98	1.70	5.43	2.38	5.50	2.84	42.02
1931	3.20	2.82	1.95	2.89	5.00	0.71	4.86	3.18	0.97	0.81	T	5.81	32.20
1932	7.39	4.69	4.79	2.04	2.03	5.35	2.01	2.92	1.47	3.20	4.11	5.19	45.19
1933	2.46	5.77	2.14	2.36	3.14	1.79	4.96	4.00	3.54	3.39	0.53	1.32	35.40
1934	2.61	4.07	5.26	8.71	3.76	3.56	4.25	2.75	1.83	5.08	1.08	3.40	46.36
1935	3.19	1.92	3.61	5.81	1.48	2.41	5.48	6.17	2.09	0.54	3.07	3.52	39.29
1936	10.32	4.98	3.81	10.68	0.03	4.02	4.34	7.69	2.33	2.47	2.35	5.79	58.81
1937	6.18	5.94	2.56	8.53	1.92	6.20	3.62	4.99	1.74	4.15	0.98	2.21	49.02
1938	1.32	1.17	2.13	8.97	2.95	4.34	2.89	2.46	3.64	0.47	2.59	3.18	36.11
1939	2.83	10.02	6.07	2.71	2.04	3.50	11.12	6.36	6.08	0.17	1.07	4.52	56.49
1940	4.40	4.94	3.55	2.79	1.30	4.60	5.25	9.33	1.22	0.96	6.32	3.19	47.85
1941	2.85	2.55	4.17	1.88	0.36	7.00	4.26	5.14	1.36	3.42	1.24	5.90	40.13
1942	3.55	3.83	8.11	1.14	3.83	2.63	3.95	3.20	5.41	1.53	3.53	4.46	45.17
1943	5.94	1.37	6.99	3.19	3.34	3.25	4.72	2.62	1.88	0.23	1.82	4.73	40.08
1944	4.29	6.91	10.02	6.29	1.64	0.90	3.43	6.77	1.11	2.79	1.65	1.44	47.24
1945	2.19	4.05	1.68	3.90	1.78	2.20	6.62	3.14	3.99	1.65	1.82	7.83	40.85
1946	3.57	2.42	3.05	5.35	3.77	2.20	2.98	2.02	2.96	6.62	2.58	0.89	38.41
1947	6.72	1.61	7.44	3.66	3.17	2.83	2.69	6.42	2.87	3.81	8.68	6.32	56.22
1948	4.97	6.50	7.13	3.11	4.85	2.83	6.04	6.12	7.14	3.83	9.35	5.21	67.08
1949	1.28	5.45	1.20	4.95	4.83	5.75	1.88	6.29	2.90	4.04	0.44	2.64	41.65
1950	1.44	1.96	5.47	0.57	5.28	1.09	6.18	2.00	3.63	3.30	1.25	3.24	35.41
1951	2.83	1.96	4.77	2.60	0.58	4.33	2.77	2.43	2.98	1.58	3.48	5.86	36.17
1952	1.72	3.82	9.23	2.29	2.60	5.76	0.71	3.51	5.31	1.63	1.32	4.47	42.37
1953	4.25	6.48	4.20	2.42	9.06	3.35	5.97	3.13	6.00	0.82	0.96	8.74	55.38
1954	1.55	2.02	3.61	2.50	4.83	1.29	2.46	1.61	2.50	0.65	3.27	2.60	28.89
1955	6.24	2.82	2.74	5.61	3.92	2.25	5.77	1.67	2.55	2.57	3.39	0.68	40.21
1956	1.78	7.67	6.23	4.35	1.71	0.93	3.97	3.80	6.81	1.80	0.42	4.66	44.13
1957	5.57	3.32	4.93	2.79	4.68	2.30	5.00	4.42	8.02	6.22	5.87	3.72	56.84

STATION HISTORY

Warrenton's first official weather station was established on April 1, 1914 when an already existing station was moved from Camak three and one-half miles to the north-northeast. The record at Warrenton has usually been considered a continuation of the Camak record; but, due to the distance between the two sites, and a difference in elevation of about 70 feet, the records are not entirely compatible.

The Warrenton station has been located continuously within the City limits. It has had only two minor relocations since its establishment in 1914. The latitude and longitude have remained the same as shown in the heading of this summary and the only change in elevation was from 525 to 500 feet in 1916. The station has always been known as Warrenton.

Only three observers have served at Warrenton during the forty-four year history of the station. The first observer was Mr. B. A. Bales, who served from April to November 1914. He was followed by Mr. John T. Scruggs, who continued as observer through December 1915. On January 1, 1916, Mr. L. Monroe Cason began a service to his community and Government which has continued to the present time. Mr. Cason's 42 years of uninterrupted service as cooperative weather observer ranks among the longest in the State. His dependability and spirit of cooperation have been unexcelled throughout this long period. The station is located in the back yard of Mr. Cason's residence on Johnson Street, one-fourth mile east of the Post Office.