The Alabama Alaba Alaba

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Dr. John Christy, Alabama State Climatologist

With the start of June, it is officially climatological summer. For Alabama, we can expect hotter temperatures and sporadic rain throughout the summer months. Rainfall was slightly above the long-term average of 5.14 inches by 0.86 inches. However, the big story for this month was how remnants of Hurricane Cristobal dumped large amounts of rain in southwestern Alabama. A personal weather station recorded the most rainfall with a storm total of 10.33 inches in West Mobile. The next highest total was 9.56 inches near Lucedale, Mississippi. Much of this region saw the majority of their monthly rainfall totals over the span of just a few days. More detailed information about Hurricane Cristobal's impacts on Alabama found here: https://www.weather.gov/ mob/cristobal

It is no surprise that stations in southwestern Alabama recorded the highest monthly rainfall within the state. Jackson had the most rainfall this month with 12.16 inches followed by Summerdale with 11.62 inches. Jackson set four daily precipitation records this month as well (3rd, 8th, 9th, and 24th).

For the first 6 months of 2020, Alabama has experienced wetter than normal conditions. In fact, the state saw its 5th wettest January-June period with 10 inches more rainfall than normal. This is wettest the state has been since 1991 during the same January-June period. With a record going back to 1930, Birmingham saw its wettest first half of a year with 20.82 inches more rainfall than normal during that time period. In addition, Huntsville saw its 2nd wettest January-June with 15.60 inches more than normal and Montgomery saw its 8th wettest with 9.28 inches more than normal. Meanwhile, Mobile saw a deficit of 3.61 inches less rainfall than normal

From a statewide temperature point of view, June was smidge below normal by 0.5°F. However, there was quite a difference between average daily high and average daily low temperature departure from normal. The average daily high was 2.1°F below the normal of 89.3°F, while the average daily low was 1.0°F above the normal of 65.7 °F. The main reason for this discrepancy was the increased rainfall seen statewide. This constrained the maximum daily high and minimum daily low temperature. Primarily, the increased clouds limited the daily high temperature (not much solar radiation reaching the surface) and the daily low temperature (more energy trapped at the surface).

Even with the below normal average high temperature, some hotspots still occurred. The hottest temperature recorded this month was in Enterprise where the high was 99°F on June 16th, which was just shy of the record high of 100°F set back in in 1980. On the other end of the temperature spectrum, the coldest spot for the month occurred in goes to Crossville with a low of 49°F recorded on June 1st which is a record for that station.

