



The
Alabama
Climate Report

Brought to you by the Office of the Alabama Climatologist

November 2020



Volume 11, Number 8 :: November 2020



Dr. John Christy, Alabama State Climatologist

A little drier and much warmer. That was November for most Alabamians.

November was the first month this year with drier than normal conditions that exceeded the one-inch mark (1.15 inches drier than normal). Six stations (Anniston Metropolitan airport, Foley 2.0 SSW, Wadley NR 2, Florence 6.1 N, Jasper, & Fayette 5.6 N) recorded less than an inch of rainfall. Anniston recorded their driest November in 118 years with only 0.03 inches of rainfall!

Typically for Alabama, if a month in the fall is drier than normal, it is also cooler than normal, mainly due to the lack of the warm tropical moisture (and associated rainfall). However, this was not the case for Alabama this November. It was 4.9°F warmer than normal. In fact, it was the 10th warmest November in 126

years. November 1985 was the warmest with an average temperature of 7.7°F above normal. Five stations (Geneva No 2, Dothan Regional airport, Bon Secour-USDA, Andalusia-Opp airport, and Highland Home #2) recorded the hottest spot of month at 87°F. In contrast, Scottsboro recorded the coldest spot of month at 26°F during a cold snap at the start of the month on November 4th.

Speaking of cold weather, parts of Alabama saw their first snowfall on November 30th with trace amounts reaching as far south as Birmingham. One would expect this early snowfall to be a record, considering snow is not common in Alabama. However, Alabama has had earlier measurable snowfalls. The earliest snowfall in Huntsville occurred on November 2nd 1966, in Birmingham occurred on November 24th 1938, in Montgomery occurred on December 5th 1886, and in Mobile occurred on December 8th 2017.

With only one month to go in 2020, how will Alabama's temperature and rainfall stack up against the other 125 years? To date, the average temperature is the 7th warmest and the rainfall is the 4th wettest. Possible outcomes for the 2020 averages depend on how warm/cold and wet/dry December is for Alabama. The table below outline the possible outcomes for 2020:

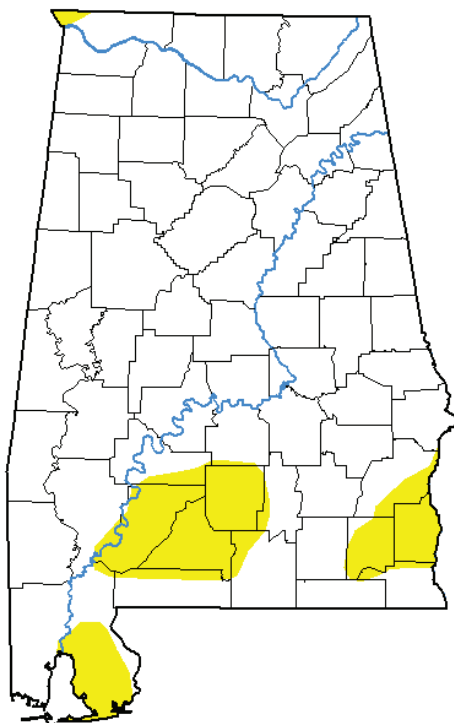
SCENARIO	DECEMBER TEMPERATURE/RAINFALL	OUTCOME RANK TEMPERATURE/RAINFALL
TOP 20 WARMEST/WETTEST	50.1°F / 7.22 inches	6th warmest / 4th wettest
TOP 40 WARMEST/WETTEST	48.6°F / 6.08 inches	7th warmest / 4th wettest
DECEMBER NORMAL	46.4°F / 5.15 inches	11th warmest / 5th wettest
TOP 40 COLDEST/DRIEST	45.1°F / 4.02 inches	13th warmest / 6th wettest
TOP 20 COLDEST/DRIEST	42.8°F / 3.29 inches	13th warmest / 6th wettest

From the table, it is very likely that Alabama will have a top 6 wettest year on record for 2020. Temperature-wise, there is more variability in the ranking but at least a top 13 warmest year on record is likely.

