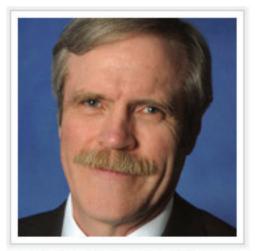


Volume 11, Number 4 :: July 2020



Dr. John Christy, Alabama State Climatologist

For the most part, the month of July was right on par for what we normally see for the state of for Alabama. Only one station set a daily high temperature record (Mobile downtown airport) and no station reported a daily low temperature record. Statewide, the average temperature was slightly above normal by 1.1°F and rainfall was just a touch drier than normal by 0.06 inches.

However, the average does not tell the whole story. Parts of southwest and south-central Alabama were very wet in July with two CoCoRaHS stations exceeding 16 inches of rain for the month! This was due in part to a particularly strong line of thunderstorms that moved across the state from July 12-13th. This storm also produced golf-ball size hail near Loxely, Alabama, the largest recorded in the southeast this month.

On the other hand, the northeast part of Alabama was drier than normal by 1 inch of rainfall or more.

Only four stations broke the 100°F mark this month led by Hodges Farm in Guntersville at 101°F. In general, July either has many stations break the 100°F mark or very few in Alabama. In the past decade, five years (2019, 2016, 2015, 2012, and 2011) had 17 or more stations break 100°F while the other five years (2020, 2018, 2017, 2014, and 2013) had four or less stations break 100°F. This is loosely correlated to the amount and location of the July's rainfall.

With the end of July, we are entering the peak months of the Atlantic hurricane season (August through October). Although, this year has already seen a record-breaking 9 named storms, five of those storms occurred in July. All five storms (Edouard, Fay, Gonzalo, Hanna, and Isaias) set the earliest naming records previously held by the very active 2005 Atlantic hurricane season. This season will be a near-record or record hurricane season in terms of the number of named storms. It is important to be prepared and to stay weather aware for this very active hurricane season.

[Note: with my extra duties as interim Dean of the College of Science and the unexpected demands arising from COVID-19, these monthly reports will be considerably delayed for a while. Thank you for your patience. JRC]

Drought Monitor

U.S. Drought Monitor Alabama

July 28, 2020 (Released Thursday, Jul. 30, 2020) 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

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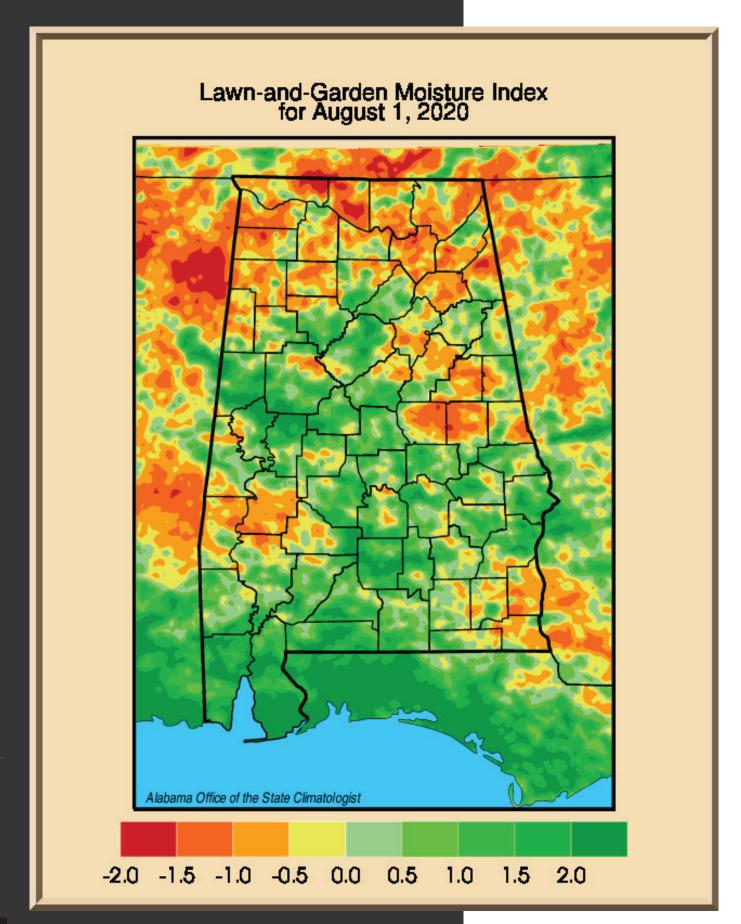






