

# Climatography of the United States

No. 20

1971-2000

Station: ADIN RS, CA

COOP ID: 040029

Climate Division: CA 2

NWS Call Sign:

Elevation: 4,195 Feet Lat: 41° 12N

Lon: 120° 57W

## Temperature (°F)

Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	43.1	23.3	33.2	68	1976	28	39.8	1986	-22	1962	22	23.3	1977	986	0	.0	.0	5.7	2.8	28.3	1.1
Feb	47.2	26.9	37.1	71	1977	18	45.8	1991	-14+	1989	6	27.5	1989	782	0	.0	.0	9.5	1.5	24.6	.7
Mar	52.5	30.3	41.4	80	1966	31	48.3	1978	-3	1956	6	37.1	1977	732	0	.0	.0	18.2	.3	23.8	@
Apr	59.3	33.7	46.5	85	1987	27	53.3	1987	2	1955	2	38.9	1975	556	0	.0	.0	24.2	.0	16.2	.0
May	67.8	38.9	53.4	93	1986	30	59.4	1973	12	1976	29	47.3	1998	366	5	.0	.2	29.9	.0	7.9	.0
Jun	76.4	44.6	60.5	102+	1961	17	66.5	1977	12	1976	1	55.9	1980	175	39	.0	1.5	29.9	.0	1.5	.0
Jul	84.9	49.8	67.4	110	1972	15	70.8	1996	26+	1976	2	62.5	1993	39	113	.1	8.2	31.0	.0	.1	.0
Aug	84.3	49.1	66.7	104+	1981	7	70.4	1986	29+	1964	29	62.1	1985	48	99	.3	6.5	31.0	.0	.1	.0
Sep	77.8	43.7	60.8	103+	1955	4	66.9	1975	15+	1970	14	54.2	1986	165	37	.0	2.4	29.9	.0	2.9	.0
Oct	66.6	36.5	51.6	90+	1996	8	57.1	1978	7	1971	29	42.2	1984	423	7	.0	.1	28.2	.0	12.7	.0
Nov	51.8	30.0	40.9	80	1976	3	48.9	1976	-10	1985	13	31.0	1994	723	0	.0	.0	14.9	1.3	24.4	.1
Dec	42.7	23.3	33.0	68	1958	2	38.9	1995	-26	1972	8	24.1	1990	993	0	.0	.0	7.0	3.7	28.7	1.3
Ann	62.9	35.8	49.4	110	Jul 1972	15	70.8	Jul 1996	-26	Dec 1972	8	23.3	Jan 1977	5988	300	.4	18.9	259.4	9.6	171.2	3.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: [www.ncdc.noaa.gov/oa/climate/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

Issue Date: February 2004

001-A

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

**Climatography  
of the United States  
No. 20  
1971-2000**

National Climatic Data Center  
Federal Building  
151 Patton Avenue  
Asheville, North Carolina 28801  
www.ncdc.noaa.gov