[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



June 30, 2020 (Released Thursday, Jul. 2, 2020) Valid 8 a.m. EDT

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

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droughtmonitor.unl.edu

Lawn & Garden <mark>Index</mark>



The Alabama Climate Report

Alabama Monthly Climate Summaries

Alabama Monthly Climate Summaries

	June 2020								
	June Mean June Norm	June High Temp Record High	June Low Temp Record Low	Total Precip. Normal Precip.	Wettest June Driest June	Heaviest June Record June			
Anniston	76.3	92 6/29/20	56 6/1/20	3.02"	9.27" 1982	1.23" 6/9/20			
Anniston	76.6	102+ 6/27/54	42 6/1/72	4.14"	.00" 1988	3.60" 6/4/50			
Auburn	76.9	92 6/21/20	58 6/17/20	2.83"	8.64" 1909	0.63" 6/24/20			
	78.3	107 6/19/33	39 6/3/56	4.17"	.57" 1931	3.64" 6/5/28			
Birmingham	78	94 6/29/20	58 6/1/20	4.04"	9.04" 1999	0.92" 6/23/20			
	76.4 76.9	106 6/29/31 92.8 6/30/20	42 6/1/66 60.9 6/17/20	3.78" 5.48"	.79" 1988 13.80" 1989	3.85" 6/23/57 1.70" 6/9/20			
Brewton	77.3	109 6/18/33	40 6/3/56	5.97"	1.90" 1998	6.45" 6/3/70			
0.1	77.5	92 6/30/20	62 6/17/20	2.51"	14.58" 2003	0.51" 6/21/20			
Calera	76	103 6/29/69	37 6/1/66	4.15"	.06" 1902	5.04" 6/12/42			
Clanton	75.3	90.3 6/5/20	58.1 6/1/20	3.68"	11.82" 1991	0.81" 6/8/20			
	76	106 6/19/36	42 6/3/56	4.16"	.69" 1988	7.82" 6/26/91			
Courtland	75	91.2 6/7/20	53.3 6/1/20	5.55"	М	1.26" 6/30/20			
	M 72	M	M	M	M	M			
Cullman (St. Bernard)	73	89.1 6/10/20	50.3 6/1/20	4.32"	10.34.0.02	1.04" 6/24/20			
	M 75.7	M 92 6/20/20	M 54 6/1/20	M 3.71"	M 11.07" 1900	M 1.17" 6/23/20			
Decatur (Pryor Field)	77.9	108 6/10/14	44 6/3/56	3.58"	.20" 1931	3.06" 6/4/34			
- //	81	97 6/20/20	62 6/17/20	3.36"	8.52" 1942	1.57" 6/9/20			
Dothan	80.1	104 6/27/52	49 6/3/56	4.31"	1.10" 1945	3.78" 6/22/49			
Fairhope	78.4	89.9 6/15/20	64.3 6/18/20	7.23"	18.52" 1989	4.28" 6/7/20			
r annope	79.2	100+ 6/11/54	52 6/1/84	5.94"	.71" 1977	7.80" 6/9/89			
Gadsden	72	88.3 6/29/20	49 6/1/20	3.81"	10.30" 1994	0.64" 6/5/20			
	75.8	102 6/27/54	42 6/3/56	4.34"	.13" 1988	3.10" 6/25/99			
Gainesville Lock	76.2 77.2	91.7 6/20/20 101 6/24/77	58 6/16/20 42 6/1/84	6.89" 4.07"	9.56" 1983 .61" 1988	1.87" 6/8/20 3.49" 6/13/87			
	75.8	90.5 6/29/20	57.9 6/12/20	2.64"	10.25" 1999	0.77" 6/8/20			
Greensboro	78.9	105+ 6/29/54	41 6/1/66	3.72"	.66" 1988	5.50" 6/3/70			
Guntersville	М	М	М	М	9.94" 1999	М			
Guntersvine	75.4	103 6/26/88	44 6/4/56	3.85"	.19" 1988	4.20"+ 6/19/76			
Highland Home	75.5	90 6/29/20	57.5 5/17/20	4.11"	12.90" 1983	1.02" 6/10/20			
	76.9	104+ 6/7/85	45 6/1/84	4.70"	1.22" 1971	4.30" 6/3/70			
Huntsville	76.6	94 6/20/20	51 6/1/20	3.79"	14.99" 1989	.84" 6/30/20			
	76.5	101 6/29/69	45 6/1/72	4.10"	.17" 1988	4.46" 6/14/69			
Mobile	79.4 79.3	92 6/30/20 102+ 6/29/54	65 6/11/20 49 6/1/84	9.70" 5.01"	11.00" 1982 1.26" 1977	5.56" 6/7/20 6.08" 6/20/61			
	79.7	94 6/28/20	61 6/17/20	5.82"	14.44" 1989	1.34" 6/8/20			
Montgomery	78.9	105 6/28/54	49+ 6/1/84	4.13"	.33" 1979	3.91" 6/28/57			
Musela Shasla Airmant	77.9	96 6/20/20	57 6/1/20	7.46"	13.43" 1989	2.13" 6/22/20			
Muscle Shoals Airport	76.5	104 6/28/52	44 6/1/72	4.90"	1.03" 1988	5.60" 6/12/92			
Russellville	73.2	89.6 6/20/20	50.3 6/1/20	4.72"	12.71" 1997	0.86" 6/22/20			
	73.7	102 6/28/54	36+ 6/4/69	4.23"	.50" 1988	3.30" 6/8/94			
Scottsboro	73.2	90.2 6/29/20	52.5 6/1/20	8.42"	9.08" 1989	2.49" 6/5/20			
	75.5 76.2	107+ 6/29/31 91.5 6/29/20	39 6/3/56 58.9 6/1/20	4.38" 4.41"	.65" 1988 10.32" 1989	3.72" 6/29/41 1.16" 6/8/20			
Selma	80	108 6/28/54	42 6/1/84	4.41"	.34" 1988	3.65" 6/25/91			
	75	91.5 6/29/20	54.7 6/1/20	4.13	11.97" 1989	1.72" 6/9/20			
Talladega	77	102 6/27/54	39 6/1/72	4.64"	.32" 1988	4.60" 6/22/97			
Thomasville	75.9	90.8 6/28/20	59 6/17/20	6.36"	12.69" 1989	2.09" 6/8/20			
	78.7	108 6/26/30	46+ 6/1/84	4.92"	.93" 1988	3.98" 6/29/43			
Тгоу	76.3	91.9 6/29/20	60.3 6/17/20	4.00"	12.63" 1989	0.74" 6/9/20			
,	77.5	105 6/19/33	43 6/9/00	4.78"	1.04" 1986	4.36" 6/4/70			
Tuscaloosa	78.6	94 6/21/20	59 6/1/20	5.17"	11.98" 1989	1.79" 6/25/20			
	78.7	105 6/28/52	45 6/3/56	4.20"	1.22" 1988	3.41" 6/18/63			
Valley Head	71.2	88.6 6/29/20	50.3 6/1/20	5.59"	9.19" 1976	0.88" 6/5/20			
3.221	72.2	101 6/28/52	35 6/1/66	4.33"	.54" 1988	3.08" 6/10/61			