droughtmonitor.unl.edu

Lawn & Garden Index



ы www.nsstc.uah.edu/alclimatereport

Alabama Monthly Climate Summaries

	Alabama Monthly Climate Summaries July 2020								
	July 2020								
	July Mean July Norm	July High Temp Record High	July Low Temp Record Low	Total Precip. Normal Precip.	Wettest July Driest July	Heaviest July Record July			
Anniston	81.4	96 7/20/20	66 7/12/20	2.30"	12.21" 1975	0.42" 7/8/20			
	80.1 81	105 7/13/80 95 7/19/20	50 7/15/67 69 7/13/20	4.49" 5.75"	.79" 1983 15.73" 1916	5.13" 7/7/75 2.53" 7/6/20			
Auburn	79.9	108 7/11/30	52 7/15/67	5.75	1.39" 1914	7.00" 7/10/48			
Dismingham	82.1	96 7/18/20	68 7/13/20	5.39"	10.07" 1985	1.12" 7/12/20			
Birmingham	80.2	107 7/29/30	51 7/15/67	5.09"	.30" 1983	5.47" 7/27/85			
Brewton	78.2	93.4 7/20/20	66.8 7/12/20	10.60"	19.08" 1975	1.87" 7/29/20			
	80.1	106 7/24/52	51 7/15/67	7.04"	1.66" 2000	7.88" 7/31/75			
Calera	81.3 79.3	96 7/17/20 105 7/7/77	69 7/12/20 50 7/15/67	5.28" 5.36"	18.52" 1916 .42" 1983	0.74" 7/12/20 7.00" 7/7/1916			
01	78.8	94.9 7/19/20	66.6 7/12/20	4.80"	13.97" 1971	2.13" 7/21/20			
Clanton	79.2	108+ 7/26/52	53 7/15/67	5.76"	1.29" 1995	7.14" 7/4/40			
Courtland	79.2	92.3 7/18/20	66.6 7/11/20	6.11"	М	1.56" 7/1/20			
	М	М	M	М	M	M			
Cullman (St. Bernard)	77	91.8 7/19/20	65.1 7/14/20	5.23"	М	1.02" 7/12/20			
	M 80	M 94 7/18/20	M 64 7/11/20	4.44" 2.91"	M 10.89" 1958	M 1.28" 7/1/20			
Decatur (Pryor Field)	80.5	107 7/12/1901	38 7/8/34	4.22"	.67" 1962	4.65" 7/16/50			
P. (1	83.6	100 7/20/20	70 7/12/20	3.12"	12.73" 1948	0.83" 7/12/20			
Dothan	81.3	103 7/24/52	57 7/5/1902	5.86"	2.12" 1903	6.73" 7/9/48			
Fairhope	М	М	M	М	13.41" 1985	М			
Танноро	81.5	101 7/16/80	59 7/16/67	8.00"	.82" 1983	14.52" 7/20/97			
Gadsden	76.6	92.1 7/21/20	62.3 7/14/20	1.79"	13.41" 1985	0.85" 7/21/20			
	79.8 79.5	103+ 7/15/66 93.7 7/15/20	52 7/11/63 69.7 7/2/20	4.47" 3.95"	.79" 1980 8.11" 1992	3.36" 7/9/58 1.19" 7/3/20			
Gainesville Lock	80.8	105+ 7/15/80	55 7/15/67	2.91"	.37" 1990	4.12" 8/10/70			
Greenshave	79	94.1 7/18/20	67.7 7/12/20	2.22"	11.03" 1985	0.72" 7/12/20			
