

The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

Volume 10, Number 8, November 2019



Dr. John Christy, Alabama State Climatologist

With my temporary duties as Interim Dean of the College of Science and two business stints out of town in December, I find myself finally, on this day after Christmas, with time to look back on November 2019.

Thanks to a major cold spell in the first two weeks, November's temperature average across the state was fairly chilly. The month ended 2.9°F below average coming in at 19th coldest out of the last 125 years of record. Many daily low temperature records were set. However, this November was much warmer than the coldest back in 1976 which averaged 7.6°F below the average.

Of the major stations in the state, the Andalusia-Opp airport once again headed the leader board where the temperature topped out at 84°F, surprisingly at the end of the month. But the real temperature story was the cold weather in the first half of the month in which 55 reporting stations dipped into the teens with Addison bottoming out at 11°F on the 13th. There were even enough snowflakes in the air for several stations to record a dusting (0.1 inch) for the month.

Rainfall statewide was not far from normal, averaging 3.02 inches, or 0.83 inches below average. Believe it or not, our driest November (1924) averaged only a quarter of an inch statewide. A couple of wet systems came across North Alabama in the latter half of the month that dropped enough rainfall to put eight stations above 6 inches for the month. The rain gauge at Bragg Farms in Madison Co. near the Tennessee line caught 9.2 inches. In general, the drought conditions of October experienced widespread improvement.

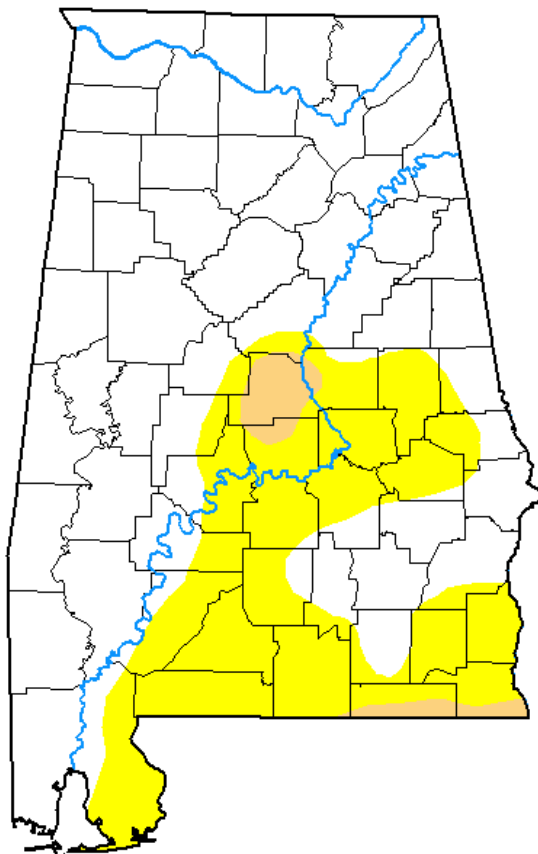
November and December comprise our secondary tornado season in Alabama. In November, one tornado touched down in Mobile County (EF-1, 7th, modest damage to a mobile home park) and three on the very warm day of the 27th, two in Barbour County and one in Pike County. These latter twisters were all minor (EF0) with little damage. December's severe weather report will contain more somber news.

It won't be too many days before the December, and thus calendar-year report will be coming your way, so stay tuned.

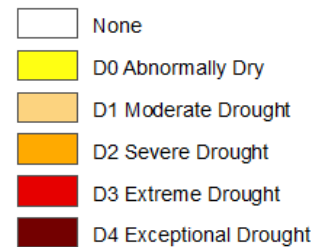
John Christy

U.S. Drought Monitor
Alabama

December 3, 2019
(Released Thursday, Dec. 5, 2019)
Valid 7 a.m. EST



Intensity:



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>

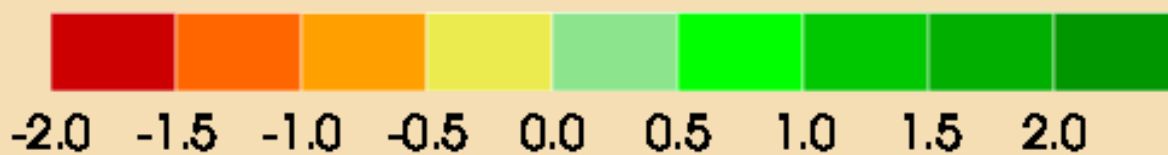
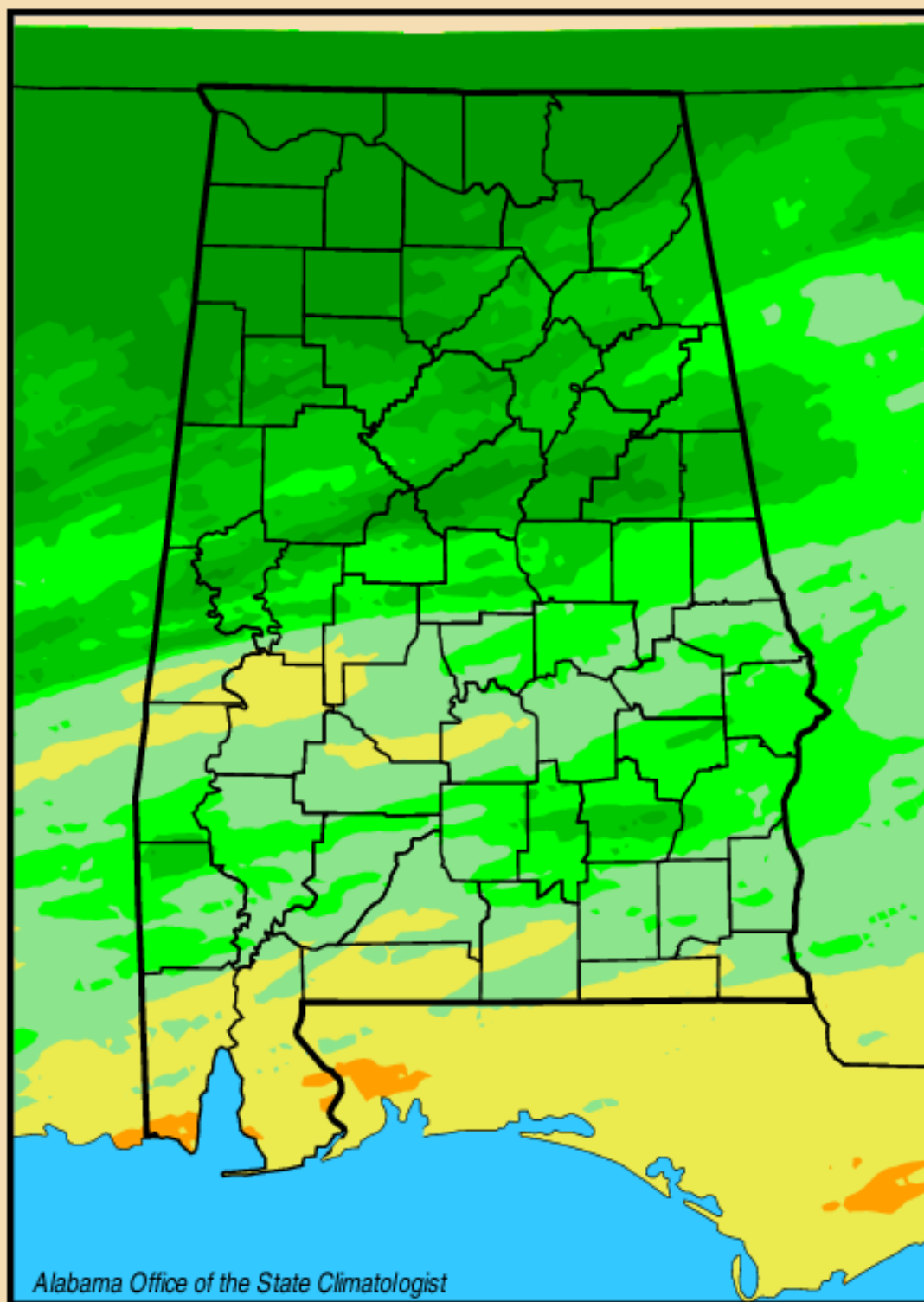
Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu

Lawn-and-Garden Moisture Index for December 2, 2019



Alabama Monthly Climate Summaries

November 2019

	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	50.3 53.4	76 11/6/19 88 11/2/74	20 11/13/19 5 11/25/50	3.83" 4.20"	10.32" 1992 1.03" 1980	1.16" 11/23/19 3.21" 11/28/48
Auburn	52.8 53.4	76 11/30/19 90 11/1/35	22 11/13/19 9 11/25/50	3.08" 3.47"	17.77" 1948 .23" 1924	1.23" 11/15/19 7.05" 11/27/48
Birmingham	50.8 53.1	75 11/6/19 85+ 11/1/00	18 11/13/19 5 11/25/50	2.55" 4.63"	9.66" 1986 1.67" 1981	1.39" 11/23/19 4.41" 11/27/83
Brewton	52.9 56	79.2 11/30/19 89+ 11/1/61	24.7 11/13/19 15 11/28/38	1.03" 5.16"	13.01" 1989 1.20" 1993	0.46" 11/7/19 4.52" 11/8/89
Calera	51 53	76 11/6/19 86 11/2/74	22 11/13/19 12 11/30/59	3.81" 3.69"	16.94" 1948 0.00" 1924	1.42" 11/23/19 4.70" 11/12/29
Clanton	49.8 53	76.1 11/6/19 88 11/1/35	20.8 11/13/19 8 11/25/50	3.80" 4.96"	17.37" 1986 .80" 1981	0.84" 11/7/19 5.50" 11/12/29
Courtland	46.3 M	73.8 11/6/19 M	16.9 11/13/19 M	6.07" M	M M	2.34" 11/30/19 M
Cullman (St. Bernard)	46.4 M	72.4 11/6/19 M	14.6 11/13/19 M	3.63" M	M M	1.08" 11/23/19 M
Decatur (Pryor Field)	47 51	74 11/6/19 86 11/3/35	17 11/13/19 3 11/25/50	3.98" 3.69"	14.26" 1957 0.00" 1910	1.32" 11/23/19 3.97" 11/10/91
Dothan	56.8 58	81 11/30/19 88 11/5/46	27 11/13/19 17 11/25/50	1.99" 3.01"	10.29" 1930 .05" 1931	0.46" 11/12/19 4.50" 11/7/12
Fairhope	55.3 59.5	81.8 11/7/19 91 11/2/71	26.0 11/13/19 21 11/25/50	0.67" 5.19"	12.03" 1997 .81 1981	0.25" 11/12/19 4.88" 11/2/95
Gadsden	46.8 51.8	70.3 11/30/19 87 11/1/00	15.3 11/13/19 14+ 11/25/70	2.54" 4.56"	8.97" 1982 1.30" 1981	0.63" 11/23/19 4.31" 11/28/73
Gainesville Lock	49.4 53.6	75.0 11/30/19 87 11/1/61	20.6 11/13/19 17+ 11/30/76	3.76" 4.51"	10.24" 1986 .93" 1998	1.45" 11/23/19 3.58" 11/28/01
Greensboro	M 55.7	M 98 11/7/40	M 12 11/25/50	M 4.47"	14.70" 1986 .75" 1981	M 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	53.5 56	76.7 11/6/19 88+ 11/1/84	22.3 11/13/19 10 11/25/50	2.89" 4.71"	11.87" 1997 .73" 1999	0.76" 11/27/19 3.2" 11/28/48
Huntsville	48 51.2	75 11/6/19 84+ 11/1/00	17 11/13/19 15+ 11/30/76	4.77" 5.22"	11.53" 1977 1.82" 1971	1.95" 11/30/19 3.33" 11/27/73
Mobile	57.3 58.9	81 11/7/19 87+ 11/2/71	26 11/13/19 22 11/25/50	1.27" 5.41"	12.70" 1992 .85" 1981	0.62" 11/7/19 7.01" 11/6/75
Montgomery	54.1 56.1	80 11/6/19 87+ 11/8/86	25 11/13/19 13 11/25/50	2.64" 4.53"	10.18" 1986 .51 1981	0.77 11/12/19 8.16" 11/26/48
Muscle Shoals Airport	49.1 51.5	77 11/6/19 85 11/1/00	19 11/13/19 2 11/25/50	7.95" 5.09"	11.06" 1986 1.90" 1971	3.98" 11/30/19 3.65" 11/30/91
Russellville	45.6 50.1	74.2 11/6/19 85+ 11/2/00	14.7 11/13/19 10+ 11/25/70	4.72" 5.08"	9.76" 1986 .84" 1971	1.21" 11/22/19 3.80" 11/2/99
Scottsboro	46.1 50.2	72.1 11/6/19 85+ 11/2/00	17.2 11/13/19 1 11/25/50	4.10" 4.98"	11.43" 1977 1.52" 1971	1.28" 11/23/19 4.90" 11/17/27
Selma	49.5 56.2	79.0 11/30/19 91 11/3/30	18.8 11/13/19 13 11/25/50	2.22" 4.32"	10.44" 1986 .53" 1981	0.75" 11/7/19 3.62" 11/27/48
Talladega	48.9 51.4	76.0 11/6/19 86+ 11/2/74	18.9 11/13/19 5 11/25/50	3.14" 4.59"	10.69" 1992 .66" 1981	1.34" 11/23/19 3.31" 11/2/92
Thomasville	50.4 56.3	78.5 11/30/19 90 11/4/35	21.6 11/13/19 14 11/25/50	1.97" 5.31"	11.26" 1986 .86" 1981	0.80" 11/12/19 3.8" 11/6/59
Troy	52.7 56.2	78 11/6/19 89 11/4/35	23 11/13/19 12 11/25/50	3.41" 4.44"	10.53" 1992 1.33" 1990	1.00" 11/27/19 6.12" 11/8/43
Tuscaloosa	51.2 55.3	77 11/6/19 87+ 11/3/00	21 11/13/19 10 11/25/50	2.82" 4.84"	10.04" 2000 .84" 1985	1.21" 11/23/19 3.67" 11/11/95
Valley Head	45.7 48.5	70.8 11/6/19 84+ 11/3/74	16.0 11/13/19 -2 11/25/50	3.26" 5.00"	9.76" 1983 1.19" 1971	1.17" 11/23/19 4.06" 11/5/77

