

swept through the region, bringing more rains. New Orleans International Airport measured 5.71 inches on December 15th. After a brief period of fair weather, another Gulf storm swept across coastal Louisiana around December 18th. By the end of the week, month-to-date rainfall for December 2009 at New Orleans International Airport (Louis Armstrong) was 24.92 inches, which more than doubled the record December rains at the site (10.77 inches recorded in December 1967). This total broke the record for any single month at Louis Armstrong (21.18 inches recorded in May 1995). Areal rainfall totals ranged from around 4.50 inches for coastal Mississippi and east-central Louisiana to 6.52 inches over southeast Louisiana.

The week of December 21st opened with high pressure over the region. By December 23rd, a cold front brought heavy rain and severe weather. Areal rainfall averages were generally less than 0.80 inch for the week. Behind this system, high pressure dominated the weather until December 30th. Then, another low pressure system developed and tracked across the southeastern Louisiana, bringing more rain. Areal rainfall totals through December 31st ranged from 0.68 over southeast Louisiana to around 1.68 inches over east-central Louisiana.

Flooding...

The Atchafalaya River rose above the flood stage at Morgan City on October 20th and crested on November 21st. Minor flooding continued into January 2010.

With the heavy rainfall during the week ending December 13th, minor flooding developed on the Tickfaw River near Liverpool and Killian; on the Tangipahoa River near Robert; on the Tchefuncte River near Covington; on the Bogue Falaya River at downtown Covington; on the Lower Pearl River near Bogalusa; on the West Hobolochitto River near McNeil, MS; on the East Hobolochitto Creek near Caesar, MS; on the Wolf River near Gulfport, MS; on the Biloxi River near Lyman, MS; and on the Tchoutacabouffa River near D'Iberville, MS. Heavy rains continued from December 13th into December 14th and led to more extensive flooding.

Repeated storm events dumped copious rainfall over the region during the week ending December 20th. Flooding started on the Amite River near Denham Springs and Bayou Manchac Point; on the Tchefuncte near Folsom; on the Bogue Chitto River near Tylertown, MS, Franklinton, and Bush; on the Lower Pearl River at Pearl River; and on the Pascagoula River near Graham Ferry, MS.

Several sites that had dropped below flood stage were pushed back above their flood stages. Flooding redeveloped on the Tickfaw River near Liverpool; on the Tchefuncte River near Covington; on the Bogue Falaya River at downtown Covington; on the East Hobolochitto River near Caesar, MS; on the West Hobolochitto River near McNeil, MS; on the Wolf River near Gulfport, MS; on the Biloxi River near Lyman, MS; and on the Tchoutacabouffa River near D'Iberville, MS.

With the heavy rains during that week, flooding reached moderate levels on the Tangipahoa River at Robert; on the Bogue Chitto River at Tylertown, MS; on the Lower Pearl River at Bogalusa; and on the East Hobolochitto Creek at Caesar, MS. Major flooding occurred at Pearl River on the Pearl River. Most flooding had ended across the region by December 23rd. Flooding continued on the Lower Pearl River at Bogalusa and Pearl River into January 2010.

The low pressure systems that developed over the region during the last week of December caused flooding to redevelop by December 28th on the Pascagoula River near Graham Ferry, MS. Flooding ended by December 29th.

Monthly Reports by Agricultural Region
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Areal Average

Departure from Normal

Southwest Mississippi (3 Sites)	9.51	+3.45
South Central Mississippi (2 Sites)	12.47	+6.83
Coastal Mississippi	16.50	+11.52
Central Louisiana (3 Sites)	13.88	+8.49
East Central Louisiana	16.81	+11.60
South Central Louisiana (6 Sites)	13.89	+8.88
Southeast Louisiana	17.07	+12.41

Extreme Rainfall for the Month (Inches and Departure from Normal)

New Orleans International Airport	25.92	+20.85	Metairie, LA	23.23
New Orleans (Audubon),	22.93	+18.28	Terrytown, LA	21.77
Slidell, LA	21.24	+16.55	New Orleans (Lakefront)	20.87

Drought...

Soils conditions remained normal throughout December across southeastern Louisiana and southern Mississippi.

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