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: FALLON EXPERIMENT STN, NV **COOP ID: 262780**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,965 Feet** **Lat: 39˚27N** **Lon: 118˚47W**

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	44.9	18.5	31.7	71+	1950	22	38.7	1995	-25	1949	26	21.4	1982	1032	0	.0	.0	10.1	4.0	28.5	.9
Feb	53.0	23.1	38.1	76+	1935	20	45.5	1995	-27	1989	6	27.3	1989	755	0	.0	.0	18.2	1.0	23.7	.2
Mar	59.3	27.9	43.6	84	1966	31	48.8	1993	1	1971	2	38.2	1977	662	0	.0	.0	26.1	@	20.8	.0
Apr	65.6	33.7	49.7	90	1989	7	55.2	1990	14+	1929	7	42.1	1975	462	2	.0	@	28.4	.0	12.2	.0
May	73.8	41.1	57.5	97+	1967	22	63.6	1992	20	1967	1	51.1	1977	254	20	.0	.8	30.8	.0	2.3	.0
Jun	84.0	48.2	66.1	106	1961	22	71.3	1977	27	1952	12	61.0	1993	67	100	@	7.6	30.0	.0	.2	.0
Jul	92.1	53.4	72.8	107	1960	18	77.1	1996	35	1948	5	67.6	1993	9	249	1.3	19.6	31.0	.0	.0	.0
Aug	90.5	51.4	71.0	105	1960	12	74.4	1998	33	1960	23	64.6	1976	15	200	.7	15.9	31.0	.0	.0	.0
Sep	81.6	42.9	62.3	100	1993	10	66.4	1981	21	1934	26	55.5	1986	133	51	@	3.6	30.0	.0	1.7	.0
Oct	69.8	33.2	51.5	91	1963	2	56.1	1988	12+	1972	31	46.8	1984	420	2	.0	.0	29.9	.0	12.9	.0
Nov	55.5	24.5	40.0	81	1931	9	46.3	1995	0+	1935	3	34.2	1994	750	0	.0	.0	21.0	.2	24.1	.0
Dec	46.4	17.4	31.9	72	1939	10	39.7	1981	-21	1990	22	22.1	1990	1027	0	.0	.0	10.8	2.7	28.5	.9
Ann	68.0	34.6	51.4	107	Jul 1960	18	77.1	Jul 1996	-27	Feb 1989	6	21.4	Jan 1982	5586	624	2.0	47.5	297.3	7.9	154.9	2.0

\+ 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/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1928-2001

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

Issue Date: February 2004

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: FALLON EXPERIMENT STN, NV **COOP ID: 262780**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,965 Feet** **Lat: 39°27N** **Lon: 118°47W**

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	.54	.39	1.02	1943	22	1.55	1997	.00+	1989
Feb	.48	.37	1.00	1989	3	1.18	1989	.06	1974
Mar	.50	.42	.95	1954	30	1.76	1993	.00+	1997
Apr	.57	.43	1.06	1988	14	2.30	1990	.02	1993
May	.71	.35	1.55	1995	5	3.38	1995	.00+	1999
Jun	.53	.32	1.55	1977	19	3.04	1977	.00+	2000
Jul	.16	.06	.62	1976	23	1.33	1976	.00+	2000
Aug	.26	.11	.69	1974	1	1.16	1979	.00+	1998
Sep	.37	.28	1.12	1967	4	1.47	1998	.00+	1995
Oct	.45	.35	.68	1972	19	1.81	1972	.00+	1995
Nov	.39	.30	.81	1935	1	1.38	1994	.00+	1995
Dec	.34	.31	.96	1931	24	1.20	1977	.00+	2000
Ann	5.30+	4.96+	1.55+	May 1995	5	3.38	May 1995	.00+	Dec 2000

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	4.7	1.9	.1	.0
Feb	4.6	1.6	.1	@
Mar	4.6	1.4	.1	.0
Apr	3.9	1.7	.3	@
May	4.4	2.2	.2	.1
Jun	3.3	1.3	.2	.1
Jul	1.4	.5	.1	.0
Aug	2.3	1.0	.1	.0
Sep	2.6	1.3	.1	.0
Oct	3.3	1.4	.1	.0
Nov	3.8	1.2	.0	.0
Dec	3.6	1.3	.0	.0
Ann	42.5	16.8	1.4	.2

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	.00	.07	.17	.25	.34	.44	.54	.67	.85	1.14	1.41
Feb	.06	.09	.16	.23	.30	.38	.47	.59	.75	1.01	1.26
Mar	.00	.03	.11	.19	.27	.36	.48	.61	.81	1.13	1.44
Apr	.04	.08	.15	.23	.31	.41	.54	.69	.90	1.26	1.62
May	.00	.00	.06	.14	.26	.40	.58	.83	1.19	1.82	2.47
Jun	.00	.00	.01	.08	.16	.28	.42	.62	.90	1.41	1.93
Jul	.00	.00	.00	.00	.03	.06	.11	.18	.28	.47	.67
Aug	.00	.00	.00	.01	.07	.13	.21	.32	.46	.72	.98
Sep	.00	.00	.00	.06	.14	.23	.34	.47	.65	.96	1.25
Oct	.00	.01	.06	.11	.19	.27	.39	.53	.74	1.11	1.48
Nov	.00	.00	.08	.14	.21	.28	.37	.48	.63	.88	1.12
Dec	.00	.00	.07	.13	.19	.26	.33	.42	.55	.76	.96
Ann	2.96	3.37	3.92	4.35	4.74	5.13	5.54	5.99	6.56	7.41	8.16

