

CLIMATOLOGICAL DATA

GEORGIA SECTION

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GENERAL SUMMARY

September, 1929, was an unusually wet month in Georgia, especially over the eastern half of the State. The average precipitation, 9.62 inches, has been exceeded only once, namely in 1924. Only one very brief period of fair weather occurred from the 18th to about the 21st. Extremely heavy downpours occurred, especially on the 25th to 27th. The maximum rainfall in 24 hours was 15.00 inches at Glennville; other remarkable records were 12.75 inches at Brooklet, 8.38 inches at Augusta, 8.10 at Millen, and 8.90 at Washington. The total rainfall for September exceeded 10.00 inches at 28 stations, and exceeded 24.00 at Brooklet and Glennville.

Temperatures were considerably below normal. Moderately warm weather prevailed from about the 4th to about the 11th, and the lowest temperatures for the month from the 17th to the 25th.

The heavy rains caused unusually high river stages and flooding of lowlands throughout the eastern half of the State. The Savannah River at Augusta reached the extraordinary stage of 46.1 feet at 9 p. m. on September 27 (highest previous stage 38.8 feet in 1908). Augusta is protected by a levee and did suffer an unusual amount of damage, although a break about 250 wide occurred in the levee south of the city and backwater flooded several streets in the southern section. In the lowlands north of Augusta several manufacturing plants, oil companies, etc., were damaged. The lowlands of the Savannah, especially on the South Carolina side, were badly inundated.

Crops throughout the entire section from Washington and Augusta south to Valdosta and Waycross were badly damaged, especially cotton and corn; highways were rendered impassable, railroads suffered washouts, and traffic was completely disorganized. A passenger train of the Central of Georgia Railway plunged into a washout between Elmira and Davisboro and the engineer, Gilbert W. Callahan, was killed.

Flood conditions in the Oconee and Ocmulgee were not exceptionally dangerous. The crest at Milledgeville on the Oconee was 25.2 feet, as compared with 36.7 in 1925, and at Abbeville on the Ocmulgee 15.6 feet, as compared with 26.0 in 1925. High stages did not occur in the Flint or Chattahoochee. Estimates of damage will be given in the October bulletin, as dangerous flood conditions were repeated early in October.

TEMPERATURE

The monthly mean temperature from the records of 50 stations was 74.3°, or 1.0° below normal. The highest monthly mean temperature was 78.0° at Brunswick, and the lowest was 64.5° at Clayton. The highest temperature recorded was 97° at Washington on the 6th and at Americus and Hawkinsville on the 11th. The lowest was 44° at Clayton on the 19th.

PRECIPITATION

The average precipitation for the month, 62 stations reporting, was 9.62 inches, or 6.15 inches above the normal. The greatest amount was 24.51 inches at Glennville, and the least was 2.68 inches at Montezuma. The average number of days

with 0.01 inch or more of precipitation was 14. The greatest amount in any 24 hours was 15.00 inches at Glennville on the 27th.

MISCELLANEOUS PHENOMENA

The prevailing direction of the wind was northeast, with an average velocity of 6.2 miles per hour. The maximum velocity (for 5 minutes) was 30 miles per hour from the west at Atlanta on the 16th.

The average number of clear days was 8, partly cloudy 9, and cloudy 13.

The percentage of possible sunshine (determined from the records of five Weather Bureau stations) was 48 (normal 62).

Thunderstorms occurred scatteringly over the State almost daily for the first 17 days and again on the 24th, 25th, 26th, and 30th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea level)					Wind			Relative humidity				
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	Mean 7 a. m.	Mean noon	Mean 7 p. m.	Percentage of sunshine
Atlanta.....	30.04	30.26	1	29.76	30	7.9	30	w.	16	85	66	74	52
Augusta.....	30.04	30.25	1	29.76	30	4.7	20	nw.	17	87	64	75	48
Macon.....	30.02	30.25	1	29.68	30	5.3	20	se.	4	87	64	77	68
Savannah....	30.02	30.22	1	29.72	30	9.1	26	e.	29	91	77	87	37
Thomasville..	29.98	30.18	1	29.43	30	4.1	18	ne.	30	90	65	83	39

