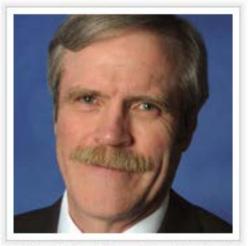


The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

Volume 4, Number 7, April 2014



Dr. John Christy, Alabama State Climatologist

We all know what droughts are — long periods with little or no rain and snow. This is exactly what is happening in California this year, where some locations are tallying their lowest rain and snowfall totals in recorded history. Some of Alabama's counties had their worst drought on record in 2007.

But there are other types of "long periods" with little or no something. The Chicago Cubs are in a World Series Championship drought (over a century and counting). In football, Vanderbilt is in a drought that began in 1944, the year after the Commodores enjoyed their last unbeaten and untied season.

One record "drought" was set this year in the last weekend in April, a record length for a tornado drought starting in the calendar year.

In 2014, the U.S. experienced its latest date for a major tornado, setting a record.

An EF-3 tornado that caused at least 15 injuries in Beaufort County, N.C., on April 25 was the first major tornado in the U.S. this year, setting a record for the latest first major tornado in a calendar year since National Weather Service record keeping began in 1950, according to scientists in UAH's Severe Weather Institutes — Radar and Lightning Laboratories.

The previous record was set in 2002, when there were no EF-3 or stronger tornadoes in the U.S. until March 31.

UAH scientists who study severe weather declined to attribute what was at that point a weaker-thanusual tornado season to a specific cause, although they did speculate that cool temperatures over much of the U.S. so far this spring might have contributed to the dearth of powerful storms.

Of course, Alabama's portion in that drought disappeared with a vengence last week, with powerful storms that hit several places around the state.

Another record drought that affects Alabama is still in place and growing each day. The U.S. has not had a major hurricane make landfall since Oct 24, 2005, when hurricane Wilma hit south Florida. This is the longest such period in the recorded history of U.S. hurricanes.

As the storms of the past week prove, you can't think of a storm drought as a trend. Think of it as a warning, because tornadoes, hurricanes and other kinds of bad weather will continue to occur, so it makes sense to be both weather aware and weather prepared.

With the heavy rain at the end of the month, Alabama was generally wetter than normal for April. Mobile and Baldwin counties were especially hard hit, with Mobile experiencing its 3rd wettest day on record (for any day of the year) on April 29 with 11.24 inches of rain falling in 24 hours. The wettest day was April 13, 1955, with 13.36 inches of rain.

According to the 25 CoCoRAHS volunteers there, Baldwin County got just over 23.5 inches of rain during April, including five stations that reported 24-hour rain totals of greater than 18 inches on April 29-30.

Dothan, Mobile and Troy all recorded their wettest Aprils on record.

Temperature wise, most of the state was within 1 degree F of normal. Of the major stations, only Montgomery (+1.6° F) and Troy (+1.2° F) were warmer by more than 1° F, but just a bit.

- John Christy

U.S. Drought Monitor Alabama



April 29, 2014

(Released Thursday, May. 1, 2014) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	97,11	2.89	0.00	0.00	0.00	0.00
Last Week	94.90	5.10	1.31	0.00	0.00	0.00
3 Months Ago	56.49	43.51	0.00	0.00	0.00	0.00
Start of Calendar Year 12/01/2013	97.35	2.65	0.00	0.00	0.00	0.00
Start of Water Year 101,0013	96.85	3.15	0.00	0.00	0.00	0.00
One Year Ago	95.96	4.04	0.00	0.00	0.00	0,00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author: Richard Heim NCDC/NOAA