Drought Monitor

U.S. Drought Monitor Alabama

December 1, 2020
(Released Thursday, Dec. 3, 2020)
Valid 7 a.m. EST



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:

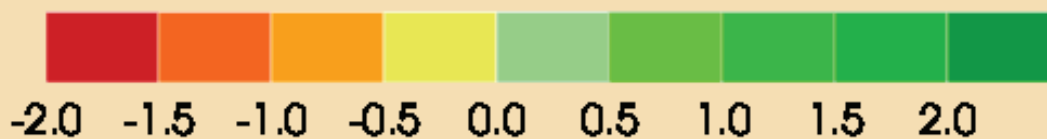
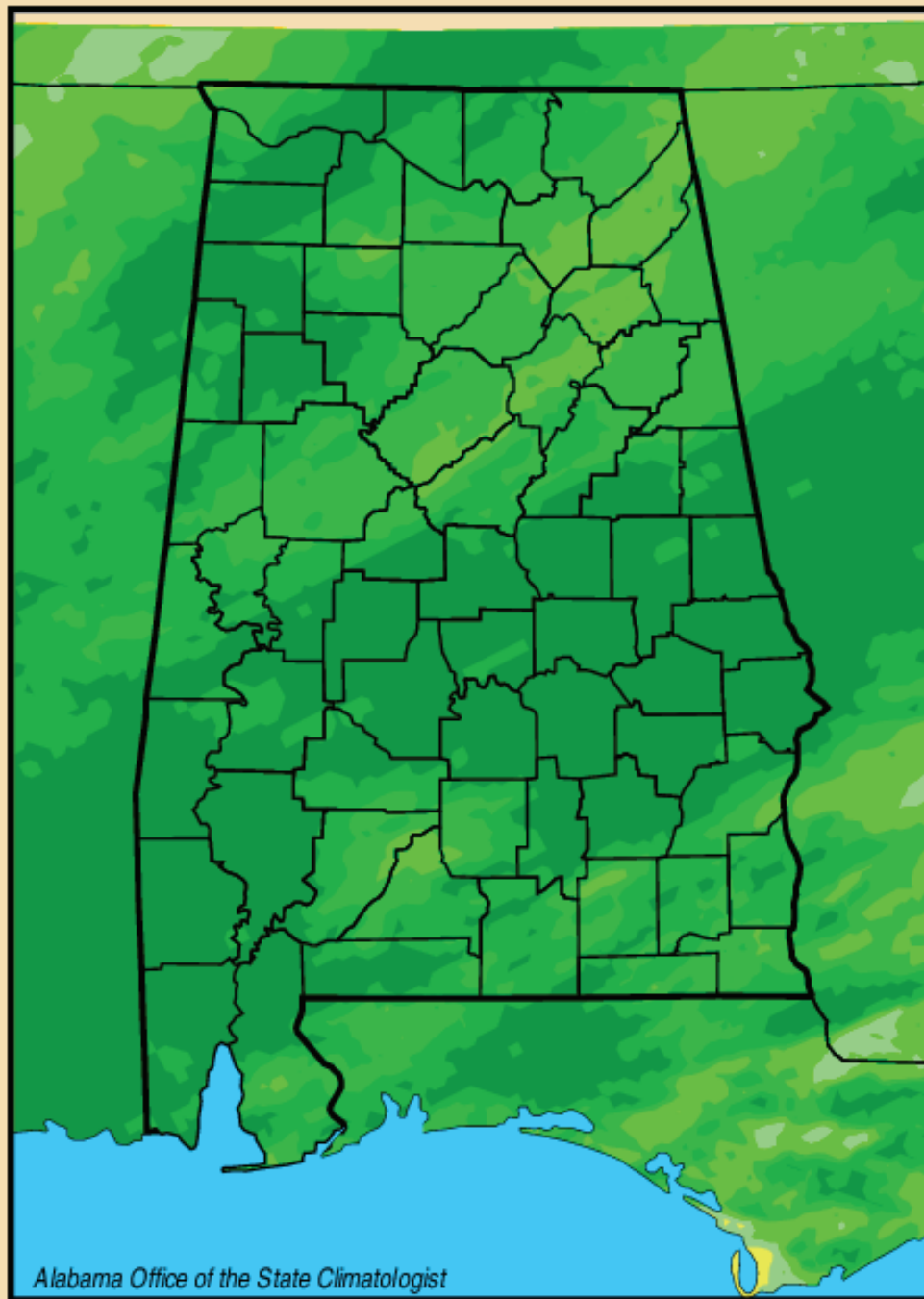
Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu

Lawn & Garden Index

Lawn-and-Garden Moisture Index
for December 5, 2020



Alabama Monthly Climate Summaries

Alabama Monthly Climate Summaries
November 2020

	Nov. Mean Nov. Norm	Nov. High Temp Record High	Nov. Low Temp Record Low	Total Precip. Normal Precip.	Wettest Nov. Driest Nov.	Heaviest Day Record Day
Anniston	57.9 53.4	81 11/11/20 88 11/2/74	30 11/17/20 5 11/25/50	M 4.20"	10.32" 1992 1.03" 1980	M 3.21" 11/28/48
Auburn	60.2 53.4	79 11/9/20 90 11/1/35	33 11/30/20 9 11/25/50	5.06" 3.47"	17.77" 1948 .23" 1924	1.87" 11/29/20 7.05" 11/27/48
Birmingham	58.2 53.1	79 11/11/20 85+ 11/1/00	29 11/30/20 5 11/25/50	2.28" 4.63"	9.66" 1986 1.67" 1981	0.76" 11/29/20 4.41" 11/27/83
Brewton	60.3 56	80 11/9/20 89+ 11/1/61	31.5 11/30/20 15 11/28/38	4.32" 5.16"	13.01" 1989 1.20" 1993	1.96" 11/27/20 4.52" 11/8/89
Calera	57.7 53	78 11/11/20 86 11/2/74	29 11/30/20 12 11/30/59	2.63" 3.69"	16.94" 1948 0.00" 1924	0.95" 11/29/20 4.70" 11/12/29
Clanton	56.6 53	77.3 11/9/20 88 11/1/35	28.5 11/30/20 8 11/25/50	3.38" 4.96"	17.37" 1986 .80" 1981	1.56" 11/29/20 5.50" 11/12/29
Courtland	53 M	78.2 11/8/20 M	29.1 11/30/20 M	2.55" M	M M	1.01" 11/29/20 M
Cullman (St. Bernard)	52.8 M	76.6 11/9/20 M	28.5 11/30/20 M	1.65" M	M M	0.86" 11/29/20 M
Decatur (Pryor Field)	53.2 51	79 11/8/20 86 11/3/35	28 11/18/20 3 11/25/50	2.00" 3.69"	14.26" 1957 0.00" 1910	0.65" 11/29/20 3.97" 11/10/91
Dothan	64.9 58	87 11/11/20 88 11/5/46	34 11/30/20 17 11/25/50	1.68" 3.01"	10.29" 1930 .05" 1931	0.61" 11/28/20 4.50" 11/7/12
Fairhope	63.4 59.5	82.5 11/9/20 91 11/2/71	35 11/30/20 21 11/25/50	1.24" 5.19"	12.03" 1997 .81 1981	0.52" 11/29/20 4.88" 11/2/95
Gadsden	53 51.8	74.9 11/9/20 87 11/1/00	29.5 11/18/20 14+ 11/25/70	M 4.56"	8.97" 1982 1.30" 1981	M 4.31" 11/28/73
Gainesville Lock	56 53.6	77.1 11/11/20 87 11/1/61	28 11/30/20 17+ 11/30/76	1.89" 4.51"	10.24" 1986 .93" 1998	1.14" 11/29/20 3.58" 11/28/01
