

# The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

**Volume 10, Number 5, August 2019**



Dr. John Christy, Alabama State Climatologist

Statewide, August's weather was a little warmer and a little wetter than usual. Relative to the 20th century average, the temperature averaged +1.3°F above the mean of 79.3 °F and precipitation was +0.58 inches above the normal of 4.34 inches.

Temperature-wise, the first and last weeks of the month were blessed with cooler than normal weather while the peak temperatures occurred near the middle of the month. The lower humidity near the end of the month was partly a consequence of the broad circulation of hurricane Dorian.

Hottest daily extremes were recorded in Helena (105°F) and Childersburg Water Plant (104°F). In all, 41 stations experienced at least one day in triple digits. On the other end of the thermom-

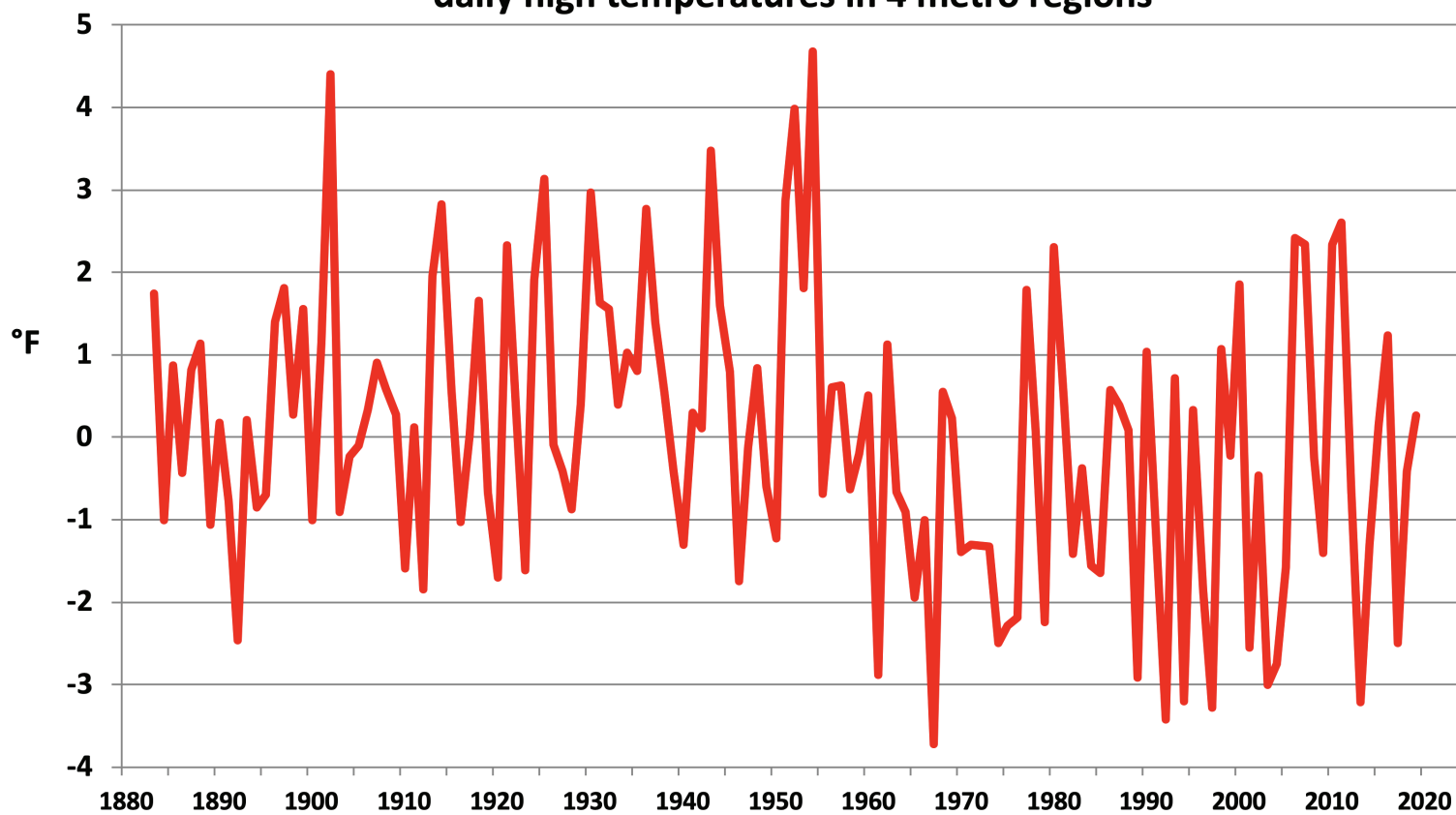
eter scale was the US Forest Service Station at Liri, about 5 miles SSW of Mentone, which bot-  
tomed out at 50°F.