Alabama Monthly Climate Summaries April 2014

		April Mean April Norm	April Hi Temp Record Hi	April Low Temp Record Low	Total Precip. Normal Prec.	Wettest April Driest April	Heaviest Day Record Day
Anniston	2/1903	62.2° 62.0°	85° 4/26/14 93° 4/17/55	34° 4/16/14 26° 4/17/1905	7.85* 4.87*	17.30" 1979 0.17" 1986	3.55" 4/6-7/14 6.15" 4/29/63
Auburn	1/1893	61.7° 64.0°	81° 4/26/14 94° 4/30/42	32° 4/16/14 27° 4/13/40	10.21° 4.92″	17.66° 1964 0.50° 1915	2.64" 4/7/14 5.15" 4/8/64
Birmingham	1/1930	63.3° 62.6°	84° 4/26/14 92° 4/21/87	32° 4/16/14 26° 4/11/73	8.89" 4.67"	13.75" 1979 0.42" 1986	4.37" 4/6-7/14 4.61" 4/12/79
Brewton	4/1977	64.3° 65.3°	85.8° 4/26/14 95° 4/30/43	36.2° 4/16/14 25° 4/7/50	10.73° 4.50°	11.13" 1975 0.50" 1981	2.77° 4/29/14 9.60° 4/14/55
Calera	9/1900	63.7° 62.4°	84° 4/28/14 90° 4/24/60	37° 4/16/14 25° 4/11/73	9.07* 5.15*	18.32" 1979 0.10" 1925	3.85° 4/6-7/14 5.33° 4/13/79
Clanton	2/1893	62.0° 62.7°	82.5° 4/3/14 94° 4/25/25	32.7° 4/16/14 26° 4/13/40	9.06° 5.43°	22.00" 1979 0.12" 1986	2.32° 4/7/14 9.00° 4/8/38
Courtland		60.7° M	82.1" 4/26/14 M	34.3" 4/16/2014 M	7.21* M	M M	2.08" 4/28/14 M
Cullman	7/1907	59.8° M	80.7° 4/26/14 M	28.3° 4/16/14 M	7.50* M	M M	1,93" 4/14/14 M
Decatur	2/1880	61.0° 61.6°	84° 4/26/14 92° 4/29/1899	32° 4/16/14 26° 4/6/1898	5.69" 4.50"	13.57" 1911 0.58" 1930	2.22° 4/6-7/14 4.38° 4/6/1892
Dothan	2/1902	65.4° 67.3°	88° 4/28/14 95° 4/30/42	36° 4/16/14 31° 4/13/40	*13.35" 4.11*	10.32" 1944 0.54" 1967	3.97° 4/29-30/14 4.25° 4/6/37
Fairhope	8/1917	64.6° 66.9°	82° 4/28/14 97° 4/10/23	37.9° 4/16/14 29° 4/13/40	11.44° 4.53°	13.53° 1980 0.11° 1999	5.34° 4/29/14 8.31° 4/15/96
Gadsden	7/1893	65.3° 61.6°	82° 4/26/14 94° 4/30/15	41° 4/24/14 24° 4/7/52	#M 5.21*	12.65" 1979 0.57" 1986	#M 4.60° 4/13/79
Gainesville Lock	6/1948	62.5° 63.3°	84.1° 4/3/14 92°+ 4/28/87	34.2° 4/16/14 29° 4/1/87	10.47° 5.37°	18.41" 1979 0.34" 1976	3.24° 4/6/14 7.55° 4/13/79
Greensboro	2/1890	62.9° 64.4°	85.5° 4/24/14 97° 4/25/16	31.7° 4/16/14 28° 4/13/40	9.84* 5.33*	12.37" 1979 0.59" 1987	2.13° 4/7/14 4.46° 4/5/56
Highland Home	3/1892	63.3° 64.8°	84° 4/28/14 96° 4/30/1906	34° 4/16/14 24° 4/4/87	10.78* 4.57*	14.00" 1964 0.35" 1915	4.31" 4/6/14 7.57" 4/27/64
Huntsville	1/1959	61.9° 61.2°	84° 4/26/14 92° 4/16/67	33° 4/16/14 26° 4/1/87	8.12" 4.86"	12.55" 1964 0.42" 1986	2.57° 4/6-7/14 3.85° 4/5/83

