

Summary of Monthly Normals
1991-2020

Generated on 04/23/2024

Current Location: Elev: 4435 ft. Lat: 32.1783° N Lon: 104.4433° W
Station: CARLSBAD CAVERNS, NM US USC00291480

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	33.7	44.9	4.2	3.1	3.3	15.8	8.8	3.0	0.2	0.0	0.0	330.3	385.3	472.5	624.6	0.0	0.0	24.6	1.2	12.0	0.0
02	60.9	36.8	48.8	3.9	3.0	3.2	40.2	26.6	12.8	2.7	0.6	0.4	212.4	254.8	324.9	454.8	0.0	0.0	23.2	1.0	9.0	0.1
03	67.9	42.6	55.2	3.5	2.8	2.8	123.9	93.5	56.4	18.5	3.2	1.2	116.2	147.7	203.6	320.7	0.0	0.0	29.0	0.1	4.2	0.0
04	75.7	49.3	62.5	3.2	2.6	2.7	259.2	212.5	149.0	68.5	22.2	12.4	34.1	47.4	73.9	143.4	0.0	1.3	29.4	0.0	1.2	0.0
05	84.1	58.3	71.2	3.9	2.9	3.3	506.9	447.7	361.3	228.4	120.9	88.2	4.7	7.5	14.1	36.2	0.3	10.2	30.8	0.0	0.1	0.0
06	92.4	65.7	79.1	3.3	2.8	3.0	721.3	661.4	571.5	422.6	278.3	223.9	0.0	0.1	0.3	1.4	5.0	21.7	30.0	0.0	0.0	0.0
07	91.2	67.8	79.5	3.0	2.4	2.5	759.5	697.5	604.5	449.7	296.5	237.4	0.0	0.0	0.0	0.2	2.6	21.5	31.0	0.0	0.0	0.0
08	90.3	66.3	78.3	2.9	2.9	2.7	722.1	660.1	567.1	412.2	260.7	203.3	0.0	0.0	0.0	0.1	1.3	20.4	31.0	0.0	0.0	0.0
09	83.2	60.4	71.8	3.7	2.3	2.8	505.8	447.0	359.9	221.7	104.3	68.1	1.8	3.0	5.8	17.7	0.0	6.8	30.0	0.0	0.0	0.0
10	75.4	52.1	63.8	2.7	2.3	2.2	299.0	247.5	176.5	82.7	24.9	12.4	27.8	38.4	60.3	121.6	0.0	1.1	30.4	0.0	0.6	0.0
11	64.6	41.9	53.2	3.4	3.2	3.1	88.9	64.1	35.5	9.6	1.4	0.4	141.3	176.6	238.0	362.0	0.0	0.0	27.3	0.3	4.0	0.0
12	56.6	35.1	45.9	3.7	3.0	2.9	21.7	13.6	5.5	0.5	0.0	0.0	305.2	359.2	444.0	594.0	0.0	0.0	23.8	0.8	11.6	0.0
Summary	74.9	50.8	62.8	3.4	2.8	2.9	4064	3580	2903	1917	1113	848	1174	1420	1837	2677	9.2	83.0	340.5	3.4	42.7	0.1

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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	0.32	3.7	1.1	0.1	0.0	0.06	0.26	0.45	
02	0.44	2.7	1.3	0.3	0.0	0.05	0.27	0.70	
03	0.57	3.2	1.5	0.3	0.0	0.05	0.26	0.78	
04	0.50	2.3	1.2	0.4	0.0	0.05	0.33	0.72	
05	1.25	3.5	2.4	0.8	0.2	0.11	0.74	2.38	
06	1.16	4.8	3.1	0.7	0.3	0.23	0.80	1.72	
07	2.23	5.6	3.5	1.5	0.5	0.79	1.77	3.26	
08	2.00	6.4	3.8	1.5	0.7	0.80	1.70	2.37	
09	2.93	6.2	3.8	1.6	0.8	1.40	2.53	4.29	
10	1.16	5.1	2.5	0.6	0.2	0.14	0.51	2.13	
11	0.68	3.0	1.6	0.5	0.1	0.10	0.46	0.81	
12	0.55	3.2	1.7	0.3	0.0	0.18	0.34	0.63	
Summary	13.79	49.7	27.5	8.6	2.8	3.96	9.97	20.24	

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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	0.40	0.5	0.2	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.30
02	0.90	0.5	0.3	0.1	0.0	0.0	0.5	0.2	0.0	0.0	0.00	0.00	1.00
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	0.20	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.00	0.00	0.00
12	2.00	0.6	0.4	0.2	0.1	0.0	0.6	0.3	0.0	0.0	0.00	0.00	0.00
Summary	3.5	1.8	1.0	0.5	0.1	0.0	1.5	0.5	0.0	0.0	0.0	0.0	1.3

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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	208.2	279.4	483.5	676.9	967.3	1171.2	1224.5	1187.0	954.0	738.4	412.1	229.0
45	111.1	173.9	343.9	531.1	812.7	1021.3	1069.5	1032.1	804.2	586.7	282.5	129.2
50	48.7	93.2	221.0	389.8	658.7	871.1	914.5	877.0	654.4	438.7	172.5	60.3
55	15.8	40.2	123.9	259.2	506.9	721.3	759.5	722.1	505.8	299.0	88.9	21.7
60	3.0	12.8	56.4	149.0	361.3	571.5	604.5	567.1	359.9	176.5	35.5	5.5
Growing Degree Units for Corn (Monthly)												
50/86	127.0	176.5	303.5	434.2	625.2	761.9	821.4	796.7	634.4	465.1	245.2	136.6

Growing Degree Units (Accumulated Monthly)												
40	208	488	971	1648	2615	3786	5011	6198	7152	7890	8302	8532
45	111	285	629	1160	1973	2994	4064	5096	5900	6486	6769	6898
50	49	142	363	753	1411	2282	3197	4074	4728	5167	5340	5400
55	16	56	180	439	946	1667	2427	3149	3655	3954	4043	4064
60	3	16	72	221	582	1154	1758	2326	2686	2862	2898	2903
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	127	304	607	1041	1666	2428	3250	4046	4681	5146	5391	5528

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

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