Greensboro	57.3 55.7	78.5 11/11/20 98 11/7/40	27.6 11/30/20 12 11/25/50	2.78" 4.47"	14.70" 1986 .75" 1981	1.33" 11/29/20 4.55" 11/12/29
Guntersville	M 51.3	M 85 11/12/89	M 7 11/30/79	M 4.45"	8.74" 1983 1.31" 1971	M 3.62" 11/19/48
Highland Home	60.1 56	80.1 11/11/20 88+ 11/1/84	28.4 11/30/20 10 11/25/50	3.72" 4.71"	11.87" 1997 .73" 1999	1.28" 11/29/20 3.2" 11/28/48
Huntsville	54.7 51.2	79 11/8/20 84+ 11/1/00	30 11/30/20 15+ 11/30/76	1.95" 5.22"	11.53" 1977 1.82" 1971	0.73" 11/29/20 3.33" 11/27/73
Mobile	63 58.9	83 11/9/20 87+ 11/2/71	32 11/30/20 22 11/25/50	1.90" 5.41"	12.70" 1992 .85" 1981	0.86" 11/26/20 7.01" 11/6/75
Montgomery	61.1 56.1	86 11/11/20 87+ 11/8/86	31 11/30/20 13 11/25/50	4.88" 4.53"	10.18" 1986 .51 1981	31 11/30/20 8.16" 11/26/48
Muscle Shoals Airport	56.2 51.5	82 11/8/20 85 11/1/00	30 11/30/20 2 11/25/50	1.89" 5.09"	11.06" 1986 1.90" 1971	1.09" 11/29/20 3.65" 11/30/91
Russellville	52.3 50.1	79.1 11/8/20 85+ 11/2/00	26.1 11/30/20 10+ 11/25/70	2.33" 5.08"	9.76" 1986 .84" 1971	1.19" 11/29/20 3.80" 11/2/99
Scottsboro	51.9 50.2	79.8 11/9/20 85+ 11/2/00	28.5 11/19/20 1 11/25/50	2.78" 4.98"	11.43" 1977 1.52" 1971	1.34" 11/11/20 4.90" 11/17/27
Selma	56 56.2	79.2 11/11/20 91 11/3/30	28.5 11/30/20 13 11/25/50	4.78" 4.32"	10.44" 1986 .53" 1981	2.44" 11/29/20 3.62" 11/27/48
Talladega	55.3 51.4	79.4 11/9/20 86+ 11/2/74	30 11/17/20 5 11/25/50	2.10" 4.59"	10.69" 1992 .66" 1981	1.13" 11/29/20 3.31" 11/2/92
Thomasville	57.9 56.3	78.6 11/9/20 90 11/4/35	28 11/30/20 14 11/25/50	3.68" 5.31"	11.26" 1986 .86" 1981	1.83" 11/29/20 3.8" 11/6/59
Troy	62.5 56.2	84 11/11/20 89 11/4/35	32 11/30/20 12 11/25/50	3.81" 4.44"	10.53" 1992 1.33" 1990	1.33" 11/27/20 6.12" 11/8/43
Tuscaloosa	58 55.3	80 11/8/20 87+ 11/3/00	29 11/30/20 10 11/25/50	1.49" 4.84"	10.04" 2000 .87" 1985	0.89" 11/29/20 3.67" 11/11/95
Valley Head	52.1 48.5	76.3 11/9/20 84+ 11/3/74	29 11/18/20 -2 11/25/50	2.44" 5.00"	9.76" 1983 1.19" 1971	1.01" 11/11/20 4.06" 11/5/77