Alabama Monthly Climate Summaries April 2014

	Station Began	April Mean April Norm	April Hi Tem Record Hi	Low Temp ecord Lo	Total Precip. Normal Prec.	Wettest April Driest April			viest Day cord Day
Mobile 3	/1900	65.8° 67.3°	86° 4/25/ 94° 4/21/	4/16/14 4/5/87	*18.09" 5.70"	15.43° 0.08°	1980 1999	*11.24 " 6.65"	4/29/14 4/5/57
Montgomery 6	/1948	65.7° 64.8°	87° 4/24/ 91°+ 4/5/	4/16/14 4/1/87	10.15" 4.34"	15.64" 0.52"	1964 1986	3.25° 4.54°	4/6-7/14 4/8/64
Muscle Shoals 12	/1940	61.6° 61.5°	85° 4/26/ 92° 4/30/	4/16/14 4/11/89	6.60" 4.43"	12.81° 0.36°	1983 1986	2.21" 5.34"	4/28/14 4/5/83
Russellville 9	1953	59.8° 58.0°	81.6° 4/26/ 89°+ 4/11/	4/16/14 4/11/73	5.45" 4.97"	14.00° 0.57°	1991 1986	1.53° 3.85°	4/6/14 4/6/83
Scottsboro 10	1891	60.1° 58.7°	82° 4/1/ 92° 4/30/		4.97° 4.52°	9.57° 1.22°	2000 1976	1.46" 3.72"	4/6/14 4/29/63
Selma 1	/1895	63.4° 63.5°	85.3° 4/28/ 93°+ 4/22/	4/16/14 4/13/40	7.34" 4.33"	10.02° 0.22°	1973 1986	2.27° 8.74°	4/6/14 4/8/38
Talladega 2	1888	61.5° 59.8°	82.8° 4/26/ 92° 4/18/		7.58° 4.80°	18.27" 0.35"	1979 1986	2.19° 5.72°	4/7/14 4/4/74
Thomasville 9	/1891	63.2° 64.1°	85.3° 4/26/ 94° 4/22/	4/16/14 4/13/40	9.50" 4.64"	12.02° 0.49°	1979 1987	2.95° 5.47°	4/6/14 4/3/79
Troy 6	/1908	64.4° 63.4°	88° 4/28/ 94° 4/30/	4/16/14 4/13/40	*9.97" 4.25"	8.41° 0.73°	1979 1986	4.29° 4.52"	4/5-6/14 4/15/34
Tuscaloosa 6	1948	63.0° 63.9°	85° 4/3/ 94° 4/21/	4/16/14 4/1/87	10.46" 5.10"	14.41° 0.30°	1979 1987	3.35° 6.44°	4/6-7/14 4/12/79
Valley Head 1	/1893	59.0° 55.9°	80.4° 4/1/ 88°+ 4/27/	4/16/14 4/3/92	9.03° 4.73°	10.08° 1.10°	1979 1976	3.52° 4.18°	4/29/14 4/30/63
Statewide April 2 April N		62.86° 62.84°	88° 2 statio 97° 2 statio	Valley Head Valley Head	9.36° 4.78°	19.99" Tu 0.40" (' Mobile Brewton

M: Data is missing or not available *New Record #This data is missing this month due to an instrument malfunction

[^] This record differs from long-term data in the AOSC climate database: http://nsstc.uah.edu/alclimate/climate/daily_climate_and_normals.php

