

The Alabama Climate Report

Brought to you by the Office of the Alabama Climatologist

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Dr. John Christy, Alabama State Climatologist

For most of the state, May gave us two seasons of weather. We were relatively wet and cool in the first half, then very hot and dry in the second. The Memorial Day weekend was a scorcher with temperatures above 90°F from one end of the state to the other. In fact, four stations led by Open Pond near Andalusia hitting 102°F exceeded 100°F. There have been entire years when no station in Alabama reached triple digits, but 2019 did so before the official summer months began.

Overall, the average temperature was 74.3°F, 3.6F above normal and the 7th warmest May of the last 125. Despite two warm Mays in a row, the 125-year temperature trend is still slightly downward. The average daytime maximum was 86.1°F, or +3.1°F warmer than average, while the nights came in at 62.4°F or +4.1°F above the norm. That the night temperatures are warming more (cooling less) than the daytime temperatures is a well-studied feature of weather across the

country. It appears that we humans have built infrastructure around our weather stations which cause the temperature to stay warmer at night than it would otherwise.

Monthly rainfall was almost average, with 3.58" falling on the state, being only -0.66" below the mean. Walnut Hill (NE of Montgomery) recorded the most for the state with 7.74" falling in the raingauge there. The most in one day, according to NOAA, pounded Russellville when 3.70" dropped out of the sky on the 12th.

I'm frequently asked about long-range forecasts. "What kind of summer are we going to have?" is a common question. While there is some skill for the winter time, predictions of summer temperature and especially rainfall are still beyond our reach now. Generally speaking, because our rainfall is so random this time of year, we will have some areas which will be much wetter than average and others much drier. What-falls-where is anybody's guess at this point ... but you can be sure the variability will be high.

Alabama is served by four National Weather Service Offices: Huntsville, Birmingham, Mobile with the six southeastern counties watched by Tallahassee FL. There is a wealth of information provided each month on their local NWS websites and readers here should check them out.

<https://www.weather.gov/hun/>

<https://www.weather.gov/bmx/>

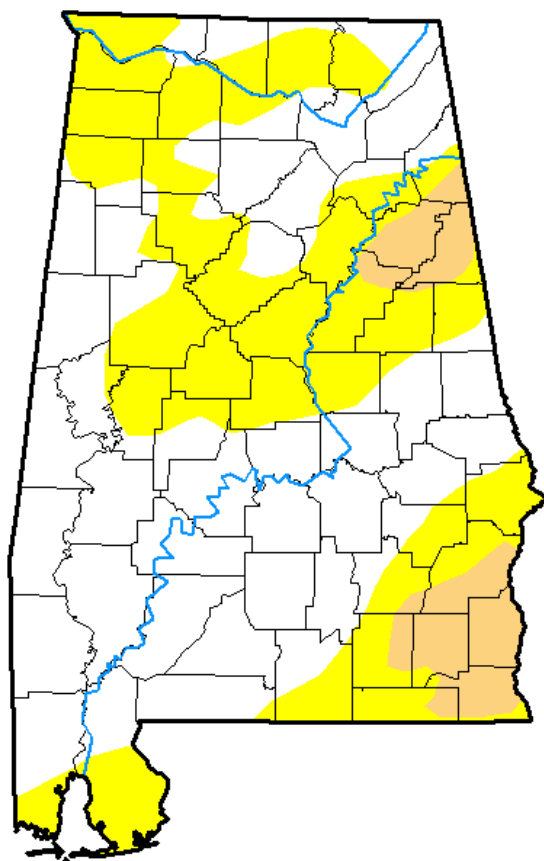
<https://www.weather.gov/mob/>

<https://www.weather.gov/tae/>

John Christy

U.S. Drought Monitor
Alabama

May 28, 2019
(Released Thursday, May. 30, 2019)
Valid 8 a.m. EDT



Intensity:

- 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. See accompanying text summary for forecast statements.