Though the statewide average rainfall was 4.92 inches, there was the usual distribution of very wet and very dry stations. A CoCoRaHS observer south of Theodore (south of Mobile) measured 12.96 inches in August. Sixteen other stations topped out at more than ten inches for the month and were found from Muscle Shoals and Florence in the far north to stations near Theodore south of Mobile. Muscle Shoals was pounded with over 7 inches on the 25th alone which created flooding problems for many residents. Dry areas (about two inches or less for the month) also ranged from the north (e.g. Courtland) to the south (e.g. Enterprise) and several stations in between.

Meteorological summer is defined as June, July and August. I have produced and published an index of Alabama daily summer maximum temperatures that goes all the way back to 1883 (137 summers). Now that the "official" summer is in the books (though September can still be hot), I find that the summer of 2019 was only a quarter of a degree F above the long-term average – very close to normal. The hottest summer remains 1954 when each day averaged 4.7 °F above the normal and the coldest was 1967 at -3.7 °F below the long-term average (See chart below).

John Christy

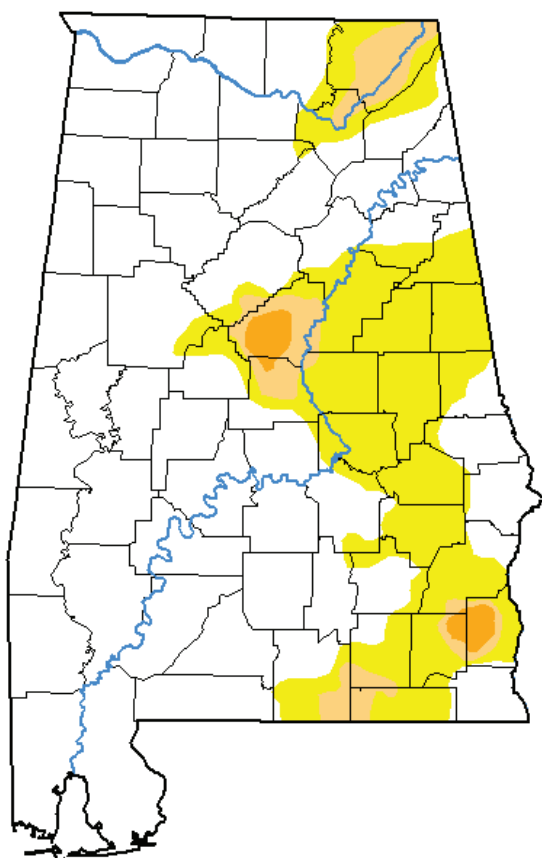
**Alabama Statewide Summer Temperature Index 1883-2019**  
**Annual Average Departure from the long-term average of**  
**daily high temperatures in 4 metro regions**



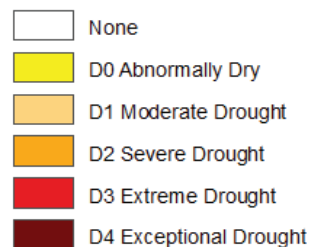
John R. Christy, Alabama State Climatologist

