

Summary of Monthly Normals
1991-2020

Generated on 05/22/2024

Current Location: Elev: 435 ft. Lat: 31.6164° N Lon: 94.6431° W
Station: **NACOGDOCHES, TX US USC00416177**

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	57.7	36.4	47.1	4.2	3.6	3.6	36.3	25.5	14.5	4.2	0.8	0.4	282.5	333.8	415.8	560.6	0.0	0.0	24.9	0.2	13.1	0.0
02	62.3	39.7	51.0	4.6	3.6	3.9	61.4	44.4	25.7	8.7	2.2	1.1	173.3	212.3	277.7	400.7	0.0	0.0	24.6	0.1	8.0	0.0
03	69.3	46.0	57.6	4.2	4.2	4.0	160.3	123.8	79.2	30.1	6.4	2.9	78.2	103.7	152.0	257.9	0.0	0.0	29.8	0.0	3.3	0.0
04	76.3	53.3	64.8	3.0	3.6	3.1	307.6	255.4	183.4	88.5	30.9	17.6	13.6	21.3	39.4	94.4	0.0	0.9	30.0	0.0	0.2	0.0
05	82.8	63.4	73.1	2.6	2.8	2.4	561.5	500.1	409.4	265.8	141.8	100.6	0.5	1.0	3.3	14.7	0.1	6.4	31.0	0.0	0.0	0.0
06	89.0	71.4	80.2	2.9	1.9	2.0	755.9	695.9	605.9	456.0	306.8	248.3	0.0	0.0	0.0	0.1	1.3	18.8	30.0	0.0	0.0	0.0
07	92.6	73.7	83.2	2.6	1.4	1.8	872.6	810.6	717.6	562.6	407.6	345.6	0.0	0.0	0.0	0.0	4.0	26.7	31.0	0.0	0.0	0.0
08	93.3	73.1	83.2	3.6	1.8	2.5	874.0	812.1	719.1	564.1	409.2	347.7	0.0	0.0	0.0	0.0	6.4	25.6	31.0	0.0	0.0	0.0
09	87.8	66.9	77.4	3.2	2.6	2.4	670.4	610.5	520.7	373.7	235.5	184.3	0.0	0.0	0.3	3.2	1.3	16.4	30.0	0.0	0.0	0.0
10	78.2	55.6	66.9	2.4	3.4	2.1	378.0	322.3	244.6	134.7	60.9	40.8	9.1	15.4	30.7	75.8	0.0	3.1	31.0	0.0	0.1	0.0
11	67.8	44.7	56.3	4.1	3.5	3.4	135.1	104.4	66.4	25.8	7.3	3.8	97.6	126.9	178.9	288.2	0.0	0.0	29.0	0.0	4.5	0.0
12	59.5	37.5	48.5	3.8	3.2	2.9	45.8	32.7	19.0	6.4	1.2	0.5	247.0	296.0	375.4	517.8	0.0	0.0	26.7	0.0	11.6	0.0
Summary	76.4	55.1	65.8	3.4	3.0	2.8	4859	4338	3606	2521	1611	1294	902	1110	1474	2213	13.1	97.9	349.0	0.3	40.8	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	4.46	10.3	6.0	2.7	1.4	2.44	4.35	5.79
02	4.21	9.9	6.4	3.0	1.3	2.32	3.85	6.25
03	4.47	9.7	6.1	3.0	1.5	2.55	4.45	6.67
04	4.01	8.2	5.0	2.7	1.5	2.09	3.89	5.11
05	4.53	9.4	5.9	2.9	1.5	2.71	4.42	6.29
06	4.09	9.2	5.9	2.5	1.0	2.38	3.41	4.75
07	2.88	7.6	4.5	1.8	0.8	0.91	2.97	4.28
08	3.66	7.2	4.8	2.2	1.2	1.01	2.49	4.70
09	4.07	7.6	4.7	2.5	1.1	2.03	3.05	5.67
10	4.34	6.9	4.6	2.5	1.5	1.64	3.26	6.26
11	4.44	8.9	5.9	2.9	1.6	2.19	3.25	5.48
12	4.78	10.6	6.4	3.1	1.3	3.31	4.05	6.10
Summary	49.94	105.5	66.2	31.8	15.7	25.58	43.44	67.35

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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	0.10	0.0	0.0	0.0	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	0.0	0.0	0.0	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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	253.3	322.8	551.2	744.1	1026.1	1205.9	1337.6	1339.1	1120.4	834.1	492.3	286.6
45	149.2	210.2	405.8	594.7	871.1	1055.8	1182.6	1183.9	970.3	679.6	354.4	172.8
50	79.0	121.8	272.6	447.7	716.1	905.8	1027.6	1029.0	820.4	526.1	232.7	94.2
55	36.3	61.4	160.3	307.6	561.5	755.9	872.6	874.0	670.4	378.0	135.1	45.8
60	14.5	25.7	79.2	183.4	409.4	605.9	717.6	719.1	520.7	244.6	66.4	19.0
Growing Degree Units for Corn (Monthly)												
50/86	152.8	201.7	339.3	477.0	701.3	847.8	922.3	910.4	765.6	542.2	306.7	179.4

Growing Degree Units (Accumulated Monthly)												
40	253	576	1127	1871	2898	4103	5441	6780	7900	8735	9227	9514
45	149	359	765	1360	2231	3287	4469	5653	6624	7303	7658	7830
50	79	201	473	921	1637	2543	3571	4600	5420	5946	6179	6273
55	36	98	258	566	1127	1883	2756	3630	4300	4678	4813	4859
60	14	40	119	303	712	1318	2036	2755	3276	3520	3586	3606
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	153	354	694	1171	1872	2720	3642	4553	5318	5860	6167	6346

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