



South Mississippi CoCoRaHS Newsletter

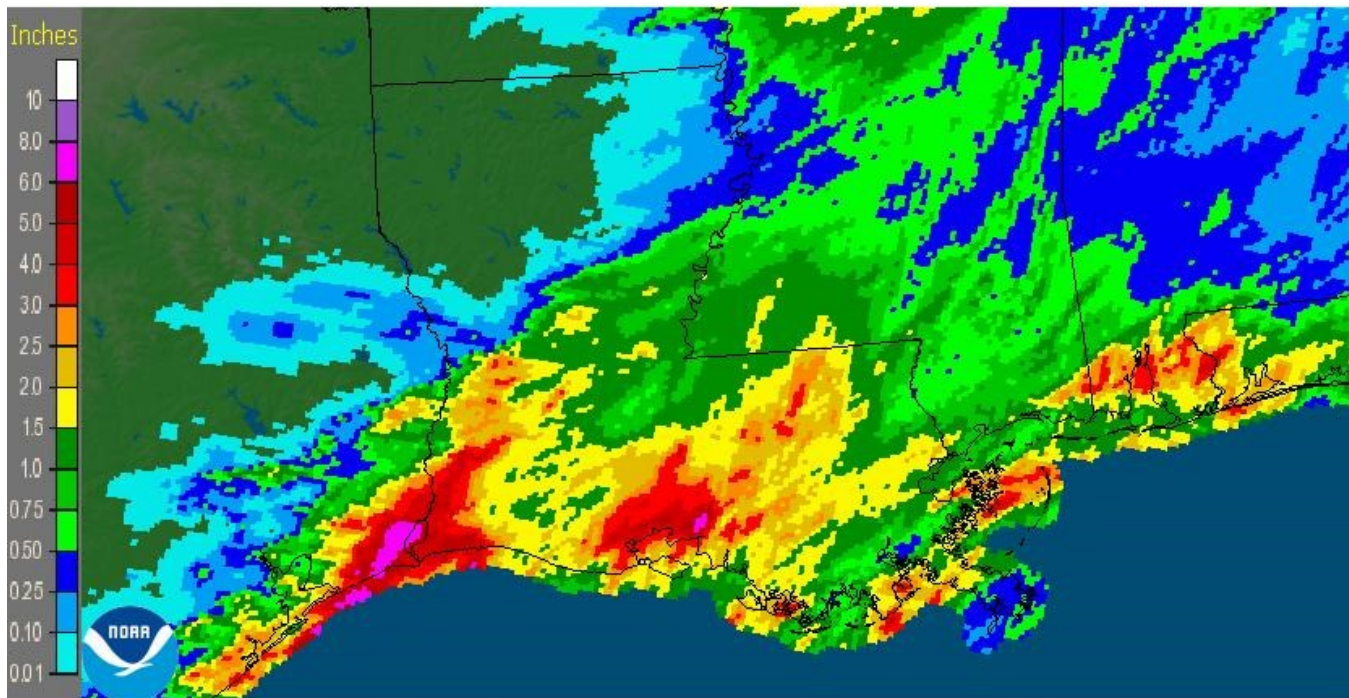
August 3, 2014

"Because every drop counts"

Three cold fronts in July???

July in the Deep South is typically frequented by gulf breezes that bring afternoon thunderstorms on nearly a daily basis. This year was decidedly different with cold frontal passages the typically end in late June and not return until September. A large trough of low pressure over the eastern U.S. allowed for cooler and drier Canadian air to move much farther south than usual. The result was three out-of-season cold frontal passages—the first in time for Fourth of July festivities, another in mid-month on the 16th and 17th, and a third one near the end of the month. All three were accompanied by thunderstorms, with the second front being the wettest of the three. The image below is the 24 hour rainfall totals ending at 7 am CDT on the 19th, which was caused by a disturbance that moved along the the frontal zone. The easternmost MS gulf coast area got the most rain from this system. For the remainder of the month, southern Mississippi averaged between 4 and 7 inches of accumulation. The image on the opposite page is the monthly accumulation estimates as processed from observations and radar estimates by the NWS Lower Mississippi River Forecast Center in Slidell, LA.

Louisiana: 7/19/2014 1-Day Observed Precipitation
Valid at 7/19/2014 1200 UTC- Created 7/23/14 15:12 UTC



Comment of the Month - From Kiln 3.3 N (MS-HC-9) on July 17, 2014.

“63.5 degrees and a record low for this date and station!”