**U.S. Drought Monitor**  
**Alabama**

**September 3, 2019**  
(Released Thursday, Sep. 5, 2019)  
Valid 8 a.m. EDT



**Intensity:**



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

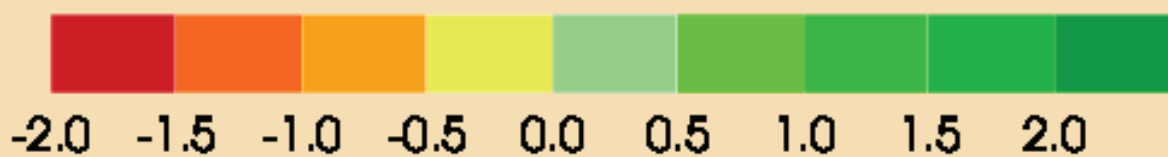
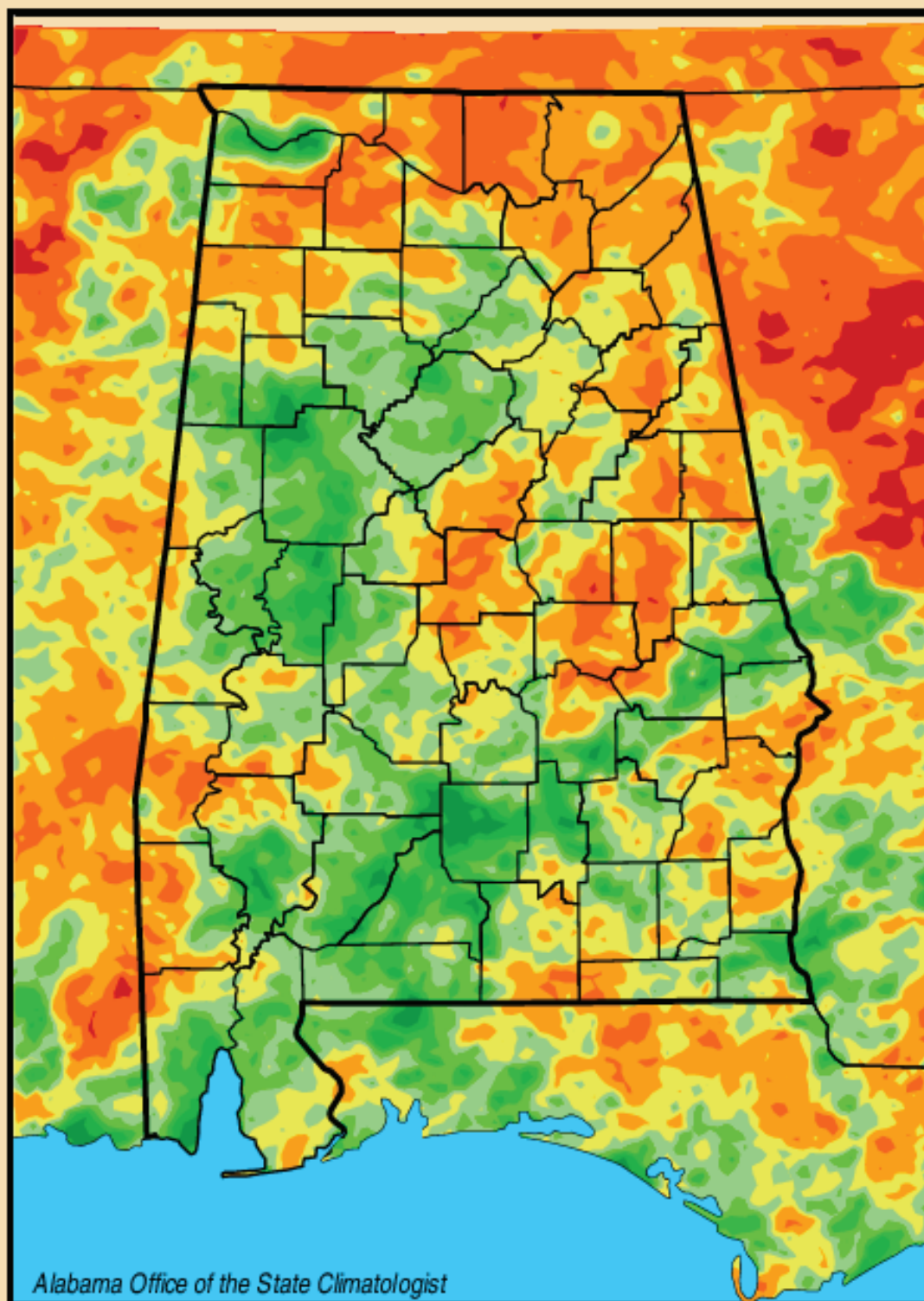
**Author:**