Highest Minimum Temperature Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
ANNISTON METROPOLITAN AIRPORT, AL US	6/8/20	76	6/20/11	75	117	1
MUSCLE SHOALS AIRPORT, AL US	6/8/20	78	6/1/98	78	79	0
HAMILTON 3 S, AL US	6/9/20	74	6/24/17	74	58	0
HAMILTON 3 S, AL US	6/10/20	74	6/9/20	74	58	0
DAUPHIN ISLAND NUMBER 2, AL US	6/30/20	84	6/24/19	84	44	0
Highest Minimum Temperature Daily Record						
BIRMINGHAM AIRPORT, AL US	6/2/20	73	6/2/11	73	90	0
GADSDEN, AL US	6/5/20	72	6/5/11	72	67	0
ATMORE, AL US	6/7/20	74	6/7/10	74	80	0
ATMORE, AL US	6/8/20	75	6/8/53	74	80	1
BESSEMER 3 WSW, AL US	6/8/20	74	6/8/07	74	43	0
BREWTON 3 ENE, AL US	6/8/20	74	6/8/19	72	43	2
GADSDEN, AL US	6/8/20	74	6/8/07	74	67	0
GUNTERSVILLE, AL US	6/8/20	75	6/8/90	74	110	1
HALEYVILLE, AL US	6/8/20	74	6/8/08	74	117	0
OPELIKA, AL US	6/8/20	71	6/8/81	71	63	0
ROCK MILLS, AL US	6/8/20	72	6/8/19	68	78	4
RUSSELLVILLE NUMBER 2, AL US	6/8/20	74	6/8/07	72	66	2
SYLACAUGA 4 NE, AL US	6/8/20	73	6/8/58	72	65	1
VERNON, AL US	6/8/20	75	6/8/07	74	63	1
HUNTSVILLE INTNL AIRPORT, AL US	6/8/20	75	6/8/08	72	61	3
ANNISTON METROPOLITAN AIRPORT, AL US	6/8/20	76	6/8/08	73	117	3
BIRMINGHAM AIRPORT, AL US	6/8/20	76	6/8/53	75	90	1
MONTGOMERY AIRPORT, AL US	6/8/20	76	6/8/86	75	72	1
MUSCLE SHOALS AIRPORT, AL US	6/8/20	78	6/8/93	74	79	4
TUSCALOOSA AIRPORT ASOS, AL US	6/8/20	76	6/8/19	74	72	2
ATMORE, AL US	6/9/20	75	6/9/98	74	80	1
BANKHEAD LOCK AND DAM, AL US	6/9/20	73	6/9/18	72	63	1
BESSEMER 3 WSW, AL US	6/9/20	75	6/9/02	74	43	1
ENTERPRISE 2 W, AL US	6/9/20	76	6/9/81	76	54	0

