

Summary of Monthly Normals
1991-2020

Current Location: Elev: 640 ft. Lat: 32.9453° N Lon: 85.9481° W
Station: ALEXANDER CITY, AL US USC00010160
Generated on 04/19/2024

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	56.0	32.1	44.1	3.6	4.0	3.7	18.8	11.6	4.6	0.3	0.0	0.0	358.1	413.0	499.0	649.7	0.0	0.0	22.7	0.4	17.8	0.0
02	60.1	35.2	47.7	3.9	4.1	3.8	30.3	19.7	9.1	1.3	0.1	0.0	236.0	281.4	354.8	487.1	0.0	0.0	22.9	0.1	13.0	0.0
03	68.1	41.5	54.8	3.8	3.8	3.6	107.7	79.2	44.9	11.3	1.1	0.3	113.9	147.4	206.2	327.5	0.0	0.0	29.7	0.0	6.2	0.0
04	75.3	48.4	61.8	2.4	3.2	2.6	228.9	181.7	120.2	46.3	8.7	3.5	23.3	36.2	64.6	140.7	0.0	0.1	29.9	0.0	0.6	0.0
05	82.3	57.8	70.1	2.2	2.9	2.3	467.6	406.8	318.4	184.2	77.7	47.2	1.0	2.3	6.9	27.6	0.0	3.0	31.0	0.0	0.0	0.0
06	88.2	66.1	77.1	3.1	1.8	2.2	664.4	604.4	514.4	364.9	220.0	165.9	0.0	0.0	0.0	0.4	0.2	12.3	30.0	0.0	0.0	0.0
07	91.2	69.7	80.5	2.5	1.3	1.7	788.9	726.9	633.9	478.9	324.0	262.4	0.0	0.0	0.0	0.0	0.6	20.5	31.0	0.0	0.0	0.0
08	90.2	68.6	79.4	2.9	1.8	2.1	756.3	694.3	601.3	446.4	292.3	231.6	0.0	0.0	0.0	0.0	0.9	17.5	31.0	0.0	0.0	0.0
09	85.7	62.7	74.2	3.0	2.4	2.3	575.9	516.0	426.6	281.9	152.5	108.5	0.0	0.1	0.7	5.9	0.0	8.2	30.0	0.0	0.0	0.0
10	76.7	50.8	63.7	2.5	3.3	2.3	290.0	238.3	168.6	76.3	23.5	13.0	18.7	29.1	52.3	115.1	0.1	0.4	31.0	0.0	0.3	0.0
11	66.4	40.3	53.4	3.8	3.5	3.3	79.0	55.7	30.9	9.1	1.2	0.2	128.4	165.1	230.3	358.6	0.0	0.0	28.7	0.0	6.9	0.0
12	58.4	34.9	46.6	3.7	4.0	3.7	28.9	18.6	8.7	1.6	0.2	0.1	287.7	339.4	422.5	570.4	0.0	0.0	24.9	0.1	14.6	0.0
Summary	74.9	50.7	62.8	3.1	3.0	2.8	4037	3553	2882	1902	1101	833	1167	1414	1837	2683	1.8	62.0	342.8	0.6	59.4	0.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	5.72	10.6	7.7	3.9	2.1	3.89	5.62	7.05	
02	5.49	10.3	7.3	4.1	2.0	4.21	5.15	5.89	
03	5.64	9.6	7.0	4.0	2.1	3.92	5.15	7.15	
04	4.64	8.6	6.4	3.1	1.5	3.08	4.51	5.97	
05	4.46	8.5	6.4	3.3	1.4	2.82	3.99	5.63	
06	4.76	10.5	8.0	3.4	1.5	3.09	4.23	5.18	
07	5.21	11.2	8.1	3.7	1.5	3.50	4.74	5.66	
08	4.70	10.5	7.5	3.2	1.4	3.03	4.54	6.61	
09	3.64	7.1	4.9	2.5	1.4	2.08	2.79	5.28	
10	2.86	6.5	4.1	2.0	0.9	1.77	2.40	3.05	
11	4.40	7.7	6.0	3.1	1.5	2.94	4.18	5.48	
12	5.47	10.5	7.4	3.9	1.9	3.45	4.78	6.57	
Summary	56.99	111.6	80.8	40.2	19.2	37.78	52.08	69.52	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	0.50	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	0.00	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.20	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.7	0.3	0.2	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	191.7	240.9	465.1	655.6	931.5	1114.4	1253.8	1221.3	1025.9	736.5	405.6	238.9
45	104.7	141.0	323.4	506.8	776.5	964.4	1098.8	1066.3	875.9	582.2	271.7	137.9
50	50.1	71.7	201.5	361.8	621.6	814.4	943.9	911.3	725.9	431.1	159.4	70.3
55	18.8	30.3	107.7	228.9	467.6	664.4	788.9	756.3	575.9	290.0	79.0	28.9
60	4.6	9.1	44.9	120.2	318.4	514.4	633.9	601.3	426.6	168.6	30.9	8.7
Growing Degree Units for Corn (Monthly)												
50/86	127.0	161.2	299.8	421.0	618.6	762.4	857.6	836.5	693.9	477.9	265.2	154.2

Growing Degree Units (Accumulated Monthly)												
40	192	433	898	1553	2485	3599	4853	6074	7100	7837	8242	8481
45	105	246	569	1076	1852	2817	3916	4982	5858	6440	6712	6850
50	50	122	323	685	1307	2121	3065	3976	4702	5133	5293	5363
55	19	49	157	386	853	1518	2307	3063	3639	3929	4008	4037
60	5	14	59	179	497	1012	1646	2247	2673	2842	2873	2882
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	127	288	588	1009	1628	2390	3248	4084	4778	5256	5521	5675

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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