

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 8 ft. Lat: 37.7281° N Lon: 122.5053° W
Station: **SAN FRANCISCO OCEANSIDE, CA US USC00047767**

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	59.0	45.7	52.4	2.3	2.5	2.0	16.6	5.9	1.3	0.1	0.0	0.0	98.7	150.0	238.4	392.2	0.0	0.0	30.5	0.0	0.2	0.0
02	60.4	46.6	53.5	3.2	2.2	2.4	27.8	14.8	5.3	0.2	0.0	0.0	69.8	112.8	187.3	322.2	0.0	0.0	27.9	0.0	0.1	0.0
03	60.8	47.9	54.4	2.4	2.2	2.1	36.6	17.9	5.9	0.4	0.0	0.0	56.8	100.0	181.1	330.5	0.0	0.0	31.0	0.0	0.0	0.0
04	60.4	49.1	54.8	2.1	1.6	1.8	35.6	17.3	6.6	0.8	0.1	0.0	43.1	84.8	164.1	308.3	0.0	0.0	30.0	0.0	0.1	0.0
05	59.8	51.0	55.4	2.3	1.7	1.8	40.8	16.8	3.4	0.3	0.0	0.0	28.3	66.4	146.0	297.9	0.0	0.0	31.0	0.0	0.0	0.0
06	60.9	52.7	56.8	1.2	1.5	1.2	62.8	25.3	4.0	0.1	0.0	0.0	8.8	31.4	100.0	246.2	0.0	0.0	30.0	0.0	0.0	0.0
07	61.8	54.3	58.1	1.6	1.4	1.3	97.2	47.4	10.1	0.3	0.0	0.0	2.7	14.8	70.6	215.7	0.0	0.0	31.0	0.0	0.0	0.0
08	63.7	55.4	59.5	2.2	1.6	1.7	142.8	86.8	28.1	3.0	0.5	0.1	1.8	7.8	42.1	172.0	0.0	0.0	31.0	0.0	0.0	0.0
09	65.0	55.3	60.1	2.7	2.0	2.2	156.1	101.3	42.0	7.6	1.1	0.5	1.6	6.9	37.5	153.1	0.0	0.2	30.0	0.0	0.0	0.0
10	66.4	53.2	59.8	2.0	1.4	1.4	153.7	101.8	49.8	14.1	2.2	1.0	5.0	15.0	56.1	175.3	0.0	0.4	31.0	0.0	0.0	0.0
11	63.5	49.5	56.5	2.3	1.9	1.8	73.8	42.1	16.1	2.6	0.1	0.1	28.8	57.1	121.1	257.6	0.0	0.0	30.0	0.0	0.2	0.0
12	59.1	45.8	52.5	1.8	2.0	1.6	17.9	6.5	0.9	0.0	0.0	0.0	96.9	147.5	234.9	389.0	0.0	0.0	30.5	0.0	0.5	0.0
Summary	61.7	50.5	56.2	2.2	1.8	1.8	862	484	174	30	4	2	442	794	1579	3260	0.0	0.6	363.9	0.0	1.1	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	3.94	10.6	6.8	2.5	1.1	1.40	3.12	5.93	
02	4.01	10.7	7.9	2.9	0.9	1.62	3.68	5.42	
03	2.98	10.0	6.3	2.0	0.3	1.17	2.49	4.31	
04	1.37	6.1	3.4	0.8	0.2	0.55	1.27	1.84	
05	0.64	3.5	1.8	0.2	0.1	0.04	0.45	0.84	
06	0.19	1.2	0.4	0.0	0.0	0.00	0.04	0.20	
07	0.01	0.2	0.0	0.0	0.0	0.00	0.00	0.00	
08	0.05	0.5	0.1	0.0	0.0	0.00	0.00	0.02	
09	0.11	0.9	0.3	0.0	0.0	0.00	0.03	0.14	
10	0.90	3.0	1.4	0.5	0.1	0.01	0.51	1.34	
11	2.22	6.9	4.2	1.5	0.4	1.02	1.84	3.19	
12	4.22	12.2	7.6	2.8	1.2	1.94	3.05	6.21	
Summary	20.64	65.8	40.2	13.2	4.3	7.75	16.48	29.44	

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

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

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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
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	0.0	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	382.9	378.0	444.9	442.5	477.4	504.0	559.5	606.0	604.5	613.8	495.0	386.0
45	229.3	238.2	290.0	292.5	322.4	354.0	404.5	451.0	454.5	458.9	345.0	233.0
50	90.8	107.9	140.9	145.1	168.8	204.1	249.6	296.0	304.5	304.5	197.2	94.0
55	16.6	27.8	36.6	35.6	40.8	62.8	97.2	142.8	156.1	153.7	73.8	17.9
60	1.3	5.3	5.9	6.6	3.4	4.0	10.1	28.1	42.0	49.8	16.1	0.9
Growing Degree Units for Corn (Monthly)												
50/86	146.9	152.1	179.1	169.7	179.7	210.2	251.5	298.6	306.3	309.2	224.7	150.1

Growing Degree Units (Accumulated Monthly)												
40	383	761	1206	1648	2126	2630	3189	3795	4400	5014	5508	5894
45	229	468	758	1050	1372	1726	2131	2582	3036	3495	3840	4073
50	91	199	340	485	654	858	1107	1403	1708	2012	2209	2303
55	17	44	81	117	157	220	317	460	616	770	844	862
60	1	7	12	19	22	26	37	65	107	156	173	174
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	147	299	478	648	828	1038	1289	1588	1894	2203	2428	2578

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