Community Collaborative Rain, Hail & Snow Network (CoCoRAHS) April 2014

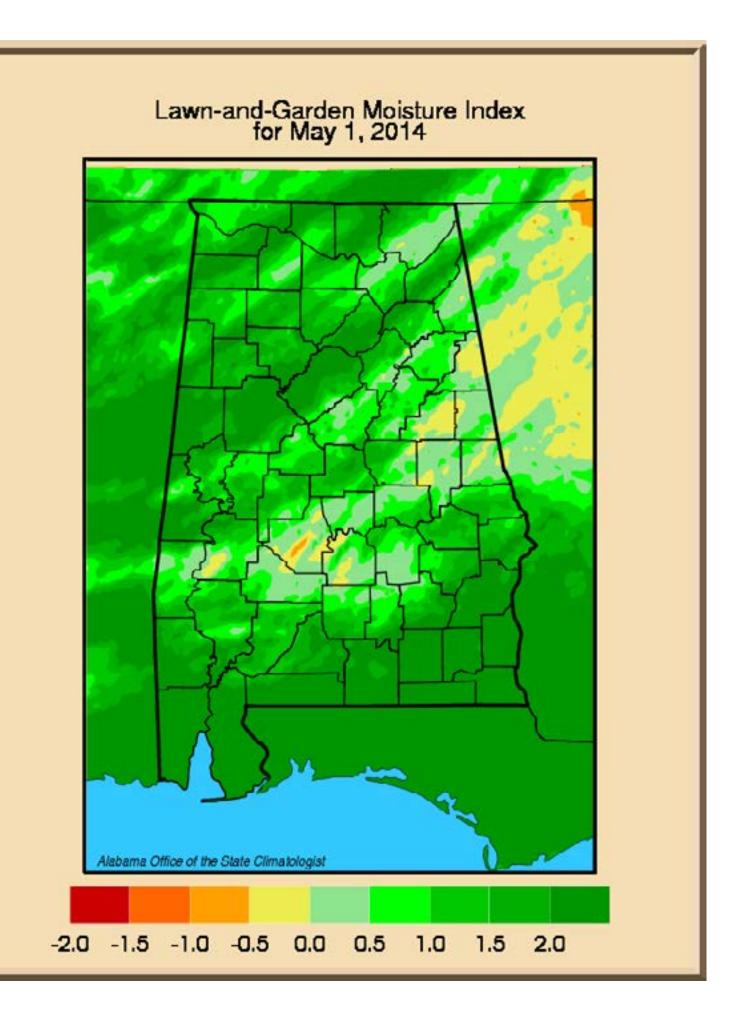
- 9	Ave. Total Precip.	# Stations	April 20	Ave. Total Precip.	# Stations
Autauga	7.32	3	Houston	13.30	1
Baldwin	23.51	25	Jackson	5.62	8
Barbour	n.a.	0	Jefferson	10.69	14
Bibb	8.78	1	Lamar	9.69	1
Blount	9.25	9	Lauderdale	5.79	-11
Bullock	n.a.	0	Lawrence	6.65	2
Butler	n.a.	0	Lee	7.93	5
Calhoun	0.80	2	Limestone	6.65	12
Chambers	4.46	1	Lowndes	n.a.	0
Cherokee	7.36	1	Macon	n.a.	0
Chilton	8.67	2	Madison	6.58	57
Choctaw	9.02	1	Marengo	n.a.	0
Clarke	7.26	3	Marion	7.54	. 1
Clay	n.a.	0	Marshall	6.77	- 11
Cleburne	n.a.	0	Mobile	17.00	17
Coffee	14.63	1	Monroe	7,55	2
Colbert	6.22	8	Montgomery	8.83	3
Conecuh	n.a.	0	Morgan	7.31	9
Coosa	9.20	2	Perry	0.00	0
Covington	n.a.	0	Pickens	12.84	1
Crenshaw	n.a.	0	Pike	n.a.	0
Cullman	7.05	5	Randolph	6.71	1
Dale	15.64	2	Russell	11.21	2
Dallas	7.28	1	St. Clair	7.47	4
DeKalb	8.99	2	Shelby	9.75	22
Elmore	8.22	7	Sumter	n.a.	0
Escambia	11.63	1	Talladega	8.97	6
Etowah	8.44	1	Tallapoosa	8.01	4
Fayette	8.26	3	Tuscaloosa	10.65	. 4
Franklin	n.a.	0	Walker	n.a.	0
Geneva	n.a.	0	Washington	7.15	1
Greene	n.a.	0	Wilcox	9.79	2
Hale	n.a.	0	Winston	8.35	2
Henry	n.a.	0		70	9