Greensboro	81.9	107+ 7/16/80	56 7/23/47	5.38"	1.19" 2000	3.90" 7/18/36			
Guntersville	М	М	M	М	13.09" 1985	М			
2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	79.1	106 7/17/80	47 7/1/70	4.28"	1.26" 1980	6.30" 7/9/46			
Highland Home	M 79.6	M 105 7/15/90	M 54.7/15/67	M 4.03"	10.79" 1994	M			
2075 N 2047A	81.3	105 7/15/80 95 7/19/20	54 7/15/67 67 7/11/20	4.93" 3.32"	1.19" 1978 14.81" 1967	3.15" 7/8/48 1.38" 7/12/20			
Huntsville	79.5	104 7/14/66	53 7/15/67	4.50"	.79" 1983	4.81" 7/5/2001			
Mobile	81	95 7/12/20	68 7/12/20	8.89"	13.14" 1982	1.62" 7/13/20			
Mobile	81.5	104 7/25/52	62+ 7/16/67	6.54"	1.72" 1983	4.21" 7/18/69			
Montgomery	83.4	97 7/19/20	70 7/12/20	9.41"	9.99" 1988	2.01" 7/25/20			
, ,	81.8	105+ 7/25/52	60 7/1/50	5.31"	1.69" 2000	3.84" 7/14/73			
Muscle Shoals Airport	83.1 80.2	98 7/19/20 106+ 6/29/52	69 7/2/20 53+ 6/7/72	4.72" 4.52"	14.40" 1975 .92" 1977	2.06" 7/12/20 5.60" 7/28/72			
	77.3	91.8 7/25/20	63.7 7/11/20	7.51"	10.82" 1994	3.36" 7/1/20			
Russellville	78	103 7/18/80	45 7/8/70	4.65"	1.27" 1978	3.10" 7/24/63			
Scottsboro	77.9	92.5 7/17/20	65.8 7/14/20	3.00"	7.59" 1984	0.74" 7/25/20			
Consport	78.6	109 7/13/30	49+ 7/10/63	4.53"	1.32" 1980	3.43" 7/22/41			
Selma	79.3	94 7/18/20	66 7/12/20	2.94"	8.45" 1994	0.83" 7/1/20			
	81.5 79.3	107+ 7/14/80 95.7 7/20/20	57 7/15/67 65.2 7/13/20	4.28" 3.02"	1.11" 2000 9.11" 1985	3.96" 7/7/94 1.11" 7/12/20			
Talladega	78.2	107+ 7/17/80	51+ 7/6/72	4.75"	1.40" 1991	3.05" 7/8/58			
Thomasville	78.2	93.5 7/21/20	65.9 7/12/20	6.16"	15.91" 1988	1.20" 7/8/20			
THOMASVINE	81.4	107 7/13/30	56 7/15/67	6.05"	.69" 2000	5.52" 7/6/88			
Troy	82.8	97 7/20/20	66 7/12/20	4.73"	15.59" 1994	2.02" 7/20/20			
	80.5	107 7/7/36	56 7/15/67	5.80"	1.66" 2000	4.55" 7/1/64			
Tuscaloosa	83 81.8	97 7/19/20 107 7/24/52	71 7/14/20 54 7/1/50	4.69" 5.00"	12.27" 1997 .72" 1970	0.76" 7/31/20 4.57" 7/21/97			
	75.7	91.1 7/17/20	63.6 7/14/20	3.79"	11.74" 1976	1.29" 7/27/20			
Valley Head	76.2	105+ 7/29/52	45 7/15/67	5.18"	.94" 1987	4.52" 7/5/76			
	, 5.2	100 7720702	10 17 10/01	0.70	.01 1001	1.02 770710			

