U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

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: GOLCONDA, NV **COOP ID: 263245**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 4,415 Feet** **Lat: 40˚57N** **Lon: 117˚29W**

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	40.9	18.3	29.6	67	1971	18	38.3	1986	-28	1949	25	20.2	1993	1098	0	.0	.0	6.1	5.4	27.8	1.4
Feb	46.9	22.8	34.9	70+	1954	25	42.1	1995	-20	1989	6	26.4	1989	844	0	.0	.0	12.7	1.7	23.8	.5
Mar	53.3	26.9	40.1	80	1966	30	45.5	1986	0	1952	2	33.6	1977	772	0	.0	.0	22.7	.1	21.7	.0
Apr	60.8	30.9	45.9	88	1987	27	52.4	1992	8	1955	3	38.7	1975	576	1	.0	.0	26.8	.0	14.8	.0
May	70.3	38.1	54.2	98	1986	30	62.4	1992	15	1965	6	47.8	1977	351	17	.0	1.2	30.6	.0	5.0	.0
Jun	81.7	45.9	63.8	104+	1954	22	69.1	1986	21	1951	1	57.3	1980	126	90	.5	8.8	30.0	.0	.5	.0
Jul	91.2	51.9	71.6	107	1960	19	76.5	1996	31	1997	1	65.6	1993	23	227	4.0	22.1	31.0	.0	.0	.0
Aug	89.9	49.9	69.9	109	1951	2	73.9	1994	27	1951	30	62.9	1976	35	187	2.1	20.5	31.0	.0	.0	.0
Sep	80.2	41.3	60.8	102	1950	2	65.7	1990	16	1965	18	53.7	1986	176	47	.0	6.0	30.0	.0	3.4	.0
Oct	67.4	31.4	49.4	91	1979	6	55.8	1988	5	1971	29	42.5	1984	485	1	.0	.2	29.1	.0	14.5	.0
Nov	50.8	24.0	37.4	76+	1951	8	44.1	1995	-7	1955	15	30.5	1985	829	0	.0	.0	16.5	.6	23.3	.1
Dec	41.3	17.8	29.6	68	1977	3	37.6	1977	-33	1990	22	19.0	1990	1099	0	.0	.0	6.1	4.4	28.3	1.4
Ann	64.6	33.3	48.9	109	Aug 1951	2	76.5	Jul 1996	-33	Dec 1990	22	19.0	Dec 1990	6414	570	6.6	58.8	272.6	12.2	163.1	3.4

\+ 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/normals/usnormals.html

(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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Precipitation (inches)

Precipitation Totals

Month	Means/ Medians(1) Mean	Means/ Medians(1) Median	Extremes Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year
Jan	.70	.62	.76	1996	25	2.05	1996	.00	1992
Feb	.65	.50	1.11	1998	24	2.14	1998	.15+	1977
Mar	.82	.76	.65	1979	1	1.91	1983	.18	1977
Apr	.62	.57	.80	1952	8	1.83	1978	.05	1972
May	1.03	.84	.99	2000	17	3.96	1998	.00	1974
Jun	.69	.60	1.28	1977	9	2.11	1998	.00+	1986
Jul	.25	.14	.68	1998	31	1.06	1982	.00+	2000
Aug	.35	.11	1.35	1975	19	2.36	1983	.00+	1998
Sep	.47	.20	.93	1976	15	2.35	1982	.00+	1987
Oct	.53	.46	.68	1963	12	1.63	1984	.00+	1995
Nov	.79	.75	1.26	1950	18	1.96	1985	.04	1974
Dec	.75	.57	1.12	1956	6	3.39	1996	.00	1986
Ann	7.65	6.83	1.35	Aug 1975	19	3.96	May 1998	.00+	Jul 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	6.4	2.7	.1	.0
Feb	6.4	2.1	.1	@
Mar	7.5	2.8	.1	.0
Apr	5.7	2.0	.2	.0
May	6.3	3.2	.4	.0
Jun	4.3	2.4	.2	@
Jul	1.9	.7	.1	.0
Aug	2.4	.9	.1	@
Sep	3.0	1.3	.2	.0
Oct	4.0	1.7	.1	.0
Nov	6.6	2.8	.2	.0
Dec	5.7	2.7	.1	.0
Ann	60.2	25.3	1.9	@

Precipitation Probabilities (1)

Probability that the monthly/annual precipitation will be equal to or less than the indicated amount

Monthly/Annual Precipitation vs Probability Levels
These values were determined from the incomplete gamma distribution

Month	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	.06	.13	.25	.35	.46	.57	.70	.86	1.08	1.43	1.77
Feb	.12	.18	.28	.36	.45	.55	.66	.79	.96	1.24	1.51
Mar	.19	.27	.39	.49	.60	.71	.84	.99	1.19	1.51	1.81
Apr	.08	.13	.22	.31	.40	.50	.62	.76	.96	1.28	1.58
May	.04	.12	.27	.42	.58	.77	.99	1.26	1.64	2.28	2.91
Jun	.00	.00	.10	.23	.35	.50	.66	.87	1.15	1.62	2.08
Jul	.00	.00	.00	.04	.08	.14	.21	.31	.44	.67	.91
Aug	.00	.00	.00	.00	.05	.13	.23	.39	.61	1.02	1.44
Sep	.00	.01	.05	.11	.19	.28	.40	.55	.78	1.18	1.58
Oct	.00	.00	.09	.17	.26	.37	.50	.66	.88	1.26	1.63
Nov	.08	.13	.24	.35	.47	.61	.77	.97	1.24	1.70	2.14
Dec	.02	.08	.19	.29	.41	.55	.72	.92	1.21	1.69	2.16
Ann	4.09	4.71	5.54	6.20	6.80	7.40	8.03	8.74	9.63	10.95	12.13