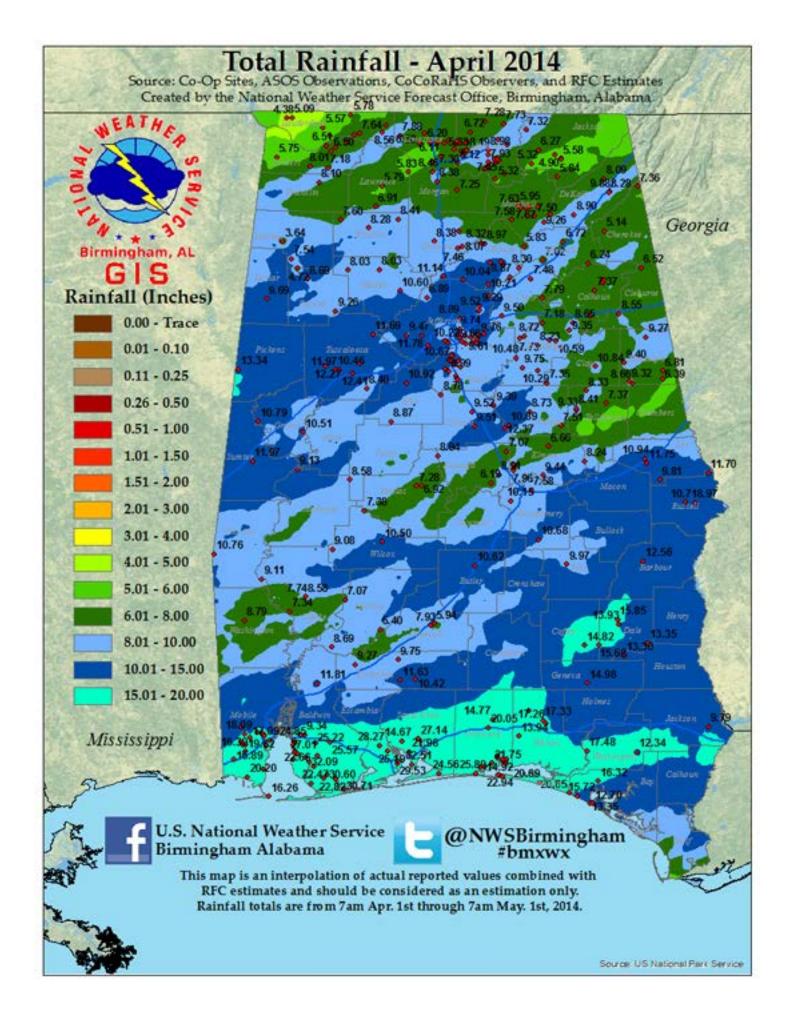
Normal April

Aprii Precipitation*								
Abbeville 4.08"								
Alberta 4.89"								
Alex City 4.56" Aliceville 5.26"								
Andalusia 4.88"								
Ashland 4.64"								
Athens 4.53"								
Bay Minette 5.31"								
Bessemer 4.80"								
Billingsley 5.00"								
Centreville WSMO . 5,02"								
Chatom 5.01"								
Claiborne L&D 4.29"								
Clayton 4.25"								
Dauphin Isl 4.31"								
Elba 4.52"								
Eufaula WR 3.56"								
Evergreen 4.51"								
Fayette 5.75"								
Geneva 2 3.92"								
Greenville 4.71"								
Haleyville 5.48"								
Hamilton 3S 5.89"								
Heflin 5.26"								
Hurtsboro 3.92"								
Jasper 5.59"								
Lafayette 5.15"								
Livingston 5.10"								
Melvin 5.38"								
Milstead 4.59"								
Moulton 5.16"								
Oneonta 5.01°								
Perryville 5.06"								
Plantersville 5.18"								
Rock Mills 4.90"								
Rockford 5.23"								
Sylacauga 4.74"								
Union Springs 4.45"								
Uniontown 4.64"								
Vernon 5.52"								
Warrior L&D 5.12"								
Wetumpka 4.68"								

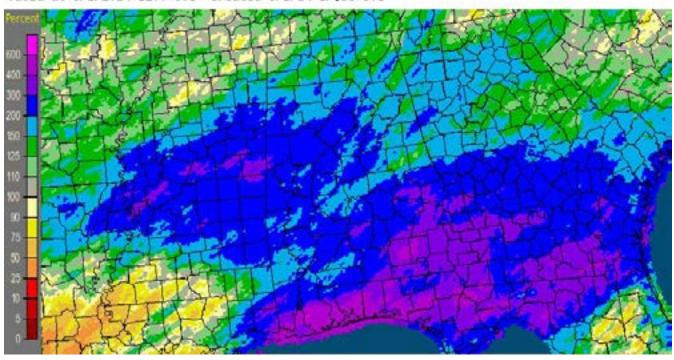
*Southeast Regional Climate Center www.serrc.com

April/May 2014 Alabama Climate Report • Office of the Alabama Climatologist • http://nsstc.uah.edu/aosc/ The University of Alabama in Huntsville





Alabama: April, 2014 Monthly Percent of Normal Precipitation Valid at 5/1/2014 1200 UTC- Created 5/1/14 17:39 UTC



