

Climatology of the United States

No. 20

1971-2000

Station: SUTCLIFFE, NV

COOP ID: 267953

Climate Division: NV 1

NWS Call Sign:

Elevation: 3,900 Feet Lat: 39° 57N

Lon: 119° 36W

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	45.1	28.4	36.8	65	1998	19	43.6	1986	9+	1972	4	31.2	1985	876	0	.0	.0	5.7	1.9	24.6	.8
Feb	49.4	31.1	40.3	73	1982	22	45.3	1995	-4	1989	7	32.1	1989	693	0	.0	.0	10.2	.9	18.3	.2
Mar	56.0	35.6	45.8	76+	1969	31	50.9	1972	10	1971	2	39.5	1985	596	0	.0	.0	23.4	@	12.6	.0
Apr	62.7	39.8	51.3	83+	1977	7	57.7	1992	20	1968	17	44.6	1975	418	5	.0	.0	27.1	.0	7.9	.0
May	71.2	47.3	59.3	91+	1972	31	67.1	1992	28	1968	6	51.7	1977	220	42	.0	.2	30.6	.0	1.5	.0
Jun	81.0	54.9	68.0	103	1977	28	72.1	1986	36+	1971	2	63.0	1980	49	138	@	3.8	29.9	.0	.0	.0
Jul	88.3	62.3	75.3	105	1967	2	79.6	1988	46	1983	10	70.6	1983	3	322	.3	13.9	31.0	.0	.0	.0
Aug	87.0	61.9	74.5	103	1981	8	78.4	1986	43+	1968	17	67.3	1976	6	300	.3	11.0	31.0	.0	.0	.0
Sep	78.8	55.0	66.9	98	1988	7	70.2	1995	29	1977	23	61.5	1986	60	116	.0	1.8	30.0	.0	.9	.0
Oct	66.5	45.6	56.1	90	1992	1	62.0	1988	14	1967	29	48.5	1984	296	19	.0	@	29.8	.0	4.1	.0
Nov	53.6	35.6	44.6	75	1980	8	51.7	1995	14	1981	25	37.1	1994	612	0	.0	.0	20.8	.1	14.1	.0
Dec	46.0	29.1	37.6	70	1995	1	43.4	1995	-8	1990	22	27.8	1990	852	0	.0	.0	8.1	1.7	23.6	.6
Ann	65.5	43.9	54.7	105	Jul 1967	2	79.6	Jul 1988	-8	Dec 1990	22	27.8	Dec 1990	4681	942	.6	30.7	277.6	4.6	107.6	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

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

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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: SUTCLIFFE, NV

COOP ID: 267953

Climate Division: NV 1

NWS Call Sign:

Elevation: 3,900 Feet Lat: 39°57N

Lon: 119°36W

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	1.17	.67	1.95	2000	16	4.37	2000	.01	1994	5.1	2.5	.5	.2	.04	.09	.21	.35	.53	.75	1.03	1.39	1.91	2.82	3.75
Feb	.86	.69	1.00	1980	19	2.70	1996	.05	1988	5.4	2.1	.4	@	.10	.17	.29	.41	.54	.68	.85	1.05	1.33	1.79	2.23
Mar	.84	.56	1.35	1991	4	3.14	1991	.00	1972	6.5	2.5	.4	@	.02	.08	.19	.31	.45	.60	.78	1.02	1.35	1.90	2.45
Apr	.49	.46	.85	1982	1	1.61	1982	.00+	1985	5.0	1.5	.1	.0	.00	.06	.15	.23	.31	.39	.49	.61	.77	1.03	1.29
May	.66	.39	1.10	1971	21	3.29	1971	.00+	1985	4.7	1.9	.3	.1	.00	.01	.06	.14	.24	.37	.54	.77	1.11	1.71	2.33
Jun	.52	.34	.99	1995	16	1.56	1995	.00+	1994	4.1	1.7	.3	.0	.00	.02	.08	.15	.24	.34	.46	.62	.85	1.24	1.64
Jul	.24	.17	.65	1967	28	1.26	1974	.00+	2000	1.7	.4	@	.0	.00	.00	.00	.00	.07	.14	.21	.30	.43	.63	.83
Aug	.28	.12	.75	1999	7	1.49	1979	.00+	1997	1.9	.9	.2	.0	.00	.00	.00	.00	.05	.12	.21	.33	.49	.78	1.07
Sep	.46	.26	.84	1984	19	3.09	1998	.00+	1999	3.1	1.5	.2	.0	.00	.00	.01	.06	.14	.24	.37	.54	.80	1.24	1.71
Oct	.45	.40	.43	1969	16	1.55	1993	.00+	1995	3.6	1.4	.0	.0	.00	.00	.11	.19	.27	.35	.45	.57	.72	.98	1.23
Nov	.89	.50	1.32	1981	14	3.10	1983	.00	1986	4.6	1.9	.4	.1	.02	.08	.20	.32	.46	.63	.83	1.08	1.44	2.04	2.63
Dec	.81	.46	.96	1969	24	3.23	1996	.00	1989	5.3	2.2	.3	.0	.01	.06	.16	.27	.40	.55	.74	.97	1.31	1.89	2.47
Ann	7.67	6.58	1.95	Jan 2000	16	4.37	Jan 2000	.00+	Jul 2000	51.0	20.5	3.1	.4	3.58	4.25	5.17	5.91	6.60	7.29	8.03	8.88	9.93	11.53	12.97