November 2019

[illegible]

Lowest Maximum Temperature Monthly Record

STATION	DATE	RECORD	PREV. DATE	PREV. RECC	NUMBER O	DIFFERENCE
GUNTERSVILLE, AL US	11/13/19	0	11/16/18	34	109	-2
JACKSON, AL US	11/13/19	36	11/19/00	42	35	-6
GENEVA NUMBER 2, AL US	11/18/19	39	11/30/76	39	43	0

Lowest Minimum Temperature Monthly Record

FAIRHOPE 2 NE, AL US	11/13/19	21	11/19/14	21	101	0
JACKSON, AL US	11/13/19	21	11/24/00	21	35	0
JACKSON, AL US	11/16/19	20	11/13/19	21	35	-1

Highest Precipitation for One Day Monthly Record

MUSCLE SHOALS REGIONAL AIRPORT, AL US	11/30/19	3.98	11/30/91	3.65	78	0.33
---------------------------------------	----------	------	----------	------	----	------

Highest Maximum Temperature Daily Record

FORT BENNING LAWSON FIELD, AL US	11/7/19	78	11/7/16	78	70	0
MOBILE REGIONAL AIRPORT, AL US	11/29/19	79	11/29/17	79	71	0
MONTGOMERY AIRPORT, AL US	11/30/19	80	11/30/16	80	71	0

