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

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: TEJON RANCHO, CA **COOP ID: 048839**

Climate Division: CA 5 **NWS Call Sign:** **Elevation: 1,425 Feet** **Lat: 35˚01N** **Lon: 118˚45W**

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	58.5	35.3	46.9	82+	1986	28	54.2	1986	16	1961	6	41.7	1972	562	0	.0	.0	27.1	.0	11.9	.0
Feb	63.3	39.3	51.3	84+	1987	7	56.0	1991	14	1989	6	46.6	1990	384	0	.0	.0	27.2	.1	3.7	.0
Mar	67.2	42.6	54.9	89	1997	25	61.4	1972	23	1976	4	48.3	1973	323	10	.0	.0	30.8	.0	1.1	.0
Apr	74.3	46.6	60.5	100	1987	22	67.2	1987	26+	1997	2	53.7	1975	180	43	@	1.3	30.0	.0	.2	.0
May	82.7	53.4	68.1	109	1984	30	73.1	1972	35+	1994	6	60.1	1977	77	172	.6	7.1	31.0	.0	.0	.0
Jun	91.3	60.5	75.9	114	1961	15	81.5	1981	39	1992	13	70.0	1980	6	332	4.6	18.2	30.0	.0	.0	.0
Jul	96.6	66.3	81.5	111+	1972	15	86.0	1984	37	1965	8	74.2	1987	0	510	10.1	27.7	31.0	.0	.0	.0
Aug	95.3	64.1	79.7	109+	1998	6	84.4	1998	43	1992	30	75.9	1976	0	456	7.6	25.9	31.0	.0	.0	.0
Sep	89.9	59.7	74.8	113	1955	3	79.5	1984	41	1978	18	68.7	1973	10	304	2.4	17.0	30.0	.0	.0	.0
Oct	80.6	52.0	66.3	101	1991	10	72.8	1978	31	1996	19	61.1	1975	88	128	.1	4.7	31.0	.0	.1	.0
Nov	66.4	40.6	53.5	93	1966	1	58.2	1995	23+	1975	19	48.1	1994	349	5	.0	@	29.9	.0	2.6	.0
Dec	58.4	34.5	46.5	81	1981	9	51.1	1979	14	1990	23	41.9	1990	576	0	.0	.0	27.5	@	11.8	.0
Ann	77.0	49.6	63.3	114	Jun 1961	15	86.0	Jul 1984	14+	Dec 1990	23	41.7	Jan 1972	2555	1960	25.4	101.9	356.5	.1	31.4	.0

\+ 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/normals/usnormals.html

(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

Issue Date: February 2004

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Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	2.12	1.99	2.19	1988	17	4.68	1995	.00	1972
Feb	1.78	1.55	2.04	1978	10	7.90	1998	.02	1972
Mar	2.60	2.02	2.05	1995	11	7.86	1991	.00	1972
Apr	1.10	1.00	1.57	1998	11	3.06	1998	.00+	1992
May	.51	.31	1.00	1971	9	2.25	1971	.00+	1999
Jun	.15	.00	.84	1957	10	1.23	1993	.00+	1999
Jul	.05	.00	1.13	1974	23	1.13	1974	.00+	2000
Aug	.10	.00	1.34	1983	18	1.46	1983	.00+	2000
Sep	.31	.00	1.34	1982	26	1.50	1976	.00+	2000
Oct	.60	.49	1.40	1968	14	1.85	1974	.00+	1999
Nov	1.42	1.25	1.83	1987	4	5.42	1987	.00+	2000
Dec	1.27	1.06	1.65	1994	25	3.02	1992	.00+	1989
Ann	12.01	11.03	2.19	Jan 1988	17	7.90	Feb 1998	.00+	Nov 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	6.1	4.5	1.3	.4
Feb	5.5	4.4	1.2	.2
Mar	6.4	5.2	1.9	.4
Apr	3.4	2.4	.8	.2
May	1.9	1.5	.2	@
Jun	.5	.4	@	.0
Jul	.1	.1	@	@
Aug	.3	.3	.1	@
Sep	1.0	.8	.2	.1
Oct	1.7	1.3	.5	.1
Nov	3.6	3.0	1.1	.2
Dec	4.7	3.4	.8	@
Ann	35.2	27.3	8.1	1.6

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.23	.49	.84	1.15	1.46	1.79	2.17	2.62	3.22	4.18	5.10
Feb	.19	.32	.57	.82	1.08	1.38	1.74	2.18	2.77	3.77	4.73
Mar	.12	.35	.74	1.12	1.53	1.99	2.53	3.20	4.12	5.65	7.14
Apr	.00	.00	.24	.42	.62	.83	1.08	1.39	1.80	2.49	3.16
May	.00	.00	.00	.05	.18	.31	.46	.65	.90	1.34	1.75
Jun	.00	.00	.00	.00	.00	.00	.00	.12	.28	.54	.78
Jul	**	**	**	**	**	**	**	**	**	**	**
Aug	.00	.00	.00	.00	.00	.00	.00	.00	.04	.31	.67
Sep	.00	.00	.00	.00	.00	.00	.00	.26	.57	1.07	1.57
Oct	.00	.00	.04	.14	.26	.39	.55	.75	1.03	1.50	1.98
Nov	.00	.03	.17	.36	.58	.86	1.22	1.69	2.36	3.54	4.74
Dec	.00	.12	.34	.54	.75	.98	1.25	1.57	2.02	2.77	3.49
Ann	6.23	7.21	8.55	9.62	10.59	11.57	12.60	13.76	15.22	17.40	19.34