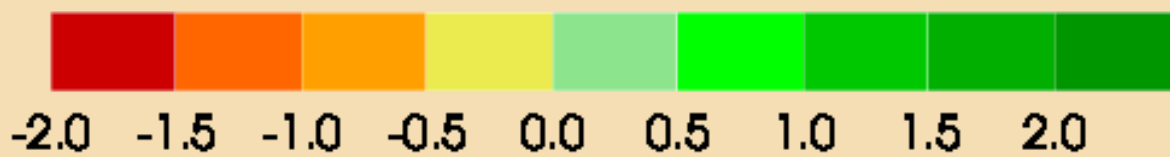
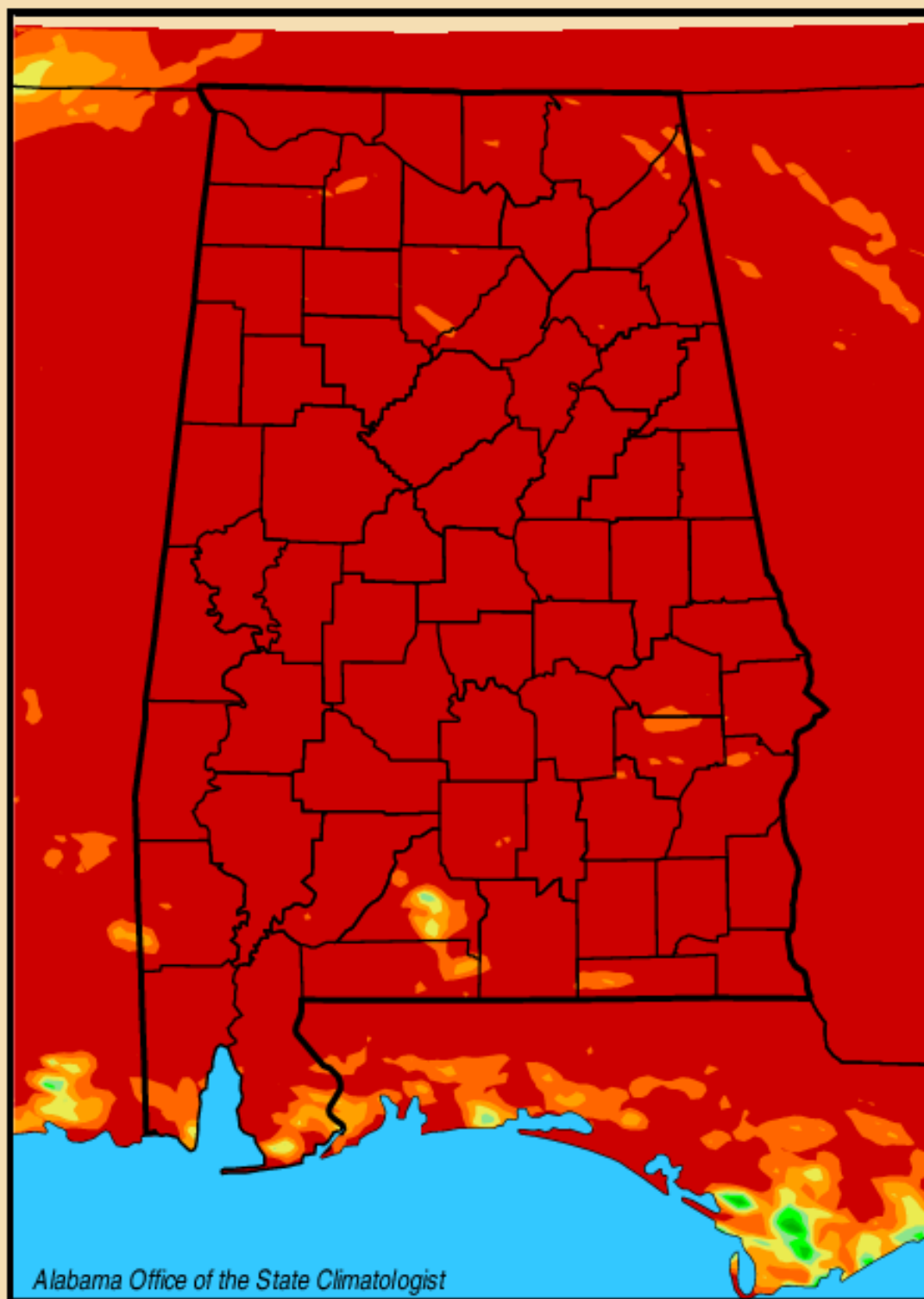
Author:

Richard Heim
NCEI/NOAA



<http://droughtmonitor.unl.edu/>

Lawn-and-Garden Moisture Index for June 5, 2019



Alabama Monthly Climate Summaries

May 2019

	May Mean May Norm	May High Temp Record High	May Low Temp Record Low	Total Precip. Normal Precip.	Wettest May Driest May	Heaviest May Record May
Anniston	73.7 69.4	93 5/26/19 98 5/16/62	48 5/15/19 34 5/13/60	3.30" 4.16"	8.59" 1983 1.81" 1977	1.07" 5/9/19 3.32" 5/19/83
Auburn	75 71.7	93 5/26/19 98 5/27/1911	52 5/15/19 35 5/13/60	5.39" 3.75"	10.33" 1915 .36" 1914	1.47" 5/12/19 4.53" 5/7/15
Birmingham	75.3 70.4	94 5/26/19 99 5/28/62	50 5/14/19 36 5/4/71	4.35" 4.83"	9.57" 1983 .88" 2000	1.18" 5/11/19 3.85" 5/6/67
Brewton	74.2 70.9	94.3 5/26/19 100 5/26/33	52.8 5/15/19 34 5/4/71	4.58" 5.56"	15.97" 1991 .85" 1988	1.59" 5/11/19 5.00+ 5/10/95
Calera	74.5 69.5	93 5/26/19 98 5/21/62	52 5/15/19 31 5/13/60	1.91" 4.02"	9.99" 2003 .34" 1977	1.18" 5/9/19 3.65" 5/12/12
Clanton	72.8 70.5	92.9 5/26/19 99+ 5/31/45	48.8 5/15/19 33 5/13/60	2.62" 4.36"	13.26" 1991 .57" 1977	1.35" 5/9/19 3.75" 5/20/46
Courtland	72.4 M	92.7 5/26/19 M	46.5 5/14/19 M	2.78" M	M M	1.19" 5/9/19 M
Cullman (St. Bernard)	70.2 M	90.5 5/26/19 M	45.5 5/15/19 M	3.85" M	M M	1.50" 5/4/19 M
Decatur (Pryor Field)	73.3 70.2	94 5/26/19 100 3/31/14	48 5/14/19 34 5/2/1909	3.65" 3.87"	8.44" 1907 .15" 1941	.98" 5/5/19 3.50" 5/29/1912
Dothan	78.7 74.6	100 5/26/19 104 5/30/37	54 5/15/19 44 5/5/54	1.67" 3.37"	8.73" 1947 .45" 1962	1.21" 5/12/19 4.10" 5/12/1903
Fairhope	74.8 73.3	91 5/26/19 98 5/27/53	56.8 5/15/19 43 5/13/60	3.00" 5.60"	13.75" 1991 .31" 1988	1.59" 5/12/19 6.54" 5/20/81
Gadsden	69.9 68.4	88.5 5/26/19 99 5/24/70	43.8 5/14/19 33 5/13/60	4.46" 4.59"	7.75" 1973 1.43" 2000	2.12" 5/4/19 3.22" 5/22/67
Gainesville Lock	73.2 70	92.2 5/26/19 97 5/31/77	52.6 5/14/19 38 5/5/86	3.73" 4.43"	12.17" 1978 .12" 2000	1.86" 5/9/19 5.12" 5/1/78
