

# Climatography of the United States

No. 20

1971-2000

Station: SILVERPEAK, NV

COOP ID: 267463

Climate Division: NV 3

NWS Call Sign:

Elevation: 4,260 Feet Lat: 37°46N

Lon: 117°34W

## 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	47.3	19.4	33.4	72	1975	24	39.6	1980	-22	1974	2	24.7	1987	981	0	.0	.0	13.0	1.9	29.4	.6
Feb	55.1	25.1	40.1	77	1981	18	45.6	1995	-21	1989	6	32.2	1976	698	0	.0	.0	20.2	.6	24.4	.2
Mar	61.8	32.5	47.2	84	1986	28	52.3	1972	4	1997	3	41.1	1973	554	0	.0	.0	27.6	@	16.2	.0
Apr	70.2	38.8	54.5	89+	1984	5	61.5	1992	11	1989	24	48.6	1999	327	12	.0	.0	29.2	.0	6.2	.0
May	79.5	48.2	63.9	101	1997	30	69.7+	1992	26	1970	10	57.3	1998	143	107	.1	4.7	30.9	.0	.4	.0
Jun	90.5	57.0	73.8	107	1974	29	79.5	1974	35	1982	6	67.9	1995	15	277	3.2	17.6	30.0	.0	.0	.0
Jul	97.3	62.4	79.9	111+	1975	23	84.9	1975	41	1985	18	75.3	1983	0	459	11.5	28.0	31.0	.0	.0	.0
Aug	95.4	59.7	77.6	111	1997	6	81.1	1971	36	1990	19	73.5	1990	0	390	7.0	26.3	31.0	.0	.0	.0
Sep	86.4	50.9	68.7	104+	1975	7	74.6	1979	28	1986	25	62.9	1986	51	160	.6	11.9	30.0	.0	.2	.0
Oct	73.4	38.1	55.8	104	1980	1	62.2	1979	12	1989	30	51.3	1998	302	16	.1	.8	30.3	.0	7.7	.0
Nov	57.4	27.0	42.2	79	1980	6	48.7	1974	-2	1985	12	34.6	1994	685	0	.0	.0	22.6	.2	23.5	.1
Dec	47.0	18.1	32.6	69	1974	1	38.8	1973	-14	1984	22	23.4	1990	1006	0	.0	.0	11.4	1.9	29.7	.7
Ann	71.8	39.8	55.8	111+	Aug 1997	6	84.9	Jul 1975	-22	Jan 1974	2	23.4	Dec 1990	4762	1421	22.5	89.3	307.2	4.6	137.7	1.6

+ 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: 1967-2001

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

050-A

# 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: SILVERPEAK, NV**

**COOP ID: 267463**

**Climate Division: NV 3**

**NWS Call Sign:**

**Elevation: 4,260 Feet Lat: 37°46N**

**Lon: 117°34W**

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	.35	.16	1.35	1990	17	3.49	1990	.00+	1996	2.3	.9	.1	.1	.00	.00	.00	.03	.08	.15	.25	.38	.59	.96	1.35
Feb	.34	.16	1.51	1976	6	2.86	1976	.00+	1999	3.0	1.0	.1	@	.00	.00	.01	.05	.10	.17	.27	.40	.59	.92	1.27
Mar	.64	.30	2.25	1975	11	4.14	1975	.00	1972	4.0	1.8	.3	.1	.00	.02	.07	.14	.23	.35	.51	.73	1.05	1.63	2.23
Apr	.36	.15	1.45	1988	14	2.19	1988	.00+	1997	2.7	.9	.2	@	.00	.00	.00	.01	.07	.15	.26	.41	.64	1.03	1.44
May	.40	.14	.78	1981	27	1.78	1981	.00+	2000	3.1	1.4	.1	.0	.00	.00	.00	.00	.06	.16	.30	.47	.72	1.15	1.57
Jun	.27	.09	.79	1998	3	1.64	1998	.00+	1992	2.0	.8	.1	.0	.00	.00	.00	.00	.02	.09	.18	.30	.49	.81	1.13
Jul	.39	.17	1.11	1976	17	3.49	1984	.00+	2000	2.1	1.1	.2	@	.00	.00	.00	.00	.06	.16	.28	.45	.69	1.12	1.56
Aug	.47	.25	1.27	2000	30	2.36	1983	.00+	1997	2.6	1.4	.2	@	.00	.00	.01	.07	.15	.25	.38	.55	.80	1.24	1.69
Sep	.52	.21	1.03	1975	8	3.55	1975	.00+	2000	2.3	1.1	.4	.1	.00	.00	.00	.05	.13	.24	.39	.59	.89	1.43	1.98
Oct	.55	.18	1.04	1972	1	6.12	2000	.00+	1999	2.7	1.6	.2	@	.00	.00	.00	.04	.10	.21	.36	.58	.92	1.57	2.26
Nov	.27	.15	.60+	1982	30	.92	1982	.00+	2000	2.1	.8	.2	.0	.00	.00	.00	.00	.09	.17	.26	.36	.49	.71	.91
Dec	.16	.06	.50	1975	12	.84	1996	.00+	1999	1.7	.6	@	.0	.00	.00	.00	.00	.00	.06	.12	.19	.29	.47	.64
Ann	4.72	3.94	2.25	Mar 1975	11	6.12	Oct 2000	.00+	Nov 2000	30.6	13.4	2.1	.3	1.79	2.23	2.86	3.38	3.88	4.38	4.93	5.57	6.38	7.62	8.76

