



The
Alabama
Climate Report

Brought to you by the Office of the Alabama Climatologist

OCTOBER 2022



THE UNIVERSITY OF
ALABAMA IN HUNTSVILLE

Volume 14, Number 6 :: OCTOBER 2022



Cold and dry was the theme for October across much of Alabama. The state was cooler by 2.7°F and drier by 0.3 inches of rainfall than normal.

Cooler than normal conditions persisted throughout most of October thanks to an upper-level trough funneling cold air over much of the eastern United States. In fact, this trough is responsible for many first freezes across Alabama. Montgomery recorded its earliest first freeze in its 150 year recorded history on Oct 20th, which is about a month before normal first freeze. Birmingham recorded its second earliest freeze on record on Oct 19th; missing the all-time record by one day. The coldest daily extreme of the month was recorded in stations at Gadsden, Hanceville, Russellville, and Desoto State park at 25°F on the 20th. In contrast, the hottest daily extreme of the month, once again, was recorded in the Andalusia-Opp Airport station at 92°F on the 7th.

October is normally our driest month for the state of Alabama. A drier than average October translates to a very dry month, but this year wasn't one for the records. Of the 221 stations with rain gauges and no missing days of recorded observations, 24 stations reported less than 2 inches of rainfall. One station in Brewton recorded less than 1 inch of rainfall, which was also the driest location for this October. Drier than average conditions contributed to the continued degradation of drought across much of the state, with almost 75% of the state at some level of drought by the end of October. While most of the state was drier than normal, a few stations had some significant rainfall, significant for October that is. A station in Grove Hill had the most rainfall of the month at 7.26 inches, most of which occurred on October 13th.

As mentioned in previous Alabama Climate Reports, severe weather season never really ends in Alabama and that there is a secondary peak in late fall, i.e. November. While the secondary peak in November, this October demonstrated that tornadoes can occur at any month in Alabama. On October 29th-30th, 11 tornadoes were reported in Mobile and Baldwin counties. Fortunately, there were no fatalities and only 3 minor injuries were reported.

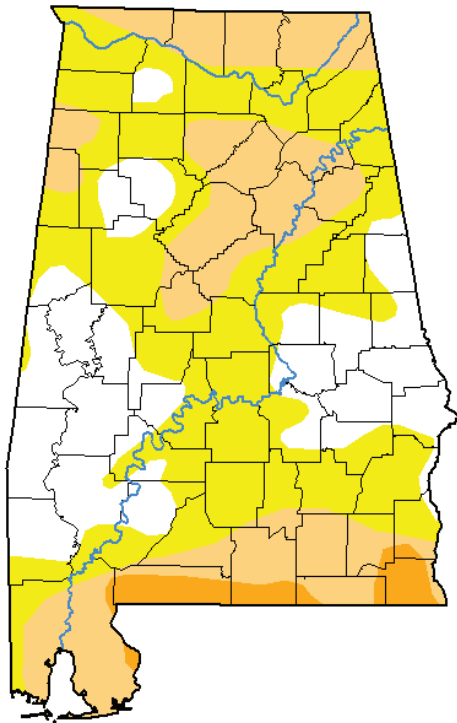
Let's be weather aware and prepared.

Monthly summaries are provided by Drs. Rob Junod and John Christy.







DROUGHT MONITOR

U.S. Drought Monitor Alabama

November 1, 2022
(Released Thursday, Nov. 3, 2022)
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:

