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**FEBRUARY 2022** 



# The Alabama Climate Report

# Volume 13, Number 11:: February 2022



February presented quite the disparity in terms of rainfall. The northern half of the state experienced above normal rainfall, with numerous stations recording their top 20 wettest February. On the other hand, the southern half of the state was drier than normal, with many stations recording less than 2 inches of rainfall for the month of February.

As stated earlier, northern Alabama endured a wet February with 35 stations recording above 9 inches of rainfall, peaking at 12.26 inches at a station in Crossville. However, as one travels further south, the rainfall totals drop off considerably in southeast Alabama and the coastal counties. A station in Geneva recorded the driest location of the month with only 1.08 inches of rainfall. While there was quite the difference in rainfall across the state, as a whole, the state of Alabama recorded wetter than normal conditions at 0.27 inches above normal, officially breaking the three month dry streak.

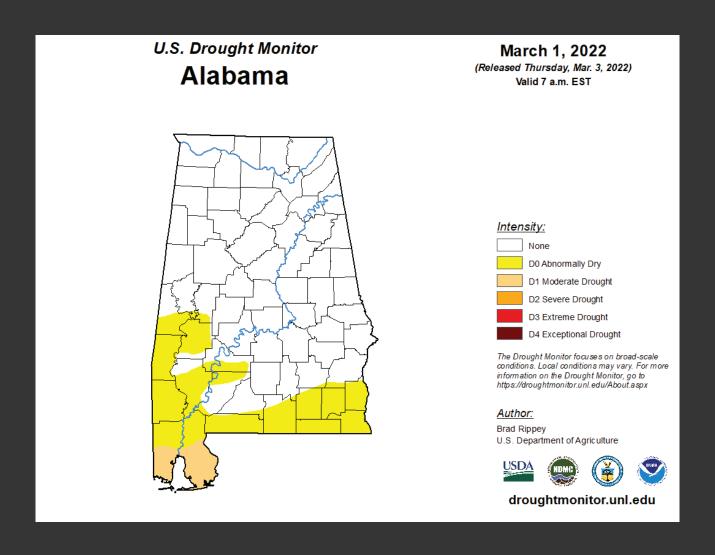
Unlike rainfall, temperature was warmer than normal equally across the state. February's monthly average temperature was 2.3°F warmer than the long-term average of 48°F. Much of Alabama recorded unseasonably warm temperatures from the 22nd through the 25th, with many stations reporting temperatures 15 degrees or more above than normal. The Andalusia Opp airport recorded the warmest location of month at 89°F on the 23rd. In contrast, February's coldest location was a tie between stations in Russellville and Lexington at 17°F.

With the conclusion of climatological winter (December, January, February), let's take a look back at how Alabama faired this winter. Statewide, this winter was the 15th warmest winter on record, with an average temperature of 50.3°F which is 3.8°F warmer than normal. From a precipitation perspective, this winter was exactly halfway between the number of wet and dry years within the 128 years of observations with 14.87 inches of rainfall, which is 0.65 inches drier than normal. Snow was observed a few times this winter (and some in March) with winter totals of greater than 5 inches reported across North Alabama peaking with a station south of Gurley on Keel Mountain which reported 10.5 inches in January.

