

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

LOUISIANA SECTION.

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VOL. XXIII. NEW ORLEANS, LA., AUGUST, 1918. No. 8.

GENERAL SUMMARY.

The mean temperatures were mostly above the normal. The maximum temperatures in the northern portion frequently exceeded 100° during the first and second decades. The highest temperatures for the month ranged from 92° to 109°, and the lowest from 59° to 70°.

The rainfall was above the normal in most sections, but was deficient in the river parishes bordering on southwestern Mississippi below Vicksburg. The rainfall was well distributed through the month. The monthly amounts were 10 to 17 inches in St. Mary Parish and 8 to 10 inches north of Lake Pontchartrain and in the extreme southwest. Rainfall of 2 to 4 inches in the southwestern and south-central portions attended the hurricane that passed over extreme southwestern Louisiana on the afternoon of the 6th. The destructive winds in this hurricane caused great damage in Cameron and Calcasieu Parishes and about 34 persons were killed. The principal property losses were at Lake Charles, Gerstner Field, Sulphur, and Lockmoor, and in the crops and standing timber. The center of the storm passed just west of Creole, near or through Westlake and DeQuincy, and crossed the Sabine River just below Merryville.

Cotton and corn were damaged considerably in the extreme southwest on the 6th. The injury to early rice was offset, as a whole, by improvement in young rice from much needed rains. Rice harvesting made good progress except where rains interfered at times. The rains were generally too late for cotton and corn, which continued to deteriorate. Much cotton opened and picking made fair to good progress. There was some shedding and boll weevil activity. Corn was being gathered, with poor results in the north and poor to good in the south. Sugar cane improved and was in generally good condition. The weather was favorable for meadows, pastures and sweet potatoes.

Low and generally slowly falling stages prevailed in the rivers.

R. A. D.

PRESSURE.

The average pressure, reduced to sea level, determined from the records of the regular Weather Bureau stations at New Orleans and Shreveport, La., and Vicksburg, Miss., was 30.04 inches. The highest recorded was 30.25 inches, at Vicksburg, on the 13th; and the lowest was 29.75 inches, at Shreveport, on the 6th.

TEMPERATURE.

The monthly mean temperature, determined from the records of 47 stations, was 81.9°, which is 0.8° higher than the mean for August 1917, and 0.2° above the normal. The highest temperature recorded, 109°, occurred at Angola, West Feliciana Parish, on the 16th; and the lowest, 59°, occurred at Franklinton, Washington Parish, on the 1st.

PRECIPITATION.

The average precipitation, determined from the records of 55 stations, was 6.68 inches, being 1.02 inches above the normal. The greatest monthly amount, 17.03 inches, occurred at Avoca Island, St. Mary Parish; and the least, 2.23 inches, at Shreveport, Caddo Parish. The greatest amount in 24 hours, 4.91 inches, occurred at Franklin, St. Mary Parish, on the 7th. The average number of days with 0.01 inch or more was 11.

SUNSHINE AND CLOUDINESS.

Total sunshine, hours: New Orleans, 165.4; Vicksburg, 272.7. Total possible, hours: New Orleans, 409.3; Vicksburg, 412.3. Percentage of possible: New Orleans, 40; Vicksburg, 66.

WIND.

Stations.	Total movement, miles.	Average hourly velocity.	Maximum vel.	Direction.	Date.
New Orleans.....	3,542	4.8	32	ne.	17
Shreveport.....	4,783	6.0	38	se.	7
Vicksburg, Miss.....	3,866	5.2	29	e.	18

HUMIDITY.

STATIONS.	7 a. m.	7 p. m.	Monthly.
New Orleans.....	85	79	82
Shreveport.....	86	59	72
Vicksburg, Miss.....	90	60	75

MISCELLANEOUS PHENOMENA (Dates).