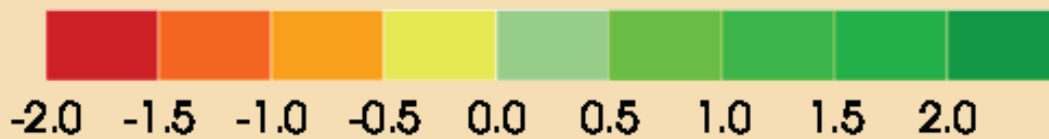
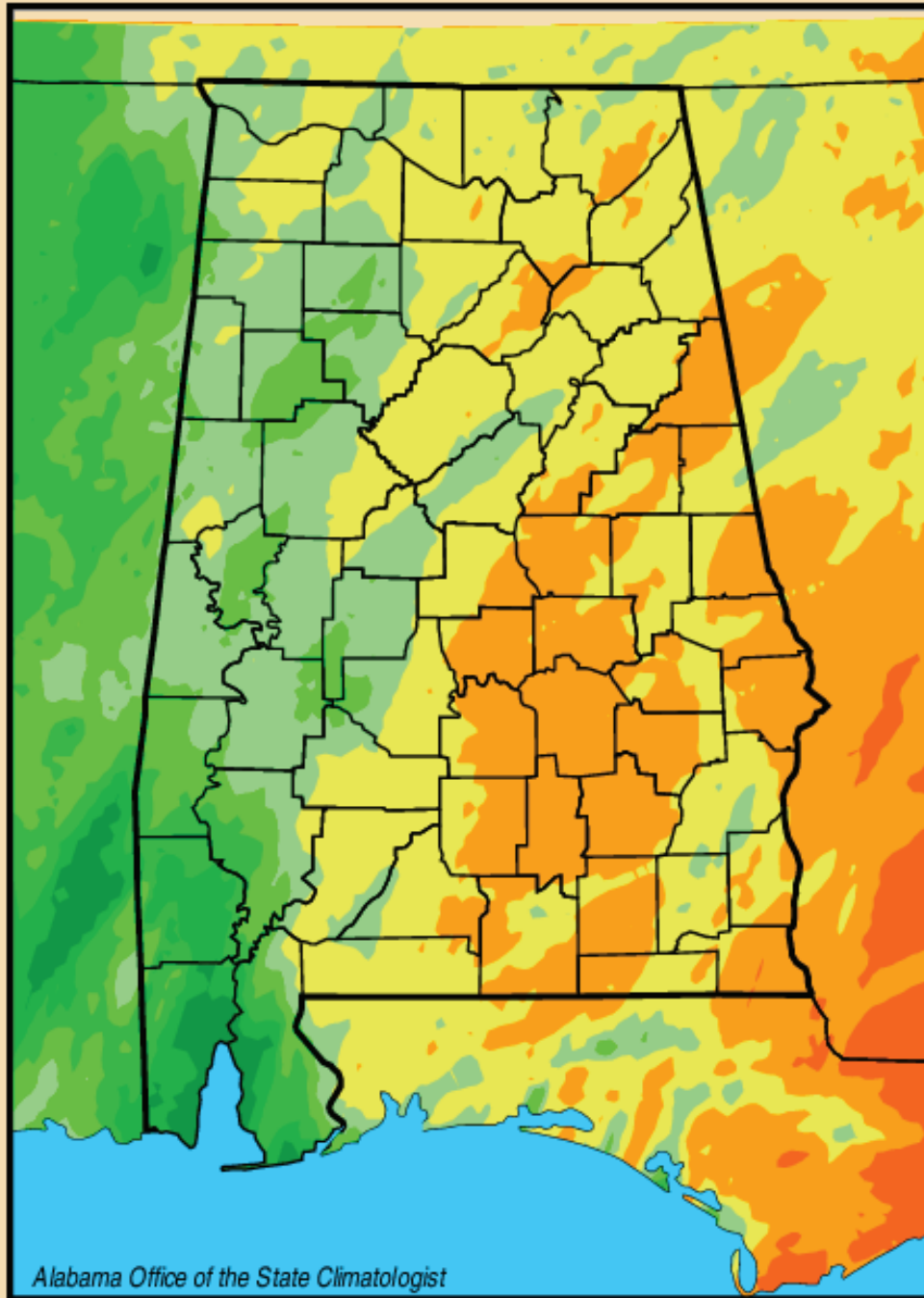
Brian Fuchs
National Drought Mitigation Center



