



South Mississippi CoCoRaHS Newsletter

October 11, 2014

"Because every drop counts"

2014 Water Year Summary

September saw a few frontal passages that provided some rainfall in the first half of the month. The second half was relatively dry statewide, with 4 days of no rainfall from the 24th through the 27th. The region also managed to get through peak of hurricane season unscathed. The end of September marked the close of the 2014 Water Year, which runs October 1 through September 30. A water year is established as a hydrologic standard to better emulate the water cycle. October is typically the onset of tree dormancy heading into winter. This corresponds to a point on the water cycle when water storage begins, as low sun angles limit evaporation, and tree dormancy minimizes evapotranspiration. The cold season rains (and in some locations, snow pack) become conserved in surface and subsurface storage. These accumulations or conservations are then available for consumption and depletion in the warmer months due to increased evaporation and plant evapotranspiration. The back page is a summary of your rainfall totals for Water Year 2014.

SEPTEMBER STATISTICS

Wettest/Driest/Hail/Reporting

- ◆ Wettest Month, State— 12.54" on a perfect 30 reports at Southaven 4.8 SE (MS-DS-2)
- ◆ Wettest Month, Local — 10.22" on a perfect 30 reports at Kiln 3.3 N (MS-HC-9)
- ◆ Wettest Day, State — 9.69" on the 12th at Southaven 4.8 SE (MS-DS-2)
- ◆ Wettest Day, Local—2.43" on the 8th at Carriere 3.2 SSW (MS-PR-1)
- ◆ Number of Rain Days—23 with at least 0.01" average on a given day in the state.
- ◆ Driest Month, State—0.17" on 29 reports at Columbus 5.3 N (MS-LW-2)
- ◆ Driest Month, Local—1.00" on a perfect 30 reports at Biloxi 4.3 WSW (MS-HR-20)
- ◆ Hail Reports: pea sized hail on the 19th at Madison 5.7 WNW (MS-MD-8)
- ◆ Snow Reports: none
- ◆ Stations Reporting: 167; Number of Reports: 4339; Average per day: 144.6
- ◆ Busiest Reporting Day: 30th, average: 0.00", max amount: 0.05", number of reports: 156
- ◆ Wettest Reporting Day: 3rd, average 0.82", max amount 5.28", number of reports: 149
- ◆ Number of perfect 30 report observers: 100 stations statewide (59.9% of observers)!

Comment of the Month - From Kiln 3.3 N (MS-HC-9) on September 23, 2014.

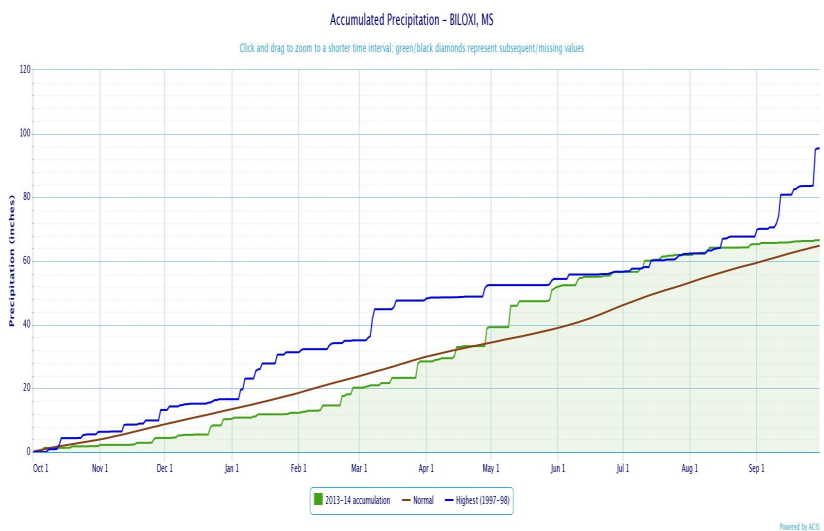
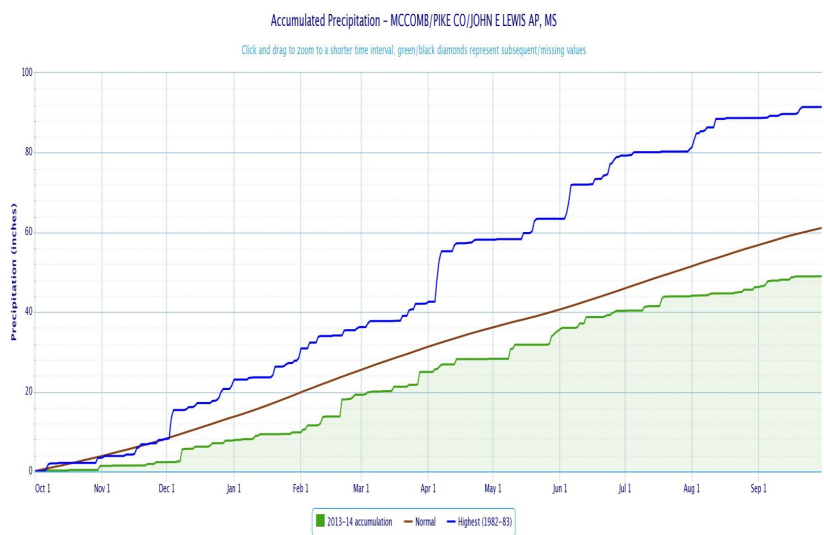
"The frontal passage Monday afternoon around 3:00 PM squeezed out .13 of an inch of rain. This morning temperature was a glorious 58 degrees"

