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: NORTH FORK R S, CA **COOP ID: 046252**

Climate Division: CA 5 **NWS Call Sign:** **Elevation: 2,630 Feet** **Lat: 37˚14N** **Lon: 119˚30W**

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	.0	.0	.0	76+	1994	21	.0	0	6	1950	3	.0	0	0	0	.0	.0	21.2	.4	20.8	.0
Feb	.0	.0	.0	82	1986	28	.0	0	10	1989	6	.0	0	0	0	.0	.0	21.7	.2	13.8	.0
Mar	.0	.0	.0	84+	1986	31	.0	0	15	1971	1	.0	0	0	0	.0	.0	27.9	.0	11.0	.0
Apr	.0	.0	.0	91	1981	30	.0	0	22+	1983	12	.0	0	0	0	.0	.1	28.8	.0	6.4	.0
May	.0	.0	.0	102+	1984	30	.0	0	26+	1975	5	.0	0	0	0	.1	2.7	30.9	.0	1.3	.0
Jun	.0	.0	.0	108	1961	22	.0	0	32+	1995	8	.0	0	0	0	1.3	10.6	30.0	.0	@	.0
Jul	.0	.0	.0	108+	2001	4	.0	0	38	1993	17	.0	0	0	0	5.5	22.9	31.0	.0	.0	.0
Aug	.0	.0	.0	109	1996	14	.0	0	41+	1968	22	.0	0	0	0	5.4	22.9	31.0	.0	.0	.0
Sep	.0	.0	.0	110+	1951	13	.0	0	33+	1950	30	.0	0	0	0	1.6	13.3	30.0	.0	.0	.0
Oct	.0	.0	.0	102	2001	1	.0	0	19	1971	16	.0	0	0	0	@	3.2	30.8	.0	1.4	.0
Nov	.0	.0	.0	88+	1980	5	.0	0	16+	1994	21	.0	0	0	0	.0	.0	27.3	.1	10.3	.0
Dec	.0	.0	.0	84	1958	4	.0	0	6+	1998	23	.0	0	0	0	.0	.0	21.1	.6	22.3	.0
Ann	.0	.0	.0	110+	Sep 1951	13	-99.9	0	6+	Dec 1998	23	99.9+	0	0	0	13.9	75.7	331.7	1.3	87.3	.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

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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	6.78	5.73	5.39	1963	31	19.49	1997	.16	1984
Feb	6.42	5.74	5.10	1982	16	20.09	1986	.53	1997
Mar	6.17	5.71	3.93	1995	10	17.47	1991	.00	1972
Apr	2.41	1.49	3.00	1958	3	8.46	1982	.03	1977
May	1.31	.45	3.74	1957	19	8.17	1998	.00+	1985
Jun	.47	.12	1.33	1977	9	2.27	1993	.00+	1994
Jul	.10	.01	1.18	1992	12	1.84	1992	.00+	2000
Aug	.08	.00	.71	1975	20	1.20	1975	.00+	2000
Sep	.74	.16	4.99	1959	19	3.31	1989	.00+	1999
Oct	1.66	1.70	2.38	1996	30	4.84	1975	.00+	1995
Nov	3.60	2.74	8.67	1950	19	11.56	1983	.02	1995
Dec	4.35	3.36	5.74	1955	23	14.77	1996	.00	1989
Ann	34.09	30.35	8.67	Nov 1950	19	20.09	Feb 1986	.00+	Aug 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	7.2	5.9	3.6	2.3
Feb	8.3	5.9	3.3	2.0
Mar	8.9	6.6	3.5	1.8
Apr	5.8	3.7	1.3	.5
May	3.5	2.2	.7	.3
Jun	1.8	.9	.3	.1
Jul	.8	.2	@	@
Aug	.7	.2	@	.0
Sep	2.2	1.3	.4	.2
Oct	3.8	2.6	1.1	.5
Nov	6.4	3.9	1.7	1.0
Dec	6.3	4.6	2.4	1.1
Ann	55.7	38.0	18.3	9.8

