

The  
**Alabama**  
Climate Report

Brought to you by the Office of the Alabama Climatologist

**AUGUST 2021**

# Volume 13, Number 5 :: August 2021



Statewide, August's weather was slightly warmer and much wetter than normal. Relative to the 20th century average, the temperature was 0.7°F above the normal of 79.3°F, and the rainfall was 2.82 inches above the normal of 4.34 inches. August was the 6th wettest August on record statewide.

Temperature-wise, August broke the pattern of cooler than normal conditions experienced since April, at least in the mean temperature. August, however, continued the pattern we saw all summer with cooler than normal average daily high temperatures and warmer than normal average daily low temperatures. In other words, we had cooler days and warmer nights compared with the long-term average. The main driver behind these temperatures was the reoccurring arrival of tropical moisture that suppressed daytime heating and nighttime cooling. Nevertheless, Alabama had several hot spots with 54 stations reaching 95°F or hotter at least once. Andalusia-Opp Airport station recorded the hottest spot of the month at 99°F on the 19th. On the other end of the temperature spectrum, a station in Russellville recorded the coldest value of the month at 56°F on the 4th.

August continued the wetter than normal conditions experienced since March 2021. Two tropical systems contributed to the bulk of the rainfall that fell across Alabama. Tropical Storm Fred inundated southeast/east Alabama with rainfall from 16th to 17th. Two weeks later Hurricane Ida drenched the gulf coast and western Alabama. Measurable rainfall reached all parts of the state with Ida. Multiple stations set daily precipitation records from these tropical systems. In addition to all the rainfall, Ida was responsible for several tornadoes along the gulf coast and in southeastern Alabama.

September marks the end of climatological summer and the beginning of climatological fall. How did the summer of 2021 stack up against other summers in Alabama? The average temperature for the summer was a smidge cooler than normal by 0.1°F. The summer average daily high temperature was 2.1°F colder than normal which ranks as the 15th coldest summer statewide. The summer average daily low temperature, on the other hand, was 1.9°F warmer than normal which ranks as the 8th warmest statewide. This disparity is to be expected (described above) given that this summer ranked as the 2nd wettest summer on record at 9.36 inches above normal! Looking ahead into fall the Climate Prediction Center (CPC) forecasts Alabama as equal chances for above normal, near normal, and below normal for temperature and precipitation. In other words, Alabama has an equal chance of experiencing above normal, near normal, and below normal conditions for temperature and precipitation statewide. The following tables state what is normal for Alabama and the 4 major metropolitan areas relative to the 1991-2020 reference period for each fall month. So, with this guidance we should be prepared for anything to happen.

**September**

	Mean Temperature(°F)	Average Daily High Temperature(°F)	Average Daily Low Temperature(°F)	Total Precipitation(inches)
<b>Alabama</b>	74.8	86	63.6	4.07
<b>Birmingham</b>	75.6	85.9	65.3	4
<b>Huntsville</b>	74.9	86.5	63.4	3.49
<b>Mobile</b>	78.1	87.5	68.8	5.3
<b>Montgomery</b>	77.8	89.3	66.3	3.69

**October**

	Mean Temperature(°F)	Average Daily High Temperature(°F)	Average Daily Low Temperature(°F)	Total Precipitation(inches)
<b>Alabama</b>	64.5	76.7	52.2	3.5
<b>Birmingham</b>	64.9	76	53.9	3.34
<b>Huntsville</b>	63.9	76	51.8	3.56
<b>Mobile</b>	69	79.7	58.2	3.95
<b>Montgomery</b>	67.4	80.2	54.5	2.87