**Station: ADIN RS, CA**

**COOP ID: 040029**

**Climate Division: CA 2**

**NWS Call Sign:**

**Elevation: 4,195 Feet Lat: 41° 12N**

**Lon: 120° 57W**

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.97	1.51	2.56	1967	21	5.62	1996	.02	1984	8.7	5.1	1.0	.2	.15	.28	.53	.80	1.11	1.45	1.87	2.39	3.12	4.35	5.55
Feb	1.84	1.55	1.53	1999	9	6.37	1986	.34	1988	8.7	4.9	.8	.2	.29	.44	.71	.96	1.23	1.51	1.84	2.24	2.78	3.65	4.49
Mar	1.90	1.59	1.45	1971	12	4.30	1974	.40	1984	9.7	4.8	.8	@	.60	.78	1.05	1.28	1.50	1.73	1.98	2.27	2.65	3.24	3.78
Apr	1.22	1.01	1.83	1995	29	3.99	1995	.00	1985	7.1	3.4	.4	@	.17	.33	.54	.71	.88	1.06	1.26	1.50	1.81	2.31	2.77
May	1.58	1.30	1.49	1990	31	5.36	1998	.00	1976	5.9	3.5	.8	.1	.07	.20	.44	.67	.91	1.19	1.53	1.94	2.50	3.44	4.36
Jun	1.00	.75	1.27	1993	6	4.10	1998	.00	1973	3.9	2.5	.5	.1	.03	.09	.23	.37	.53	.71	.94	1.22	1.61	2.28	2.94
Jul	.37	.28	.95	1987	17	1.86	1987	.00+	1993	1.8	1.1	.1	.0	.00	.00	.00	.10	.19	.28	.37	.49	.64	.89	1.12
Aug	.43	.13	1.32	1965	11	2.33	1976	.00+	2000	2.0	.8	.1	@	.00	.00	.00	.00	.03	.11	.25	.44	.75	1.31	1.90
Sep	.87	.77	1.18	1977	29	2.89	1985	.00+	1999	3.5	1.9	.4	.1	.00	.00	.06	.22	.39	.58	.81	1.09	1.49	2.14	2.81
Oct	1.16	1.03	2.23	1962	11	3.35	1979	.00+	1994	5.1	3.1	.5	.1	.00	.08	.26	.44	.64	.85	1.11	1.43	1.87	2.61	3.34
Nov	1.82	1.31	1.32	1957	13	5.27	1981	.26	1992	7.9	4.5	.7	.1	.27	.42	.69	.94	1.20	1.49	1.82	2.23	2.77	3.66	4.52
Dec	1.72	1.38	1.74	1968	23	5.25	1996	.02	1989	8.5	5.1	.8	.1	.12	.23	.45	.69	.95	1.26	1.62	2.09	2.73	3.82	4.89
Ann	15.88	15.22	2.56	Jan 1967	21	6.37	Feb 1986	.00+	Aug 2000	72.8	40.7	6.9	1.0	9.13	10.33	11.92	13.17	14.31	15.43	16.60	17.93	19.56	21.98	24.13

+ Also occurred on an earlier date(s)

# Denotes amounts of a trace

@ Denotes mean number of days greater than 0 but less than .05

\*\* Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Station: ADIN RS, CA

COOP ID: 040029

Climate Division: CA 2

NWS Call Sign:

Elevation: 4,195 Feet

Lat: 41° 12N

Lon: 120° 57W

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.9	7.0	2	1	20.0	1997	22	26.5	1997	23	1997	22	5	1977	3.0	2.3	.9	.3	@	-9.9	-9.9	-9.9	-9.9
Feb	10.8	10.5	1	#	11.0	1996	24	24.5	1979	14	1975	4	5	1976	3.1	2.5	1.3	.4	.1	3.9	2.1	1.1	.2
Mar	8.1	7.0	#	#	8.0	1982	31	24.3	1982	11	1974	2	5	1976	2.4	1.9	.9	.4	.0	1.4	.8	.5	.0
Apr	1.4	.3	#	0	5.5	1984	19	10.0	1998	1	1975	6	#+	1999	.9	.7	.3	@	.0	.0	.0	.0	.0
May	.6	.0	#	0	4.5	1990	31	4.5	1990	1	1974	17	#+	1999	.4	.2	@	.0	.0	.1	.0	.0	.0
Jun	.1	.0	0	0	2.0	1990	1	2.0	1990	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.1	.0	0	0	3.5	1971	30	3.5	1971	0	0	0	0	0	@	@	@	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	0	3.5	1984	16	6.3	1984	1	1972	28	#	1972	.3	.2	@	.0	.0	.1	.0	.0	.0
Nov	3.1	.7	#	0	12.0	1994	25	14.0	1998	5	1977	21	1+	2000	2.0	1.2	.6	.2	@	1.6	.5	.0	.0
Dec	6.4	7.3	1	#	8.0	1998	3	14.1	1971	9	1972	12	3	1972	3.3	2.7	.9	.2	.0	-9.9	-9.9	-9.9	-9.9
Ann	39.9	32.8	N/A	N/A	20.0	Jan 1997	22	26.5	Jan 1997	23	Jan 1997	22	5+	Jan 1977	15.5	11.8	4.9	1.5	.1	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Freeze Data									
Spring Freeze Dates (Month/Day)									
Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	7/19	7/12	7/06	7/01	6/27	6/23	6/18	6/12	6/05
32	6/26	6/20	6/16	6/12	6/08	6/05	6/01	5/27	5/21
28	6/05	5/29	5/23	5/19	5/15	5/11	5/06	5/01	4/24
24	5/18	5/09	5/03	4/28	4/23	4/18	4/13	4/06	3/29
20	5/03	4/23	4/15	4/09	4/03	3/28	3/22	3/15	3/05
16	4/19	4/05	3/27	3/18	3/10	3/02	2/22	2/12	1/29
Fall Freeze Dates (Month/Day)									
Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/15	8/21	8/26	8/29	9/02	9/05	9/09	9/13	9/19
32	8/30	9/05	9/10	9/14	9/17	9/21	9/25	9/29	10/06
28	9/14	9/20	9/25	9/29	10/02	10/06	10/10	10/15	10/21
24	10/03	10/10	10/14	10/18	10/22	10/26	10/30	11/04	11/11
20	10/17	10/24	10/29	11/02	11/06	11/10	11/15	11/20	11/27
16	10/27	11/04	11/10	11/16	11/20	11/25	11/30	12/06	12/14
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	100	88	80	73	66	59	52	43	32
32	129	119	112	106	100	95	89	82	72
28	171	161	153	146	140	134	127	119	108
24	215	203	195	188	182	175	168	160	149
20	254	241	232	224	217	209	201	192	179
16	300	285	273	263	254	245	235	224	208

\* Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

**0/00** Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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**No. 20**  
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**Elevation: 4,195 Feet    Lat: 41°12N    Lon: 120°57W**

Degree Days to Selected Base Temperatures (°F)													
Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	986	782	732	556	366	175	39	48	165	423	723	993	5988
60	831	642	577	413	230	88	8	10	79	287	574	838	4577
57	738	558	485	332	162	51	2	2	44	216	486	745	3821
55	676	502	424	280	125	32	1	1	28	175	429	683	3356
50	522	373	283	172	54	8	0	0	7	93	296	532	2340
32	101	52	13	6	0	0	0	0	0	1	25	116	314

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	139	195	304	439	662	854	1096	1075	863	607	292	146	6672
55	0	0	2	24	74	197	384	363	201	69	6	0	1320
57	0	0	1	16	50	155	323	302	157	48	3	0	1055
60	0	0	0	7	24	102	236	217	102	26	1	0	715
65	0	0	0	0	5	39	113	99	37	7	0	0	300
70	0	0	0	0	0	11	36	28	9	1	0	0	85

Growing Degree Units (2)																								
Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	11	33	85	196	392	600	829	812	587	335	75	9	11	44	129	325	717	1317	2146	2958	3545	3880	3955	3964
45	0	5	23	96	254	451	674	657	438	206	25	0	0	5	28	124	378	829	1503	2160	2598	2804	2829	2829
50	0	0	0	37	138	308	519	502	300	106	4	0	0	0	0	37	175	483	1002	1504	1804	1910	1914	1914
55	0	0	0	5	60	181	366	348	175	39	0	0	0	0	0	5	65	246	612	960	1135	1174	1174	1174
60	0	0	0	0	19	81	223	203	78	9	0	0	0	0	0	0	19	100	323	526	604	613	613	613
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	13	35	78	159	283	400	536	524	413	265	71	14	13	48	126	285	568	968	1504	2028	2441	2706	2777	2791

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

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

Complete documentation available from:

[www.ncdc.noaa.gov/oa/climate/normals/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normals/usnormals.html)

## Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
- c. Only observed validated values were used to select the extreme daily values.
- d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.  
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.
- e. Degree Days were derived using the same techniques as the 1971-2000 normals.  
Complete documentation for the 1971-2000 Normals is available on the internet from:  
[www.ncdc.noaa.gov/oa/climate/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)
- f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set.  
Documentation of the serially complete data set is available from the link below:
- g. Snowfall and snow depth statistics were derived from the Snow Climatology.  
Documentation for the Snow Climatology project is available from the link under references.

## Data Sources for Tables

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

- |   |   |
|---|---|
| <ol style="list-style-type: none"><li>a. Temperature/ Precipitation Tables<ol style="list-style-type: none"><li>1. 1971-2000 Monthly Normals</li><li>2. Cooperative Summary of the Day</li><li>3. National Weather Service station records</li><li>4. 1971-2000 serially complete daily data</li></ol></li><li>b. Degree Day Table<ol style="list-style-type: none"><li>1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals</li><li>2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data</li></ol></li></ol> | <ol style="list-style-type: none"><li>c. Snow Tables<ol style="list-style-type: none"><li>1. Snow Climatology</li><li>2. Cooperative Summary of the Day</li></ol></li><li>d. Freeze Data Table<br/>1971-2000 serially complete daily data</li></ol> |
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## References

U.S. Climate Normals 1971-2000, [www.ncdc.noaa.gov/normal.html](http://www.ncdc.noaa.gov/normal.html)  
U.S. Climate Normals 1971-2000-Products Clim20, [www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html)  
Snow Climatology Project Description, [www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html](http://www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html)  
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,  
[www1.ncdc.noaa.gov/pub/data/special/serialcomplete\\_jam\\_0900.pdf](http://www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf)