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# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

A. J. KNARR

VOL. L ATLANTA, GA., JANUARY 1946 No. 1

## GENERAL SUMMARY

The month averaged moderately above normal in temperature, with largest excesses in the south and east. The coldest weather occurred on the 2d, when minimum temperatures fell below 15° in the north, with 25° to 30° in the south. Unseasonable warmth prevailed from the 3d to 12th, and the warmest days of the month were the 8th or 9th, when maximum temperatures ranged from about 70° in the far north to slightly higher than 80° in some eastern and southern counties. Deficiencies occurred consistently from day to day after the 12th, except slightly above normal near the close of the month. Temperatures fell to freezing or lower during this period quite frequently in northern and west-central counties; elsewhere such occurrences were few.

Precipitation occurred quite frequently, with general rains chiefly within the periods, 6-9th, 10-12th, 15-17th, 20-23d, and 30-31st. The northern section averaged almost double the January normal, while very slightly above normal in the south. Monthly totals exceeded 10 inches at several northeastern and northwestern stations, while less than 3 inches in eastern counties within 100 miles of the coast. Heavy to excessive rainfall about the 6th produced 24 hour falls of 3 inches or more over an area between Lagrange and Clayton, which caused river floods over most of the State. Considerable damage from high waters resulted in the north, where many road bridges, especially around Gainesville, were washed out, with other substantial miscellaneous damages. Losses sustained amounted to probably as much as \$300,000. The crest stage of the Chattahoochee River at Norcross was 27.7 feet on the 8th, which is the highest on record; unusually high stages also occurred on the Etowah and Oostanaula rivers. Little or no damages resulted in rivers of central and southern counties. Snow flurries occurred on the 16th and 24th over northern and west-central counties, leaving a thin layer of less than 0.5 inch depth, except 1 to 2 inches in some far northern districts.—R. L. C.

## TEMPERATURE

The monthly mean temperature from the records of 66 stations was 48.5°, or 1.5° above normal. The highest monthly mean temperature was 56.8° at Brunswick, and the lowest was 41.8° at Clayton. The highest temperature recorded was 84° at Waycross on the 12th. The lowest was 8° at Blairsville on the 2d.

## PRECIPITATION

The average precipitation for the month, 69 stations reporting, was 6.29 inches, or 2.02 inches above normal. The greatest

amount was 14.33 inches at Dahlonega, and the least was 2.00 inches at Savannah Airport. The average number of days with 0.01 inch or more of precipitation was 12. The greatest amount in any 24 hours was 4.30 inches at Clayton on the 5-6th, and at Dahlonega on the 6-7th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.47	3	29.76	5	12.3	35	e.	16	77	61	63	36	634
Augusta .....	30.52	3	29.86	21	6.3	20	s.	5	80	56	63	44	489
Macon .....	30.48	3	29.83	20	8.0	27	se.	5	80	55	61	43	493
Savannah .....	30.50	3	29.85	15	19.6	33	sw.	31	86	59	74	59	376

## COMPARATIVE STATE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	42.6	56	9	10.34	7.78	5.08	7.73	.....	11	13	6	12
1893.....	39.1	53	-1	2.37	2.88	3.27	2.84	.....	6	15	8	8
1894.....	49.6	79	16	5.08	7.75	2.13	3.32	.....	9	11	8	12
1895.....	45.1	79	1	8.38	7.62	8.95	8.32	.....	11	9	9	13
1896.....	44.4	75	5	4.06	4.00	3.86	3.97	0.0	7	11	8	12
1897.....	43.1	77	-1	5.47	2.15	2.01	3.21	0.4	6	11	8	12
1898.....	49.8	83	12	4.23	2.20	1.20	2.54	0.2	8	12	9	10
1899.....	45.1	79	15	4.70	5.75	5.58	5.34	1.5	10	10	3	13
1900.....	44.0	74	5	3.19	2.06	3.29	2.85	0.2	7	15	8	8
1901.....	46.2	80	15	5.74	4.09	4.39	4.74	T.	10	13	9	9
1902.....	44.0	82	10	3.10	1.61	1.07	1.92	T.	7	13	8	10
1903.....	44.5	82	11	3.34	2.78	3.62	3.25	T.	12	8	8	15
1904.....	41.9	76	4	3.48	3.18	4.66	3.77	1.7	9	11	9	11
1905.....	40.6	78	1	4.06	2.18	3.32	3.19	0.4	7	14	7	10
1906.....	47.6	83	16	7.98	5.43	5.25	6.22	1.4	11	11	6	14
1907.....	51.2	84	17	1.07	1.62	1.17	1.29	T.	4	15	9	7
1908.....	44.8	79	12	4.07	5.07	4.66	4.60	0.4	8	14	7	10
1909.....	50.9	84	5	3.30	1.57	1.07	1.98	T.	6	13	8	10
1910.....	45.5	84	13	3.54	3.35	2.28	3.22	0.2	7	14	6	11
1911.....	56.6	85	9	3.28	2.28	1.90	2.49	T.	6	12	6	13
1912.....	41.5	83	0	4.95	6.02	6.84	5.94	1.8	9	12	5	14
1913.....	53.4	84	21	5.44	2.33	2.59	3.47	T.	9	9	8	14
1914.....	47.4	84	14	1.67	2.20	3.20	2.36	0.2	5	16	7	8
1915.....	45.4	81	17	5.66	5.72	6.64	6.01	T.	9	13	6	12
1916.....	53.2	84	10	2.40	1.64	1.83	1.96	T.	7	10	8	13
1917.....	51.3	82	11	5.22	5.35	5.04	5.20	T.	13	10	7	14
1918.....	39.0	83	-3	8.34	5.74	3.42	5.83	1.5	11	12	6	13
1919.....	46.9	79	2	6.53	5.16	3.40	5.03	0.2	8	16	6	9
1920.....	48.3	84	4	6.43	5.23	3.29	4.98	T.	10	12	6	13
1921.....	49.7	78	21	4.34	2.77	1.89	3.00	0.6	8	14	6	11
1922.....	46.7	82	12	6.50	4.43	3.04	4.66	0.2	11	10	6	15
1923.....	51.1	81	18	3.88	4.28	3.83	4.00	T.	7	17	6	8
1924.....	43.3	81	-9	5.96	5.12	5.13	5.40	T.	9	14	4	13
1925.....	47.8	83	12	10.02	12.29	9.96	10.76	T.	12	10	5	16
1926.....	45.3	84	6	7.51	7.57	7.91	7.66	0.5	12	9	6	16
1927.....	48.2	85	4	1.35	0.88	0.41	0.85	0.1	4	17	5	9
1928.....	45.6	83	-5	2.45	1.05	0.94	1.48	0.2	5	16	8	7
1929.....	49.4	85	11	4.94	4.64	5.22	4.93	T.	12	14	6	11
1930.....	47.8	81	8	4.50	4.94	5.52	4.99	1.9	10	12	7	12
1931.....	45.5	78	11	2.90	2.96	2.86	2.91	0.2	7	15	7	9
1932.....	55.0	87	16	7.08	5.65	4.79	5.84	0.0	9	13	9	9
1933.....	52.9	83	14	2.81	3.25	4.48	3.51	0.0	8	13	8	10
1934.....	49.0	82	-10	3.43	2.63	2.01	2.69	0.0	9	14	6	11
1935.....	48.5	84	13	3.76	1.95	2.15	2.62	0.2	8	14	7	10
1936.....	44.0	82	-6	11.90	9.17	6.22	9.10	3.3	13	13	6	12
1937.....	58.1	87	26	10.03	6.65	3.87	6.85	0.0	16	3	8	20
1938.....	47.4	82	8	2.69	1.74	1.61	2.01	T.	9	12	7	12
1939.....	49.6	85	11	5.60	3.23	2.49	3.77	T.	9	16	6	9
1940.....	35.0	74	-17	4.71	4.94	3.68	4.44	4.9	7	16	6	9
1941.....	47.4	79	11	2.46	1.72	1.35	1.85	T.	6	15	6	10
1942.....	45.5	79	-2	3.78	3.48	6.12	4.46	0.1	6	16	7	8
1943.....	49.4	84	9	5.35	6.60	5.01	5.66	T.	8	12	7	12
1944.....	45.4	83	14	3.82	3.92	4.16	3.97	0.1	8	13	7	11
1945.....	46.4	78	19	3.45	2.81	3.60	3.29	T.	10	13	9	9
1946.....	48.5	84	8	9.35	5.52	3.99	6.29	0.2	12	9	8	14
Period.....	47.0	87	-17	4.94	4.08	3.77	4.27	0.4	9	13	7	11

Climatological Data for January 1946

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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Includes sections for Northern, Middle, and Southern Divisions.

The departures from the 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. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. a, b, c, etc. Number of days missing, for example, † b indicates two days missing. ITALICS Data interpolated. ‡ Partly interpolated. † Also on other dates. ‡ Received too late to be included in means and summaries. † Best available used for stations not equipped with recorders. ‡ Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Precipitation for January 1946

Table with columns for Stations, Drainage basins, Day of month (1-31), and Total. Rows are categorized into Northern Division, Middle Division, and Southern Division.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. 2 Measured in the morning; for the preceding 24-hours. 3 Data for 24-hours ending at 1:30 a. m. of following day. T. Trace or 0.005 inch or less. \* Included in the next measurement. ITALICS Data interpolated.

Daily Temperatures for January 1946

Table with columns for Stations (Northern, Middle, Southern Divisions) and days 1-31, plus a Mean column. Rows include stations like Athens, Atlanta Airport, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Station, Data, and days 1-31, plus a Mthly column. Rows include Experiment, Hoggards Mill, Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta -2-27-46-980)

# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

A. J. KNARR

VOL. L ATLANTA, GA., FEBRUARY 1946 No. 2

## GENERAL SUMMARY

The month was rather mild, with temperatures persistently above normal throughout practically the entire month; deficiencies occurred only on the 1-2d, 11th, 15-16th, and 20th, during which there were very few occurrences of hard freezes except in northernmost counties. The coldest weather of the month occurred very generally on the 1st or 2d, when minimum temperatures fell slightly below the freezing point on the coast and in extreme southern counties, with 20° to 25° over most of the State and slightly lower than that in the far north. Rather warm conditions prevailed on the 6th, 13th, 18th, 19th, 23d, and 26th, with highest temperatures ranging between 70° and 80°.

The State average precipitation was 4.22 inches, or about 87% of the February normal. Moderate to very large deficiencies occurred over much of the southern and eastern portions of the State, where monthly totals were mostly less than 3 inches; little more than 1 inch occurred on the coast, while locally around Blakely 4 to 6 inches occurred. More abundant rainfall in far northern counties produced totals of 8 to 10 inches, which were considerably above normal. The chief periods of general rainfall were 6-7th, 8-10th, 13-14th, 18-19th, 23-24th, and 27-28th, in none of which were heavy falls of wide extent. Heaviest rains of 3 to 5 inches occurred on the 9-10th in the Upper Chattahoochee Valley and over portions of the Etowah and Oostanaula rivers, causing substantial river rises that produced moderately above flood stages without much damage in some of these areas. Rains of 2 inches or more occurred on the 19-20th between Blakely and Hawkinsville, which caused only moderate rises in rivers flowing southward from that area. A windstorm, possibly of tornado character, struck near Cedartown on the 13th, damaging 5 homes, destroying 8 barns, and causing other miscellaneous damage.

Rainy weather occurred often enough to hinder much progress in plowing or preparing the land for seeding in northern and central counties; fairly good progress was made in the south and east where early seedings have begun. Abnormal warmth promoted very good growth of early crops; peach and pear trees were exceptionally well advanced by the close of the month.—R. L. C.

## TEMPERATURE

The monthly mean temperature from the records of 67 stations was 50.7°, or 2.0° above normal. The highest monthly mean temperature was 57.7° at Brunswick, and the lowest was 42.6° at Blairsville. The highest temperature recorded was 81° at Camilla on the 9th. The lowest was 14° at Blairsville on the 2d.

## PRECIPITATION

The average precipitation for the month, 71 stations reporting, was 4.22 inches, or 0.63 inch below normal. The greatest

amount was 10.05 inches at Rome, and the least was 1.15 inches at Brunswick Airport. The average number of days with 0.01 inch or more of precipitation was 8. The greatest amount in any 24 hours was 4.25 inches at Ellijay on the 10th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.52	3	29.50	10	12.5	53	w.	10	61	69	44	47	478
Augusta .....	30.51	3	29.51	10	6.3	33	w.	10	69	43	46	74	360
Macon .....	30.52	3	29.58	10	7.6	30	sw.	10	74	40	46	71	374
Savannah .....	30.53	3	29.57	10	10.7	46	sw.	10	77	45	65	69	279

## COMPARATIVE STATE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	51.4	77	18	3.53	3.75	2.86	3.38	.....	7	14	5	10
1893.....	51.8	87	22	7.33	5.30	4.43	5.69	.....	10	7	7	14
1894.....	49.2	81	17	5.18	7.31	8.14	6.88	.....	11	7	8	13
1895.....	38.2	80	-5	2.75	3.07	3.36	3.06	.....	5	12	6	10
1896.....	48.4	79	3	4.04	6.27	6.13	5.48	T.	5	15	7	11
1897.....	51.3	83	16	6.06	7.72	9.28	7.69	T.	10	9	8	7
1898.....	45.7	79	5	0.82	1.00	1.52	1.11	0.2	3	15	7	6
1899.....	44.1	82	-12	8.49	7.56	5.94	7.33	3.9	10	10	6	12
1900.....	44.8	81	0	8.26	8.92	7.61	8.26	0.1	11	9	8	11
1901.....	44.2	76	9	3.47	3.98	5.50	4.32	2.9	7	11	10	7
1902.....	42.2	79	11	8.23	8.19	6.05	7.49	1.4	9	8	9	11
1903.....	49.9	86	9	11.64	8.20	5.62	8.49	T.	10	8	7	13
1904.....	47.3	84	10	3.97	4.09	4.18	4.08	T.	9	9	9	14
1905.....	40.8	81	-8	6.05	7.06	7.23	6.78	1.1	9	9	5	11
1906.....	46.9	78	12	1.18	1.99	3.24	2.14	0.2	6	16	6	6
1907.....	48.5	81	18	4.95	3.61	2.02	3.53	0.2	13	6	9	9
1908.....	44.2	79	9	6.62	6.02	4.65	5.76	0.3	5	15	5	9
1909.....	51.3	85	8	7.94	6.59	3.50	6.01	T.	8	15	7	6
1910.....	46.0	83	8	4.83	5.61	4.15	4.86	0.2	9	11	5	12
1911.....	53.7	85	13	3.54	2.34	1.29	2.89	0.1	6	11	5	12
1912.....	43.6	83	4	6.81	5.44	4.99	5.75	1.8	9	14	5	10
1913.....	49.2	82	17	5.77	4.09	5.10	4.99	T.	8	12	6	10
1914.....	46.0	80	15	3.49	3.88	8.64	5.34	4.3	9	11	6	11
1915.....	48.5	78	19	4.77	3.59	3.79	4.05	T.	7	14	5	9
1916.....	48.8	84	15	5.00	4.17	2.35	3.84	0.4	7	15	5	7
1917.....	48.3	89	0	6.57	4.51	4.62	5.23	0.1	9	12	8	8
1918.....	54.0	90	10	2.30	2.36	1.99	2.22	T.	8	11	7	10
1919.....	48.6	79	18	5.76	7.36	7.76	6.96	0.2	10	10	6	12
1920.....	46.1	77	9	4.73	4.13	5.19	4.68	T.	9	12	5	12
1921.....	51.5	85	20	7.74	4.10	1.52	4.45	0.4	9	12	6	10
1922.....	55.4	86	14	7.05	6.25	5.69	6.33	0.1	10	9	8	11
1923.....	49.1	86	0	6.16	5.32	2.90	4.79	T.	8	13	5	10
1924.....	46.2	84	10	4.44	3.65	3.85	3.98	T.	8	14	5	10
1925.....	53.3	85	12	2.01	1.95	2.36	2.11	T.	7	14	5	9
1926.....	50.6	82	15	4.66	4.55	4.41	4.54	T.	7	15	5	8
1927.....	58.1	87	21	5.61	4.65	3.35	4.54	T.	9	12	5	11
1928.....	48.5	82	7	3.59	4.70	6.83	5.04	0.1	10	12	7	10
1929.....	48.1	86	12	9.35	10.48	6.29	8.71	0.6	11	9	7	12
1930.....	53.2	87	11	1.41	1.57	1.81	1.60	T.	5	19	5	4
1931.....	49.3	79	13	3.39	2.76	2.53	2.89	0.0	7	15	5	8
1932.....	57.0	87	18	5.99	4.08	1.88	3.97	0.0	10	10	8	11
1933.....	49.7	84	0	5.52	5.98	6.01	5.84	T.	12	7	7	14
1934.....	43.9	84	7	4.70	4.12	3.79	4.20	0.8	8	15	5	8
1935.....	48.9	83	10	3.62	2.87	4.11	3.53	T.	8	15	4	9
1936.....	45.5	82	-8	6.76	6.70	6.04	6.50	1.4	11	11	6	12
1937.....	48.6	82	11	5.27	5.19	5.41	5.29	0.2	10	12	7	10
1938.....	54.7	84	17	1.31	0.97	1.07	1.12	T.	5	14	7	7
1939.....	54.2	83	8	9.85	9.61	7.86	9.11	0.0	14	10	5	13
1940.....	46.2	81	12	5.33	4.97	5.71	5.34	T.	10	10	7	13
1941.....	43.5	75	11	1.64	2.40	2.51	2.18	0.1	7	13	6	9
1942.....	43.7	78	8	4.92	4.07	4.60	4.53	T.	8	11	5	12
1943.....	49.7	83	5	2.53	1.52	1.33	1.79	T.	3	17	6	5
1944.....	54.2	87	4	9.70	5.82	4.35	6.62	0.1	15	8	8	13
1945.....	52.2	85	8	6.99	6.51	3.43	5.64	T.	11	9	6	13
1946.....	50.7	81	14	6.65	3.38	2.62	4.22	T.	8	13	8	7
Period.....	48.7	90	-12	5.28	4.84	4.43	4.85	0.4	9	12	6	10



Daily Precipitation for February 1946

Table with columns for Stations, Drainage basins, Day of month (1-31), and Total. Rows are categorized into Northern Division, Middle Division, and Southern Division. Values represent precipitation in inches, with 'T' for trace and '\*' for interpolated data.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. 2 Measured in the morning; for the preceding 24-hours. 3 Data for 24-hours ending at 1:30 a. m. of following day. T. Trace or 0.005 inch or less. \* Included in the next measurement. ITALICS Data interpolated. § Partly interpolated.

Daily Temperatures for February 1946

Table with columns for Stations, 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc., with their daily temperature ranges and monthly means.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, v indicates two days missing. ITALICS Data interpolated. y Partly interpolated.

Evaporation Data

Table with columns for Station, Data, 1-31, and Mthly. Rows include Experiment, Hoggards Mill, and Tifton, showing evaporation and wind movement data for each day and the monthly total.

+ Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. † Estimated. (WB, Atlanta -3-25-46-930)

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

HARRY ARMSTRONG

VOL. L ATLANTA, GA., MARCH 1946 No. 3

## GENERAL SUMMARY

The month averaged considerably higher than normal in temperature; the excess was more than 4° for the State as a whole, with extreme variations of +9° at LaFayette to +1° at Douglas. Abnormal warmth occurred in the periods, 3-8th, 13-18th, and 22-31st, causing rapid growth and development of vegetation, early crops, and fruit orchards. The peak of the month's warmth occurred chiefly on the 30th, also on the 15th at many northern and western stations, with maximum temperatures ranging from 78° in the far north to 87° at 7 localities in the south and east. The most prominent cool weather of the month occurred on the 10th and 11th, when minimum temperatures fell to 25° or slightly lower in the far northeast, with no lower than 40° at several coastal and far southern localities, while most of the remainder of the State had readings of about 30° or slightly higher. Light to moderately heavy frost overspread a large part of the State on the 10th and 11th, but no appreciable injuries to early crops or orchards resulted except in the north where hard freezing occurred.

Precipitation averaged well above normal for the State at large, though most of the central and southeastern sections had moderate deficiencies. Rainfall occurred chiefly in the periods, 7-9th, 14-17th, 20th, 27-29th, and 31st; heaviest daily falls occurred at most stations on the 17th or 28th, following which some rivers, principally in the northern section, rose above flood stage without much damage. Monthly precipitation totals ranged from more than 10 inches in the northeast to less than 3 inches in the section between Augusta and the lower Altamaha River. Rather windy conditions on the 16th affected a large part of the State, and light hail fell in several western communities without causing damage; some light damage occurred at Rome, where heavy hail fell, measuring as large as 1 inch in diameter.

Progress in farm work was very slow in the north, but considerable planting had been accomplished and some crops were beginning to come up by the close of the month in other areas. Soil condition was more than adequate in most districts throughout the month, and growing conditions for early crops and orchards were good to excellent.—R. L. C.

## TEMPERATURE

The monthly mean temperature from the records of 68 stations was 60.8°, or 4.4° above normal. The highest monthly mean temperature was 65.2° at Brunswick, and the lowest was 54.6° at Blairsville. The highest temperature recorded was 87° at seven stations on the 15th, 16th, 26th or 30th. The lowest was 23° at Blairsville on the 10th.

## PRECIPITATION

The average precipitation for the month, 71 stations reporting, was 6.23 inches, or 1.23 inches above normal. The greatest

amount was 11.71 inches at Clayton, and the least was 2.44 inches at Augusta. The average number of days with 0.01 inch or more of precipitation was 9. The greatest amount in any 24 hours was 3.60 inches at Rome on the 9th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7-30 a. m.	1-30 p. m.			7-30 p. m.
Atlanta .....	30.41	11	29.61	28	11.6	42	sw.	30	81	51	57	61	191
Augusta .....	30.42	12	29.64	30	6.6	25	sw.	75	44	44	52	68	128
Macon .....	30.38	11	29.64	30	7.4	42	nw.	16	51	48	55	64	141
Savannah .....	30.41	12	29.63	30	10.7	46	s.	17	79	48	64	62	100

## COMPARATIVE STATE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	52.8	86	11	5.47	7.07	4.10	5.55	.....	8	14	6	11
1893.....	54.1	86	12	3.20	3.46	5.12	3.93	.....	8	13	9	9
1894.....	59.3	92	15	3.11	3.49	3.86	3.49	.....	7	16	11	4
1895.....	54.6	88	19	6.89	7.65	5.77	5.77	.....	9	13	8	10
1896.....	53.2	92	18	2.91	3.01	4.34	3.42	0.1	7	15	10	6
1897.....	58.9	89	23	7.83	8.82	8.27	8.31	0.0	11	7	9	15
1898.....	60.1	90	21	4.73	2.35	1.86	2.98	0.5	6	12	9	10
1899.....	56.2	89	-3	7.79	3.16	2.93	4.63	0.5	9	13	11	7
1900.....	53.1	85	17	6.10	4.06	5.74	5.30	0.1	11	12	9	10
1901.....	53.6	85	10	6.15	6.26	6.18	6.20	0.1	10	12	10	9
1902.....	54.6	86	13	6.41	7.62	10.01	8.01	0.0	14	11	9	11
1903.....	60.5	85	25	8.57	6.25	5.18	6.67	0.0	15	4	10	17
1904.....	57.8	92	20	4.08	2.44	1.77	2.76	0.0	8	9	11	11
1905.....	59.3	88	29	2.06	2.57	3.94	2.86	0.0	6	16	7	8
1906.....	52.1	86	15	9.40	5.99	3.51	6.30	0.0	8	13	8	10
1907.....	64.3	97	32	2.74	1.58	1.32	1.88	0.0	4	18	9	4
1908.....	62.7	90	27	4.62	5.07	4.19	4.63	0.0	6	16	8	7
1909.....	55.9	89	21	8.91	8.63	5.79	7.78	0.0	10	14	9	8
1910.....	60.6	95	20	1.49	1.36	1.97	1.61	0.0	4	21	5	5
1911.....	57.1	94	18	3.18	2.93	3.17	3.09	0.0	6	17	6	8
1912.....	53.8	88	19	9.62	8.70	6.42	8.25	0.0	10	12	5	14
1913.....	56.4	89	21	8.86	10.43	7.73	9.01	0.0	11	11	8	12
1914.....	51.5	89	13	3.08	2.75	2.56	2.80	0.3	7	16	7	8
1915.....	47.6	83	20	2.69	2.45	2.70	2.61	0.4	6	16	7	8
1916.....	53.9	89	15	2.01	2.13	1.71	1.95	0.0	5	18	7	6
1917.....	57.0	89	13	11.30	7.76	4.36	7.81	0.0	11	14	7	10
1918.....	61.5	90	24	1.51	1.14	1.74	1.46	0.0	6	14	9	8
1919.....	58.0	84	26	5.12	3.20	4.60	4.31	0.0	7	16	7	8
1920.....	53.3	91	5	8.54	8.85	4.71	7.37	0.0	9	16	5	10
1921.....	64.4	94	27	1.91	1.33	1.86	1.70	0.0	6	15	7	9
1922.....	57.3	88	20	8.58	10.05	5.89	8.17	0.0	11	13	8	10
1923.....	57.1	88	12	5.34	7.48	5.06	5.96	0.0	11	13	7	11
1924.....	52.1	89	18	3.02	2.87	4.40	3.43	1.9	7	16	5	10
1925.....	58.0	91	9	3.38	1.98	0.79	2.05	0.0	5	20	5	6
1926.....	49.3	83	8	5.37	5.96	5.80	5.71	0.3	8	14	6	11
1927.....	57.7	91	14	4.03	3.15	2.39	3.19	0.9	8	13	8	10
1928.....	56.3	90	18	5.87	6.30	7.06	6.41	0.0	12	12	8	11
1929.....	59.8	94	16	12.01	12.04	6.79	10.28	0.0	9	15	8	8
1930.....	51.9	82	14	4.46	5.91	6.64	5.67	0.0	13	13	6	12
1931.....	50.5	84	19	3.47	2.66	2.94	3.02	0.0	8	16	7	8
1932.....	52.5	88	10	5.50	4.21	3.98	4.56	0.1	8	18	6	7
1933.....	55.8	89	15	3.31	3.37	3.76	3.48	0.0	6	19	6	7
1934.....	54.1	88	10	6.17	5.25	4.76	5.39	0.0	8	15	6	10
1935.....	61.0	95	10	5.26	4.76	3.05	4.36	0.0	9	13	8	10
1936.....	59.0	92	20	4.97	3.87	3.76	4.20	0.0	9	14	9	8
1937.....	53.8	84	16	2.98	3.70	4.39	3.69	0.0	8	17	6	8
1938.....	61.9	91	18	5.84	3.17	2.13	3.71	0.0	7	13	10	8
1939.....	58.8	89	17	5.31	5.43	2.52	4.42	0.0	8	16	8	7
1940.....	53.9	86	17	5.26	4.11	2.73	4.03	0.1	10	14	7	10
1941.....	50.1	82	16	4.63	4.17	4.63	4.48	0.0	10	12	8	11
1942.....	55.0	89	10	8.17	8.96	7.13	8.09	3.1	11	14	7	10
1943.....	54.0	88	3	7.58	9.58	6.54	7.90	0.0	11	13	7	11
1944.....	56.7	88	17	9.84	10.96	10.98	10.59	0.0	12	14	7	10
1945.....	64.3	93	25	3.88	2.43	1.52	2.61	0.0	6	13	10	8
1946.....	60.8	87	23	7.62	5.24	5.82	6.23	0.0	9	13	8	10
Period.....	56.4	97	-3	5.49	5.09	4.42	5.00	0.1	8	14	8	9

Climatological Data for March 1946

Table with columns: Stations, Counties, Elevation, Length of record, Temperature, Precipitation, Number of days, Prevailing direction of wind, Observers. The table is organized into Northern, Middle, and Southern Divisions, each with a 'Division means and extremes' row.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated.





Daily Temperatures for March 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. } Partly interpolated.

Evaporation Data

Table with columns for Station, Data, and days 1-31, and Monthly. Rows include Experiment, Hoggards Mill, and Tifton.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. ‡ Estimated. (WB, Atlanta -5-1-46-930)

# CLIMATOLOGICAL DATA

7

## GEORGIA SECTION

HARRY ARMSTRONG

VOL. L ATLANTA, GA., APRIL 1946 No. 4

### GENERAL SUMMARY

April temperatures for the month as a whole averaged substantially above normal, and there were no extreme warm or cold periods. Excesses were rather large during the first 10 days and again between the 19th and 24th, while deficiencies occurred almost exclusively in the periods, 11-14th, 17-18th, and 26-28th. The month's warmest weather occurred variably on the 3d, 7th, 9th, 20th, or 23d, when maximum temperatures were mostly 85° to 90°. Coolest weather occurred on the 13th, when readings were near or slightly below freezing in the north, with almost as low as 25° locally in the far north-east; low readings in central counties ranged from about 35° to 40°, while mostly 40° to 50° in the south. On the same morning, light to moderately heavy frost overspread the northern and most of the central sections of the State; injuries to growing plants or orchards were light to very moderate, though some peach orchards in the north suffered fairly heavy losses.

Precipitation averaged about 91% of normal and was more than adequate; approximately the same percentage was very evenly distributed over the State, except in the southeast where less than 50% of normal occurred. Monthly totals were least in the southeast, with measurements of 1 to 2 inches or slightly more, and greatest in the extreme southwest, where 4 to more than 6 inches occurred. Rainy conditions predominated over most of the State in the periods, 6-12th, 16-17th, and 25-26th; heaviest falls occurred on the 25th, when 24-hour measurements were 3 to 5 inches in the southwest and much lighter elsewhere in the State.

Temperature conditions were very favorable for crop growth, though night coolness produced a retarding effect several times during the month. Soil moisture remained more than adequate throughout the month; much of the northern and western sections had too much rain for the normal pursuance of planting and other farm operations. Condition and progress of crops at the close of the month was favorable.—R. L. C.

### TEMPERATURE

The monthly mean temperature from the records of 68 stations was 65.4°, or 2.0° above normal. The highest monthly mean temperature was 69.9° at Bainbridge, and the lowest was 58.7° at Blairsville. The highest temperature recorded was 92° at Augusta Airport on the 3d. The lowest was 26° at Blairsville on the 13th.

### PRECIPITATION

The average precipitation for the month, 71 stations reporting, was 3.49 inches, or 0.37 inch below normal. The greatest

amount was 6.59 inches at Blakely, and the least was 1.08 inches at Adel. The average number of days with 0.01 inch or more of precipitation was 8. The greatest amount in any 24 hours was 4.96 inches at Blakely on the 25th.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.38	22	29.58	25	10.4	40	nw.	10	79	47	55	73	102
Augusta .....	30.39	22	29.55	25	6.2	23	s.	16	78	44	49	80	77
Macon .....	30.37	22	29.58	25	6.2	23	nw.	26	80	43	53	77	75
Savannah .....	30.37	22	29.54	26	10.5	36	sw.	25	80	46	61	75	41

### COMPARATIVE STATE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892 .....	63.8	91	29	6.99	0.57	0.28	2.61	.....	3	12	9	9
1893 .....	67.0	94	30	2.23	1.88	3.48	2.53	.....	4	17	9	4
1894 .....	64.1	93	28	2.49	1.94	2.93	2.45	.....	6	17	9	4
1895 .....	62.4	89	24	5.95	4.58	4.33	4.95	.....	8	13	9	8
1896 .....	67.4	94	29	1.90	1.84	1.42	1.72	0.0	4	17	9	4
1897 .....	62.5	93	27	5.54	4.03	3.98	4.52	0.0	7	15	8	8
1898 .....	59.0	89	25	5.34	5.16	3.29	4.60	T.	6	16	8	6
1899 .....	61.3	92	25	3.21	2.73	2.89	2.94	0.1	7	14	9	7
1900 .....	64.2	92	23	6.92	5.14	4.83	5.63	0.0	12	11	12	5
1901 .....	57.2	88	32	5.97	3.88	2.85	4.23	T.	7	14	5	11
1902 .....	61.5	93	27	1.73	2.27	1.54	1.85	0.0	7	13	10	7
1903 .....	60.7	90	25	3.14	3.41	2.61	3.05	T.	9	12	10	8
1904 .....	59.9	92	23	2.16	1.31	1.45	1.64	0.0	5	10	10	10
1905 .....	64.2	92	26	3.20	3.75	3.18	3.38	T.	9	12	10	8
1906 .....	65.1	98	25	1.89	0.84	0.86	1.20	0.0	3	20	7	3
1907 .....	58.0	89	24	4.15	5.78	6.62	5.52	T.	9	11	10	9
1908 .....	67.6	95	27	6.33	8.69	5.77	6.93	0.0	9	12	10	8
1909 .....	63.8	94	27	4.73	3.02	3.55	3.77	0.0	8	15	6	9
1910 .....	62.6	94	29	3.26	3.49	2.95	3.23	0.2	6	17	7	6
1911 .....	63.5	92	29	6.82	3.51	3.34	4.56	0.0	9	13	5	12
1912 .....	65.1	93	28	5.62	7.41	8.72	7.25	0.0	11	13	6	11
1913 .....	62.2	94	32	1.85	1.58	1.21	1.55	0.0	4	19	5	6
1914 .....	64.8	97	27	4.33	2.18	1.65	2.72	0.0	6	16	7	7
1915 .....	65.0	95	25	0.53	0.74	0.66	0.64	0.0	3	22	5	3
1916 .....	62.3	95	25	1.87	1.76	1.87	1.83	T.	5	18	5	5
1917 .....	65.7	97	26	3.63	3.41	2.55	3.20	0.0	7	20	5	5
1918 .....	61.6	93	28	6.05	5.26	5.59	5.63	T.	11	9	9	12
1919 .....	63.7	93	26	2.61	2.05	2.26	2.31	0.0	5	19	5	6
1920 .....	62.6	91	22	8.19	5.93	7.94	7.35	T.	11	11	7	12
1921 .....	63.5	92	24	3.28	2.98	3.87	3.38	0.0	6	17	8	5
1922 .....	66.3	96	28	5.92	3.30	1.50	3.57	0.0	6	15	8	7
1923 .....	63.4	96	16	5.75	3.76	2.27	3.93	0.0	9	13	8	9
1924 .....	63.0	90	23	7.55	5.65	4.96	6.05	0.0	10	14	6	10
1925 .....	67.3	99	26	2.19	1.50	1.51	1.73	0.0	5	19	5	6
1926 .....	61.8	94	24	2.22	2.05	2.58	2.28	0.0	7	17	6	7
1927 .....	67.1	98	26	3.31	1.69	1.20	2.07	0.0	6	15	9	6
1928 .....	60.8	89	27	5.89	8.45	9.43	7.92	T.	10	14	7	9
1929 .....	66.5	94	29	5.33	4.00	3.04	4.12	0.0	9	14	8	8
1930 .....	64.5	93	25	2.07	3.33	4.12	3.17	0.0	5	18	7	5
1931 .....	61.4	89	27	4.47	2.98	2.06	3.17	0.0	8	15	8	8
1932 .....	64.0	94	28	2.78	1.63	1.11	1.84	0.0	6	16	8	6
1933 .....	62.1	89	29	3.48	3.61	5.05	4.05	0.0	10	14	8	7
1934 .....	63.9	94	24	3.92	5.53	2.44	3.96	T.	9	16	7	8
1935 .....	64.4	94	26	6.46	3.52	3.49	4.49	0.0	10	12	9	9
1936 .....	62.1	94	21	9.61	5.52	5.10	7.74	T.	9	15	6	9
1937 .....	62.0	93	24	7.74	7.03	6.11	6.96	0.0	9	17	5	8
1938 .....	63.6	95	22	7.80	9.10	3.74	6.88	T.	8	16	5	9
1939 .....	62.7	89	24	3.43	2.70	4.82	3.65	T.	9	16	8	8
1940 .....	61.6	94	22	3.41	2.75	2.92	3.03	0.0	7	13	7	10
1941 .....	65.4	97	33	2.66	1.87	1.64	2.06	0.0	7	13	8	3
1942 .....	64.1	96	20	1.23	1.63	1.27	1.38	0.0	2	20	7	9
1943 .....	62.7	95	20	5.37	8.57	2.61	3.88	T.	6	17	8	5
1944 .....	62.3	91	19	5.63	7.08	7.88	6.86	0.0	12	13	8	9
1945 .....	66.4	95	22	6.79	6.44	6.91	6.71	0.0	8	15	7	8
1946 .....	65.4	92	26	4.04	3.15	3.27	3.49	0.0	8	16	8	6
Period .....	63.4	99	16	4.38	3.74	3.45	3.86	T.	7	15	8	7

Climatological Data for April 1946

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, Ending Date, Snowfall un-melted), Number of days (Precipitation .01 inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, and Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Also on other dates. † Received too late to be included in means and summaries. § Best available used for stations not equipped with recorders. ¶ Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // Augusta Airport.



Daily Temperatures for April 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows include Experiment, Hoggards Mill, and Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta - 5-29-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

H. ARMSTRONG

VOL. L ATLANTA, GA., MAY 1946 No. 5

GENERAL SUMMARY

The month was rather cool and very wet, as compared with normal, and conditions were somewhat unfavorable for agricultural interests.

Temperatures were consistently below normal during most of the month, especially as to maximum readings, and the month averaged well below normal. Warmest conditions occurred about the 6th, 11th, 15-16th, 24-26th, and 31st, with highest temperatures chiefly on the 25th, when most stations registered 85° to 90°. The highest temperature was 93°, which is unusually low for May; only in May, 1923, of preceding May records have maximum temperatures failed to rise higher than 93°. Lowest temperatures occurred very generally on the 9th, when readings ranged from about 40° in the north to 55° or slightly higher in the south.

Precipitation averaged almost double the May normal to make the month the wettest May since 1923 and one of the three wettest Mays on record. Monthly totals of 7 to 10 inches occurred in far northern counties, also in the southwest and coastal sections; least totals, mostly 2 to 4 inches, occurred over the Savannah River section and over a narrow area from Millen to Tifton. Rain occurred with great frequency and regularity during the first 22 days, after which the only falls were between the 24th and 26th. In relation to thunderstorms on the 26th, a storm of tornadic character struck in the vicinity of Brunswick at about 4:00 p. m., damaging buildings and equipment of the Dixie Paint & Varnish Company for a loss estimated at \$15,000; the storm, apparently, lifted from the ground soon after it struck, since all damage was limited to a very small area.

Weather conditions during the first three weeks seriously retarded the completion of crop plantings, and most crops suffered considerable deterioration, especially cotton, tobacco, vegetables, peanuts, and peaches. The drier weather at the close of the month, however, caused a very favorable reaction, and most crops were indicating fairly good or better quality by the close of the month.—R. L. C.