GENEVA NUMBER 2, AL US	6/9/20	74	6/9/81	74	44	0
GREENSBORO, AL US	6/9/20	75	6/9/02	75	128	0
GUNTERSVILLE, AL US	6/9/20	75	6/9/90	75	110	0
HAMILTON 3 S, AL US	6/9/20	74	6/9/93	71	58	3
JACKSON, AL US	6/9/20	76	6/9/98	73	36	3
RUSSELLVILLE NUMBER 2, AL US	6/9/20	73	6/9/93	72	66	1
SAND MOUNT SUBSTATION, AL US	6/9/20	72	6/9/53	72	70	0
SYLACAUGA 4 NE, AL US	6/9/20	75	6/9/19	71	65	4
VERNON, AL US	6/9/20	75	6/9/15	72	63	3
HUNTSVILLE INTNL AIRPORT, AL US	6/9/20	75	6/9/19	72	61	3
MOBILE DOWNTOWN AIRPORT, AL US	6/9/20	81	6/9/51	78	71	3
MUSCLE SHOALS AIRPORT, AL US	6/9/20	76	6/9/53	75	79	1
BAY MINETTE, AL US	6/10/20	78	6/10/24	78	105	0
BELLE MINA 2 N, AL US	6/10/20	75	6/10/81	72	70	3
CLAYTON, AL US	6/10/20	72	6/10/10	72	64	0
DEMOPOLIS LOCK AND DAM, AL US	6/10/20	75	6/10/81	74	68	1
GENEVA NUMBER 2, AL US	6/10/20	73	6/10/81	73	44	0
GUNTERSVILLE, AL US	6/10/20	75	6/10/86	75	110	0
HAMILTON 3 S, AL US	6/10/20	74	6/10/98	70	58	4
JACKSON, AL US	6/10/20	75	6/10/14	73	36	2
MOULTON 2, AL US	6/10/20	75	6/10/81	74	63	1
ONEONTA, AL US	6/10/20	73	6/10/81	73	125	0
SAND MOUNT SUBSTATION, AL US	6/10/20	71	6/10/08	71	70	0
SCOTTSBORO, AL US	6/10/20	73	6/10/81	72	128	1
SYLACAUGA 4 NE, AL US	6/10/20	73	6/10/62	72	65	1
VERNON, AL US	6/10/20	75	6/10/81	72	63	3
RUSSELLVILLE NUMBER 2, AL US	6/11/20	74	6/11/98	73	66	1
BAY MINETTE, AL US	6/22/20	76	6/22/09	76	105	0
DAUPHIN ISLAND NUMBER 2, AL US	6/28/20	83	6/28/13	83	44	0
RUSSELLVILLE NUMBER 2, AL US	6/28/20	74	6/28/18	74	66	0
ANNISTON METROPOLITAN AIRPORT, AL US	6/28/20	73	6/28/13	73	117	0
BANKHEAD LOCK AND DAM, AL US	6/29/20	76	6/29/80	75	63	1