+ 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

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Station: SUTCLIFFE, NV

COOP ID: 267953

Climate Division: NV 1

NWS Call Sign:

Elevation: 3,900 Feet

Lat: 39°57N

Lon: 119°36W

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	2.2	2.4	#	#	6.5	1997	23	6.5	1997	7	1997	23	1	1997	1.3	.8	.2	.1	.0	1.2	.5	.2	.0
Feb	1.4	.0	#	#	6.0	1990	17	7.5+	1993	9	1989	5	2	1990	.9	.7	.2	.1	.0	.8	.4	.3	.0
Mar	.7	.0	#	0	4.0	1985	1	4.0	1991	4	1991	15	#+	1999	.4	.3	.2	.0	.0	.1	.1	.0	.0
Apr	.2	.0	#	0	3.0	1982	8	3.0	1982	4	1972	13	#+	1999	.1	.1	@	.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	.1	.0	0	0	1.0	1971	27	1.0	1971	0	0	0	0	0	@	@	.0	.0	.0	.0	.0	.0	.0
Nov	.4	.0	#	0	7.0	1994	18	7.1	1994	7	1994	18	1	1994	.1	.1	.1	.1	.0	.3	.2	.1	.0
Dec	1.0	.0	#	0	5.0	1996	22	6.3	1990	6	1971	28	1	1996	.8	.4	.2	.1	.0	1.3	.5	.1	.0
Ann	6.0	2.4	N/A	N/A	7.0	Nov 1994	18	7.5+	Feb 1993	9	Feb 1989	5	2	Feb 1990	3.6	2.4	.9	.4	.0	3.7	1.7	.7	.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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NWS Call Sign:

Elevation: 3,900 Feet

Lat: 39° 57N

Lon: 119° 36W

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	6/07	5/29	5/23	5/18	5/13	5/08	5/02	4/26	4/17
32	5/20	5/11	5/04	4/28	4/22	4/17	4/11	4/04	3/25
28	5/09	4/25	4/16	4/07	3/31	3/23	3/15	3/05	2/19
24	4/27	4/10	3/29	3/19	3/09	2/28	2/18	2/05	1/20
20	4/10	3/23	3/10	2/27	2/17	2/07	1/27	1/14	12/27
16	3/20	3/03	2/19	2/07	1/27	1/15	12/29	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	9/10	9/20	9/27	10/04	10/10	10/16	10/22	10/30	11/09
32	9/23	10/04	10/12	10/18	10/25	10/31	11/07	11/15	11/26
28	9/29	10/11	10/20	10/27	11/03	11/10	11/17	11/26	12/08
24	10/22	11/02	11/10	11/16	11/23	11/29	12/06	12/13	12/24
20	10/28	11/11	11/21	11/29	12/07	12/15	12/24	1/03	1/16
16	11/17	11/29	12/09	12/17	12/25	1/04	1/16	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	199	182	170	159	150	140	129	117	100
32	236	219	206	195	185	174	164	151	133
28	280	258	243	229	217	204	191	175	153
24	329	305	287	272	257	243	228	210	186
20	>365	341	321	305	290	275	260	241	216
16	>365	>365	>365	>365	340	317	298	278	252

* 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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Lon: 119° 36W

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	876	693	596	418	220	49	3	6	60	296	612	852	4681
60	721	553	444	283	125	14	0	0	18	179	465	697	3499
57	628	469	356	212	81	5	0	0	7	124	380	604	2866
55	566	413	300	171	58	3	0	0	3	93	326	542	2475
50	417	282	178	89	21	0	0	0	0	39	205	397	1628
32	46	15	2	0	0	0	0	0	0	0	8	47	118

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	194	246	429	578	845	1079	1342	1316	1047	746	385	218	8425
55	0	1	14	59	190	392	629	603	360	126	14	1	2389
57	0	0	8	40	151	334	567	541	304	94	7	0	2046
60	0	0	2	21	102	253	474	448	225	57	3	0	1585
65	0	0	0	5	42	138	322	300	116	19	0	0	942
70	0	0	0	0	14	58	185	168	45	4	0	0	474

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	33	63	172	311	555	832	1099	1035	761	463	146	41	33	96	268	579	1134	1966	3065	4100	4861	5324	5470	5511
45	5	18	80	188	404	683	944	880	611	316	67	11	5	23	103	291	695	1378	2322	3202	3813	4129	4196	4207
50	0	0	23	97	264	535	789	725	462	191	22	2	0	0	23	120	384	919	1708	2433	2895	3086	3108	3110
55	0	0	1	41	147	388	634	571	320	96	3	0	0	0	1	42	189	577	1211	1782	2102	2198	2201	2201
60	0	0	0	12	74	251	480	420	195	33	0	0	0	0	0	12	86	337	817	1237	1432	1465	1465	1465
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	16	29	100	194	338	530	731	694	499	274	79	22	16	45	145	339	677	1207	1938	2632	3131	3405	3484	3506

(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

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
- 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">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/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