TEMPERATURE

The monthly mean temperature from the records of 66 stations was 70.5°, or 1.0° below normal. The highest monthly mean temperature was 75.2° at Brunswick, and the lowest was 63.0° at Clayton. The highest temperature recorded was 93° at Folkston on the 25th. The lowest was 33° at Blairsville on the 9th.

PRECIPITATION

The average precipitation for the month, 70 stations reporting, was 6.73 inches, or 3.29 inches above normal. The greatest

amount was 10.72 inches at Camilla, and the least was 1.97 inches at Dover. The average number of days with 0.01 inch or more of precipitation was 13. The greatest amount in any 24 hours was 3.42 inches at West Point on the 20th.

PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches			Wind			Relative humidity			Percentage of sunshine	Degree days		
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.			1:30 p. m.	7:30 p. m.
Atlanta .....	30.16	23	29.70	18	10.0	42	w.	19	87	54	65	64	19
Augusta .....	30.20	23	29.74	18	5.6	19	n.w.	27	80	49	60	76	4
Macon .....	30.19	23	29.74	18	5.5	26	s.w.	19	87	53	63	73	7
Savannah .....	30.20	1	29.77	18	9.1	39	w.	18	88	61	76	57	0

COMPARATIVE STATE DATA FOR MAY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	71.5	97	36	2.12	2.60	1.84	2.19	.....	6	14	10	7
1893.....	70.2	100	38	4.89	3.93	4.08	4.30	.....	8	15	9	4
1894.....	71.4	98	35	2.70	2.56	2.37	2.54	.....	7	14	13	7
1895.....	69.6	99	31	5.39	4.00	3.29	4.23	.....	11	10	12	3
1896.....	76.1	101	47	2.94	2.13	2.39	2.48	0.0	7	16	12	3
1897.....	69.8	98	34	1.25	1.72	1.60	1.52	0.0	4	20	8	3
1898.....	74.2	103	35	1.16	0.98	1.30	1.15	0.0	4	20	9	2
1899.....	75.2	101	41	1.87	1.71	2.09	1.89	0.0	5	18	11	2
1900.....	70.9	95	32	2.94	2.09	2.40	2.48	0.0	8	14	12	5
1901.....	71.5	99	40	6.86	5.41	5.08	5.78	0.0	11	11	13	7
1902.....	75.6	102	41	1.72	2.42	2.85	2.33	0.0	6	14	12	5
1903.....	70.3	103	39	3.11	5.78	7.62	5.50	0.0	12	9	9	13
1904.....	70.6	100	38	2.43	2.28	2.01	2.24	0.0	5	15	10	6
1905.....	74.5	101	46	6.20	3.93	5.12	5.08	0.0	10	13	10	8
1906.....	70.2	99	29	3.64	3.00	6.94	4.53	0.0	8	16	8	7
1907.....	70.3	55	38	4.76	4.24	3.75	4.25	0.0	10	13	10	8
1908.....	72.1	101	34	2.55	2.47	3.10	2.71	0.0	6	16	10	5
1909.....	69.8	98	31	5.26	6.09	2.90	4.42	0.0	9	14	12	5
1910.....	69.7	100	33	6.46	2.94	1.79	3.73	0.0	8	16	7	8
1911.....	72.9	101	36	1.80	2.00	2.65	2.15	0.0	6	19	6	6
1912.....	72.7	101	37	4.35	3.97	3.97	4.10	0.0	9	16	7	8
1913.....	72.0	102	40	3.04	2.18	1.68	2.30	0.0	6	18	8	5
1914.....	72.7	103	36	0.62	0.48	1.13	0.74	0.0	3	21	6	4
1915.....	74.5	102	40	6.23	6.65	7.17	6.68	0.0	10	14	9	4
1916.....	74.1	103	33	3.88	2.05	2.50	2.81	0.0	5	19	8	4
1917.....	66.9	100	30	2.98	2.43	2.87	2.76	0.0	6	19	7	5
1918.....	72.9	102	32	2.08	1.61	1.86	1.85	0.0	5	18	8	5
1919.....	71.3	98	39	3.98	4.02	5.96	4.66	0.0	13	11	9	11
1920.....	69.4	98	40	4.61	4.78	4.03	4.47	0.0	9	12	10	9
1921.....	70.0	101	34	3.49	4.06	4.80	4.12	0.0	8	13	10	8
1922.....	71.8	99	40	7.04	7.00	7.52	7.19	0.0	15	10	9	12
1923.....	68.9	93	30	10.04	9.16	7.20	8.80	0.0	15	9	7	15
1924.....	65.5	98	34	4.99	3.26	3.12	3.79	0.0	9	17	7	7
1925.....	70.0	100	28	1.94	1.56	1.92	1.81	0.0	6	17	7	7
1926.....	71.1	103	40	1.11	1.28	2.64	1.68	0.0	5	19	6	6
1927.....	73.2	104	34	1.85	1.54	1.39	1.59	0.0	6	17	10	4
1928.....	68.8	98	37	6.23	4.19	2.03	4.15	0.0	9	14	9	8
1929.....	71.3	97	34	7.75	5.26	3.95	5.65	0.0	11	12	11	8
1930.....	73.1	98	43	4.29	2.04	1.00	2.44	0.0	7	14	10	7
1931.....	69.1	98	33	3.22	3.60	3.44	3.42	0.0	8	18	7	6
1932.....	70.4	97	37	4.23	2.91	3.82	3.65	0.0	8	17	7	7
1933.....	76.0	101	42	4.18	2.65	1.87	2.90	0.0	7	18	8	5
1934.....	70.5	96	36	4.64	4.65	6.87	5.39	0.0	10	13	9	9
1935.....	72.3	98	33	3.55	2.07	2.88	2.83	0.0	7	16	9	6
1936.....	73.3	100	35	0.75	0.52	2.00	1.09	0.0	4	19	9	3
1937.....	71.9	102	36	2.50	2.15	1.87	2.17	0.0	7	18	9	4
1938.....	72.8	102	38	3.49	3.54	3.38	3.47	0.0	10	13	10	8
1939.....	70.4	96	27	4.48	3.64	4.28	4.12	0.0	11	12	9	10
1940.....	69.3	98	29	2.42	1.81	2.17	2.14	0.0	8	19	8	4
1941.....	72.8	103	29	0.95	0.74	1.01	0.90	0.0	3	22	6	3
1942.....	71.3	95	38	5.49	3.94	3.44	4.29	0.0	8	15	9	7
1943.....	72.8	98	32	3.39	4.38	4.98	4.25	0.0	8	16	8	7
1944.....	72.8	99	30	2.59	1.74	2.11	2.15	0.0	6	17	10	4
1945.....	65.8	102	35	3.33	2.96	2.36	2.88	T.	8	16	8	7
1946.....	70.5	98	33	7.19	5.52	6.77	6.73	0.0	13	10	11	10
Period.....	71.5	104	27	3.76	3.19	3.37	3.44	T.	8	15	9	7

Climatological Data for May 1946

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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Also on other dates. † Received too late to be included in means and summaries. ‡ Best available used for stations not equipped with recorders. \*\* Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // Augusta Airport.





Daily Temperatures for May 1946

Table with columns for Stations, 31 days (1-31), and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division. Each station entry includes Maximum and Minimum temperature values.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. \* , b , c , etc. Number of days missing, for example, \* indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Station, Data, 31 days (1-31), and Monthly. Rows include Experiment, Hoggards Mill, and Tifton, with sub-rows for Evaporation and Wind Movement.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. ‡ Estimated. (WB, Atlanta-6-28-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

H. ARMSTRONG

VOL. L ATLANTA, GA., JUNE 1946 No. 6

GENERAL SUMMARY

The month averaged well below normal in temperature, with deficiencies very evenly distributed over the State. Deficiencies during the month were limited largely to the first week and the last 9 days, the most noteworthy of which occurred soon after the opening of the month. The coolest weather occurred on the 5th or 6th, when minimum temperatures fell mostly within the range of 45° to 60°. The time of greatest warmth was 19-21st, when maximum temperatures were mostly between 95° and 100°; far northern stations had readings of about 90°, while only two stations, Dublin and Eastman, had as high as 100°.

Precipitation averaged but little below the June normal for the State as a whole. Rather large excesses and monthly totals in excess of 5 inches occurred over most of the southeast and over a narrow belt extending from Canton to Blakely; totals fell under 3 inches in the Savannah River Valley and in several widely scattered areas throughout the State. Most of the rains, occurring chiefly on the 1st, 15-17th, 22d, 26-27th, and 29th, were light to moderate and characteristically of the convective or thundershowery type, which led to a very uneven distribution over the State. Heavy daily falls, amounting to as much as 2 inches, were fairly general over northern and western counties on the 1st, with locally heavy falls in scattered areas on six different dates between the 16th and 29th.

Relatively dry weather during the first 14 days was favorable for crop growth and enabled farmers to make good progress in cleaning and cultivating fields. Soil moisture was mostly adequate, with rain occurring frequently enough to produce favorable plant growth. Considerable harvesting of grain, vegetables, and other early crops was done by the close of the month.

R. L. C.

TEMPERATURE

The monthly mean temperature from the records of 70 stations was 76.6°, or 1.6° below normal. The highest monthly mean temperature was 80.1° at Columbus, and the lowest was 69.6° at Blairsville. The highest temperature recorded was 101° at Eastman on the 20th. The lowest was 39° at Blairsville on the 6th.

PRECIPITATION

The average precipitation for the month, 73 stations reporting, was 4.23 inches, or 0.18 inches below normal. The greatest

amount was 8.52 inches at Brunswick, and the least was 1.43 inches at Camp Stewart. The average number of days with 0.01 inch or more of precipitation was 8. The greatest amount in any 24 hours was 4.62 inches at Dawson on the 1st.

PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.29	6	29.76	1	8.4	47	n.	21	80	52	60	67	0
Augusta .....	30.29	6	29.80	2	5.2	17	se.	28	80	45	52	82	0
Macon .....	30.28	11	29.80	2	4.6	20	ne.	14	83	53	59	77	0
Savannah .....	30.28	11	29.80	2	8.7	32	ne.	16	82	60	72	70	0

COMPARATIVE STATE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	77.9	100	54	6.75	5.33	6.26	6.11	.....	12	10	10	10
1893.....	76.6	98	52	5.84	6.02	6.15	6.00	.....	11	12	11	7
1894.....	77.8	104	39	2.37	2.75	3.11	2.74	.....	6	14	13	3
1895.....	78.1	104	43	3.99	3.39	4.22	3.87	.....	8	12	14	4
1896.....	77.7	104	46	2.92	3.27	4.22	3.47	0.0	9	12	11	7
1897.....	80.9	104	47	2.83	3.54	3.81	3.39	0.0	8	13	14	3
1898.....	80.3	103	50	2.89	3.02	3.81	3.24	0.0	7	16	12	2
1899.....	80.2	105	50	2.65	2.05	2.59	2.43	0.0	6	15	11	4
1900.....	76.5	99	53	11.36	9.15	6.71	9.07	0.0	17	1	17	12
1901.....	77.8	103	47	4.67	5.53	5.40	5.20	0.0	12	10	15	5
1902.....	79.6	103	49	2.21	3.14	5.38	3.58	0.0	6	13	13	4
1903.....	74.4	99	41	6.75	5.38	5.99	6.04	0.0	11	10	13	7
1904.....	77.5	103	44	3.08	2.07	3.67	2.94	0.0	7	14	12	4
1905.....	79.0	102	44	3.89	3.22	3.79	3.63	0.0	8	14	11	5
1906.....	78.6	103	55	6.31	6.91	5.92	6.38	0.0	9	14	11	5
1907.....	76.2	101	43	3.62	4.08	5.03	4.24	0.0	7	15	11	4
1908.....	77.6	103	50	3.11	3.63	3.20	3.31	0.0	7	15	11	4
1909.....	78.6	103	55	7.13	5.09	4.19	5.47	0.0	11	9	15	6
1910.....	75.2	101	37	7.17	6.14	8.06	7.12	0.0	13	11	8	11
1911.....	81.0	105	48	2.24	2.81	3.02	2.75	0.0	7	17	9	4
1912.....	75.5	102	42	6.97	7.66	5.72	6.78	0.0	11	11	8	11
1913.....	76.6	104	40	3.93	5.04	5.64	4.87	0.0	10	17	7	6
1914.....	82.2	109	51	2.63	3.31	4.63	3.52	0.0	8	18	7	5
1915.....	77.8	106	43	4.20	4.19	2.98	3.79	0.0	8	17	7	6
1916.....	77.1	101	43	4.24	3.94	4.62	4.27	0.0	10	12	10	8
1917.....	77.4	103	41	3.70	2.83	2.70	3.08	0.0	7	15	11	4
1918.....	78.8	105	47	4.05	3.55	4.59	4.06	0.0	8	13	9	8
1919.....	77.7	101	53	5.60	5.75	6.66	6.00	0.0	12	11	8	11
1920.....	77.6	105	47	3.88	2.49	3.75	3.37	0.0	7	17	8	5
1921.....	80.2	104	52	2.02	2.58	3.36	2.65	0.0	7	14	12	4
1922.....	78.7	104	48	4.37	5.32	5.53	5.07	0.0	10	14	11	5
1923.....	76.4	99	43	3.70	4.68	7.36	5.25	0.0	12	12	10	8
1924.....	79.6	105	45	3.10	4.88	5.19	4.39	0.0	10	14	10	6
1925.....	80.6	105	49	1.21	2.64	4.74	2.86	0.0	8	15	9	6
1926.....	77.7	102	39	2.91	4.58	4.55	4.01	0.0	10	14	8	8
1927.....	77.7	108	50	4.65	5.90	6.39	5.65	0.0	14	10	10	10
1928.....	76.4	105	43	6.37	5.90	5.63	5.97	0.0	13	11	10	9
1929.....	76.1	103	44	4.72	5.23	5.72	5.22	0.0	12	12	10	8
1930.....	75.9	106	38	2.55	3.81	4.86	3.74	0.0	10	15	8	7
1931.....	80.0	109	41	2.04	1.48	1.99	1.84	0.0	5	20	8	2
1932.....	78.1	107	46	6.02	5.67	7.79	6.49	0.0	14	10	11	9
1933.....	79.1	108	34	3.03	3.01	2.86	2.97	0.0	7	18	8	4
1934.....	79.2	103	49	5.78	5.05	4.82	5.22	0.0	10	15	10	5
1935.....	77.9	103	44	2.27	2.83	2.93	2.68	0.0	7	15	10	5
1936.....	79.3	106	36	2.65	2.82	3.70	3.06	0.0	7	17	10	3
1937.....	79.8	101	47	3.56	3.91	5.43	4.30	0.0	10	12	14	4
1938.....	76.1	99	48	5.55	5.29	5.63	5.49	0.0	11	13	10	7
1939.....	79.5	103	51	3.64	4.20	6.14	4.66	0.0	13	11	10	9
1940.....	77.9	102	45	4.28	4.36	5.40	4.68	0.0	11	12	11	7
1941.....	78.4	105	43	5.30	6.31	7.19	6.27	0.0	14	7	11	12
1942.....	78.5	100	50	3.89	4.21	7.05	5.05	0.0	11	11	11	8
1943.....	80.8	105	52	4.65	3.70	4.63	4.33	0.0	10	14	11	5
1944.....	80.7	106	46	1.92	2.74	3.41	2.69	0.0	7	17	9	4
1945.....	78.7	105	41	2.93	2.95	3.86	3.25	0.0	8	13	11	6
1946.....	76.6	101	39	3.86	3.87	4.95	4.23	0.0	8	14	10	6
Period.....	78.2	109	34	4.15	4.24	4.86	4.41	0.0	9	13	11	6

Climatological Data for June 1946

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, Ending Date, Snowfall), Number of days (Precipitation .01 inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Rows are categorized by Northern Division, Middle Division, and Southern Division.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Harbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Also on other dates. ‡ Received too late to be included in means and summaries. † Rest available used for stations not equipped with recorders. \*\* Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // Dawson.



Daily Temperatures for June 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division.

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Station, Data, and days 1-31, and Monthly. Rows include Experiment, Hoggards Mill, and Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta - 7-30-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

H. ARMSTRONG

VOL. L ATLANTA, GA., JULY 1946 No. 7

## GENERAL SUMMARY

Temperatures were more moderate than usual for July, which averaged 1° below normal; this was due in large part to the prevalence of considerable cloudiness and cooling effects from frequent showers. Maximum temperatures were seldom as high as 95° and at no time reached 100°; in fact, it was the first July since 1916 when maximum temperatures failed to rise as high as 100°. The warmest period of the month was between the 9th and 13th, when highest temperatures were mostly about 95°. The most noteworthy periods of coolness were about the 19th and 28th; lowest temperatures occurred over most of the State on the first of these dates, with readings mostly in the lower sixties, while a temperature as low as 51° occurred at Blairsville in the far northeast on the 28th.

Rainfall occurred very frequently, especially in the south, where it was almost an every day occurrence. The State, as a whole, averaged about 86% of normal; the deficiency in the northern and eastern sections was much greater, while in the south a moderate excess occurred. Monthly totals were very unevenly distributed over the State; less than 2 inches occurred between Atlanta and Rome, also, locally at Mount Vernon in the southeast, while accumulations of 10 to 16 inches were recorded over an area in the south extending from Hoggards Mill to the southeast corner of the State. Daily falls of rainfall were mostly light to moderate, with an average of about 1 or 2 days with more than 1.00 inch, except in southernmost counties, where as many as 4 to 6 such days occurred.

Weather conditions were too wet over most of the south and much of the central section; soil moisture was kept in favorable condition in the north and east until the 17th, after which too much drying occurred despite the beneficial rains of the 22d. Cotton was very slow in development and suffered substantial deterioration in the south because of insufficient sunshine and dry weather. Corn was good except in the north and east, where retarded by dryness late in the month. Sweet potatoes developed favorably, though soil moisture was becoming inadequate in some areas late in the month. Tobacco harvesting was almost completed by the close of the month; condition was fair to fairly good. Peanuts were mostly good, though too much sprouting from too much rain occurred in the south. — R. L. C.

### TEMPERATURE

The monthly mean temperature from the records of 67 stations was 79.0°, or 1.0° below normal. The highest monthly mean temperature was 81.8° at 4 stations, and the lowest was 73.6° at Blairsville. The highest temperature recorded was 99° at Camilla on the 9th. The lowest was 51° at Blairsville on the 28th.

### PRECIPITATION

The average precipitation for the month, 71 stations reporting, was 4.97 inches, or 0.79 inch below normal. The greatest

amount was 16.28 inches at Quitman, and the least was 1.11 inches at Woodstock. The average number of days with 0.01 inch or more of precipitation was 11. The greatest amount in any 24 hours was 3.45 inches at Dawson on the 22d.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.17	24	29.85	22	8.2	32	sw.	21	89	60	69	50	0
Augusta .....	30.17	24	29.85	22	5.4	21	s.	21	87	55	63	70	0
Macon .....	30.30	24	29.94	2	4.8	23	sw.	21	89	59	72	65	0
Savannah .....	30.18	24	29.89	2	8.9	30	sw.	22	87	65	78	64	0

## COMPARATIVE STATE DATA FOR JULY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	78.7	102	57	6.08	5.95	7.09	6.37	.....	13	9	10	12
1893.....	81.4	103	60	3.19	3.94	4.90	4.01	.....	8	15	13	3
1894.....	78.1	98	50	5.46	8.84	9.38	7.89	.....	12	8	13	10
1895.....	79.1	100	51	4.48	4.64	6.16	5.09	.....	11	12	13	6
1896.....	80.5	105	49	8.57	7.92	7.53	8.01	0.0	12	9	15	7
1897.....	80.6	106	51	7.35	4.92	5.16	5.81	0.0	10	13	14	4
1898.....	79.9	104	54	8.86	8.16	8.60	8.54	0.0	14	8	14	9
1899.....	80.3	104	50	5.09	3.75	5.06	4.63	0.0	10	13	12	6
1900.....	80.3	103	53	4.65	4.70	5.82	5.06	0.0	11	9	17	5
1901.....	81.6	106	53	3.71	3.68	4.71	4.03	0.0	10	11	14	6
1902.....	82.0	108	54	2.88	4.83	5.99	4.57	0.0	10	9	16	6
1903.....	80.0	103	52	3.60	3.75	4.61	3.99	0.0	9	15	12	4
1904.....	79.1	104	49	3.49	3.02	4.85	3.79	0.0	10	8	15	8
1905.....	80.3	102	54	6.20	4.24	4.51	4.98	0.0	11	14	12	5
1906.....	78.3	100	56	9.12	7.59	8.15	8.29	0.0	15	8	13	10
1907.....	81.2	106	53	3.86	5.09	6.40	5.12	0.0	11	13	14	4
1908.....	80.0	102	59	4.87	4.41	6.76	5.35	0.0	12	10	15	6
1909.....	79.3	103	54	4.53	5.64	5.77	5.31	0.0	10	11	14	6
1910.....	78.9	100	57	5.31	5.40	6.39	5.70	0.0	14	11	10	10
1911.....	78.6	101	46	5.94	5.26	5.11	5.44	0.0	13	11	10	10
1912.....	79.5	100	55	6.42	5.08	5.79	5.76	0.0	12	10	10	11
1913.....	81.3	110	50	4.93	5.72	6.39	5.68	0.0	11	14	8	9
1914.....	80.7	104	55	4.38	4.79	4.92	4.70	0.0	10	17	8	6
1915.....	80.8	106	52	3.50	4.86	4.26	4.21	0.0	9	18	9	4
1916.....	78.3	98	63	13.64	13.85	14.69	14.06	0.0	20	5	11	15
1917.....	79.9	102	53	4.03	4.45	6.77	5.08	0.0	13	12	12	7
1918.....	78.1	103	48	4.72	4.73	4.85	4.77	0.0	11	14	8	9
1919.....	79.4	103	52	6.65	10.61	9.00	8.75	0.0	15	10	10	11
1920.....	79.2	101	55	6.60	6.40	4.89	5.96	0.0	12	11	11	9
1921.....	79.9	103	58	4.90	6.98	9.30	6.96	0.0	15	8	13	10
1922.....	80.3	101	57	5.45	4.67	4.78	4.97	0.0	12	13	12	6
1923.....	78.6	105	48	3.68	3.55	6.02	4.42	0.0	10	13	9	9
1924.....	79.6	104	49	4.63	5.52	6.62	5.59	0.0	11	14	9	8
1925.....	82.1	108	46	2.92	3.32	4.20	3.48	0.0	9	15	9	7
1926.....	79.1	110	46	6.00	6.09	7.89	6.66	0.0	13	14	8	9
1927.....	79.6	106	52	5.68	6.77	6.70	6.38	0.0	13	12	13	6
1928.....	80.0	101	52	6.56	6.39	7.33	6.76	0.0	13	14	12	5
1929.....	79.0	103	46	4.13	3.41	6.06	4.53	0.0	11	12	13	6
1930.....	82.2	109	51	3.45	6.10	6.92	5.49	0.0	10	15	10	6
1931.....	82.7	108	58	4.31	4.28	5.54	4.71	0.0	11	13	12	6
1932.....	82.4	105	45	4.41	4.65	5.97	5.01	0.0	10	16	10	5
1933.....	79.0	105	45	4.65	5.64	7.14	5.81	0.0	13	10	11	10
1934.....	82.1	105	56	5.53	4.04	4.84	4.80	0.0	12	14	12	5
1935.....	79.9	100	51	6.10	5.87	10.04	7.34	0.0	15	8	12	11
1936.....	81.9	106	55	4.10	4.09	6.18	4.79	0.0	9	14	11	6
1937.....	79.8	101	40	3.17	4.49	7.22	4.96	0.0	11	11	14	6
1938.....	78.8	102	47	9.24	6.97	6.49	7.57	0.0	13	10	11	10
1939.....	80.5	105	50	4.24	5.24	5.02	4.83	0.0	11	14	12	5
1940.....	78.5	106	52	5.44	7.38	7.25	6.69	0.0	14	11	9	11
1941.....	80.4	102	57	9.06	5.95	6.54	7.18	0.0	15	8	14	9
1942.....	81.3	106	58	4.59	4.71	5.08	4.79	0.0	12	16	9	6
1943.....	80.5	106	57	5.26	5.32	5.33	5.30	0.0	13	12	12	7
1944.....	78.8	103	49	2.82	4.46	7.21	4.83	0.0	12	11	12	8
1945.....	79.5	103	53	5.43	6.52	9.12	7.03	0.0	15	7	13	11
1946.....	79.0	99	51	3.16	4.69	7.07	4.97	0.0	11	8	13	10
Period.....	80.0	110	40	5.29	5.52	6.47	5.76	0.0	12	12	12	7

Climatological Data for July 1946

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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. †† Also on other dates. ‡ Received too late to be included in means and summaries. ‡‡ Best available used for stations not equipped with recorders. ††† Post-office addresses. Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // Dawson.



Daily Precipitation for July 1946

Table with columns for Stations, Drainage basins, Day of month (1-31), and Total. Rows are categorized by Northern Division, Middle Division, and Southern Division, listing various locations and their corresponding precipitation data for each day of July 1946.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. 2 Measured in the morning; for the preceding 24-hours. 3 Data for 24-hours ending at 1:30 a. m. of following day. T. Trace or 0.006 inch or less \* Included in the next measurement. ITALICS Data interpolated. § Partly interpolated.

Daily Temperatures for July 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Columbus, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. \* , b , c , etc. Number of days missing, for example, \* indicates two days missing. † ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows include Experiment, Hogwards Mill, and Tifton.

+ Record from 4-eup anemometer (uncorrected).

\* Included in the next measurement.

† Estimated.

(WB, Atlanta -8-22-46-930)

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

H. ARMSTRONG

VOL. L ATLANTA, GA., AUGUST 1946 No. 8

## GENERAL SUMMARY

Temperatures averaged well below the August normal, with very nearly uniform average deficiencies throughout the State. Conditions were consistently a little below normal during most of the month, with greatest deficiencies during the last week. Moderate excesses prevailed from the 17th to 20th, the warmest period of the month, during which maximum temperatures were as high as 95° to 100°. The coolest weather of the month occurred very generally on the 31st, when low readings ranged from about 50° in the far north to slightly lower than 70° in southernmost areas.

Rainfall, though occurring rather frequently, averaged only 3.60 inches, or approximately 70% of the August normal. Averages as low as this in August have occurred only once during the past 15 years, though the average for 1925 was as little as 1.77 inches. Totals over the State were very irregularly distributed. Amounts in the south were substantially greater than elsewhere in the State, with 6 to 8 inches in the coastal area and almost 10 inches locally in the southwest. The driest section was in the northwest, where 6 or more stations had totals ranging from 0.20 to 1.00 inch. The most important heavy to excessive daily falls were those of the 3-4th in west-central counties and on the 19-20th between Athens and Augusta. The fall of more than 2.00 inches at Columbus on the afternoon of the 4th flooded streets in many sections, and lightning struck and damaged the top of a building and a neon sign.

Rainy conditions during the first 8 days delayed peanut and cotton harvesting in the south and caused some deterioration, while in the north and some eastern districts, the rainfall during this period was inadequate. Later in the month, moisture conditions in the north were materially improved, but corn and some other crops had declined too much from previously dry weather to regain much in quality. The period from the 8th to the 21st was mostly favorable for farm operations, with good progress made in harvesting cotton and peanuts, planting of truck crops, etc.

R. L. C.

## ERRATA

July, 1946—Page 27: Goat Rock, precipitation: 1st, .15; 2d, .77; 4th, .67; 10th, .61; 11th, .13; 13th, .54; 14th, .20; 15th, none; 16th, .43; 17th, 1.15; 22d, .23; 23d, 2.25; 25th, .09; 27th, .46; 30th, none; 31st, .76; total for month, 8.41.

## TEMPERATURE

The monthly mean temperature from the records of 67 stations was 78.4°, or 1.1° below normal. The highest monthly mean temperature was 81.7° at Brunswick, and the lowest was 72.6° at Clayton. The highest temperature recorded was 101° at Washington on the 19th. The lowest was 46° at Tallapoosa on the 31st.

## PRECIPITATION

The average precipitation for the month, 71 stations reporting, was 3.60 inches, or 1.60 inches below normal. The greatest

amount was 9.83 inches at Camilla, and the least was 0.20 inch at Fairmount. The average number of days with 0.01 inch or more of precipitation was 9. The greatest amount in any 24 hours was 3.80 inches at Dahlonega on the 24th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.27	16	29.83	6	8.2	33	w.	10	88	55	61	65	0
Augusta .....	30.27	15	29.79	7	5.3	20	no.	24	86	52	60	75	0
Macon .....	30.37	16	29.93	3	5.4	22	n.	10	91	57	69	68	0
Savannah .....	30.24	16	29.82	7	8.9	35	se.	11	91	63	58	56	0

## COMPARATIVE STATE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	79.1	100	58	5.39	4.96	8.82	6.39	.....	13	9	12	10
1893.....	78.7	98	54	3.94	5.41	6.36	6.24	.....	11	11	12	12
1894.....	78.5	104	56	4.70	7.29	8.36	6.78	.....	14	16	13	12
1895.....	79.3	100	47	5.30	7.51	6.73	7.51	.....	13	10	15	15
1896.....	81.3	104	51	1.80	2.98	4.19	2.99	0.0	5	18	10	9
1897.....	78.5	102	50	2.93	5.03	6.16	5.04	0.0	5	13	9	9
1898.....	78.2	99	59	7.01	10.99	12.16	10.39	0.0	16	7	13	11
1899.....	81.0	102	38	4.42	4.08	5.67	4.72	0.0	10	13	13	13
1900.....	81.9	106	60	1.72	3.08	2.86	2.55	0.0	6	19	11	1
1901.....	78.2	98	55	13.59	7.71	8.31	3.87	0.0	18	6	17	8
1902.....	80.1	104	55	3.65	4.06	3.87	5.65	0.0	11	10	15	8
1903.....	80.6	104	56	3.77	5.46	7.73	5.65	0.0	11	14	12	12
1904.....	77.9	101	54	6.63	7.74	7.73	7.37	0.0	13	10	13	8
1905.....	78.7	102	52	4.95	4.72	4.54	4.74	0.0	10	12	11	11
1906.....	80.2	102	59	5.98	5.78	5.84	5.87	0.0	13	11	15	5
1907.....	79.7	103	52	3.41	3.27	5.75	4.14	0.0	9	13	14	4
1908.....	79.2	104	54	8.91	5.13	4.25	6.10	0.0	9	12	12	7
1909.....	79.7	104	50	4.58	4.25	4.76	4.53	0.0	9	14	12	8
1910.....	79.1	102	55	3.70	3.41	4.37	6.06	0.0	8	14	12	5
1911.....	79.4	100	51	3.96	5.32	4.30	6.06	0.0	12	13	10	8
1912.....	79.1	101	52	4.38	4.06	6.31	4.92	0.0	10	17	10	10
1913.....	79.4	100	53	3.48	3.41	5.37	4.92	0.0	9	17	9	5
1914.....	79.1	99	55	5.04	6.02	6.79	5.95	0.0	13	11	10	10
1915.....	79.7	105	53	5.23	4.80	5.29	5.13	0.0	12	12	11	8
1916.....	80.0	103	53	3.23	3.02	3.17	3.14	0.0	11	15	11	7
1917.....	78.4	100	46	5.12	4.10	7.47	5.56	0.0	11	13	11	11
1918.....	80.1	106	50	3.65	3.69	5.79	4.38	0.0	8	17	8	6
1919.....	79.0	103	52	3.98	5.68	7.76	5.81	0.0	12	12	10	9
1920.....	77.9	101	54	9.58	6.79	7.46	7.94	0.0	15	7	11	13
1921.....	79.2	103	54	4.76	4.68	4.24	4.56	0.0	11	13	10	9
1922.....	77.7	103	45	2.47	3.34	4.54	3.45	0.0	10	13	9	9
1923.....	79.7	101	50	4.87	5.99	5.93	5.60	0.0	11	12	10	9
1924.....	81.6	107	53	2.68	2.27	2.46	2.47	0.0	7	19	8	4
1925.....	80.5	110	45	0.61	1.06	3.63	1.77	0.0	5	18	7	6
1926.....	80.8	102	50	6.17	4.10	4.98	5.08	0.0	12	16	9	6
1927.....	78.0	103	46	2.79	3.73	4.98	3.83	0.0	9	14	11	6
1928.....	79.6	100	56	8.69	10.66	10.67	9.81	0.0	14	12	10	9
1929.....	79.3	102	48	2.00	2.64	4.86	3.17	0.0	8	14	12	5
1930.....	78.3	105	44	1.43	2.03	2.07	1.84	0.0	5	16	11	4
1931.....	78.6	104	46	3.70	4.56	6.50	4.92	0.0	10	14	10	7
1932.....	79.4	103	44	4.76	5.19	8.12	6.02	0.0	13	12	9	10
1933.....	79.7	103	52	4.13	3.71	4.70	4.19	0.0	10	13	12	6
1934.....	80.5	102	55	5.00	4.45	5.83	5.11	0.0	12	12	12	7
1935.....	80.1	105	46	5.28	5.38	6.32	5.66	0.0	12	11	11	9
1936.....	80.3	103	46	5.81	6.36	7.04	6.41	0.0	10	15	11	5
1937.....	79.7	100	57	6.63	6.74	6.61	6.33	0.0	14	10	13	8
1938.....	81.3	105	53	2.57	2.80	3.69	3.02	0.0	8	18	9	4
1939.....	78.3	104	48	6.98	6.33	7.97	7.09	0.0	15	11	11	9
1940.....	79.9	101	51	8.85	6.59	5.81	7.09	0.0	10	12	12	7
1941.....	81.1	101	53	3.97	4.08	4.87	4.29	0.0	11	12	13	6
1942.....	78.5	104	45	6.84	5.15	5.28	5.76	0.0	12	14	9	8
1943.....	81.0	105	50	3.33	3.69	4.85	3.96	0.0	9	16	10	5
1944.....	78.4	99	54	3.39	4.71	6.75	4.95	0.0	13	10	12	9
1945.....	78.8	99	50	3.55	3.47	6.57	4.53	0.0	10	12	13	6
1946.....	78.4	101	46	2.05	3.38	5.36	3.60	0.0	9	11	13	7
Period.....	79.5	110	44	4.76	4.89	5.95	5.20	0.0	11	13	11	7

Climatological Data for August 1946

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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Also on other dates. † Received too late to be included in means and summaries. ‡ Pest available used for stations not equipped with recorders. ‡ Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hogard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // At Midville.



Daily Temperatures for August 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. % Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows list stations like Athens, Experiment, Hoggards Mill, Rome, and Tifton with evaporation and wind movement data.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta -10-2-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

H. ARMSTRONG

VOL. L ATLANTA, GA., SEPTEMBER 1946 No. 9

GENERAL SUMMARY

Although temperatures during September, 1946, were moderate, the persistence of deficiencies during most of the month produced the lowest September average since 1924, with only two other Septembers that averaged lower. Excesses during the month were small and mostly limited to the periods, 9-11th and 21-26th; highest temperatures occurred chiefly between the 9th and 11th, with readings mostly between 90° and 95°. The most noteworthy cool periods were 1-3d, 6-7th, 12-18th, and 30th, with lowest temperatures of the month occurring variously in one or the other of these periods. Lowest readings ranged from about 50° in the north to slightly higher than 60° on the coast and in southernmost areas.

Rainfall averaged very nearly normal for the State as a whole, with fairly uniform departures in the three divisions, though variations between some of the smaller areas were very marked. Totals of 6 inches or more occurred in the extreme northwest, over a portion of the southeast (more than 12 inches at one station), and locally around Butler and Cairo. Less than 2 inches were recorded in the area between Savannah and Millen and locally in the Atlanta and Tifton areas. The more general dates of rainfall during the month were 8-12th, 15-19th, 22-25th, and on the 29th or 30th.

A subtropical storm of moderate intensity moved across the eastern side of the State on the 16th. Heavy to excessive rains fell in the extreme southeastern portion; amounts in the other sections through which the storm passed were only light to moderate. No damage was reported except from local washing of the soil in the southeast from heavy rainfall.

A tornado of moderate intensity struck a rural section one mile south of Mableton, Cobb County, at about 3:00 p.m., on the 22d. Only a small area was affected in which one farm dwelling was demolished, numerous trees uprooted or blown down, telephone and power lines blown down, and minor damage done to other buildings. No one was killed, 4 people were painfully injured, and property damage was estimated at \$10,000 or slightly greater.

Harvesting of crops made fairly good progress, with some interference from rains between the 8th and 25th. Soil condition was generally good, occasionally too wet, and late crops were in mostly good condition as the month closed.—R. L. C.

TEMPERATURE

The monthly mean temperature from the records of 69 stations was 73.0°, or 2.4° below normal. The highest monthly mean temperature was 77.3° at Brunswick, and the lowest was 68.3° at Blairsville. The highest temperature recorded was 96° at Washington on the 9th. The lowest was 47° at La Fayette on the 1st.

PRECIPITATION

The average precipitation for the month, 72 stations reporting, was 3.71 inches, or 0.08 inch above normal. The greatest

amount was 12.02 inches at Brunswick Airport, and the least was 1.35 inches at Dawson. The average number of days with 0.01 inch or more of precipitation was 10. The greatest amount in any 24 hours was 6.34 inches at Brunswick Airport on the 16th.

PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.26	5	29.83	21	9.3	34	s.	22	89	58	68	54	14
Augusta .....	30.27	5	29.86	30	5.3	17	n.	17	88	51	69	63	0
Macon .....	30.33	6	29.98	21	5.6	18	ne.	11	90	59	73	57	7
Savannah .....	30.23	9	29.83	30	8.7	21	ne.	15	92	64	80	59	0

COMPARATIVE STATE DATA FOR SEPTEMBER

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	72.3	94	43	3.02	4.47	4.52	4.00	.....	6	14	8	8
1893.....	74.7	99	44	5.49	3.73	4.12	4.45	.....	7	13	8	7
1894.....	75.2	98	46	3.19	3.83	4.05	3.69	.....	7	13	11	6
1895.....	77.1	100	36	1.40	1.08	2.00	1.49	.....	4	17	9	4
1896.....	76.5	107	35	2.81	2.05	2.45	2.44	0.0	4	17	10	3
1897.....	74.1	99	37	0.67	1.81	4.55	2.34	0.0	4	17	8	5
1898.....	75.2	98	51	7.88	3.46	2.77	4.70	0.0	7	12	9	9
1899.....	73.2	102	34	1.69	1.22	1.88	1.60	0.0	4	20	7	3
1900.....	77.1	100	41	4.33	2.57	2.57	3.16	0.0	5	20	7	3
1901.....	72.9	99	41	4.72	5.47	5.73	5.31	0.0	8	16	7	7
1902.....	73.0	99	40	5.34	2.61	5.97	4.64	0.0	10	10	10	10
1903.....	73.1	99	40	2.58	4.39	6.32	4.43	0.0	5	15	10	5
1904.....	76.3	101	44	0.78	0.77	2.30	1.28	0.0	7	18	9	3
1905.....	76.9	102	51	1.76	2.37	4.69	2.94	0.0	6	17	7	6
1906.....	77.5	99	54	6.45	4.36	4.06	4.96	0.0	11	11	11	8
1907.....	75.6	102	46	5.57	5.54	7.35	6.15	0.0	11	12	11	7
1908.....	73.2	99	38	2.11	2.07	5.02	3.07	0.0	6	14	9	7
1909.....	74.2	101	36	3.02	2.78	3.63	3.14	0.0	8	12	11	7
1910.....	76.3	103	43	2.50	2.58	2.30	2.46	0.0	6	16	8	6
1911.....	79.6	100	58	2.63	2.85	3.38	2.95	0.0	7	16	9	5
1912.....	77.4	103	46	4.49	5.24	7.54	5.76	0.0	12	11	7	12
1913.....	72.4	97	36	4.66	4.28	3.31	4.08	0.0	10	14	6	10
1914.....	72.8	99	38	2.48	3.19	5.04	3.57	0.0	7	14	8	8
1915.....	76.7	102	41	3.13	2.43	2.55	2.70	0.0	6	16	8	6
1916.....	73.5	98	35	2.23	2.32	2.07	2.21	0.0	5	19	7	4
1917.....	72.5	102	43	6.15	6.45	4.29	5.63	0.0	9	11	9	10
1918.....	70.9	97	35	3.67	2.55	3.58	3.27	0.0	8	15	7	8
1919.....	74.9	99	43	1.02	1.11	2.02	1.38	0.0	3	20	6	4
1920.....	76.4	100	40	3.41	3.28	3.99	3.56	0.0	8	15	9	6
1921.....	81.2	104	57	3.31	1.89	1.46	2.22	0.0	5	19	8	3
1922.....	76.2	104	46	1.52	1.08	2.14	1.58	0.0	4	20	6	4
1923.....	76.2	100	41	1.56	2.19	2.12	1.96	0.0	5	16	8	6
1924.....	71.5	100	40	7.87	10.77	13.35	10.66	0.0	14	10	6	14
1925.....	83.4	111	50	1.28	1.29	2.16	1.58	0.0	5	18	7	5
1926.....	78.6	101	50	1.69	3.32	5.75	3.59	0.0	7	16	7	7
1927.....	76.8	107	34	1.22	1.02	1.69	1.31	0.0	4	18	9	3
1928.....	73.1	97	34	5.08	5.16	10.53	6.92	0.0	11	13	8	9
1929.....	73.8	97	44	11.74	8.78	8.85	9.79	0.0	14	8	9	13
1930.....	77.3	101	45	5.24	5.85	6.73	5.94	0.0	12	9	12	9
1931.....	78.3	107	35	1.29	1.13	1.51	1.31	0.0	1	21	7	2
1932.....	74.4	103	44	3.78	2.22	5.91	3.97	0.0	9	11	8	11
1933.....	78.2	103	36	2.15	4.12	5.68	3.98	0.0	6	19	7	4
1934.....	75.8	99	43	3.20	2.49	2.23	2.64	0.0	7	15	11	4
1935.....	74.3	98	39	2.01	3.31	6.81	4.04	0.0	8	15	7	8
1936.....	77.3	101	47	5.95	3.96	3.58	4.50	0.0	8	12	12	6
1937.....	73.1	98	42	1.40	1.74	4.46	2.53	0.0	6	14	9	7
1938.....	74.8	100	32	1.91	1.92	3.30	2.70	0.0	7	14	10	6
1939.....	76.9	103	41	2.49	2.76	3.39	2.88	0.0	6	15	9	6
1940.....	72.9	102	31	0.92	1.08	1.12	1.04	0.0	4	19	7	4
1941.....	77.3	104	42	1.08	1.97	2.83	1.96	0.0	5	17	7	6
1942.....	71.2	101	32	4.94	3.94	4.94	4.61	0.0	9	15	8	7
1943.....	79.5	99	33	4.04	2.81	2.82	3.23	0.0	6	15	8	7
1944.....	75.8	103	44	3.55	4.55	5.10	4.40	0.0	10	11	10	9
1945.....	77.3	101	43	1.88	4.49	6.50	5.22	0.0	11	12	10	8
1946.....	73.0	96	47	3.59	3.54	3.99	3.71	0.0	10	10	9	11
Period.....	75.4	111	31	3.40	3.24	4.26	3.63	0.0	7	15	8	7

Climatological Data for September 1946

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, Ending Date, Snowfall), Number of days (Precipitation .01 inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Received too late to be included in means and summaries. † Rest available used for stations not equipped with recorders. \*\* Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // At Brunswick Apt.



Daily Precipitation for September 1946

Table with columns for Stations, Drainage basins, Day of month (1-31), and Total. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations and their drainage basins.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. 2 Measured in the morning; for the preceding 24-hours. 3 Data for 24-hours ending at 1:30 a.m. of following day. T. Trace or 0.005 inch or less. \* Included in the next measurement. ITALICS Data interpolated. § Partly interpolated.

Daily Temperatures for September 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc., with their respective maximum and minimum temperatures.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows list stations like Athens, Experiment, Hoggards Mill, Rome, and Tifton, showing evaporation and wind movement data.

† Record from 4 cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta - 10-30-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

R. L. CORNELIUS

VOL. L ATLANTA, GA., OCTOBER 1946 No. 10

### GENERAL SUMMARY

Temperatures were unusually moderate, with no extreme cold or warm conditions. The monthly average for the State was slightly lower than the normal; average deficiencies over much of the central division were as great as 2°, while small excesses occurred in the coastal area, extreme southern districts, and in the far northeast. The most important cool weather of the month occurred during the two periods, 1-3d and 13-15th, during which minimum temperatures fell to 35° or lower in northernmost areas and no lower than about 50° on the coast. Low temperatures fell to freezing with light but undamaging frosts on the 1st and 13th in some far northern localities. Daytime temperatures were consistently pleasant, with peaks of warmth in the periods, 5-6th, 10-11th, 19-20th, and 24-31st; highest temperatures ranged from about 80° in the far north to 90° in the southeast.

Rainfall occurred in well-defined periods, namely, 8-9th, 12th, and 25-26th, and very light but scattered showers fell about the 19th and 28th. Monthly totals were as little as 1.00 inch in the middle and lower portions of the Chattahoochee River Valley, while 5.00 to 6.00 inches or more occurred in eastern counties from Augusta southward; the average for the State was 3.61 inches, or 136% of normal. The major part of the month's rainfall, especially in eastern districts, occurred on the 8-9th at which time a tropical storm moved northward through extreme eastern counties. The storm produced unusually high tides in the coastal area, with considerable damage done to piers and shore installations in the Brunswick area; heavy to excessive rainfall from the storm flooded and badly washed the soil in portions of the east, but no other damages of any nature were reported.

Much progress was made in harvesting operations, most of which had been completed by the close of the month. This was made possible by lengthy periods of dry weather, covering the first 7 days and the period, 9th to 24th. Considerable though not serious drying of the soil took place during the two weeks ending with the 24th, but the soil was adequately replenished by the generous rainfall of the 25-26th.

### TEMPERATURE

The monthly mean temperature from the records of 69 stations was 64.2°, or 0.7° below normal. The highest monthly mean temperature was 71.6° at Brunswick, and the lowest was 57.8° at Clayton. The highest temperature recorded was 91° at Brunswick on the 11th and at Waycross on the 20th. The lowest was 29° at Tallapoosa on the 14th.

### PRECIPITATION

The average precipitation for the month, 71 stations reporting, was 3.61 inches, or 0.96 inch above normal. The greatest

amount was 7.67 inches at Savannah No. 2, and the least was 1.24 inches at Fort Gaines. The average number of days with 0.01 inch or more of precipitation was 5. The greatest amount in any 24 hours was 6.63 inches at Savannah No. 2, on the 8th.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.42	28	29.54	8	8.7	29	sw.	18	87	54	66	67	109
Augusta .....	30.40	28	29.14	8	5.1	24	n.	8	87	50	64	76	62
Macon .....	30.37	28	29.43	8	5.9	20	nw.	12	86	52	65	66	95
Savannah .....	30.34	28	29.21	8	9.5	42	s.	8	90	57	79	71	25

### COMPARATIVE STATE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	64.0	90	26	0.45	0.35	0.71	0.50	.....	2	16	11	4
1893.....	64.3	90	24	1.00	2.57	2.43	2.00	.....	3	20	20	5
1894.....	63.7	95	28	2.89	4.54	4.90	4.11	.....	4	21	6	4
1895.....	61.2	92	28	1.52	1.08	1.08	1.23	.....	3	19	6	6
1896.....	63.1	90	28	2.00	1.20	1.67	1.62	0.0	3	16	9	6
1897.....	66.2	91	34	2.89	1.71	2.67	2.42	0.0	4	18	6	6
1898.....	62.5	92	27	7.83	6.14	5.77	6.58	0.0	8	15	8	8
1899.....	65.2	94	31	2.83	4.90	3.99	3.91	0.0	6	12	11	8
1900.....	68.7	97	41	4.95	3.34	4.03	4.03	0.0	10	9	10	12
1901.....	63.7	93	28	2.32	4.17	1.22	1.02	0.0	3	22	6	3
1902.....	64.3	93	28	0.91	0.94	1.80	3.75	0.0	8	14	9	8
1903.....	63.7	95	25	1.90	2.00	2.28	2.06	0.0	4	17	9	5
1904.....	64.6	100	24	0.29	0.30	0.49	0.33	0.0	2	23	6	2
1905.....	64.5	93	31	3.42	2.26	2.64	2.77	0.0	6	13	8	10
1906.....	61.6	91	26	4.02	3.84	2.99	3.62	0.0	6	15	7	9
1907.....	62.8	93	29	1.60	0.80	0.73	0.84	0.0	3	20	7	4
1908.....	61.7	92	32	4.02	2.73	1.51	2.75	0.0	4	20	5	6
1909.....	63.0	98	24	2.89	1.46	0.51	1.62	0.0	3	23	5	3
1910.....	69.2	95	20	2.81	3.03	4.22	3.35	T.	3	20	4	7
1911.....	69.1	101	30	5.12	5.63	4.09	4.35	0.0	5	13	8	11
1912.....	66.1	93	33	3.13	2.42	2.62	2.79	0.0	7	13	8	10
1913.....	62.2	95	26	2.34	2.36	2.34	2.35	0.0	5	22	4	5
1914.....	64.6	93	23	5.24	4.42	3.66	4.44	T.	2	15	6	10
1915.....	67.4	94	30	7.61	6.74	5.86	6.74	0.0	6	16	5	10
1916.....	65.0	94	28	2.36	1.94	2.37	2.22	0.0	6	17	6	8
1917.....	59.8	92	21	2.03	1.09	0.51	1.21	0.0	4	22	4	14
1918.....	69.1	97	38	8.06	3.59	2.75	4.80	0.0	7	11	6	14
1919.....	74.4	99	49	4.35	2.84	1.27	2.82	0.0	7	11	10	10
1920.....	64.5	91	27	0.67	1.01	1.15	0.94	0.0	2	23	4	6
1921.....	63.2	92	25	2.38	2.16	1.78	2.11	0.0	5	20	5	6
1922.....	65.7	94	28	3.24	3.55	4.39	3.79	0.0	4	14	6	11
1923.....	64.1	95	26	1.23	0.69	0.80	0.91	0.0	4	17	6	8
1924.....	63.0	90	22	0.96	1.12	1.84	1.31	0.0	3	22	4	5
1925.....	65.5	98	25	5.46	3.79	4.23	4.53	0.0	10	14	6	11
1926.....	66.5	99	25	2.40	1.00	1.40	1.60	T.	6	18	6	7
1927.....	67.3	98	27	2.61	1.49	1.29	1.80	0.0	4	21	6	4
1928.....	67.6	95	27	3.03	2.31	1.47	2.27	0.0	7	16	6	7
1929.....	63.1	90	28	5.29	6.32	4.06	5.22	0.0	6	18	6	7
1930.....	61.7	91	24	1.90	2.27	0.82	1.66	0.0	4	20	6	5
1931.....	66.8	95	24	1.44	0.93	0.84	1.07	0.0	3	20	7	4
1932.....	64.0	92	29	6.92	4.51	4.40	5.28	0.0	7	17	6	8
1933.....	66.2	98	26	1.86	2.49	1.83	2.08	0.0	4	17	7	7
1934.....	66.1	93	26	6.27	4.08	2.85	4.40	0.0	6	19	5	7
1935.....	66.2	92	21	2.11	0.76	0.15	1.01	0.0	2	20	8	3
1936.....	67.2	93	28	3.67	3.51	4.42	3.87	0.0	8	15	7	9
1937.....	62.4	96	20	7.60	4.61	3.92	5.38	T.	10	15	6	10
1938.....	64.5	95	23	0.15	0.52	1.42	0.70	0.0	2	24	4	3
1939.....	66.9	95	22	0.52	0.11	0.36	0.33	0.0	2	19	7	5
1940.....	65.0	94	28	1.18	0.86	0.63	0.89	0.0	2	21	6	4
1941.....	71.4	99	28	1.70	1.72	3.55	2.32	0.0	4	15	8	8
1942.....	65.0	92	25	3.16	2.23	0.85	2.08	0.0	6	19	6	6
1943.....	62.3	95	26	1.47	0.45	0.03	0.64	0.0	3	20	6	5
1944.....	64.0	93	25	1.49	1.92	3.61	2.34	0.0	4	22	5	4
1945.....	63.3	95	29	3.52	3.09	2.10	2.90	0.0	6	18	7	6
1946.....	64.2	91	29	3.74	3.74	3.34	3.61	0.0	5	17	8	6
Period.....	64.9	101	20	3.02	2.54	2.39	2.65	T.	5	18	6	7

Climatological Data for October 1946

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, Ending Date, Snowfall), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Also on other dates. ‡ Received too late to be included in means and summaries. †† Best available used for stations not equipped with recorders. ††† Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // At Lincolnton. † At Augusta Airport.



Daily Temperatures for October 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. † Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. † Estimated. (WB, Atlanta - 11-22-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7  
 GEORGIA SECTION  
 R. L. CORNELIUS

VOL. L ATLANTA, GA., NOVEMBER 1946 No. 11

### GENERAL SUMMARY

For the State as a whole as well as for many individual stations, the month was the warmest November on record. Remarkably warm conditions prevailed during the first 11 days and again during the last week, with daily excesses ranging as high as 20°. The greatest warmth of the month occurred during the first 5 days, except on the 11th or 26th in the southeast, with highest temperatures ranging from about 80° in the north to almost 90° in the southeast. Rather cool conditions prevailed on the 23-24th, but the coolest period of the month was the 13-15th, when minimum temperatures fell to freezing or slightly lower over most of the northern division and over the section between Millen and Alapaha. Killing frosts had spread into all except coastal and far southern counties by the morning of the 15th.

Rainfall averaged slightly lower than the November normal, with greatest deficiencies in the south, while rather large excesses occurred in far northern counties. Although rain occurred at frequent intervals, it was light to very moderate in character. Rainfall in excess of 1 inch within any 24-hour period occurred only in the Savannah and Lower Chattahoochee River Valleys and in extreme northern counties; in a portion of the northwest, 24-hour falls exceeded 4 inches on the 11th. Monthly totals ranged from more than 7 inches in the northwest to less than 0.50 inch in south-central districts.

Although large areas of the State had relatively small amounts of rainfall, it occurred at favorable intervals and sustained mostly adequate soil moisture throughout the month. The gathering of crops progressed rapidly and was practically finished by the close of the month. Truck crops and fall gardens did well, and vegetables in southern markets were abundant and of good quality.

### PERSONAL NOTES

It is very much regretted that Miss Marion Craig, who has served continuously as cooperative observer for the Weather Bureau at Toccoa, Ga., during the past 33 years, was incapacitated for further service on November 11, 1946, due to a very serious injury. Her services have been very commendable.

### TEMPERATURE

The monthly mean temperature from the records of 64 stations was 60.6°, or 6.0° above normal. The highest monthly mean temperature was 67.5° at Brunswick, and the lowest was 53.8° at Clayton. The highest temperature recorded was 88° at Brunswick on the 11th and at Waycross on the 15th and at Clayton on the 24th.

### PRECIPITATION

The average precipitation for the month, 67 stations reporting, was 2.33 inches, or 0.24 inch below normal. The greatest

amount was 7.16 inches at La Fayette, and the least was 0.38 inch at Moultrie. The average number of days with 0.01 inch or more of precipitation was 8. The greatest amount in any 24 hours was 4.85 inches at La Fayette on the 10-11th.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.40	19	29.83	7	10.0	31	se.	7	84	58	70	46	241
Augusta .....	30.43	19	29.86	2	5.2	17	w.	8	83	58	67	57	160
Macon .....	30.40	19	29.83	2	5.5	17	nw.	22	85	57	69	47	160
Savannah .....	30.37	19	29.76	2	9.0	25	sw.	7	92	63	81	49	92

### COMPARATIVE STATE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. 0.1 in. or more	Clear	Partly cloudy	Cloudy
1892.....	52.8	86	15	5.65	2.37	2.60	3.54	.....	6	15	8	7
1893.....	53.5	85	14	1.62	1.71	1.80	1.71	.....	4	15	8	7
1894.....	52.4	84	14	1.17	1.42	2.12	1.57	.....	4	18	6	6
1895.....	53.6	85	19	2.04	1.52	1.81	1.79	.....	5	13	8	9
1896.....	57.8	89	22	6.57	5.84	4.61	5.62	0.0	8	13	6	11
1897.....	55.7	86	21	2.25	1.33	0.93	1.50	0.0	4	17	6	7
1898.....	51.5	83	16	4.07	4.90	5.92	4.96	T.	9	13	6	11
1899.....	55.7	84	24	2.77	2.37	1.05	2.06	0.0	4	16	8	6
1900.....	55.7	86	18	3.79	3.63	2.77	3.40	T.	7	12	10	8
1901.....	49.2	85	16	1.07	0.91	0.95	0.98	0.2	4	17	9	4
1902.....	58.9	88	23	3.64	3.48	3.62	3.58	T.	7	9	10	11
1903.....	52.0	88	11	2.03	2.07	3.26	2.45	T.	7	11	10	9
1904.....	52.9	81	21	2.91	2.98	3.27	3.05	T.	6	17	6	7
1905.....	55.6	85	18	1.84	1.72	1.48	1.68	0.0	4	16	6	8
1906.....	55.6	88	19	2.94	1.44	0.73	1.70	0.6	3	19	6	5
1907.....	52.8	85	21	6.67	5.70	3.54	5.30	T.	11	14	5	11
1908.....	57.9	88	22	1.63	1.23	0.96	1.27	0.0	3	16	9	5
1909.....	59.2	89	22	1.34	0.94	0.71	1.00	0.0	3	20	7	3
1910.....	52.1	87	22	0.66	1.73	3.01	1.80	0.0	4	19	5	6
1911.....	51.5	87	16	4.45	3.82	3.56	3.94	T.	8	12	5	13
1912.....	51.6	84	16	2.01	2.55	2.62	2.39	1.5	4	20	5	5
1913.....	55.1	83	14	0.87	1.08	0.96	0.97	T.	3	20	5	5
1914.....	53.4	87	12	4.92	5.86	4.23	5.00	T.	6	18	5	7
1915.....	56.9	90	19	2.65	1.98	1.89	2.17	0.0	4	21	5	4
1916.....	55.0	90	16	2.40	1.93	1.12	1.82	0.0	5	18	6	6
1917.....	51.9	85	17	1.56	1.11	0.77	1.15	T.	3	20	5	5
1918.....	53.9	86	25	3.62	4.53	5.69	4.61	0.0	8	17	4	9
1919.....	58.3	91	20	2.65	1.59	1.73	1.99	0.0	5	16	5	9
1920.....	52.8	86	18	4.26	3.44	3.73	3.81	0.0	6	16	5	9
1921.....	58.3	87	20	5.49	3.52	2.50	3.84	0.0	8	12	9	9
1922.....	56.9	87	15	1.01	1.02	0.72	0.92	T.	4	18	6	6
1923.....	52.0	83	17	3.94	3.14	1.91	3.00	0.0	6	16	5	9
1924.....	55.5	87	14	0.68	0.98	0.48	0.71	0.0	2	21	4	5
1925.....	52.1	84	10	4.84	3.97	4.32	4.38	T.	8	13	5	12
1926.....	51.4	87	15	3.80	3.42	3.79	3.67	T.	8	16	5	9
1927.....	59.0	88	19	2.40	1.36	1.17	1.64	T.	5	15	8	7
1928.....	53.7	87	11	1.29	0.73	0.87	0.96	T.	4	17	7	6
1929.....	56.0	91	8	7.94	5.11	2.23	5.09	T.	11	11	6	13
1930.....	52.7	86	10	5.70	6.27	5.18	5.72	T.	10	11	5	14
1931.....	60.1	90	21	1.63	0.37	0.14	0.71	0.0	3	18	6	6
1932.....	51.4	83	12	5.74	4.08	4.36	4.72	0.0	9	15	4	11
1933.....	53.5	85	9	1.36	0.90	0.71	0.99	0.0	4	20	6	4
1934.....	56.8	89	19	2.63	1.31	1.61	1.85	0.0	6	18	5	7
1935.....	57.3	92	10	5.09	2.44	2.14	3.22	0.0	7	15	6	9
1936.....	53.4	89	1	1.71	1.58	0.76	1.35	T.	4	16	6	8
1937.....	51.0	86	3	1.50	1.65	2.93	2.08	T.	7	16	5	9
1938.....	57.1	88	7	4.64	2.38	1.12	2.71	T.	7	16	6	8
1939.....	52.6	86	18	0.73	0.65	1.07	0.82	0.0	4	16	7	7
1940.....	54.5	86	10	3.76	4.16	3.27	3.73	0.0	9	13	5	12
1941.....	54.9	89	14	2.49	1.19	1.35	1.68	T.	5	16	7	7
1942.....	56.8	88	15	1.92	1.85	1.28	1.68	0.0	4	19	6	5
1943.....	52.6	90	21	2.07	2.82	1.61	2.17	0.0	3	21	5	4
1944.....	53.5	82	19	3.08	2.36	2.00	2.48	T.	8	14	7	9
1945.....	56.2	87	14	3.33	2.55	1.32	2.40	T.	6	20	7	3
1946.....	60.6	88	26	3.30	2.06	1.62	2.33	0.0	8	10	7	13
Period.....	54.6	92	3	3.02	2.49	2.22	2.57	T.	6	16	6	8

Climatological Data for November 1946

Table with columns: Stations, Counties, Elevation, Length of record, Temperature, Precipitation, Number of days, Prevailing direction of wind, Observers. Rows are categorized into Northern, Middle, and Southern Divisions.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. T. Trace or 0.005 inch or less. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated. † Also on other dates. ‡ Received too late to be included in means and summaries. 4 Best available used for stations not equipped with recorders. \*\* Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // At Dover.





Daily Temperatures for November 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. y Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta -12-27-46-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION  
 R. L. CORNELIUS

VOL. L ATLANTA, GA., DECEMBER 1946 No. 12

**GENERAL SUMMARY**

The persistence of relatively high atmospheric pressure over Georgia during the greater part of the month produced a predominance of fair and abnormally warm weather. Resulting averages made December, 1946, the driest and one of the warmest on record.

The month averaged almost 4° above normal, and it was the warmest December since 1933; it is also worthwhile to note that the average for December, 1946, was more than 9° higher than that of the preceding December, yet almost 5° lower than the record high average of December, 1931. Temperatures during December, 1946, were persistently above normal, except the periods, 3-5th, 23d, and 26th. Maximum temperatures as high as 70° were a frequent occurrence in eastern and southern counties, with greatest warmth chiefly on the 28th or 29th, when readings of 70° in northernmost districts to slightly higher than 80° generally in the south were made. The coldest weather of the month produced temperatures of slightly lower than 20° in the far north to about 32° on the coast, and the principal dates were 3d to 6th in northern and central divisions and 23d or 26th in the south.

The precipitation for the month was very small, the average being only 1.17 inches, or 27% of normal. No other December since the beginning of records in Georgia has been so dry; in fact, the December, 1946, average was almost 0.50 inch less than the previous record dry December of 1917. Totals over most of the State were less than 1 inch; amounts were as great as 4 inches in the far north and as little as 0.15 inch in the southeast. Rain occurred principally on the 13th, 18th, 20-21st, and 29-31st, though much of the southern section had rain only on the 13th, 21st, or 30th.

Weather conditions were somewhat unfavorable for agricultural interests but not severely so. Soil moisture was depleted in large measure over most of the State, but only locally in the south was there any serious deterioration. The general rains at the close of the month greatly improved soil moisture. Light to heavy frosts penetrated deep into the State between the 3d and 6th, but injuries to crops were not heavy. Unseasonable warmth promoted abnormal growth in some crops, including peach trees, but this advancement was not critical. Most harvesting operations were completed, and much progress was made in clearing and plowing fields.

**TEMPERATURE**

The monthly mean temperature from the records of 62 stations was 51.3°, or 3.6° above normal. The highest monthly mean temperature was 58.7° at Brunswick, and the lowest was 43.4° at Allatoona Dam. The highest temperature recorded was 83° at Cordele on the 29th. The lowest was 16° at Blairsville on the 19th.

**PRECIPITATION**

The average precipitation for the month, 69 stations reporting, was 1.17 inches, or 3.10 inches below normal. The greatest

amount was 4.71 inches at La Fayette, and the least was 0.15 inch at Doctortown. The average number of days with 0.01 inch or more of precipitation was 5. The greatest amount in any 24 hours was 2.03 inches at La Fayette on the 19-20th.

**PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS**

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.58	3	29.71	12	10.3	31	nw.	21	79	50	62	64	509
Augusta .....	30.61	3	29.74	12	5.2	22	s.	12	77	46	60	75	418
Macon .....	30.55	3	29.75	12	6.0	22	sw.	12	80	42	54	71	431
Savannah .....	30.50	2	29.82	13	8.3	28	nw.	21	87	47	70	69	297

**COMPARATIVE STATE DATA FOR DECEMBER**

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	48.0	82	12	3.36	2.72	2.97	3.02	.....	8	10	8	13
1893.....	49.6	80	16	2.71	2.56	4.11	3.13	.....	5	16	7	8
1894.....	49.2	81	0	6.58	3.46	2.23	4.09	.....	7	12	12	12
1895.....	45.9	78	9	3.95	3.38	2.54	3.29	.....	7	14	8	9
1896.....	46.1	79	9	1.57	3.82	5.14	3.51	1.3	6	17	7	8
1897.....	48.7	81	20	4.93	2.36	2.92	3.40	T.	7	13	7	11
1898.....	46.0	77	8	2.79	3.74	4.22	3.75	T.	8	13	6	12
1899.....	45.2	77	8	4.36	3.26	2.20	3.27	0.5	8	13	9	9
1900.....	46.9	79	19	5.00	6.62	5.46	5.69	0.0	10	10	9	12
1901.....	43.9	80	3	8.72	5.72	3.17	5.87	1.0	13	9	8	14
1902.....	47.3	83	12	5.47	3.77	4.33	4.52	0.4	7	12	8	11
1903.....	42.0	77	10	1.85	2.10	2.67	2.21	T.	5	17	6	8
1904.....	47.0	80	13	4.24	3.63	2.90	3.59	0.1	8	14	6	11
1905.....	44.5	79	13	9.22	8.02	8.09	8.44	0.1	11	11	5	15
1906.....	49.4	81	11	4.71	3.44	2.59	3.58	T.	8	14	6	11
1907.....	46.6	79	16	6.08	6.63	6.52	6.41	0.1	9	12	8	11
1908.....	51.7	88	21	6.03	3.62	1.66	3.77	T.	7	14	9	8
1909.....	42.7	81	6	4.65	2.88	3.25	3.59	0.3	8	15	7	9
1910.....	42.2	78	12	3.96	2.75	2.13	2.95	0.1	6	17	5	9
1911.....	50.4	84	12	5.76	6.94	7.28	6.66	T.	10	11	5	15
1912.....	49.1	83	18	3.42	3.84	3.30	3.52	0.0	11	10	7	14
1913.....	48.7	85	12	4.57	2.94	2.42	3.31	T.	9	11	5	15
1914.....	44.9	79	5	6.82	3.70	3.16	4.56	0.3	11	6	6	19
1915.....	45.6	79	19	7.34	4.76	2.44	4.85	0.1	6	17	6	8
1916.....	47.7	82	12	3.82	2.93	3.93	3.56	T.	10	14	7	10
1917.....	39.5	80	0	1.50	1.79	1.60	1.63	1.8	6	13	6	12
1918.....	51.4	82	15	9.05	6.32	6.03	6.43	0.1	9	10	7	14
1919.....	48.0	85	12	6.91	5.22	1.53	5.25	0.0	6	15	5	11
1920.....	46.7	80	14	6.64	4.30	6.19	5.71	T.	9	14	5	12
1921.....	52.0	82	20	2.60	1.71	1.95	2.09	0.0	9	16	6	9
1922.....	53.7	89	22	6.56	4.77	5.53	5.62	0.0	12	9	5	17
1923.....	54.5	82	14	5.93	3.88	2.50	4.10	T.	10	8	7	16
1924.....	49.5	85	8	6.30	6.85	5.97	6.37	0.0	9	12	5	14
1925.....	46.0	83	0	3.60	3.02	5.22	3.95	T.	9	13	5	13
1926.....	51.4	85	12	6.88	3.00	1.96	3.95	0.0	9	13	6	12
1927.....	47.8	85	8	9.39	7.78	6.55	7.91	T.	10	13	6	12
1928.....	47.8	83	13	1.31	2.14	2.16	1.87	T.	6	16	7	8
1929.....	46.3	84	7	3.23	3.99	3.76	3.66	1.0	8	17	5	9
1930.....	43.3	76	10	4.02	3.16	3.08	3.42	1.4	8	13	6	12
1931.....	56.1	86	19	12.69	6.13	3.44	7.42	0.0	13	9	8	14
1932.....	52.3	84	16	13.55	4.96	2.37	6.96	0.6	12	7	7	17
1933.....	54.9	85	11	3.12	1.36	1.28	1.92	0.0	7	16	6	9
1934.....	46.3	82	10	3.34	2.64	2.14	2.71	T.	9	13	7	11
1935.....	40.3	77	0	3.15	3.22	2.22	2.86	1.6	6	16	5	10
1936.....	49.7	83	18	8.21	6.04	4.53	6.26	T.	12	9	5	17
1937.....	46.5	78	-3	2.22	2.23	1.64	2.03	0.4	6	14	8	9
1938.....	47.1	83	8	2.66	2.74	2.63	2.68	T.	8	14	7	10
1939.....	48.6	80	13	3.28	3.57	2.98	3.28	T.	7	18	5	8
1940.....	51.2	84	14	4.56	4.11	3.75	4.14	0.0	12	11	6	14
1941.....	50.2	82	14	6.50	8.32	7.03	7.28	T.	9	13	7	11
1942.....	48.1	86	7	8.43	5.73	4.62	6.29	T.	13	11	6	14
1943.....	47.4	87	2	3.43	4.04	3.92	3.80	0.2	7	12	8	11
1944.....	44.3	80	2	3.28	1.94	1.03	2.08	0.2	7	13	7	11
1945.....	42.0	77	9	7.88	7.39	7.76	7.68	0.5	13	10	6	15
1946.....	51.3	83	16	2.24	0.85	0.42	1.17	T.	5	18	6	7
Period.....	47.7	89	-3	5.17	4.05	3.60	4.27	0.2	9	13	6	12

Climatological Data for December 1946

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, Ending Date, Snowfall), Number of days (Precipitation of inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. †† Received too late to be included in means and summaries. ‡ Best available used for stations not equipped with recorders. § Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs. // Columbus Airport. †† of snow at Augusta Airport on the 19th and 20th.



Daily Temperatures for December 1946

Table with columns for Stations, days 1-31, and Mean. Rows are categorized by Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, 9 indicates two days missing. ITALICS Data interpolated. † Partly interpolated.

Evaporation Data

Table with columns for Station, Data, days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. † Estimated. (WB, Atlanta -1-28-47-930)

## CLIMATOLOGICAL DATA

7

GEORGIA SECTION

R. L. CORNELIUS

VOL. L ATLANTA, GA., ANNUAL 1946 No. 13

## GENERAL SUMMARY

The year, 1946, averaged well above the normal in temperature, only 9 of the past 56 years being warmer. Nevertheless, the year may be characterized as very moderate in view of the above normal trends that predominated during the winter months and below normal trends of the warmer season months. Individual station means ranged from  $59^{\circ}$  in the far northeast to  $70^{\circ}$  in the lower coastal region. The first four months, also the last two, averaged well above normal, while each of the months, May through October, averaged lower than normal. November, with an average excess of  $6^{\circ}$ , was the warmest of that month on record; March and December were also exceptionally warm, with averages that had been surpassed but few times in preceding years for those months. Each of the summer months, May through August, averaged slightly more than  $1^{\circ}$  below normal, but September was the month with the greatest deficiency of the year; it was one of the three coolest Septembers on record and the coolest since 1924. Lowest temperatures of the year occurred very generally on January 2d, with conditions practically as cold on December 23d, when low readings of about  $10^{\circ}$  in far northern counties to about  $25^{\circ}$  in coastal and extreme southern districts were made. The first freeze of the fall occurred in the far northeast as early as October 14th, but not before the first week of December over most of the State; the last freeze of Spring was mostly on March 11th, though as late as April 28th in the far north. Occurrences of freezing weather were fairly general during the periods, January 1-3d, 18th, 24-25th, 29th; February 1-3d, 8th, 21st; March 10-11th; December 3-8th, 22-23d, and 26-27th. Hottest weather occurred chiefly in the periods, June 19-21st; July 9-13th; August 17-20th; and September 9-11th, during which maximum temperatures reached or exceeded  $95^{\circ}$  at most stations but temperatures as high as  $100^{\circ}$  were rare.

Precipitation averaged slightly greater than normal for the State as a whole; departures varied considerably in the various divisions, with an excess of more than 4 inches in the north and a deficiency of almost 3 inches in the central division. Yearly station totals ranged from 75 inches or more in northernmost counties to less than 40 inches over a large section of east-central and southeastern counties. January, March, and May, each of which averaged more than 6 inches, were the wettest months; the May average was almost 200% of normal, making it the wettest May since 1923 and one of the three wettest on record. Each of the three summer months, June through August, were below normal, and the last of these months was the driest August within the past 15 years. The driest month of the year, however, was December, when the average precipitation was only

1.17 inches, or 27% of normal; this average was almost 0.50 inch lower than that of any previous December. Heavy to excessive falls of rain during the period, January 6th to 8th, produced river floods over most of the State; damages were very little except in northern streams, where losses amounted to about \$300,000. Heavy rains of February 9th, also on March 17th and 28th, caused rivers to rise a little higher than flood stages in some basins, but no appreciable damage resulted. Snow flurries fell on January 16th and 24th in northern and west-central counties, leaving a light cover on the ground, but snow depths in far northern counties were as much as 1 to 2 inches.

Three tornadoes of moderate intensity occurred during the year. The first storm struck near Cedartown on January 13th, damaging 5 homes, destroying a number of barns and smaller buildings, and causing other miscellaneous damage; losses were estimated at about \$5,000. The second storm struck in the vicinity of Brunswick on the afternoon of May 26th, causing damage to buildings and equipment of the Dixie Paint and Varnish Company that amounted to \$15,000; the storm lifted from the ground soon after it struck. The last tornado of the year lashed a small rural section near Mableton in Cobb County on the afternoon of September 22d; one farm dwelling was demolished, numerous trees were uprooted or blown down, telephone and power lines were put out of commission temporarily, with other miscellaneous damage; losses were estimated at \$10,000, and four people were injured. A tropical storm of moderate intensity moved northward through extreme eastern counties on October 8th and 9th; unusually high tides were produced, with considerable damage done to piers and shore installations in the Brunswick Area. In connection with widespread windy conditions on February 16th, light damage was sustained in the Rome Area from heavy hail; light hail fell on the same date in several western communities without causing damage.

Rainy conditions early in the year held farm work practically at a standstill almost until the close of February when some progress was made in southern counties; by the close of March, considerable planting had been done, but these operations had not been entirely completed as late as the last week of May. June weather was decidedly favorable for crop growth and cultivation, but rather wet conditions during July and August caused widespread deterioration, with greatest depreciation done to the cotton crop. The fine weather of October and November permitted very good progress in harvesting operations, almost all of which had been completed by the first week of December. The latest killing frost in spring occurred early in February in the south and as late as April 28th in the far northeast, with occurrences mostly on March 10th or 11th elsewhere in the State. The earliest killing frost in fall was as late as the first week of December in southern and east-central districts, and mostly November 14th or 15th in other sections, with occurrences as early as October 14th in the far northeast.