David Miskus  
NOAA/NWS/NCEP/CPC



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

## Lawn-and-Garden Moisture Index for September 7, 2019





**Alabama Monthly Climate Summaries**  
**August 2019**

	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.
Anniston	80.6 79.5	101 8/13/19 106 8/21/83	59 8/30/19 50 8/28/52	3.27" 3.35"	7.54" 1974 .50" 1983	.82" 8/27/19 5.57" 8/24/67
Auburn	81.4 79.7	97 8/17/19 106 8/20/25	69 8/28/19 54 8/29/68	3.11" 4.29"	11.03" 1944 .01" 1925	1.09" 8/3/19 3.73" 8/17/39
Birmingham	82.1 79.6	101 8/13/19 104 8/8/35	61 8/30/19 51 8/31/46	4.81" 3.48"	8.98" 1998 .38" 1989	1.57" 8/26/19 4.15" 8/2/41
Brewton	78 79.7	94.6 8/17/19 104+ 8/13/54	62.6 8/30/19 53+ 8/30/68	5.37" 5.64"	14.69" 1977 1.67" 1980	1.76" 8/8/19 7.20" 8/4/95
Calera	81.9 78.4	102 8/13/19 102 8/10/56	58 8/30/19 50 8/26/66	2.21" 4.23"	15.00" 1939 .33" 1998	.87" 8/26/19 5.70" 8/26/08
Clanton	79.2 78.3	98.8 8/13/19 105 8/8/35	56.8 8/30/19 51 8/24/57	2.01" 3.73"	7.98" 1974 .45" 1990	.69" 8/25/19 6.75" 8/26/70
Courtland	77.5 M	96.5 8/13/19 M	57.6 8/30/19 M	2.07" M	M M	.84" 8/13/19 M
Cullman (St. Bernard)	76.3 M	95.5 8/13/19 M	54.4 8/30/19 M	8.44" M	M M	2.59" 8/4/19 M
Decatur (Pryor Field)	79.4 79.8	99 8/19/19 107 8/1/35	56 8/30/19 52 8/26/17	3.87" 3.61"	11.93" 1919 .00" 1962	.79" 8/25/19 3.95" 8/22/60
Dothan	83.2 81.2	101 8/17/19 103 8/26/38	66 8/30/19 43 8/24/1902	5.19" 4.81"	20.85" 1939 1.47" 1958	1.22" 8/1/19 4.80" 8/10/31
Fairhope	80 81.1	93.9 8/17/19 102 8/30/00	67.1 8/31/19 60+ 8/30/92	3.52" 6.22"	14.23" 1984 1.25" 1997	2.15" 8/26/19 5.74" 8/2/84
Gadsden	75.4 78.9	94.1 8/13/19 105 8/16/54	53.9 8/30/19 52+ 8/12/67	8.58" 3.65"	9.52" 1992 .10" 1983	3.38" 8/20/19 3.32" 8/6/60
Gainesville Lock	79 80.3	96.9 8/18/19 103+ 8/30/00	60.9 8/30/19 55 8/30/86	5.85" 2.91"	8.11" 1992 .37" 1990	1.13" 8/10/19 4.12" 8/10/70
Greensboro	78.5 81.3	95.4 8/18/19 107 8/26/43	59.1 8/30/19 55 8/22/56	9.60" 3.30"	7.01" 1993 1.16" 1989	2.43" 8/26/19 4.22" 8/31/61
Guntersville	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
Highland Home	79.1 79	99.1 8/17/19 103 8/9/54	64.6 8/30/19 56 8/29/92	6.71" 4.30"	8.28" 1984 .89" 1997	3.84" 8/25/19 3.65" 8/12/86
Huntsville	79.9 78.9	100 8/19/19 108 8/8/30	58 8/29/19 50 8/10/1954	2.75" 3.42"	9.81" 1986 .58" 1998	.90" 8/3/19 4.29" 8/10/86
Mobile	83.4 81.3	98 8/17/19 105 8/29/2000	69 8/31/19 57 8/25/1891	10.68" 6.20"	15.19" 1984 1.04" 1997	1.82 8/14/19 5.65" 8/1/84
Montgomery	83.7 81.2	102 8/17/19 104+ 8/24/83	61 8/30/19 56 8/29/92	4.76" 3.63"	10.43" 1984 .73" 1997	2.51" 8/25/19 5.38" 8/2/84
Muscle Shoals Airport	81.5 79.1	98 8/13/19 105+ 8/16/54	60 8/30/19 53+ 8/29/92	3.75" 2.96"	6.78" 1979 .15" 1990	1.61" 8/25/19 3.43" 8/25/76
Russellville	76 77	94.2 8/13/19 103+ 8/30/00	53 8/30/19 46+ 8/29/67	3.93" 2.97"	6.83" 1997 .07" 1999	1.25" 8/13/19 3.69" 8/16/85
Scottsboro	76.6 77.7	98.8 8/18/19 105+ 8/16/54	54.3 8/30/19 46 8/23/82	3.90" 3.43"	7.70" 1985 .74" 1999	1.04" 8/26/19 4.39" 8/11/01
Selma	79.3 81	100 8/13/19 105+ 8/30/54	57.6 8/30/19 57+ 8/30/92	4.24" 4.01"	8.84" 1984 .71" 1990	1.25" 8/23/19 5.35" 8/15/39
Talladega	79.3 77.3	101.3 8/13/19 103 8/16/54	57.5 8/30/19 46 8/23/50	4.57" 3.52"	9.11" 1984 .60" 1999	1.11" 8/27/19 4.30" 8/11/82
Thomasville	78.2 80.9	95.7 8/18/19 105+ 8/31/54	59.9 8/30/19 53 8/22/56	4.89" 3.88"	9.01" 1996 1.02" 1989	1.61" 8/1/19 6.05" 8/14/39
Troy	78.2 80.2	96.2 8/17/19 106 8/28/54	59.8 8/30/19 55 8/31/46	4.93" 3.56"	8.38" 1996 .55" 1989	1.51" 8/3/19 6.75" 8/31/61
Tuscaloosa	82.3 81.2	100 8/13/19 107 8/10/07	60 8/30/19 53 8/22/56	6.91" 3.80"	8.84" 1970 .57" 1953	1.50" 8/25/19 2.87" 8/10/67
Valley Head	74.9 75.3	95.4 8/13/19 105 8/16/54	52.4 8/30/19 46 8/13/64	3.08" 3.49"	6.68" 1981 .58" 1983	.84" 8/26/19 3.61" 8/4/84

**Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)**

**August 2019**

	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations
Autauga	3.43	1		Houston	n.a.	0
Baldwin	7.31	22		Jackson	3.61	4
Barbour	3.89	1		Jefferson	5.97	16
Bibb	4.59	1		Lamar	10.03	1
Blount	5.76	6		Lauderdale	7.21	9
Bullock	n.a.	0		Lawrence	2.62	3
Butler	n.a.	0		Lee	5.18	3
Calhoun	3.81	1		Limestone	3.65	5
Chambers	n.a.	0		Lowndes	n.a.	0
Cherokee	0.60	1		Macon	2.30	1
Chilton	3.54	1		Madison	4.80	19
Choctaw	5.37	1		Marengo	n.a.	0
Clarke	9.43	4		Marion	4.74	1
Clay	n.a.	0		Marshall	4.55	10
Cleburne	n.a.	0		Mobile	9.98	13
Coffee	n.a.	0		Monroe	8.70	2
Colbert	5.90	5		Montgomery	4.05	4
Conecuh	n.a.	1		Morgan	4.24	6
Coosa	3.43	2		Perry	n.a.	0
Covington	5.76	1		Pickens	n.a.	0
Crenshaw	n.a.	0		Pike	n.a.	0
Cullman	6.64	4		Randolph	2.28	2
Dale	2.04	1		Russell	4.51	2
Dallas	4.58	1		St. Clair	6.19	5
DeKalb	5.48	5		Shelby	4.14	14
Elmore	3.16	4		Sumter	n.a.	0
Escambia	7.31	2		Talladega	5.96	4
Etowah	n.a.	0		Tallapoosa	1.77	1
Fayette	6.46	1		Tuscaloosa	6.82	5
Franklin	n.a.	0		Walker	n.a.	0
Geneva	4.01	1		Washington	9.90	1
Greene	n.a.	0		Wilcox	5.95	2
Hale	n.a.	0		Winston	5.63	2
Henry	n.a.	0				