New Alabama Climate Records

Highest Maximum Temperature Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
ENTERPRISE 2 W, AL US	7/22/20	105	7/21/00	104	54	1
Highest Minimum Temperature Monthly Record						
RUSSELLVILLE NUMBER 2, AL US	7/20/20	84	7/21/18	78	66	6
MOBILE DOWNTOWN AIRPORT, AL US	7/21/20	83	7/15/19	83	71	0
Highest Maximum Temperature Daily Record	= (1 (2.2		= 44 44 5			
MOBILE DOWNTOWN AIRPORT, AL US	7/1/20	97	7/1/12	97	71	0
MOBILE DOWNTOWN AIRPORT, AL US	7/11/20	99	7/11/11	97	71	2
MOBILE DOWNTOWN AIRPORT, ALUS	7/12/20	96	7/12/00	96	71	0
MOBILE DOWNTOWN AIRPORT, AL US	7/17/20	97	7/17/15	97	71	0
ENTERPRISE 2 W, AL US	7/22/20	105 95	7/22/86	99	54 54	6
ENTERPRISE 2 W, AL US	7/27/20	95	7/27/17	95	54	U
Highest Minimum Temperature Daily Record						
ATMORE, AL US	7/1/20	77	7/1/12	75	80	2
BAY MINETTE, AL US	7/1/20	79	7/1/98	78	105	1
DAUPHIN ISLAND NUMBER 2, AL US	7/1/20	83	7/1/11	82	44	1
BRIDGEPORT 5 NW, AL US	7/5/20	71	7/5/18	70	64	1
BRIDGEPORT 5 NW, AL US	7/7/20	72	7/7/03	71	64	1
SAND MOUNT SUBSTATION, AL US	7/7/20	72	7/7/16	72	70	0
BRIDGEPORT 5 NW, AL US	7/8/20	72	7/8/16	71	64	1
CLAYTON, AL US	7/10/20	74	7/10/19	74	64	0
MOBILE DOWNTOWN AIRPORT, AL US	7/10/20	81	7/10/01	79	71	2
ATMORE, AL US	7/11/20	76	7/11/19	76	80	0
BAY MINETTE, AL US	7/15/20	78	7/15/80	78	105	0
JACKSON, AL US	7/15/20	74	7/15/10	74	36	0
BRIDGEPORT 5 NW, AL US	7/18/20	71	7/18/96	71	64	0
DEMOPOLIS LOCK AND DAM, AL US	7/18/20	74	7/18/19	74	68	0
ANNISTON METROPOLITAN AIRPORT, AL US	7/18/20	74	7/18/18	73	117	1
SYLACAUGA 4 NE, AL US	7/19/20	72	7/19/19	72	65	0
VERNON, AL US	7/19/20	74	7/19/19	74	63	0
BIRMINGHAM AIRPORT, AL US	7/19/20	77	7/19/06	77	90	0
HAMILTON 3 S, AL US	7/20/20	72	7/20/15	72	58	0
RUSSELLVILLE NUMBER 2, AL US	7/20/20	84	7/20/15	76	66	8
MONTGOMERY AIRPORT, AL US	7/20/20	77	7/20/11	77	72	0
DAUPHIN ISLAND NUMBER 2, AL US	7/21/20	83	7/21/15	83	44	0
HAMILTON 3 S, AL US	7/21/20	72	7/21/88	72	58	0
MOBILE DOWNTOWN AIRPORT, AL US	7/21/20	83	7/21/18	82	71	1
MOBILE DOWNTOWN AIRPORT, AL US	7/22/20	80	7/22/18	80	71	0
MOBILE DOWNTOWN AIRPORT, AL US	7/24/20	79	7/24/05	78	71	1
BANKHEAD LOCK AND DAM, AL US	7/29/20	77	7/29/11	76	63	1
BREWTON 3 ENE, AL US	7/29/20	73	7/29/18	73	43	0
SYLACAUGA 4 NE, AL US	7/30/20	74	7/30/15	72	65	2
VERNON, AL US	7/30/20	74	7/30/16	74	63	0
MUSCLE SHOALS AIRPORT, AL US	7/30/20	76	7/30/11	76	79	0
BELLE MINA 2 N, AL US	7/31/20	74	7/31/01	72	70	2
HAMILTON 3 S, AL US	7/31/20	73	7/31/11	72	58	1
Lowest Maximum Temperature Daily Record						
DEMOPOLIS LOCK AND DAM, AL US	7/3/20	78	7/3/81	80	68	-2
MOBILE DOWNTOWN AIRPORT, AL US	7/27/20	82	7/27/13	84	71	-2
MOBILE REGIONAL AIRPORT, AL US	7/27/20	79	7/27/13	82	72	-3
ATMORE, AL US	7/28/20	83	7/28/13	83	80	0
FAIRHOPE 2 NE, AL US	7/28/20	80	7/28/54	81	102	-1
JACKSON, AL US	7/29/20	86	7/29/09	86	36	0