Monthly and Annual Precipitation for the Year 1946, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual						
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure					
<i>Northern Division</i>																															
Athens Airport	8.56	.....	4.89	.....	5.01	.....	5.16	.....	4.36	.....	4.05	.....	2.66	.....	2.87	.....	3.27	.....	6.03	.....	2.23	.....	1.49	.....	49.68	.....	.....	.....			
Athens, No. 1	9.89	+5.05	4.72	-0.37	5.23	-0.04	5.32	+1.37	4.46	+0.92	2.06	-2.07	3.54	-1.47	1.92	-2.70	2.79	-0.47	4.57	+1.66	2.34	-0.40	0.71	-3.88	47.55	-2.40	.....	.....			
Atlanta Airport	7.20	+2.17	4.67	-0.39	7.09	+1.68	2.98	-0.74	6.39	+2.97	6.54	+3.39	2.26	-2.58	2.60	-2.10	2.72	-0.32	3.02	+0.33	1.79	-1.32	1.44	-3.35	48.70	-1.05	.....	.....			
Atlanta [City]	5.75	+2.78	4.32	-0.47	6.99	+1.69	1.92	-1.69	6.37	+2.90	3.65	-0.09	1.66	-2.99	2.61	-1.84	1.91	-1.08	2.34	-0.25	1.70	-1.33	1.41	-3.29	40.63	-7.64	.....	.....			
Blairsville	9.32	+3.84	6.43	+0.70	9.09	+3.65	3.53	-0.53	8.64	+4.37	5.00	+1.24	2.34	-3.25	1.46	-3.50	3.23	+0.08	3.59	+0.46	2.36	-0.57	2.85	-2.55	57.63	+3.94	.....	.....			
Cartersville	8.40	+4.38	4.92	-0.05	4.87	+0.01	3.68	-0.09	4.24	+0.79	4.16	+0.11	4.47	-0.19	1.46	-2.87	3.46	+0.08	3.46	+0.08	6.18	+3.35	2.04	-0.48	0.82	-3.95	48.70	+1.09	.....		
Cedartown	93.26	+4.52	7.65	+2.89	7.29	+1.11	93.84	+0.63	87.76	+5.60	3.75	+0.29	1.41	-3.52	1.74	-2.48	2.42	+0.65	2.47	+0.19	2.18	-0.14	2.33	-1.37	52.13	+5.23	.....	.....			
Clayton	11.96	+5.33	9.30	+4.02	97.73	+1.25	4.50	+0.27	7.01	+3.75	4.26	+0.40	3.69	-1.14	0.90	-2.98	4.63	+1.65	2.31	+0.10	3.95	+1.32	2.85	-1.15	60.75	+12.82	.....	.....			
Cornelia	14.18	+8.05	8.91	+2.51	11.71	+4.81	4.75	-1.00	10.13	+5.38	4.09	-0.30	6.46	-0.52	2.07	-4.42	5.61	+0.56	4.62	+0.28	4.01	-0.21	4.31	-2.79	81.33	+12.06	.....	.....			
Dahlonega	11.96	+6.40	96.88	+1.32	9.55	+3.99	3.20	-2.02	57.99	+3.49	3.47	-0.35	2.36	-3.55	2.22	-3.17	2.18	-1.72	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Dalton	14.35	+8.61	8.90	+3.03	11.05	+4.98	4.11	-0.90	8.37	+3.75	2.23	-0.48	4.54	-1.61	4.79	-0.59	4.35	+0.33	4.25	+0.69	3.51	-0.17	3.63	-2.78	76.06	+14.96	.....	.....	.....		
Gainesville	10.39	+4.45	8.29	+2.35	6.29	+0.58	95.01	-0.17	9.83	+5.55	4.14	-0.26	1.79	-3.76	1.52	-3.72	3.41	+0.45	3.26	+0.81	6.84	+3.73	94.06	-1.06	64.83	+8.95	.....	.....	.....		
Hartwell (near)	9.70	+4.55	6.13	+0.62	98.45	+2.55	4.30	+0.21	6.14	+2.33	1.96	-2.27	2.94	-2.48	1.14	-4.12	3.67	-0.06	4.82	+1.83	2.47	-0.76	1.80	-3.47	53.52	-1.07	.....	.....	.....		
Jasper	6.44	+2.22	5.28	+0.49	4.10	-0.63	5.10	+1.23	4.69	+1.27	2.44	-1.22	3.89	-0.99	1.81	-3.01	3.24	-0.07	4.80	+1.92	4.80	+1.31	91.34	-3.57	47.02	-1.05	.....	.....	.....		
Lafayette	11.06	+6.29	8.35	+2.59	6.75	+1.53	4.49	-1.06	10.24	+6.67	5.71	+0.83	2.50	-2.83	3.15	-1.47	8.19	+4.83	2.79	+0.39	7.36	+4.28	4.71	-0.08	75.42	+21.92	.....	.....	.....		
Norcross	7.16	+2.33	5.31	+0.23	9.43	+4.13	2.85	-1.12	6.54	+2.73	3.40	-0.39	2.23	-3.17	1.28	-3.10	2.06	-0.79	3.03	+0.11	1.93	-0.93	1.41	-4.21	46.63	-4.18	.....	.....	.....		
Rome	8.76	+3.85	10.01	+2.53	8.87	+3.15	3.45	-0.96	9.01	+5.41	3.28	-0.81	1.46	-2.93	1.82	-2.76	4.43	+1.76	3.00	+0.21	5.38	+2.15	2.79	-2.14	61.80	+12.06	.....	.....	.....		
Tallapoosa	9.70	+5.19	96.11	+1.09	8.31	+2.11	93.47	-1.29	6.62	+3.02	4.00	-0.02	4.55	-0.90	2.21	-2.37	4.13	+0.72	1.63	-1.11	3.24	+0.28	1.74	-3.56	55.51	+3.86	.....	.....	.....		
Toccoa	10.38	+5.23	7.25	+1.73	8.24	+2.43	4.49	-0.13	8.32	+4.36	4.46	+0.12	5.03	-0.68	2.31	-3.80	2.90	-1.30	4.57	+1.01	3.75	+0.43	1.75	-4.06	63.45	+5.33	.....	.....	.....		
Washington	4.58	+0.37	93.02	-1.87	5.31	+0.49	4.30	+0.52	4.44	+1.22	3.18	-0.82	2.64	-2.69	3.14	-1.49	3.52	-0.17	5.07	+2.92	92.83	+0.27	90.86	-3.18	43.49	-4.43	.....	.....	.....		
<i>Middle Division</i>																															
Augusta	2.28	-1.65	1.84	-2.27	2.44	-1.67	6.10	+2.96	4.33	+1.29	1.80	-2.88	3.10	-2.29	1.97	-3.06	2.43	-0.93	5.51	+3.05	3.22	+0.82	0.33	-2.92	35.35	-9.55	.....	.....	.....	.....	
Brooklet	3.77	+0.76	2.47	-1.44	92.67	-1.13	2.03	-1.15	3.97	+0.47	2.59	-3.44	2.87	-3.01	2.80	-3.66	1.68	-2.95	3.20	+1.17	1.92	-0.12	0.41	-2.67	30.38	-17.17	.....	.....	.....	.....	
Carrollton	6.59	+1.96	6.24	+1.49	8.37	+2.26	2.23	-2.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Columbus	5.55	+1.36	2.81	-2.53	6.45	+0.62	1.69	-2.17	7.71	+4.63	4.11	+0.27	8.11	+2.19	4.30	-4.17	4.55	+1.40	1.79	-0.97	1.74	-0.74	2.16	-2.57	.....	.....	.....	.....	.....	.....	
Covington	9.07	+4.65	4.28	-0.69	6.26	+0.91	2.76	-1.46	6.16	+2.85	3.53	-0.52	4.49	-0.44	3.99	-0.61	3.10	+0.21	3.65	+0.74	1.29	-1.48	0.92	-3.80	49.50	+0.36	.....	.....	.....	.....	
Dublin	3.87	-0.20	3.15	-1.48	5.44	+0.72	3.92	+0.65	7.56	+4.23	2.49	-2.19	3.35	-2.07	1.96	-3.31	6.29	+1.69	4.29	+1.89	1.02	-1.36	0.53	-3.87	43.27	+4.80	.....	.....	.....	.....	
Experiment	6.72	+2.92	4.18	-1.68	5.60	-0.06	3.40	-0.80	5.77	+2.79	5.62	+1.29	3.10	-1.70	3.04	-1.43	2.16	-0.85	3.35	+1.21	1.48	-0.68	1.10	-3.29	45.54	-2.28	.....	.....	.....	.....	
Fair View	5.21	+0.93	3.06	-1.60	4.54	-0.92	2.88	-0.85	4.47	+1.25	5.74	+2.06	3.42	-2.08	6.15	+1.81	3.88	+0.91	3.48	+1.10	2.17	-0.08	1.17	-3.19	46.17	-0.66	.....	.....	.....	.....	
Fort Valley	4.66	+0.26	3.34	-1.05	6.28	-0.42	3.35	-0.94	6.89	+3.64	4.83	+0.04	4.29	-1.13	6.51	+0.81	4.34	+1.13	2.82	+0.21	2.55	+0.01	0.25	-4.00	48.17	-1.44	.....	.....	.....	.....	
Greensboro	96.38	+2.15	3.75	-0.82	4.64	-0.31	3.78	-0.20	3.88	+0.69	2.61	-1.27	4.25	-1.11	4.63	-0.25	3.76	+0.37	6.19	+3.48	2.19	-0.42	1.18	-3.19	47.97	-0.04	.....	.....	.....	.....	
Griffin	7.38	+3.10	4.05	-1.20	6.18	-0.55	3.76	-0.25	6.69	+2.56	4.44	+2.36	8.21	-2.27	7.77	-2.13	2.16	-0.93	3.39	+0.85	1.94	-0.58	1.10	-3.45	47.97	-1.39	.....	.....	.....	.....	
Lagrange	7.30	+2.42	4.42	-0.43	6.78	+0.38	3.19	-0.96	6.27	+3.47	3.80	-0.60	6.84	+1.73	3.72	-1.14	3.93	+0.96	2.57	+0.16	2.25	-0.52	1.29	-2.93	52.46	+2.54	.....	.....	.....	.....	
Louisville	3.98	+0.48	2.37	-2.00	3.96	-0.27	3.07	-0.29	4.89	+1.43	6.88	+2.81	4.51	-0.84	3.30	-0.71	2.66	-0.58	5.02	+2.42	2.06	-1.19	0.18	-3.11	43.83	-0.85	.....	.....	.....	.....	
Macon	4.79	+0.62	2.35	-2.08	5.00	-0.20	3.23	-0.92	5.60	+2.64	5.52	+1.48	4.26	+1.51	5.12	2.62	1.11	+0.92	2.30	-0.04	1.13	-0.39	0.33	-3.66	43.23	-1.61	.....	.....	.....	.....	
Milledgeville	4.39	+0.14	2.63	-1.92	94.29	-0.82	3.31	-0.13	4.91	+1.76	4.32	+0.43	6.74	+0.88	3.21	-1.54	4.48	+1.00	3.05	+0.57	1.91	-0.53	0.51	-3.60	43.75	-3.76	.....	.....	.....	.....	
Milledgeville	3.51	+0.20	2.87	-1.21	4.93	+0.99	2.39	-0.71	3.15	+0.01	3.54	+1.47	7.44	+1.40	4.46	-0.54	2.79	-1.05	6.00	+3.66	1.65	-0.37	0.66	-2.85	43.39	-1.94	.....	.....	.....	.....	
Monticello	5.37	+0.91	3.25	-1.99	4.62	-1.09	2.95	-1.08	5.28	+1.99	3.94	-0.46	3.64	-1.59	5.38	-3.54	3.86	+0.50	4.34	+1.56	2.27	-0.30	0.82	-3.51	41.70	-8.60	.....	.....	.....	.....	
Newnan	7.32	+2.57	5.13	-0.25	6.45	+0.56	2.99	-1.73	7.26	+3.76	2.56	-1.82	3.15	-2.06	3.34	-1.64	3.41	+0.36	2.78	+0.08	2.12	-0.72	1.33	-3.64	47.46	-4.53	.....	.....	.....	.....	
Swainsboro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Talbotton	95.61	+1.39	92.63	-2.68	5.34	-0.80	2.53	-1.65	97.25	+3.88	4.24	+0.14	7.25	+1.78	3.24	-1.29	93.11	+0.11	3.85												

Monthly and Annual Temperatures for the Year 1946, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual				
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure			
<i>Northern Division</i>																													
Athens Airport.....	44.4		47.5		59.2		63.1		68.6		75.7		78.0		77.5		71.3		62.6		57.4		48.2		62.8				
Athens No. 1.....	45.4	+1.8	48.2	+2.4	59.4	+6.3	64.0	+2.6	69.0	-1.1	75.8	-1.5	78.0	-1.5	77.2	-1.3	70.8	-2.9	62.6	0.0	58.2	+6.1	49.9	+5.3	63.2	+1.3			
Atlanta Airport.....	44.7	+2.2	48.0	+2.7	59.2	+7.2	64.1	+3.0	68.4	-1.9	75.4	-1.3	77.8	-1.3	77.2	-0.8	71.2	-1.6	62.1	-0.6	57.5	+6.0	48.3	+4.1	62.8	+1.4			
Atlanta [City].....	43.8	+1.2	47.2	+1.9	59.6	+7.6	63.8	+2.8	68.0	-1.9	74.8	-1.2	77.4	-0.7	76.8	-0.2	71.2	-1.2	63.3	+0.3	57.8	+5.7	49.2	+4.5	62.8	+1.6			
Blairsville.....	42.2	+2.9	42.6	+0.7	54.6	+1.9	58.7	+2.8	63.6	-4.9	69.6	-1.8	73.6	-0.1	73.0	-0.2	68.3	0.0	59.5	+1.3	55.3	+7.2	45.8	+3.8	58.9	+1.1			
Carlton Bridge.....	43.1	-0.9	45.6	+0.1	58.0	+4.9	63.0	+2.2	68.3	-1.6	75.2	-2.0	78.4	-0.8	77.6	-0.7	71.2	-2.4	61.0	-1.4	56.4	+5.5	47.4	+2.7	62.1	+0.5			
Cartersville.....					58.4	+4.3	62.7	+1.3	68.0	-0.9	75.4	-2.2	78.8	-0.3	77.1	-1.1	71.9	-0.9	60.8	-0.8	56.5	+5.0	45.9	+2.2					
Cedartown.....	44.6	+1.5	47.4	+1.5	59.8	+5.7	64.4	+3.5	68.7	-0.7	75.0	-2.4	78.2	-1.1	77.9	-0.8	71.7	-1.8	61.4	-0.7	58.4	+5.0	47.0	+2.9	62.9	+1.2			
Clayton.....	41.8	+1.3	44.6	+2.3	55.0	+6.0	59.5	+3.2	63.0	-1.6	70.6	-1.0	73.3	-1.0	72.6	-0.8	67.4	-1.2	57.8	-0.5	53.8	+5.6	46.4	+5.2	58.8	+1.5			
Coruella.....	42.6	+0.3	45.8	+1.6	57.4	+6.8	61.8	+2.5	65.2	-1.4	72.7	-2.1	75.9	-1.2	75.2	-0.7	69.2	-2.8	60.0	-0.9									
Dahlonega.....	42.0	+0.4	45.0	+1.9	55.8	+4.9	61.3	+2.6	64.6	-2.0	73.2	-0.3	75.3	-0.7	74.9	-0.2	68.8	-1.8	60.1	+0.2	56.3	+6.5	46.8	+4.6	60.3	+1.3			
Dalton.....	44.0	+2.2	46.0	+1.7	58.8	+5.3	62.7	+1.9	67.2	-1.6	74.4	-2.2	78.3	-0.8	76.8	-0.7	70.4	-1.5	61.2	-1.0	56.6	+5.9	46.4	+4.2	61.9	+1.1			
Gainesville.....	43.6	+1.8	46.1	+2.7	57.6	+6.3	62.2	+2.9	66.7	-1.1	74.5	-0.5	76.9	-0.7	77.2	+0.8	70.4	-1.1	61.6	+0.8	56.8	+6.7	49.0	+6.2	61.9	+2.1			
Hartwell (near).....	44.8	+0.8	47.4	+1.8	58.4	+5.3	62.3	+1.4	67.2	-2.3	75.4	-1.9	78.0	-1.4	76.8	-1.6	71.3	-2.7	61.8	-1.0	58.2	+6.3	49.0	+4.7	62.6	+0.8			
Jasper.....	42.0		45.7		57.5		61.6		66.0		74.3		77.3		77.0		71.6		62.5		57.4		47.6		61.8				
Lafayette.....	43.0	+1.1	45.7	+1.2	58.9	+9.4	62.9	+2.2	68.0	-1.5	74.8	-2.3	78.0	-1.4			70.2	-2.8	60.4	-1.7	56.3	+5.6	46.0	+2.7					
Rome.....	44.3	+1.6	47.0	+2.0	59.4	+6.5	63.4	+2.2	68.2	-1.6	75.0	-2.0	78.5	-1.1	77.8	-0.9	72.2	-1.6	61.8	-0.7	57.6	+6.7	47.1	+3.6	62.7	+1.3			
Tallapoosa.....	44.0	+1.2	45.4	+1.2	57.4	+4.9	62.2	+2.6	66.6	-1.6	72.6	-3.0	76.0	-1.9	75.8	-1.5	69.8	-3.0	59.4	-1.9			47.2	+3.8					
Toccoa.....	44.5	+1.5	47.6	+3.1	58.8	+6.6	63.6	+3.2	67.1	-1.6	75.1	-0.8	77.6	-0.7	76.6	-0.5	70.7	-1.5	61.8	+0.6	56.7	+5.5	49.9	+6.2	62.5	+1.8			
Washington.....	45.8	+0.2	49.0	+2.0	60.6	+5.3	63.7	+1.1	69.4	-2.1	76.7	-1.7	79.0	-1.5	79.0	-0.6	73.0	-2.1	63.4	-0.6	59.0	+4.2							
<i>Middle Division</i>																													
Augusta.....	49.4	+2.4	52.2	+2.3	62.5	+6.5	65.8	+1.6	72.1	-0.3	78.8	+0.1	80.8	-0.5	80.1	-0.3	74.8	-0.5	65.4	+0.1	61.1	+6.6	51.7	+3.6	66.2	+1.8			
Brooklet.....	51.2	+1.2	54.5	+2.5	63.2	+3.7	67.5	+1.5	72.8	-1.3	78.0	-2.2	81.0	-0.9	79.6	-1.7	74.8	-2.5	67.1	-0.3	63.9	+6.5	53.6	+3.0	67.3	+0.8			
Carrollton.....	45.3	+2.7	47.6	-0.3	58.8	+4.9	64.6	+3.2	70.4	-2.6	76.1	-2.0	80.0		76.9	-1.0	71.4	-1.5	61.6	-1.2			49.7	+5.6					
Columbus.....	50.8	+2.5	53.4	+3.1	63.3	+5.1	68.9	+3.5	74.2	+0.8	80.1	-0.2	81.8	0.0	81.0	-0.4	75.4	-2.1	67.2	+0.3	62.7	+6.6	54.0	+4.7	67.7	+2.1			
Covington.....	45.8	+1.4	48.2	+3.3	59.6	+5.3	63.8	+2.7	69.6	-0.9	76.1	-1.7	78.6	-1.4	78.4	-0.6	72.5	-1.9	62.6	-0.2	58.3	+5.7	49.5	+4.6	63.6	+1.4			
Dublin.....	50.7	+1.6	53.3	+1.9	62.4	+4.8	66.8	+1.5	72.7	0.0	78.6	-1.0	80.6	-0.6	79.8	-0.8	74.0	-2.7	64.4	-0.2	62.1	+6.5	52.2	+2.4	66.5	+1.0			
Experiment.....	46.0	+1.5	47.5	+1.9	58.0	+2.8	64.2	+2.7	67.8	-1.9	74.5	-1.8	77.3	-1.8	76.7	-2.0	71.0	-3.1	61.6	-2.2	58.2	+5.3	49.0	+4.4	62.8	+0.5			
Fair View.....	47.9	+0.9	49.6	+0.7	60.0	+4.5	65.0	+2.2	69.6	-1.1	76.1	-1.7	78.6	-0.8	77.2	-1.4	71.2	-3.4	62.0	-2.5	59.1	+5.0	50.8	+3.6	63.9	+0.5			
Fort Valley.....	48.6	+0.8	51.2	+0.7	61.2	+4.4	66.2	+1.6	71.4	-1.0	77.5	-1.9	79.4	-1.3	78.4	-1.6	72.6	-4.1	63.2	-0.8	60.8	+5.7	51.1	+2.2	65.2	+0.3			
Greensboro.....	47.6	+2.7	49.5	+2.8	60.4	+5.9	64.5	+2.5	69.8	-0.7	76.6	-1.3	78.8	-1.0	78.4	-0.6	72.2	-2.4	63.6	0.0	59.3	+6.4	51.0	+5.5	64.3	+1.6			
Griffin.....	47.8	+1.7	50.5	+2.5	61.1	+5.4	65.8	+2.7	69.1	-2.0	75.2	-2.7	77.2	-2.6	77.2	-1.8			63.8	-0.8	60.1	+5.8	52.4	+5.5					
Lagrange.....	48.0	+2.7	49.3	+1.8	59.6	+4.1	65.0	+2.7	70.2	-0.8	75.8	-2.5	77.9	-1.2	77.1	-1.9	71.0	-3.5	61.9	-1.9	59.2	+6.1	50.0	+3.2	63.8	+0.8			
Louisville.....	50.2	+2.3	53.0	+3.3	62.2	+4.8	66.0	+1.9	72.1	-0.7	78.1	-1.2	79.9	-1.1	78.8	-1.4	73.6	-2.3	64.7	-0.7	62.0	+6.9	53.0	+4.8	66.1	+1.4			
Macon.....	49.2	+2.4	51.6	+2.3	61.8	+5.1	65.9	+2.0	71.2	-1.1	77.5	-1.4	79.5	-1.7	78.4	-1.5	73.0	-1.8	63.2	-1.3	61.0	+6.8	51.2	+3.7	65.3	+1.1			
Milledgeville.....	49.8	+3.5	51.3	+2.8	61.8	+5.9	66.2	+2.5	71.4	-0.9	78.3	-0.8	79.4	-1.8	79.2	-1.2	73.0	-2.9	63.9	-0.8	61.0	+6.9	50.4	+3.2	65.5	+1.4			
Millen.....	50.2	+1.4	52.8	+2.3	62.4	+4.3	66.3	+1.1	72.5	-0.8	78.6	-1.4	80.6	-1.1	80.6	-0.5	75.4	-1.4	66.6	+0.4	63.6	+7.6	53.5	+4.3	66.9	+1.3			
Monticello.....	46.7	+1.2	49.6	+2.0	60.2	+5.0	64.8	+1.7	69.3	-2.3	76.1	-2.6	78.0	-2.3	78.6	-1.1	72.8	-2.6	63.4	-0.9	59.2	+5.5							
Newnan.....	44.4	-0.4	47.6	+1.2	58.8	+4.3	64.5	+2.8	69.1	-1.5	75.5	-2.8	77.8	-1.9	77.4	-1.5	71.7	-2.8	62.2	-1.5	58.4	+5.2	49.2	+3.8	63.0	+0.4			
Swainsboro.....							66.3		72.5		78.0		79.2		79.2		72.2		65.0		62.8		52.9						
Talbotton.....	49.6	+2.2	51.0	+2.0	60.8	+4.3	65.4	+2.1	69.9	-1.8	75.7	-2.8	77.8	-2.3	77.0	-2.5	71.7	-3.7	63.1	-2.0	61.0	+6.3	52.7	+4.7	64.6	+0.5			
Warrenton.....	48.5	+1.8	51.3	+3.3	61.4	+5.5	63.3	+2.2	70.3	-1.4	77.0	-1.5	79.0	-1.5	78.5	-1.1	72.6	-2.5	64.4	+0.3	59.8	+5.7	51.4	+4.4	65.0	+1.3			
Waynesboro.....	49.3	+1.7	52.9	+4.4																									
West Point.....	48.7	+2.9	49.7	+2.1	60.5	+5.0	65.6	+2.6	70.6	-0.8	75.6	-3.1	78.7	-1.8	78.2	-1.5	72.4	-2.8	62.0	-2.2	60.4	+6.9	50.9	+4.6	64.4	+1.0			
<i>Southern Division</i>																													
Alapaha.....	52.8	+1.4	53.7	+0.4	62.0	+2.0	66.8	+0.2	73.0	-1.0	77.0	-2.9	80.0	-1.5			75.4	-2.1	66.8	-1.0	63.6	+5.6	52.9	+1.0					
Albany.....	53.0	+2.2	55.8	+3.0	64.0	+3.6	69.6	+2.4	74.7	0.0	79.6	-1.3	81.8	-0.4	80.8														

ANNUAL CLIMATOLOGICAL DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average), and Number of days (Average snowfall, Precip. or more, Clear, Pt. cloudy, Cloudy). Rows include years from 1892 to 1946 and a Period summary.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn, Stations, Last in spring, First in autumn. Divided into Northern, Middle, and Southern Divisions. Lists various locations and their frost dates.

\* Freezing temperature.

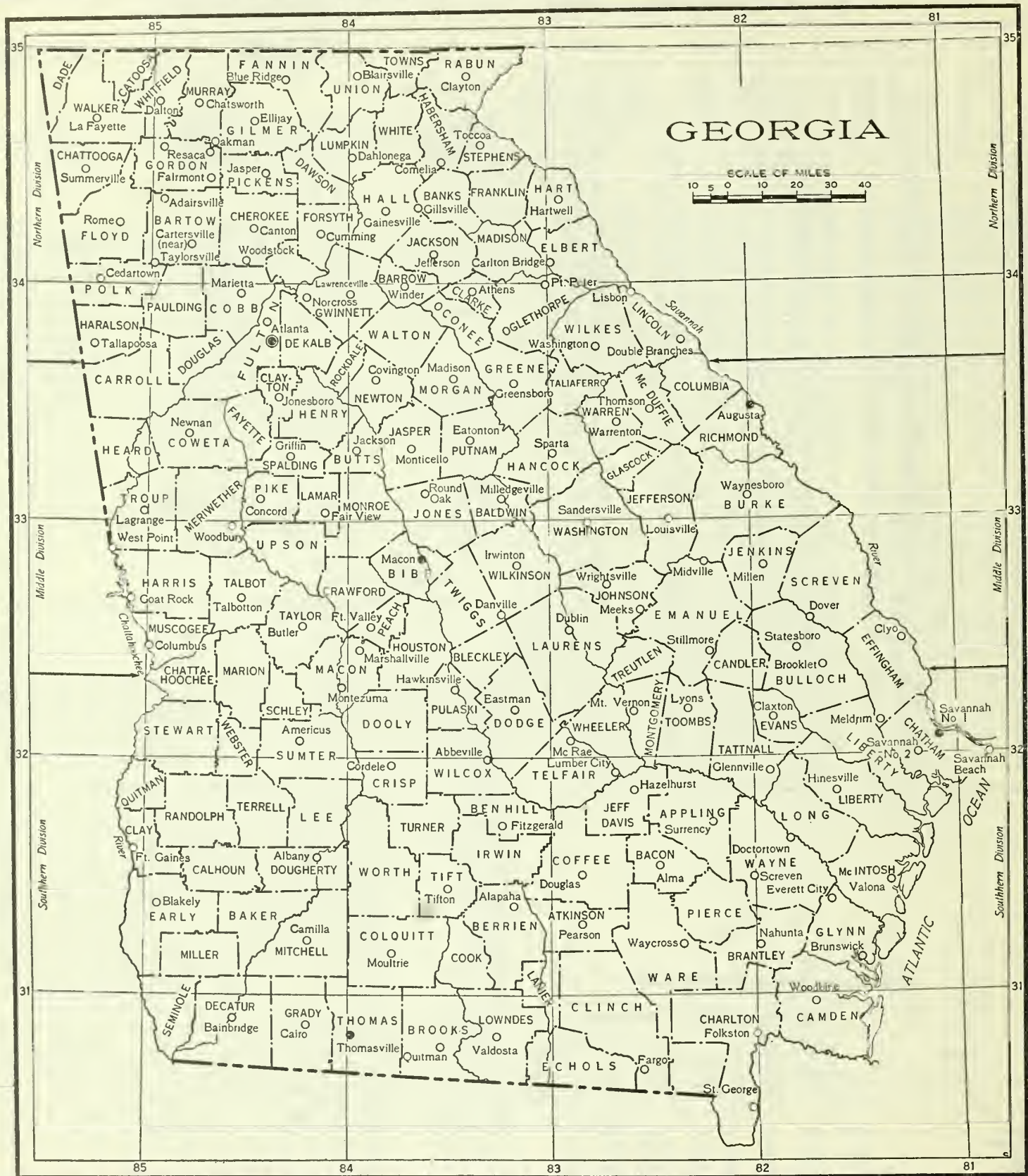
SUPPLEMENTARY PRECIPITATION TOTALS TABLE-1946

Table with columns: Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sep., Oct., Nov., Dec., An'l. Lists precipitation totals for various stations from January to December and an annual total.

MONTHLY STATE DATA FOR 1946

Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least), and No. days with .01 inch or more. Rows include months from January to December and a Year summary.

‡ Hydrologic Recorder Station. § Interpolated or partly interpolated.



(WB, Atlanta-4-7-47-1000)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

R. L. CORNELIUS

VOL. LI

ATLANTA, GA., JANUARY 1947

No. 1

## GENERAL SUMMARY

The trend of unseasonably warm weather that predominated in the State during the last three months of 1946 continued during January, 1947. It was the warmest January since 1937, and higher averages in January have occurred only 5 times before that year. The month's warmth was more pronounced in the south, where excesses averaged almost double those of other sections. Small deficiencies were maintained during the first 11 days, and except for a cold wave on the 22d, moderate to large excesses prevailed from the 12th to the close of the month. The cold wave of the 22d admitted the coldest weather of the month, when minimum temperatures ranged from slightly lower than 15° in far northern counties to slightly lower than freezing on the coast. Highest temperatures occurred very generally on the 29th, when readings of 75° to 85° occurred, some of which closely approached record high maximum temperatures for January.

The persistence and regularity of rainfall during the first 20 days produced a State average of 7.44 inches, or 172% of normal, making the month one of the wettest Januarys on record. Monthly totals over most of the northern division exceeded 10 inches, with slightly more than 15 inches at one station; amounts diminished toward the southeast, with no more than 1 to 2 inches on the coast. Heavy rains on the 13th, followed by additional heavy falls on the 18-19th, produced sharp river rises, especially in the northwest, where considerably higher than flood stages occurred from which damages of more than \$50,000 resulted. Although flood stages were exceeded in some of the other rivers of the State, losses were very little or none.

Severe storms occurred in three separate areas of the State on the afternoon of the 30th, the most notable of which was a tornado of considerable strength that cut a path about 8 miles in length in southern Bibb County; a hangar and 11 airplanes were destroyed at Herbert Smart Airport, and 25 or more homes nearby were badly damaged or destroyed; elsewhere in the path of the storm a warehouse was demolished and a tourist camp was practically destroyed. Total losses amounted to more than \$200,000, and 23 persons were injured. A storm of tornadic character occurred in northeastern Tift County, where several homes and smaller buildings, including household effects, were severely damaged at an estimated loss of \$30,000. Another storm of tornadic character struck in Lowndes County, near Valdosta, and caused considerable damage to timber, power lines, and several barns, with losses estimated at \$10,000.

### TEMPERATURE

The monthly mean temperature from the records of 70 stations was 51.4°, or 4.3° above normal. The highest monthly mean temperature was 61.9° at Folkston, and the lowest was 43.8° at Allatoona Dam. The highest temperature recorded was 85° at Waycross on the 17th. The lowest was 12° at La Fayette on the 22d.

### PRECIPITATION

The average precipitation for the month, 72 stations reporting, was 7.44 inches, or 3.12 inches above normal. The greatest

amount was 15.74 inches at Resaca, and the least was 1.25 inches at Savannah Airport. The average number of days with 0.01 inch or more of precipitation was 15. The greatest amount in any 24 hours was 3.86 inches at Norcross on the 19-20th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.51	22	29.61	20	11.2	40	w.	20	85	69	73	32	592
Augusta .....	30.47	1	29.67	20	5.4	24	s.w.	20	90	66	79	43	420
Macon .....	30.48	22	29.62	30	6.5	25	w.	30	85	63	72	31	448
Savannah .....	30.46	22	29.75	20	8.8	30	n.w.	21	90	66	79	40	235

## COMPARATIVE STATE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	42.6	76	9	10.34	7.78	5.08	7.73	.....	11	13	6	12
1893.....	39.1	78	-1	2.37	2.88	3.27	2.84	.....	6	15	8	8
1894.....	49.6	79	16	5.08	2.75	2.13	3.32	.....	9	11	8	12
1895.....	45.1	79	1	8.38	7.62	8.95	8.32	.....	11	9	9	13
1896.....	44.4	75	5	4.06	4.00	3.86	3.97	0.0	7	11	8	12
1897.....	43.1	77	-1	5.47	2.15	2.01	3.21	0.4	6	11	8	12
1898.....	49.8	83	12	4.23	2.20	1.20	2.54	0.2	8	12	9	10
1899.....	45.1	79	15	4.70	5.75	5.58	5.34	1.5	10	10	8	13
1900.....	44.0	74	5	3.19	2.06	3.29	2.85	0.2	7	15	8	8
1901.....	46.2	80	15	5.74	4.09	4.39	4.74	T.	10	13	9	9
1902.....	44.0	82	10	3.10	1.61	1.07	1.92	T.	7	13	8	10
1903.....	44.5	82	11	3.34	2.78	3.62	3.25	T.	12	8	8	15
1904.....	41.9	76	4	3.48	3.18	4.66	3.77	T.	1	7	11	9
1905.....	40.6	78	1	4.06	2.18	3.32	3.19	0.4	7	14	7	10
1906.....	47.6	83	16	7.98	5.43	5.25	6.22	1.4	11	11	6	14
1907.....	54.2	84	17	1.07	1.62	1.17	1.29	T.	4	15	9	7
1908.....	44.8	79	12	4.07	5.07	4.66	4.60	0.4	8	14	7	10
1909.....	50.9	84	5	3.30	1.57	1.07	1.98	T.	6	13	8	10
1910.....	45.5	84	13	3.54	3.85	2.28	3.22	0.2	7	14	6	11
1911.....	50.6	85	9	3.28	2.28	1.90	2.49	T.	6	12	6	13
1912.....	41.5	83	0	4.95	6.62	6.84	5.94	1.8	9	12	5	14
1913.....	53.4	84	21	5.44	2.39	2.59	3.47	T.	9	9	8	14
1914.....	47.4	84	14	1.67	2.20	3.20	2.36	0.2	5	16	7	8
1915.....	45.4	81	17	5.66	5.72	6.64	6.01	T.	9	13	6	12
1916.....	53.2	84	10	2.40	1.64	1.83	1.96	T.	7	10	8	13
1917.....	51.3	82	11	5.22	5.55	5.04	5.20	T.	13	10	7	14
1918.....	39.0	83	-3	8.34	5.74	3.42	5.83	1.5	11	12	6	13
1919.....	46.9	79	2	6.53	5.16	3.40	5.03	0.2	8	16	6	9
1920.....	48.3	84	4	6.43	5.23	3.29	4.98	T.	10	12	6	13
1921.....	49.7	78	21	4.34	2.77	1.89	3.00	0.6	8	14	6	11
1922.....	46.7	82	12	6.50	4.43	3.04	4.66	0.2	11	10	6	15
1923.....	51.1	81	18	3.88	4.28	3.83	4.00	T.	7	17	6	8
1924.....	43.3	81	-9	5.96	5.12	5.13	5.40	T.	9	14	4	13
1925.....	47.8	83	12	10.02	12.29	9.96	10.76	T.	12	10	5	16
1926.....	45.3	84	6	7.51	7.57	7.91	7.66	0.5	12	9	6	16
1927.....	48.2	85	4	1.35	0.88	0.41	0.88	0.1	4	17	5	9
1928.....	45.6	83	-5	2.46	1.05	0.94	1.48	0.2	5	16	8	7
1929.....	49.4	85	11	4.94	4.64	5.22	4.93	T.	12	14	6	11
1930.....	47.8	81	8	4.50	4.94	5.52	4.99	1.9	10	12	7	12
1931.....	45.5	78	11	2.90	2.96	2.86	2.91	0.2	7	15	7	9
1932.....	55.0	87	16	7.08	5.65	4.79	5.84	0.0	9	13	9	9
1933.....	52.9	83	14	2.81	3.25	4.48	3.51	0.0	8	13	8	10
1934.....	49.0	82	-10	3.43	2.63	2.01	2.69	0.0	9	14	6	11
1935.....	48.5	84	13	3.76	1.95	2.15	2.62	0.2	8	14	7	10
1936.....	44.0	82	-6	11.90	9.17	6.22	9.10	3.3	13	13	6	12
1937.....	58.1	87	26	10.03	6.65	3.87	6.85	0.0	16	3	8	20
1938.....	47.4	82	8	2.69	1.74	1.61	2.01	T.	9	12	7	12
1939.....	49.6	85	11	5.60	3.23	2.49	3.77	T.	9	16	6	9
1940.....	35.0	74	-17	4.71	4.94	3.68	4.44	4.9	7	16	6	9
1941.....	47.4	79	11	2.46	1.72	1.35	1.85	T.	6	15	6	10
1942.....	45.5	79	-2	3.78	3.48	6.12	4.46	0.1	6	16	7	8
1943.....	49.4	84	9	5.35	6.60	5.01	5.66	T.	8	12	7	12
1944.....	46.4	83	14	3.82	3.92	4.16	3.97	0.1	8	13	7	11
1945.....	46.4	78	19	3.45	2.81	3.60	3.29	T.	10	13	9	9
1946.....	48.5	84	8	9.35	5.52	3.99	6.29	0.2	12	7	8	14
1947.....	51.4	85	12	9.74	7.44	5.14	7.44	0.0	15	9	7	17
Period.....	47.1	87	-17	5.03	4.14	3.79	4.32	0.2	9	13	7	11

Climatological Data for January 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, Ending Date, Snowfall), Number of days (Precipitation at or more than 0.1 inch, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Includes sections for Northern, Middle, and Southern Divisions.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. †† Received too late to be included in means and summaries. ‡ Best available used for stations not equipped with recorders. ‡‡ Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.