+ 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: 1967-2001

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

Complete documentation available from:  
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

# 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](http://www.ncdc.noaa.gov)

Station: SILVERPEAK, NV

COOP ID: 267463

Climate Division: NV 3

NWS Call Sign:

Elevation: 4,260 Feet

Lat: 37°46N

Lon: 117°34W

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	.7	.0	0	0	2.8	1977	5	5.3	1977	0	0	0	0	0	.8	.2	.0	.0	.0	.0	.0	.0	.0
Feb	2.4	.0	0	0	20.0	1976	6	32.6	1976	0	0	0	0	0	.5	.2	.2	.2	.1	.0	.0	.0	.0
Mar	1.1	.0	#	0	6.0	1977	30	6.0	1977	6+	1977	30	#+	1977	.5	.2	.2	.1	.0	.1	.1	.1	.0
Apr	.2	.0	0	0	1.0	1972	13	1.2	1972	0	0	0	0	0	.4	.1	.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
Jun	.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
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	.4	.0	0	0	4.0	1978	30	4.0	1978	0	0	0	0	0	.1	.1	.1	.0	.0	.0	.0	.0	.0
Nov	.1	.0	0	0	1.2	1973	26	1.2	1973	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Dec	.1	.0	#	0	.5	1971	15	1.0	1971	#	1982	29	#	1982	.3	.0	.0	.0	.0	.0	.0	.0	.0
Ann	5.0	.0	N/A	N/A	20.0	Feb 1976	6	32.6	Feb 1976	6+	Mar 1977	30	#+	Dec 1982	2.7	.9	.5	.3	.1	.1	.1	.1	.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/normals/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normals/usnormals.html)

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

**Station: SILVERPEAK, NV**

**COOP ID: 267463**

**Climate Division: NV 3**

**NWS Call Sign:**

**Elevation: 4,260 Feet**

**Lat: 37° 46N**

**Lon: 117° 34W**

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	5/26	5/20	5/16	5/12	5/09	5/05	5/02	4/27	4/22
32	5/13	5/07	5/03	4/29	4/26	4/22	4/18	4/14	4/08
28	4/29	4/22	4/17	4/12	4/08	4/03	3/30	3/24	3/17
24	4/22	4/13	4/07	4/02	3/28	3/23	3/17	3/11	3/03
20	4/03	3/25	3/18	3/13	3/07	3/02	2/24	2/18	2/08
16	3/22	3/11	3/02	2/23	2/17	2/10	2/03	1/26	1/15
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	9/15	9/21	9/25	9/29	10/03	10/06	10/10	10/14	10/20
32	9/29	10/04	10/08	10/11	10/14	10/17	10/21	10/24	10/30
28	10/05	10/11	10/16	10/19	10/23	10/26	10/30	11/04	11/10
24	10/18	10/23	10/27	10/31	11/03	11/06	11/10	11/14	11/19
20	10/22	10/28	11/02	11/06	11/10	11/13	11/17	11/22	11/29
16	11/03	11/09	11/13	11/17	11/21	11/24	11/28	12/02	12/08
Freeze Free Period									
Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	172	163	157	151	146	141	135	129	120
32	196	187	181	176	171	166	161	155	146
28	232	220	212	204	198	191	183	175	163
24	254	242	234	226	220	213	206	197	185
20	280	269	261	253	247	240	233	225	213
16	315	302	292	284	276	268	260	250	237

\* 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)

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

**Station: SILVERPEAK, NV**

**COOP ID: 267463**

**Climate Division: NV 3**

**NWS Call Sign:**

**Elevation: 4,260 Feet    Lat: 37° 46N    Lon: 117° 34W**

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	981	698	554	327	143	15	0	0	51	302	685	1006	4762
60	826	558	402	204	72	3	0	0	16	182	536	851	3650
57	733	474	317	144	43	1	0	0	7	124	448	758	3049
55	671	419	262	110	29	0	0	0	4	92	391	696	2674
50	517	288	149	46	10	0	0	0	0	37	261	544	1852
32	97	17	1	0	0	0	0	0	0	0	18	123	256

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	139	244	471	675	987	1252	1482	1412	1099	737	323	140	8961
55	0	1	19	95	303	562	769	699	413	116	6	0	2983
57	0	0	11	68	255	503	707	637	356	85	3	0	2625
60	0	0	4	38	191	415	614	544	275	51	1	0	2133
65	0	0	0	12	107	277	459	390	160	16	0	0	1421
70	0	0	0	2	48	159	307	240	76	4	0	0	836

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	18	81	243	431	738	1010	1239	1164	858	490	128	13	18	99	342	773	1511	2521	3760	4924	5782	6272	6400	6413
45	0	27	127	290	583	860	1084	1009	708	345	52	0	0	27	154	444	1027	1887	2971	3980	4688	5033	5085	5085
50	0	1	51	172	433	710	929	854	559	214	13	0	0	1	52	224	657	1367	2296	3150	3709	3923	3936	3936
55	0	0	13	84	295	561	774	699	411	109	0	0	0	0	13	97	392	953	1727	2426	2837	2946	2946	2946
60	0	0	0	31	171	414	619	544	269	39	0	0	0	0	0	31	202	616	1235	1779	2048	2087	2087	2087
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	37	98	190	307	472	630	754	712	548	365	135	29	37	135	325	632	1104	1734	2488	3200	3748	4113	4248	4277

(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> |
|---|---|

## 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)