New Alabama Climate Records

Lowest Minimum Temperature Daily Record						
GAINESVILLE LOCK, AL US	7/2/20	57	7/2/08	59	62	-2
GENEVA NUMBER 2, AL US	7/12/20	66	7/12/84	66	44	0
MOBILE REGIONAL AIRPORT, AL US	7/12/20	68	7/12/57	68	72	0
FAIRHOPE 2 NE, AL US	7/13/20	63	7/13/72	65	102	-2
Highest Precipitation Daily Record						
HAMILTON 3 S, AL US	7/1/20	1.95	7/1/71	1.25	58	0.7
RUSSELLVILLE NUMBER 2, AL US	7/1/20	2.1	7/1/17	1.56	66	0.54
FAIRHOPE 2 NE, AL US	7/2/20	1.32	7/2/56	1.22	102	0.1
ATMORE, AL US	7/4/20	2.7	7/4/45	0.95	80	1.75
GAINESVILLE LOCK, AL US	7/4/20	1.26	7/4/61	1.14	72	0.12
MUSCLE SHOALS AIRPORT, AL US	7/12/20	2.06	7/12/02	1.75	79	0.31
GENEVA NUMBER 2, AL US	7/13/20	0.92	7/13/08	0.9	44	0.02
GENEVA NUMBER 2, AL US	7/15/20	2.6	7/15/87	1.6	44	1
MOBILE DOWNTOWN AIRPORT, AL US	7/15/20	2.74	7/15/49	1.54	71	1.2
HAMILTON 3 S, AL US	7/22/20	2.47	7/22/09	1.1	58	1.37
GUNTERSVILLE, AL US	7/23/20	1.01	7/23/33	0.94	115	0.07
BREWTON 3 ENE, AL US	7/29/20	1.6	7/29/02	1.46	43	0.14
WETUMPKA, AL US	7/29/20	2.1	7/29/92	2.1	126	0
ALICEVILLE L AND D, AL US	7/30/20	2.86	7/30/92	1.54	40	1.32

The Alabama Climate Report

Volunteer Precipitation Reports (CoCoRAHS)

ooreensnot			 					
		Community Co		w Network (CoCoRAHS)			
			luly 2020					
						Norma		
-	Ave. Total Precip.	# Stations		Ave. Total Precip.	# Stations	Precipit		
Autauga	5.25	1	Houston	6.58	1	Abbeville	e	5.94
Baldwin	10.83	32	Jackson	3.41	4	Alberta		4.95
Barbour	1.49	1	Jefferson	5.01	15	Alex City		5.31
Bibb	4.85	1	Lamar	3.92	1	Aliceville		4.99
Blount	4.84	6	Lauderdale	7.24	10	Andalusi	a	5.30
Bullock	n.a.	0	Lawrence	4.34	4	Ashland		5.11
Butler	4.02	1	Lee	3.61	4	Athens		4.33
Calhoun	4.52	1	Limestone	5.17	8	Bay Mine		8.14
Chambers	n.a.	0	Lowndes	n.a.	0	Besseme		5.07
Cherokee	n.a.	0	Macon	6.39	1	Billingsly		5.52
Chilton	6.08	1	Madison	4.59	23	Centrevi	lle WSM	5.06
Choctaw	7.98	1	Marengo	n.a.	0	Chatom		6.00
Clarke	6.16	4	Marion	4.66	1	Claiborn	e L&D	4.56
Clay	n.a.	0	Marshall	4.42	10	Clayton		5.91
Cleburne	n.a.	0	Mobile	9.89	16	Dauphin	Isl.	6.23
Coffee	n.a.	0	Monroe	6.92	2	Elba		5.96
Colbert	5.84	8	Montgomery	5.14	4	Eufaula V	VR	5.15
Conecuh	6.66	2	Morgan	4.60	6	Evergree	n	6.51
Coosa	6.12	2	Perry	n.a.	0	Fayette		4.20
Covington	8.88	1	Pickens	n.a.	0	Geneva 2	2	5.80
Crenshaw	n.a.	0	Pike	n.a.	0	Greenvil	le	5.79
Cullman	5.30	4	Randolph	5.55	2	Haleyvill	e	5.08
Dale	5.76	1	Russell	6.18	2	Hamilton	1 3 S	4.75
Dallas	4.86	1	St. Clair	4.83	5	Heflin		5.50
DeKalb	4.61	7	Shelby	4.95	14	Hurtsbor	·o	5.47
Elmore	6.71	5	Sumter	n.a.	0	Jasper		5.16
Escambia	8.99	1	Talladega	6.37	4	Lafayette		5.12
Etowah	n.a.	0	Tallapoosa	2.75	1	Livingsto	n	5.43
Fayette	4.13	1	Tuscaloosa	5.90	5	Melvin		2.74
Franklin	n.a.	0	Walker	4.12	1	Milstead		4.94
Geneva	n.a.	0	Washington	5.63	1	Moulton		4.34
Greene	n.a.	0	Wilcox	4.84	2	Oneonta		5.47
Hale	n.a.	0	Winston	4.50	3	Perryville	e	4.44
Henry	n.a.	0				Planters	ville	4.81
_						Rock Mil	ls	5.65
						Rockford		5.40
						Sylacaug		4.85
						Union Sp		5.32
						Unionto		5.08
						Vernon		4.56
						Warrior I	L&D	5.17
						Wetump		4.93
						333311111		

