

# Climatography of the United States

No. 20

1971-2000

Station: SEARCHLIGHT, NV

COOP ID: 267369

Climate Division: NV 4

NWS Call Sign:

Elevation: 3,540 Feet Lat: 35° 28N

Lon: 114° 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	52.7	35.3	44.0	77	1971	20	49.8	1986	8	1963	12	36.4	1979	650	0	.0	.0	23.1	.2	8.4	.0
Feb	57.6	38.2	47.9	81+	1986	25	54.3	1995	11	1989	6	43.0	1998	479	0	.0	.0	24.9	.2	4.9	.0
Mar	63.2	41.2	52.2	90	1981	25	61.1	1972	20	1966	3	44.7	1973	412	14	.0	@	30.0	.0	2.4	.0
Apr	71.3	47.7	59.5	94+	1949	22	67.6	1989	28	1955	21	52.9	1975	219	53	.0	.4	29.9	.0	.5	.0
May	80.9	55.5	68.2	102+	1951	26	76.2	1997	31	1975	21	61.0	1977	81	182	.4	5.9	31.0	.0	@	.0
Jun	91.8	65.3	78.6	109	1954	22	83.3	1981	40	1995	17	74.1	1991	3	410	6.4	21.6	30.0	.0	.0	.0
Jul	96.5	70.8	83.7	111	1998	17	87.8	1996	52	1987	19	79.6	1987	0	579	12.8	29.4	31.0	.0	.0	.0
Aug	94.7	69.8	82.3	107+	1979	1	86.4	1995	53	1968	22	78.6	1976	0	535	8.1	27.7	31.0	.0	.0	.0
Sep	87.3	63.5	75.4	107	1950	1	78.7	1995	41+	1982	30	67.1	1986	6	318	1.3	15.1	30.0	.0	.0	.0
Oct	75.6	53.2	64.4	98	1978	7	71.3	1988	23	1971	27	58.7	1984	125	107	.0	2.3	31.0	.0	.3	.0
Nov	61.7	42.0	51.9	84	1965	3	59.8	1999	21	1976	28	44.6	1994	405	10	.0	.0	28.1	.0	2.7	.0
Dec	52.7	35.6	44.2	75	1977	5	51.7	1980	8	1990	23	38.1	1971	648	0	.0	.0	22.9	.2	8.6	.0
Ann	73.8	51.5	62.7	111	Jul 1998	17	87.8	Jul 1996	8+	Dec 1990	23	36.4	Jan 1979	3028	2208	29.0	102.4	342.9	.6	27.8	.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

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## No. 20

### 1971-2000

National Climatic Data Center  
Federal Building  
151 Patton Avenue  
Asheville, North Carolina 28801  
www.ncdc.noaa.gov

Station: SEARCHLIGHT, NV

COOP ID: 267369

Climate Division: NV 4

NWS Call Sign:

Elevation: 3,540 Feet Lat: 35°28N

Lon: 114°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	.97	.60	1.29	1955	3	3.72	1993	.00+	2000	3.6	2.4	.7	@	.00	.00	.06	.23	.41	.62	.88	1.20	1.66	2.41	3.19
Feb	1.14	.65	1.97	1980	14	4.95	1980	.00+	1984	3.6	2.7	.8	.3	.00	.00	.15	.32	.51	.75	1.03	1.40	1.91	2.79	3.67
Mar	1.07	.69	1.74	1954	23	5.07	1992	.00+	1997	3.7	2.8	.8	@	.00	.00	.02	.14	.31	.54	.83	1.24	1.83	2.87	3.97
Apr	.33	.06	1.32	1957	21	1.53	1988	.00+	2000	1.6	.9	.2	@	.00	.00	.00	.00	.01	.08	.19	.34	.57	1.00	1.44
May	.23	.15	1.17	1958	11	1.01	1971	.00+	2000	1.5	.7	.1	.0	.00	.00	.00	.03	.08	.13	.19	.28	.40	.62	.83
Jun	.08	.01	.48+	1969	17	.48	1990	.00+	2000	.7	.3	.0	.0	.00	.00	.00	.00	.00	.00	.04	.08	.15	.26	.37
Jul	.97	.62	2.07	1979	20	4.97	1984	.00+	1993	2.5	1.7	.7	.2	.00	.00	.03	.17	.34	.55	.82	1.17	1.67	2.54	3.44
Aug	1.13	.70	4.50	1982	13	7.82	1982	.00+	1987	2.8	1.8	.6	.3	.00	.00	.08	.22	.39	.62	.92	1.32	1.89	2.92	3.98
Sep	.72	.54	3.20	1976	11	5.93	1976	.00+	2000	2.2	1.5	.5	.1	.00	.00	.00	.00	.21	.40	.63	.92	1.31	1.95	2.58
Oct	.51	.30	1.53	1992	24	2.25	1987	.00+	1999	2.0	1.4	.3	.1	.00	.00	.03	.11	.20	.32	.45	.63	.88	1.30	1.73
Nov	.47	.25	2.25	1960	6	2.81	1978	.00+	2000	1.5	1.0	.3	.1	.00	.00	.00	.00	.06	.17	.32	.52	.83	1.37	1.93
Dec	.69	.34	2.44	1986	7	4.07	1984	.00+	2000	2.3	1.6	.4	.1	.00	.00	.00	.04	.14	.29	.49	.78	1.20	1.96	2.74
Ann	8.31	6.88	4.50	Aug 1982	13	7.82	Aug 1982	.00+	Dec 2000	28.0	18.8	5.4	1.2	2.94	3.73	4.86	5.82	6.73	7.67	8.70	9.89	11.41	13.76	15.92

