

Summary of Monthly Normals
1991-2020

Current Location: Elev: 1075 ft. Lat: 40.7142° N Lon: 122.4161° W
Station: SHASTA DAM, CA US USC00048135
Generated on 04/28/2024

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	55.0	40.5	47.8	3.8	2.2	2.7	8.7	3.9	0.8	0.0	0.0	0.0	233.4	290.6	380.6	534.7	0.0	0.0	21.8	0.0	2.1	0.0
02	58.7	41.7	50.2	4.8	2.5	3.4	22.6	12.3	3.9	0.2	0.0	0.0	157.0	202.7	278.3	414.6	0.0	0.0	23.1	0.0	1.0	0.0
03	63.4	43.9	53.6	5.0	2.9	3.9	70.5	47.4	22.8	3.7	0.1	0.0	112.3	151.3	219.7	355.5	0.0	0.0	28.3	0.0	0.2	0.0
04	69.6	47.6	58.6	3.7	2.5	3.0	157.4	120.4	76.2	28.8	6.4	2.8	49.3	72.3	118.2	220.7	0.0	0.3	29.2	0.0	0.2	0.0
05	78.9	55.4	67.1	5.1	3.2	4.1	385.8	330.9	254.2	146.5	68.1	46.2	9.2	16.3	32.6	79.8	0.0	4.5	30.9	0.0	0.0	0.0
06	88.2	63.0	75.6	4.1	2.6	3.3	619.2	560.2	473.0	332.9	206.8	163.2	1.2	2.2	5.0	14.9	2.5	13.8	30.0	0.0	0.0	0.0
07	97.0	69.0	83.0	3.0	2.4	2.5	867.8	805.8	712.9	558.2	404.8	344.3	0.0	0.0	0.0	0.5	10.5	26.1	31.0	0.0	0.0	0.0
08	96.0	67.7	81.8	2.2	1.7	1.9	832.3	770.3	677.5	522.7	368.9	308.6	0.0	0.0	0.1	0.4	7.7	25.3	31.0	0.0	0.0	0.0
09	90.3	63.0	76.6	2.8	1.7	2.2	649.6	589.9	500.8	355.9	222.4	174.3	0.2	0.5	1.4	6.5	2.8	16.6	30.0	0.0	0.0	0.0
10	77.6	54.8	66.2	4.0	2.4	3.1	356.0	301.1	224.0	117.4	49.9	33.5	8.8	15.9	31.8	80.2	0.1	3.0	31.0	0.0	0.0	0.0
11	62.4	46.0	54.2	3.7	2.4	2.9	69.3	47.6	23.6	4.5	0.6	0.3	93.2	131.6	197.5	328.4	0.0	0.0	27.9	0.0	0.2	0.0
12	54.2	40.6	47.4	3.1	2.1	2.2	5.4	2.1	0.4	0.0	0.0	0.0	241.0	299.6	390.8	545.4	0.0	0.0	21.9	0.0	1.9	0.0
Summary	74.3	52.8	63.5	3.8	2.4	2.9	4045	3592	2970	2071	1328	1073	906	1183	1656	2582	23.6	89.6	336.1	0.0	5.6	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	10.51	13.9	10.4	6.3	3.9	4.70	7.66	16.19
02	11.41	12.7	10.0	6.7	4.5	3.18	10.31	18.35
03	9.24	13.3	9.5	5.5	3.7	4.30	7.78	13.42
04	4.61	9.6	6.5	3.5	1.8	2.10	3.86	5.74
05	2.93	7.8	4.9	2.2	1.2	0.59	1.83	4.79
06	1.51	3.3	2.1	1.0	0.4	0.24	0.97	2.24
07	0.14	0.6	0.2	0.1	0.0	0.00	0.00	0.04
08	0.16	0.7	0.2	0.1	0.1	0.00	0.00	0.07
09	0.52	1.8	1.0	0.4	0.2	0.00	0.13	0.54
10	3.43	5.0	3.2	2.1	1.2	0.32	1.75	4.36
11	6.59	10.3	6.9	4.0	2.2	2.30	5.23	10.22
12	11.99	13.5	10.4	6.3	4.2	4.96	10.80	19.28
Summary	63.04	92.5	65.3	38.2	23.4	22.69	50.32	95.24

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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	245.5	288.4	424.2	558.1	841.6	1068.0	1332.9	1297.3	1099.4	812.2	426.7	235.8
45	118.6	163.1	277.4	410.3	686.6	918.0	1177.8	1142.3	949.4	657.3	281.8	108.3
50	39.9	71.6	156.1	272.5	532.7	768.2	1022.8	987.3	799.4	503.3	156.0	32.6
55	8.7	22.6	70.5	157.4	385.8	619.2	867.8	832.3	649.6	356.0	69.3	5.4
60	0.8	3.9	22.8	76.2	254.2	473.0	712.9	677.5	500.8	224.0	23.6	0.4
Growing Degree Units for Corn (Monthly)												
50/86	95.3	131.5	216.6	315.2	521.2	691.9	848.0	827.8	707.2	494.6	200.5	82.7

Growing Degree Units (Accumulated Monthly)												
40	246	534	958	1516	2358	3426	4759	6056	7155	7968	8394	8630
45	119	282	559	969	1656	2574	3752	4894	5844	6501	6783	6891
50	40	112	268	540	1073	1841	2864	3851	4650	5154	5310	5342
55	9	31	102	259	645	1264	2132	2964	3614	3970	4039	4045
60	1	5	28	104	358	831	1544	2221	2722	2946	2970	2970
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	95	227	443	759	1280	1972	2820	3648	4355	4849	5050	5132

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

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