Daily Precipitation for January 1947

Stations	Drainage basins	Day of month																														Total
		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	
<i>Northern Division</i>																																
Adairsville 3 ml. N	Oostanaula	.99	.23	.55	.19	.03	.49					.55	.42	.87	.13	1.33	.53	.99	3.38									.27				.29
Athens Airport 1	Oconee	.11	.20	.87	.08	.08	.51				.17	.32	.95	T.	.03	.58	.08	.45	2.55	1.04							.02				.57	
Athens, No. 1 2	do	.58	.08	.91	.09	.18	.01	.53				.48	.98	.05	.04	.45	.14	1.94	1.88								.02				.54	
Atlanta Airport 1	Flint	.64	.39	.06	.10	.11	.76	T.				.18	.13	.81	.01	.05	.32	.65	.73	2.40	.90									.45		
Atlanta 1 [City]	Chattahoochee	.67	.51	.09	.11	.09	.72					.25	.75		.06	.15	.15	.75	2.57	.93										.83		
Atlanta, No. 2 3	Ocmulgee	.66	.53	.31	.22	.04	.75	T.				.45	T.	.79	.04	.08	.24	.09	1.52	2.62										.39		
Blairsville	Tennessee	1.00	.05	.29	.12	.20	.31					.63	.54		1.35	.80	.29	.26	1.15	2.00							.05	.18		.95		
Canton 2	Etowah	.84	1.35	.45	.25	.30	.52					.84		.73	.18	.09	.92	.18	.89	2.99										.62		
Carlton Bridge 3	Savannah	.54	.04	1.11	.23		.36					.55		.20	.03	.04	.38	.12	1.71	2.48						.07				.69		
Cartersville 2	Etowah	.50	.74	.33	.14		.50					.40		.61	.13	.10	.92	.21	.92	2.25										.81		
Cedartown	Coosa	* .*	* .*	1.50		.51						.07	.55	.56	.23	.43	.56	.28	.26	1.53	2.72						.03	.01		.64		
Clayton	Savannah	1.16	.23	.30	.28		.10					.74	.70	.13	1.13	.79	.30	.40	1.30	2.60										.81		
Cornelia 2	Chattahoochee																															
Dahlonega 3	Chattahoochee	.83	1.05	.42	.22	.08	.27					.82	T.	.71	.51	.24	1.09	.39	.97	3.38										.63		
Dalton 4	Oostanaula	* .*	1.04	.29			.50					.15	.41		.60	2.03	.61	.81	1.04	.93	2.97									.34		
Ellijay 2	Oostanaula	1.13	1.19	.46		.14	.34					1.27	.40		1.12	1.75	.44	1.23	.43	1.03	3.53									.47		
Gainesville 2	Chattahoochee	1.10	.55	.39			.43					.61		.96	.17	.05	.55	.33	.80	3.22										.65		
Hartwell 2	Savannah	.76	.40	.30	.40		.51					.62		.75	.09	.13	.77	.30	.88	2.20										.05		
Jasper 2	Etowah	.90	1.10	.42	.20	.28	.54					.55		.37	.71	.05	1.03	.24	.95	2.40										.88		
La Fayette	Coosa	.60	1.00	.26	.10	.24	.10					.86		.50	.90	.25	.45	.60	1.20	3.60							.06	.21		.70		
Norcross 2	Chattahoochee	.88	.58	.31	.17	.03	.11					.51		.87	.03	.01	.27	.21	1.01	3.86										.72		
Rosaca 2	Oostanaula	.88	.45	.48	.12	.07	.47					1.98		.26	2.86	.62	2.90	.68	.94	3.40										.27		
Rome 2	Coosa	1.12	.20	.75	.20	.07	.50					.65		.38	1.15	.06	1.75	.67	1.15	3.30										.22		
Summerville 2	do	.61	.38	T.	.11	.04	.39					1.10		.20	3.18	.65	1.00	.53	.98	2.84										.52		
Tallahassee 2	Tallahassee	.86	.61	.11	.25	T.	.68					.42		1.08	T.	.05	.25	.98	1.86											.53		
Tooech 2	Savannah	1.18	.61	.54	.04	.06	.10					.75		1.12	.15	.04	1.01	.49	.99	2.75										.68		
Washington 2	do	.14	.27	1.10	.15	.04	.05	.50						1.72		.05	.08	.10	1.61	1.22							.03	.12		.05		
<i>Middle Division</i>																																
Augusta 1	Savannah	.03	.01	2.18	.03	.03	.10	.02	T.			.30	T.	1.04	T.	T.	.16	.01	.16	1.00	.12										.11	
Augusta Airport 1	do	.04	.08	1.84	.05	.03	.04	T.	T.			.18	.08	.78	.02	T.	.21	.01	.21	1.03	.15									.14		
Crooket	Ogechee	T.	T.	.12	1.53	.01	T.	T.				.11	1.16	.35															.10			
Carrollton	Tallahassee	.75	.19	.36	.05	.15	.60	.42				.10	.12	1.12	.05		.35	.10	1.10	1.70									.42			
Carrollton Airport 1	Chattahoochee	.08	.71	1.10	.26	.16	.40	.07	.01			.20	.01	2.57	.01	T.	.86		.50	.93	.83									.96		
Concord	Flint	.56	.43	.90	.05	.33	.66	T.				.05	.27	1.56		T.	1.04	T.	.04	1.80	.80									.44		
Covington	Ocmulgee	.21	.05	1.08	.05	.20	.79					.39		1.25	.04		.43	.18	2.04	2.24	.04								.50			
Dublin 2	Oconee	.02	.02	1.44	.52	.06	.05	T.	.16	.03		1.15	.18	1.07			.23	.02	.38	.15	.09								.25			
Experiment 2	Ocmulgee	.22	.04	1.15	.03	.17	.02					.21	.02	1.36	.02	.01	.42	.07	1.47	1.42									.55			
Fair View	do	.04	.02	1.73	T.	.27	.01	.12	.29	.02		.11	.14	2.55	.09		.55	T.	.01	1.20	.72								.35			
Fort Valley 2	do	.04	.03	1.08	.03	.21	.05	.23	.01			.31	.12	1.18	.03	T.	.14	T.	.74	.74	T.								.91			
Fort Rock 2	Chattahoochee	.34	.14	.85	.34		.02	.70	.05			.15	.01	1.49	.02	.01	.77		.96	.92									.31			
Greensboro 2	Oostanaula	.49	.04	1.30	.09	.28	.07					.31	.04	1.77	.02		.55	.09	1.10	1.14									.07			
Griffin 2	Ocmulgee	.24	.05	1.19	.04	.22	.77	.03				.30		1.53			.65		1.55	1.45									.43			
Lagrange 2	Chattahoochee	.38	.36	.65	.33		T.	1.00	.01			.25		1.45	T.	T.	.53	T.	1.20	1.81									.12			
Louisville	Ogechee	.01	.34	.84	T.	.19	.27	.01	T.			.24	T.	1.22	T.	.02	.45	T.	.58	.76	.32								.07			
Macon Airport 1	do	.01	.38	.66	T.	.29	.22	.06	T.			.29	T.	1.31	.02	.03	.30	T.	.53	.96	.37								.15			
Milledgeville 2	Oconee	.03	* .*	1.15	.18	.11	.09		.33	.02		.27		1.38	.05		.21	.04	1.49	.70									.09			
Millen	Ogechee	* .*	* .*	.40	.05	.50		.12	T.			.17	.12	T.	.04	T.	1.67	.05	.41									.08				
Monticello 2	Ocmulgee	* .*	* .*	.48	.50		* .*	2.25				.20		2.66	.01	T.	.42	.02	1.53	1.17									.25			
Nemours 2	Chattahoochee	.57	.51	.41	.31		1.03	.05				.34		1.11	.04		.63	.03	2.22	1.12									.48			
Spartanburg 2	Ogechee	.09	.04	1.12	.07	.62	.32					.40		1.36	.06		.36	.04	1.48	.88									.06			
Talbotton 2	do	T.	T.	.60	* .*	.50						1.02		1.10					.50	.13								.70				
Talbotton 2	Chattahoochee	* .*	* .*	1.57	.50		.20					.25		2.25			.71		1.18	1.43									.25			
Warrenton 2	Ogechee	.04	.13	.67	.71	.05	.10		.21			.22		0.21	.10		.48	.02	1.30	.42									.33			
West Point 2	Chattahoochee	.41	.45	.61	.35	.02	T.	.95	.02			.22		1.47	T.		1.06		1.64	.25									.13			
Woodbury 2	Flint	.36	.02	1.21	.02	.29	T.	.04	.61			.20		0.21	.44	.02	T.	.87	T.	1.31	1.06									.49		
<i>Southern Division</i>																																
Ableville 2	Ocmulgee	T.	T.	.16	.64	.09	.08		.30				1.81	.15	1.20	T.				.02	.06									.23		
Alapaha	Alapaha	.19	.52	.01	.51	T.	.04	.09				.05	.74	.25	.07			.02		.16									.95			
Albany 2	Flint	T.	T.	.54	.35	.03	.06		.12	T.			2.06	.28	1.26	.02			.03	.42									.14			
Alma 1	Satilla	T.	T.	.32	.01	1.88		.03	.04	T.			.60	.39	.51	.02			.04	.08									1.19			
Americus 2	Flint	.01		.98	.05	.12	.05		.24				.87	.16	1.47	.02		.28		.47	.57									.89		
Bainbridge 2	do	T.	T.	.95	.06	.07	.03		T.	.16			1.40	1.11	T.		.03	T.	.11	.40									.42			
Blakely 2	Chattahoochee	T.	T.	.01	1.47	.01	.58	.12	.14	.04			.84	.28	1.30	T.	.01	.01	T.	.07	.31									.9		

Daily Temperatures for January 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example. b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Stations, Data, days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton, with sub-rows for Evaporation and Wind Movement.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

† Estimated.

(WB, Atlanta-3-3-47-930)



# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., FEBRUARY 1947 No. 2

## GENERAL SUMMARY

The month averaged unusually low in temperature, which was sufficiently low to make it the coldest February since 1905 and one of the four coldest on record. Cold weather was pronounced during the periods, 4-6th, 8-11th, and 20-28th, while above normal conditions occurred only on the 1st and during the period, 15th to 18th. The coldest weather of the month occurred on the 5th, 9th, or 11th, when minimum temperatures fell as low as 20° in the coastal and southernmost areas, with slightly lower than 10° in the far northeast. Temperatures as low as freezing occurred on 10 to 15 days in the extreme south and practically every day in far northern counties. The greatest degree of warmth occurred generally on the 18th, when readings of 70° to 80° were recorded.

Precipitation for Georgia as a whole averaged 1.60 inches, which is about one-third of the February normal, and drier conditions in February have occurred in previous years only in 1898, 1930, and 1938; only once before (1938) had drier conditions prevailed in the southern third of the State. Precipitation occurred chiefly on the 4th, 7th, 19-20th, and 28th, and produced totals of slightly more than two inches in the north, with largest amounts of two to three inches in the extreme southeast; less than one inch occurred over most of the remainder of the State, with little more than 0.50 inch in the section between Hawkinsville and Savannah. The moderate to heavy rains of the 19-20th, which produced one-half to three-fourths of the month's total, caused substantial rises in most river systems, but no flood stages resulted. Light to moderate snow flurries fell over the northern section and southward as far as Macon on the 28th, leaving a snow cover of 0.5 to 2.5 inches on the ground from Atlanta northward.

The littleness and infrequency of rainfall during the first 19 days made it possible for outdoor farm work, but owing to the persistence of cold weather, not much progress was made except in the south. The cold weather between the 5th and 11th was very unfavorable to vegetables, many of which were killed or rendered of little quality. Persistently below normal temperatures during the greater part of the month held planting operations at a minimum. The growth and development of fruit trees was favorably held in check, and small grain maintained fairly good condition, though growth was greatly retarded.

## TEMPERATURE

The monthly mean temperature from the records of 68 stations was 42.7°, or 5.9° below normal. The highest monthly mean temperature was 50.1° at Brunswick, and the lowest was 32.8° at Blairsville. The highest temperature recorded was 80° at Waycross on the 18th. The lowest was 7° at Blairsville on the 9th.

## PRECIPITATION

The average precipitation for the month, 73 stations reporting, was 1.60 inches, or 3.19 inches below normal. The greatest

amount was 3.04 inches at Waycross, and the least was 0.53 inch at Camp Stewart. The average number of days with 0.01 inch or more of precipitation was 5. The greatest amount in any 24 hours was 2.03 inches at Cornelia and Newnan on the 19-20th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.45	2	29.60	20	14.3	42	sw.	6	66	40	45	74	739
Augusta .....	30.44	2	29.59	20	7.8	26	w.	6	62	35	43	83	608
Macon .....	30.43	2	29.57	30	8.2	29	nw.	4	65	32	37	80	602
Savannah .....	30.42	11	29.53	20	12.3	39	nw.	4	72	39	51	70	506

## COMPARATIVE STATE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	51.4	77	18	3.53	3.75	2.86	3.38	.....	7	14	5	10
1893.....	51.8	87	22	7.33	5.30	4.43	5.69	.....	10	7	7	14
1894.....	49.2	81	17	5.18	7.31	8.14	6.88	.....	11	7	8	13
1895.....	38.2	80	-5	2.75	3.07	3.36	3.06	.....	6	12	6	10
1896.....	48.4	79	3	4.04	6.27	6.13	5.48	T.	7	15	7	7
1897.....	51.3	83	16	6.06	7.72	9.28	7.69	T.	10	9	8	11
1898.....	45.7	79	5	0.82	1.00	1.52	1.11	0.2	3	15	7	6
1899.....	44.1	82	-12	8.49	7.56	5.94	7.33	3.9	10	10	6	12
1900.....	44.8	81	0	8.26	8.92	7.61	8.26	0.1	11	9	8	11
1901.....	44.2	76	9	3.47	3.98	5.50	4.32	2.9	7	11	10	7
1902.....	42.2	79	11	8.23	8.19	6.05	7.49	1.4	9	8	9	11
1903.....	49.9	86	9	11.64	8.20	5.62	8.49	T.	10	8	7	13
1904.....	47.3	84	10	3.97	4.09	4.18	4.08	T.	9	9	9	11
1905.....	40.8	81	-8	6.05	7.06	7.23	6.78	1.1	9	9	5	14
1906.....	46.9	78	12	1.18	1.99	3.24	2.14	0.2	6	16	6	6
1907.....	45.5	81	18	4.95	3.61	2.02	3.53	0.2	7	13	6	9
1908.....	44.2	79	9	6.62	6.02	4.65	5.76	0.3	8	15	5	9
1909.....	51.3	85	8	7.94	6.59	3.50	6.01	T.	8	15	7	6
1910.....	46.0	83	8	4.83	5.61	4.15	4.86	0.2	9	11	5	12
1911.....	53.7	85	13	3.54	2.34	1.29	2.39	0.1	6	11	5	12
1912.....	43.6	83	4	6.81	5.44	4.99	5.75	1.8	9	14	5	10
1913.....	49.2	82	17	5.77	4.09	5.10	4.99	T.	8	12	6	10
1914.....	46.0	80	15	3.49	3.88	8.64	5.34	4.3	9	11	6	11
1915.....	48.5	78	19	4.77	3.59	3.79	4.05	T.	7	14	5	9
1916.....	48.8	84	15	5.00	4.17	2.35	3.84	0.4	7	15	7	7
1917.....	48.3	89	0	6.57	4.51	4.62	5.23	0.1	9	12	8	8
1918.....	54.0	90	10	2.30	2.36	1.99	2.22	T.	8	11	7	10
1919.....	48.6	79	18	5.76	7.36	7.76	6.96	0.2	10	10	6	12
1920.....	46.1	77	9	4.73	4.13	5.19	4.68	T.	9	12	5	12
1921.....	51.5	85	20	7.74	4.10	1.52	4.45	0.4	9	12	6	10
1922.....	55.4	86	14	7.05	6.25	5.69	6.33	0.1	10	9	8	11
1923.....	49.1	86	0	6.16	5.32	2.90	4.79	T.	8	13	5	10
1924.....	46.2	84	10	4.44	3.65	3.85	3.98	T.	8	14	5	10
1925.....	53.3	85	12	2.01	1.95	2.36	2.11	T.	7	14	5	9
1926.....	50.6	82	15	4.66	4.55	4.41	4.54	T.	7	15	5	8
1927.....	58.1	87	21	5.61	4.65	3.35	4.54	T.	9	12	5	11
1928.....	48.5	82	7	3.59	4.70	6.83	5.04	0.1	10	12	7	10
1929.....	48.1	86	12	9.35	10.48	6.29	8.71	0.6	11	9	7	12
1930.....	53.2	87	11	1.41	1.57	1.81	1.60	T.	5	19	5	4
1931.....	49.3	79	13	3.39	2.76	2.53	2.89	0.0	7	15	5	8
1932.....	57.0	87	18	5.99	4.03	1.88	3.97	0.0	10	10	8	11
1933.....	49.7	84	0	5.52	5.98	6.01	5.84	T.	12	7	7	14
1934.....	43.9	84	7	4.70	4.12	3.79	4.20	0.8	8	15	5	8
1935.....	48.9	83	10	3.62	2.87	4.11	3.53	T.	8	15	4	9
1936.....	45.5	82	-8	6.76	6.70	6.04	6.50	1.4	11	11	6	12
1937.....	48.6	82	11	5.27	5.19	5.41	5.29	0.2	10	12	7	9
1938.....	54.7	84	17	1.31	0.97	1.07	1.12	T.	5	14	7	7
1939.....	54.2	83	8	9.85	9.61	7.86	9.11	0.0	14	10	5	13
1940.....	46.2	81	12	5.33	4.97	5.71	5.34	T.	10	10	7	13
1941.....	43.5	75	11	1.64	2.40	2.51	2.18	0.1	7	13	6	9
1942.....	43.7	78	8	4.92	4.07	4.60	4.53	T.	8	11	5	12
1943.....	49.7	83	5	2.53	1.52	1.33	1.79	T.	3	17	6	5
1944.....	54.2	87	4	9.70	5.82	4.35	6.62	0.1	15	8	8	13
1945.....	52.2	85	8	6.99	6.51	3.43	5.64	T.	11	9	6	13
1946.....	50.7	81	14	6.65	3.38	2.62	4.22	T.	8	13	8	7
1947.....	42.7	80	7	2.07	1.57	1.17	1.60	0.2	5	17	6	5
Period.....	48.6	90	-12	6.22	4.78	4.37	4.79	0.4	9	12	6	10

Climatological Data for February 1947

Table with 16 main 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, Ending Date, Snowfall), Number of days (Precipitation .01 inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. T. Trace or 0.005 inch or less. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. y Partly interpolated. † Also on other dates. ‡ Received too late to be included in means and summaries. § Best available used for stations not equipped with recorders. ¶ Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Temperatures for February 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, and Savannah.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Stations, Data, days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton, showing evaporation and wind movement data.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta-3-20-47-930)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION  
R. L. CORNELIUS

VOL. LI ATLANTA, GA., MARCH 1947 No. 3

## GENERAL SUMMARY

The month averaged considerably below normal in temperature; the deficiency was more than 7° for the State as a whole, with extreme departure variations of -10.1° at Blairsville, to -4.9° at Savannah Airport. The State mean, 48.9° was the coldest March since 1915, when a mean of 47.6° occurred. The coldest weather of the month occurred on the 2d, 3d, and 4th, with minimum temperatures of 12° to 25° in the northern area, while middle and southern areas recorded minimum temperatures of 19° to 24°. The warmest weather occurred during the latter part of the month. Killing frost occurred as late as the 29th in some sections of the State.

Precipitation for the State as a whole, averaged 6.87 inches, or 1.84 inches above normal. Heaviest amounts fell during the period 5-8th, with light to moderate amounts on other dates. Amounts in the southern area were heavier than other sections. Heavy rains during the period 5-8th produced sharp rises in the principal rivers, with above flood stages reported at several stations. Little or no damage was reported. Measurable amounts of snow fell over the State on the 1st, 2d, and 3d.

Weather conditions during March were exceptionally cold and wet. The first three weeks were decidedly unfavorable for agricultural operations. More favorable conditions developed later, causing recovery in quality of crops in many instances. High winds during the month caused negligible damage.

C. A. S.

## SILENT OBSERVERS

It is with regret that we announce the death of Mrs. IDA B. McCOMB, Cooperative Weather Observer at Millen since 1933, Mrs. McCOMB died March 13, 1947.

## TEMPERATURE

The monthly mean temperature from the records of 68 stations was 48.9°, or 7.7° below normal. The highest monthly mean temperature was 56.3° at Valdosta, and the lowest was 41.8° at Blairsville. The highest temperature recorded was 85° at 3 stations on the 24th. The lowest was 12° at Clayton on the 3d.

## PRECIPITATION

The average precipitation for the month, 73 stations reporting, was 6.87 inches, or 1.84 inches above normal. The greatest

amount was 11.30 inches at Blakely, and the least was 3.75 inches at Waycross. The average number of days with 0.01 inch or more of precipitation was 11. The greatest amount in any 24 hours was 4.87 inches at Hoggards Mill on the 7th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.39	12	29.45	24	13.4	52	nw.	25	78	50	55	52	611
Augusta .....	30.40	12	29.46	24	7.8	30	w.	25	75	48	55	64	485
Macon .....	30.36	12	29.52	24	8.1	29	nw.	26	77	50	52	60	482
Savannah .....	30.38	12	29.50	8	12.8	43	w.	26	84	56	67	58	399

## COMPARATIVE STATE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	52.8	86	11	5.47	7.07	4.10	5.55	.....	8	14	6	11
1893.....	54.1	86	12	3.20	3.46	5.12	3.93	.....	8	13	9	9
1894.....	59.3	92	15	3.11	3.49	3.86	3.49	.....	7	16	11	4
1895.....	54.6	88	19	6.89	7.65	5.77	5.77	0.1	9	13	8	10
1896.....	53.2	92	18	2.91	3.01	4.34	3.42	0.1	7	15	10	6
1897.....	58.9	89	23	7.83	8.82	8.27	8.31	0.0	11	7	9	15
1898.....	60.1	90	21	4.73	3.35	1.86	2.98	0.6	6	12	9	10
1899.....	56.2	89	-3	7.79	3.26	2.93	4.63	0.5	9	13	11	7
1900.....	53.1	85	17	6.10	4.06	5.74	5.30	0.1	11	12	9	10
1901.....	53.6	85	10	6.15	6.26	6.18	6.20	T.	10	12	10	9
1902.....	54.6	86	13	6.41	7.62	10.01	8.01	T.	14	11	9	11
1903.....	60.5	85	25	8.57	6.25	5.18	6.67	0.0	15	4	10	17
1904.....	57.8	92	20	4.08	2.44	1.77	2.76	0.0	8	9	11	11
1905.....	59.3	88	29	2.06	2.57	3.94	2.56	0.0	6	16	7	8
1906.....	52.1	86	15	9.40	5.99	3.51	6.30	T.	8	13	8	10
1907.....	64.3	97	32	2.74	1.58	1.32	1.83	0.0	4	18	9	4
1908.....	62.7	90	27	4.62	5.07	4.19	4.63	0.0	6	16	8	7
1909.....	55.9	89	21	8.91	8.63	5.79	7.78	T.	10	14	9	8
1910.....	60.6	95	20	1.49	1.36	1.97	1.61	0.0	4	21	5	5
1911.....	57.1	94	18	3.18	2.93	3.17	3.09	T.	6	17	6	8
1912.....	53.8	83	19	9.62	8.70	6.42	8.25	T.	10	12	5	14
1913.....	56.4	89	21	8.86	10.43	7.73	9.01	0.0	11	11	8	12
1914.....	51.5	89	13	3.08	2.75	2.56	2.80	0.3	7	16	7	8
1915.....	47.6	83	20	2.69	2.45	2.70	2.61	0.4	6	16	7	8
1916.....	53.9	89	15	2.01	2.13	1.71	1.95	T.	5	18	7	6
1917.....	57.0	89	13	11.30	7.76	4.36	7.81	T.	11	14	7	10
1918.....	61.5	90	24	1.51	1.14	1.74	1.46	0.0	6	14	9	8
1919.....	58.0	84	26	5.12	3.20	4.60	4.31	0.0	7	16	7	8
1920.....	53.3	91	5	8.54	8.85	4.71	7.37	0.0	9	16	5	10
1921.....	64.4	94	27	1.91	1.33	1.86	1.70	0.0	6	15	7	9
1922.....	57.3	88	20	8.58	10.05	5.39	8.17	0.0	11	13	8	10
1923.....	57.1	83	12	5.34	7.43	5.06	5.96	0.0	11	13	7	11
1924.....	52.1	89	18	3.02	2.87	4.40	3.43	1.9	7	16	5	10
1925.....	58.0	91	9	3.38	1.98	0.79	2.05	T.	5	20	5	6
1926.....	49.3	83	8	5.37	5.96	5.80	5.71	0.3	8	14	6	11
1927.....	57.7	91	14	4.03	3.15	2.39	3.19	0.9	8	13	8	10
1928.....	56.3	90	18	5.87	6.30	7.06	6.41	T.	12	12	8	11
1929.....	59.8	94	16	12.01	12.04	6.79	10.28	T.	9	15	8	8
1930.....	51.9	82	14	4.46	5.91	6.64	5.67	T.	13	13	6	12
1931.....	50.5	84	19	3.47	2.66	2.94	3.02	T.	8	16	7	8
1932.....	52.5	88	10	5.50	4.21	3.98	4.56	0.1	8	18	6	7
1933.....	55.8	89	15	3.31	3.37	3.76	3.48	T.	6	19	7	5
1934.....	54.1	88	10	6.17	5.25	4.76	5.39	T.	8	15	6	10
1935.....	61.0	95	10	5.26	4.76	3.05	4.36	0.0	9	13	8	10
1936.....	59.0	92	20	4.97	3.87	3.76	4.20	T.	9	14	9	8
1937.....	53.8	84	16	2.98	3.70	4.39	8.69	T.	8	17	6	8
1938.....	61.9	91	18	5.84	3.17	2.13	3.71	0.0	7	13	10	8
1939.....	58.8	89	17	5.31	5.43	2.52	4.42	0.0	8	16	8	7
1940.....	53.9	86	17	5.26	4.11	2.73	4.03	0.1	10	14	7	10
1941.....	50.1	82	16	4.63	4.17	4.63	4.48	T.	10	12	8	11
1942.....	55.0	89	10	8.17	8.96	7.13	8.09	3.1	11	14	7	10
1943.....	54.0	88	3	7.58	9.53	6.54	7.90	T.	11	13	7	11
1944.....	56.7	88	17	9.84	10.96	10.98	10.59	T.	12	14	7	10
1945.....	64.3	93	25	3.83	2.43	1.52	2.61	0.0	6	13	10	8
1946.....	60.8	87	23	7.62	5.24	5.82	6.23	0.0	9	13	8	10
1947.....	48.9	85	12	5.27	7.67	7.68	6.87	0.6	11	12	8	11
Period.....	56.6	97	-3	5.49	5.14	4.47	5.03	0.1	8	12	8	9

Climatological Data for March 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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Includes sections for Northern, Middle, and Southern Divisions.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \* Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated. ¶ Also on other dates. † Received too late to be included in means and summaries. \* Best available used for stations not equipped with recorders. †† Post-office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Temperatures for March 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Stations, Data, days 1-31, and Monthly. Rows list stations like Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta-4-17-47-930)



# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

R. L. CORNELIUS

VOL. LI

ATLANTA, GA., APRIL 1947

No. 4

## GENERAL SUMMARY

The mean temperature for the month averaged considerably above normal. The warmest period occurred during the 1st to 15th, when temperatures reached a maximum of 90° or above on the 7th and 8th. The coolest period occurred between the 15-20th, when a minimum of 31° was recorded at two stations on the 18th. There was a general warming up period during the latter part of the month. No damage to growing plants resulted from the cool weather.

Precipitation during the month averaged above normal. Rainfall was light to moderate during the first week and moderate to heavy during the second and third weeks, while the last week was very light. The rainfall was fairly evenly distributed with the heaviest amounts in the middle and southern sections. The heaviest rains of the month occurred during the periods, 1-2d and 9-16th, while the latter half received little or none. Rain occurred on almost every day from the 1st to 16th, in the northern and middle sections, while in the southern section, there was a period without rain from the 2-9th. The largest 24-hour amount occurred at Eastman on the 16th.

Temperatures were favorable for growing crops during the first half of the month. Cool weather during the latter half retarded the growth somewhat. Rainfall during the first part of the month, caused some delay in ground preparation. Condition and progress of crops at the close of the month was favorable. Heavy rains during the month caused sharp rises in the Chattahoochee and Altamaha River Basins, but flood damage was negligible.

A heavy windstorm on the afternoon of the 10th struck between Ashburn in Turner County, and Arabi in Crisp County. Damage was confined to telephone and telegraph poles. No persons were injured. A tornado struck Andersonville, Macon County, at 9:30 a.m. on the 14th. A church, warehouse, and several houses were damaged. Four persons were injured. Many trees and poles were blown down. The tornado also struck 2 miles South of Perry, Houston County, at about 10:50 a.m., damaging 8 houses, 5 barns, and 10 small buildings. Two persons were injured and property damaged was estimated at about \$40,000.—C. A. S.

### ERRATA

February, 1947—Page 6: Blairsville, mean temperature 33.8°, departure -7.5°, 24-hour amount 1.30 on the 20th. Experiment, total precipitation 1.83, departure -4.03. Alma, mean temperature 45.9°. Millen, number of days .01 inch, 4. Savannah Beach, number of days clear 11, cloudy 2. Savannah No. 2, total precipitation 0.72 departure -2.70, number of days, .01 inch, 7. Page 7: precipitation on 2d .04. Page 6: Thomasville, mean temperature, 48.4°, departure -6.6. Savannah Airport, 24-hour amount 1.02 on 28-1. Macon mean temperature 43.6°, departure -5.8. Page 8: Thomasville, mean minimum temperature 37.0°. Macon maximum temperature on 18th, 73°, minimum on 18th, 31°, mean maximum 55.4°.

### TEMPERATURE

The monthly mean temperature from the records of 70 stations was 66.4°, or 2.9° above normal. The highest monthly mean temperature was 72.0° at Moultrie, and the lowest was 60.2° at Blairsville. The highest temperature recorded was 92° at 1 station on the 7th and 3 stations on the 8th. The lowest was 31° at Carlton Bridge and Clayton on the 18th.

### PRECIPITATION

The average precipitation for the month, 72 stations report-

ing, was 5.22 inches, or 1.34 inches above normal. The greatest amount was 10.17 inches at Eastman, and the least was 2.99 inches at Dalton. The average number of days with 0.01 inch or more of precipitation was 9. The greatest amount in any 24 hours was 6.47 inches at Eastman on the 16th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches			Wind				Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.33	23	29.78	16	11.0	35	s.	11	81	53	59	51	84
Augusta .....	30.38	23	29.78	2	6.5	19	s.	5	84	46	58	72	32
Macon .....	30.32	23	29.78	2	6.8	27	n.w.	11	82	50	59	67	39
Savannah .....	30.35	23	29.80	2	10.4	33	se.	30	90	62	80	66	25

## COMPARATIVE STATE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	63.8	91	29	6.99	0.57	0.28	2.61	.....	3	12	9	9
1893.....	67.0	94	30	2.23	1.88	3.48	2.53	.....	4	17	9	4
1894.....	64.1	93	28	2.49	1.94	2.93	2.45	.....	6	17	9	4
1895.....	62.4	89	24	5.95	4.58	4.33	4.95	.....	8	13	9	8
1896.....	67.4	94	29	1.90	1.84	1.42	1.72	0.0	0	17	9	4
1897.....	62.5	93	27	5.54	4.03	3.98	4.52	0.0	1	15	8	7
1898.....	59.0	89	25	5.34	5.16	3.29	4.60	T.	6	16	8	6
1899.....	61.3	92	25	3.21	2.73	2.89	2.94	0.1	7	14	9	7
1900.....	64.2	92	23	6.92	5.14	4.83	5.63	0.0	12	11	12	7
1901.....	57.2	88	32	5.97	3.88	2.85	4.23	T.	7	14	5	11
1902.....	61.5	93	27	1.73	2.27	1.54	1.85	0.0	7	13	10	7
1903.....	60.7	90	25	3.14	3.41	2.61	3.05	T.	9	12	10	8
1904.....	59.9	92	23	2.16	1.31	1.45	1.64	0.0	5	10	10	10
1905.....	64.2	92	26	3.20	3.75	3.18	3.38	T.	9	12	10	8
1906.....	65.1	98	25	1.89	0.84	0.86	1.20	0.0	3	20	7	3
1907.....	58.0	89	24	4.15	5.78	6.62	5.52	T.	9	11	10	9
1908.....	67.6	95	27	6.33	8.69	5.77	6.93	0.0	9	12	10	8
1909.....	63.8	94	27	4.73	3.02	3.55	3.77	0.0	8	15	6	9
1910.....	62.6	94	29	3.26	3.49	2.95	3.23	0.2	6	17	7	6
1911.....	63.5	92	29	6.82	3.51	3.34	4.56	0.0	9	13	5	12
1912.....	65.1	93	25	5.62	7.41	5.72	7.25	0.0	11	13	6	11
1913.....	62.2	94	32	1.85	1.58	1.21	1.55	0.0	4	19	5	6
1914.....	64.8	97	27	4.33	2.18	1.65	2.72	0.0	6	16	7	7
1915.....	65.0	95	25	0.53	0.74	0.66	0.64	0.0	3	22	5	3
1916.....	62.3	95	25	1.87	1.76	1.87	1.83	T.	5	18	7	5
1917.....	65.7	97	26	3.63	3.41	2.55	3.20	0.0	7	20	5	5
1918.....	61.6	93	28	6.05	5.26	5.59	5.63	T.	11	9	9	12
1919.....	63.7	93	26	2.61	2.05	2.26	2.31	0.0	5	19	5	6
1920.....	62.6	91	22	8.19	5.93	7.94	7.35	T.	11	11	7	12
1921.....	63.5	92	24	3.28	2.98	3.87	3.38	0.0	6	17	8	5
1922.....	66.3	96	28	5.92	3.30	1.50	3.57	0.0	6	15	8	7
1923.....	63.4	96	16	5.75	3.76	2.27	3.93	0.0	9	13	8	9
1924.....	63.0	90	23	7.55	5.65	4.96	6.05	0.0	10	14	6	10
1925.....	67.3	99	26	2.19	1.50	1.51	1.73	0.0	5	19	5	6
1926.....	61.8	94	24	2.22	2.05	2.58	2.28	0.0	7	17	6	7
1927.....	67.1	98	26	3.31	1.69	1.20	2.07	0.0	6	15	9	6
1928.....	60.8	89	27	5.89	8.45	9.43	7.92	T.	10	14	7	9
1929.....	66.5	94	29	5.33	4.00	3.04	4.12	0.0	9	14	8	8
1930.....	64.5	93	25	2.07	3.33	3.42	3.17	0.0	5	18	7	5
1931.....	61.4	89	27	4.47	2.98	2.06	3.17	0.0	8	15	7	8
1932.....	64.0	94	28	2.78	1.63	1.11	1.84	0.0	6	16	8	6
1933.....	62.1	89	29	3.48	3.61	5.05	4.05	0.0	10	14	8	8
1934.....	63.9	94	24	3.92	5.53	2.44	3.96	T.	9	16	7	7
1935.....	64.4	94	26	6.46	3.52	3.49	4.49	0.0	10	12	9	9
1936.....	62.1	94	21	9.61	5.52	5.10	7.71	T.	9	15	6	9
1937.....	62.0	93	24	7.74	7.03	6.11	6.96	0.0	9	17	5	8
1938.....	63.6	95	22	7.80	9.10	3.74	6.88	T.	8	16	5	9
1939.....	62.7	89	24	3.43	2.70	4.82	3.65	T.	9	16	8	6
1940.....	61.6	94	22	3.41	2.75	2.92	3.03	0.0	7	13	7	10
1941.....	65.4	97	33	2.66	1.87	1.64	2.06	0.0	7	13	8	9
1942.....	61.1	96	20	1.23	1.63	1.27	1.38	0.0	2	20	7	3
1943.....	62.7	95	20	5.37	3.57	2.61	3.88	T.	6	17	8	5
1944.....	62.3	91	19	5.63	7.08	7.88	6.86	0.0	12	13	8	9
1945.....	66.4	95	22	6.79	6.44	6.91	6.71	0.0	8	15	7	8
1946.....	65.4	92	26	4.04	3.15	3.27	3.49	0.0	8	16	8	6
1947.....	66.4	92	31	4.73	4.97	5.95	5.22	0.0	9	9	10	11
Period.....	63.5	99	16	4.39	3.77	3.49	8.88	T.	7	15	8	7





Daily Temperatures for April 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Stations, Data, days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta -5-19-47-930)

# CLIMATOLOGICAL DATA

7

## GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., MAY 1947 No. 5

### GENERAL SUMMARY

Temperatures averaged moderately below normal with unseasonably cool weather during the first 13 days. The coolest weather of the month occurred about the 9th, when far northern counties had temperatures a few degrees below freezing with frost; in other sections, lowest readings were mostly above 40°. Substantially warmer conditions prevailed during the latter half of the month, when temperatures were almost continuously above normal. Highest temperatures, ranging between 90° and 95° at most stations, occurred generally on the 15th or a day later.

Precipitation for the State as a whole averaged 124 % of normal; the northern division had a slight deficiency, while the other two divisions had excesses of more than 1 inch. Largest monthly totals, measuring 5 to more than 10 inches, occurred in the southwest, while extreme eastern districts had less than 3 inches. Moderate to heavy rains occurred on the 1st and during the period, 20-22d, with somewhat lighter but general falls on the 5th, 25-26th, and 29-30th.

Unseasonably cool weather during the first part of the month retarded germination and growth of crops in a marked degree, and although night coolness later in the month had some retarding effect, conditions were much more favorable for growth. The long dry period, 6th to 20th, caused considerable drying of the soil, but rainy conditions later on overcame this deficiency; in fact, the soil became too wet for much planting and cultivation.

Hail and high winds affected a large part of the State's area on May 1st, with damages done in at least three separate areas. At about noon in the northwest, at Ringgold, a small school building was lifted from its foundation by high winds and completely disabled, injuring 15 occupants; numerous trees and transmission lines were blown down in parts of Catoosa, Whitfield, and Murray Counties. In the central section between Butler and Perry, moderate to heavy hail fell about 4:00 p. m. and caused considerable damage to peaches, cotton, corn, and other crops, with losses probably exceeding \$25,000. At Waycross late in the afternoon, a local windstorm blew down a number of trees, which tore down telephone lines and damaged the side of a grocery store. At Brunswick, a storm of tornadic character struck the local airport at 8:00 p. m. and badly damaged an airplane; no other damage was done. On the afternoon of the 21st, a storm of tornadic character struck near Americus and lifted from the ground soon after it hit; the only damages done were the unroofing of a home and a barn.

### ERRATA

March, 1947.—Page 10: Mean temperature, Cordele, 51.0; Cornelia, 44.2; Fort Gaines, 51.7; Hoggards Mill, 52.6; Montezuma, 52.0; temperature departure, Americus,—6.5; Cordele,—9.4; Cornelia,—6.4; Dalton,—9.0; Fort Gaines,—7.2; highest temperature and date, Bainbridge, 80 on 24th; Camilla, 81 on 24th; Cartersville, 71 on 23d; Dalton, 82 on 24th; Lumber City, 78 on 24th; Montezuma, 83 on 24th; Newnan, 78 on 24th; Tifton, 81 on 24th; lowest temperature and date, Fort Gaines, 23 on 3d; total precipitation, Cordele, 7.43; Fort Gaines, 8.79; Greensboro, 7.71; Hawkinsville, 7.42; Thomasville, 8.17; precipitation departure, Americus, +1.60; Cordele, +3.15; Experiment, +4.27; Fort Gaines, +3.80; Greensboro, +2.76; Hawkinsville, +2.57; Montezuma, +0.83; Quitman, +2.89; Thomasville, +4.08; greatest precipitation in 24 hours, Millen, 3.16 on 7th; days precipitation .01 inch or more, Fort Gaines, 9; Swainsboro, 10. Page 11: Daily precipitation, Fort Gaines, .86 on 19th; Greensboro, 1.52 on 8th; Hawkinsville, .11 on 20th; Thomasville, 1.29 on 30th; total precipitation, Cordele, 7.43; Fort Gaines, 8.79; Greensboro, 7.71; Hawkinsville, 7.42; Thomasville, 8.17. Page 12: Cordele, maximum temperature, 54 on 30th; 67 on 31st; minimum temperature, 50 on 31st; mean maximum, 61.3; Washington, maximum, temperature, 67 on 31st; mean maximum, 60.0.