<b>Normal August Precipitation*</b>	
Abbeville	4.63
Alberta	4.22
Alex City	4.50
Aliceville	3.57
Andalusia	5.65
Ashland	4.47
Athens	3.39
Bay Minette	6.44
Bessemer	3.72
Billingsly	4.16
Centreville WSMO	5.02
Chatom	4.69
Claiborne L&D	4.09
Clayton	4.10
Dauphin Isl.	7.19
Elba	4.49
Eufaula WR	3.57
Evergreen	5.07
Fayette	3.84
Geneva 2	5.03
Greenville	4.76
Haleyville	4.35
Hamilton 3S	4.01
Heflin	3.55
Hurtsboro	3.37
Jasper	3.33
Lafayette	4.20
Livingston	4.51
Melvin	6.86
Milstead	4.12
Moulton	3.66
Oneonta	3.31
Perryville	3.56
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



Highest Precipitation for One Day Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECC	NUMBER O	DIFFERENCE
GADSDEN, AL US	8/1/19	6.21	8/26/08	3.63	66	2.58
Highest Maximum Temperature Daily Record						
GENEVA NUMBER 2, AL US	8/13/19	96	8/13/06	96	43	0
ENTERPRISE 2 W, AL US	8/14/19	97	8/14/06	96	53	1
GENEVA NUMBER 2, AL US	8/14/19	96	8/14/07	96	43	0
MOBILE DOWNTOWN AIRPORT, AL US	8/16/19	101	8/16/00	98	70	3
ENTERPRISE 2 W, AL US	8/17/19	99	8/17/14	99	53	0
FORT BENNING LAWSON FIELD, AL US	8/17/19	100	8/17/52	99	70	1
MONTGOMERY AIRPORT, AL US	8/17/19	102	8/17/00	102	71	0
SELMA, AL US	8/18/19	103	8/18/00	103	122	0
Highest Minimum Temperature Daily Record						
ROCK MILLS, AL US	8/5/19	74	8/5/11	73	77	1
MOBILE DOWNTOWN AIRPORT, AL US	8/9/19	80	8/9/13	80	70	0
MUSCLE SHOALS REGIONAL AIRPORT, AL US	8/9/19	76	8/9/51	76	78	0
GUNTERSVILLE, AL US	8/11/19	77	8/11/10	77	109	0
CLAYTON, AL US	8/12/19	74	8/12/99	74	63	0
SELMA, AL US	8/12/19	77	8/12/07	77	122	0
ATMORE, AL US	8/13/19	77	8/13/99	77	79	0
RUSSELLVILLE NUMBER 2, AL US	8/13/19	74	8/13/06	73	65	1
SELMA, AL US	8/13/19	78	8/13/81	78	122	0
MOBILE REGIONAL AIRPORT, AL US	8/13/19	78	8/13/07	78	71	0
MONTGOMERY AIRPORT, AL US	8/13/19	77	8/13/10	77	71	0
GAINESVILLE LOCK, AL US	8/14/19	76	8/14/99	76	61	0
HAMILTON 3 S, AL US	8/14/19	72	8/14/16	72	57	0
VERNON, AL US	8/14/19	74	8/14/17	74	62	0
ATMORE, AL US	8/15/19	76	8/15/17	75	79	1
SELMA, AL US	8/15/19	78	8/15/10	77	122	1
HAMILTON 3 S, AL US	8/23/19	70	8/23/93	70	57	0
VERNON, AL US	8/23/19	74	8/23/11	74	62	0
GUNTERSVILLE, AL US	8/24/19	73	8/24/14	73	109	0
HAMILTON 3 S, AL US	8/24/19	70	8/24/16	70	57	0
ATMORE, AL US	8/25/19	75	8/25/16	75	79	0
HAMILTON 3 S, AL US	8/25/19	71	8/25/89	71	57	0
ATMORE, AL US	8/26/19	75	8/26/03	75	79	0
BREWTON 3 ENE, AL US	8/26/19	74	8/26/06	73	42	1
HAMILTON 3 S, AL US	8/26/19	72	8/26/16	72	57	0
JACKSON, AL US	8/26/19	74	8/26/05	74	35	0
ATMORE, AL US	8/27/19	75	8/27/17	75	79	0
HAMILTON 3 S, AL US	8/27/19	72	8/27/93	72	57	0
JACKSON, AL US	8/27/19	74	8/27/17	74	35	0



