

# Climatology of the United States

## No. 20 1971-2000

Station: LAKEPORT, CA

COOP ID: 044701

Climate Division: CA 2

NWS Call Sign:

Elevation: 1,315 Feet Lat: 39°02N

Lon: 122°55W

### 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	53.7	32.7	43.2	79	1962	8	46.5	1984	12	1975	30	39.6	1982	677	0	.0	.0	24.6	.0	17.2	.0
Feb	57.2	35.4	46.3	80	1954	10	50.6	1991	15	1989	6	41.5	1989	524	0	.0	.0	25.1	.2	10.1	.0
Mar	61.9	37.3	49.6	87	1966	31	54.3	1986	21+	1974	8	45.1	1991	477	0	.0	.0	29.7	.0	7.4	.0
Apr	67.8	39.3	53.6	92	1947	15	59.3	1987	24	1976	1	46.9	1975	349	6	.0	.2	29.8	.0	3.4	.0
May	76.5	44.1	60.3	99+	2001	22	66.6	1992	29+	1977	7	53.5	1977	183	37	@	3.4	31.0	.0	.3	.0
Jun	84.8	49.9	67.4	107	1966	15	71.9	1985	30	1950	8	61.8	1980	45	116	1.9	11.0	30.0	.0	.0	.0
Jul	92.2	54.0	73.1	112	1972	13	76.7	1996	35	1953	10	67.8	1983	7	258	6.3	22.2	31.0	.0	.0	.0
Aug	91.9	52.9	72.4	112+	1981	8	75.9	1986	34	1982	31	67.4	1976	5	234	6.0	21.4	31.0	.0	.0	.0
Sep	85.7	49.0	67.4	108	1998	3	71.9	1999	12+	1982	30	62.6	1986	44	114	1.6	13.3	30.0	.0	.9	.0
Oct	74.9	43.3	59.1	101	1980	3	65.1	1991	23	1971	29	54.4	1971	210	28	.1	2.1	31.0	.0	1.0	.0
Nov	60.0	36.6	48.3	91	1950	3	54.0	1995	20	1961	17	42.7	1994	500	0	.0	.0	28.7	.0	9.1	.0
Dec	53.5	32.8	43.2	78	1957	6	47.3	1995	9	1972	9	38.2	1990	677	0	.0	.0	25.8	.0	17.5	.0
Ann	71.7	42.3	57.0	112+	Aug 1981	8	76.7	Jul 1996	9	Dec 1972	9	38.2	Dec 1990	3698	793	15.9	73.6	347.7	.2	66.9	.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/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1941-2001

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

# Climatography of the United States

## No. 20 1971-2000

Station: LAKEPORT, CA

COOP ID: 044701

Climate Division: CA 2

NWS Call Sign:

Elevation: 1,315 Feet Lat: 39°02N

Lon: 122°55W

### 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	6.74	6.24	6.35	1997	2	22.60	1995	.24	1976	11.2	8.7	4.6	2.1	.57	1.03	1.92	2.85	3.88	5.05	6.45	8.21	10.64	14.70	18.69	
Feb	5.93	4.05	3.97	1986	17	19.63	1986	.20	1995	10.6	8.1	4.3	2.2	.43	.81	1.57	2.38	3.29	4.34	5.60	7.20	9.42	13.16	16.86	
Mar	4.75	3.36	4.56	1995	9	15.08	1995	.12	1988	9.6	7.1	3.3	1.0	.46	.80	1.44	2.10	2.82	3.63	4.59	5.79	7.43	10.17	12.85	
Apr	1.70	1.53	1.65	2000	17	4.75	1983	.00	1987	5.9	3.9	.9	.2	.05	.17	.40	.64	.91	1.23	1.60	2.08	2.74	3.85	4.95	
May	.85	.61	1.89	1951	4	3.73	1998	.00+	1987	4.1	2.1	.4	.2	.00	.02	.11	.23	.37	.53	.74	1.01	1.40	2.08	2.76	
Jun	.22	.05	1.82	1967	2	1.22	1993	.00+	1999	1.0	.5	.1	.0	.00	.00	.00	.00	.01	.06	.14	.24	.39	.65	.92	
Jul	.05	.00	.64	1974	8	.66	1974	.00+	2000	.4	.1	@	.0	.00	.00	.00	.00	.00	.00	.00	.00	.07	.18	.30	
Aug	.09	.00	.91	1968	20	.79	1997	.00+	2000	.6	.3	@	.0	.00	.00	.00	.00	.00	.00	.00	.01	.11	.30	.51	
Sep	.48	.22	1.84	1957	27	2.02	1989	.00+	1999	1.8	1.0	.2	.1	.00	.00	.00	.00	.09	.21	.36	.56	.86	1.37	1.88	
Oct	1.48	1.21	4.62	1962	12	3.89	1979	.00+	1995	4.4	3.0	1.2	.3	.00	.00	.48	.74	.99	1.24	1.53	1.88	2.32	3.04	3.73	
Nov	4.30	3.25	2.85	1977	21	14.09	1983	.03	1995	8.4	6.4	3.0	1.2	.14	.32	.76	1.30	1.96	2.76	3.76	5.09	7.00	10.33	13.70	
Dec	4.81	3.78	4.36	1964	22	13.84	1983	.00	1989	9.1	7.0	3.0	1.3	.25	.68	1.41	2.12	2.87	3.72	4.70	5.93	7.59	10.35	13.03	
Ann	31.40	28.49	6.35	Jan 1997	2	22.60	Jan 1995	.00+	Aug 2000	67.1	48.2	21.0	8.6	14.17	16.95	20.81	23.93	26.85	29.78	32.92	36.51	41.04	47.89	54.08	

+ 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: 1941-2001

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

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

# Climatology of the United States

## No. 20 1971-2000

Station: LAKEPORT, CA

COOP ID: 044701

Climate Division: CA 2

NWS Call Sign:

Elevation: 1,315 Feet

Lat: 39°02N

Lon: 122°55W

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	.2	.0	#	0	2.0	1971	13	3.0	1971	4+	1975	31	#+	1975	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
Feb	#	.0	0	0	#	1971	28	#	1971	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.2	.0	0	0	4.0	1976	2	4.0	1976	0	0	0	0	0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.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	.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	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.4	.0	N/A	N/A	4.0	Mar 1976	2	4.0	Mar 1976	4+	Jan 1975	31	#+	Jan 1975	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0

+ 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

Complete documentation available from:

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

# Climatology of the United States

## No. 20 1971-2000

Station: LAKEPORT, CA

COOP ID: 044701

Climate Division: CA 2

NWS Call Sign:

Elevation: 1,315 Feet

Lat: 39° 02N

Lon: 122° 55W

<b>Freeze Data</b>									
<b>Spring Freeze Dates (Month/Day)</b>									
<b>Temp (F)</b>	<b>Probability of later date in spring (thru Jul 31) than indicated(*)</b>								
	<b>.10</b>	<b>.20</b>	<b>.30</b>	<b>.40</b>	<b>.50</b>	<b>.60</b>	<b>.70</b>	<b>.80</b>	<b>.90</b>
<b>36</b>	6/01	5/25	5/21	5/16	5/13	5/09	5/05	4/30	4/23
<b>32</b>	5/07	4/30	4/25	4/21	4/16	4/12	4/08	4/03	3/27
<b>28</b>	4/17	4/04	3/26	3/18	3/11	3/04	2/24	2/15	2/02
<b>24</b>	3/11	2/23	2/12	2/02	1/23	1/13	1/02	12/17	0/00
<b>20</b>	2/06	1/16	12/29	12/05	0/00	0/00	0/00	0/00	0/00
<b>16</b>	12/08	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
<b>Fall Freeze Dates (Month/Day)</b>									
<b>Temp (F)</b>	<b>Probability of earlier date in fall (beginning Aug 1) than indicated(*)</b>								
	<b>.10</b>	<b>.20</b>	<b>.30</b>	<b>.40</b>	<b>.50</b>	<b>.60</b>	<b>.70</b>	<b>.80</b>	<b>.90</b>
<b>36</b>	9/29	10/06	10/12	10/16	10/21	10/25	10/29	11/04	11/11
<b>32</b>	10/11	10/18	10/24	10/29	11/03	11/07	11/12	11/18	11/25
<b>28</b>	10/17	10/29	11/07	11/15	11/22	11/29	12/07	12/16	12/28
<b>24</b>	11/03	11/18	11/29	12/08	12/18	12/27	1/07	1/22	0/00
<b>20</b>	11/30	12/21	1/10	2/03	0/00	0/00	0/00	0/00	0/00
<b>16</b>	12/23	0/00	0/00	0/00	0/00	0/00	0/00	0/00	0/00
<b>Freeze Free Period</b>									
<b>Temp (F)</b>	<b>Probability of longer than indicated freeze free period (Days)</b>								
	<b>.10</b>	<b>.20</b>	<b>.30</b>	<b>.40</b>	<b>.50</b>	<b>.60</b>	<b>.70</b>	<b>.80</b>	<b>.90</b>
<b>36</b>	194	182	174	167	160	154	147	138	127
<b>32</b>	236	223	214	207	199	192	184	175	163
<b>28</b>	315	292	277	264	253	242	230	216	197
<b>24</b>	>365	>365	>365	349	325	308	293	277	256
<b>20</b>	>365	>365	>365	>365	>365	>365	>365	>365	324
<b>16</b>	>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

Complete documentation available from:

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

# Climatology of the United States

## No. 20 1971-2000

Station: LAKEPORT, CA

COOP ID: 044701

Climate Division: CA 2

NWS Call Sign:

Elevation: 1,315 Feet Lat: 39°02N

Lon: 122°55W

### Degree Days to Selected Base Temperatures (°F)

Base	Heating Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Below													
65	677	524	477	349	183	45	7	5	44	210	500	677	3698
60	522	384	328	217	91	10	0	0	10	108	353	522	2545
57	429	302	243	153	53	3	0	0	3	64	270	429	1949
55	367	250	193	117	34	1	0	0	1	43	219	368	1593
50	219	133	95	48	9	0	0	0	0	12	113	225	854
32	0	0	0	0	0	0	0	0	0	0	0	1	1

### Cooling Degree Days (1)

Base	Cooling Degree Days (1)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
Above													
32	346	400	546	647	877	1060	1274	1252	1061	840	490	347	9140
55	0	6	26	74	198	371	561	539	372	170	20	1	2338
57	0	2	15	49	155	313	499	477	313	130	11	0	1964
60	0	0	6	24	101	230	406	384	230	80	4	0	1465
65	0	0	0	6	37	116	258	234	114	28	0	0	793
70	0	0	0	0	10	41	131	107	39	6	0	0	334

### 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	139	214	317	434	653	849	1058	1034	850	615	279	140	139	353	670	1104	1757	2606	3664	4698	5548	6163	6442	6582
45	43	102	177	288	498	699	903	879	700	462	147	44	43	145	322	610	1108	1807	2710	3589	4289	4751	4898	4942
50	1	29	73	160	345	549	748	724	550	308	60	3	1	30	103	263	608	1157	1905	2629	3179	3487	3547	3550
55	0	0	19	69	204	401	593	569	403	170	12	0	0	0	19	88	292	693	1286	1855	2258	2428	2440	2440
60	0	0	0	20	103	260	438	414	263	77	0	0	0	0	0	20	123	383	821	1235	1498	1575	1575	1575
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	90	131	209	293	423	529	631	613	530	397	181	93	90	221	430	723	1146	1675	2306	2919	3449	3846	4027	4120

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