\+ 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: 1928-2001
(3) Derived from 1971-2000 serially complete daily data

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

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

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: FALLON EXPERIMENT STN, NV **COOP ID: 262780**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,965 Feet** **Lat: 39°27N** **Lon: 118°47W**

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	2.7	1.9	1	#	8.0	1982	5	9.0	1982	8	1982	5	4	1982	1.3	1.0	.2	.1	.0	4.8	1.9	.9	.0
Feb	1.5	.0	#	0	10.5	1989	3	13.3	1989	11	1989	4	4	1989	.8	.5	.1	@	@	1.1	.7	.4	.1
Mar	.6	.0	1	0	2.3	1991	20	3.0	1973	10	1985	28	9	1985	.5	.3	.0	.0	.0	.1	.0	.0	.0
Apr	.2	.0	#	0	2.0	1975	6	2.0	1975	3	1999	6	#	1999	.2	.1	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	1.0	1991	9	1.0	1991	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	1.0	1971	28	1.0	1971	1	1971	28	#	1971	@	@	.0	.0	.0	@	.0	.0	.0
Nov	.6	.0	#	0	3.5	1978	11	4.2	1978	4	1978	13	#+	2000	.3	.2	.1	.0	.0	.0	.0	.0	.0
Dec	1.6	.3	#	0	4.0	1988	25	11.5	1988	9	1988	28	2	1988	1.1	.7	.1	.0	.0	2.2	.4	.2	.0
Ann	7.2	2.2	N/A	N/A	10.5	Feb 1989	3	13.3	Feb 1989	11	Feb 1989	4	9	Mar 1985	4.2	2.8	.5	.1	@	8.2	3.0	1.5	.1

+ 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

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: FALLON EXPERIMENT STN, NV **COOP ID: 262780**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,965 Feet** **Lat: 39˚27N** **Lon: 118˚47W**

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	6/26	6/18	6/13	6/09	6/04	5/31	5/27	5/21	5/14
32	6/04	5/29	5/24	5/20	5/17	5/13	5/10	5/05	4/29
28	5/16	5/10	5/06	5/03	4/29	4/26	4/23	4/18	4/13
24	4/29	4/24	4/20	4/16	4/13	4/10	4/06	4/02	3/27
20	4/15	4/08	4/04	3/30	3/26	3/22	3/18	3/13	3/07
16	4/01	3/22	3/14	3/08	3/02	2/24	2/17	2/10	1/30

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	8/30	9/06	9/10	9/14	9/18	9/21	9/25	9/29	10/06
32	9/14	9/19	9/23	9/27	9/30	10/03	10/06	10/10	10/16
28	9/23	9/29	10/03	10/06	10/09	10/12	10/16	10/20	10/25
24	10/06	10/12	10/16	10/20	10/23	10/26	10/30	11/03	11/09
20	10/20	10/25	10/28	10/31	11/03	11/06	11/09	11/12	11/17
16	10/28	11/04	11/09	11/13	11/17	11/21	11/25	11/30	12/07

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	132	122	116	110	105	99	93	87	77
32	161	152	146	140	135	130	125	118	110
28	189	180	173	167	162	157	151	144	135
24	215	207	201	197	192	188	183	178	170
20	245	237	231	226	221	216	211	205	196
16	300	286	276	268	260	252	244	234	220

***** 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/normals/usnormals.html

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: FALLON EXPERIMENT STN, NV **COOP ID: 262780**

Climate Division: NV 1 **NWS Call Sign:** **Elevation: 3,965 Feet** **Lat: 39˚27N** **Lon: 118˚47W**

Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1032	755	662	462	254	67	9	15	133	420	750	1027	5586
60	877	615	508	322	143	20	0	2	56	275	600	872	4290
57	784	531	417	245	93	8	0	0	29	198	510	779	3594
55	722	475	358	200	66	4	0	0	16	153	451	717	3162
50	575	343	223	109	23	0	0	0	3	67	310	568	2221
32	156	35	5	0	0	0	0	0	0	0	21	139	356

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	147	205	366	530	789	1024	1264	1208	908	605	261	136	7443
55	0	0	6	40	142	337	551	495	235	45	1	0	1852
57	0	0	2	26	107	281	489	433	187	28	0	0	1553
60	0	0	0	13	64	204	396	341	125	11	0	0	1154
65	0	0	0	2	20	100	249	200	51	2	0	0	624
70	0	0	0	0	4	36	126	91	14	0	0	0	271

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	25	69	168	305	541	772	1005	949	666	363	98	29	25	94	262	567	1108	1880	2885	3834	4500	4863	4961	4990
45	5	19	76	182	388	622	850	794	516	230	34	7	5	24	100	282	670	1292	2142	2936	3452	3682	3716	3723
50	0	0	26	84	251	472	695	639	367	113	6	0	0	0	26	110	361	833	1528	2167	2534	2647	2653	2653
55	0	0	0	29	138	327	540	484	233	42	0	0	0	0	0	29	167	494	1034	1518	1751	1793	1793	1793
60	0	0	0	2	58	196	386	332	121	11	0	0	0	0	0	2	60	256	642	974	1095	1106	1106	1106
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	27	77	155	239	365	490	625	594	452	295	104	32	27	104	259	498	863	1353	1978	2572	3024	3319	3423	3455

(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.
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