New Alabama Climate Records

Highest Minimum Temperature Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
BESSEMER 3 WSW, AL US	11/10/20	69	11/6/15	69	43	0
BELLE MINA 2 N, AL US	11/11/20	67	11/6/15	67	70	0
SCOTTSBORO, AL US	11/11/20	68	11/6/03	68	128	0
ANNISTON METROPOLITAN AIRPORT, AL US	11/11/20	71	11/5/03	70	117	1
Highest Maximum Temperature Daily Record						
BANKHEAD LOCK AND DAM, AL US	11/7/20	80	11/7/96	80	63	0
FORT BENNING LAWSON FIELD, AL US	11/7/20	79	11/7/19	78	71	0
MOBILE DOWNTOWN AIRPORT, AL US	11/8/20	83	11/8/05	82	71	1
FAIRHOPE 2 NE, AL US	11/9/20	84	11/9/20	84	102	0
FORT BENNING LAWSON FIELD, AL US	11/9/20	81	11/9/50	80	71	1
MOBILE DOWNTOWN AIRPORT, AL US	11/9/20	84	11/9/18	82	71	2
MOBILE REGIONAL AIRPORT, AL US	11/9/20	83	11/9/86	83	72	0
MUSCLE SHOALS AIRPORT, AL US	11/9/20	81	11/9/05	81	79	0
FORT BENNING LAWSON FIELD, AL US	11/10/20	81	11/10/66	80	71	1
BANKHEAD LOCK AND DAM, AL US	11/11/20	80	11/11/02	80	63	0
MOBILE DOWNTOWN AIRPORT, AL US	11/11/20	85	11/11/99	81	71	4
MONTGOMERY AIRPORT, AL US	11/11/20	86	11/11/75	83	72	3
BRIDGEPORT 5 NW, AL US	11/12/20	80	11/12/89	79	64	1
ENTERPRISE 2 W, AL US	11/12/20	86	11/12/66	82	54	4
GENEVA NUMBER 2, AL US	11/12/20	83	11/12/86	82	44	1
FORT BENNING LAWSON FIELD, AL US	11/13/20	81	11/13/55	80	71	1
MOBILE DOWNTOWN AIRPORT, AL US	11/13/20	80	11/13/05	79	71	1
JACKSON, AL US	11/15/20	81	11/15/05	81	36	0
MOBILE DOWNTOWN AIRPORT, AL US	11/15/20	86	11/15/58	81	71	5
GENEVA NUMBER 2, AL US	11/17/20	87	11/17/87	83	44	4
Highest Minimum Temperature Daily Record						
FORT BENNING LAWSON FIELD, AL US	11/7/20	56	11/7/61	54	71	2
SAND MOUNT SUBSTATION, AL US	11/8/20	62	11/8/00	62	70	0
BESSEMER 3 WSW, AL US	11/9/20	64	11/9/86	60	43	4
GADSDEN, AL US	11/9/20	63	11/9/05	58	67	5
GUNTERSVILLE, AL US	11/9/20	66	11/9/00	64	110	2
ROCK MILLS, AL US	11/9/20	63	11/9/75	60	78	3
FORT BENNING LAWSON FIELD, AL US	11/9/20	66	11/9/18	65	71	1
MOBILE DOWNTOWN AIRPORT, AL US	11/9/20	69	11/9/09	64	71	5
BIRMINGHAM AIRPORT, AL US	11/9/20	68	11/9/66	63	90	5
MONTGOMERY AIRPORT, AL US	11/9/20	68	11/9/75	67	72	1
BANKHEAD LOCK AND DAM, AL US	11/10/20	66	11/10/75	65	63	1
BESSEMER 3 WSW, AL US	11/10/20	69	11/10/02	65	43	4
CLAYTON, AL US	11/10/20	66	11/10/75	66	64	0
ENTERPRISE 2 W, AL US	11/10/20	69	11/10/94	65	54	4
GENEVA NUMBER 2, AL US	11/10/20	69	11/10/09	62	44	7
GUNTERSVILLE, AL US	11/10/20	67	11/10/65	56	110	11
HALEYVILLE, AL US	11/10/20	61	11/10/66	60	117	1
MARION JUNCTION 2 NE, AL US	11/10/20	65	11/10/75	64	70	1
ONEONTA, AL US	11/10/20	65	11/10/75	62	125	3
OPELIKA, AL US	11/10/20	66	11/10/75	65	63	1
ROCK MILLS, AL US	11/10/20	65	11/10/75	62	78	3
SAND MOUNT SUBSTATION, AL US	11/10/20	64	11/10/75	63	70	1
SCOTTSBORO, AL US	11/10/20	61	11/10/15	60	128	1
SELMA, AL US	11/10/20	68	11/10/75	66	123	2
THORSBY EXPERIMENTAL STATION, AL US	11/10/20	64	11/10/75	64	62	0
HUNTSVILLE INTNL AIRPORT, AL US	11/10/20	65	11/10/02	62	61	3
FORT BENNING LAWSON FIELD, AL US	11/10/20	68	11/10/09	64	71	5
MOBILE DOWNTOWN AIRPORT, AL US	11/10/20	72	11/10/02	69	71	3
BIRMINGHAM AIRPORT, AL US	11/10/20	69	11/10/02	66	90	3
MOBILE REGIONAL AIRPORT, AL US	11/10/20	70	11/10/02	70	72	0
MONTGOMERY AIRPORT, AL US	11/10/20	70	11/10/02	68	72	2
MUSCLE SHOALS AIRPORT, AL US	11/10/20	63	11/10/46	63	79	0
TUSCALOOSA AIRPORT ASOS, AL US	11/10/20	68	11/10/02	65	72	3
BELLE MINA 2 N, AL US	11/11/20	67	11/11/85	52	70	15

New Alabama Climate Records (cont.)