JACKSON, AL US	6/29/20	75	6/29/93	75	36	0
RUSSELLVILLE NUMBER 2, AL US	6/29/20	71	6/29/10	71	66	0
BAY MINETTE, AL US	6/30/20	78	6/30/88	78	105	0
DAUPHIN ISLAND NUMBER 2, AL US	6/30/20	84	6/30/91	82	44	2
HAMILTON 3 S, AL US	6/30/20	71	6/30/10	70	58	1
MOBILE DOWNTOWN AIRPORT, AL US	6/30/20	78	6/30/10	78	71	0
Lowest Maximum Temperature Daily Record						
GENEVA NUMBER 2, AL US	6/3/20	76	6/3/76	78	44	-2
MOBILE REGIONAL AIRPORT, AL US	6/7/20	79	6/7/97	79	72	0
JACKSON, AL US	6/9/20	79	6/9/96	80	36	-1
BESSEMER 3 WSW, AL US	6/17/20	82	6/17/83	83	43	-1
BELLE MINA 2 N, AL US	6/18/20	78	6/18/74	78	70	0
SAND MOUNT SUBSTATION, AL US	6/18/20	74	6/18/11	74	70	0
SYLACAUGA 4 NE, AL US	6/18/20	78	6/18/61	79	65	-1
HUNTSVILLE INTNL AIRPORT, AL US	6/24/20	75	6/24/74	75	61	0
TUSCALOOSA AIRPORT ASOS, AL US	6/24/20	77	6/24/74	78	72	-1
BANKHEAD LOCK AND DAM, AL US	6/25/20	76	6/25/74	76	63	0
BELLE MINA 2 N, AL US	6/25/20	73	6/25/74	78	70	-5
GAINESVILLE LOCK, AL US	6/25/20	76	6/25/74	76	62	0
MOULTON 2, AL US	6/25/20	75	6/25/04	77	63	-2
SYLACAUGA 4 NE, AL US	6/25/20	79	6/25/61	79	65	0
BELLE MINA 2 N, AL US	6/27/20	73	6/27/91	74	70	-1
GUNTERSVILLE, AL US	6/27/20	73	6/27/91	77	110	-4
MOULTON 2, AL US	6/27/20	74	6/27/14	77	63	-3

Highest Precipitation Daily Record						
JACKSON, AL US	6/3/20	2.11	6/3/62	1.15	58	0.96
BILLINGSLEY, AL US	6/6/20	1.32	6/6/17	1.2	81	0.12
MOBILE REGIONAL AIRPORT, AL US	6/7/20	5.56	6/7/73	3.17	72	2.39
ATMORE, AL US	6/8/20	2.1	6/8/14	2.05	80	0.05
FAIRHOPE 2 NE, AL US	6/8/20	4.61	6/8/59	3.2	102	1.41
JACKSON, AL US	6/8/20	2.4	6/8/78	2	58	0.4
ROBERTSDALE, AL US	6/8/20	4.76	6/8/18	2.92	108	1.84
GAINESVILLE LOCK, AL US	6/9/20	1.34	6/9/92	0.83	72	0.51
HOLT LOCK AND DAM, AL US	6/9/20	1.21	6/9/89	1.04	39	0.17
JACKSON, AL US	6/9/20	1.8	6/9/62	0.96	58	0.84
WALNUT GROVE, AL US	6/9/20	1.17	6/9/05	0.8	79	0.37
JACKSONVILLE, AL US	6/10/20	1.29	6/10/92	0.94	72	0.35
CENTREVILLE 2.9 SW, AL US	6/10/20	1.27	6/10/85	0.96	45	0.31
OPELIKA, AL US	6/11/20	1.2	6/11/12	1.18	63	0.02
HALEYVILLE, AL US	6/23/20	1.25	6/23/84	1.25	117	0
MOULTON 2, AL US	6/23/20	0.91	6/23/11	0.74	63	0.17
TALLAPOOSA WATER PLANT, AL US	6/23/20	2.1	6/23/99	1.26	42	0.84
JACKSON, AL US	6/24/20	2	6/24/99	1.96	58	0.04
GAINESVILLE LOCK, AL US	6/25/20	2.61	6/25/99	2.05	72	0.56
TUSCALOOSA OLIVER DAM, AL US	6/26/20	2.11	6/26/91	1.97	120	0.14
RUSSELLVILLE NUMBER 2, AL US	6/27/20	1.85	6/27/56	1.57	66	0.28

