

# Climatology of the United States

## No. 20

### 1971-2000

**Station: IDYLLWILD FIRE DEPT, CA**

**COOP ID: 044211**

**Climate Division: CA 6**

**NWS Call Sign:**

**Elevation: 5,380 Feet Lat: 33°45N**

**Lon: 116°42W**

### 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	26.8	40.3	80	1953	10	47.0	1986	1	1971	5	34.1	1979	768	0	.0	.0	21.0	.2	23.2	.0
Feb	55.0	27.2	41.1	79	1953	2	48.3	1995	4	1951	28	37.2	1979	684	0	.0	.0	19.4	.4	21.0	.0
Mar	56.8	28.2	42.5	80	1966	31	50.5	1972	3	1966	3	34.2	1973	682	0	.0	.0	23.0	.1	20.5	.0
Apr	62.4	31.5	47.0	85	1961	3	54.1	1989	14	1958	5	37.5	1975	543	2	.0	.0	26.1	.0	14.0	.0
May	69.1	36.7	52.9	93+	2001	31	61.4	1997	21	1959	19	43.5	1977	389	15	.0	.1	29.9	.0	5.6	.0
Jun	77.8	43.7	60.8	99	1974	26	66.1	1981	24	1967	1	56.4	1982	162	35	.0	1.8	29.9	.0	.7	.0
Jul	83.0	50.7	66.9	101	1960	17	71.1	1996	34+	1992	2	62.4	1993	41	99	@	5.1	31.0	.0	.0	.0
Aug	82.5	51.4	67.0	98	1972	22	71.4	1994	27	1968	22	61.6	1976	57	117	.0	3.3	31.0	.0	.0	.0
Sep	78.3	47.1	62.7	99	1982	5	66.1	1979	26+	1968	21	55.0	1986	124	55	.0	1.1	29.9	.0	.5	.0
Oct	69.6	39.0	54.3	93+	1980	1	60.7	1988	11	1971	29	48.4	1972	342	10	.0	.1	30.2	.0	4.6	.0
Nov	60.2	30.7	45.5	80+	1999	13	53.0	1995	10+	1964	19	39.9	1972	586	0	.0	.0	25.8	.1	15.9	.0
Dec	54.6	26.9	40.8	82	1958	4	46.7	2000	2	1968	21	32.4	1971	751	0	.0	.0	22.1	.4	22.9	.0
Ann	66.9	36.7	51.8	101	Jul 1960	17	71.4	Aug 1994	1	Jan 1971	5	32.4	Dec 1971	5129	333	@	11.5	319.3	1.2	128.9	.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: 1948-2001

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

# Climatography of the United States

## No. 20 1971-2000

Station: IDYLLWILD FIRE DEPT, CA

COOP ID: 044211

Climate Division: CA 6

NWS Call Sign:

Elevation: 5,380 Feet Lat: 33°45N

Lon: 116°42W

### 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	5.52	3.52	5.22	1969	25	23.72	1993	.00+	1984	6.9	6.1	3.5	2.0	.00	.25	.98	1.78	2.70	3.78	5.08	6.74	9.08	13.06	17.02	
Feb	5.23	4.80	4.45	1991	28	17.43	1980	.04	1984	6.5	5.5	3.5	1.8	.37	.70	1.37	2.08	2.88	3.81	4.93	6.34	8.31	11.63	14.91	
Mar	5.00	3.45	6.09	1991	1	16.82	1995	.00+	1997	7.5	6.6	3.1	1.6	.00	.36	1.15	1.92	2.76	3.70	4.81	6.18	8.08	11.26	14.38	
Apr	1.76	1.52	2.72	1968	2	7.36	1983	.00+	1993	4.5	3.6	1.2	.3	.00	.00	.37	.67	.97	1.31	1.71	2.21	2.87	3.98	5.06	
May	.77	.37	2.47	1977	9	4.77	1977	.00+	2000	2.4	1.6	.5	.1	.00	.00	.06	.15	.28	.43	.63	.90	1.29	1.99	2.69	
Jun	.23	.00	1.08	1995	16	2.14	1972	.00+	2000	.8	.6	.2	@	.00	.00	.00	.00	.00	.00	.00	.04	.24	.76	1.38	
Jul	.78	.32	1.92	1979	20	3.11	1999	.00+	2000	2.0	1.3	.7	.2	.00	.00	.00	.04	.15	.32	.54	.86	1.34	2.21	3.11	
Aug	.95	.67	1.57	1970	15	3.86	1983	.00+	1997	3.0	1.9	.7	.3	.00	.00	.00	.17	.45	.69	.96	1.27	1.67	2.34	2.96	
Sep	1.02	.57	2.57	1976	11	8.31	1976	.00+	1996	2.6	1.6	.6	.3	.00	.00	.00	.02	.14	.35	.65	1.09	1.75	2.96	4.23	
Oct	1.10	.70	2.37	1979	20	4.39	1987	.00+	1999	3.2	2.1	.7	.2	.00	.00	.19	.37	.56	.78	1.04	1.37	1.81	2.56	3.30	
Nov	2.28	1.63	4.34	1965	23	8.77	1983	.00+	1992	3.8	3.0	1.6	.8	.00	.04	.25	.54	.90	1.35	1.93	2.69	3.80	5.75	7.74	
Dec	3.16	2.53	6.66	1966	5	8.75	1971	.00	1999	5.4	4.3	2.0	1.1	.11	.35	.80	1.25	1.76	2.33	3.01	3.87	5.05	7.04	9.00	
Ann	27.80	23.61	6.66	Dec 1966	5	23.72	Jan 1993	.00+	Jul 2000	48.6	38.2	18.3	8.7	12.01	14.52	18.01	20.86	23.53	26.23	29.13	32.46	36.66	43.04	48.83	

+ 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:  
[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: IDYLLWILD FIRE DEPT, CA

COOP ID: 044211

Climate Division: CA 6

NWS Call Sign:

Elevation: 5,380 Feet

Lat: 33° 45N

Lon: 116° 42W

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	9.1	8.0	2	#	18.0	1974	5	33.1	1982	24	1982	21	8	1974	2.3	2.0	1.3	.6	.3	2.8	2.0	1.6	.9
Feb	5.2	6.0	1	#	18.0	1979	1	18.0	1979	24	1979	2	7	1979	1.9	1.7	1.1	.3	.1	2.0	1.5	.7	.0
Mar	7.0	4.5	1	#	18.5	1991	27	29.8	1982	34	1991	27	7	1991	2.4	2.1	1.0	.5	.2	1.8	1.1	.6	.3
Apr	3.1	.0	#	#	9.0	1975	9	21.0	1975	13	1998	2	4	1998	1.2	1.0	.4	.2	.0	.3	.2	.2	@
May	.6	.0	#	0	6.0	1995	6	11.5	1995	6	1995	6	#+	1995	.3	.2	.1	.1	.0	.1	.1	.1	.0
Jun	#	.0	#	0	#	1995	16	#	1995	#	1995	16	#	1995	.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
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	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.5	1974	29	2.5	1974	4	1971	16	#	1971	.1	@	.0	.0	.0	.0	.0	.0	.0
Nov	2.1	.0	#	0	12.0	1975	28	14.0	1975	14	1975	29	1	1985	.6	.4	.2	.1	.1	.6	.3	.2	.2
Dec	4.6	1.0	#	#	10.0	1984	20	18.1	1972	13	1972	11	3	1972	1.6	1.2	.7	.2	@	1.7	1.2	.7	.2
Ann	31.9	19.5	N/A	N/A	18.5	Mar 1991	27	33.1	Jan 1982	34	Mar 1991	27	8	Jan 1974	10.4	8.6	4.8	2.0	.7	9.3	6.4	4.1	1.6

+ 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)