BESSEMER 3 WSW, AL US	11/11/20	65	11/11/02	57	43	8
CLAYTON, AL US	11/11/20	68	11/11/86	65	64	3
GADSDEN, AL US	11/11/20	65	11/11/02	54	67	11
GENEVA NUMBER 2, AL US	11/11/20	69	11/11/02	67	44	2
GREENSBORO, AL US	11/11/20	69	11/11/45	65	128	4
GUNTERSVILLE, AL US	11/11/20	67	11/11/09	56	110	11
HALEYVILLE, AL US	11/11/20	59	11/11/37	56	117	3
HAMILTON 3 S, AL US	11/11/20	60	11/11/02	53	58	7
JACKSON, AL US	11/11/20	69	11/11/86	62	36	7
MARION JUNCTION 2 NE, AL US	11/11/20	69	11/11/02	60	70	9
MOULTON 2, AL US	11/11/20	66	11/11/03	55	63	11
ONEONTA, AL US	11/11/20	63	11/11/45	63	125	0
OPELIKA, AL US	11/11/20	69	11/11/75	64	63	5
SAND MOUNT SUBSTATION, AL US	11/11/20	65	11/11/09	54	70	11
SCOTTSBORO, AL US	11/11/20	68	11/11/15	61	128	7
SELMA, AL US	11/11/20	70	11/11/29	66	123	4
SYLACAUGA 4 NE, AL US	11/11/20	69	11/11/09	57	65	12
THORSBY EXPERIMENTAL STATION, AL US	11/11/20	70	11/11/02	62	62	8
VERNON, AL US	11/11/20	66	11/11/12	54	63	12
HUNTSVILLE INTNL AIRPORT, AL US	11/11/20	58	11/11/03	54	61	4
MOBILE DOWNTOWN AIRPORT, AL US	11/11/20	73	11/11/02	65	71	8
ANNISTON METROPOLITAN AIRPORT, AL US	11/11/20	71	11/11/45	61	117	10
BIRMINGHAM AIRPORT, AL US	11/11/20	64	11/11/45	64	90	0
MOBILE REGIONAL AIRPORT, AL US	11/11/20	71	11/11/75	67	72	4
MONTGOMERY AIRPORT, AL US	11/11/20	69	11/11/75	67	72	2
MUSCLE SHOALS AIRPORT, AL US	11/11/20	58	11/11/92	55	79	3
TUSCALOOSA AIRPORT ASOS, AL US	11/11/20	66	11/11/02	58	72	8
BRIDGEPORT 5 NW, AL US	11/12/20	60	11/12/66	55	64	5
CLAYTON, AL US	11/12/20	68	11/12/75	65	64	3
ENTERPRISE 2 W, AL US	11/12/20	69	11/12/66	65	54	4
GENEVA NUMBER 2, AL US	11/12/20	67	11/12/86	62	44	5
GUNTERSVILLE, AL US	11/12/20	57	11/12/66	57	110	0
JACKSON, AL US	11/12/20	63	11/12/85	57	36	6
MARION JUNCTION 2 NE, AL US	11/12/20	61	11/12/66	61	70	0
OPELIKA, AL US	11/12/20	66	11/12/75	63	63	3
SELMA, AL US	11/12/20	66	11/12/29	65	123	1
SYLACAUGA 4 NE, AL US	11/12/20	63	11/12/66	60	65	3
FORT BENNING LAWSON FIELD, AL US	11/27/20	58	11/27/11	53	71	5
Highest Precipitation Daily Record						
MOULTON 2, AL US	11/11/20	1.17	11/11/09	1.16	63	0.01
WEST BLOCTON, AL US	11/12/20	1.5	11/12/04	1.24	80	0.26
OPELIKA, AL US	11/26/20	2.5	11/26/86	2.38	63	0.12
ALICEVILLE L AND D, AL US	11/30/20	1.9	11/30/10	1.83	40	0.07
BANKHEAD LOCK AND DAM, AL US	11/30/20	1.7	11/30/01	1.35	63	0.35
CAHABA PUMP HOUSE, AL US	11/30/20	0.75	11/30/08	0.63	38	0.12
CLANTON, AL US	11/30/20	1.83	11/30/86	1.65	125	0.18
JACKSONVILLE, AL US	11/30/20	0.91	11/30/67	0.67	72	0.24
MARION JUNCTION 2 NE, AL US	11/30/20	3	11/30/86	1.77	70	1.23
THORSBY EXPERIMENTAL STATION, AL US	11/30/20	2.93	11/30/86	1.9	62	1.03
Highest Snowfall Daily Record						
HUNTSVILLE INTNL AIRPORT, AL US	11/30/20	0	11/30/74	0	61	0
ANNISTON METROPOLITAN AIRPORT, AL US	11/30/20	0			72	
BIRMINGHAM AIRPORT, AL US	11/30/20	0	11/30/74	0	90	0
MUSCLE SHOALS AIRPORT, AL US	11/30/20	0	11/30/74	0	79	0