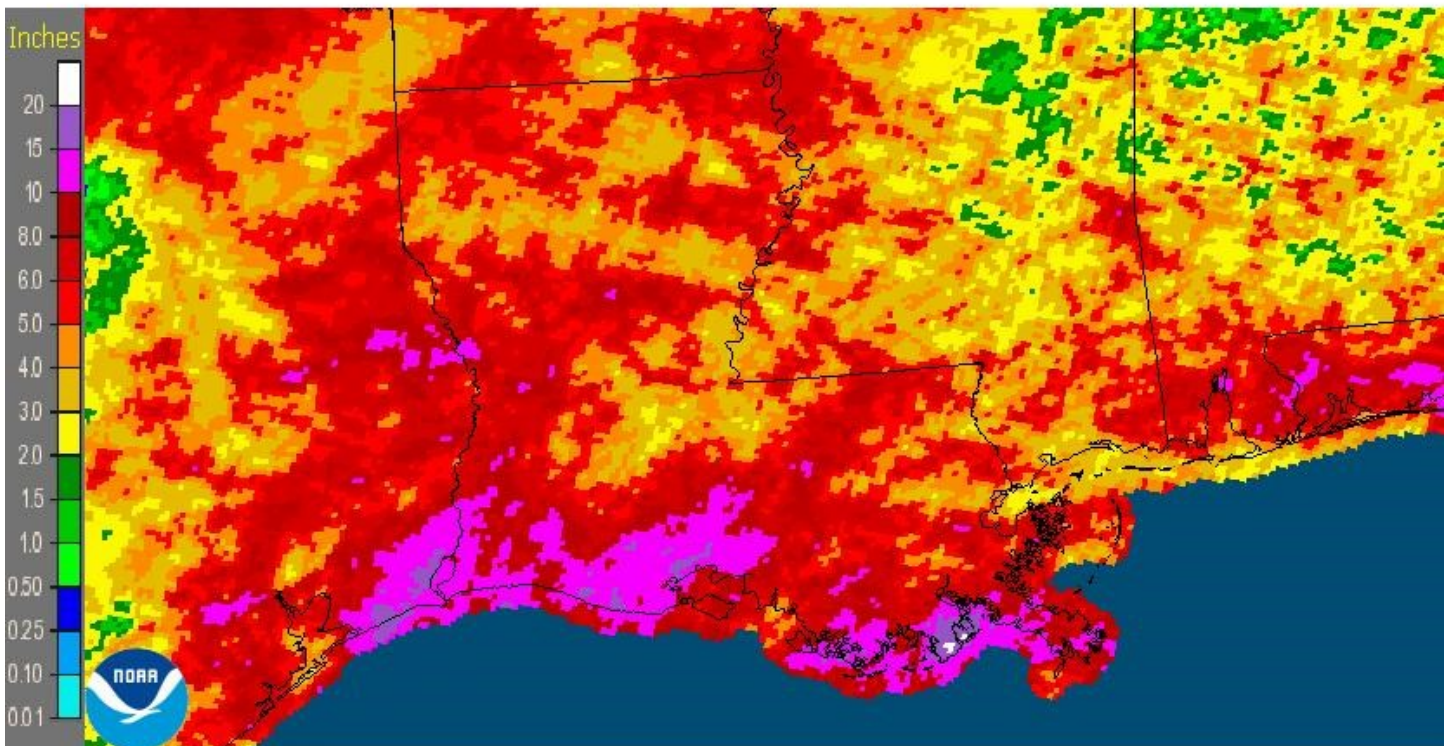
This observer took note of the unusually cool mornings after the second cold frontal passage in July moved through. Another cold front would move through the last week of the month. This was one of 410 comments submitted by observers in Mississippi.

JULY STATISTICS

Wettest/Driest/Hail/Reporting

- ◆ Wettest Month, State— 11.50" on 26 reports at Grenada 7.9 NNW (MS-GD-9)
- ◆ Wettest Month, Local — 7.18" on a perfect 31 reports at Kiln 6.6 N (MS-HR-13)
- ◆ Wettest Day, State — 4.06" on the 19th at Pontotoc 6.4 NNE (MS-PT-1)
- ◆ Wettest Day, Local—2.66" on the 12th at Ocean Springs 3.6 ESE (MS-JC-12)
- ◆ Number of Rain Days—21 with at least 0.01" average on a given day in the state.
- ◆ Driest Month, State—0.77" on 18 reports at Jackson 6.0 NE (MS-HD-18)
- ◆ Driest Month, Local—2.41" on a perfect 31 reports at Carriere 5.9 N (MS-PR-8)
- ◆ Hail Reports: 1/4" hail on the 2nd 2:20 pm at Clarksdale 2.9 SW (MS-CH-3)
1/4"-3/8" hail on the 23rd 6:20 pm at Clarksdale 2.9 SW (MS-CH-3)
- ◆ Snow Reports; none
- ◆ Stations Reporting: 160; Number of Reports: 3821; Average per day: 123.2
- ◆ Busiest Reporting Day: 15th, average: 0.38", max amount: 2.07", number of reports: 139
- ◆ Wettest Reporting Day: 19th, average 1.02", max amount 4.06", number of reports: 132
- ◆ Number of perfect 30 report observers: 50 stations statewide

Louisiana: July, 2014 Monthly Observed Precipitation
Valid at 8/1/2014 1200 UTC- Created 8/3/14 0:06 UTC



Keep the DAILY rainfall reports coming!