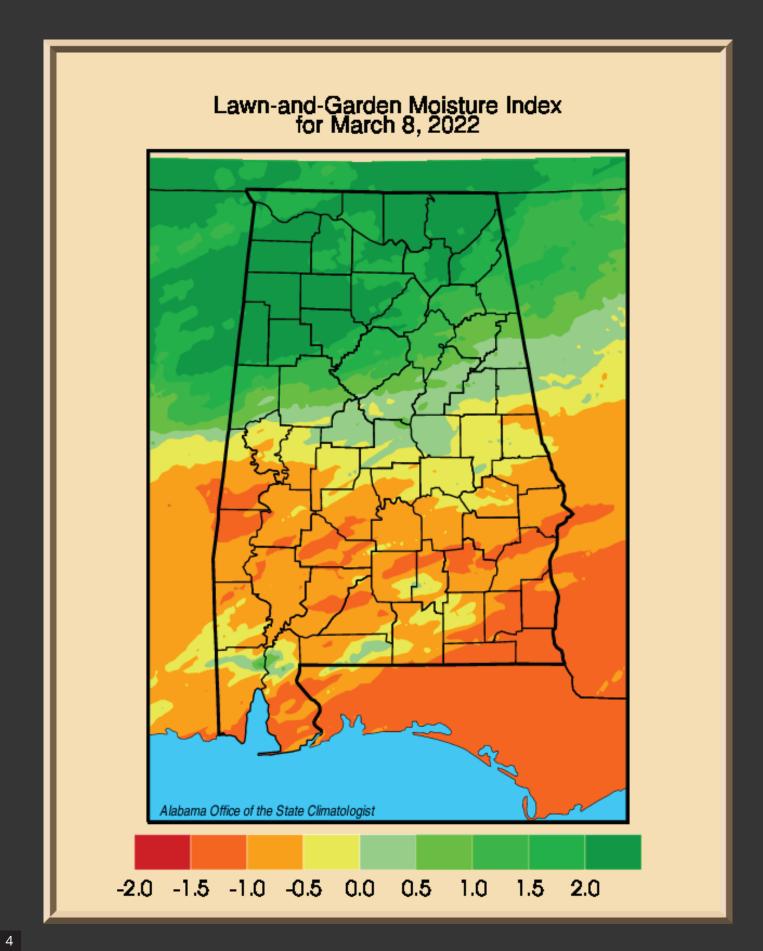
The most remarkable feature of this winter was the prominent La Niña, a weather pattern that affects global circulation, that impacted Alabama with wetter conditions in the north and drier conditions in the south, mainly due to storm tracks favoring north Alabama more so than south Alabama.

Monthly summaries are provided by Drs. Rob Junod and John Christy.