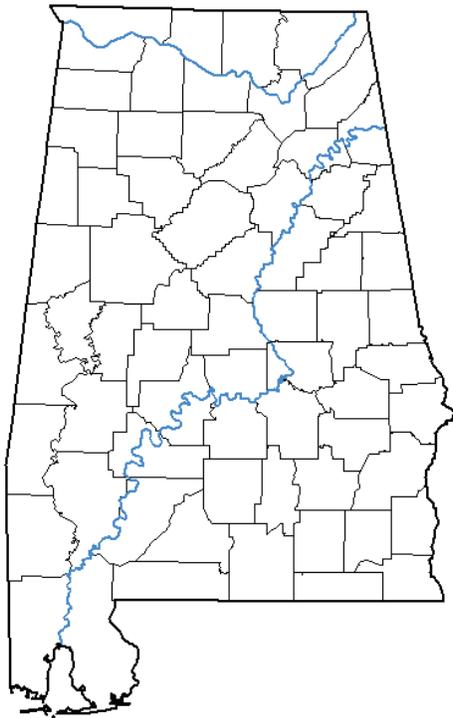
**November**

	Mean Temperature(°F)	Average Daily High Temperature(°F)	Average Daily Low Temperature(°F)	Total Precipitation(inches)
<b>Alabama</b>	53.9	66.2	41.6	4.29
<b>Birmingham</b>	54	65	43	4.23
<b>Huntsville</b>	52.5	63.9	41.2	4.25
<b>Mobile</b>	58.9	70.2	47.7	4.6
<b>Montgomery</b>	56.6	69.8	43.3	3.85

# DROUGHT MONITOR

## U.S. Drought Monitor Alabama

**August 31, 2021**  
(Released Thursday, Sep. 2, 2021)  
Valid 8 a.m. EDT



### Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

### Author:

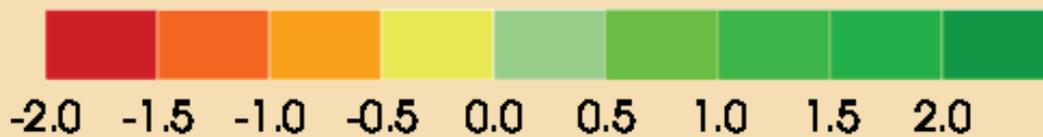
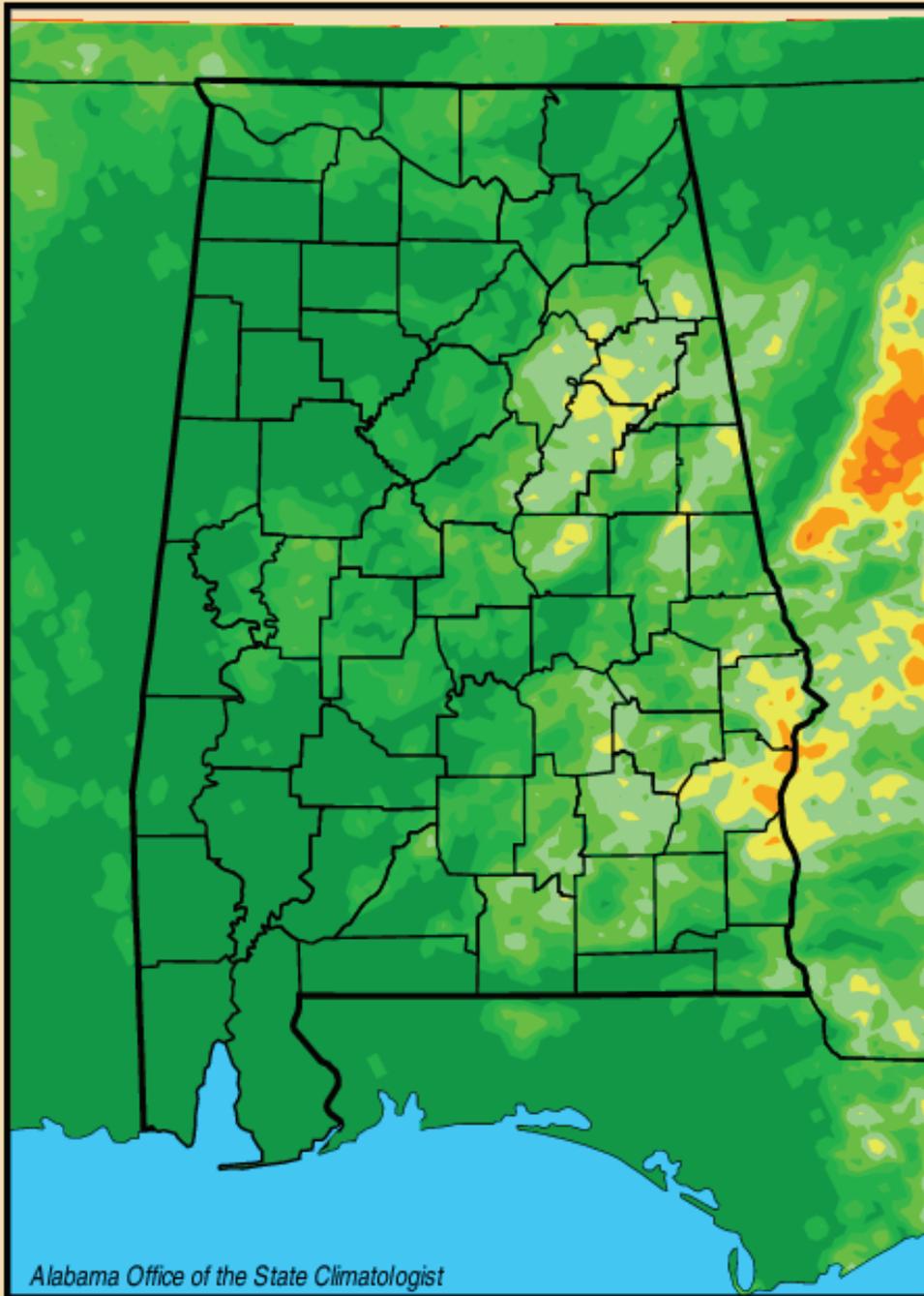
David Simeral  
Western Regional Climate Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# LAWN AND GARDEN

Lawn-and-Garden Moisture Index  
for September 7, 2021



# ALABAMA MONTHLY CLIMATE SUMMARIES

Alabama Monthly Climate Summaries  
August 2021

	Aug. Mean Aug. Norm	Aug. High Temp Record High	Aug. Low Temp Record Low	Total Precip. Normal Precip.	Wettest Aug. Driest Aug.	Heaviest Aug. Record Aug.
<b>Anniston</b>	80.7 79.5	95 8/24/21 106 8/21/83	69 8/5/21 50 8/28/52	4.03" 3.35"	7.54" 1974 .50" 1983	0.83" 8/9/21 5.57" 8/24/67
<b>Auburn</b>	79.7 79.7	92 8/23/21 106 8/20/25	68 8/4/21 54 8/29/68	9.14" 4.29"	11.03" 1944 .01" 1925	1.64" 8/31/21 3.73" 8/17/39
<b>Birmingham</b>	80.7 79.6	96 8/25/21 104 8/8/35	66 8/4/21 51 8/31/46	7.70" 3.48"	8.98" 1998 .38" 1989	2.02" 8/10/21 4.15" 8/2/41
<b>Brewton</b>	78.2 79.7	92.2 8/1/21 104+ 8/13/54	69.8 8/12/21 53+ 8/30/68	6.75" 5.64"	14.69" 1977 1.67" 1980	2.57" 8/30/21 7.20" 8/4/95
<b>Calera</b>	80.4 78.4	94 8/24/21 102 8/10/56	68 8/4/21 50 8/26/66	5.51" 4.23"	15.00" 1939 .33" 1998	1.33" 8/7/21 5.70" 8/26/08
<b>Clanton</b>	77.7 78.3	92.8 8/24/21 105 8/8/35	66.3 8/3/21 51 8/24/57	4.66" 3.73"	7.98" 1974 .45" 1990	1.30" 8/31/21 6.75" 8/26/70
<b>Courtland</b>	77.2 M	92.8 8/10/21 M	61 8/4/21 M	5.70" M	M M	1.78" 8/30/21 M
<b>Cullman (St. Bernard)</b>	75.8 M	91.3 8/25/21 M	61.3 8/4/21 M	6.96" M	M M	2.51" 8/31/21 M
<b>Decatur (Pryor Field)</b>	78.5 79.8	95 8/25/21 107 8/1/35	60 8/4/21 52 8/26/17	6.55" 3.61"	11.93" 1919 .00" 1962	2.15" 8/13/21 3.95" 8/22/60
<b>Dothan</b>	81.4 81.2	96 8/10/21 103 8/26/38	69 8/6/21 43 8/24/1902	8.64" 4.81"	20.85" 1939 1.47" 1958	3.83" 8/16/21 4.80" 8/10/31
<b>Fairhope</b>	79.7 81.1	92.7 8/10/21 102 8/30/00	69.3 8/17/21 60+ 8/30/92	12.03" 6.22"	14.23" 1984 1.25" 1997	3.66" 8/29/21 5.74" 8/2/84
<b>Gadsden</b>	74.9 78.9	89.6 8/25/21 105 8/16/54	63.4 8/8/21 52+ 8/12/67	10.70" 3.65"	9.52" 1992 .10" 1983	2.16" 8/31/21 3.32" 8/6/60
<b>Gainesville Lock</b>	78.7 80.3	93 8/9/21 103+ 8/30/00	65.8 8/4/21 55 8/30/86	9.37" 2.91"	8.11" 1992 .37" 1990	3.44" 8/30/21 4.12" 8/10/70
<b>Greensboro</b>	78.1 81.3	92.5 8/14/21 107 8/26/43	65.6 8/4/21 55 8/22/56	6.20" 3.30"	7.01" 1993 1.16" 1989	2.00" 8/30/21 4.22" 8/31/61
<b>Guntersville</b>	M 78.2	M 105 8/21/83	M 48 8/29/92	M 3.36"	10.33" 1981 .33" 1990	M 5.76" 8/30/81
<b>Highland Home</b>	77.7 79	91.7 8/1/21 103 8/9/54	66.5 8/13/21 56 8/29/92	3.58" 4.30"	8.28" 1984 .89" 1997	0.65" 8/31/21 3.65" 8/12/86
<b>Huntsville</b>	79.1 78.9	96 8/25/21 108 8/8/30	62 8/4/21 50 8/10/1954	6.41" 3.42"	9.81" 1986 .58" 1998	1.27" 8/31/21 4.29" 8/10/86
<b>Mobile</b>	81.4 81.3	96 8/24/21 105 8/29/2000	69 8/5/21 57 8/25/1891	13.17 6.20"	15.19" 1984 1.04" 1997	4.65" 8/30/21 5.65" 8/1/84
<b>Montgomery</b>	82.2 81.2	97 8/14/21 104+ 8/24/83	69 8/6/21 56 8/29/92	5.29" 3.63"	10.43" 1984 .73" 1997	1.39" 8/2/21 5.38" 8/2/84
<b>Muscle Shoals Airport</b>	81.2 79.1	97 8/11/21 105+ 8/16/54	63 8/4/21 53+ 8/29/92	9.21" 2.96"	6.78" 1979 .15" 1990	1.76" 8/30/21 3.43" 8/25/76
<b>Russellville</b>	75.9 77	93.2 8/11/21 103+ 8/30/00	56.5 8/4/21 46+ 8/29/67	9.05" 2.97"	6.83" 1997 .07" 1999	2.66" 8/30/21 3.69" 8/16/85
<b>Scottsboro</b>	75.8 77.7	91.6 8/25/21 105+ 8/16/54	62.8 8/4/21 46 8/23/82	7.85" 3.43"	7.70" 1985 .74" 1999	2.16" 8/15/21 4.39" 8/11/01
<b>Selma</b>	78.4 81	93.3 8/24/21 105+ 8/30/54	67.1 8/4/21 57+ 8/30/92	7.82" 4.01"	8.84" 1984 .71" 1990	2.31" 8/30/21 5.35" 8/15/39
<b>Talladega</b>	77.9 77.3	93.2 8/25/21 103 8/16/54	66.7 8/5/21 46 8/23/50	3.08" 3.52"	9.11" 1984 .60" 1999	1.11" 8/31/21 4.30" 8/11/82
<b>Thomasville</b>	77.4 80.9	92.9 8/1/21 105+ 8/31/54	66.4 8/4/21 53 8/22/56	8.83" 3.88"	9.01" 1996 1.02" 1989	3.47" 8/30/21 6.05" 8/14/39
<b>Troy</b>	82.8 80.2	97 8/14/21 106 8/28/54	69 8/6/21 55 8/31/46	5.90" 3.56"	8.38" 1996 .55" 1989	1.40" 8/2/21 6.75" 8/31/61
<b>Tuscaloosa</b>	81.5 81.2	97 8/25/21 107 8/10/07	65 8/4/21 53 8/22/56	6.60" 3.80"	8.84" 1970 .57" 1953	1.94" 8/30/21 2.87" 8/10/67
<b>Valley Head</b>	74.4 75.3	90 8/25/21 105 8/16/54	61.2 8/8/21 46 8/13/64	10.85" 3.49"	6.68" 1981 .58" 1983	2.78" 8/31/21 3.61" 8/4/84

# NEW ALABAMA CLIMATE RECORDS

Highest Precipitation for One Day Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
BEVILL LOCK AND DAM, AL US	8/31/21	4.62	8/28/92	4.4	41	0.22
<b>Highest Maximum Temperature Daily Record</b>						
ATMORE, AL US	8/25/21	97	8/25/11	97	81	0
DAUPHIN ISLAND NUMBER 2, AL US	8/25/21	94	8/25/14	94	45	0
<b>Highest Minimum Temperature Daily Record</b>						
ATMORE, AL US	8/9/21	77	8/9/16	77	81	0
RUSSELLVILLE NUMBER 2, AL US	8/10/21	75	8/10/10	75	67	0
MUSCLE SHOALS AIRPORT, AL US	8/10/21	77	8/10/16	77	80	0
BANKHEAD LOCK AND DAM, AL US	8/11/21	76	8/11/10	76	64	0
ANNISTON METROPOLITAN AIRPORT, AL US	8/21/21	75	8/21/05	75	118	0
MOBILE DOWNTOWN AIRPORT, AL US	8/22/21	79	8/22/55	78	72	1
ATMORE, AL US	8/23/21	76	8/23/15	76	81	0
BANKHEAD LOCK AND DAM, AL US	8/23/21	74	8/23/14	74	64	0
JACKSON, AL US	8/23/21	75	8/23/99	75	37	0
ATMORE, AL US	8/24/21	76	8/24/17	76	81	0
BREWTON 3 ENE, AL US	8/24/21	73	8/24/20	73	44	0
GUNTERSVILLE, AL US	8/24/21	73	8/24/20	73	111	0
JACKSON, AL US	8/24/21	74	8/24/92	74	37	0
MONTGOMERY AIRPORT, AL US	8/24/21	76	8/24/16	76	73	0
ATMORE, AL US	8/25/21	76	8/25/19	75	81	1
JACKSON, AL US	8/25/21	74	8/25/14	74	37	0
BIRMINGHAM AIRPORT, AL US	8/25/21	76	8/25/16	76	91	0
JACKSON, AL US	8/26/21	74	8/26/19	74	37	0
SELMA, AL US	8/26/21	76	8/26/20	76	124	0
MUSCLE SHOALS AIRPORT, AL US	8/26/21	75	8/26/20	74	80	1
ROCK MILLS, AL US	8/28/21	72	8/28/06	72	79	0
GUNTERSVILLE, AL US	8/29/21	76	8/29/12	75	111	1
ROCK MILLS, AL US	8/29/21	73	8/29/05	73	79	0
VERNON, AL US	8/29/21	74	8/29/12	74	64	0
<b>Lowest Maximum Temperature Daily Record</b>						
BELLE MINA 2 N, AL US	8/3/21	80	8/3/16	80	71	0
BESSEMER 3 WSW, AL US	8/3/21	87	8/3/12	87	44	0
VERNON, AL US	8/3/21	80	8/3/84	80	64	0
HALEYVILLE, AL US	8/6/21	81	8/6/03	81	118	0
GENEVA NUMBER 2, AL US	8/12/21	76	8/12/08	80	45	-4
CLAYTON, AL US	8/17/21	81	8/17/94	81	65	0
GENEVA NUMBER 2, AL US	8/17/21	79	8/17/13	79	45	0
HEFLIN, AL US	8/17/21	82	8/17/92	82	65	0
RUSSELLVILLE NUMBER 2, AL US	8/31/21	75	8/31/04	77	67	-2
SELMA, AL US	8/31/21	78	8/31/90	78	124	0
<b>Lowest Minimum Temperature Daily Record</b>						
HUNTSVILLE INTNL AIRPORT, AL US	8/4/21	62	8/4/69	62	62	0
DOTHAN REGIONAL AIRPORT, AL US	8/6/21	69	8/6/03	70	51	-1

# NEW ALABAMA CLIMATE RECORDS

Highest Precipitation Daily Record						
GENEVA NUMBER 2, AL US	8/1/21	2	8/1/97	1.6	45	0.4
BEVILL LOCK AND DAM, AL US	8/3/21	0.42	8/3/89	0.38	41	0.04
MARION JUNCTION 2 NE, AL US	8/3/21	1.4	8/3/61	1.37	71	0.03
BIRMINGHAM AIRPORT, AL US	8/10/21	2.02	8/10/15	1.89	91	0.13
CLANTON, AL US	8/12/21	2.44	8/12/06	2.24	126	0.2
RUSSELLVILLE NUMBER 2, AL US	8/13/21	1.75	8/13/66	1.6	67	0.15
MOULTON 2, AL US	8/14/21	1.1	8/14/98	0.92	64	0.18
RUSSELLVILLE NUMBER 2, AL US	8/14/21	2.05	8/14/97	1.22	67	0.83
BESSEMER 3 WSW, AL US	8/15/21	1.14	8/15/17	0.95	44	0.19
FAYETTE, AL US	8/15/21	2.4	8/15/98	1.9	112	0.5
GAINESVILLE LOCK, AL US	8/15/21	2.02	8/15/82	0.84	73	1.18
HUNTSVILLE INTNL AIRPORT, AL US	8/15/21	1.62	8/15/85	0.75	62	0.87
MUSCLE SHOALS AIRPORT, AL US	8/15/21	1.5	8/15/61	1.5	80	0
TUSCALOOSA AIRPORT ASOS, AL US	8/15/21	1.87	8/15/75	1.34	73	0.53
BRIDGEPORT 5 NW, AL US	8/16/21	3.1	8/16/01	2.02	124	1.08
CHILDERSBURG WATER PLANT, AL US	8/16/21	1.35	8/16/65	0.49	64	0.86
HOLT LOCK AND DAM, AL US	8/16/21	2.23	8/16/85	1.08	40	1.15
SAND MOUNT SUBSTATION, AL US	8/16/21	1.83	8/16/64	1.02	72	0.81
WALNUT GROVE, AL US	8/16/21	1.71	8/16/80	0.89	80	0.82
DOTHAN REGIONAL AIRPORT, AL US	8/16/21	3.83	8/16/94	1.07	51	2.76
ENTERPRISE 4 W, AL US	8/17/21	2.1	8/17/03	2.01	55	0.09
OPELIKA, AL US	8/17/21	1.94	8/17/66	1.19	64	0.75
FORT BENNING LAWSON FIELD, AL US	8/17/21	3.73	8/17/76	1.73	72	2
FORT PAYNE, AL US	8/18/21	1.21	8/18/15	1.12	85	0.09
ATHENS, AL US	8/19/21	1.9	8/19/16	1.34	80	0.56
BESSEMER 3 WSW, AL US	8/19/21	0.76	8/19/19	0.55	44	0.21
JACKSONVILLE, AL US	8/20/21	1.32	8/20/16	0.83	73	0.49
JACKSON, AL US	8/21/21	2.87	8/21/09	2.42	59	0.45
SELMA, AL US	8/21/21	1.96	8/21/15	1.41	126	0.55
GAINESVILLE LOCK, AL US	8/22/21	1.25	8/22/94	1.23	73	0.02
CLAYTON, AL US	8/23/21	2	8/23/62	1.9	92	0.1
BAY MINETTE, AL US	8/30/21	4.58	8/30/17	3.6	107	0.98
FAIRHOPE 2 NE, AL US	8/30/21	5.1	8/30/17	3.72	103	1.38
JACKSON, AL US	8/30/21	3.1	8/30/05	2.65	59	0.45
TALLAPOOSA WATER PLANT, AL US	8/30/21	1.9	8/30/18	1.15	43	0.75
MOBILE REGIONAL AIRPORT, AL US	8/30/21	4.65	8/30/50	3.98	73	0.67
MUSCLE SHOALS AIRPORT, AL US	8/30/21	1.76	8/30/17	0.98	80	0.78
TUSCALOOSA AIRPORT ASOS, AL US	8/30/21	1.94	8/30/73	1.67	73	0.27
BEVILL LOCK AND DAM, AL US	8/31/21	4.62	8/31/20	1.28	41	3.34
ATHENS, AL US	8/31/21	1.9	8/31/50	1.74	80	0.16
BANKHEAD LOCK AND DAM, AL US	8/31/21	2.4	8/31/07	0.95	64	1.45
BELLE MINA 2 N, AL US	8/31/21	1.84	8/31/61	1.56	71	0.28
BOAZ, AL US	8/31/21	1.65	8/31/17	1.47	83	0.18
BREWTON 3 ENE, AL US	8/31/21	2.5	8/31/07	2.45	44	0.05
CAHABA PUMP HOUSE, AL US	8/31/21	2	8/31/14	1.28	39	0.72
DEMOPOLIS LOCK AND DAM, AL US	8/31/21	2.55	8/31/07	2.1	69	0.45
FAYETTE, AL US	8/31/21	4.24	8/31/50	2.41	112	1.83
GADSDEN, AL US	8/31/21	1.92	8/31/01	1.41	68	0.51