*Thunderstorms.*—Abbeville, 6, 21, 27; Amite, 7, 8, 12, 13, 18, 27; Calhoun, 16, 17, 31; Camp Beauregard, 6, 11, 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27; Clinton, 1, 4, 10, 11, 13, 17, 19, 20, 26, 27; Covington, 11, 12, 13, 17, 18, 27; Franklin, 1, 2, 11, 12, 13, 17, 27; Grand Coteau, 1, 2, 4, 6, 12, 13, 17, 19; La Rose (near), 2, 17; Minden, 19; New Orleans, 3, 4, 6, 8, 10, 12, 13, 14, 17, 19, 20, 21, 26, 27, 28, 30, 31; Plain Dealing, 17, 18; St. Francisville, 6, 7, 15, 26; Shreveport, 8, 13, 18, 19, 20, 21, 25, 26, 31.

*Dense Fog.*—Amite, 30.

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature.				Precipitation.			
	Mean.	Departure.	Maximum.	Minimum.	Mean.	Departure.	Greatest.	Least.
1891.....	79.4	-2.4	102	45	2.36	-1.83	5.34	0.20
1892.....	80.5	-1.3	100	53	5.76	+1.57	9.76	2.10
1893.....	80.0	+1.0	101	52	4.97	+0.69	11.25	1.63
1894.....	79.2	-0.7	100	55	6.52	+0.90	12.46	2.20
1895.....	81.5	+1.4	101	63	5.28	-0.30	9.74	0.53
1896.....	83.2	+2.7	110	49	3.10	-2.20	8.99	0.77
1897.....	81.2	+0.7	109	58	5.84	+0.48	13.46	0.63
1898.....	81.0	+0.3	102	53	6.26	+1.30	14.39	1.39
1899.....	83.3	+2.3	108	60	4.55	-0.83	10.61	0.61
1900.....	81.4	+0.4	100	60	4.59	-0.68	12.65	1.06
1901.....	81.9	+0.7	105	52	5.46	+0.47	14.74	1.86
1902.....	84.1	+2.9	107	61	3.47	-1.76	9.69	0.02
1903.....	81.7	+0.4	101	56	4.71	-0.74	11.12	1.80
1904.....	80.2	-1.2	102	53	5.19	+0.29	13.31	1.66
1905.....	82.6	+1.2	104	60	4.92	-0.22	13.56	1.30
1906.....	82.1	+0.6	105	52	2.92	-2.09	8.02	0.25
1907.....	82.8	+1.3	105	61	4.66	-0.40	10.11	0.44
1908.....	81.3	-0.2	104	60	6.61	+1.47	14.80	2.18
1909.....	82.8	+1.4	112	63	6.12	+1.55	13.72	1.32
1910.....	82.8	+1.3	105	61	4.42	-0.51	10.63	0.50
1911.....	81.5	-0.1	106	52	8.01	+3.63	18.79	2.87
1912.....	81.3	-0.1	104	51	5.89	+1.13	13.46	1.05
1913.....	81.7	-0.2	104	54	4.47	-0.42	10.68	0.94
1914.....	80.8	-1.1	106	59	7.48	+2.84	14.45	3.91
1915.....	80.8	-1.0	105	51	6.78	+1.60	17.38	1.24
1916.....	82.0	+0.3	105	54	4.49	-0.59	10.29	0.25
1917.....	81.1	-0.6	108	53	5.71	+0.81	12.17	1.71
1918.....	81.9	+0.2	109	59	6.68	+1.02	17.03	2.23





Daily Temperatures for August, 1918.

Table with columns for Stations, 1-31, and Mean. Rows list various Louisiana locations such as Abbeville, Alexandria, Amite, Angola, Antioch, Baton Rouge, Burrwood, Cades, Calhoun, Carrollton, Cheneyville, Ctnelare, Clinton, Collinston, Covington, Dodson, Donaldsonville, Franklin, Franklinton, Grand Cane, Grand Coteau, Hammond, Houma, Jennings, Kelly, Lafayette, Lake Charles, Lakeside, Lawrence, Liberty Hill, Melville, Minden, Monroe, Napoleonville, Newellton, New Iberia, NEW ORLEANS-1, Opelousas, Plain Dealing, Poutchartrain Grove, Rayne, Reserve, Robeline, Ruston, St. Francisville, St. Gabriel, Schriever, Shreveport, Sugartown, Tallulah.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.