### TEMPERATURE

The monthly mean temperature from the records of 67 stations was 70.6°, or 0.9° below normal. The highest monthly mean temperature was 76.4° at Brunswick, and the lowest was 62.8° at Blairsville. The highest temperature recorded was 99° at Folkston on the 17th. The lowest was 28° at Blairsville on the 9th.

### PRECIPITATION

The average precipitation for the month, 69 stations report-

ing, was 4.29 inches, or 0.83 inch above normal. The greatest amount was 10.41 inches at Blakely, and the least was 1.44 inches at Savannah Beach. The average number of days with 0.01 inch or more of precipitation was 9. The greatest amount in any 24 hours was 4.17 inches at Blakely on the 21st.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.40	11	29.73	3	10.3	34	nw.	2	78	46	54	73	38
Augusta .....	30.42	11	29.71	3	6.2	28	w.	1	79	38	44	78	16
Macon .....	30.37	11	29.72	3	6.4	29	sw.	28	73	46	56	80	22
Savannah .....	30.38	11	29.71	3	10.1	30	nw.	1	86	55	74	66	6

### COMPARATIVE STATE DATA FOR MAY

Year	Temperature			Precipitation				Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	71.5	97	36	2.12	2.60	1.84	2.19	.....	6	14	10	7
1893.....	70.2	100	38	4.89	3.93	4.08	4.30	.....	8	15	9	7
1894.....	71.4	98	35	2.70	2.56	2.37	2.54	.....	7	14	13	4
1895.....	69.6	99	31	5.39	4.00	3.29	4.23	.....	11	10	12	9
1896.....	76.1	101	47	2.94	2.13	2.39	2.48	0.0	7	16	12	3
1897.....	69.8	98	34	1.25	1.72	1.60	1.52	0.0	4	20	8	3
1898.....	74.2	103	35	1.16	0.98	1.30	1.15	0.0	4	20	9	2
1899.....	75.2	101	41	1.87	1.71	2.09	1.89	0.0	5	18	11	2
1900.....	70.9	95	32	2.94	2.09	2.40	2.48	0.0	8	14	12	5
1901.....	71.5	93	40	6.86	5.41	5.08	5.78	0.0	11	11	13	7
1902.....	75.6	102	41	1.72	2.42	2.85	2.33	0.0	6	14	12	5
1903.....	70.3	103	39	3.11	5.78	7.62	5.50	0.0	12	9	9	13
1904.....	70.6	100	38	2.43	2.28	2.01	2.24	0.0	5	15	10	6
1905.....	74.5	101	46	6.20	3.93	5.12	5.08	0.0	10	13	10	8
1906.....	70.2	99	29	3.64	3.00	6.94	4.53	0.0	8	16	8	7
1907.....	70.3	95	38	4.76	4.24	3.75	4.25	0.0	10	13	10	8
1908.....	72.1	101	34	2.55	2.47	3.10	2.71	0.0	6	16	10	5
1909.....	69.8	98	31	5.26	5.09	2.90	4.42	0.0	9	14	12	5
1910.....	69.7	100	33	6.46	2.94	1.79	3.73	0.0	8	16	7	8
1911.....	72.9	101	36	1.80	2.00	2.65	2.15	0.0	6	19	6	6
1912.....	72.7	101	37	4.35	3.97	3.97	4.10	0.0	9	16	7	8
1913.....	72.0	102	40	3.04	2.18	1.63	2.30	0.0	6	18	8	5
1914.....	72.7	103	36	0.62	0.48	1.13	0.74	0.0	3	21	6	4
1915.....	74.5	102	40	6.23	6.65	7.17	6.68	0.0	10	14	9	8
1916.....	74.1	103	38	3.88	2.05	2.50	2.81	0.0	5	19	8	4
1917.....	66.9	100	30	2.98	2.43	2.87	2.76	0.0	6	19	7	5
1918.....	72.9	102	32	2.08	1.61	1.86	1.85	0.0	5	18	8	5
1919.....	71.3	98	39	3.98	4.02	5.96	4.66	0.0	13	11	9	11
1920.....	69.4	98	40	4.61	4.78	4.03	4.47	0.0	9	12	10	9
1921.....	70.0	101	34	3.49	4.06	4.80	4.12	0.0	8	13	10	8
1922.....	71.8	99	40	7.04	7.00	7.52	7.19	0.0	15	10	9	12
1923.....	68.9	98	30	10.04	9.16	7.20	8.80	0.0	15	9	7	15
1924.....	65.5	98	34	4.99	3.26	3.12	3.79	0.0	9	17	7	7
1925.....	70.0	100	28	1.94	1.56	1.92	1.81	0.0	6	17	7	7
1926.....	71.1	103	40	1.11	1.28	2.64	1.68	0.0	5	19	6	6
1927.....	73.2	104	34	1.85	1.54	1.39	1.59	0.0	6	17	10	4
1928.....	68.8	98	37	6.23	4.19	2.03	4.15	0.0	9	14	9	8
1929.....	71.3	97	34	7.75	5.26	3.95	5.65	0.0	11	12	11	8
1930.....	73.1	98	43	4.29	2.04	1.00	2.41	0.0	7	14	10	7
1931.....	69.1	98	33	3.22	3.60	3.44	3.42	0.0	8	18	7	6
1932.....	70.4	97	37	4.23	2.91	3.82	3.65	0.0	8	17	7	7
1933.....	76.0	101	42	4.18	2.65	1.87	2.90	0.0	7	18	8	5
1934.....	70.5	96	36	4.64	4.65	6.85	5.39	0.0	10	13	9	9
1935.....	72.3	98	33	3.55	2.07	2.88	2.83	0.0	7	16	9	6
1936.....	73.3	100	35	0.75	0.52	2.00	1.09	0.0	4	19	9	3
1937.....	71.9	102	36	2.50	2.15	1.87	2.17	0.0	7	18	9	4
1938.....	72.8	102	38	3.49	3.54	3.38	3.47	0.0	10	13	10	8
1939.....	70.4	96	27	4.48	3.61	4.28	4.12	0.0	11	12	9	10
1940.....	69.3	98	29	2.42	1.84	2.17	2.14	0.0	8	19	8	4
1941.....	72.8	103	29	0.95	0.74	1.01	0.90	0.0	3	22	6	3
1942.....	71.3	95	38	5.49	3.94	3.44	4.29	0.0	8	15	9	7
1943.....	72.8	98	32	3.39	4.88	4.98	4.25	0.0	8	16	8	7
1944.....	72.8	99	30	2.59	1.74	2.11	2.15	0.0	6	17	10	4
1945.....	68.8	102	35	3.33	2.96	2.36	2.88	T.	8	16	8	7
1946.....	70.5	93	33	7.19	5.52	6.77	6.73	0.0	13	10	11	10
1947.....	70.6	99	28	3.64	4.31	4.91	4.29	0.0	9	14	11	6
Period.....	71.5	101	27	3.76	3.21	3.40	3.46	T.	7	15	9	6

Climatological Data for May 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, Ending Date, Snowfall un-melted), Number of days (Precipitation .01 inch or more, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Includes sections for Northern, Middle, and Southern Divisions.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\*Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡, §, etc. Number of days missing for example, ‡ indicates two days missing. ITALICS Data interpolated. § Partly interpolated. † Also on other dates. ‡ Received too late to be included in means and summaries. \* Best available used for stations not equipped with recorders. †† Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.

Daily Precipitation for May 1947

Table with columns for Stations, Drainage basins, Day of month (1-31), and Total. Rows are categorized by Northern Division, Middle Division, and Southern Division. Includes precipitation values for various stations like Adairsville, Athens, Atlanta, etc.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. 2 Measured in the morning; for the preceding 24-hours. 3 Partly for 24 hours ending at 1:30 a.m. of following day. T. Trace or 0.005 inch or less. \* Included in the next measurement. ITALICS Data Interpolated. † Partly interpolated.

Daily Temperatures for May 1947

Table with columns for Stations (Northern, Middle, Southern Divisions) and days 1-31, plus a Mean column. Rows include Athens, Atlanta Airport, Clayton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, °, etc. Number of days missing, for example, ° indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Stations and days 1-31, plus a Monthly column. Rows include Athens, Experiment, Hoggards Mill, Rome, Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta -6-20-47-1100)



# CLIMATOLOGICAL DATA

7

## GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., JUNE 1947 No. 6

### GENERAL SUMMARY

June, 1947, averaged well below normal in temperature, with deficiencies during the first 5 days and almost continuously from the 12th to 26th. Unseasonably cool weather prevailed from the 21st to 25th, during which the coolest weather of the month occurred; minimum temperatures ranged from slightly lower than 50° in the north to 55° or slightly higher in the south. Rather warm conditions prevailed from the 6th to 11th, with hottest weather of the month occurring generally about the 9th with readings of 95° to 100°.

Rainfall occurred in well-timed intervals and was substantial enough to produce a State average that exceeded normal by about 20%. Light to moderate showers occurred on the 2-3d, 25-26th, and 27-28th, being more general in the north than elsewhere, and moderate to heavy rains occurred generally over the State during the two periods, 12-14th and 20-22d. Rainfall was very unevenly distributed over the State; totals of 6 to 8 inches or more were accumulated in the coastal area and in the far southwest, also over a narrow area from Tallapoosa to Milledgeville. Least totals of 3 inches or less occurred in several small areas of central and southern districts. Heavy rains about the 13th and 21st produced 24-hour totals of 2 inches or more at many stations throughout the State, and two stations in the coastal area had totals in excess of 5 inches.

High winds and heavy hail struck several communities in Wayne County on the afternoon of the 9th, causing heavy losses to crops estimated at \$5,000, with miscellaneous property damages amounting to about \$500. On the same afternoon near the western outskirts of Savannah, high winds, accompanied by light to moderate hail, caused considerable damage to two dairy buildings and an airport hangar, with losses estimated at \$6,500. On the late afternoon of the 11th, lightning struck a huge barn in northwestern Atlanta, causing it to be completely destroyed by fire; 5 horses were killed and considerable feedstuff, saddles, and other similar equipment were destroyed; losses were placed at \$40,000.

Weather conditions were mostly favorable for growing crops, which have been somewhat backward in development. Rainy conditions about the 13th and 21st were rather unfavorable for cotton and fruits, but generally beneficial for other crops. Considerable harvesting of peaches and vegetables was done, and harvesting of grain and Irish potatoes was completed by the close of the month.

### ERRATA

April, 1947.—Page 14: Mean temperature and departure, Quitman, 73.1 +5.5; Thomasville, 70.2 +3.5; temperature departure, Albany +4.0; maximum temperature and date, Thomasville 88.7th; minimum temperature and date, Covington 33.18th; total precipitation and departure, LaFayette 4.34 -1.14; Louisville 4.05 +0.69; West Point 4.76 +0.24; precipitation departure, Griffin +1.19; greatest precipitation in 24 hours and date, Atlanta (City) 1.09. 14th; LaFayette 1.14. 16th; Newnan 1.12. 11th; Savannah Airport 1.56. 16th. Page 15: Daily precipitation, LaFayette 10th, delete; 20th, .15; West Point 17th, .05. Page 16: Maximum temperature, Thomasville 1st, delete; 2-30th, change to appear on 1-29th; 30th, 84; mean maximum, 80.8; Experiment, evaporation 17th, .296; 30th, .110; monthly total, 5.079.

### TEMPERATURE

The monthly mean temperature from the records of 68 stations was 76.7°, or 1.5° below normal. The highest monthly mean temperature was 80.6° at Albany, and the lowest was 69.7° at Blairsville. The highest temperature recorded was 102° at Camp Stewart on the 8th. The lowest was 43° at Blairsville and Clayton on the 9th.

### PRECIPITATION

The average precipitation for the month, 69 stations report-

ing, was 5.22 inches, or 0.79 inch above normal. The greatest amount was 11.74 inches at Savannah Airport, and the least was 2.42 inches at Albany Airport. The average number of days with 0.01 inch or more of precipitation was 9. The greatest amount in any 24 hours was 6.00 inches at Savannah Airport on the 21st.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.20	23	29.79	14	9.3	25	ne.	22	84	53	60	67	5
Augusta .....	30.23	5	29.79	14	5.5	20	sw.	20	81	52	58	73	1
Macon .....	30.18	5	29.76	14	5.9	18	s.	13	83	51	57	77	1
Savannah .....	30.19	5	29.79	12	9.2	33	ne.	22	88	61	76	60	0

### COMPARATIVE STATE DATA FOR JUNE

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	77.9	100	54	6.75	5.33	6.26	6.11	.....	12	10	10	10
1893.....	76.6	98	52	5.84	6.02	6.15	6.00	.....	11	12	11	7
1894.....	77.8	104	39	2.37	2.75	3.11	2.74	.....	6	14	13	8
1895.....	78.1	104	43	3.99	3.99	4.22	3.87	.....	8	12	14	4
1896.....	77.7	104	46	2.92	3.27	4.22	3.47	0.0	9	12	11	7
1897.....	80.9	104	47	2.83	3.54	3.81	3.39	0.0	8	13	14	3
1898.....	80.3	103	50	2.89	3.02	3.81	3.24	0.0	7	16	12	2
1899.....	80.2	105	50	2.65	2.05	2.59	2.43	0.0	6	15	11	4
1900.....	76.5	99	58	11.36	9.15	6.71	9.07	0.0	17	1	17	12
1901.....	77.8	103	47	4.67	5.53	5.40	5.20	0.0	12	10	15	5
1902.....	79.6	103	49	2.21	3.14	5.35	3.58	0.0	6	13	13	4
1903.....	74.4	99	41	6.75	5.38	5.99	6.04	0.0	11	10	13	7
1904.....	77.5	103	44	3.08	3.22	2.94	0.0	0.0	7	14	12	4
1905.....	79.0	102	44	3.89	3.22	3.79	3.68	0.0	8	14	11	5
1906.....	78.6	103	55	6.31	6.91	5.92	6.33	0.0	9	14	11	5
1907.....	76.2	101	43	3.62	4.08	5.03	4.24	0.0	7	15	11	4
1908.....	77.6	103	50	3.11	3.63	3.20	3.31	0.0	7	15	11	4
1909.....	78.6	103	55	7.13	5.09	4.19	5.47	0.0	11	9	15	6
1910.....	75.2	101	39	7.17	6.14	8.06	7.12	0.0	13	11	8	11
1911.....	81.0	105	48	2.24	2.81	3.20	2.75	0.0	7	17	9	4
1912.....	75.5	102	42	6.97	7.66	5.72	6.78	0.0	11	11	8	11
1913.....	76.6	104	40	3.93	5.04	5.64	4.87	0.0	10	17	7	6
1914.....	82.2	109	51	2.63	3.31	4.63	3.52	0.0	8	18	7	5
1915.....	77.8	106	43	4.20	4.19	2.98	3.79	0.0	8	17	7	6
1916.....	77.1	101	43	4.24	3.94	4.62	4.27	0.0	10	12	10	8
1917.....	77.4	103	41	3.70	2.83	2.70	3.08	0.0	7	15	11	4
1918.....	78.8	105	47	4.05	3.55	4.59	4.06	0.0	8	13	9	8
1919.....	77.7	101	53	5.60	5.75	6.66	6.00	0.0	12	11	8	11
1920.....	77.6	105	47	3.88	2.49	3.75	3.37	0.0	7	17	8	5
1921.....	80.2	104	52	2.02	2.58	3.35	2.65	0.0	7	14	12	4
1922.....	78.7	104	48	4.37	5.32	5.53	5.07	0.0	10	14	11	5
1923.....	76.4	99	43	3.70	4.68	7.36	5.25	0.0	12	12	10	8
1924.....	79.6	105	45	3.10	4.88	5.19	4.39	0.0	10	14	10	6
1925.....	80.6	105	49	1.21	2.64	4.74	2.86	0.0	8	15	9	6
1926.....	77.7	102	39	2.91	4.58	4.55	4.01	0.0	10	14	8	8
1927.....	77.7	108	50	4.65	5.90	6.39	5.65	0.0	14	10	10	10
1928.....	76.4	105	43	6.37	5.90	5.63	5.97	0.0	13	11	10	9
1929.....	76.1	103	44	4.72	5.23	5.72	5.22	0.0	12	12	10	8
1930.....	75.9	106	38	2.55	3.81	4.86	3.74	0.0	10	15	8	7
1931.....	80.0	109	41	2.04	1.48	1.99	1.84	0.0	5	20	8	2
1932.....	78.1	107	46	6.02	5.67	7.79	6.49	0.0	14	10	11	9
1933.....	79.1	108	34	3.03	3.01	2.86	2.97	0.0	7	18	8	4
1934.....	79.2	103	49	5.78	5.05	4.82	5.22	0.0	10	15	10	5
1935.....	77.9	103	44	2.27	2.83	2.93	2.68	0.0	7	15	10	5
1936.....	79.3	106	36	2.65	2.82	3.70	3.06	0.0	7	17	10	3
1937.....	79.8	101	47	3.56	3.91	5.43	4.30	0.0	10	12	14	4
1938.....	76.1	99	48	5.55	5.29	5.63	5.49	0.0	11	13	10	7
1939.....	79.5	103	51	3.64	4.20	6.14	4.66	0.0	13	11	10	9
1940.....	77.9	102	45	4.28	4.36	5.40	4.68	0.0	11	12	11	7
1941.....	78.4	105	43	5.30	6.31	7.19	6.27	0.0	14	7	11	12
1942.....	78.5	100	50	3.89	4.21	7.05	5.05	0.0	11	11	11	8
1943.....	80.8	105	52	4.65	3.70	4.63	4.33	0.0	10	14	11	5
1944.....	80.7	106	46	1.92	2.74	3.41	2.69	0.0	7	17	9	4
1945.....	78.7	105	41	2.93	2.95	3.86	3.25	0.0	8	13	11	6
1946.....	76.6	101	39	3.86	3.87	4.95	4.23	0.0	8	14	10	6
1947.....	76.7	102	43	5.10	5.33	5.22	5.22	0.0	9	12	10	8
Period.....	78.2	109	84	4.16	4.26	4.86	4.43	0.0	9	13	11	6

Climatological Data for June 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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Includes sections for Northern, Middle, and Southern Divisions, and State means and extremes.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\*Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. a, b, c, etc. Number of days missing for example, b indicates two days missing. ITALICS Data interpolated. ‡ Partly Interpolated. † Also on other dates. ‡ Received too late to be included in means and summaries. \* Best available used for stations not equipped with recorders. †† Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Temperatures for June 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Evaporation Data

Table with columns for Stations, Data, and days 1-31, and Monthly. Rows include Athens, Experiment, Hoggards Mill, Rome, and Tifton, with sub-rows for Evaporation and Wind Movement.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta - 7-18-47-1100)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

7 GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., JULY 1947 No. 7

GENERAL SUMMARY

This was the coolest and driest July on record in Georgia, with remarkably low averages in both temperature and rainfall. Temperatures averaged approximately 1° lower than the previous low record mean of 1918 and almost 3° lower than the July normal. Daily readings were almost continuously below normal, with largest deficiencies during the periods, 6-9th and 22-25th. Lowest temperatures, ranging from slightly lower than 50° in the far north to slightly higher than 60° in southernmost areas, occurred mostly on the 6th or 9th; many of these readings closely approached record low temperatures for July. Excesses occurred only on the 1-2d, 14-15th, and 30-31st, and highest temperatures were mostly between 95° and 100°, with occurrences on the 1st or 31st.

The average rainfall was the least of any July since the beginning of records and was only 52% of normal. Although conditions became rather dry near the close of the month, no serious lack of soil moisture developed. Rainfall occurred in favorably interspersed intervals, with general falls chiefly during the periods, 1-2d, 6-8th, 16-19th, and 28-29th. The northern division, which suffered most from dry weather, had only one day with rain after the 19th; in the same period, the southern division had rain on 5 or more days.

Several severe thunderstorms occurred, with resulting damage. On the 8th, heavy hail swept a distance of 20 miles or more from near Commerce to the western edge of Elbert County; crops in this area were very heavily damaged or ruined, with damages to house roofs and numerous window panes broken. Total damages throughout the area amounted to at least \$100,000, almost wholly to crops, and 10 persons were injured from falling hail. On the 16th, heavy hail fell in a small area near Savannah, causing small losses to crops. On the same day at Albany, lightning struck and tore a hole in the roof of one home for a loss of about \$50; high winds tore off limbs from trees, and some power lines were broken down, interrupting services.

Crops were of fair to good quality and made fair progress, though substantially retarded by too little rainfall, especially in the north. Cotton picking was begun in the south late in the month, and harvesting of tobacco had reached its peak at the close of the month. Peanuts were almost ready for harvest, and peach harvesting was completed except in the north.

ERRATA

May, 1947. -Page 18: Thomasville, mean temperature and departure 73.8, -0.2; page 20: mean maximum temperature 84.3. June, 1947. -Page 22: La Fayette, mean temperature and departure 74.6, -2.3; Quitman, greatest 24-hour rainfall and date 0.80, 22d; Tallapoosa, greatest 24-hour rainfall and date 2.00, 22d.

TEMPERATURE

The monthly mean temperature from the records of 70 stations was 77.2°, or 2.8° below normal. The highest monthly mean temperature was 80.8° at Brunswick and Camilla, and the lowest was 69.8° at Blairsville. The highest temperature recorded was 100° at Carlton Bridge on the 31st. The lowest was 45° at Blairsville on the 24th.

PRECIPITATION

The average precipitation for the month, 73 stations report-

ing, was 2.97 inches, or 2.74 inches below normal. The greatest amount was 8.23 inches at Talbotton, and the least was 0.54 inches at Taylorsville. The average number of days with 0.01 inch or more of precipitation was 8. The greatest amount in any 24 hours was 3.18 inches at Talbotton on the 18th.

PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Table with columns: Stations, Sea-level pressure, extremes-inches (Highest, Date, Lowest, Date), Wind (Average hourly velocity, Maximum velocity, Direction, Date), Relative humidity (7:30 a. m., 1:30 p. m., 7:30 p. m.), Percentage of sunshine, Degree days. Rows include Atlanta, Augusta, Macon, Savannah.

COMPARATIVE STATE DATA FOR JULY

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern Division, Middle Division, Southern Division, State average, Average snowfall, Precip. .01 in. or more), Number of days (Clear, Partly cloudy, Cloudy). Rows list years from 1892 to 1947.

Climatological Data for July 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, Ending Date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Also on other dates. § Received to late to be included in means and summaries. ¶ Best available used for stations not equipped with recorders. †† Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Temperatures for July 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. y Partly interpolated.

Evaporation Data

Table with columns for Stations, Data, days 1-31, and Monthly. Rows include Ailey, Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta - 8-26-47 - 1160)



# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., AUGUST 1947 No. 8

## GENERAL SUMMARY

Temperatures for the State as a whole averaged exactly normal, but the northern section had an average temperature excess of more than 1° in contrast to moderate deficiencies in central and southern counties. Excessively warm weather occurred generally during the first 5 days, with moderately above normal warmth from the 21st to 31st; the intervening period, 6th to 20th, was almost continuously below normal. The greatest warmth of the month occurred within the first 5 days, when maximum temperatures of 100° to 105° were recorded in extreme western counties and locally at Millen and Brunswick. Lowest temperatures occurred on several dates between the 6th and 20th, also on the 30th or 31st, with readings ranging mostly from 60° to 65°.

Precipitation was predominantly of the thundershower type and produced a State average slightly less than normal. Total amounts ranged from less than 2 inches in the far northwest and locally in the northeast to slightly more than 10 inches at Hawkinsville. Rainfall occurred with great frequency and regularity, being more or less general during the periods, 2-16th, 18-21st, and 24-27th. Almost every part of the State had at least one fall exceeding 1.00 inch, and 13 stations, mostly in west-central and southwestern sections, had falls of 2 to 3 inches or more on various dates. In connection with a rather severe local thunderstorm at Rome on the 5th, high winds damaged several buildings, blew down a large number of trees, and disrupted power and telephone services; losses were estimated at \$12,000.

Weather conditions at the beginning and during the last few days of the month were fine for harvesting operations, but rainy weather between the 6th and 20th was a hindrance. Picking of cotton was slow until the last week, when it became generally active; some deterioration occurred during the second week, but quality showed up well later in the month. Corn reached maturity, but little or no harvesting was done. Sweet potatoes made fine growth, and some harvesting was done in the south late in the month. Tobacco harvesting was completed by the 15th. Vegetable harvesting was mostly completed during the first two weeks, and some fall planting was done. Peanuts began to mature late in the month, and harvesting made good progress during the last week.

### TEMPERATURE

The monthly mean temperature from the records of 70 stations was 79.5°, or exactly normal. The highest monthly mean temperature was 82.0° at Camilla and Savannah Beach, and the lowest was 75.2° at Blairsville. The highest temperature recorded was 105° at Cedartown and Rome Airport on the 4th. The lowest was 55° at Tallapoosa on the 22d.

### PRECIPITATION

The average precipitation for the month, 74 stations report-

ing, was 4.95 inches, or 0.25 inch below normal. The greatest amount was 10.11 inches at Hawkinsville, and the least was 1.04 inches at Dalton. The average number of days with 0.01 inch or more of precipitation was 12. The greatest amount in any 24 hours was 3.69 inches at Woodbury on the 7th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.24	27	29.89	9	7.6	27	n.	2	90	58	71	59	0
Augusta.....	30.28	12	29.88	26	4.5	25	n.	26	91	60	73	72	0
Macon .....	30.27	17	29.87	9	5.1	30	n.	4	90	59	72	72	0
Savannah .....	30.29	12	29.89	9	7.7	43	ne.	4	92	65	74	47	0

## COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	79.1	100	58	5.39	4.96	8.82	6.39	.....	13	9	12	10
1893.....	78.7	98	54	3.94	8.41	6.36	6.24	.....	11	11	12	8
1894.....	78.5	104	56	4.70	7.29	8.36	6.78	.....	14	6	13	12
1895.....	79.3	100	47	8.30	7.61	6.73	7.51	.....	13	10	16	6
1896.....	81.3	104	51	1.80	2.98	4.19	2.99	0.0	7	18	10	3
1897.....	78.5	102	50	3.93	5.03	6.16	5.04	0.0	9	13	9	9
1898.....	78.8	99	59	8.01	10.99	12.16	10.39	0.0	16	7	13	11
1899.....	81.0	102	58	4.42	4.08	5.67	4.72	0.0	10	13	13	5
1900.....	81.9	106	60	1.72	3.08	2.86	2.55	0.0	6	19	11	1
1901.....	78.2	98	55	13.59	7.71	8.31	9.87	0.0	18	6	17	8
1902.....	80.1	104	55	3.65	4.06	3.87	3.89	0.0	9	10	15	6
1903.....	80.6	104	56	3.77	5.46	7.73	5.65	0.0	11	14	12	5
1904.....	77.9	101	54	6.63	7.74	7.73	7.37	0.0	13	10	13	8
1905.....	78.7	102	52	4.95	4.72	4.54	4.74	0.0	10	12	11	8
1906.....	80.2	102	59	5.98	5.78	5.84	5.87	0.0	13	11	15	5
1907.....	79.7	103	52	3.41	3.27	5.75	4.14	0.0	9	13	14	4
1908.....	79.2	104	64	8.91	5.13	4.25	6.10	0.0	9	12	12	7
1099.....	79.7	104	50	4.58	4.25	4.76	4.53	0.0	9	14	12	5
1910.....	79.1	102	55	3.70	3.41	4.37	3.88	0.0	8	14	9	8
1911.....	79.4	100	51	3.96	5.32	8.90	6.06	0.0	12	13	10	8
1912.....	79.1	101	52	4.38	4.06	6.31	4.92	0.0	10	11	10	10
1913.....	79.4	100	53	4.48	3.41	5.37	4.09	0.0	9	17	9	5
1914.....	79.1	99	55	5.04	6.02	6.79	5.95	0.0	13	11	10	10
1915.....	79.7	105	53	2.23	4.86	5.29	5.13	0.0	12	12	11	8
1916.....	80.0	103	53	3.23	3.02	3.17	3.14	0.0	8	15	11	8
1917.....	78.4	100	46	5.12	4.10	7.47	4.56	0.0	11	13	11	7
1918.....	80.1	106	50	3.65	3.69	5.79	4.38	0.0	8	17	8	6
1919.....	79.0	103	52	3.98	5.68	7.76	5.81	0.0	12	12	10	9
1920.....	77.9	101	54	9.58	6.79	7.46	7.94	0.0	15	7	11	13
1921.....	79.2	103	54	4.76	4.68	4.24	4.56	0.0	11	13	10	8
1922.....	77.7	103	45	2.47	3.34	4.54	3.45	0.0	10	13	9	9
1923.....	79.7	101	50	4.87	5.99	5.93	5.60	0.0	11	12	10	9
1924.....	81.6	107	53	2.68	2.27	2.46	2.47	0.0	7	19	8	4
1925.....	80.5	110	45	0.61	1.06	3.63	1.77	0.0	5	18	7	6
1926.....	80.8	102	50	6.17	4.10	4.98	5.08	0.0	12	16	9	6
1927.....	78.0	103	46	2.79	3.73	4.98	3.83	0.0	9	14	11	6
1928.....	79.6	100	56	8.09	10.66	10.67	9.81	0.0	14	12	10	9
1929.....	79.3	102	48	2.00	2.64	4.86	3.17	0.0	8	14	12	5
1930.....	78.3	105	44	1.43	2.03	2.07	1.84	0.0	5	16	11	4
1931.....	78.6	104	46	3.70	4.56	6.50	4.92	0.0	10	14	10	7
1932.....	79.4	103	44	4.76	5.19	8.12	6.02	0.0	13	12	9	10
1933.....	79.7	103	52	4.13	3.74	4.70	4.19	0.0	10	13	12	6
1934.....	80.5	102	55	5.00	4.45	5.88	5.11	0.0	12	12	12	7
1935.....	80.1	105	46	5.28	5.38	6.32	5.66	0.0	12	11	11	9
1936.....	80.3	103	46	5.84	6.36	7.04	6.41	0.0	10	15	11	5
1937.....	79.7	100	57	6.63	5.74	6.61	6.33	0.0	14	10	13	8
1938.....	81.3	105	53	2.57	2.80	3.69	3.02	0.0	8	18	9	4
1939.....	78.3	104	48	6.98	6.33	7.97	7.09	0.0	15	11	11	9
1940.....	79.9	101	51	8.85	6.59	5.84	7.09	0.0	10	12	12	7
1941.....	81.1	101	53	3.97	1.03	4.87	4.29	0.0	11	12	13	6
1942.....	78.5	104	45	6.84	5.15	5.28	5.76	0.0	12	14	9	8
1943.....	81.0	105	50	3.33	8.69	4.85	3.96	0.0	9	16	10	5
1944.....	78.4	99	54	3.39	4.71	6.75	4.95	0.0	13	10	12	9
1945.....	78.8	99	50	3.65	3.47	6.57	4.53	0.0	10	12	13	6
1946.....	78.4	101	46	2.05	3.38	5.36	3.60	0.0	9	11	13	7
1947.....	79.5	105	55	3.67	5.23	5.94	4.95	0.0	12	9	15	7
Period.....	79.5	110	44	4.74	4.91	5.97	5.20	0.0	11	13	11	7

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, Ending date, Snowfall), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Rows are categorized into Northern, Middle, and Southern Divisions.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\*Observations taken at the Bartow Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. T. Trace or 0.005 inch or less. \*, b, c, etc. Number of days missing for example, b indicates two days missing. ITALICS Data interpolated. † Partly interpolated. ‡ Also on other dates. † Received too late to be included in means and summaries. \* Best available used for stations not equipped with recorders. †† Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Temperatures for August 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Daily Evaporation (inches) and Wind Movement (miles)

Table with columns for Stations, Data, days 1-31, and Monthly. Rows list stations like Ailey, Athens, Experiment, etc., with sub-rows for Evaporation and Wind Movement.

† Record from 4-cup anemometer (uncorrected).

\* Included in the next measurement.

‡ Estimated.

(WB, Atlanta - 9-29-47-1100)

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., SEPTEMBER 1947 No. 9

## GENERAL SUMMARY

Temperatures for the State as a whole averaged slightly above normal; excesses amounted to more than 2° over a large part of the northern section, while deficiencies extended over about one-half of the central and southern divisions of the State. Above normal warmth predominated during the first 22 days, after which deficiencies prevailed until the close of the month. Greatest warmth occurred generally on the 2d, when readings of 95° to 100° were recorded, and temperatures were near or above 90° almost every day of the first two weeks in all areas except the mountains. The last three days were much cooler than the preceding period, and minimum temperatures at most stations fell within a few degrees of record low temperatures for September; readings were locally as low as freezing in the far northeast.

Precipitation averaged slightly less than normal for the State, with an extreme range in totals from less than 1.00 inch in the northwest to more than 14.00 inches on the coast. Moderate to large deficiencies overspread northern and western counties, while very large excesses occurred in the southeast. Rainfall was general during the periods, 9-12th, 15-16th, 19-20th, and 23-24th, with widely scattered showers on several other dates. The heavier rains in the southeast were due chiefly to the effects of two tropical hurricanes, one passing at a distance through the Gulf of Mexico on the 17-18th, the other moving into southeastern Georgia on the 23d and continuing northeastward through the coastal section. The second storm caused some very heavy falls of rain in the southeast that badly washed the soil but no other damages of any consequence occurred.

Weather conditions were mostly too dry in northern and central counties for fall planting and growth of late crops, though very favorable for harvesting activities. In the south, however, the soil was kept too wet after the first week for much field activity, and some early planted crops suffered deterioration from too much rain, especially during the period, 23-25th. By the close of the month, most of the cotton and peanut crops had been harvested, but little progress had been made in the sowing of grain, planting of truck crops, or harvesting of either seasoned corn or sweet potatoes.

### TEMPERATURE

The monthly mean temperature from the records of 68 stations was 75.8°, or 0.4° above normal. The highest monthly mean temperature was 79.0° at Quitman, and the lowest was 70.6° at Blairsville and Clayton. The highest temperature recorded was 101° at Camilla on the 2d. The lowest was 31° at Clayton on the 28th.

### PRECIPITATION

The average precipitation for the month, 70 stations report-

ing, was 3.37 inches, or 0.26 inch below normal. The greatest amount was 14.80 inches at Folkston, and the least was 0.19 inch at Tallapoosa. The average number of days with 0.01 inch or more of precipitation was 7. The greatest amount in any 24 hours was 7.47 inches at Brunswick on the 23d.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.43	28	29.81	24	9.8	31	e.	23	85	79	60	62	23
Augusta .....	30.42	27	29.68	24	6.4	22	nw.	15	86	53	67	77	22
Macon .....	30.40	27	29.73	24	6.7	24	nw.	15	86	53	65	75	19
Savannah .....	30.33	28	29.52	24	10.3	33	ne.	23	89	61	74	52	5

## COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	72.3	94	43	3.02	4.47	4.52	4.00	.....	6	14	8	8
1893.....	74.7	99	44	5.49	3.73	4.12	4.45	.....	7	15	8	7
1894.....	75.2	98	46	3.19	3.83	4.05	3.69	.....	7	13	11	7
1895.....	77.1	100	36	1.40	1.08	2.00	1.49	.....	4	17	9	6
1896.....	76.5	107	35	2.81	2.05	2.45	2.34	0.0	4	17	10	4
1897.....	74.1	99	37	0.67	1.81	4.55	2.44	0.0	4	17	8	5
1898.....	75.2	98	51	7.88	3.46	2.77	4.70	0.0	7	12	9	3
1899.....	73.2	102	34	1.69	1.22	1.88	1.60	0.0	4	20	9	3
1900.....	77.1	100	41	4.33	2.57	2.57	3.16	0.0	5	16	7	3
1901.....	72.9	99	41	4.72	5.47	5.73	5.31	0.0	5	20	7	3
1902.....	73.0	99	40	5.34	2.61	5.97	4.64	0.0	5	15	10	10
1903.....	73.1	99	40	2.58	4.39	5.32	4.43	0.0	5	15	10	5
1904.....	76.3	101	44	0.78	0.77	2.30	1.28	0.0	6	18	9	3
1905.....	76.9	102	51	1.76	2.37	4.69	2.94	0.0	7	17	7	6
1906.....	77.5	99	54	6.45	4.36	4.06	4.96	0.0	11	11	11	8
1907.....	75.6	102	46	5.57	5.54	7.35	6.15	0.0	11	12	11	7
1908.....	73.2	99	38	2.11	2.07	5.02	3.07	0.0	6	14	9	7
1909.....	74.2	101	36	3.02	2.78	3.63	3.14	0.0	6	12	11	7
1910.....	76.3	103	43	2.50	2.58	2.30	2.46	0.0	6	14	9	6
1911.....	79.6	100	58	2.63	2.85	3.38	2.95	0.0	6	16	8	5
1912.....	77.4	103	46	4.49	5.24	7.54	5.76	0.0	12	11	7	12
1913.....	72.4	97	36	4.66	4.28	3.31	4.08	0.0	10	14	6	10
1914.....	72.8	99	38	2.48	3.19	5.04	3.57	0.0	7	14	8	8
1915.....	76.7	102	41	3.13	2.43	4.25	2.70	0.0	9	11	9	4
1916.....	73.5	98	35	2.23	2.52	2.07	2.21	0.0	6	15	8	7
1917.....	72.5	102	43	6.15	6.45	4.29	5.63	0.0	8	15	9	10
1918.....	70.9	97	35	3.67	2.55	3.58	3.27	0.0	8	15	8	4
1919.....	74.9	99	43	1.02	1.11	2.02	1.88	0.0	3	20	6	8
1920.....	76.4	100	40	3.41	3.28	3.99	3.56	0.0	3	19	9	6
1921.....	81.2	104	57	3.31	1.89	1.46	2.22	0.0	5	19	8	3
1922.....	76.2	104	46	1.52	1.08	2.14	1.58	0.0	4	20	6	4
1923.....	76.2	100	41	1.56	2.19	2.12	1.96	0.0	5	16	8	6
1924.....	71.5	100	40	7.87	10.77	13.35	10.66	0.0	14	10	6	14
1925.....	83.4	111	50	1.28	1.29	2.16	1.58	0.0	5	18	7	5
1926.....	78.6	101	50	1.69	3.32	5.75	3.59	0.0	7	16	7	7
1927.....	76.8	107	34	1.22	1.02	1.69	1.31	0.0	4	18	9	3
1928.....	73.1	97	34	5.05	5.16	10.53	6.92	0.0	11	13	8	9
1929.....	73.8	97	44	11.74	8.78	8.85	9.79	0.0	14	8	9	13
1930.....	77.3	101	45	5.24	5.85	6.73	5.94	0.0	12	9	12	9
1931.....	78.3	107	35	1.29	1.13	1.51	1.31	0.0	4	21	7	2
1932.....	74.4	103	44	3.78	2.22	5.91	3.97	0.0	9	11	8	11
1933.....	78.2	103	36	2.15	4.12	5.68	3.98	0.0	6	19	7	4
1934.....	75.8	99	43	3.20	2.49	2.23	2.64	0.0	7	15	11	4
1935.....	74.3	98	39	2.01	3.31	6.81	4.04	0.0	8	15	7	8
1936.....	77.3	101	47	5.95	3.96	3.58	4.50	0.0	8	12	12	6
1937.....	73.1	98	42	1.40	1.74	4.46	2.53	0.0	6	14	9	7
1938.....	74.8	100	32	1.91	1.92	4.30	2.70	0.0	7	14	10	6
1939.....	76.9	103	41	2.49	2.76	3.39	2.88	0.0	6	15	9	6
1940.....	72.9	102	31	0.92	1.08	1.12	1.04	0.0	4	19	7	4
1941.....	77.3	104	42	1.08	1.97	2.83	1.96	0.0	5	17	7	6
1942.....	74.2	101	32	4.94	3.94	4.94	4.61	0.0	9	15	8	7
1943.....	72.5	99	33	4.04	2.84	2.82	3.23	0.0	6	15	8	7
1944.....	75.8	103	44	3.55	4.55	5.10	4.40	0.0	10	11	10	9
1945.....	77.3	101	43	4.88	4.49	6.59	5.32	0.0	11	12	10	8
1946.....	73.0	96	47	3.59	3.54	3.99	3.71	0.0	10	10	9	11
1947.....	75.8	101	31	1.61	2.32	6.17	3.37	0.0	7	13	11	6
Period.....	75.4	111	81	3.37	3.22	4.29	3.63	0.0	7	15	8	7





Daily Temperatures for September 1947

Table with columns for Stations (Northern, Middle, Southern Divisions) and days 1-31, plus a Mean column. Rows include Athens, Atlanta Airport, Clayton, etc.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. a, b, c, etc. Number of days missing, for example. b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Daily Evaporation (inches) and Wind Movement (miles)

Table with columns for Stations and days 1-31, plus a Monthly column. Rows include Alley, Athens, Experiment, etc.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. † Estimated. (WB, Atlanta-10-20-47-1100)



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7

## GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., OCTOBER 1947 No. 10

### GENERAL SUMMARY

Temperatures averaged considerably above normal; except for 1941, it is the warmest October since 1919. The month began with temperatures below normal, but moderate to large excesses prevailed almost continuously after the 4th until the close of the month. Greatest warmth occurred in most sections on the 10th or 18th, when maximum temperatures generally exceeded 80°, and only 4 scattered stations reported as high as 90°. The coolest day was the 31st, when lowest temperatures ranged mostly from 35° to 50°.