Greensboro	73.2 71.9	91.5 5/26/19 98+ 5/24/96	50.7 5/14/19 37+ 5/10/66	2.31" 4.47"	10.30" 1991 .81" 1992	1.04" 5/9/19 4.10" 5/18/30
Guntersville	M 69.4	M 99 5/17/62	M 36 5/2/63	M 4.47"	8.31" 1973 1.07" 1982	M 4.73" 5/3/97
Highland Home	74.7 70.7	92 5/26/19 98 5/22/62	53.8 5/15/19 40 5/13/81	2.65" 4.05"	9.61" 1976 .44" 2000	1.05" 5/9/19 4.46" 5/4/78
Huntsville	74.7 69.2	96 5/26/19 96 5/20/1960	49 5/14/19 36 5/3/71	3.70" 5.04"	11.88" 1983 .78" 2007	1.61" 5/4/19 4.64" 5/16/80
Mobile	77.3 73.5	96 5/26/19 100+ 5/27/53	58 5/14/19 43 5/13/60	3.86" 6.10"	15.08" 1980 .36" 1996	1.81" 5/11/19 7.96" 5/5/81
Montgomery	76.5 72.3	97 5/26/19 98 5/27/53	54 5/15/19 40 5/4/71	5.09" 4.14"	12.01" 1978 .68" 1995	2.12" 5/12/19 5.23" 5/9/78
Muscle Shoals Airport	74.6 68.8	98 5/26/19 99 5/29/41	49 5/14/19 36+ 5/4/71	4.81" 5.30"	11.86" 1983 1.18" 1987	1.63" 5/8/19 3.32" 5/17/80
Russellville	70.6 66.3	92.2 5/27/19 95+ 5/27/00	42.5 5/14/19 31+ 5/4/76	3.36" 5.87"	18.37" 1991 .62" 1987	1.30" 5/9/19 6.10" 5/8/84
Scottsboro	70.7 68.1	91.6 5/26/19 97 5/29/41	45.8 5/14/19 32 5/4/71	3.88" 5.02"	9.81" 1983 1.27" 1992	1.46" 5/4/19 5.00" 5/3/97
Selma	73.3 71.8	92.4 5/26/19 100 5/27/53	50.9 5/14/19 40 5/7/44	4.24" 3.71"	9.01" 1991 .10" 1977	1.76" 5/9/19 3.40" 5/4/57
Talladega	73.3 70	94.4 5/27/19 96+ 5/25/96	47.2 5/15/19 32 5/4/71	1.82" 4.71"	11.72" 1983 1.55" 1995	.68" 5/9/19 5.22" 5/19/83
Thomasville	72.8 72.1	92.4 5/26/19 99 5/31/37	49.7 5/6/19 36 5/13/60	2.30" 4.75"	12.04" 1980 .64" 1988	.83" 5/9/19 5.07" 5/1/40
Troy	73.9 71.2	93.9 5/26/19 99 5/30/37	48.6 5/15/19 38 5/4/71	3.20" 3.73"	9.57" 1976 .14" 1977	.70" 5/9/19 4.65" 5/6/53
Tuscaloosa	77.1 71.9	98 5/26/19 98 5/31/51	53 5/14/19 36 5/4/76	3.76" 4.55"	11.13" 1976 .44" 2000	1.94" 5/4/19 3.91" 5/1/58
Valley Head	69.1 66.4	89.1 5/26/19 94+ 5/29/62	42.2 5/14/19 29+ 5/4/76	5.14" 4.70"	8.63" 1978 1.08" 1992	2.02" 5/4/19 4.19" 5/3/97

Community Collaborative Rain, Hail and Snow Network (CoCoRAHS)