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	.49	.91	1.78	2.71	3.75	4.95	6.39	8.22	10.77	15.06	19.30
Feb	.68	1.16	2.04	2.94	3.90	4.98	6.25	7.84	10.00	13.58	17.08
Mar	.38	.99	1.95	2.86	3.82	4.88	6.10	7.61	9.66	13.02	16.28
Apr	.13	.26	.54	.87	1.24	1.68	2.21	2.90	3.88	5.54	7.20
May	.00	.00	.06	.19	.37	.63	.98	1.46	2.19	3.52	4.91
Jun	.00	.00	.00	.00	.04	.13	.27	.48	.80	1.39	2.01
Jul	.00	.00	.00	.00	.00	.00	.01	.06	.15	.34	.56
Aug	.00	.00	.00	.00	.00	.00	.00	.00	.05	.24	.49
Sep	.00	.00	.00	.00	.03	.14	.35	.68	1.22	2.26	3.38
Oct	.00	.00	.25	.50	.79	1.12	1.53	2.05	2.76	3.98	5.20
Nov	.13	.29	.68	1.14	1.69	2.36	3.19	4.28	5.84	8.54	11.27
Dec	.21	.60	1.25	1.89	2.57	3.34	4.24	5.35	6.88	9.41	11.88
Ann	15.66	18.65	22.79	26.14	29.26	32.39	35.74	39.57	44.38	51.66	58.23

\+ 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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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	.3	.0	#	0
Feb	.0	.0	0	0
Mar	.6	.0	0	0
Apr	.6	.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	.5	.0	0	0
Dec	.2	.0	0	0
Ann	2.2	.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	2.0	1972	26	3.0	1972	3	1972	27	#	1972
Feb	.0	0	0	.0	0	0	0	0	0	0
Mar	3.0	1982	19	5.0	1982	0	0	0	0	0
Apr	8.0	1982	1	8.0	1982	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	6.0	1985	11	6.0	1985	0	0	0	0	0
Dec	2.3	1982	1	2.3	1982	0	0	0	0	0
Ann	8.0	Apr 1982	1	8.0	Apr 1982	3	Jan 1972	27	#	Jan 1972

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.2	.2	.0	.0	.0
Feb	.0	.0	.0	.0	.0
Mar	.2	.2	.1	.0	.0
Apr	.1	.1	.1	.1	.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	.1	.1	.1	.1	.0
Dec	.1	.1	.0	.0	.0
Ann	.7	.7	.3	.2	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.1	.1	.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	.1	.1	.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	6/09	6/02	5/28	5/24	5/20	5/16	5/12	5/07	4/30
32	5/28	5/19	5/13	5/08	5/02	4/27	4/22	4/15	4/07
28	5/08	4/27	4/19	4/12	4/06	3/31	3/24	3/17	3/06
24	4/11	3/28	3/18	3/10	3/02	2/22	2/13	2/03	1/20
20	3/20	3/03	2/19	2/08	1/29	1/18	1/05	12/16	0/00
16	1/30	1/10	12/20	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	10/05	10/10	10/14	10/17	10/21	10/24	10/27	10/31	11/05
32	10/16	10/22	10/26	10/29	11/02	11/05	11/09	11/13	11/19
28	10/29	11/05	11/09	11/13	11/16	11/20	11/23	11/28	12/04
24	11/07	11/16	11/22	11/28	12/03	12/08	12/13	12/20	12/29
20	11/17	12/01	12/12	12/22	12/31	1/11	1/24	2/16	0/00
16	12/07	12/24	1/12	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	176	168	162	157	153	148	143	137	129
32	209	200	194	188	183	177	172	165	156
28	259	247	238	230	223	216	209	200	188
24	329	311	298	286	276	265	254	240	222
20	>365	>365	>365	>365	336	318	303	287	267
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	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

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	116	177	256	373	624	854	1093	1089	885	631	279	126	116	293	549	922	1546	2400	3493	4582	5467	6098	6377	6503
45	41	82	137	240	469	704	938	934	735	478	161	47	41	123	260	500	969	1673	2611	3545	4280	4758	4919	4966
50	11	28	54	127	325	554	783	779	585	331	75	13	11	39	93	220	545	1099	1882	2661	3246	3577	3652	3665
55	0	1	15	57	199	407	628	624	439	204	26	0	0	1	16	73	272	679	1307	1931	2370	2574	2600	2600
60	0	0	0	17	101	267	473	470	296	100	3	0	0	0	0	17	118	385	858	1328	1624	1724	1727	1727
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	93	129	176	258	403	531	668	661	546	412	203	107	93	222	398	656	1059	1590	2258	2919	3465	3877	4080	4187

(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

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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