It appeared the first full day of autumn did not disappoint as a strong cold front ushered cooler temperatures into the Deep South. This was one of 343 comments submitted by Mississippi observers in September.

Data for October 1, 2013 through September 30, 2014

This is a summary of each CoCoRaHS observer's accumulated rainfall for Water Year 2014 in Southern Mississippi. The southwestern portions of the state were drier than normal, as represented by the McComb, MS graphic which shows accumulated rainfall for the Water Year (green trace), compared to normal (brown trace). The blue trace is the wettest Water Year (1982-83). Meanwhile, the coastal counties were closer to normal with several locations actually above normal for the year. The Biloxi sample below showed a wet July and August that slowly lessened to near normal by the end of September. The wettest year (blue trace) was 1997-98. An areal average annual accumulation would be around 65 inches for the coastal areas and around 63 inches for interior southwest Mississippi.

PASS CHRISTIAN 5.0 N	87.24
KILN 3.3 N	84.47
PASS CHRISTIAN 8.9 NNW	82.57
KILN 6.6 N	80.14
DIAMONDHEAD 0.9 NNW	73.23
GULFPORT 4.3 NNW	73.05
GLOSTER 1.9 SSW	72.04
DIAMONDHEAD 0.6 WNW	70.76
OCEAN SPRINGS 3.3 E	70.26
LIBERTY 6.4 ENE	69.96
LONG BEACH 1.3 SE	68.55
DIAMONDHEAD 1.5 NE	67.38
LIBERTY 1.0 WNW	66.22
GULFPORT 2.0 NE	65.16
BILOXI 13.1 NNW	63.44
JAYESS 5.6 SW	63.16
PICAYUNE 5.6 ENE	62.96
DIAMONDHEAD 0.4 E	62.78
OCEAN SPRINGS 3.6 ESE	62.52
GAUTIER 5.1 N	61.83
LONG BEACH 0.7 S	61.09
CARRIERE 3.2 SSW	60.29
LIBERTY 1.4 W	59.61
CARRIERE 5.9 N	55.85
POPLARVILLE 5.2 N	53.85
BILOXI 4.3 WSW	52.74
PASS CHRISTIAN 3.5 NE	47.88
CARRIERE 5.6 NW	40.95
DIAMONDHEAD 1.4 NNW	38.1
SAUCIER 1.7 NNE	13.19
VANCLEAVE 4.1 NNW	4.43
SAUCIER 6.4 ESE	1.26
GAUTIER 4.9 N	0.48



Keep the DAILY rainfall reports coming!