



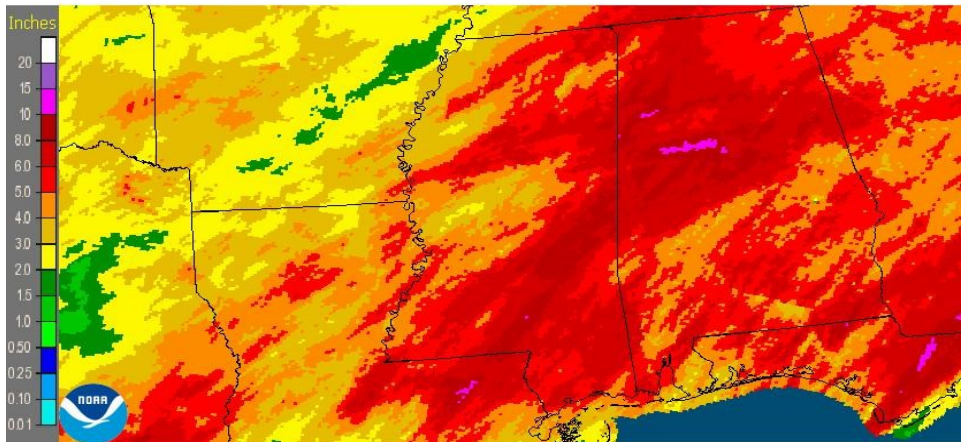
South Mississippi CoCoRaHS Newsletter

January 5, 2015

Beneficial Rains push back spread of drought in December

The United State Drought Monitor was indicating the onset of drought conditions across the mid-Gulf region that actually attained D2—Severe Drought status by the middle of the month due to drier than normal conditions. Storminess over the last week of December provided some beneficial rains that aided in improving the drought conditions, at least in the short-term. For the month, Diamondhead 1.4 NNW (MS-HC-7) recorded 8.52 inches on 13 reports to lead southern Mississippi in rainfall. The single wettest day was actually reported in Southwest Mississippi on the morning of Christmas Eve at Liberty 1.0 WNW (MS-AM-2) with 3.81 inches.

Mississippi: December, 2014 Monthly Observed Precipitation
Valid at 1/1/2015 1200 UTC- Created 1/3/15 22:04 UTC



State of the Network

As we embark on a new year, Mississippi remains well represented in the CoCoRaHS network. Since inception in July 2008, we have had 84 citizens enroll into the program in southern Mississippi. Today, there are 29 active observers across 6 of the 8 counties. This is an active participation rate of 34.5 percent of all those enrolled since 2008. While this may sound low, the participation has been steady and consistent over the past few years. About half of the active participants report on a daily basis. The table is a county breakdown of all members since 2008 and number of current active members. As always, thank you for your time and dedication to this voluntary network.

County	Since 2007	Active
Amite	4	4
Hancock	14	6
Harrison	34	9
Jackson	20	5
Pearl River	10	4
Pike	2	1
Walthall	0	0
Wilkinson	0	0
Totals	84	29

Comment of the Month - From Diamondhead 0.9 NNW (MS-HC-5) on December 31, 2014.

“2014 ended with 72.08” at this location which is almost 8” above the 30 year average of 64.23”

This is a nice comment that ties daily rainfall accumulation to a much larger climate reference. One can see that this location, along with several surrounding gauges, ended the year above normal for rainfall, and aided in averting what was perceived to be onsetting drought conditions. Hopefully, steady rainfall in the upcoming months will keep drought from becoming established once again. This was one of 372 comments submitted statewide in December 2014.

DECEMBER STATISTICS

Wettest/Driest/Hail/Reporting

- ◆ Wettest Month, State— 12.84” on just 7 reports at Louin 4.0 NNE (MS-JS-2)
- ◆ Wettest Month, Local — 8.52” on just 13 reports at Diamondhead 1.4 NNW (MS-HC-7)
- ◆ Wettest Day, State — 5.41” on the 24th at DeKalb 4.3 S (MS-KM-1)
- ◆ Wettest Day, Local—3.81” on the 24th at Liberty 1.0 WNW (MS-AM-2)
- ◆ Number of Rain Days—19 with at least 0.01” average on a given day in the state.
- ◆ Driest Month, State—0.79” on 16 reports at Madison 3.7 ENE (MS-MD-20)
- ◆ Driest Month, Local—4.00” on 31 reports at Ocean Springs 3.6 ESE (MS-JC-12)
- ◆ Hail Reports: 3/8” - 1/2” on 12/23 10:47 AM at Jayess 5.6 SW (MS-PK-2)
- ◆ Snow Reports: none
- ◆ Stations Reporting: 154; Number of Reports: 3758; Average per day: 121.2
- ◆ Busiest Reporting Day: 16th, average: 0.30”, max amount: 1.40”, number of reports: 138
- ◆ Wettest Reporting Day: 24th, average 195”, max amount 5.41”, number of reports: 127
- ◆ Number of perfect 31 report observers: 60 stations statewide (16 locally)

Annual Station Summary for 2014

Station ID	2014 Total	Num Obs	Station ID	2014 Total	Num Obs	Station ID	2014 Total	Num Obs
MS-AM-1	68.26	365	MS-HR-15	81.82	355	MS-PR-4	74.27	350
MS-AM-2	70.63	357	MS-HR-19	81.54	365	MS-PR-7	52.28	150
MS-AM-3	70.09	363	MS-HR-20	64.49	325	MS-PR-8	58.15	364
MS-AM-4	68.89	348	MS-HR-22	6.78	32	MS-PR-9	58.33	280
MS-HC-2	68.98	312	MS-HR-25	56.53	97	MS-PK-2	65.17	362
MS-HC-5	71.80	365	MS-HR-27	59.19	285			
MS-HC-7	71.74	178	MS-HR-34	76.22	325			
MS-HC-8	66.05	319	MS-JC-2	64.86	365			
MS-HC-9	85.09	356	MS-JC-8	57.97	360			
MS-HC-10	56.86	203	MS-JC-12	57.93	361			
MS-HC-13	81.81	341	MS-JC-13	1.54	12			
MS-HC-16	25.10	79	MS-JC-15	45.86	43			
MS-HR-7	70.73	363	MS-JC-16	64.15	353			
MS-HR-12	66.71	365	MS-JC-22	0.48	4			
MS-HR-13	65.60	360	MS-PR-1	70.40	356			

There are 35 stations that made the roster this past year. The GOLD club includes the five highlighted stations that had a perfect reporting record in 2014. MS-HC-9 was the wettest with 85.09” on 356 reports. Congrats!

Keep the DAILY rainfall reports coming!