New Local Climate Records¹

April 2014

Precipitation, Wettest April Day

	Period of	New	Previous	Previous
	Record	Record	Record	Wettest Day
7 April 2014				
ADDISON	76	2.90"	2.41"	1991-04-28
BESSEMER 3 WSW	37	3.66"	3.64"	1979-04-12
CAHABA PUMP HOUSE	32	5.50"	4.00*	2001-04-04
HOLT LOCK & DAM	33	3.55"	3.15"	2003-04-25
MITCHELL DAM	77	5.70"	5.69*	1975-04-03
SYLACAUGA 4 NE	59	4.54"	4.31"	1955-04-13

Precipitation, Daily

Precipitation, Daily					ONEONTA	119	4.25"	1.88"	1918
	Period of	New	Previous	Previous	SAND MT SUBSTATION	65	3.30"	2.81"	1964
	Record	Record	Record	Year	SCOTTSBORO	122	2.91"	2.85"	1918
6 April 2014					SYLACAUGA 4 NE	59	4.54"	2.48"	1973
BESSEMER 3 WSW	37	1.30"	1.09"	2005	THORSBY EXP. STATION	56	1.75"	1.15"	2003
BIRMINGHAM AIRPORT	84	2.47"	1.92"	1939	TUSCALOOSA OLIVER DM	114	3.36*	2.72"	2005
COFFEEVILLE LOCK & DAI	W 31	0.90"	0.87"	1994	UNIONTOWN	119	3.66"	2.15"	1983
GREENVILLE	113	2.67"	2.45"	1937	VALLEY HEAD	121	2.91"	2.50"	1918
MELVIN	74	2.00"	1.73"	1964	WEST BLOCTON	74	5.85"	2.00"	1973
7 April 2014					8 April 2014				
ADDISON	76	2.90"	0.97"	1938	HEADLAND	64	2.05"	1.79"	2003
ALEXANDER CITY	44	2.97"	1.60"	1973	14 April 2014				
ASHLAND	74	4.54"	1.68"	1951	BESSEMER 3 WSW	37	1.86"	1.60"	1998
BANKHEAD LOCK & DAM	57	4.25"	2.50"	2005	BIRMINGHAM AIRPORT	84	1.48"	1.43"	1998
BELLE MINA	64	2.24"	2.10"	2005	TALLAPOOSA WTR PLANT	36	1.51"	1.26"	2013
BESSEMER 3 WSW	37	3.66"	2.00"	2003	TUSCALOOSA MUNI APRT	66	2.08"	1.63"	1991
CAHABA PUMP HOUSE	32	5.50"	1.72"	2003	15 April 2014				
CARBON HILL 4 SE	76	2.61"	1.05"	1955	ALICEVILLE LOCK & DAM	34	2.64"	1.72"	1991
CENTREVILLE 6 SW	39	3.07"	1.82"	2003	ASHLAND	74	2.98"	1.44"	1968
CHILDERSBURG WTR PLT	57	3.62"	2.63"	1973	BANKHEAD LOCK & DAM	57	1.80"	1.18"	1969
CLAIBORNE LOCK & DAM	61	2.03"	1.40"	1962	BREWTON 3 SSE	88	2.65"	2.64"	1975
CLANTON	119	3.72"	2.79"	1938	CENTREVILLE 6 SW	39	1.81"	1.78"	1994
DEMOPOLIS LOCK & DAM	62	3.62"	3,25"	2003	CHILDERSBURG WTR PLT	57	1.95"	1.22"	1985
FORT PAYNE	78	2.90"	0.77"	1938	CODEN	57	6.57"	6.55"	1996
GAINESVILLE	66	4.25"	3.38"	2003	DEMOPOLIS LOCK & DAM	62	2.20"	1.87"	1975
GUNTERSVILLE	109	2.78"	1.50"	1909	FAIRHOPE 2 NE	96	8.58"	8.31"	1996
HALEYVILLE	111	2.80"	1.25"	1963	GAINESVILLE	66	2.45"	1.55"	1975
HOLT LOCK & DAM	33	3.55"	2.95"	2005	HOLT LOCK & DAM	33	1.95"	1.43"	1998
JACKSON	52	1.23"	1.02"	1963	LAY DAM	77	1.63"	1.31"	1975
JACKSONVILLE	66	3.30"	0.95"	1973	ONEONTA	119	1.48"	1.45"	1968
JONES BLUFF LOCK & DAN	M 33	3.50"	2.40"	2003	TUSCALOOSA OLIVER DM	114	2.23"	1.51"	1991
LEEDS	97	4.70"	3.50"	1938	WEST BLOCTON	74	2.28"	0.95"	1996
MELVIN	74	1.55"	1.32"	1964	18 April 2014				
MILLERS FERRY L&D	33	3.83"	2.51"	2003	ATMORE	74	1.40"	0.72"	1998
MITCHELL DAM	77	5.70"	3,34"	1938	CODEN	57	1.10"	1.04"	2012
MOBILE DT AIRPORT	65	0.74"	0.52"	1951	ENTERPRISE 2 W	48	1.71"	0.93"	1969
MOULTON 2	57	2.47"	1.82"	1964	GENEVA NUMBER 2	38	2.35"	0.10"	1982