\+ 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

Complete documentation available from:
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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	#	.0	0	0
Feb	#	.0	0	0
Mar	.0	.0	0	0
Apr	.0	.0	0	0
May	.0	.0	0	0
Jun	.0	.0	0	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.0	.0	0	0
Oct	.0	.0	0	0
Nov	.0	.0	0	0
Dec	.0	.0	0	0
Ann	#	.0	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	#	1972	26	#	1972	0	0	0	0	0
Feb	#	1976	7	#	1976	0	0	0	0	0
Mar	.0	0	0	.0	0	0	0	0	0	0
Apr	.0	0	0	.0	0	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	.0	0	0	.0	0	0	0	0	0	0
Nov	.0	0	0	.0	0	0	0	0	0	0
Dec	.0	0	0	.0	0	0	0	0	0	0
Ann	#+	Feb 1976	7	#+	Feb 1976	0	0	0	0	0

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.0	.0	.0	.0	.0
Feb	.0	.0	.0	.0	.0
Mar	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.0	.0	.0	.0	.0
Nov	.0	.0	.0	.0	.0
Dec	.0	.0	.0	.0	.0
Ann	.0	.0	.0	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.0	.0	.0	.0
Feb	.0	.0	.0	.0
Mar	.0	.0	.0	.0
Apr	.0	.0	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	.0	.0	.0	.0
Nov	.0	.0	.0	.0
Dec	.0	.0	.0	.0
Ann	.0	.0	.0	.0

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

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

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

(2) Derived from 1971-2000 daily data

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

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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	4/29	4/18	4/10	4/03	3/28	3/21	3/15	3/06	2/23
32	4/06	3/24	3/14	3/06	2/26	2/19	2/11	2/01	1/19
28	3/01	2/17	2/08	1/31	1/24	1/16	1/08	12/29	12/14
24	2/03	1/22	1/12	12/31	0/00	0/00	0/00	0/00	0/00
20	1/12	12/24	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00

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	10/24	10/30	11/04	11/08	11/11	11/15	11/19	11/23	11/29
32	11/09	11/15	11/19	11/23	11/27	11/30	12/04	12/09	12/15
28	11/24	12/02	12/07	12/12	12/17	12/22	12/27	1/03	1/16
24	12/04	12/15	12/24	1/03	0/00	0/00	0/00	0/00	0/00
20	12/21	1/09	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	266	253	243	235	228	220	212	202	189
32	318	302	291	282	273	264	254	243	227
28	>365	>365	355	338	326	315	304	291	274
24	>365	>365	>365	>365	>365	>365	>365	>365	323
20	>365	>365	>365	>365	>365	>365	>365	>365	>365
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

***** 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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Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	562	384	323	180	77	6	0	0	10	88	349	576	2555
60	409	250	194	92	31	1	0	0	2	34	216	421	1650
57	323	176	133	54	16	0	0	0	0	17	148	333	1200
55	268	133	100	35	10	0	0	0	0	9	110	276	941
50	152	55	36	10	2	0	0	0	0	1	42	152	450
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	461	540	709	853	1118	1316	1533	1479	1284	1063	645	447	11448
55	16	29	96	198	415	626	820	766	594	359	65	10	3994
57	9	16	68	157	359	566	758	704	534	305	44	5	3525
60	3	6	35	106	280	477	665	611	446	229	21	0	2879
65	0	0	10	43	172	332	510	456	304	128	5	0	1960
70	0	0	1	13	91	201	357	304	181	60	1	0	1209

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	228	338	467	617	877	1083	1288	1246	1052	818	410	218	228	566	1033	1650	2527	3610	4898	6144	7196	8014	8424	8642
45	116	201	312	467	722	933	1133	1091	902	663	266	103	116	317	629	1096	1818	2751	3884	4975	5877	6540	6806	6909
50	43	93	173	321	567	783	978	936	752	508	137	33	43	136	309	630	1197	1980	2958	3894	4646	5154	5291	5324
55	12	28	75	194	414	633	823	781	602	359	54	0	12	40	115	309	723	1356	2179	2960	3562	3921	3975	3975
60	0	1	20	93	271	483	668	626	452	222	14	0	0	1	21	114	385	868	1536	2162	2614	2836	2850	2850
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	145	202	278	382	559	691	813	787	674	520	252	142	145	347	625	1007	1566	2257	3070	3857	4531	5051	5303	5445

(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

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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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 are 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.

a. Temperature/ Precipitation Tables
   1. 1971-2000 Monthly Normals
   2. Cooperative Summary of the Day
   3. National Weather Service station records
   4. 1971-2000 serially complete daily data

b. Degree Day Table
   1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
   2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html
Snow Climatology Project Description, 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