droughtmonitor.unl.edu

LAWN AND GARDEN

Lawn-and-Garden Moisture Index
for November 7, 2022



ALABAMA MONTHLY CLIMATE SUMMARIES

Alabama Monthly Climate Summaries

October 2022

	Oct. Mean Oct. Norm	Oct. High Temp Record High	Oct. Low Temp Record Low	Total Precip. Normal Precip.	Wettest Oct. Driest Oct.	Heaviest Day Record Day
Anniston	60.1 62.9	85 10/7/22 99 10/05/54	28 10/19/22 22 10/30/52	2.01" 2.87"	9.35" 1995 .15" 1978	1.14" 10/12/22 3.96" 10/8/77
Auburn	62.2 62.5	84 10/7/22 94+ 10/6/54	34 10/20/22 27+ 10/28/57	3.31" 3.4"	10.24" 1970 0.00" 1963	1.90" 10/12/22 5.72" 10/1/65
Birmingham	61.2 62.9	84 10/7/22 94 10/06/54	32 10/20/22 27 10/28/57	2.56" 3.23"	11.90" 1995 .07" 1991	2.03" 10/12/22 6.94" 10/3/95
Brewton	62.3 64.5	87.3 10/12/22 97+ 10/5/54	30.7 10/20/22 21 10/30/52	.93" 3.09"	14.95" 1995 .05" 1998	.35" 10/13/22 7.5" 10/5/95
Calera	62.3 62.2	85 10/7/22 95 10/01/81	33 10/20/22 22 10/26/82	2.54" 4.16"	10.74" 1918 0.00" 1924	1.47" 10/12/22 4.70" 10/05/95
Clanton	59.9 62	85.2 10/7/22 98 10/6/54	30.3 10/20/22 24+ 10/29/57	3.61" 3.14"	10.32" 1995 .00" 1978	2.69" 10/12/22 6.30" 10/5/95
Courtland	58.1 M	81.4 10/6/22 M	30.6 10/19/22 M	2.47" M	M M	1.28" 10/12/22 M
Cullman (St. Bernard)	57.5 M	81.4 10/6/22 M	26.1 10/20/22 M	2.57" M	M M	.81" 10/12/22 M
Decatur (Pryor Field)	58.3 62.8	82 10/15/22 100 10/05/1911	28 10/20/22 26 10/31/17	2.57" M	8.83" 1932 0.00" 1924	1.67" 10/12/22 6.40" 10/18/28
Dothan	66 68	91 10/7/22 95 10/01/33	33 10/20/22 29 10/29/08	1.95" 3.25"	12.41" 1932 0.00" 1939	.76" 10/25/22 7.37" 10/31/32
Fairhope	65.1 67.9	86.2 10/7/22 93+ 10/5/54	33.3 10/20/22 33+ 10/21/89	4.58" 3.57"	13.08" 1985 .00" 1978	1.54" 10/29/22 7.37" 10/5/95
Gadsden	56.5 61.8	80.3 10/16/22 96 10/5/54	26.8 10/20/22 23 10/30/54	.24" 2.95"	9.00" 1995 .24" 1978	.17" 10/30/22 4.98" 10/26/97
Gainesville Lock	60.7 63.5	83.9 10/7/22 94 10/1/81	31.9 10/19/22 30+ 10/29/2001	2.30" 3.15"	8.83" 1985 .03" 1987	.72" 10/29/22 3.86" 10/25/77