# DROUGHT MONITOR



## LAWN AND GARDEN



## ALABAMA MONTHLY CLIMATE SUMMARIES

Alabama Monthly Climate Summaries								
	February 2022							
	Feb. Mean	Feb. High Temp	Feb. Low Temp	Total Precip. Normal	Wettest Feb. Driest	Heaviest Day		
	Feb. Norm	Record High	Record Low	Precip.	Feb.	Record Day		
Anniston	62.5	78 2/23/22	23 2/14/22	5.46"	8.99" 1990	1.75" 2/3/22		
	47.3	84+ 2/23/96	4 2/17/58	4.80"	1.19" 1978	3.40" 2/2/82		
Auburn	M 49.9	M	M 7 2/3/17	M 5.27"	17.61" 1961	M 7.83" 2/25/61		
	62	82 2/14/62 77 2/22/22	25 2/5/22	6.79"	1.50" 1943 9.28" 1971	1.84" 2/17/22		
Birmingham	46.8	83+ 2/23/96	3 2/17/58	4.21"	1.31" 1978	5.46" 2/21/61		
	52.2	81.8 2/23/22	26.1 2/14/22	4.95"	12.55" 1991	3.28" 2/3/22		
Brewton	51	87 2/13/62	11+ 2/4/70	5.67"	1.45" 1980	8.18" 2/11/81		
Calera	51.4	78 2/22/22	28 2/5/22	6.28"	15.62" 1961	2.14" 2/2/22		
Calera	46.5	85 2/13/62	4 2/10/79	5.32"	.61" 1968	5.55" 2/3/36		
Clanton	64.8	80 2/23/22	23 2/6/22	5.58"	13.48" 1972	2.38" 2/4/22		
Courtland	46.6	84 2/14/62	5 2/5/96	5.48"	2.27" 2000	4.87" 2/4/36		
Courtland	44	72.6 2/17/22	19.4 2/5/22	6.82"	M	2.02" 2/22/22		
	M 57.6	M	M	M	M	M		
Cullman (St. Bernard)	57.6	71 2/23/22	22 2/5/22	10.52"	M	1.94" 2/4/22		
(======================================	M 43.9	M 71 2/17/22	M 19 2/6/22	M 6.58"	M 12.16" 1939	M 1.65" 2/22/22		
Decatur (Pryor Field)	43.9	83 2/14/62	-12 2/13/1899	4.88"	.79" 1968	3.86" 2/1/51		
	65.8	84 2/23/22	31 2/14/22	1.62"	10.36" 1939	1.13" 2/4/22		
Dothan	53.5	84 2/25/44	12 2/3/51	4.80"	.93" 1951	4.26" 2/9/37		
Fairhope	64.4	76 2/17/22	29 2/6/22	1.71"	16.33" 1998	.69" 2/3/22		
Fairnope	53.1	87 2/19/82	3 2/3/51	5.47"	.82" 1999	8.61" 2/11/81		
Gadsden	61.9	73 2/23/22	25 2/5/22	7.99"	9.01" 1996	2.15" 2/15/22		
Gausten	44.1	82 2/13/62	1 2/1/66	4.91"	.71" 1978	4.75" 2/21/61		
Gainesville Lock	61.7	81 2/23/22	25 2/6/22	4.92"	11.00" 1983	1.48"2/4/22		
Gainesville Lock	47.2	87 2/14/62	9+ 2/6/96	4.99"	1.55" 2000	5.36" 2/16/90		
Greensboro	61.3							
	50 M	79 2/23/22 21 2/14/22 5.40" 12.72" 1990 2.16" 2/4/22 87 2/13/62 7 2/4/96 5.37" 1.64" 2000 5.18" 2/21/61 M M M 10.84" 1990 M						