May 2019

	Ave. Total Precip.	# Stations			Ave. Total Precip.	# Stations
Autauga	2.94	3		Houston	1.52	1
Baldwin	3.28	22		Jackson	4.14	4
Barbour	2.40	1		Jefferson	4.33	15
Bibb	2.07	1		Lamar	6.70	1
Blount	3.70	6		Lauderdale	3.45	8
Bullock	0.00	0		Lawrence	3.78	3
Butler	0.00	0		Lee	4.88	2
Calhoun	1.46	2		Limestone	4.51	6
Chambers	0.00	0		Lowndes	0.00	0
Cherokee	0.00	0		Macon	4.50	1
Chilton	2.74	1		Madison	4.18	17
Choctaw	4.50	1		Marengo	0.00	0
Clarke	3.88	4		Marion	5.60	1
Clay	0.00	0		Marshall	4.39	10
Cleburne	0.00	0		Mobile	4.13	14
Coffee	0.00	0		Monroe	2.83	2
Colbert	4.11	5		Montgomery	4.42	4
Conecuh	0.00	0		Morgan	4.78	6
Coosa	4.17	2		Perry	0.00	0
Covington	0.00	0		Pickens	0.00	0
Crenshaw	0.00	0		Pike	0.00	0
Cullman	4.04	0		Randolph	4.45	2
Dale	1.93	1		Russell	3.58	2
Dallas	2.78	1		St. Clair	3.65	5
DeKalb	4.51	5		Shelby	2.51	15
Elmore	3.13	4		Sumter	0.00	0
Escambia	5.32	2		Talladega	2.79	4
Etowah	0.00	0		Tallapoosa	1.98	1
Fayette	6.28	1		Tuscaloosa	4.18	5
Franklin	0.00	0		Walker	0.00	0
Geneva	2.59	1		Washington	0.00	0
Greene	0.00	0		Wilcox	3.13	2
Hale	0.00	0		Winston	4.30	2
Henry	0.00	0				

Normal May Precipitation*	
Abbeville	3.82
Alberta	3.92
Alex City	4.33
Aliceville	4.60
Andalusia	3.89
Ashland	4.00
Athens	5.16
Bay Minette	5.81
Bessemer	5.04
Billingsly	2.62
Centreville WSMO	4.23
Chatom	5.79
Claiborne L&D	3.97
Clayton	3.60
Dauphin Isl.	4.41
Elba	4.42
Eufaula WR	3.26
Evergreen	4.52
Fayette	4.53
Geneva 2	3.68
Greenville	3.94
Haleyville	6.22
Hamilton 3S	6.30
Heflin	4.95
Hurtsboro	3.63
Jasper	5.35
Lafayette	4.27
Livingston	4.92
Melvin	5.37
Milstead	4.04
Moulton	5.65
Oneonta	4.73
Perryville	3.67
Plantersville	3.95
Rock Mills	3.46
Rockford	4.19
Sylacauga	4.26
Union Springs	4.08
Uniontown	4.13
Vernon	5.58
Warrior L&D	4.26
Wetumpka	3.37