Greensboro	61.5 65.3	84.5 10/7/22 100+ 10/6/54	30.5 10/19/22 24 10/26/65	3.22" 3.37"	10.00" 1995 .20" 1987	1.50" 10/12/22 4.42" 10/21/59
Guntersville	M 61.1	M 95 10/5/54	M 26 10/28/57	M 3.06"	7.65" 1977 .03" 1991	M 4.00" 10/10/34
Highland Home	63.7 64.9	83.8 10/7/22 94 10/6/54	34.1 10/19/22 29 10/16/87	1.89" 2.67"	12.13" 1995 .00" 1973	1.25" 10/12/22 6.10" 10/1/65
Huntsville	60 61.3	84 10/7/22 96 10/08/1911	31 10/20/22 23 10/30/63	2.37" 3.54"	12.06" 1975 .01" 2000	1.47" 10/12/22 4.86" 10/7/75
Mobile	67.7 67.7	90 10/7/22 95 10/02/1904	36 10/20/22 30 10/31/93	3.21" 3.25"	13.20" 1985 .00" 1978	2.48" 10/29/22 4.99" 10/29/85
Montgomery	62.8 65.4	88 10/7/22 100 10/06/54	29 10/20/22 26 10/30/52	1.70" 2.58"	7.60" 1995 .01" 1978	1.41" 10/12/22 4.02" 10/4/64
Muscle Shoals Airport	60.2 61.5	85 10/7/22 94+ 10/12/63	30 10/20/22 25 10/27/61	2.02" 3.22"	8.25" 1984 .00" 2000	1.04" 10/12/22 3.24" 10/24/86
Russellville	57.5 59.6	82.7 10/6/22 93 10/6/54	25.3 10/20/22 19 10/28/61	2.44" 3.43"	8.68" 1984 .16" 2000	1.38" 10/22/22 3.33" 10/29/70
Scottsboro	55.8 60	81.1 10/7/22 96 10/5/54	25.7 10/20/22 20 10/26/68	2.19" 3.61"	8.06" 1984 .36" 1991	1.06" 10/12/22 4.70" 10/26/97
Selma	60.1 65.8	86.4 10/7/22 100+ 10/6/54	27.8 10/20/22 27 10/30/52	4.58" 2.59"	9.24" 1995 .06" 2000	2.80" 10/12/22 6.09" 10/5/95
Talladega	59.1 60.3	84.8 10/7/22 99 10/5/54	27.8 10/20/22 23+ 10/25/65	1.85" 3.36"	11.01" 1995 .02" 1978	.86" 10/13/22 5.51" 10/5/95
Thomasville	60.4 65.7	84.1 10/7/22 100 10/7/54	29.5 10/29/22 29+ 10/31/93	3.60" 2.9"	10.41" 1997 .03" 1987	1.29" 10/29/22 5.80" 10/31/67
Troy	64.4 64.9	90 10/7/22 103 10/5/54	31 10/20/22 28 10/24/37	1.21" 2.84"	12.19" 1995 .06" 1987	.93" 10/12/22 6.50 10/4/95
Tuscaloosa	62.2 65	87 10/7/22 98 10/04/54	31 10/20/22 23 10/30/52	2.86" 3.47"	9.11" 1995 .12" 1987	1.60" 10/29/22 5.73" 10/25/77
Valley Head	55.3 57.9	79.5 10/16/22 93+ 10/5/54	26 10/19/22 19 10/27/61	2.46" 3.29"	9.91" 1995 .10" 1991	1.13" 10/25/22 6.02" 10/5/95