COMPARATIVE STATE DATA FOR SEPTEMBER

Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest amount	Least amount	With precipitation (0.01 inch or more)	Clear	Partly cloudy	Cloudy	
1892.....	72.4	-2.9	94	43	3.61	+0.14	20.05	1.14	6	11	8	8	8
1893.....	75.0	-0.3	99	44	2.86	-0.61	9.07	1.79	7	15	8	8	8
1894.....	75.1	-0.2	98	46	3.72	+0.25	11.65	1.16	4	13	11	8	6
1895.....	77.0	+1.7	98	36	1.53	-1.94	5.33	0.63	4	17	9	4	4
1896.....	76.3	+1.0	102	35	2.37	-1.10	9.59	0.00	4	17	10	8	10
1897.....	73.8	-1.5	99	39	2.83	-0.64	16.23	0.00	4	17	8	9	9
1898.....	75.3	0.0	98	51	4.76	+1.29	12.08	0.26	4	12	9	9	9
1899.....	73.4	-1.9	100	34	1.40	-2.07	7.62	0.12	4	20	7	7	7
1900.....	77.3	+2.0	100	41	3.06	-0.41	7.11	0.44	4	20	7	7	7
1901.....	73.1	-1.2	98	41	5.19	+1.72	13.28	1.25	10	10	10	10	10
1902.....	73.0	-1.3	99	40	4.67	+1.20	13.26	0.55	5	15	10	6	10
1903.....	73.1	-1.2	99	40	4.40	+0.93	12.73	0.78	5	15	10	6	10
1904.....	76.0	+0.7	101	44	1.48	-1.99	4.85	T.	5	18	9	3	3
1905.....	78.8	+1.5	102	51	2.95	-0.52	15.35	0.08	6	17	7	6	6
1906.....	77.5	+0.2	99	54	5.29	+1.82	13.72	0.35	11	11	11	8	8
1907.....	75.5	+0.2	102	46	6.24	+2.77	13.16	2.26	11	12	11	7	7
1908.....	73.2	-2.1	99	38	3.11	-0.36	13.34	0.83	6	14	9	7	7
1909.....	74.2	-1.1	101	36	3.17	-0.30	9.51	0.24	8	12	11	7	7
1910.....	76.3	+1.0	103	43	2.48	-0.94	7.30	0.40	6	16	8	6	6
1911.....	79.6	+4.3	100	58	2.95	-0.52	8.59	0.28	7	16	9	5	5
1912.....	77.3	+2.0	103	46	5.73	+2.26	12.95	2.00	12	11	7	12	12
1913.....	72.3	-3.0	97	36	4.12	+0.65	7.84	0.77	10	14	6	10	10
1914.....	72.7	-2.6	99	38	3.53	+0.06	7.58	0.69	7	14	8	8	8
1915.....	76.5	+1.5	94	41	2.63	-0.84	8.41	0.05	6	16	8	6	6
1916.....	73.6	-1.7	98	35	2.20	-1.27	6.76	0.20	5	19	7	7	7
1917.....	72.8	-2.5	102	43	5.63	+2.16	10.79	1.49	9	11	9	10	10
1918.....	71.2	-4.1	97	35	3.17	-0.30	8.41	0.99	3	15	7	8	8
1919.....	75.0	-0.3	99	43	1.41	-2.06	6.35	0.00	3	20	6	4	4
1920.....	76.4	+1.1	100	40	3.50	+0.03	10.47	0.76	5	15	9	6	6
1921.....	81.2	+5.9	104	57	2.23	-1.24	6.22	0.29	5	19	8	3	3
1922.....	76.3	+1.0	104	46	1.57	-1.90	7.16	0.10	4	20	6	6	6
1923.....	76.5	+1.2	100	41	1.97	-1.50	6.95	0.10	14	10	6	6	6
1924.....	71.7	-3.6	100	40	10.67	+7.20	23.95	0.00	14	10	6	6	6
1925.....	83.3	+8.3	101	50	3.64	+0.17	9.43	0.34	7	18	7	7	7
1926.....	78.8	+3.8	101	50	3.64	+0.17	9.43	0.34	4	18	9	3	3
1927.....	77.1	+1.8	107	34	-1.31	-2.16	5.81	T.	11	13	8	9	9
1928.....	73.5	-1.8	97	34	7.10	+3.63	21.28	1.87	11	13	8	9	9
1929.....	74.3	-1.0	97	44	9.62	+6.15	24.51	2.68	14	8	8	9	13
Normals..	75.3				3.47				7	16	8	6	6

Daily Precipitation for September, 1929

Table with columns: Stations, Drainage basins, Day of month (1-31), Total. Rows include Northern division (Athens, Atlanta, Blue Ridge, etc.), Middle division (Augusta, Brooklet, Butler, etc.), and Southern division (Abbeville, Alapaha, Albany, etc.).

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at the time of observation.
||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.
† Separate dates of falls not recorded.
*** Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.

Daily Temperatures for September, 1929

Table with columns for Stations (1-31) and Mean, and rows for various locations including Athens, Atlanta, Blue Ridge, Carlton, Clayton, Cornelia, Dahlonega, Gainesville, Hartwell, Rome, Tallapoosa, Terrell, Washington, Augusta, Columbus, Dublin, Fort Valley, Greensboro, Griffin, Macon, Milledgeville, Millen, Monticello, Newnan, Stillmore, Talbotton, Warrenton, West Point, Alapaha, Albany, Americus, Bainbridge, Blakely, Brunswick, Eastman, Fort Gaines, Glennville, Hawkinsville, Hazlehurst, Quitman, St. George, Savannah, Thomasville, and Waycross. Each station entry includes Maximum and Minimum temperature values for each day of the month.

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

☉ Instruments are read in the morning.

WBO, Atlanta, 10-14-29-975