# Climatography of the United States

## No. 20 1971-2000

Station: IDYLLWILD FIRE DEPT, CA

COOP ID: 044211

Climate Division: CA 6

NWS Call Sign:

Elevation: 5,380 Feet

Lat: 33° 45N

Lon: 116° 42W

<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>	6/29	6/23	6/19	6/15	6/11	6/08	6/04	5/31	5/24
<b>32</b>	6/19	6/12	6/07	6/02	5/29	5/25	5/21	5/16	5/09
<b>28</b>	6/01	5/22	5/15	5/09	5/04	4/28	4/22	4/15	4/05
<b>24</b>	4/25	4/17	4/11	4/07	4/02	3/29	3/24	3/18	3/11
<b>20</b>	4/19	4/07	3/30	3/23	3/16	3/09	3/02	2/21	2/09
<b>16</b>	3/21	3/03	2/17	2/05	1/22	1/06	12/08	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>	8/30	9/07	9/13	9/19	9/24	9/28	10/04	10/10	10/18
<b>32</b>	9/18	9/27	10/03	10/08	10/13	10/18	10/23	10/29	11/06
<b>28</b>	10/08	10/16	10/21	10/25	10/30	11/03	11/07	11/13	11/20
<b>24</b>	10/25	11/03	11/10	11/15	11/20	11/25	12/01	12/07	12/16
<b>20</b>	11/06	11/20	12/01	12/09	12/17	12/26	1/03	1/13	1/28
<b>16</b>	11/17	12/02	12/13	12/23	1/03	1/17	2/09	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>	132	122	115	109	103	98	92	85	75
<b>32</b>	160	152	146	141	136	131	126	119	111
<b>28</b>	212	201	192	185	178	172	164	156	144
<b>24</b>	267	255	246	238	231	224	217	208	196
<b>20</b>	329	311	298	286	276	265	254	241	222
<b>16</b>	>365	>365	>365	>365	>365	352	318	295	271

\* 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: IDYLLWILD FIRE DEPT, CA

COOP ID: 044211

Climate Division: CA 6

NWS Call Sign:

Elevation: 5,380 Feet Lat: 33° 45N

Lon: 116° 42W

### 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
65	768	684	682	543	389	162	41	57	124	342	586	751	5129
60	613	529	546	404	261	76	7	15	51	214	439	596	3751
57	520	445	458	325	198	43	1	5	24	152	356	506	3033
55	458	390	401	276	161	27	0	2	14	116	301	449	2595
50	313	259	268	174	86	7	0	0	2	51	184	309	1653
32	15	9	19	9	0	0	0	0	0	0	5	25	82

Base	Cooling Degree Days (1)												
	Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
32	270	264	343	458	649	863	1080	1083	921	691	409	297	7328
55	0	0	13	35	97	200	367	371	245	95	15	8	1446
57	0	0	8	24	71	156	306	313	195	68	9	3	1153
60	0	0	2	13	41	100	219	229	132	37	3	0	776
65	0	0	0	2	15	35	99	117	55	10	0	0	333
70	0	0	0	0	3	8	27	43	15	1	0	0	97

### 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	105	116	162	267	452	677	883	872	708	474	220	122	105	221	383	650	1102	1779	2662	3534	4242	4716	4936	5058
45	39	45	75	149	308	528	728	717	558	329	112	45	39	84	159	308	616	1144	1872	2589	3147	3476	3588	3633
50	4	8	28	68	181	383	573	562	411	196	45	6	4	12	40	108	289	672	1245	1807	2218	2414	2459	2465
55	0	0	0	21	84	242	418	407	273	96	8	0	0	0	0	21	105	347	765	1172	1445	1541	1549	1549
60	0	0	0	1	27	126	266	257	147	31	1	0	0	0	0	1	28	154	420	677	824	855	856	856
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	97	105	134	207	313	448	574	574	463	317	172	112	97	202	336	543	856	1304	1878	2452	2915	3232	3404	3516

(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)