NEW ALABAMA CLIMATE RECORDS

Lowest Minimum Temperature Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
GENEVA NUMBER 2, AL US	10/20/22	28	10/30/08	29	46	-1
Highest Minimum Temperature Daily Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
MARION JUNCTION 2 NE, AL US	10/4/22	73	10/4/19	71	72	2
MOBILE REGIONAL AIRPORT, AL US	10/12/22	73	10/12/69	73	74	0
MOBILE DOWNTOWN AIRPORT, AL US	10/29/22	69	10/29/19	68	73	1
Lowest Maximum Temperature Daily Record						
BESSEMER 3 WSW, AL US	10/18/22	55	10/18/09	57	45	-2
GADSDEN, AL US	10/18/22	55	10/18/55	56	69	-1
HUNTSVILLE INTNL AIRPORT, AL US	10/18/22	55	10/18/89	55	63	0
ANNISTON METROPOLITAN AIRPORT, AL US	10/18/22	54	10/18/55	54	119	0
BIRMINGHAM AIRPORT, AL US	10/18/22	54	10/18/55	55	92	-1
MONTGOMERY AIRPORT, AL US	10/18/22	58	10/18/09	60	74	-2
TUSCALOOSA AIRPORT ASOS, AL US	10/18/22	56	10/18/66	58	74	-2
BANKHEAD LOCK AND DAM, AL US	10/19/22	53	10/19/66	58	65	-5
BREWTON 3 ENE, AL US	10/19/22	59	10/19/09	60	45	-1
CLAYTON, AL US	10/19/22	59	10/19/76	63	66	-4
DEMOPOLIS LOCK AND DAM, AL US	10/19/22	54	10/19/89	57	70	-3
ENTERPRISE 4 W, AL US	10/19/22	61	10/19/92	67	56	-6
GAINESVILLE LOCK, AL US	10/19/22	53	10/19/89	55	64	-2
GENEVA NUMBER 2, AL US	10/19/22	60	10/19/09	60	46	0
HAMILTON, AL US	10/19/22	51	10/19/89	51	60	0
HEFLIN, AL US	10/19/22	54	10/19/09	54	66	0
MARION JUNCTION 2 NE, AL US	10/19/22	55	10/19/09	58	72	-3
OPELIKA, AL US	10/19/22	53	10/19/09	55	65	-2
SCOTTSBORO, AL US	10/19/22	54	10/19/89	55	130	-1
SELMA, AL US	10/19/22	57	10/19/48	58	125	-1
SYLACAUGA 4 NE, AL US	10/19/22	55	10/19/09	57	67	-2
THORSBY EXPERIMENTAL STATION, AL US	10/19/22	54	10/19/89	58	64	-4
TROY, AL US	10/19/22	57	10/19/09	57	114	0

NEW ALABAMA CLIMATE RECORDS

Lowest Minimum Temperature Daily Record						
BELLE MINA 2 N, AL US	10/18/22	33	10/18/09	33	72	0
MOULTON 2, AL US	10/18/22	0	10/18/15	0	65	0
HUNTSVILLE INTNL AIRPORT, AL US	10/18/22	34	10/18/01	34	63	0
BANKHEAD LOCK AND DAM, AL US	10/19/22	0	10/19/67	34	65	-2
BESSEMER 3 WSW, AL US	10/19/22	0	10/19/09	34	45	-2
DAUPHIN ISLAND NUMBER 2, AL US	10/19/22	44	10/19/09	46	46	-2
ENTERPRISE 4 W, AL US	10/19/22	37	10/19/67	40	56	-3
GAINESVILLE LOCK, AL US	10/19/22	33	10/19/15	37	64	-4
GENEVA NUMBER 2, AL US	10/19/22	31	10/19/09	35	46	-4
GUNTERSVILLE, AL US	10/19/22	36	10/19/09	37	112	-1
JACKSON, AL US	10/19/22	0	10/19/01	35	38	-3
MARION JUNCTION 2 NE, AL US	10/19/22	31	10/19/09	35	72	-4
MOULTON 2, AL US	10/19/22	28	10/19/15	30	65	-2
OPELIKA, AL US	10/19/22	30	10/19/09	0	65	-2
SYLACAUGA 4 NE, AL US	10/19/22	29	10/19/92	30	67	-1
THORSBY EXPERIMENTAL STATION, AL US	10/19/22	31	10/19/09	33	64	-2
TROY, AL US	10/19/22	37	10/19/81	37	114	0
VERNON, AL US	10/19/22	27	10/19/67	30	64	-3
HUNTSVILLE INTNL AIRPORT, AL US	10/19/22	31	10/19/09	34	63	-3
MOBILE DOWNTOWN AIRPORT, AL US	10/19/22	40	10/19/09	41	73	-1
DOTHAN REGIONAL AIRPORT, AL US	10/19/22	35	10/19/09	37	52	-2
ANNISTON METROPOLITAN AIRPORT, AL US	10/19/22	28	10/19/48	30	119	-2
MOBILE REGIONAL AIRPORT, AL US	10/19/22	37	10/19/89	38	74	-1
MONTGOMERY AIRPORT, AL US	10/19/22	0	10/19/48	34	74	-2
BELLE MINA 2 N, AL US	10/20/22	27	10/20/09	30	72	-3
CLANTON, AL US	10/20/22	31	10/20/64	31	128	0
GAINESVILLE LOCK, AL US	10/20/22	0	10/20/89	33	64	-1
GENEVA NUMBER 2, AL US	10/20/22	28	10/20/89	31	46	-3
HEFLIN, AL US	10/20/22	27	10/20/74	28	66	-1
MARION JUNCTION 2 NE, AL US	10/20/22	30	10/20/81	30	72	0
MOULTON 2, AL US	10/20/22	27	10/20/64	30	65	-3
ONEONTA, AL US	10/20/22	27	10/20/48	28	127	-1
OPELIKA, AL US	10/20/22	29	10/20/81	30	65	-1
SELMA, AL US	10/20/22	34	10/20/89	35	125	-1
SYLACAUGA 4 NE, AL US	10/20/22	27	10/20/92	28	67	-1