Lowest Maximum Temperature Daily Record

MOULTON 2, AL US	11/1/19	45	11/1/93	49	62	-4
BANKHEAD LOCK AND DAM, AL US	11/9/19	48	11/9/62	53	62	-5
DEMOPOLIS LOCK AND DAM, AL US	11/9/19	49	11/9/51	53	67	-4
JACKSON, AL US	11/9/19	46	11/9/93	58	35	-12
MOULTON 2, AL US	11/9/19	46	11/9/68	48	62	-2
SELMA, AL US	11/9/19	53	11/9/68	53	122	0
BANKHEAD LOCK AND DAM, AL US	11/12/19	42	11/12/68	42	62	0
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	11/12/19	38	11/12/68	40	60	-2
MUSCLE SHOALS REGIONAL AIRPORT, AL US	11/12/19	35	11/12/68	42	78	-7
ATMORE, AL US	11/13/19	42	11/13/84	57	79	-15
BAY MINETTE, AL US	11/13/19	41	11/13/32	53	104	-12
BREWTON 3 ENE, AL US	11/13/19	44	11/13/97	54	42	-10
GENEVA NUMBER 2, AL US	11/13/19	51	11/13/97	54	43	-3
GREENSBORO, AL US	11/13/19	39	11/13/20	47	127	-8
GUNTERSVILLE, AL US	11/13/19	0	11/13/14	44	109	-12
HAMILTON 3 S, AL US	11/13/19	34	11/13/76	45	57	-11
JACKSON, AL US	11/13/19	36	11/13/14	56	35	-20
MARION JUNCTION 2 NE, AL US	11/13/19	40	11/13/97	51	69	-11
MOULTON 2, AL US	11/13/19	31	11/13/76	43	62	-12
OPELIKA, AL US	11/13/19	41	11/13/68	41	62	0
ROBERTSDALE, AL US	11/13/19	44	11/13/68	51	95	-7
RUSSELLVILLE NUMBER 2, AL US	11/13/19	30	11/13/68	42	65	-12
SAND MOUNTAIN SUBSTATION, AL US	11/13/19	28	11/13/14	45	69	-17
SCOTTSBORO, AL US	11/13/19	33	11/13/68	40	127	-7
SELMA, AL US	11/13/19	41	11/13/04	47	122	-6
SYLACAUGA 4 NE, AL US	11/13/19	37	11/13/63	46	64	-9
VERNON, AL US	11/13/19	38	11/13/76	46	62	-8
ROCK MILLS, AL US	11/14/19	43	11/14/14	46	77	-3
GENEVA NUMBER 2, AL US	11/18/19	39	11/18/97	50	43	-11

Lowest Minimum Temperature Daily Record						
ENTERPRISE 2 W, AL US	11/2/19	34	11/2/93	34	53	0
FAIRHOPE 2 NE, AL US	11/2/19	31	11/2/93	0	101	-1
ROCK MILLS, AL US	11/2/19	29	11/2/76	29	77	0
JACKSON, AL US	11/4/19	26	11/4/91	27	35	-1
JACKSON, AL US	11/6/19	28	11/6/10	31	35	-3
JACKSON, AL US	11/9/19	23	11/9/91	31	35	-8
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	11/9/19	25	11/9/91	25	60	0
JACKSON, AL US	11/10/19	23	11/10/08	31	35	-8
MOULTON 2, AL US	11/10/19	24	11/10/91	24	62	0
BANKHEAD LOCK AND DAM, AL US	11/12/19	20	11/12/91	25	62	-5
BESSEMER 3 WSW, AL US	11/12/19	25	11/12/87	25	42	0
GADSDEN, AL US	11/12/19	23	11/12/53	24	66	-1
JACKSON, AL US	11/12/19	27	11/12/87	28	35	-1
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	11/12/19	20	11/12/87	25	60	-5
MOBILE DOWNTOWN AIRPORT, AL US	11/12/19	0	11/12/11	35	70	-3
BIRMINGHAM AIRPORT, AL US	11/12/19	22	11/12/50	23	89	-1
MOBILE REGIONAL AIRPORT, AL US	11/12/19	30	11/12/87	30	71	0
MUSCLE SHOALS REGIONAL AIRPORT, AL US	11/12/19	22	11/12/60	24	78	-2
ATMORE, AL US	11/13/19	25	11/13/13	31	79	-6
BANKHEAD LOCK AND DAM, AL US	11/13/19	21	11/13/87	25	62	-4
BAY MINETTE, AL US	11/13/19	25	11/13/32	28	104	-3
BESSEMER 3 WSW, AL US	11/13/19	20	11/13/84	26	42	-6
CLAYTON, AL US	11/13/19	23	11/13/84	26	63	-3
DAUPHIN ISLAND NUMBER 2, AL US	11/13/19	33	11/13/13	41	43	-8
DEMOPOLIS LOCK AND DAM, AL US	11/13/19	23	11/13/13	24	67	-1
FAIRHOPE 2 NE, AL US	11/13/19	21	11/13/68	29	101	-8
GADSDEN, AL US	11/13/19	20	11/13/53	22	66	-2
GAINESVILLE LOCK, AL US	11/13/19	22	11/13/87	25	61	-3
GREENSBORO, AL US	11/13/19	20	11/13/68	25	127	-5
HALEYVILLE, AL US	11/13/19	16	11/13/68	22	116	-6
HAMILTON 3 S, AL US	11/13/19	13	11/13/68	17	57	-4