Volunteer Precipitation Reports (CoCoRAHS)

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)									
November 2020									
	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations		Normal November Precipitation*	
Autauga	3.28	1		Houston	1.29	1		Abbeville	4.61
Baldwin	1.67	26		Jackson	2.50	4		Alberta	4.93
Barbour	3.41	1		Jefferson	2.20	14		Alex City	4.79
Bibb	4.41	1		Lamar	1.90	1		Aliceville	4.84
Blount	3.48	5		Lauderdale	2.23	8		Andalusia	4.73
Bullock	n.a.	0		Lawrence	3.35	4		Ashland	5.14
Butler	2.37	1		Lee	5.20	5		Athens	5.06
Calhoun	1.30	1		Limestone	2.65	7		Bay Minette	5.20
Chambers	n.a.	0		Lowndes	n.a.	0		Bessemer	5.08
Cherokee	n.a.	0		Macon	4.54	1		Billingsly	5.04
Chilton	3.94	1		Madison	1.97	23		Centreville WSMC	5.78
Choctaw	5.09	1		Marengo	n.a.	0		Chatom	5.78
Clarke	3.55	3		Marion	2.14	1		Claiborne L&D	5.05
Clay	n.a.	0		Marshall	2.72	10		Clayton	4.03
Cleburne	n.a.	0		Mobile	2.26	16		Dauphin Isl.	4.14
Coffee	n.a.	0		Monroe	2.86	2		Elba	4.63
Colbert	2.28	5		Montgomery	3.47	4		Eufaula WR	4.10
Conecuh	2.71	2		Morgan	1.73	6		Evergreen	4.88
Coosa	3.87	2		Perry	n.a.	0		Fayette	4.81
Covington	3.97	1		Pickens	n.a.	0		Geneva 2	5.24
Crenshaw	n.a.	0		Pike	n.a.	0		Greenville	5.20
Cullman	2.05	4		Randolph	4.38	1		Haleyville	5.72
Dale	2.62	1		Russell	4.91	2		Hamilton 3S	5.20
Dallas	3.57	1		St. Clair	2.26	5		Heflin	4.71
DeKalb	2.43	6		Shelby	2.06	14		Hurtsboro	4.70
Elmore	3.41	5		Sumter	n.a.	0		Jasper	5.68
Escambia	3.13	1		Talladega	2.95	4		Lafayette	4.58
Etowah	2.02	1		Tallapoosa	3.13	1		Livingston	4.83
Fayette	0.98	1		Tuscaloosa	1.95	5		Melvin	4.91
Franklin	n.a.	0		Walker	1.85	1		Milstead	4.91
Geneva	3.22	1		Washington	4.14	1		Moulton	5.12
Greene	n.a.	0		Wilcox	4.72	2		Oneonta	4.90
Hale	n.a.	0		Winston	1.95	3		Perryville	4.34
Henry	n.a.	0						Plantersville	5.00
								Rock Mills	4.51
								Rockford	5.05
								Sylacauga	4.80
								Union Springs	5.06
								Uniontown	4.90
								Vernon	5.48
								Warrior L&D	4.92
								Wetumpka	4.20

Alabama State Climatologist

John R. Christy

Alabama State Climatologist

The University of Alabama

in Huntsville

christy@nsstc.uah.edu

256-961-7763

Assistant State Climatologist

Robert Junod

The University of Alabama in Huntsville

rjunod@nsstc.uah.edu

256-961-7743

For questions, please contact:

alabama.climate@nsstc.uah.edu

<http://nsstc.uah.edu/alclimatereport>