NEW ALABAMA CLIMATE RECORDS

HUNTSVILLE INTNL AIRPORT, AL US	10/20/22	31	10/20/64	31	63	0
MOBILE DOWNTOWN AIRPORT, AL US	10/20/22	37	10/20/64	37	73	0
DOTHAN REGIONAL AIRPORT, AL US	10/20/22	33	10/20/89	34	52	-1
ANNISTON METROPOLITAN AIRPORT, AL US	10/20/22	28	10/20/48	29	119	-1
BIRMINGHAM AIRPORT, AL US	10/20/22	0	10/20/64	0	92	0
MONTGOMERY AIRPORT, AL US	10/20/22	29	10/20/89	0	74	-3
MUSCLE SHOALS AIRPORT, AL US	10/20/22	30	10/20/64	31	81	-1
TUSCALOOSA AIRPORT ASOS, AL US	10/20/22	31	10/20/89	0	74	-1
BELLE MINA 2 N, AL US	10/21/22	28	10/21/52	29	72	-1
ENTERPRISE 4 W, AL US	10/21/22	35	10/21/11	37	56	-2
GAINESVILLE LOCK, AL US	10/21/22	0	10/21/13	0	64	0
GENEVA NUMBER 2, AL US	10/21/22	29	10/21/11	31	46	-2
JACKSON, AL US	10/21/22	31	10/21/89	0	38	-1
OPELIKA, AL US	10/21/22	30	10/21/89	30	65	0
SYLACAUGA 4 NE, AL US	10/21/22	27	10/21/89	27	67	0
ATMORE, AL US	10/25/22	34	10/25/05	38	82	-4
Highest Precipitation Daily Record						
BILLINGSLEY, AL US	10/12/22	1.54	10/12/14	1.3	83	0.24
HUNTSVILLE INTNL AIRPORT, AL US	10/12/22	1.44	10/12/86	1.18	63	0.26
MOBILE DOWNTOWN AIRPORT, AL US	10/12/22	0.8	10/12/09	0.37	73	0.43
ADDISON, AL US	10/13/22	1.5	10/13/94	0.66	84	0.84
BOAZ, AL US	10/13/22	1.07	10/13/82	1	84	0.07
CALERA, AL US	10/13/22	1.8	10/13/02	1.44	121	0.36
CHILDERSBURG WATER PLANT, AL US	10/13/22	2.64	10/13/83	1.2	65	1.44
DEMOPOLIS LOCK AND DAM, AL US	10/13/22	1.7	10/13/70	1.16	70	0.54
ENTERPRISE 4 W, AL US	10/13/22	1.71	10/13/82	0.75	56	0.96
GENEVA NUMBER 2, AL US	10/13/22	1.85	10/13/82	1.77	46	0.08
GREENSBORO, AL US	10/13/22	2.17	10/13/01	1.93	130	0.24
HEFLIN, AL US	10/13/22	1.25	10/13/86	0.66	66	0.59
JASPER, AL US	10/13/22	2.16	10/13/83	1.28	61	0.88
MARION JUNCTION 2 NE, AL US	10/13/22	2.88	10/13/83	1.05	72	1.83
OPELIKA, AL US	10/13/22	2.58	10/13/82	2.09	65	0.49
RUSSELLVILLE NUMBER 2, AL US	10/13/22	1.64	10/13/14	1.5	68	0.14
SELMA, AL US	10/13/22	2.7	10/13/86	1.36	127	1.34
WARRIOR LOCK AND DAM, AL US	10/13/22	1.32	10/13/09	1.07	64	0.25
WETUMPKA, AL US	10/13/22	1.96	10/13/86	1.55	128	0.41
MOBILE DOWNTOWN AIRPORT, AL US	10/29/22	3.31	10/29/02	0.89	73	2.42
GADSDEN, AL US	10/30/22	0.6	10/30/85	0.47	69	0.13