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

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Station: SEARCHLIGHT, NV

COOP ID: 267369

Climate Division: NV 4

NWS Call Sign:

Elevation: 3,540 Feet

Lat: 35°28N

Lon: 114°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	.4	.0	#	0	8.5	1974	5	8.5	1974	5	1979	31	#	1979	.2	.2	.1	.1	.0	@	@	@	.0
Feb	#	.0	#	0	#	1981	8	#+	1981	5	1979	1	#	1979	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	.0	.0	#	0	.5	1974	8	.5	1974	2	1975	14	#	1975	@	.0	.0	.0	.0	.0	.0	.0	.0
Apr	#	.0	0	0	#	1978	9	#+	1978	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
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	.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	#	1975	29	#	1975	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.1	.0	#	0	.7	1972	8	1.2	1972	1	1972	5	#	1972	.1	.0	.0	.0	.0	@	.0	.0	.0
Ann	.5	.0	N/A	N/A	8.5	Jan 1974	5	8.5	Jan 1974	5+	Feb 1979	1	#+	Feb 1979	.3	.2	.1	.1	.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

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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	5/01	4/22	4/16	4/11	4/06	4/01	3/27	3/20	3/12
32	4/18	4/08	3/31	3/25	3/19	3/13	3/07	2/27	2/17
28	3/13	2/28	2/19	2/11	2/04	1/27	1/19	1/09	12/25
24	2/26	2/13	2/04	1/26	1/18	1/09	12/29	12/08	0/00
20	1/30	1/18	1/06	0/00	0/00	0/00	0/00	0/00	0/00
16	1/16	12/21	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	10/20	10/26	10/30	11/03	11/07	11/10	11/14	11/19	11/25
32	11/02	11/08	11/12	11/16	11/20	11/23	11/27	12/01	12/07
28	11/15	11/23	11/29	12/04	12/09	12/14	12/19	12/26	1/08
24	11/25	12/09	12/19	12/29	1/07	1/18	2/01	0/00	0/00
20	12/22	1/06	1/23	0/00	0/00	0/00	0/00	0/00	0/00
16	1/03	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	246	235	227	221	214	208	201	193	182
32	281	269	260	252	245	238	230	221	209
28	>365	340	324	313	304	296	287	277	264
24	>365	>365	>365	>365	>365	338	318	301	282
20	>365	>365	>365	>365	>365	>365	>365	>365	350
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

Complete documentation available from:

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**Climate Division: NV 4      NWS Call Sign:      Elevation: 3,540 Feet    Lat: 35° 28N      Lon: 114° 55W**

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	650	479	412	219	81	3	0	0	6	125	405	648	3028
60	495	342	281	130	35	0	0	0	1	60	277	496	2117
57	408	265	215	88	19	0	0	0	0	35	210	410	1650
55	350	216	177	64	12	0	0	0	0	23	172	354	1368
50	218	116	97	25	3	0	0	0	0	7	94	229	789
32	7	0	0	0	0	0	0	0	0	0	1	13	21

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	380	445	625	824	1123	1397	1602	1558	1302	1005	597	388	11246
55	10	17	89	198	423	707	889	845	612	315	77	17	4199
57	6	10	65	162	367	647	827	783	552	266	56	11	3752
60	0	3	38	114	290	557	734	690	462	198	32	4	3122
65	0	0	14	53	182	410	579	535	318	107	10	0	2208
70	0	0	4	20	100	271	424	381	189	47	2	0	1438

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	199	284	434	629	921	1191	1387	1334	1091	789	389	200	199	483	917	1546	2467	3658	5045	6379	7470	8259	8648	8848
45	94	168	287	479	766	1041	1232	1179	941	634	255	95	94	262	549	1028	1794	2835	4067	5246	6187	6821	7076	7171
50	35	75	162	344	612	891	1077	1024	791	484	145	31	35	110	272	616	1228	2119	3196	4220	5011	5495	5640	5671
55	3	27	77	214	462	741	922	869	642	344	67	1	3	30	107	321	783	1524	2446	3315	3957	4301	4368	4369
60	0	3	28	116	314	591	767	714	493	213	20	0	0	3	31	147	461	1052	1819	2533	3026	3239	3259	3259
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	95	156	251	396	601	772	897	872	722	498	216	97	95	251	502	898	1499	2271	3168	4040	4762	5260	5476	5573

(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.

- 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)