Precipitation for the State as a whole was 169% of normal, with excesses in the south averaging more than three times as great as those in the rest of the State. Rainfall occurred generally during the periods, 7-9th, 15-17th, and 24-28th, also, in northern and central divisions on the 10-11th. Monthly totals were 5 to 12 inches in the southeast and almost as much as 9 inches in the far northeast, while mostly less than 2 inches in extreme western counties.

Owing to frequent and substantial rainfall during the month, harvesting and planting of crops were greatly retarded. Most crops have been harvested in good condition, but planting operations have fallen considerably behind normal schedules.

### HURRICANE OF OCTOBER 15

The storm, moving in a westward direction, struck Savannah Beach on the Georgia coast at about 6:00 a.m. on the 15th and passed near Savannah at 7:00 a.m., continuing across the State in a west southwest direction. High winds at Savannah Beach were estimated at 100 m.p.h., with gusts of 90 to 95 m.p.h. at Savannah, where a barometer reading of 28.77 inches, mean sea level, was recorded, the lowest on record for that locality. Exceptionally heavy damage was sustained at Savannah and Savannah Beach; some structures were practically demolished, and extensive destruction included roofs blown off or badly lashed, window panes and plate glass windows broken out, communication lines blown down, and hundreds of trees felled or delimbbed; more than 1,500 buildings were substantially damaged of which at least 100 were business places. Losses at Savannah and Savannah Beach, including other areas of Chatham County, exceeded \$2,000,000. As the storm moved farther into the State, it rapidly lost intensity, with damages limited mostly to an area not more than 50 miles from the coast. Losses in this area, other than those in Chatham County are not believed to have exceeded \$250,000, involving timber, communication lines, buildings and roofs, and resultant effects of heavy rains in washing out roads and bridges.

### TEMPERATURE

The monthly mean temperature from the records of 71 stations was 68.2°, or 3.2° above normal. The highest monthly mean temperature was 72.7° at Quitman, and the lowest was 61.9° at Clayton. The highest temperature recorded was 92° at West Point on the 18th. The lowest was 31° at Blairsville on the 31st.

### PRECIPITATION

The average precipitation for the month, 70 stations report-

ing, was 4.53 inches, or 1.85 inches above normal. The greatest amount was 12.02 inches at Folkston, and the least was 0.45 inch at West Point. The average number of days with 0.01 inch or more of precipitation was 10. The greatest amount in any 24 hours was 4.20 inches at Clayton on the 17th.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7-30 a. m.	1-30 p. m.	7-30 p. m.		
Atlanta .....	30.39	2	29.70	15	9.8	28	ne.	7	89	62	73	43	34
Augusta .....	30.41	1	29.64	15	5.7	19	ne.	15	86	57	74	57	12
Macon .....	30.38	2	29.60	15	6.4	23	ne.	15	89	61	74	59	16
Savannah .....	30.37	2	28.77	15	9.7	77	ne.	15	93	62	82	39	7

### COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	64.0	90	26	0.45	0.35	0.71	0.50	.....	2	16	11	4
1893.....	64.3	90	24	1.00	2.57	2.43	2.00	.....	3	20	6	5
1894.....	63.7	95	28	2.89	4.54	4.90	4.11	.....	4	21	6	4
1895.....	61.2	92	25	1.52	1.08	1.08	1.23	.....	3	19	6	6
1896.....	63.1	90	28	2.00	1.20	1.67	1.62	0.0	3	16	9	6
1897.....	66.2	91	34	2.89	1.71	2.67	2.42	0.0	4	18	7	6
1898.....	62.5	92	27	7.84	6.14	5.77	6.58	0.0	8	15	8	8
1899.....	65.2	94	31	2.83	4.90	3.99	3.91	0.0	6	12	11	8
1900.....	68.7	97	41	4.95	3.34	4.03	4.11	0.0	10	9	10	12
1901.....	63.0	90	32	0.91	0.94	1.22	1.02	0.0	3	22	6	3
1902.....	64.3	93	28	2.32	4.17	4.80	3.76	0.0	8	14	9	8
1903.....	63.7	95	25	1.90	2.00	2.28	2.06	0.0	4	17	9	5
1904.....	64.6	100	24	0.29	0.30	0.40	0.33	0.0	2	23	6	2
1905.....	64.5	93	31	3.42	2.26	2.64	2.77	0.0	6	13	8	10
1906.....	61.6	91	26	4.02	3.84	2.99	3.62	0.0	6	15	7	9
1907.....	62.8	93	29	1.00	0.80	0.73	0.84	0.0	3	20	7	4
1908.....	61.7	92	32	4.02	2.70	1.51	2.75	0.0	4	20	5	6
1909.....	63.0	98	24	2.89	1.46	0.61	1.62	0.0	3	23	5	3
1910.....	67.2	95	20	2.81	3.03	4.22	3.35	T.	6	20	4	7
1911.....	69.1	101	30	5.12	5.63	4.09	4.95	0.0	7	13	7	11
1912.....	66.1	93	33	3.13	2.42	2.62	2.79	0.0	5	13	8	10
1913.....	62.2	95	26	2.34	2.36	2.34	2.35	T.	5	22	4	5
1914.....	64.6	93	23	5.24	4.42	3.66	4.44	0.0	8	15	6	10
1915.....	67.4	94	30	7.61	6.74	5.86	6.74	0.0	6	16	5	10
1916.....	65.0	94	28	2.36	1.94	2.37	2.22	0.0	6	17	6	8
1917.....	59.8	92	21	2.03	1.09	0.51	1.21	0.0	4	22	4	5
1918.....	69.1	97	38	8.06	3.59	2.75	4.80	0.0	8	11	6	14
1919.....	74.4	99	49	4.35	2.84	1.27	2.82	0.0	7	11	10	10
1920.....	64.5	94	27	0.67	1.01	1.15	0.94	0.0	2	23	4	4
1921.....	63.2	92	25	2.38	2.16	1.78	2.11	0.0	5	20	5	6
1922.....	65.7	94	28	3.24	3.55	4.39	3.73	0.0	8	14	6	11
1923.....	64.1	95	26	1.23	0.69	0.80	0.91	0.0	4	17	6	8
1924.....	63.0	90	22	0.96	1.12	1.84	1.31	0.0	3	22	4	5
1925.....	65.5	98	25	5.46	3.79	4.33	4.53	0.0	10	14	6	11
1926.....	66.5	99	25	2.40	1.00	1.40	1.60	T.	6	18	6	7
1927.....	67.3	98	27	2.61	1.49	1.29	1.80	0.0	4	21	6	4
1928.....	67.6	95	27	3.03	2.31	1.47	2.27	0.0	7	16	8	7
1929.....	63.1	90	28	5.29	6.32	4.06	5.22	0.0	6	18	6	7
1930.....	61.7	91	24	1.90	2.27	0.82	1.66	0.0	4	20	6	5
1931.....	66.8	95	24	1.44	0.93	0.84	1.07	0.0	3	20	7	4
1932.....	64.0	92	29	6.92	4.51	4.40	5.28	0.0	7	17	6	8
1933.....	66.2	98	26	1.86	2.49	1.83	2.08	0.0	4	17	7	7
1934.....	66.1	93	26	6.27	4.08	2.85	4.40	0.0	6	19	5	7
1935.....	66.2	92	21	2.11	0.76	0.15	1.01	0.0	2	20	8	3
1936.....	67.2	93	28	3.67	3.51	4.42	3.87	0.0	8	15	7	9
1937.....	62.4	96	20	7.60	4.61	3.92	5.38	T.	10	15	6	10
1938.....	64.5	95	23	0.15	0.52	1.42	0.70	0.0	2	24	4	3
1939.....	66.9	95	22	0.52	0.11	0.36	0.33	0.0	2	19	7	5
1940.....	65.0	94	28	1.18	0.86	0.63	0.69	0.0	2	21	6	4
1941.....	71.4	99	28	1.70	1.72	3.55	2.32	0.0	4	15	8	8
1942.....	65.0	92	25	3.16	2.23	0.85	2.08	0.0	6	19	6	6
1943.....	62.3	95	26	1.47	0.45	0.03	0.64	0.0	3	20	6	5
1944.....	64.0	93	25	1.49	1.92	3.61	2.34	0.0	4	22	5	4
1945.....	63.3	95	29	3.52	3.09	2.10	2.90	0.0	6	18	7	6
1946.....	64.2	91	29	3.74	3.74	3.34	3.61	0.0	5	17	8	6
1947.....	68.2	92	31	4.10	3.60	5.88	4.53	0.0	10	11	9	11
Period.....	61.7	101	20	3.04	2.56	2.46	2.68	T.	5	18	7	7

Climatological Data for October 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, Ending date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Received too late to be included in means and summaries. § Best available used for stations not equipped with recorders. ¶ Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.

Daily Precipitation for October 1947

Table with 33 columns for days (1-31) and a Total column. Rows are categorized into Northern Division, Middle Division, and Southern Division, with stations like Adairsville, Athens, Atlanta, and Augusta listed. Each cell contains a precipitation value or a symbol like 'T' for trace.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. \* Measured in the morning; for the preceding 24-hours. T Trace or 0.005 inch or less. \* Included in the next measurement. ITALICS Data interpolated. § Partly interpolated.

Daily Temperatures for October 1947

Table with columns for Stations, 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division, listing various locations like Athens, Atlanta, Dalton, etc., with their daily maximum and minimum temperatures.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. \* , b , c , etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Daily Evaporation (inches) and Wind Movement (miles)

Table with columns for Stations, Data, 1-31, and Monthly. Rows list stations like Ailey, Athens, Experiment, etc., with their daily evaporation and wind movement data.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. † Estimated. (WB, Atlanta-11-21-47-1100)

# CLIMATOLOGICAL DATA

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## GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., NOVEMBER 1947 No. 11

### GENERAL SUMMARY

This was by far the wettest November on record and the wettest of all months since March, 1944. The State average precipitation of almost 8 inches was approximately three times the November normal; largest totals of 10 to 12 inches occurred in the southwest, while less than 5 inches in the far north and lower coastal area. The first 24 days were extremely wet, with 6 well-defined rainy periods occurring in close succession, after which little or no rain occurred. The cumulative effect of rainfall produced a more or less constant and gradual increase in river stages throughout the month; sharper rises occurred shortly after the heavy rains of the 11th and 19th, and although most of the rivers reached or closely approached the highest stages ever recorded in November, only a few stations had higher than flood stage, which caused no appreciable damage.

The month was rather cool, with deficiencies occurring in all periods except 4-6th, 16th, and 24th; it was the coolest November since 1937, although cooler Novembers have often occurred in preceding years. The first killing frosts of the season and temperatures below freezing occurred in extreme northern counties on the 9th; killing frosts and freezing conditions were not recorded in the rest of the State until the 27th. Lowest temperatures of the month, occurring on the 27th or 29th, ranged from about 20° in the far north to slightly higher than freezing in coastal and extreme southern areas. Warmest conditions occurred very generally on the 5th, when readings of about 75° to slightly higher than 80° were recorded.

High winds at Atlanta and Toccoa on the night of the 1-2d blew down a number of trees and power lines, with considerable minor damages done to some buildings and other structures. On the afternoon of the 15th, a small tornado struck a local farm area about 6 miles south of Albany and caused losses of about \$600. One barn was completely demolished, with a large amount of feedstuff scattered over the ground and ruined; two other barns were heavily damaged, and a pecan tree was uprooted.

The persistence of rainy weather was very unfavorable for agricultural interests; both harvesting and planting operations made very little progress and were far behind normal schedules at the close of the month. Unharvested cotton, corn, sweet potatoes, and peanuts suffered considerable deterioration, and some of these crops will undoubtedly be abandoned.

### TEMPERATURE

The monthly mean temperature from the records of 67 stations was 52.5°, or 2.1° below normal. The highest monthly mean temperature was 61.5° at Brunswick, and the lowest was 47.0° at Blairsville. The highest temperature recorded was 82° at Quitman and Waycross on the 5th. The lowest was 17° at Blairsville on the 29th.

### PRECIPITATION

The average precipitation for the month, 71 stations report-

ing, was 7.92 inches, or 5.25 inches above normal. The greatest amount was 12.61 inches at Hoggards Mill, and the least was 3.76 inches at Brunswick. The average number of days with 0.01 inch or more of precipitation was 13. The greatest amount in any 24 hours was 4.84 inches at Fitzgerald on the 2d.

### PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Atlanta .....	30.46	29	29.69	11	11.3	45	ne.	1	85	64	73	38	488
Augusta .....	30.45	29	29.64	11	5.8	22	ne.	2	83	61	73	48	367
Macon .....	30.48	29	29.66	11	6.3	26	ne.	1	83	62	71	48	890
Savannah .....	30.46	29	29.61	11	9.4	32	nw.	8	87	63	80	88	231

### COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days			
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1892.....	52.8	86	15	5.65	2.37	2.60	3.54	.....	6	15	8	7
1893.....	53.5	85	14	1.62	1.71	1.80	1.71	.....	4	15	8	9
1894.....	52.4	84	14	1.17	1.42	2.12	1.57	.....	4	18	6	6
1895.....	53.6	85	19	2.04	1.52	1.81	1.79	.....	5	13	8	6
1896.....	57.8	89	22	6.57	5.84	4.61	5.62	0.0	8	13	6	11
1897.....	55.7	86	21	2.25	1.33	0.93	1.50	0.0	4	17	6	4
1898.....	61.5	83	16	4.07	4.90	5.92	4.96	T.	9	13	6	11
1899.....	55.7	84	24	2.77	2.37	1.05	2.06	0.0	4	16	8	6
1900.....	55.7	86	18	3.79	3.63	2.77	3.40	T.	7	12	10	8
1901.....	49.2	85	16	1.07	0.91	0.95	0.98	0.2	4	17	9	4
1902.....	58.9	88	23	3.64	3.48	3.62	3.58	T.	7	9	10	11
1903.....	52.0	88	11	2.03	2.07	3.26	2.45	T.	7	11	10	11
1904.....	52.9	81	21	2.91	2.98	3.27	3.05	T.	6	17	6	8
1905.....	55.6	85	18	1.84	1.72	1.48	1.68	0.0	4	16	6	7
1906.....	55.6	88	19	2.94	1.44	0.73	1.70	0.6	3	19	6	5
1907.....	52.8	85	21	6.67	5.70	3.54	5.30	T.	11	14	5	11
1908.....	57.9	88	22	1.63	1.23	0.96	1.27	0.0	3	16	9	5
1909.....	59.2	89	22	1.94	0.94	0.71	1.00	0.0	3	20	7	3
1910.....	52.1	87	22	0.66	1.73	3.01	1.80	0.0	4	19	6	6
1911.....	51.5	87	16	4.45	3.82	3.56	3.94	T.	8	12	5	13
1912.....	51.6	84	16	2.01	2.55	2.62	2.39	1.5	4	20	5	5
1913.....	55.1	83	14	0.87	1.08	0.96	0.97	T.	3	20	5	5
1914.....	53.4	87	12	4.92	5.86	4.23	5.00	T.	6	18	5	7
1915.....	56.9	90	19	2.65	1.98	1.89	2.17	0.0	4	21	5	4
1916.....	55.0	90	16	2.40	1.93	1.12	1.82	0.0	5	18	6	6
1917.....	51.9	85	17	1.56	1.11	0.77	1.15	T.	3	20	6	6
1918.....	53.9	86	25	3.62	4.53	5.69	4.61	0.0	8	17	4	9
1919.....	58.3	91	20	2.65	1.59	1.73	1.99	0.0	5	16	5	9
1920.....	52.8	86	18	4.26	3.44	3.73	3.81	0.0	6	16	5	9
1921.....	58.3	87	20	5.49	3.52	2.50	3.84	0.0	8	12	9	9
1922.....	56.9	87	15	1.01	1.02	0.72	0.92	T.	4	18	6	6
1923.....	52.0	83	17	3.94	3.14	1.91	3.00	0.0	6	16	5	9
1924.....	55.5	87	14	0.68	0.98	0.48	0.71	0.0	2	21	4	5
1925.....	52.1	84	10	4.84	3.97	4.32	4.38	T.	8	13	5	12
1926.....	51.4	87	15	3.80	3.42	3.79	3.67	T.	8	16	5	9
1927.....	59.0	88	19	2.40	1.36	1.17	1.64	T.	5	15	8	7
1928.....	53.7	87	11	1.29	0.73	0.57	0.96	T.	4	17	7	6
1929.....	56.0	91	8	7.94	5.11	2.23	5.09	T.	11	11	6	13
1930.....	52.7	86	10	5.70	6.27	5.18	5.72	T.	10	11	5	14
1931.....	60.1	90	21	1.63	0.37	0.14	0.71	0.0	3	18	6	6
1932.....	51.4	83	12	5.74	4.08	4.36	4.72	0.0	9	15	4	11
1933.....	53.5	85	9	1.36	0.90	0.71	0.99	0.0	4	20	6	4
1934.....	56.8	89	19	2.63	1.31	1.61	1.85	0.0	6	18	5	7
1935.....	57.3	92	10	5.09	2.44	2.14	3.22	0.0	7	15	6	9
1936.....	53.4	89	9	1.71	1.58	0.76	1.35	T.	4	16	6	8
1937.....	51.0	86	3	1.50	1.65	2.93	2.03	T.	7	16	5	9
1938.....	57.1	88	7	4.64	2.38	1.12	2.71	T.	7	16	5	8
1939.....	52.6	86	18	0.73	0.65	1.07	0.82	0.0	4	16	7	7
1940.....	54.5	86	10	3.76	4.16	3.27	3.73	0.0	9	13	5	12
1941.....	54.9	89	14	2.49	1.19	1.35	1.68	T.	5	16	7	7
1942.....	56.8	88	15	1.92	1.85	1.28	1.68	0.0	4	19	6	5
1943.....	52.6	90	21	2.07	2.82	1.61	2.17	0.0	3	21	5	4
1944.....	53.5	87	19	3.08	2.36	2.00	2.48	T.	8	14	7	9
1945.....	56.2	87	14	3.33	2.55	1.32	2.40	T.	6	20	7	3
1946.....	60.6	88	26	3.30	2.06	1.62	2.33	0.0	8	10	7	13
1947.....	52.5	82	17	7.24	8.30	8.21	7.92	0.0	13	10	5	15
Period.....	54.6	92	3	3.10	2.60	2.32	2.67	T.	6	16	6	8

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Climatological Data for November 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, Ending date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction, Observers.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\*Observations taken at the Barbour Lathrop Plant Introduction Garden, about 12 miles southwest of Savannah. † Trace or 0.005 inch or less. ‡ Received to late to be included in means and summaries. § Best available used for stations not equipped with recorders. ¶ Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.



Daily Temperatures for November 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. \* , b , etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Daily Evaporation (inches) and Wind Movement (miles)

Table with columns for Stations, Data, days 1-31, and Monthly. Rows include Ailey, Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4-cup anemometer (uncorrected). \* Included in the next measurement. ‡ Estimated.

(WB, Atlanta-12-22-47-1100)



U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

# CLIMATOLOGICAL DATA

7 GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., DECEMBER 1947 No. 12

## GENERAL SUMMARY

December, 1947, temperatures were mostly moderate in character, and the month averaged very slightly above normal. Rather cool weather prevailed on the first two days, and moderate deficiencies occurred during most of the lengthy period, 10-27th. Lowest temperatures were recorded chiefly on the 2d, when freezing conditions extended into every section, with temperatures as low as 15° in the mountain section. Widespread freezing conditions also occurred on the 14th and 26th. Warmest weather of the month occurred between the 4th and 9th, though conditions were almost as warm during the closing days. Highest temperatures ranged from the upper 60's in the mountain section to slightly higher than 80° locally in the south.

Precipitation for the State as a whole averaged well above normal; the central and southern sections had excesses of 2 to 4 inches or more, while much of the northern section had little more than 50% of normal. Individual station totals ranged from less than 3 inches in the far northwest to as much as 8 inches locally in the south. Moderate to heavy rains fell generally from the 8th to 16th, with general falls also on the 21st and 25th. The rainy weather of the 8-16th caused substantial river rises that produced flood stage or slightly higher during the latter part of the month in southern areas, but no appreciable damage resulted. Light snow fell on the 25th in far northern counties, leaving depths on the ground of 1 to 2 inches or more.

Owing to unusually wet conditions of the preceding month and predominance of rainy weather during this month, very little progress in farm work was possible. More favorable conditions during the last week enabled farmers to bring harvesting operations almost to completion, and although the soil was hardly dry enough, sowing of grain and planting of some other crops were resumed in scattered areas. Seeding operations were far behind normal schedules at the close of the month. The peanut crop suffered considerable damage owing to persistent rainy weather interfering with timely harvesting; quality of the nuts has withstood the deteriorating effects of persistent rainy weather fairly well, though yields were made less, with greatest damage done to the hay.

Earthquake tremors were reported in the extreme northwest, but the occurrence was very mild and no damage of any kind resulted.

### TEMPERATURE

The monthly mean temperature from the records of 71 stations was 48.0°, or 0.3° above normal. The highest monthly mean temperature was 55.5° at Quitman, and the lowest was 40.2° at Blairsville. The highest temperature recorded was 83° at Waycross on the 7th. The lowest was 13° at La Fayette on the 14th.

### PRECIPITATION

The average precipitation for the month, 73 stations report-

ing, was 5.30 inches, or 1.01 inches above normal. The greatest amount was 8.66 inches at Tifton, and the least was 2.26 inches at Cartersville No. 2. The average number of days with 0.01 inch or more of precipitation was 10. The greatest amount in any 24 hours was 4.10 inches at Tifton on the 10th.

## PRESSURE, WIND, HUMIDITY, SUNSHINE, AND DEGREE DAYS

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity			Percentage of sunshine	Degree days	
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.			7:30 p. m.
Atlanta .....	30.49	3	29.60	15	9.1	30	w.	16	82	59	69	37	570
Augusta .....	30.49	2	29.62	15	5.0	17	ne.	21	82	54	65	58	527
Macon .....	30.50	2	29.61	15	5.6	18	nw.	6	84	55	65	44	586
Savannah .....	30.48	2	29.68	15	9.2	30	w.	8	86	57	72	43	400

## COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation					Number of days				
	Mean	Highest	Lowest	Northern Division	Middle Division	Southern Division	State average	Average snowfall	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy	
1892.....	48.0	82	12	3.36	2.72	2.97	3.02	.....	8	10	7	8	13
1893.....	49.6	80	16	2.71	2.56	4.11	3.13	.....	5	16	12	7	8
1894.....	49.2	81	0	6.58	3.46	2.23	4.09	.....	7	12	12	7	8
1895.....	45.9	78	9	3.95	3.38	2.54	3.29	.....	7	14	8	9	9
1896.....	46.1	79	9	1.57	3.82	5.14	3.51	1.3	6	17	8	8	8
1897.....	45.7	81	20	4.93	2.36	2.92	3.40	T.	7	13	7	11	11
1898.....	46.0	77	8	2.79	3.74	4.72	3.75	T.	8	13	6	9	12
1899.....	45.2	77	8	4.36	3.26	2.20	3.27	0.5	8	13	9	9	9
1900.....	46.9	79	19	5.00	6.62	5.46	5.69	0.0	10	10	9	8	8
1901.....	43.9	80	3	3.72	5.72	3.17	5.87	1.0	13	9	8	14	14
1902.....	47.3	83	12	5.47	3.77	4.33	4.52	T.	7	12	11	11	11
1903.....	42.0	77	10	1.85	2.10	2.67	2.21	0.4	5	17	8	8	8
1904.....	47.0	80	13	4.24	3.63	2.90	3.59	0.1	8	14	11	11	11
1905.....	44.5	79	13	9.22	8.02	8.09	8.44	0.1	11	11	5	15	15
1906.....	49.4	81	11	4.71	3.44	2.59	3.58	T.	8	14	6	11	11
1907.....	46.6	79	16	6.08	6.63	6.52	6.41	0.1	9	12	8	11	11
1908.....	51.7	88	21	6.03	3.62	1.66	3.77	T.	7	14	9	8	8
1909.....	42.7	81	6	4.65	2.88	3.25	3.59	0.3	8	15	7	8	8
1910.....	42.2	78	12	3.96	2.75	2.13	2.95	0.1	6	17	5	9	9
1911.....	50.4	84	12	5.76	6.94	7.28	6.66	T.	10	11	5	15	15
1912.....	49.1	83	18	3.42	3.84	3.30	3.52	0.0	11	10	7	14	14
1913.....	48.7	85	12	4.57	2.94	2.42	3.31	T.	9	11	5	15	15
1914.....	44.9	79	5	6.82	3.70	3.16	4.56	0.3	11	6	6	19	19
1915.....	45.6	79	19	7.34	4.76	2.44	4.85	0.1	6	17	8	8	8
1916.....	47.7	82	12	3.82	2.93	3.93	3.56	T.	10	14	10	10	10
1917.....	39.5	80	0	1.50	1.79	1.60	1.63	1.8	6	13	12	12	12
1918.....	51.4	82	15	6.95	6.32	6.08	6.43	0.1	9	10	7	14	14
1919.....	48.0	85	12	9.01	5.22	1.53	5.25	0.0	6	15	5	11	11
1920.....	46.7	80	14	6.64	4.30	6.19	5.71	T.	9	14	5	12	12
1921.....	52.0	82	20	2.60	1.71	1.95	2.09	0.0	6	16	6	9	9
1922.....	53.7	89	22	6.56	4.77	5.53	5.62	0.0	12	9	5	17	17
1923.....	54.5	82	14	5.93	3.88	2.50	4.10	T.	10	8	7	16	16
1924.....	49.5	85	8	6.30	6.85	5.97	6.37	0.0	9	12	5	13	13
1925.....	46.0	83	0	3.60	3.02	5.22	3.95	T.	9	13	5	13	13
1926.....	51.4	85	12	6.88	3.00	1.96	3.95	0.0	9	13	6	12	12
1927.....	47.8	85	8	9.39	7.78	6.55	7.91	T.	10	13	6	12	12
1928.....	47.8	83	13	1.31	2.14	2.16	1.87	T.	6	16	7	8	8
1929.....	46.3	84	7	3.23	3.99	3.76	3.66	1.0	8	17	5	9	9
1930.....	43.3	76	10	4.02	3.16	3.08	3.42	1.4	8	13	6	12	12
1931.....	55.1	86	19	12.69	6.13	3.44	7.42	0.0	13	9	8	14	14
1932.....	52.3	84	16	13.55	4.96	2.37	6.96	0.6	12	7	7	17	17
1933.....	54.9	85	11	3.12	1.36	1.28	1.92	0.0	7	16	6	9	9
1934.....	46.3	82	10	3.34	2.22	2.14	2.71	T.	9	13	7	11	11
1935.....	40.3	77	0	3.15	3.22	2.22	2.86	1.6	6	16	5	10	10
1936.....	49.7	83	18	2.22	2.23	4.63	6.26	T.	12	9	5	17	17
1937.....	46.5	78	-3	2.22	2.23	1.64	2.26	0.4	6	14	8	9	9
1938.....	47.1	83	8	2.66	2.74	2.63	2.33	T.	8	14	7	10	10
1939.....	48.6	80	13	3.28	3.57	2.98	3.28	0.0	8	14	7	10	10
1940.....	51.2	84	14	4.56	4.11	3.75	4.14	T.	12	11	6	14	14
1941.....	50.2	82	14	6.50	8.72	7.03	7.28	T.	9	13	7	11	11
1942.....	48.1	86	7	8.43	5.33	4.62	6.29	T.	13	11	6	14	14
1943.....	47.4	87	2	3.43	4.04	3.92	3.89	0.2	7	12	8	11	11
1944.....	47.3	80	2	3.28	1.94	1.03	2.08	0.5	7	13	7	11	11
1945.....	42.0	77	9	7.88	7.39	7.76	7.68	0.5	13	10	6	15	15
1946.....	51.3	83	16	2.24	0.85	0.42	1.17	T.	5	18	6	7	7
1947.....	48.0	83	13	3.65	5.94	6.31	5.30	0.1	10	11	7	13	13
Period.....	47.7	89	-3	5.14	4.08	3.65	4.27	0.2	8	13	6	12	12

Climatological Data for December 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, Ending date, Snowfall), Number of days (Precipitation, Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Includes sections for Northern, Middle, and Southern Divisions.

The departures from the normal temperatures are computed from the averages of the entire period for stations having 10 or more years of record. The normal may be found by adding the departures when minus (-) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the City P. O., unless otherwise indicated. \*\*Observations taken at the Barbour Lathrop Plaut Introductory Garden, about 12 miles southwest of Savannah. T. Trace or 0.005 inch or less. \*, b, s, etc. Number of days missing for example, b indicates two days missing. ITALICS Data interpolated. † Partly interpolated. ‡ Also on other dates. † Received too late to be included in means and summaries. ‡ Best available used for stations not equipped with recorders. †† Post-Office addresses: Carlton Bridge, Elberton; Fair View, Barnesville; Hoggard's Mill, Newton. \* Temperatures by Rev. Walker Combs.

Daily Precipitation for December 1947

Table with columns for Stations, Drainage basins, and days 1-31, plus a Total column. It lists precipitation data for various stations in Georgia, categorized into Northern, Middle, and Southern Divisions.

Except as otherwise indicated, amounts are for 24-hours ending late in afternoon. 1 Midnight to midnight. 2 Measured in the morning; for the preceding 24-hours. T. Trace or 0.005 inch or less. \* Included in the next measurement. ITALICS Data interpolated. § Partly interpolated.

Daily Temperatures for December 1947

Table with columns for Stations, days 1-31, and Mean. Rows are categorized into Northern Division, Middle Division, and Southern Division.

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
\*, b, c, etc. Number of days missing, for example, b indicates two days missing. ITALICS Data interpolated. § Partly interpolated.

Daily Evaporation (inches) and Wind Movement (miles)

Table with columns for Stations, Data, days 1-31, and Monthly. Rows include Ailey, Athens, Experiment, Hoggards Mill, Rome, and Tifton.

† Record from 4 cup anemometer (uncorrected). \* Included in the next measurement. † Estimated. (WB, Atlanta-1-21-48-1100)

# CLIMATOLOGICAL DATA

7

GEORGIA SECTION

R. L. CORNELIUS

VOL. LI ATLANTA, GA., ANNUAL 1947 No. 13

## GENERAL SUMMARY

Except 1940, this was the coolest year in Georgia since 1924, and several of the months were remarkable in temperature by comparison with former years. As to individual stations, yearly temperature averages ranged from 56° in the far north to 69° in the lower coastal area, and the State average was 63°, or 1° below normal. Temperature deficiencies overspread practically all of the State, but a slight excess occurred over the lower part of the southeast and along the coast, also in the northeast corner of the State. An unusually warm January was followed by decidedly cold weather during both February and March, and a rather warm April was followed by unseasonably low temperatures during the three months, May, June, and July. August, September, and December, averaged very close to normal, while October was remarkably warm and November decidedly cool. By comparison with former records: January was one of the warmest on record and the warmest since 1937; February was the coldest since 1905 and one of the three coldest on record; March was the coldest since 1915, otherwise, the coldest on record; April, except 1945, was the warmest since 1929; July was the coolest on record, with an average about 1° lower than any preceding July; October, except 1941, was the warmest since 1919; and November was the coolest since 1937. The lowest temperatures of the year occurred on February 5th or 9-11th, when hard freezing weather extended into all sections, with slightly lower than 10° in the far north. Freezing conditions in spring occurred no later than the last week of March over most of the State, but some northernmost stations had subfreezing temperatures as late as May 9th; the first freeze of autumn occurred in the far northeast as early as September 28th, but not until November 5th in other sections. Highest temperatures occurred on June 9th, August 4th, or September 2d, with readings at most stations not quite as high as 100°, but slightly higher temperatures than this occurred in border counties on both the eastern and western sides of the State.

Precipitation for the State as a whole averaged 59.68 inches to make 1947 the wettest year in Georgia since 1929. The southern third of the State had an average of 66.53 inches, or 17.06 inches above normal, exceeding all previous records for that section. The northern division, however, averaged slightly lower than normal. Yearly station totals ranged from about 45 inches locally in the northwest to more than 70 inches near the coast and in the far southwest. A deficiency from normal was recorded only in far northern counties, while excesses were quite substantial throughout the central and southern portions of the State, exceeding 20 inches over a fairly large area from

the coast almost to Albany. Each of the first 6 months, except February, had moderate to large excesses in precipitation, as did the last three months. February and July through September were the only months with less than the normal amount of precipitation. Very wet conditions of January were followed by one of the driest Februaries on record. After four successive months that were above normal, July precipitation averaged the least on record for that month. November was outstanding as a wet month; it established an average precipitation of 7.92 inches, exceeding the preceding record high November average by more than two inches, and November, 1947, was the wettest of any month in Georgia since March, 1944. Heavy rains caused substantial river rises during January, March, April, November, and December, and although flood stage or higher occurred in some sections during each of these months, the only noteworthy damage of the year occurred in northwestern streams during the latter part of January, when losses amounted to about \$50,000. Light snow fell on February 28th, March 2d, and December 25th, with yearly snow totals of 1 to 5 inches in far northern counties and lesser measurable amounts as far south as Newnan, Monticello, and Augusta.

Severe storms, which were more numerous than usual this year, included 7 tornadoes, 7 windstorms, 4 hailstorms, and a severe hurricane, that caused an aggregate of losses amounting to \$2,750,000. The type of each storm, with date and location of occurrence, are given here in chronological order. January 30th: 3 tornadoes, affecting southern Bibb, northeastern Tift, and central Lowndes Counties. April 10th: windstorm in northern Turner County. April 14th: tornado, Andersonville, Macon Co., to Perry, Houston Co. May 1st: small tornado near Brunswick and windstorms at Waycross and in far northwestern counties, also, heavy hailstorm between Taylor and Houston Counties. May 21st: small tornado near Americus. June 9th: wind and hailstorm in Wayne County and windstorm in central Chatham County. July 8th: heavy hailstorm in northeast between Jackson and Elbert Counties. July 16: light hailstorm near Savannah. August 5th: windstorm at Rome. October 15th: severe hurricane in coastal and nearby areas. November 1st: local windstorms at Atlanta and Toccoa. November 15th: small tornado near Albany.

Weather conditions were rather unfavorable for agricultural interests in both the spring and fall seasons. Owing to unseasonably cold weather during February and March and the predominantly rainy conditions of January and March through the middle of April, plowing and planting operations became very backward. Favorably warm and dry weather during the last part of April greatly accelerated field work, and most planting operations were completed. A comparatively cool summer was favorable for the growth of crops, though too much rain occurred occasionally. A dry July was favorable for harvesting activities, and fair to good progress continued during August and most of September. The remainder of the year was predominantly wet, greatly delaying the completion of harvesting, and as a result, moderate to heavy deterioration occurred to peanuts, sweet potatoes, corn, and truck crops.