Highest Maximum Temperature Monthly Record						
GENEVA NUMBER 2, AL US	5/26/19	97	5/20/15	97	43	0
HUNTSVILLE INTERNATIONAL	5/26/19	96	5/27/12	96	60	0
TUSCALOOSA AIRPORT ASOS,	5/26/19	98	5/31/51	98	71	0
CLAYTON, AL US	5/27/19	98	5/20/62	98	63	0
GENEVA NUMBER 2, AL US	5/27/19	98	5/26/19	97	43	1
ENTERPRISE 2 W, AL US	5/28/19	100	5/11/11	99	53	1
Highest Maximum Temperature Daily Record						
TUSCALOOSA AIRPORT ASOS,	5/17/19	93	5/17/62	93	71	0
TUSCALOOSA AIRPORT ASOS,	5/21/19	94	5/21/70	94	71	0
ENTERPRISE 2 W, AL US	5/24/19	97	5/24/10	97	53	0
RUSSELLVILLE NUMBER 2, AL	5/24/19	93	5/24/70	91	65	2
MUSCLE SHOALS REGIONAL A	5/24/19	95	5/24/18	93	78	2
ENTERPRISE 2 W, AL US	5/25/19	97	5/25/10	97	53	0
SAND MOUNTAIN SUBSTATIC	5/25/19	90	5/25/96	90	69	0
HUNTSVILLE INTERNATIONAL	5/25/19	95	5/25/60	93	60	2
MOBILE DOWNTOWN AIRPO	5/25/19	95	5/25/53	95	70	0
MONTGOMERY AIRPORT, AL	5/25/19	95	5/25/62	95	71	0
MUSCLE SHOALS REGIONAL A	5/25/19	97	5/25/12	93	78	4
TUSCALOOSA AIRPORT ASOS,	5/25/19	97	5/25/00	95	71	2
ATMORE, AL US	5/26/19	97	5/26/53	96	79	1
BANKHEAD LOCK AND DAM, A	5/26/19	96	5/26/96	96	62	0
BESSEMER 3 WSW, AL US	5/26/19	94	5/26/96	94	42	0
GAINESVILLE LOCK, AL US	5/26/19	94	5/26/65	93	61	1
GENEVA NUMBER 2, AL US	5/26/19	97	5/26/12	95	43	2
RUSSELLVILLE NUMBER 2, AL	5/26/19	94	5/26/12	92	65	2
SYLACAUGA 4 NE, AL US	5/26/19	93	5/26/96	93	64	0
HUNTSVILLE INTERNATIONAL	5/26/19	96	5/26/12	94	60	2
MOBILE REGIONAL AIRPORT,	5/26/19	96	5/26/62	96	71	0
MONTGOMERY AIRPORT, AL	5/26/19	97	5/26/12	96	71	1
MUSCLE SHOALS REGIONAL A	5/26/19	98	5/26/12	97	78	1
TUSCALOOSA AIRPORT ASOS,	5/26/19	98	5/26/12	95	71	3
CLAYTON, AL US	5/27/19	98	5/27/00	95	63	3
GAINESVILLE LOCK, AL US	5/27/19	95	5/27/12	93	61	2
GENEVA NUMBER 2, AL US	5/27/19	98	5/27/12	97	43	1
OPELIKA, AL US	5/27/19	93	5/27/78	93	62	0
RUSSELLVILLE NUMBER 2, AL	5/27/19	94	5/27/12	94	65	0
VERNON, AL US	5/27/19	95	5/27/78	94	62	1
ANNISTON METROPOLITAN A	5/27/19	93	5/27/96	93	116	0

Highest Minimum Temperature Daily Record						
HALEYVILLE, AL US	5/1/19	65	5/1/12	65	116	0
RUSSELLVILLE NUMBER 2, AL	5/1/19	65	5/1/70	65	65	0
BANKHEAD LOCK AND DAM, AL	5/4/19	66	5/4/12	66	62	0
GADSDEN, AL US	5/4/19	65	5/4/90	65	66	0
OPELIKA, AL US	5/4/19	66	5/4/10	65	62	1
SYLACAUGA 4 NE, AL US	5/4/19	65	5/4/10	65	64	0
VERNON, AL US	5/4/19	66	5/4/12	66	62	0
BESSEMER 3 WSW, AL US	5/11/19	66	5/11/02	66	42	0
VERNON, AL US	5/19/19	68	5/19/13	68	62	0
BANKHEAD LOCK AND DAM, AL	5/20/19	68	5/20/18	68	62	0
DAUPHIN ISLAND NUMBER 2, AL	5/20/19	77	5/20/15	76	43	1
BANKHEAD LOCK AND DAM, AL	5/21/19	68	5/21/04	68	62	0
DAUPHIN ISLAND NUMBER 2, AL	5/21/19	78	5/21/10	78	43	0
MOBILE DOWNTOWN AIRPORT, AL	5/21/19	77	5/21/57	76	70	1
MOULTON 2, AL US	5/22/19	68	5/22/77	68	62	0
RUSSELLVILLE NUMBER 2, AL	5/22/19	70	5/22/84	67	65	3
VERNON, AL US	5/22/19	70	5/22/74	69	62	1
TUSCALOOSA AIRPORT ASOS, AL	5/28/19	73	5/28/91	73	71	0
MOULTON 2, AL US	5/29/19	70	5/29/18	70	62	0
RUSSELLVILLE NUMBER 2, AL	5/29/19	70	5/29/18	70	65	0
MUSCLE SHOALS REGIONAL AIRPORT, AL	5/29/19	73	5/29/18	73	78	0
MUSCLE SHOALS REGIONAL AIRPORT, AL	5/30/19	72	5/30/53	72	78	0
DAUPHIN ISLAND NUMBER 2, AL	5/31/19	81	5/31/18	80	43	1
Lowest Minimum Temperature Daily Record						
GAINESVILLE LOCK, AL US	5/8/19	43	5/8/92	44	61	-1
GENEVA NUMBER 2, AL US	5/15/19	49	5/15/13	49	43	0