Guntersville	43.5	82 2/13/62	-2 2/17/58	5.01"	.39" 1978	5.57" 2/11/94		
	52.9	78.9 2/23/22	28.4 2/5/22	6.02"	10.78" 1975	4.98" 2/3/22		
Highland Home	49.4	86 2/19/56	7+ 2/6/96	5.35"	1.20" 1980	5.33" 2/17/75		
Heretevely	57.5	71 2/17/22	21 2/13/22	8.51"	10.14" 1994	1.72" 2/3/22		
Huntsville	43.8	83 2/23/96	1 2/4/96	4.70"	.59" 1978	4.04" 2/10/94		
Mobile	66.1	82 2/23/22	27 2/14/22	2.62"	11.89" 1983	1.02" 2/2/22		
MODILE	53.5	84 2/13/62	11+ 2/5/96	5.10"	1.09" 1999	5.37" 2/10/81		
Montgomery	53.5 84 2/13/62 66.2 82 2/22/22		27 2/14/22	5.73"	9.87" 1982	3.18" 2/3/22		
	50.5	85 2/13/62	10+ 2/5/96	5.45"	1.11" 1999	5.54" 2/24/61		
Muscle Shoals Airport	58.4	75 2/22/22	22 2/13/22	7.59	10.74" 1991	2.22" 2/22/22		
	44.6	83 2/13/62	-2 2/18/58 18 2/5/22	4.46"	.51" 1978	5.03" 2/12/48		
Russellville	55.5 42.5	74 2/23/22 84 2/24/96	18 2/5/22 -12+ 2/19/58	8.00" 4.81"	11.28" 1989 .98" 1972	2.95" 2/23/22 6.75" 2/19/91		
	58.6	72 2/18/22	23 2/14/22	8.12"	9.60" 1990	2.48" 2/23/22		
Scottsboro	43	82 2/15/89	-8 2/1/66	5.22"	.77" 1978	4.10" 2/16/95		
	64.7	83 2/23/22	26 2/5/22	5.61"	9.97" 1982	2.42" 2/4/22		
Selma	50.5	85 2/27/62	9 2/3/51	4.87"	1.54" 2000	5.31" 2/3/82		
Talladaga	60.8	78 2/23/22	21 2/5/22	6.91"	14.37" 1929	2.55" 2/3/22		
Talladega	44.9	84+ 2/26/77	2 2/18/58	5.11"	1.20" 1978	4.51" 2/21/61		
Thomasville	50.5 85 2/27/62 9 2/3/51 4.87" 1.54" 2000 5.31" 2/3/82   60.8 78 2/23/22 21 2/5/22 6.91" 14.37" 1929 2.55" 2/3/22   44.9 84+ 2/26/77 2 2/18/58 5.11" 1.20" 1978 4.51" 2/21/61   50.2 81 2/23/22 25 2/6/22 6.55" 14.37" 1929 4.17" 2/3/22	4.17" 2/3/22						
1.1.311140 11110						7.15" 2/11/1897		
Troy	52.2	80.5 2/23/22	25 2/14/22	3.87"	10.87" 1975	2.18"2/4/22		
-	50.3	85+ 2/17/01	10+ 2/6/96	4.83"	.93" 2000	5.60" 1/11/81		
Tuscaloosa	63.4	80 2/22/22	24/2/6/22	6.57"	15.49" 2020	1.62" 2/17/22		
	49.8 44.2	86 2/13/62 68.5 2/23/22	5 2/2/51 18.7 2/14/22	5.07" 7.44"	1.73" 1978 14.73" 1990	5.44" 1/21/61		
Valley Head	44.2	80 2/14/62	-12+ 1/19/58	5.62"	.74" 1978	2.07" 2/23/22 7.39" 2/16/90		
	+0.0	00 2/14/02	-12: 1/19/30	0.02	.17 1870	1.00 2/10/90		