Volunteer Precipitation Reports (CoCoRAHS)

		Community Co	llaborative Rain, Hail and Sr	now Network (CoCoRAHS	5)		
			June 2020				
	Ave. Total Precip.	#Stations		Ave. Total Precip.	#Stations	Normal June Precipitation*	
Autauga	11.00	1	Houston	2.37	2	Abbeville	5.20
Baldwin	7.44	33	Jackson	7.11	4	Alberta	4.36
Barbour	5.55	1	Jefferson	5.55	15	Alex City	4.45
Bibb	4.70	1	Lamar	5.40	1	Aliceville	4.88
Blount	4.22	6	Lauderdale	5.90	10	Andalusia	5.30
Bullock	n.a.	0	Lawrence	5.11	4	Ashland	4.35
Butler	3.37	1	Lee	5.22	4	Athens	4.69
Calhoun	6.37	1	Limestone	5.83	8	Bay Minette	6.46
Chambers	n.a.	0	Lowndes	n.a.	0	Bessemer	4.51
Cherokee	n.a.	0	Macon	5.08	1	Billingsly	3.39
Chilton	4.63	1	Madison	5.22	21	Centreville WSM	4.28
Choctaw	6.17	1	Marengo	n.a.	0	Chatom	4.71
Clarke	7.78	4	Marion	4.28	2	Claiborne L&D	4.10
Clay	n.a.	0	Marshall	4.61	10	Clayton	5.08
Cleburne	n.a.	0	Mobile	9.12	16	Dauphin Isl.	5.14
Coffee	n.a.	0	Monroe	5.93	2	Elba	5.70
Colbert	7.44	8	Montgomery	5.57	4	Eufaula WR	4.60
Conecuh	7.59	2	Morgan	4.75	7	Evergreen	5.52
Coosa	4.25	2	Perry	n.a.	0	Fayette	4.92
Covington	5.75	1	Pickens	n.a.	0	Geneva 2	5.79
Crenshaw	n.a.	0	Pike	n.a.	0	Greenville	5.00
Cullman	4.11	4	Randolph	8.83	2	Haleyville	4.83
Dale	6.01	1	Russell	5.89	2	Hamilton 3S	4.95
Dallas	7.23	1	St. Clair	5.48	5	Heflin	4.31
DeKalb	4.00	7	Shelby	3.63	14	Hurtsboro	3.49
Elmore	5.79	5	Sumter	n.a.	0	Jasper	4.87
Escambia	3.74	2	Talladega	5.62	4	Lafayette	4.18
Etowah	n.a.	0	Tallapoosa	7.00	1	Livingston	4.48
Fayette	6.07	1	Tuscaloosa	5.29	5	Melvin	1.73
Franklin	n.a.	0	Walker	4.77	1	Milstead	4.34
Geneva	n.a.	0	Washington	9.43	1	Moulton	4.40
Greene	n.a.	0	Wilcox	7.02	2	Oneonta	4.67
Hale	n.a.	0	Winston	5.62	3	Perryville	4.08
Henry	n.a.	0				Plantersville	3.95
						Rock Mills	5.46
						Rockford	3.82
						Sylacauga	4.25
						Union Springs	5.22
						Uniontown	3.81
						Vernon	4.53
						Warrior L&D	4.07
						Wetumpka	4.22

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