CoCoRAHS

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)									
October 2022									
	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations		Normal Precipitation*	
Autauga	2.89	2		Houston	2.08	2		Abbeville	3.11
Baldwin	3.68	33		Jackson	2.25	6		Alberta	3.41
Barbour	3.40	1		Jefferson	2.36	19		Alex City	3.08
Bibb	n.a.	0		Lamar	1.76	1		Aliceville	3.17
Blount	1.89	5		Lauderdale	2.25	8		Andalusia	3.71
Bullock	n.a.	0		Lawrence	2.55	4		Ashland	3.95
Butler	2.98	1		Lee	2.29	5		Athens	3.81
Calhoun	2.32	2		Limestone	2.10	10		Bay Minette	3.76
Chambers	n.a.	0		Lowndes	n.a.	0		Bessemer	3.74
Cherokee	n.a.	0		Macon	n.a.	0		Billingsly	2.77
Chilton	3.62	1		Madison	2.21	21		Centreville WSM	3.83
Choctaw	3.64	1		Marengo	n.a.	0		Chatom	3.61
Clarke	4.94	3		Marion	2.10	1		Claiborne L&D	2.82
Clay	3.75	1		Marshall	2.61	10		Clayton	2.50
Cleburne	n.a.	0		Mobile	3.51	25		Dauphin Isl.	3.85
Coffee	n.a.	0		Monroe	1.59	3		Elba	3.53
Colbert	2.32	6		Montgomery	2.47	4		Eufaula WR	2.96
Conecuh	n.a.	0		Morgan	2.45	6		Evergreen	3.55
Coosa	n.a.	0		Perry	n.a.	0		Fayette	3.63
Covington	2.33	1		Pickens	n.a.	0		Geneva 2	3.52
Crenshaw	n.a.	0		Pike	n.a.	0		Greenville	3.64
Cullman	2.75	3		Randolph	2.90	1		Haleyville	4.15
Dale	n.a.	0		Russell	2.76	2		Hamilton 3S	3.83
Dallas	3.78	1		St. Clair	2.98	6		Heflin	3.45
DeKalb	2.70	7		Shelby	3.44	15		Hurtsboro	3.40
Elmore	2.94	5		Sumter	n.a.	0		Jasper	4.00
Escambia	1.06	2		Talladega	2.66	2		Lafayette	3.28
Etowah	2.41	1		Tallapoosa	3.22	1		Livingston	3.73
Fayette	n.a.	0		Tuscaloosa	2.77	5		Melvin	2.90
Franklin	n.a.	0		Walker	4.31	2		Milstead	3.07
Geneva	n.a.	0		Washington	3.66	1		Moulton	3.92
Greene	n.a.	0		Wilcox	3.27	2		Oneonta	3.50
Hale	n.a.	0		Winston	3.36	3		Perryville	3.06
Henry	n.a.	0						Plantersville	3.30
								Rock Mills	2.86
								Rockford	2.89
								Sylacauga	3.47
								Union Springs	3.06
								Uniontown	3.32
								Vernon	3.76
								Warrior L&D	3.56
								Wetumpka	2.90



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