# NEW ALABAMA CLIMATE RECORDS

Highest Maximum Temperature Monthly Record						
STATION	DATE	RECORD	PREV. DATE	PREV. RECORD	NUMBER OF YEARS	DIFFERENCE
ATMORE, AL US	2/24/22	86	2/10/59	85	82	1
ENTERPRISE 4 W, AL US	2/24/22	84	2/10/39	84	56	0
GENEVA NUMBER 2, AL US	2/24/22	84	2/25/19	84		0
GENEVA NOWIBER 2, AL 03	2/24/22	04	2/23/19	04	40	U
Highest Maximum Temperature Daily Record						
EUFAULA WILDLIFE REF, AL US	2/9/22	78	2/9/01	77	55	1
ONEONTA, AL US	2/10/22	77	2/10/65	76	127	1
ONEONTA, AL US	2/11/22	78	2/11/54	78	127	0
DOTHAN REGIONAL AIRPORT, AL US	2/22/22	83	2/22/18	83	52	0
MOBILE REGIONAL AIRPORT, AL US	2/22/22	81	2/22/18	81	74	0
MUSCLE SHOALS AIRPORT, AL US	2/22/22	75	2/22/85	75	81	0
DAUPHIN ISLAND NUMBER 2, AL US	2/23/22	74	2/23/18	72	46	2
GENEVA NUMBER 2, AL US	2/23/22	81	2/23/18	81	46	0
MOBILE DOWNTOWN AIRPORT, AL US	2/23/22	78	2/23/18	78	73	0
MOBILE REGIONAL AIRPORT, AL US	2/23/22	82	2/23/80	81	74	1
ATMORE, AL US	2/24/22	86	2/24/18	84	82	2
BAY MINETTE, AL US	2/24/22	83	2/24/27	82	107	1
ENTERPRISE 4 W, AL US	2/24/22	84	2/24/27	81	56	3
GENEVA NUMBER 2, AL US	2/24/22	84	2/24/19	84	46	0
JACKSON, AL US	2/24/22	83	2/24/11	81	38	2
DAUPHIN ISLAND NUMBER 2, AL US	2/25/22	74	2/25/96	74		0
DAOF HIN ISLAND NOWIBER 2, AL 03	2/23/22	/4	2/23/90	/4	40	0
Highest Minimum Temperature Daily Record						
ONEONTA, AL US	2/17/22	54	2/17/81	52	127	2
RUSSELLVILLE NUMBER 2, AL US	2/17/22	56	2/17/76	55	68	1
CHILDERSBURG WATER PLANT, AL US	2/23/22	66	2/23/12	62	65	4
HEFLIN, AL US	2/23/22	57	2/23/12	56	66	1
MONTGOMERY AIRPORT, AL US	2/24/22	66	2/24/18	62	74	4
ATMORE, AL US	2/25/22	66	2/25/44	66	82	0
DAUPHIN ISLAND NUMBER 2, AL US	2/25/22	65	2/25/01	65	46	0
ROCK MILLS, AL US	2/25/22	57	2/25/11	55	80	2
NOCK WILLS, AL 03	2/23/22	37	2/23/11		80	2
Lowest Maximum Temperature Daily Record						
GREENSBORO, AL US	2/5/22	35	2/5/23	39	130	-4
JACKSON, AL US	2/5/22	39	2/5/23	41	38	-2
MOULTON 2, AL US	2/5/22	30	2/5/09	0	65	-2
INIOUETON 2, AL US	2/3/22	30	2/3/03		05	-2
Lowest Minimum Temperature Daily Record						
GENEVA NUMBER 2, AL US	2/15/22	24	2/15/08	24	46	0
GENEVA NONBER 2, AL 03	2/13/22	24	2/15/00	24	40	0
Highest Precipitation Daily Record						
MONTGOMERY AIRPORT, AL US	2/3/22	3.18	2/3/88	2.16	74	1.02
BANKHEAD LOCK AND DAM, AL US	2/4/22	2.3	2/4/98	2.2		0.1
CALERA, AL US	2/4/22	3.25	2/4/18	2.37		0.88
CHILDERSBURG WATER PLANT, AL US	2/4/22	2.7	2/4/75	2.48		0.22
DEMOPOLIS LOCK AND DAM, AL US	2/4/22	2.5	2/4/56	1.98		0.52
HEFLIN, AL US	2/4/22	2.64	2/4/18	1.75		0.89
JACKSON, AL US	2/4/22	2.22	2/4/94	1.51		0.71
JACKSONVILLE, AL US	2/4/22	2.02	2/4/90	1.94		0.08
MARION JUNCTION 2 NE, AL US	2/4/22	2.02	2/4/88	1.95		0.14
OPELIKA, AL US	2/4/22	3.13	2/4/98	1.25		1.88
WARRIOR LOCK AND DAM, AL US	2/4/22	3.21	2/4/18	1.96		1.25
BESSEMER 3 WSW, AL US	2/17/22	2.57	2/17/98	1.35		1.22
FAYETTE, AL US	2/17/22	2.68	2/17/95	1.75		0.93
GADSDEN, AL US	2/17/22	2.15	2/17/19	2.09		0.95
BIRMINGHAM AIRPORT, AL US	2/17/22	1.84	2/17/19	1.62		0.06
BANKHEAD LOCK AND DAM, AL US	2/17/22	2.27	2/17/40	2.25		0.02
BOAZ, AL US	2/18/22	2.55	2/18/21	1.86		0.69
	2/18/22	2.33	2/18/20	1.62		0.69
JACKSONVILLE, AL US	2/18/22	1.5	2/18/21	1.19		0.88
SAND MOUNT SUBSTATION, AL US	2/18/22	2.18	2/18/79	1 14		0.18
VERNON, AL US	2/18/22	1.47	2/18/79	1.14		0.33
WALNUT GROVE, AL US	2/18/22	2.78	2/18/21	1.76		1.02
BOAZ, AL US	2/23/22	2.21	2/23/61	1.93		0.28
GUNTERSVILLE, AL US	2/23/22	1.56	2/23/19	1.33	117	0.23

