U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

Summary of Monthly Normals 1991-2020

Generated on 03/29/2024

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 671 ft. Lat: 35.0311° N Lon: 85.2014° W
Station: **CHATTANOOGA LOVELL AP, TN US USW00013882**

Temperature (°F)

	Mean						Cooling Degree Days Base (above)						Heating Degree Days Base (above)				Mean Number of Days					
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	51.0	32.4	41.7	3.6	4.3	3.9	11.3	7.2	3.1	0.3	0.0	0.0	423.4	481.4	570.2	722.5	0.0	0.0	17.1	1.4	17.0	0.0
02	55.6	35.6	45.6	4.1	3.7	3.7	18.4	11.7	5.3	0.8	0.0	0.0	281.5	330.9	408.4	544.0	0.0	0.0	19.6	0.4	12.0	0.0
03	64.1	42.2	53.2	4.2	3.6	3.7	83.0	59.9	34.3	10.1	1.1	0.2	140.4	179.2	246.6	377.4	0.0	0.0	28.3	0.0	5.0	0.0
04	73.6	49.9	61.7	2.8	2.7	2.6	229.9	184.1	124.1	49.8	11.8	5.0	27.3	41.6	71.6	147.3	0.0	0.1	29.8	0.0	0.4	0.0
05	81.0	59.0	70.0	2.6	2.9	2.6	466.3	406.0	318.3	185.2	80.7	49.7	1.4	3.0	8.3	30.2	0.0	2.6	31.0	0.0	0.0	0.0
06	87.6	67.3	77.4	2.7	1.7	2.0	673.4	613.4	523.5	374.4	230.4	175.9	0.0	0.0	0.1	1.0	0.1	11.6	30.0	0.0	0.0	0.0
07	90.5	71.0	80.7	2.6	1.6	2.0	798.2	736.2	643.2	488.2	333.3	271.7	0.0	0.0	0.0	0.0	0.6	18.6	31.0	0.0	0.0	0.0
08	89.8	70.2	80.0	3.0	2.2	2.4	774.9	712.9	619.9	464.9	310.7	250.1	0.0	0.0	0.0	0.0	0.7	17.3	31.0	0.0	0.0	0.0
09	84.3	63.6	73.9	3.7	2.5	2.7	568.4	508.7	419.4	275.7	148.5	106.2	0.1	0.2	1.1	7.3	0.2	7.2	30.0	0.0	0.0	0.0
10	74.1	51.4	62.7	2.8	3.0	2.4	263.2	213.8	148.0	65.1	19.6	11.0	23.0	35.6	62.8	134.9	0.1	0.4	30.9	0.0	0.3	0.0
11	62.0	40.3	51.2	4.4	3.2	3.5	53.8	36.9	19.3	5.1	0.4	0.1	169.1	212.2	284.7	420.5	0.0	0.0	27.0	0.0	6.9	0.0
12	53.2	35.3	44.3	4.4	3.8	3.9	17.4	11.4	5.5	1.0	0.0	0.0	350.5	406.6	493.6	644.2	0.0	0.0	20.3	0.5	14.5	0.0
Summary	72.2	51.5	61.9	3.4	2.9	2.9	3958	3502	2864	1921	1136	870	1417	1691	2147	3029	1.7	57.8	326.0	2.3	56.1	0.0

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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	5.02	10.6	7.2	3.3	1.7	3.53	5.14	6.10
02	5.03	11.1	7.0	3.7	1.5	3.01	4.54	6.37
03	5.34	11.4	8.2	3.7	1.6	3.87	4.80	6.57
04	4.87	10.1	7.5	3.4	1.4	3.07	4.20	6.74
05	3.94	10.6	6.9	2.4	1.2	1.99	3.43	5.33
06	4.18	11.4	8.2	2.9	0.9	2.54	4.13	5.48
07	5.08	11.9	7.8	3.5	1.4	3.42	4.61	6.72
08	3.67	9.4	6.4	2.7	0.9	2.77	3.57	4.74
09	4.23	7.9	5.3	2.6	1.2	1.93	3.62	5.92
10	3.59	7.9	4.8	2.4	1.1	1.48	3.50	5.57
11	4.80	9.1	6.4	3.3	1.5	3.51	4.73	5.86
12	5.25	11.3	7.7	3.5	1.7	3.58	4.98	6.58
Summary	55.00	122.7	83.4	37.4	16.1	34.70	51.25	71.98

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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	1.00	0.7	0.3	0.1	0.0	0.0	0.6	0.2	0.1	0.0	0.00	0.00	0.50
02	1.20	1.1	0.4	0.1	0.1	0.0	0.4	0.1	0.1	0.0	0.00	0.20	1.10
03	1.10	0.3	0.2	0.0	0.0	0.0	0.3	0.2	0.2	0.1	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	0.30	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.00	0.00	0.00
Summary	3.6	2.4	1.0	0.2	0.1	0.0	1.5	0.5	0.4	0.1	0.0	0.2	1.6

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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	145.3	195.7	416.1	652.8	930.0	1123.3	1263.1	1239.8	1018.3	705.5	343.0	182.2
45	72.8	106.6	279.2	504.0	775.0	973.4	1108.2	1084.9	868.4	551.5	218.0	96.3
50	30.8	48.4	166.5	360.3	620.1	823.4	953.2	929.9	718.4	401.6	119.3	44.3
55	11.3	18.4	83.0	229.9	466.3	673.4	798.2	774.9	568.4	263.2	53.8	17.4
60	3.1	5.3	34.3	124.1	318.3	523.5	643.2	619.9	419.4	148.0	19.3	5.5
Growing Degree Units for Corn (Monthly)												
50/86	76.7	112.1	243.0	404.0	615.2	776.1	875.6	858.8	690.6	441.3	200.8	93.1

Growing Degree Units (Accumulated Monthly)

40	145	341	757	1410	2340	3463	4726	5966	6984	7690	8033	8215
45	73	179	459	963	1738	2711	3819	4904	5772	6324	6542	6638
50	31	79	246	606	1226	2050	3003	3933	4651	5053	5172	5216
55	11	30	113	343	809	1482	2280	3055	3624	3887	3941	3958
60	3	8	43	167	485	1009	1652	2272	2691	2839	2858	2864
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	77	189	432	836	1451	2227	3103	3962	4652	5093	5294	5387

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

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