HEADLAND, AL US	11/13/19	26	11/13/68	27	69	-1
JACKSON, AL US	11/13/19	21	11/13/87	29	35	-8
MARION JUNCTION 2 NE, AL US	11/13/19	20	11/13/68	23	69	-3
MOULTON 2, AL US	11/13/19	16	11/13/68	20	62	-4
OPELIKA, AL US	11/13/19	22	11/13/68	22	62	0
ROCK MILLS, AL US	11/13/19	19	11/13/68	20	77	-1
SAND MOUNTAIN SUBSTATION, AL US	11/13/19	16	11/13/84	21	69	-5
SCOTTSBORO, AL US	11/13/19	12	11/13/68	17	127	-5
SELMA, AL US	11/13/19	23	11/13/06	24	122	-1
SYLACAUGA 4 NE, AL US	11/13/19	16	11/13/68	17	64	-1
VERNON, AL US	11/13/19	16	11/13/77	19	62	-3
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	11/13/19	17	11/13/68	22	60	-5
FORT BENNING LAWSON FIELD, AL US	11/13/19	24	11/13/68	27	70	-3
MOBILE DOWNTOWN AIRPORT, AL US	11/13/19	30	11/13/13	36	70	-6
ANNISTON METROPOLITAN AIRPORT, AL US	11/13/19	20	11/13/68	24	116	-4
BIRMINGHAM AIRPORT, AL US	11/13/19	18	11/13/68	23	89	-5
MOBILE REGIONAL AIRPORT, AL US	11/13/19	26	11/13/13	0	71	-6
MUSCLE SHOALS REGIONAL AIRPORT, AL US	11/13/19	19	11/13/86	23	78	-4
TUSCALOOSA AIRPORT ASOS, AL US	11/13/19	21	11/13/68	22	71	-1
BANKHEAD LOCK AND DAM, AL US	11/14/19	21	11/14/63	23	62	-2
CLAYTON, AL US	11/14/19	26	11/14/95	28	63	-2
DAUPHIN ISLAND NUMBER 2, AL US	11/14/19	33	11/14/14	37	43	-4
ENTERPRISE 2 W, AL US	11/14/19	22	11/14/68	28	53	-6
FAIRHOPE 2 NE, AL US	11/14/19	22	11/14/14	28	101	-6
GAINESVILLE LOCK, AL US	11/14/19	19	11/14/13	25	61	-6
GUNTERSVILLE, AL US	11/14/19	22	11/14/11	22	109	0
HAMILTON 3 S, AL US	11/14/19	13	11/14/13	17	57	-4
MARION JUNCTION 2 NE, AL US	11/14/19	22	11/14/63	22	69	0
SAND MOUNTAIN SUBSTATION, AL US	11/14/19	19	11/14/86	20	69	-1
SELMA, AL US	11/14/19	23	11/14/07	25	122	-2
SYLACAUGA 4 NE, AL US	11/14/19	17	11/14/13	20	64	-3
JACKSON, AL US	11/16/19	20	11/16/97	25	35	-5
JACKSON, AL US	11/17/19	21	11/17/97	25	35	-4

Highest Precipitation Daily Record						
COFFEEVILLE LOCK AND DAM, AL US	11/1/19	1.85	11/1/15	1.65	36	0.2
COFFEEVILLE LOCK AND DAM, AL US	11/12/19	0.9	11/12/92	0.86	36	0.04
HAMILTON 3 S, AL US	11/12/19	0.81	11/12/18	0.7	57	0.11
HANCEVILLE, AL US	11/12/19	1.3	11/12/04	0.7	33	0.6
BRIDGEPORT 5 NW, AL US	11/23/19	1.84	11/23/60	1.7	122	0.14
HAMILTON 3 S, AL US	11/23/19	2.1	11/23/86	1.95	57	0.15
ATHENS, AL US	11/30/19	3.37	11/30/10	1.8	78	1.57
MUSCLE SHOALS REGIONAL AIRPORT, AL US	11/30/19	3.98	11/30/91	3.65	78	0.33
Highest Snowfall Daily Record						
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	11/12/19	T	11/12/68	T	60	0
MUSCLE SHOALS REGIONAL AIRPORT, AL US	11/12/19	T			78	
Highest Snowfall Depth						
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	11/12/19	T			60	

Alabama State Climatologist

John R. Christy
Alabama State Climatologist
The University of Alabama
in Huntsville
christy@nsstc.uah.edu
256-961-7763

For questions, please contact:

alabama.climate@nsstc.uah.edu

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