+ 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

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Snow (inches)

Snow Totals

Means/Medians (1)

Extremes (2)

Mean Number of Days (1)

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	1.9	2.0	1	#	3.5	1988	4	3.8	1987	5+	1991	9	4	1983	1.7	1.2	.2	.0	.0	4.0	1.7	.3	.0
Feb	2.6	.0	#	0	5.5	1989	2	13.0	1989	8	1989	3	4	1975	1.5	1.0	.3	.1	.0	1.8	1.0	.6	.0
Mar	1.3	.0	#	0	9.5	1987	19	9.5	1987	6	1987	19	3	1985	.3	.2	.1	.1	.0	.1	.1	.1	.0
Apr	#	.0	0	0	#	1989	24	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.5	1986	6	.5	1986	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	.3	.0	0	0	4.0	1984	17	7.5	1984	0	0	0	0	0	.1	.1	@	.0	.0	.0	.0	.0	.0
Nov	1.0	.0	#	0	10.0	1985	10	10.0+	1985	10	1985	10	1	1985	.8	.7	.3	.1	.1	.2	.0	.0	.0
Dec	2.3	1.6	#	0	6.5	1983	23	8.3	1988	7	1972	13	2+	1990	1.0	.9	.4	.1	.0	1.7	1.5	.4	.0
Ann	9.4	3.6	N/A	N/A	10.0	Nov 1985	10	13.0	Feb 1989	10	Nov 1985	10	4+	Jan 1983	5.4	4.1	1.3	.4	.1	7.8	4.3	1.4	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

(1) Derived from Snow Climatology and 1971-2000 daily data

@ Denotes mean number of days greater than 0 but less than .05

(2) Derived from 1971-2000 daily data

-9/-9.9 represents missing values

Annual statistics for Mean/Median snow depths are not appropriate

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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	7/03	6/27	6/22	6/18	6/14	6/10	6/06	6/01	5/25
32	6/11	6/06	6/01	5/29	5/26	5/22	5/19	5/15	5/09
28	5/28	5/22	5/17	5/14	5/10	5/07	5/03	4/28	4/22
24	5/17	5/10	5/06	5/01	4/27	4/23	4/19	4/14	4/07
20	4/29	4/21	4/16	4/11	4/07	4/02	3/28	3/23	3/15
16	4/11	4/01	3/25	3/19	3/14	3/08	3/03	2/24	2/14

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	8/21	8/28	9/01	9/05	9/09	9/13	9/17	9/22	9/28
32	9/06	9/11	9/15	9/18	9/21	9/24	9/27	10/01	10/06
28	9/18	9/23	9/27	9/30	10/03	10/06	10/09	10/13	10/19
24	9/25	10/01	10/04	10/08	10/11	10/14	10/17	10/21	10/26
20	10/03	10/10	10/15	10/19	10/23	10/27	10/31	11/05	11/11
16	10/18	10/25	10/30	11/04	11/08	11/12	11/17	11/22	11/29

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	116	106	98	92	86	81	75	67	57
32	140	132	127	122	117	113	108	102	95
28	170	162	156	150	145	140	135	129	120
24	194	184	177	171	166	160	154	147	137
20	230	219	211	205	198	192	186	178	167
16	273	261	253	245	238	231	224	215	203

***** 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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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	1098	844	772	576	351	126	23	35	176	485	829	1099	6414
60	943	704	617	433	227	59	5	9	89	337	679	944	5046
57	850	620	524	352	167	33	1	3	52	256	589	851	4298
55	788	564	463	300	132	21	0	1	34	208	529	789	3829
50	639	429	319	189	64	6	0	0	9	108	387	634	2784
32	196	72	19	8	0	0	0	0	0	1	50	178	524

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	121	152	270	423	688	954	1227	1175	862	540	211	103	6726
55	0	0	2	25	107	285	514	463	206	34	1	0	1637
57	0	0	0	16	80	237	453	403	164	20	0	0	1373
60	0	0	0	8	47	173	363	316	110	8	0	0	1025
65	0	0	0	1	17	90	227	187	47	1	0	0	570
70	0	0	0	0	4	36	121	93	14	0	0	0	268

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	20	51	127	260	509	768	1038	980	652	344	80	19	20	71	198	458	967	1735	2773	3753	4405	4749	4829	4848
45	3	10	48	147	359	618	883	825	502	219	29	2	3	13	61	208	567	1185	2068	2893	3395	3614	3643	3645
50	0	0	12	71	230	473	728	670	360	112	4	0	0	0	12	83	313	786	1514	2184	2544	2656	2660	2660
55	0	0	0	21	128	329	573	516	231	44	0	0	0	0	0	21	149	478	1051	1567	1798	1842	1842	1842
60	0	0	0	2	54	204	420	362	121	13	0	0	0	0	0	2	56	260	680	1042	1163	1176	1176	1176
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	14	46	107	207	351	490	631	603	452	289	75	11	14	60	167	374	725	1215	1846	2449	2901	3190	3265	3276

(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:
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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.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/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/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/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