#### Lowest Maximum Temperature Daily Record

BANKHEAD LOCK AND DAM, AL US	8/5/19	82	8/5/66	82	62	0
CLAYTON, AL US	8/26/19	80	8/26/91	82	63	-2
GENEVA NUMBER 2, AL US	8/26/19	73	8/26/95	82	43	-9
GUNTERSVILLE, AL US	8/26/19	77	8/26/15	80	109	-3
ONEONTA, AL US	8/26/19	72	8/26/67	75	124	-3
OPELIKA, AL US	8/26/19	77	8/26/61	80	62	-3
SAND MOUNTAIN SUBSTATION, AL US	8/26/19	73	8/26/50	75	69	-2
SCOTTSBORO, AL US	8/26/19	78	8/26/27	80	127	-2
HUNTSVILLE INTERNATIONAL AIRPORT JONES FIELD, AL US	8/26/19	77	8/26/67	79	60	-2
ANNISTON METROPOLITAN AIRPORT, AL US	8/26/19	74	8/26/95	78	116	-4
BIRMINGHAM AIRPORT, AL US	8/26/19	76	8/26/08	77	89	-1
TUSCALOOSA AIRPORT ASOS, AL US	8/26/19	78	8/26/85	79	71	-1
BANKHEAD LOCK AND DAM, AL US	8/27/19	75	8/27/85	79	62	-4
BELLE MINA, AL US	8/27/19	72	8/27/15	79	69	-7
GAINESVILLE LOCK, AL US	8/27/19	78	8/27/15	82	61	-4
JACKSON, AL US	8/27/19	79	8/27/15	83	35	-4
MOULTON 2, AL US	8/27/19	74	8/27/15	79	62	-5
OPELIKA, AL US	8/27/19	77	8/27/95	77	62	0
SAND MOUNTAIN SUBSTATION, AL US	8/27/19	71	8/27/08	74	69	-3
SCOTTSBORO, AL US	8/27/19	71	8/27/44	72	127	-1
SYLACAUGA 4 NE, AL US	8/27/19	76	8/27/08	78	64	-2
VERNON, AL US	8/27/19	80	8/27/08	80	62	0

#### Lowest Minimum Temperature Daily Record

FAIRHOPE 2 NE, AL US	8/3/19	66	8/3/18	66	101	0
FAIRHOPE 2 NE, AL US	8/4/19	67	8/4/18	67	101	0
FORT BENNING LAWSON FIELD, AL US	8/30/19	59	8/30/69	61	70	-2
FORT BENNING LAWSON FIELD, AL US	8/31/19	59	8/31/67	64	70	-5