¹ http://lwf.ncdc.noaa.gov/extremes/records/

New Local Climate Records¹

April 2014

Precipitation, Daily

	Period of	New	Previous	Previous	FAIRHOPE 2 NE	96	2.66	1.72	1998
	Record	Record	Record	Year	FORT PAYNE	78	3.09"	2.52	1963
(continued	from pre-	vious page	*)		JACKSON	52	1.41"	1.30	1996
19 April 2014					MELVIN	74	3.20"	2.90	1945
ALEXANDER CITY	44	1.48"	1.32"	1998	MITCHELL DAM	77	2.97*	2.17"	1964
BREWTON 3 SSE	88	2.05"	1.79"	1978	MOBILE DT AIRPORT	65	9.94"	2.89	1958
CLAYTON	85	4.20"	1.85"	1988	MOBILE REG. AIRPORT	66	11.24	3.67*	1996
ENTERPRISE 2 W	48	3.90"	1.40"	1978	RUSSELLVILLE No. 2	60	2.50"	2.42	1991
GENEVA NUMBER 2	38	2.75"	2.18"	1988	THORSBY EXP. STATION	56	1.42"	0.68*	1958
WALLACE 2 E	73	2.60"	2.04"	1944	WALLACE 2 E	73	3.07"	2.90"	1962
29 April 2014					WALNUT GROVE	73	3.87*	1.43*	1966
ALEXANDER CITY	44	1.85"	0.60"	1991	30 April 2014				
BANKHEAD LOCK & DAM	57	1.99"	1.61"	1984	ADDISON	76	1.44	0.89"	1996
CHATOM	64	3.80"	1.50"	1989	CODEN	57	5.11"	2.56*	1998
CODEN	57	4.07"	1.97"	1998	DAUPHIN ISLAND No. 2	38	5.74"	2.22	1991
COFFEEVILLE LOCK & DAM	31	1.75"	1.57"	1989	FAIRHOPE 2 NE	96	11.94"	4.01"	1932
DAUPHIN ISLAND No. 2	38	3.76*	2.70"	1998	GENEVA NUMBER 2	38	4.25"	2.95"	2004
ENTERPRISE 2 W	48	1.05"	0.62"	1968	ROBERTSDALE	102	12.05"	3.69"	1932

Coolest High Temperature, Daily

Minimum Low Temperature, Daily

			1000 P. T. S.				
Period of Record	New Record	Previous Record	Previous Date	Period of Record	New Record	Previous Record	Previous Year
55	51°	53°	1962		32°	330	1973
T 73	52°	54°	1962				1020
66	56°	58°	2007		35°	360	2008
							2007
64	50°	56°	2007				2008
39	53°	54°	2007				1980
64	57°	61°	2007			0.37570	1928
38	60°	63°	2008				2008
96	57°	64°	2007		-63	20	2000
56	54°	58°	2007		270	220	2008
38	63°	65°	2008				1983
104	50°	52°	2007			977.75	1983
57	50°	56°	2007				1928
90	58°	62°					1986
53	51°	53°	1962				1962
64	46°	47°					1993
122	48°	50°					1905
56	52°	53°	2007				2008
							1986
74	66°	67°	1999				2007
57		68°		CENTREVILLE 6 SW39	30	33	2007
125.00		200					
96	63°	66°	1983				
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^{*}This record differs from long-term data in the AOSC climate database: http://nsstc.uah.edu/alclimate/climate/daily_climate_and_normals.php

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