# CoCoRAHS

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)										
August 2021										
	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations			Normal August Precipitation*	
Autauga	4.08	1		Houston	10.57	2			Abbeville	4.63
Baldwin	10.84	32		Jackson	6.72	6			Alberta	4.22
Barbour	7.35	1		Jefferson	6.80	19			Alex City	4.50
Bibb	n.a.	0		Lamar	11.79	1			Aliceville	3.57
Blount	6.75	5		Lauderdale	8.21	11			Andalusia	5.65
Bullock	n.a.	0		Lawrence	8.00	4			Ashland	4.47
Butler	2.60	1		Lee	6.57	5			Athens	3.39
Calhoun	6.79	2		Limestone	7.79	7			Bay Minette	6.44
Chambers	n.a.	0		Lowndes	n.a.	0			Bessemer	3.72
Cherokee	n.a.	0		Macon	n.a.	0			Billingsly	4.16
Chilton	6.41	1		Madison	6.97	27			Centreville WSM	5.02
Choctaw	8.93	1		Marengo	n.a.	0			Chatom	4.69
Clarke	9.40	4		Marion	7.61	1			Claiborne L&D	4.09
Clay	n.a.	0		Marshall	8.07	9			Clayton	4.10
Cleburne	n.a.	0		Mobile	11.93	23			Dauphin Isl.	7.19
Coffee	n.a.	0		Monroe	10.12	3			Elba	4.49
Colbert	9.30	6		Montgomery	7.82	4			Eufaula WR	3.57
Conecuh	5.12	1		Morgan	7.89	6			Evergreen	5.07
Coosa	6.34	2		Perry	n.a.	0			Fayette	3.84
Covington	7.61	1		Pickens	n.a.	0			Geneva 2	5.03
Crenshaw	n.a.	0		Pike	n.a.	0			Greenville	4.76
Cullman	6.97	3		Randolph	7.44	1			Haleyville	4.35
Dale	6.84	1		Russell	6.38	1			Hamilton 3S	4.01
Dallas	6.19	1		St. Clair	4.79	5			Heflin	3.55
DeKalb	10.80	7		Shelby	6.08	16			Hurtsboro	3.37
Elmore	6.38	5		Sumter	n.a.	0			Jasper	3.33
Escambia	10.52	1		Talladega	4.61	4			Lafayette	4.20
Etowah	4.06	3		Tallapoosa	4.76	1			Livingston	4.51
Fayette	8.63	1		Tuscaloosa	7.66	5			Melvin	6.86
Franklin	n.a.	0		Walker	8.63	2			Milstead	4.12
Geneva	n.a.	0		Washington	12.57	1			Moulton	3.66
Greene	n.a.	0		Wilcox	9.89	2			Oneonta	3.31
Hale	n.a.	0		Winston	5.37	3			Perryville	3.56
Henry	n.a.	0							Plantersville	4.45
									Rock Mills	3.85
									Rockford	4.90
									Sylacauga	3.79
									Union Springs	4.48
									Uniontown	4.59
									Vernon	2.78
									Warrior L&D	4.02
									Wetumpka	4.30

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