Highest Precipitation Daily Record						
GADSDEN, AL US	8/1/19	6.21	8/1/18	1.82	66	4.39
SAND MOUNTAIN SUBSTATION, AL US	8/2/19	0.84	8/2/18	0.77	70	0.07
WEST BLOCTON, AL US	8/2/19	2.55	8/2/84	1.47	79	1.08
BOAZ, AL US	8/4/19	0.97	8/4/66	0.83	81	0.14
ADDISON, AL US	8/5/19	1.31	8/5/92	0.52	81	0.79
OPELIKA, AL US	8/5/19	1.2	8/5/66	0.72	62	0.48
SAND MOUNTAIN SUBSTATION, AL US	8/5/19	1.91	8/5/11	1.5	70	0.41
UNIONTOWN, AL US	8/5/19	1.4	8/5/95	1.3	124	0.1
WALNUT GROVE, AL US	8/5/19	2.45	8/5/78	1.65	78	0.8
RUSSELLVILLE NUMBER 2, AL US	8/7/19	1.7	8/7/12	1.37	65	0.33
MUSCLE SHOALS REGIONAL AIRPORT, AL US	8/7/19	1.51	8/7/62	1	78	0.51
MILLERS FERRY LOCK AND DAM, AL US	8/11/19	1.29	8/11/18	0.88	38	0.41
ATMORE, AL US	8/19/19	2.8	8/19/47	1.65	79	1.15
BESSEMER 3 WSW, AL US	8/19/19	0.55	8/19/16	0.32	42	0.23
COFFEEVILLE LOCK AND DAM, AL US	8/20/19	0.8	8/20/01	0.67	36	0.13
FAYETTE, AL US	8/20/19	2.12	8/20/09	1.93	110	0.19
MILLERS FERRY LOCK AND DAM, AL US	8/20/19	0.73	8/20/18	0.66	38	0.07
SAND MOUNTAIN SUBSTATION, AL US	8/21/19	3.28	8/21/04	1.67	70	1.61
HAMILTON 3 S, AL US	8/24/19	1.35	8/24/08	1.03	57	0.32
CAHABA PUMP HOUSE, AL US	8/25/19	0.8	8/25/96	0.67	37	0.13
FAYETTE, AL US	8/25/19	1.52	8/25/67	1.2	110	0.32
HAMILTON 3 S, AL US	8/25/19	1.44	8/25/07	1.22	57	0.22
MONTGOMERY AIRPORT, AL US	8/25/19	2.51	8/25/08	1.85	71	0.66
TUSCALOOSA AIRPORT ASOS, AL US	8/25/19	1.5	8/25/67	1.21	71	0.29
ADDISON, AL US	8/26/19	0.79	8/26/04	0.63	81	0.16
ATHENS, AL US	8/26/19	0.92	8/26/47	0.65	78	0.27
DEMOPOLIS LOCK AND DAM, AL US	8/26/19	2.73	8/26/67	2.52	67	0.21
FAYETTE, AL US	8/26/19	2.54	8/26/96	2	110	0.54
GAINESVILLE LOCK, AL US	8/26/19	1.1	8/26/02	0.91	71	0.19
GREENSBORO, AL US	8/26/19	2.43	8/26/22	2.12	127	0.31
HOLT LOCK AND DAM, AL US	8/26/19	1.7	8/26/91	1.68	38	0.02
UNIONTOWN, AL US	8/26/19	2.62	8/26/85	1.26	124	1.36
WARRIOR LOCK AND DAM, AL US	8/26/19	2.79	8/26/85	1.35	61	1.44
MOBILE DOWNTOWN AIRPORT, AL US	8/26/19	3.84	8/26/50	3.1	70	0.74
TUSCALOOSA AIRPORT ASOS, AL US	8/26/19	1.21	8/26/63	1.2	71	0.01

ADDISON, AL US	8/27/19	0.86	8/27/86	0.44	81	0.42
ATMORE, AL US	8/27/19	1.48	8/27/53	1.17	79	0.31
BANKHEAD LOCK AND DAM, AL US	8/27/19	2.2	8/27/16	1	62	1.2
COFFEEVILLE LOCK AND DAM, AL US	8/27/19	0.78	8/27/06	0.3	36	0.48
FAIRHOPE 2 NE, AL US	8/27/19	2.16	8/27/53	1.54	101	0.62
GENEVA NUMBER 2, AL US	8/27/19	1	8/27/07	0.78	43	0.22
HANCEVILLE, AL US	8/27/19	1.58	8/27/96	0.75	33	0.83
HOLT LOCK AND DAM, AL US	8/27/19	1.9	8/27/89	0.91	38	0.99
JACKSON, AL US	8/27/19	3.15	8/27/02	0.73	57	2.42
MILLERS FERRY LOCK AND DAM, AL US	8/27/19	0.18	8/27/92	0.15	38	0.03
OPELIKA, AL US	8/27/19	1.3	8/27/77	1.02	62	0.28
WARRIOR LOCK AND DAM, AL US	8/27/19	0.73	8/27/67	0.51	61	0.22
JACKSON, AL US	8/28/19	1.17	8/28/07	1.07	57	0.1
SYLACAUGA 4 NE, AL US	8/28/19	1.51	8/28/86	1.11	64	0.4
CHATOM, AL US	8/29/19	0.9	8/29/70	0.48	69	0.42

## Alabama State Climatologist

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