# CoCoRAHS

		Community Co	llaborative Rain, Hail and Sno	ow Network (CoCoRAHS	)		
			February 2022				
	Ave. Total Precip.	# Stations		Ave. Total Precip.	# Stations	Normal Februar	
Autauga	6.35	1	Houston	1.69	3	Precipitation*	<b>y</b>
Baldwin	2.52	31	Jackson	8.49	4	Abbeville	5.12
Barbour	2.42	1	Jefferson	7.33	19	Alberta	5.06
Bibb	5.08	1	Lamar	11.00	1	Alex City	5.12
Blount	9.50	3	Lauderdale	6.70	10	Aliceville	5.18
Bullock	n.a.	0	Lawrence	8.45	3	Andalusia	5.09
Butler	11.60	1	Lee	5.78	3	Ashland	5.63
Calhoun	8.26	2	Limestone	6.36	9	Athens	5.51
Chambers	n.a.	0	Lowndes	n.a.	0	Bay Minette	5.18
Cherokee	n.a.	0	Macon	n.a.	0	Bessemer	4.85
Chilton	5.58	1	Madison	8.15	22	Billingsly	5.24
Choctaw	6.15	1	Marengo	n.a.	0	Centreville WSM0	
Clarke	5.42	3	Marion	9.97	1	Chatom	5.66
Clay	7.01	1	Marshall	8.48	10	Claiborne L&D	4.95
Cleburne	n.a.	0	Mobile	2.39	21	Clayton	4.73
Coffee	n.a.	0	Monroe	6.89	3	Dauphin Isl.	5.37
Colbert	7.96	6	Montgomery	5.54	4	Elba	5.19
Conecuh	n.a.	0	Morgan	8.34	6	Eufaula WR	4.36
Coosa	5.81	1	Perry	n.a.	0	Evergreen	5.57
Covington	4.61	1	Pickens	n.a.	0	Fayette	5.75
Crenshaw	n.a.	0	Pike	n.a.	0	Geneva 2	5.32
Cullman	9.07	3	Randolph	4.41	1	Greenville	5.32
Dale Dallas	n.a. 5.93	0	Russell St. Clair	4.12 8.11	6	Haleyville Hamilton 3S	5.36 5.77
DeKalb	8.78	7	Shelby	6.25	15	Heflin	5.62
Elmore	6.06	4	Sumter	n.a.	0	Hurtsboro	4.52
Escambia	4.79	1	Talladega	6.77	3	Jasper	5.18
Etowah	6.51	3	Tallapoosa	5.33	1	Lafayette	5.55
Fayette	n.a.	0	Tuscaloosa	7.43	5	Livingston	5.07
Franklin	n.a.	0	Walker	10.35	1	Melvin	5.20
Geneva	n.a.	0	Washington	4.19	1	Milstead	5.14
Greene	n.a.	0	Wilcox	5.61	2	Moulton	4.71
Hale	n.a.	0	Winston	9.54	2	Oneonta	5.23
Henry	n.a.	0				Perryville	4.97
-						Plantersville	5.34
						Rock Mills	5.24
						Rockford	5.64
						Sylacauga	5.15
						Union Springs	5.19
						Uniontown	4.88
						Vernon	5.40
						Warrior L&D	5.16
						Wetumpka	5.30

## Alabama State Climatologist

John R. Christy

Alabama State Climatologist

The University of Alabama

in Huntsville

christy@nsstc.uah.edu

256-961-7763

## **Assistant State Climatologist**

Robert Junod

The University of Alabama in Huntsville

rjunod@nsstc.uah.edu

256-961-7743

#### Associate State Climatologist

Lee Ellenburg

The University of Alabama in Huntsville

wleoooo1@uah.edu

256-961-7498

## For questions, please contact:

alabama.climate@nsstc.uah.edu

http://nsstc.uah.edu/alclimatereport