Highest Precipitation Daily Record

MUSCLE SHOALS REGIONAL A	5/4/19	1.61	5/4/44	1.48	78	0.13
TUSCALOOSA AIRPORT ASOS,	5/4/19	1.94	5/4/58	1.1	71	0.84
BANKHEAD LOCK AND DAM, A	5/5/19	1.79	5/5/95	1.06	62	0.73
GENEVA NUMBER 2, AL US	5/5/19	0.57	5/5/17	0.41	43	0.16
GUNTERSVILLE, AL US	5/5/19	2.8	5/5/91	1.79	114	1.01
HAMILTON 3 S, AL US	5/5/19	1.41	5/5/91	1.06	57	0.35
SAND MOUNTAIN SUBSTATIC	5/5/19	2.13	5/5/13	0.8	70	1.33
SCOTTSBORO, AL US	5/5/19	1.69	5/5/38	1.39	127	0.3
WALNUT GROVE, AL US	5/5/19	1.67	5/5/48	0.94	78	0.73
MOBILE DOWNTOWN AIRPOF	5/9/19	2.88	5/9/61	1.75	70	1.13
MUSCLE SHOALS REGIONAL A	5/9/19	1.53	5/9/89	1.53	78	0
HAMILTON 3 S, AL US	5/10/19	1.12	5/10/02	0.84	57	0.28
OPELIKA, AL US	5/10/19	1.41	5/10/90	1.18	62	0.23
RUSSELLVILLE NUMBER 2, AL	5/10/19	2.11	5/10/94	1.35	65	0.76
VERNON, AL US	5/10/19	2.06	5/10/58	1.8	81	0.26
WALNUT GROVE, AL US	5/10/19	0.54	5/10/09	0.4	78	0.14
WARRIOR LOCK AND DAM, AL	5/10/19	0.9	5/10/90	0.56	61	0.34
CHATOM, AL US	5/11/19	1.05	5/11/79	1.05	69	0
MOBILE DOWNTOWN AIRPOF	5/11/19	1.46	5/11/09	0.88	70	0.58
MOBILE REGIONAL AIRPORT,	5/11/19	1.81	5/11/59	0.94	71	0.87
ALICEVILLE L AND D, AL US	5/12/19	1.86	5/12/93	1.1	39	0.76
ATMORE, AL US	5/12/19	1.4	5/12/46	1.31	79	0.09
BILLINGSLEY, AL US	5/12/19	1.2	5/12/46	1.1	80	0.1
DEMOPOLIS LOCK AND DAM,	5/12/19	1.83	5/12/74	1.56	67	0.27
JACKSON, AL US	5/12/19	1.13	5/12/09	0.87	57	0.26
ONEONTA, AL US	5/12/19	1.44	5/12/73	1.15	124	0.29
OPELIKA, AL US	5/12/19	2.2	5/12/03	0.89	62	1.31
REFORM, AL US	5/12/19	2.6	5/12/45	1.63	81	0.97
RUSSELLVILLE NUMBER 2, AL	5/12/19	3.7	5/12/79	1.67	65	2.03
SAND MOUNTAIN SUBSTATIC	5/12/19	1.36	5/12/66	0.95	70	0.41
MONTGOMERY AIRPORT, AL	5/12/19	2.12	5/12/12	1.58	71	0.54

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