Climatological Data for the Year 1947

Stations	Counties	Elevation, feet	Temperature (degrees Fahrenheit)					Precipitation (inches)					Number rainy days	Sky			Prevailing direction of wind			
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month		Least monthly	Month	Total snowfall		Number clear days	Number partly cloudy days	Number cloudy days
<i>Northern Division</i>																				
Athens Airport.....	Clarke.....	803	4	60.6	98	Sept. 1	15	Feb. 10	4	55.37	8.61	Jan.	0.93	July	T.	135	76	124	165	ne.
Athens, No. 1.....	do.....	775	66	61.0	97	Sept. 1	16	Feb. 5	73	48.92	8.95	Jan.	0.99	July	T.	129	96	182	87	nw.
Atlanta Airport, 7 mi. S.....	Fulton.....	975	17	60.8	100	Aug. 4	15	Feb. 5	17	59.69	9.05	Nov.	1.35	Sept.	0.5	126	94	133	138	nw.
Atlanta [City].....	do.....	1,054	81	60.8	99	Aug. 4	15	Feb. 9†	81	50.87	8.38	Jan.	0.56	July	0.7	115				
Blairsville, 2 miles SE.....	Union.....	1,938	16	56.5	95	Aug. 5	7	Feb. 9	16	46.11	10.27	Jan.	1.93	July	3.5	104				
Carlton Bridge.....	Elbert.....	500	54	60.4	100	July 31	12	Feb. 11	49	54.02	9.60	Jan.	1.59	July	0.0	127				
Cartersville.....	Bartow.....	772	9	60.2	99	Aug. 3	15	Feb. 5†	11	44.83	8.69	Jan.	1.13	July	0.0	106				
Cedartown.....	Polk.....	797	11	60.8	105	Aug. 4	14	Feb. 10	14	47.15	9.91	Jan.	0.86	Sept.	0.2	111				
Clayton.....	Rabun.....	2,000	52	57.5	95	June 11	9	Feb. 5	53	62.99	10.37	Jan.	1.13	July	3.2	122	200	46	58	
Cornelia.....	Habersham.....	1,500	28		95	July 31	12	Feb. 5†	28		7.13	Nov.	0.99	Sept.	4.6	110	106	94	103	sw.
Dalton.....	Lumpkin.....	1,519	56	58.9	95	July 30	10	Feb. 9	57	56.55	11.84	Jan.	1.31	July	0.3	136	147	114	104	w.
Dalton.....	Whitfield.....	710	12	59.5	104	Aug. 4	13	Feb. 8†	12	45.36	12.03	Jan.	1.04	Aug.	0.5	115	110	82	173	n.
Gainesville.....	Hall.....	1,254	68		96	Aug. 5	13	Feb. 5†	70		9.91	Jan.	2.00	Sept.	0.9	91	111	90	103	w.
Hartwell, 5 miles NE.....	Hart.....	750	47	61.1	99	June 10	15	Feb. 5†	47	53.65	9.52	Nov.	1.56	July	T.	93	96	160	75	w.
Jasper.....	Pickens.....	1,480	8	59.3	98	Aug. 2†	11	Feb. 5†	11	52.40	11.35	Jan.	1.41	Sept.	3.1	116	119	125	121	e.
La Fayette.....	Walker.....	950	13		104	Aug. 4	10	Feb. 18	17		10.15	Jan.	2.03	July	0.7	92	113	87	104	nw.
Norcross, 4 miles N.....	Gwinnett.....	1,025							33	52.98	9.97	Jan.	1.57	Sept.	0.5	125				
Rome.....	Floyd.....	617	66	61.2	101	Aug. 4	15	Feb. 8	91	49.18	12.42	Jan.	0.73	Sept.	1.0	117	156	88	60	
Tallapoosa, 2 miles NW.....	Haralson.....	1,000	51	59.3	100	Aug. 3†	11	Feb. 5†	51	47.17	7.76	Jan.	0.19	Sept.	0.5	88	206	58	101	
Toccoa.....	Stephens.....	1,050	61	61.3	99	July 31	14	Feb. 5†	62	57.38	10.64	Jan.	1.32	July	2.0	124	167	108	90	w.
Washington.....	Wilkes.....	630	57		100	June 9†	15	Feb. 9	59	52.56	9.47	Nov.	1.50	Feb.	T.	102	154	57	94	se.
Division means and extremes.....				60.0	105	Aug. 4	7	Feb. 9		52.47	15.74	Jan.	0.19	Sept.	3.2	117	140	109	117	w.
<i>Middle Division</i>																				
Augusta.....	Richmond.....	134	91	64.2	99	June 9	21	Feb. 5	82	57.34	7.77	Nov.	1.06	Feb.	0.2	122	103	124	138	s.
Brooklet, 1 mile W.....	Bulloch.....	150	56	65.6	100	June 10	20	Feb. 11	53	61.26	9.32	Oct.	0.94	Feb.	0.0	115	124	168	73	
Carrollton.....	Carroll.....	1,095	24		100	Aug. 3†			21	48.54	8.48	Jan.	1.08	Sept.	0.5	108	115	90	70	w.
Columbus Airport.....	Muscogee.....	262	2	64.0	99	Aug. 5	17	Feb. 11	2	61.87	9.88	Jan.	1.31	Feb.	T.	122	79	124	162	ne.
Covington.....	Newton.....	747	35		101	Aug. 4	16	Feb. 9†	62	65.38	9.71	Nov.	1.03	Sept.	T.	107	43	87	53	
Dublin.....	Laurens.....	234	39	61.7	99	June 9†	18	Feb. 11	56	60.25	7.99	Mar.	1.00	Feb.	0.0	132	73	178	114	s.
Experiment.....	Spalding.....	946	27	60.9	95	June 8†	14	Feb. 10	26	62.10	9.93	Mar.	0.49	Sept.	0.4	132				
Fair View.....	Lamar.....	725	38	62.3	98	June 9	16	Feb. 10	34	60.98	9.42	Nov.	0.89	Sept.	T.	127				
Fort Valley.....	Peach.....	526	27	63.4	96	June 9†	18	Feb. 10	27	59.11	7.60	Dec.	1.27	Feb.	T.	127	105	156	104	ne.
Greensboro.....	Greene.....	620	46	62.4	100	June 10	16	Feb. 10†	45	59.86	8.93	Nov.	1.81	Feb.	0.5	122	107	143	115	w.
Griffin.....	Spalding.....	975	57	62.7	95	Aug. 2†	15	Feb. 10	57	62.23	8.97	Mar.	0.65	Sept.	T.	102	134	144	88	w.
Lagrange.....	Troup.....	740	11	61.6	97	Aug. 4	16	Feb. 10	37	56.69	9.44	Jan.	0.81	Sept.	T.	116	117	76	141	
Louisville.....	Jefferson.....	337	51	64.0	99	June 9†	19	Feb. 10†	52	58.69	8.75	Mar.	1.00	Feb.	0.0	114	154	94	56	ne.
Macon.....	Bibb.....	330	66	63.5	97	June 9	20	Feb. 10	99	55.86	8.72	Nov.	1.09	Feb.	T.	118	86	113	166	nw.
Milledgeville.....	Baldwin.....	320	64	63.0	99	June 10	16	Feb. 11	58	60.28	8.76	Nov.	1.47	Feb.	T.	129				
Millen.....	Jenkins.....	180	59		101	June 8†	17	Feb. 11	60	61.56	7.40	Mar.	1.17	Feb.	0.0	104	157	43	104	se.
Monticello.....	Jasper.....	680	58	62.4	99	June 10	16	Feb. 9†	55	70.24	9.83	June	1.68	Feb.	0.5	123	107	72	123	w.
Newnan.....	Coweta.....	975	58	60.9	101	Aug. 4	15	Feb. 10†	58	63.25	11.35	Nov.	0.65	Sept.	0.2	122	137	65	132	
Swainboro.....	Emanuel.....	318	2		103	June 9	18	Feb. 11	2	65.24	8.24	June	0.72	Feb.	T.	95	118	81	132	e.
Talboton.....	Talbot.....	750	54	62.8	94	June 10	15	Feb. 10	54	64.51	8.35	Nov.	1.69	Feb.	T.	92	161	10	50	sw.
Warrenton.....	Warren.....	500	47	62.4	97	June 10	14	Feb. 10	54	56.22	8.68	Nov.	1.61	Feb.	1.0	127	157	134	74	ne.
West Point.....	Troup.....	573	57	63.4	102	Aug. 4	13	Feb. 10	58	53.13	9.04	Jan.	0.45	Oct.	T.	106	208	61	96	
Woodbury.....	Meriwether.....	800							47	61.85	9.62	Nov.	1.66	Sept.	0.0	116				
Division means and extremes.....				63.1	103	June 9	13	Feb. 10		59.82	11.35	Nov.	0.45	Oct.	0.5	116	131	115	118	ne.
<i>Southern Division</i>																				
Alapaha.....	Berrien.....	293	58		96	June 9	16	Feb. 11	58	69.05	8.49	Oct.	1.16	Feb.	0.0	138	105	116	82	sw.
Albany.....	Dougherty.....	230	60	67.2	98	July 1	22	Feb. 5†	61	67.62	10.99	Nov.	1.15	Feb.	0.0	120	147	57	161	ne.
Alma.....	Bacon.....	198	9	65.5	97	June 9	20	Feb. 11	9	64.55	10.54	Sept.	0.68	Feb.	0.0	142	64	126	175	nw.
Americus, 1 mile NE.....	Sumter.....	362	63	64.8	96	June 8†	19	Feb. 10	63	59.75	7.71	Aug.	0.95	Feb.	0.0	135	88	178	99	sw.
Bainbridge.....	Decatur.....	119	55	66.5	100	Sept. 15	21	Feb. 11†	55	68.51	8.32	Nov.	1.05	Feb.	0.0	111	190	35	79	
Blakely.....	Early.....	300	69	66.3	99	Aug. 5	21	Feb. 10	70	72.13	11.30	Mar.	1.27	Oct.	T.	126	143	123	99	nw.
Brunswick.....	Glynn.....	14	47	68.8	101	June 9	25	Feb. 5	49	71.27	14.47	Sept.	2.01	Feb.	0.0	132	162	104	99	sw.
Cairo, 2 miles NNW.....	Grady.....	265	16	67.1	97	Sept. 5	22	Feb. 5†	21	61.23	9.27	Nov.	1.32	Feb.	0.0	129	145	119	101	sw.
Camilla.....	Mitchell.....	177	10	67.3	101	Sept. 2	20	Feb. 11	10	59.50	9.09	Mar.	0.95	Feb.	0.0	115	160	117	88	
Cordele.....	Crisp.....	336	18	64.9	98	June 8	21	Feb. 10†	20	68.09	9.05	Nov.	0.84	Feb.	0.0	114	114	82	146	ne.
Cuthbert.....	Randolph.....	461	2	66.6	100	Aug. 5	19	Feb. 10	2		8.34	Mar.	1.23	Feb.	0.0	92	177	108	49	n.
Douglas.....	Coffee.....	275	14		97	Aug. 3	23	Feb. 5†	14				0.98	Feb.	0.0					
Eastman.....	Dodge.....	361	55	65.8	100	June 9†	20	Feb. 10	55	65.57	10.17	Apr.	0.90	Feb.	0.0	119	168	62	104	nw.
Fitzgerald.....	Ben Hill.....	515	30	66.1	98	July 1	21	Feb. 5†	31	68.52	11.83	Nov.	1.10	Feb.	0.0	123	188	85	33	nw.
Folkston, 9 miles SW.....	Charlton.....	120	2		99	May 17	19	Feb. 11	2		14.80	Sept.	2.55	Jan.	0.0	103	41	80	30	ne.
Fort Gaines.....	Clay.....	340	59		102	Aug. 5	18	Feb. 10	60		9.75	Nov.	1.23	Feb.	0.0	97	132	85	118	n.
Glennville.....	Tattall.....	175	43	66.2	100	June 9	21	Feb. 11	43	68.17	9.16	Oct.	0.66	Feb.	T.	132	123	173	68	sw.
Hawkinsville.....	Pulaski.....	235	56	65.2</																

Monthly and Annual Precipitation for the Year 1947, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	
<i>Northern Division</i>																											
Athens Airport	8.61	.....	2.10	.....	5.85	.....	4.62	.....	4.47	.....	6.21	.....	0.93	.....	3.85	.....	1.31	.....	4.86	.....	8.10	.....	4.46	.....	55.37	.....	
Athens, No. 1	8.95	+4.11	2.16	-2.93	5.63	+0.36	4.15	+0.20	3.85	-0.19	3.71	-0.42	0.99	-4.02	2.45	-2.17	1.04	-2.22	4.69	+1.68	7.49	+4.75	4.41	-0.18	48.92	-1.03	
Atlanta Airport	8.09	+3.06	2.20	-2.86	8.09	+2.68	5.24	+1.52	4.99	+1.57	5.83	+1.89	1.47	-3.37	5.67	+0.97	1.85	-1.69	3.50	+0.81	9.05	+5.94	4.21	-0.58	59.69	+9.94	
Atlanta [City]	8.38	+3.43	2.01	-2.78	6.27	+0.97	4.26	+0.65	2.48	-0.99	5.98	+2.24	0.56	-4.09	5.41	+0.99	0.77	-2.22	3.11	+0.52	7.85	+4.82	3.76	-0.94	50.87	+2.60	
Blairsville	10.27	+4.45	1.93	-3.55	54.62	+0.76	3.26	-0.75	2.92	-1.27	3.98	+0.21	1.96	-3.23	2.60	-1.91	2.40	-0.70	4.16	+0.97	4.61	+1.59	3.40	-1.88	46.11	-6.83	
Carlton Bridge	9.60	+5.58	2.03	-2.94	5.52	+0.66	4.22	+0.45	5.51	+2.06	3.75	-0.30	1.59	-3.07	1.72	-2.61	1.62	-1.76	4.90	+2.07	6.24	+6.72	4.32	-0.46	54.02	+6.41	
Cartersville	10.69	+4.80	1.60	-3.46	4.85	.....	4.32	.....	4.44	.....	2.87	.....	3.45	.....	1.13	.....	1.15	.....	2.59	.....	9.69	.....	2.78	.....	41.83	.....	
Cedartown	10.91	+5.16	1.51	-3.46	4.85	+1.52	6.62	+2.25	2.25	-0.93	5.40	+0.43	1.31	-3.16	3.54	-0.32	0.86	-1.97	1.17	-0.97	6.54	+3.67	3.12	-0.83	47.15	-6.63	
Clayton	10.37	+4.24	2.26	-4.14	5.63	-1.84	7.12	+1.37	4.29	-0.46	5.80	+0.61	1.13	-5.83	4.58	-1.91	2.45	-2.50	8.96	+4.62	7.21	+2.99	33.76	-3.34	62.99	-0.29	
Coruelia	.....	.....	12.34	+2.22	3.22	3.80	-1.76	3.92	-1.30	4.27	-0.23	5.33	+1.51	2.39	-3.52	5.16	-0.23	0.99	-2.91	5.76	+2.45	7.13	+3.33	33.40	-3.41		
Dahlonega	11.84	+6.12	2.27	-3.60	4.97	-1.10	5.68	+0.67	5.15	+0.53	5.31	+0.60	1.31	-4.74	1.89	-3.49	1.81	-2.21	4.79	+1.23	7.63	+3.98	3.87	-2.54	56.55	-4.65	
Dalton	12.03	+5.58	2.16	-3.46	4.64	+0.52	2.99	-2.01	3.18	-1.01	3.86	-0.50	1.22	-3.97	1.04	-3.85	3.51	+0.51	2.52	+0.66	5.42	+2.13	2.79	-2.15	45.36	-9.65	
Gainesville	9.91	+4.76	2.61	-2.90	4.85	-1.05	5.24	+1.15	4.75	+0.94	5.62	+2.29	2.55	-2.87	4.07	-1.19	2.00	-1.73	3.68	+0.69	.....	.....	33.04	-2.23	.....	.....	
Hartwell (near)	8.46	+4.24	1.99	-2.80	3.54	-1.19	3.96	+0.09	3.04	-0.38	4.65	+0.99	1.56	-3.32	5.27	+0.45	2.33	-0.98	5.49	+2.61	9.52	+6.94	3.84	-1.07	53.65	+5.58	
Jasper	11.35	.....	2.05	.....	5.07	.....	4.80	.....	4.11	.....	3.47	.....	2.61	.....	3.37	.....	1.41	.....	3.56	.....	7.02	.....	3.55	.....	52.40	.....	
La Fayette	10.15	+4.77	2.25	-3.26	4.42	-0.69	34.34	-1.14	2.58	-0.93	4.60	-0.23	2.03	-3.15	3.65	-0.91	.....	.....	.....	.....	6.58	+3.52	32.99	-1.69	.....	.....	
Norcross	9.97	+5.14	2.35	-2.73	5.63	+0.33	3.70	-0.27	3.14	-0.67	5.76	+1.97	1.85	-3.55	2.21	-2.17	1.57	-1.28	4.36	+1.44	8.17	+5.31	4.27	-1.35	52.98	+2.17	
Rome	12.42	+7.51	2.15	-3.27	7.98	+0.26	5.55	+1.14	3.04	-0.56	4.45	+0.36	0.91	-3.48	3.16	-0.92	0.73	-1.94	2.05	-0.74	5.64	+2.41	3.10	-1.83	49.18	-0.56	
Tallapoosa	7.76	+3.25	1.74	-2.78	6.29	+0.79	5.30	+0.54	3.23	-0.37	6.43	+2.41	0.42	-2.83	2.45	-2.13	0.19	-3.22	1.56	-1.18	6.40	+3.44	3.40	-1.90	47.17	-4.48	
Toccoa	10.64	+5.48	2.25	-3.27	4.88	-0.93	4.20	-0.42	2.61	-1.35	7.24	+2.90	1.32	-4.89	3.71	-2.40	2.63	-1.57	6.06	+2.50	8.31	+4.99	3.53	-2.28	57.38	-0.74	
Washington	7.47	+3.26	1.60	-3.39	6.34	+1.52	.....	.....	2.28	-0.94	5.34	+1.34	3.32	-1.95	4.98	+0.35	2.71	-0.98	4.27	+1.52	9.47	+6.91	4.82	+0.78	.....	.....	
<i>Middle Division</i>																											
Augusta	5.30	+1.37	1.06	-3.05	6.21	+2.10	6.23	+3.09	1.73	-1.31	3.96	-0.72	2.44	-2.95	7.18	+2.15	4.72	+1.36	5.17	+2.71	7.77	+5.37	5.57	+2.32	57.34	+12.44	
Brooklet	3.76	+0.75	0.94	-2.97	5.74	+1.94	4.39	+1.21	3.05	-0.45	5.26	-0.77	0.58	-0.80	5.62	-0.84	4.90	+0.27	9.82	+7.29	5.87	+3.83	7.33	+4.25	61.26	+13.71	
Carrollton	8.48	+3.85	1.05	-2.70	7.72	+1.61	4.02	-0.37	2.53	-0.37	3.61	+0.04	1.32	-3.26	3.45	+1.02	1.08	-2.07	1.72	-1.04	8.14	+5.26	4.42	-0.31	48.54	-0.37	
Columbus Airport	9.88	.....	1.31	.....	6.10	.....	6.73	.....	4.55	.....	4.74	.....	4.84	.....	6.42	.....	1.58	.....	1.37	.....	7.53	.....	6.81	.....	61.87	.....	
Covington	9.49	+5.07	2.14	-2.83	7.97	+2.62	5.03	+0.81	5.89	+2.55	8.26	+4.21	2.74	-2.19	3.74	-0.86	1.03	-1.86	3.85	+0.94	9.71	+6.94	5.53	+0.81	65.38	+16.24	
Dublin	5.03	+0.96	1.00	-3.63	7.99	+3.27	5.82	+2.55	5.12	+1.79	6.35	+1.67	3.88	-1.94	4.41	-0.86	3.14	-0.46	4.13	+1.73	6.51	+4.43	6.57	+2.67	60.25	+12.18	
Experiment	3.05	+4.25	1.83	-4.03	9.93	+4.27	4.74	+0.54	5.02	+2.02	7.96	+3.63	1.16	-3.64	7.54	+3.07	0.49	-2.52	3.09	+0.95	7.09	+4.93	5.20	+0.81	62.10	+14.28	
Fair View	9.18	+4.90	1.89	-2.77	8.57	+3.11	5.54	+1.81	3.24	+0.02	4.66	+0.98	4.44	-1.06	5.40	+0.16	0.89	-2.08	4.93	+0.53	9.42	+7.17	6.74	+1.88	60.98	+14.15	
Fort Valley	6.11	+1.71	1.27	-3.12	5.83	+0.13	4.63	+0.34	5.92	+2.67	3.05	-1.80	4.41	-1.01	6.65	+1.95	1.53	-1.68	4.91	+2.32	7.18	+4.64	6.70	+3.35	59.11	+9.50	
Greensboro	8.27	+4.04	1.83	-2.76	7.71	+2.76	4.73	+0.75	2.85	-0.34	3.89	+0.01	3.90	-1.46	3.97	-0.91	5.00	+1.61	3.72	+1.01	8.93	+6.43	4.08	+0.71	59.86	+11.85	
Griffin	8.45	+4.20	2.03	-3.24	8.92	+3.34	5.20	+1.19	4.75	+1.62	8.61	+4.53	1.00	-4.48	6.96	+2.06	6.05	-2.44	3.25	+0.71	7.73	+5.21	5.62	+0.17	62.23	+12.87	
Lagrange	10.44	+4.56	1.99	-3.87	8.02	+1.62	4.19	+0.04	6.34	+3.54	3.75	-0.65	3.54	-1.67	3.39	-1.57	0.81	-2.16	1.31	-1.10	9.27	+6.50	4.64	+0.42	56.69	+6.77	
Louisville	4.71	+1.26	1.00	-3.37	8.75	+4.52	94.05	+0.07	3.63	+0.07	3.72	-0.35	1.16	-4.79	7.78	+2.77	4.24	+1.00	3.85	+1.25	8.13	+5.88	7.77	+4.48	58.69	+14.01	
Macon	6.59	+2.33	1.09	-3.34	7.80	+2.83	4.07	+0.92	5.09	+2.13	3.26	-0.78	5.00	+0.26	3.08	-1.12	1.12	-2.07	3.53	+1.19	8.72	+6.20	6.65	+2.66	55.86	+11.02	
Milledgeville	7.27	+3.02	1.47	-3.08	8.38	+3.27	3.54	+0.10	2.69	-0.51	8.25	+4.36	4.14	-1.72	4.10	-1.62	1.87	-1.61	2.93	+0.45	8.76	+6.32	6.93	+2.82	60.28	+12.77	
Millen	10.59	+2.28	1.17	-2.91	7.40	+3.46	6.95	+3.85	4.52	+1.38	5.15	+1.14	1.31	-4.73	4.46	-0.54	5.09	+1.25	5.54	+3.20	7.14	+5.12	7.24	+3.73	61.56	+16.23	
Monticello	10.45	+3.99	1.68	-3.56	8.20	+4.49	4.38	+0.35	4.86	+1.59	9.83	+5.43	4.18	-1.05	4.47	-0.25	1.99	-1.40	6.18	+3.40	9.10	+6.53	6.75	+2.42	70.24	+19.94	
Newnan	9.91	+5.16	2.39	-2.99	9.49	+3.60	5.08	+0.76	4.34	+0.82	7.06	+2.68	2.65	-2.56	3.88	-1.10	0.65	-2.40	1.74	-0.96	11.35	+8.51	4.71	-0.26	63.25	+11.26	
Swainsboro	10.42	.....	0.72	.....	37.65	.....	6.60	.....	7.15	.....	8.24	.....	1.95	.....	5.35	.....	1.25	.....	5.18	.....	7.93	.....	6.00	.....	65.24	.....	
Talbotton	9.07	+4.85	1.69	-3.62	7.06	+0.92	5.36	+1.18	6.53	+3.16	32.80	+2.76	4.75	+0.22	2.24	-0.76	2.49	-0.26	2.76	+0.26	8.35	+5.51	5.94	+1.28	64.51	+13.94	
Warrenton	6.72	+2.69	1.63	-3.13	7.44	+2.86	3.66	+0.24	3.17	+0.14	2.83	-1.22	2.69	-2.58	6.42	+1.85	2.87	-1.02	3.81	+1.14	8.86	+6.12	6.32	+2.64	66.22	+9.74	
West Point	9.04	+4.63	2.30	-3.14	6.28	-0.27	4.76	+0.24	4.56	+1.08	5.19	+0.83	3.33	-1.91	2.86	-2.29	1.69	-1.31	0.45	-2.11	7.96	+5.12	4.71	-0.48	53.13	+0.93	
Woodbury	8.02	+3.87	1.81	-3.26	7.82	+2.04	4.82	+0.78	5.15	+1.96	3.69	-0.52	3.05	-2.64	9.14	+5.11	1.66	-1.41	2.52	+0.21	9.52	+7.04	4.45	+0.25	61.85	+12.93	
<i>Southern Division</i>																											
Alapaha	4.67	+0.94	1.16	-3.15	7.12	+2.88	7.53	+4.07	4.39	+1.22	4.25	-0.62	1.92	-3.95	7.03	+1.35	8.21	+4.26	8.49	+6.31	8.46	+6.61	5.82	+2.20	69.05	+22.12	
Albany	6.61	+2.51	1.15	-3.77	10.35	+5.45	5.16	+1.31	7.04	+3.36	2.65	-1.84	3.81	-2.09	5.41	-0.22	2.81	-0.53	4.94	+2.67	10.99	+8.70	6.68	+2.78	67.62	+18.33	
Alma	5.09	.....	0.68	.....	4.90	.....	4.58	.....	3.23	.....	4.63	.....	2.08	.....	5.79	.....	10.54	.....	8.49	.....	7.96	.....	6.59	.....	64.55	.....	
Americus	6.20	+1.85	0.95	-3.94	6.96	+1.60	4.45	+0.64	5.57	+2.17	4.39	+0.08	3.94	-1.59	7.71	+2.48	2.11	-1.12	5.1								

Monthly and Annual Mean Temperatures for the Year 1947, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual			
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure		
<b>Northern Division</b>																												
Athens Airport.....	46.4		39.1		44.7		63.5		69.3		75.6		76.9		79.3		74.8		65.7		48.6		44.0		60.6			
Athens No. 1.....	47.5	+3.9	40.8	-5.0	46.4	-6.7	64.4	+3.0	69.3	-0.8	75.4	-1.9	76.4	-3.1	78.6	+0.1	74.7	+1.0	65.2	+2.6	49.1	-3.0	44.6	0.0	61.0	-0.9		
Atlanta Airport.....	45.8	+3.3	38.7	-6.6	45.3	-6.7	63.4	+2.3	68.9	-1.4	75.4	-1.3	77.0	-2.1	79.2	+1.2	75.0	+2.2	66.4	+3.7	48.8	-2.7	45.4	+1.2	60.8	-0.6		
Atlanta [City].....	46.6	+4.0	38.7	-6.6	45.8	-6.2	63.7	+2.7	68.3	-1.6	75.4	-0.6	76.2	-1.9	79.1	+2.1	74.8	+2.2	66.6	+3.6	48.6	-3.5	46.6	+1.9	60.8	-0.4		
Blairsville.....	45.0	+5.3	33.8	-7.5	41.8	-10.1	60.2	+4.0	62.8	-5.4	69.7	-1.6	69.5	-3.6	75.2	+1.8	70.6	+2.4	62.6	+4.1	47.0	-1.4	40.2	+1.6	56.5	-0.3		
Carlton Bridge.....	46.6	+2.6	39.4	-6.1	45.6	-7.5	63.4	+2.6	67.8	-2.1	74.6	-2.6	76.2	-3.0	79.0	+0.7	75.0	+1.4	65.6	+3.2	49.0	-1.9	42.6	-2.1	60.4	-1.2		
Cartersville.....	44.7	+2.9	37.4	-5.4	44.4	-6.1	61.8		67.4		76.0		76.6		79.6		75.0		66.0		49.1		44.3		60.2			
Cedartown.....	48.2	+4.8	38.6	-6.2	46.0	-7.6	63.8	+2.7	68.6	-0.8	75.3	-1.9	76.2	-2.9	79.8	+1.0	75.3	+1.7	65.2	+2.8	49.6	-1.9	43.6	-0.4	60.8	-0.8		
Clayton.....	46.6	+6.1	35.5	-6.0	42.3	-6.7	60.7	+4.4	64.2	-0.4	70.4	-1.2	71.1	-2.9	75.4	+2.0	70.6	+2.0	61.9	+3.6	47.1	-1.1	44.2	+3.0	57.5	+0.2		
Cornelia.....	48.2	+6.0	38.2	-6.0	44.2	-6.4	63.0	+3.7	66.2	-0.4	72.2	-2.2	73.9	-3.2	76.8	+0.9	72.6	+0.6	63.4	+2.5	48.2	-2.1	43.7	+0.2				
Dahlonega.....	45.8	+4.2	37.4	-5.7	43.2	-7.7	62.5	+3.8	66.4	-0.2	72.2	-1.2	73.6	-2.0	77.7	+2.6	73.0	+2.4	64.4	+4.5	47.4	-2.4	43.4	+1.2	58.9	-0.1		
Dalton.....	45.4	+3.3	36.4	-7.3	43.7	-9.0	63.2	+2.8	66.4	-2.2	73.5	-2.8	74.8	-4.0	80.5	+2.8	73.7	+1.7	65.6	+3.2	48.2	-2.3	42.4	+0.2	59.5	-1.2		
Gainesville.....	47.1	+5.3	37.8	-5.6	45.8	-5.9	62.8	+3.5	66.2	-1.6	72.2	-2.4	73.4	-4.2	77.2	+0.8	73.0	+1.5	63.4	+2.6			33.9	+1.1				
Hartwell (near).....	47.2	+3.2	39.0	-6.6	45.6	-7.5	63.1	+2.2	67.2	+1.7	75.4	-1.9	76.2	-3.2	78.8	+0.4	76.6	+2.6	65.4	+2.6	49.9	-2.0	44.0	-0.3	61.1	-0.7		
Jasper.....	45.2	+3.6	36.4	-7.1	43.5	-6.2	62.0	+1.5	67.2	-2.1	74.6	-2.3	74.6	-4.4	80.5	+1.0			66.6	+4.1	47.9	-2.6	42.8	-0.4				
La Fayette.....	46.3	+3.6	39.0	-6.0	46.4	-6.5	64.2	+3.0	67.8	-2.0	75.4	-1.6	76.5	-2.2	76.4	+2.6	76.2	+4.7	49.8	-1.1	44.1	+1.8	61.2	-0.2				
Rome.....	46.6	+3.8	38.8	-5.4	45.6	-6.9	62.8	+3.2	64.9	-3.3	73.0	-2.6	72.9	-5.0	76.9	+0.2	73.0	+2.4	64.0	+2.7	48.2	-2.4	45.2	+1.8	59.3	-0.6		
Tallapoosa.....	47.6	+4.6	40.8	-3.7	45.8	-6.4	64.6	+4.2	68.8	+0.1	75.6	-0.6	76.0	-2.3	79.4	+2.3	74.7	+2.5	66.0	+4.8	50.6	-0.6	45.8	+2.1	61.3	+1.2		
Toccoa.....	48.0	+2.4	42.0	-5.0	46.8	-8.5			70.0	-1.5	76.4	-2.0	77.0	-3.5	79.0	-0.6	75.6	+0.5	67.1	+3.1	49.8	-5.0	45.2	-0.7				
Washington.....	46.4		39.1		44.7		63.5		69.3		75.6		76.9		79.3		74.8		65.7		48.6		44.0		60.6			
<b>Middle Division</b>																												
Augusta.....	51.6	+4.6	43.4	-6.5	49.3	-6.7	67.8	+3.6	73.2	+0.8	78.4	-0.3	79.6	-1.7	80.4	0.0	78.8	+1.5	69.7	+4.4	52.8	-1.7	48.0	-0.1	64.2	-0.2		
Brooklet.....	56.2	+6.2	45.8	-6.2	51.0	-8.5	70.6	+4.6	73.8	-0.3	78.3	-1.9	78.4	-3.5	79.9	-1.4	76.0	-1.3	70.0	+2.6	55.4	-2.0	51.2	+0.6	65.6	-0.9		
Carrollton.....	48.4	+5.8			47.2	-6.7	64.6	+3.2	69.4	0.0	76.2	-0.4			80.1	+2.2	75.4	+2.5	67.7	+4.9	49.8	-2.1	45.2	+1.1				
Columbus Airport.....	50.8		43.1		49.8		66.4		71.6		77.7		78.2		81.1		77.2		70.4		52.6		48.6		64.0			
Covington.....	47.4	+3.0	40.3	-4.6			64.4	+3.3	69.0	-1.5	75.8	-2.0	77.2	-2.8	80.8	+1.8	76.5	+2.1	67.8	+5.0	49.8	-2.8	45.3	+0.4				
Dublin.....	52.8	+3.7	45.2	-6.2	50.8	-6.8	68.8	+3.5	72.5	-0.2	78.1	-1.5	78.8	-2.4	80.6	0.0	77.0	+0.3	69.0	+2.6	53.4	-2.2	49.3	-0.5	64.7	-0.8		
Experiment.....	46.6	+2.1	38.9	-6.7	45.7	-9.5	63.2	+1.7	69.0	-1.6	75.9	-2.0	77.7	-1.4	78.4	-0.3	75.0	+0.9	66.6	+2.8	49.0	-3.9	45.6	+1.0	60.9	-1.4		
Fair View.....	49.0	+2.0	42.4	-6.5	48.1	-7.4	65.1	+3.2	69.9	-0.8	76.8	-1.0	77.4	-2.0	78.2	-0.4	75.7	+1.1	67.4	+2.9	50.7	-3.4	47.0	-0.2	62.3	-1.1		
Fort Valley.....	50.8	+3.0	42.9	-7.6	49.2	-7.6	67.4	+2.8	71.8	-0.6	77.8	-1.6	78.0	-2.7	78.8	-1.5	76.3	-0.4	68.9	+3.1	51.6	-3.5	47.6	-1.3	63.4	-1.5		
Greensboro.....	48.9	+4.0	41.8	-4.9	47.6	-6.9	65.6	+3.6	70.0	-0.5	76.5	-2.4	77.2	-2.6	79.8	+0.8	76.0	+1.4	67.6	+4.0	50.8	-2.1	46.8	+1.3	62.4	-0.3		
Griffin.....	49.5	+3.4	42.6	-5.4	48.7	-7.0	66.0	+2.9	69.8	-1.3	75.6	-2.3	76.3	-3.0	79.0	0.0	76.6	+1.6	68.6	+4.0	51.2	-3.1	47.9	+1.0	62.7	-0.8		
Lagrange.....	48.8	+3.5	42.1	-5.4	49.7	-5.8	65.0	+2.7	69.5	-1.5	75.2	-3.1	75.7	-3.4	78.6	-0.4	74.4	-0.1	66.4	+2.6	48.8	-4.3	44.6	-2.2	61.6	-1.4		
Louisville.....	52.8	+4.9	45.2	-4.5	50.4	-7.0	68.0	+3.9	72.4	-0.4	78.2	-1.8	78.4	-4.2	78.4	-1.8	74.8	-1.1	68.0	+2.6	52.6	-2.5	48.4	+0.2	64.0	-0.8		
Macon.....	50.6	+3.8	43.5	-5.8	49.6	-7.1	67.1	+3.2	71.5	-0.8	77.8	-1.1	77.8	-3.4	79.8	-0.1	76.4	+1.6	68.6	+4.1	51.9	-2.3	47.8	+0.3	63.5	-0.7		
Milledgeville.....	50.6	+4.3	43.4	-5.1	49.1	-6.8	67.6	+3.9	71.6	-0.7	77.1	-2.0	77.0	-4.2	78.4	-2.0	76.2	+0.3	67.8	+3.1	51.8	-2.3	46.4	-0.8	63.0	-1.1		
Millen.....	54.8	+6.0			49.6	-8.4	65.7	+4.4	73.4	+0.1	78.7	-1.3	79.4	-2.3	81.3	+0.2	77.4	+0.6	70.4	+4.2	54.8	-1.2	49.4	+0.2				
Monticello.....	50.6	+5.1	41.4	-6.2	46.8	-8.4	65.7	+2.6	69.0	-1.6	76.7	-2.0	77.3	-3.0	79.8	+0.1	76.6	+1.2	67.9	+3.6	50.2	-3.5	46.4	-0.1	62.4	-1.1		
Newnan.....	47.2	+2.4	38.6	-7.8	45.0	-9.5	62.8	+1.1	68.8	-1.8	75.5	-2.3	76.7	-3.0	79.0	+0.1	75.4	+0.9	67.4	+3.7	49.2	-4.0	45.2	-0.2	60.9	-1.7		
Swainsboro.....	54.0		45.8		50.4		69.2		72.8		78.2		79.8				76.4		69.4		53.1		51.2		61.2			
Talbotton.....	50.8	+3.4	44.2	-4.8	50.3	-6.2	65.6	+2.3	69.6	-2.1	75.8	-2.7	75.9	-4.2	78.0	-1.5	74.6	-0.8	68.2	+3.1	51.7	-3.0	49.0	+1.0	62.8	-1.3		
Warrenton.....	50.1	+3.4	42.4	-5.6	48.0	-7.9	66.6	+3.5	70.8	-0.9	76.1	-2.4	76.6	-3.9	78.3	-1.3	74.3	+0.8	67.3	+3.2	50.7	-3.4	46.5	+1.8	62.4	-1.3		
West Point.....	50.4	+4.6	42.4	-5.2	49.8	-5.7	66.2	+3.2	70.2	-1.2	76.8	-1.9	77.8	-2.7	81.0	+1.3	77.2	+2.0	69.0	+4.8	52.9	-0.6	46.6	+0.3	63.4	0.0		
<b>Southern Division</b>																												
Alapaha.....	57.4	+6.0	46.0	-7.3	52.4	-7.6	69.8	+3.2	73.4	-0.6	78.8	-1.1	78.0	-3.5			76.4	-1.1	71.1	+3.3	57.4	-0.6	53.4	+1.5				
Albany.....	57.2	+6.4	48.2	-4.6	54.0	-6.4	71.2	+4.0	74.9	+0.2	80.6	-0.3	80.0	-2.2	81.4	-0.3	78.2	0.0	71.4	+3.2	56.4	-1.6	52.6	+1.0	67.2	0.0		
Alma.....	57.0		45.9		51.6		69.6		73.2		77.6		78.5	</														



COMPARATIVE DATA FOR THE STATE

Table with columns: Year, Temperature (Mean, Highest, Lowest), Precipitation (Northern, Middle, Southern, Average), and Number of days (Precip. .01 or more, Clear, Pt. cloudy, Cloudy). Rows list years from 1892 to 1947.

KILLING FROSTS

Table with columns: Stations, Last in spring, First in autumn. Rows are categorized by Northern Division, Middle Division, and Southern Division.

\* Freezing temperature.

SUPPLEMENTARY PRECIPITATION TOTALS TABLE-1947

Table with columns: Stations, Jan., Feb., Mar., Apr., May, June, July, Aug., Sept., Oct., Nov., Dec., Ann. Rows list various stations across Georgia.

AVERAGES AND EXTREMES FOR 1947

Table with columns: Months, Temperature (Mean, Departure from normal, Maximum, Minimum), Precipitation (Average, Departure from normal, Greatest, Least), and No. days with .01 inch or more.

\* Hydrologic Recorder Station. † Interpolated or partly interpolated.













