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: DYER, NV **COOP ID: 262431**

Climate Division: NV 3 **NWS Call Sign:** **Elevation: 4,900 Feet** **Lat: 37˚37N** **Lon: 118˚01W**

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	46.9	16.5	31.7	69	1971	18	37.5	1986	-21+	1962	24	23.2	1987	1033	0	.0	.0	14.0	2.4	29.0	1.4
Feb	53.4	21.5	37.5	76+	1951	10	44.1	1995	-23	1989	7	32.4	1990	772	0	.0	.0	18.4	.8	24.6	.3
Mar	59.8	27.9	43.9	82	1966	31	49.0	1972	-6	1969	11	38.3	1977	656	0	.0	.0	27.0	.0	22.3	@
Apr	67.2	32.9	50.1	90+	1989	6	56.4	1989	8	1955	19	42.5	1975	451	2	.0	.1	28.9	.0	14.1	.0
May	75.6	40.7	58.2	98	2000	29	64.2	1992	13	1964	3	51.4	1977	247	34	.0	1.8	30.9	.0	3.4	.0
Jun	85.8	48.5	67.2	106	1961	20	70.6+	1986	20	1952	10	62.7	1995	51	116	.4	12.1	30.0	.0	.1	.0
Jul	92.5	54.5	73.5	105+	1998	17	76.7	1996	36	1955	3	70.6	1983	1	264	3.0	23.6	31.0	.0	.0	.0
Aug	90.7	52.2	71.5	105+	1998	13	74.6	1971	31	1968	23	66.4	1976	8	207	1.9	19.2	31.0	.0	.0	.0
Sep	82.7	44.2	63.5	102	1950	2	66.1	1981	21+	1970	26	55.4	1986	107	59	.0	6.0	30.0	.0	1.8	.0
Oct	71.7	33.6	52.7	93	1996	8	58.1	1988	5	1970	28	47.6	1984	387	3	.0	.2	30.3	.0	14.1	.0
Nov	57.3	23.0	40.2	82+	1988	3	46.3	1995	-6	1964	20	33.3	1994	745	0	.0	.0	22.8	.1	25.4	@
Dec	47.7	15.8	31.8	72	1956	11	38.1	1977	-15	1990	24	25.2	1990	1031	0	.0	.0	13.9	1.4	29.5	1.2
Ann	69.3	34.3	51.8	106	Jun 1961	20	76.7	Jul 1996	-23	Feb 1989	7	23.2	Jan 1987	5489	685	5.3	63.0	308.2	4.7	164.3	2.9

\+ 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

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: DYER, NV

COOP ID: 262431

Climate Division: NV 3 **NWS Call Sign:** **Elevation: 4,900 Feet** **Lat: 37˚37N** **Lon: 118˚01W**

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	.37	.17	1.44	1999	25	2.63	1999	.00+	1996
Feb	.44	.30	1.27	1978	10	1.64	1978	.00+	1977
Mar	.55	.29	1.05	1978	31	1.92	1992	.00+	1999
Apr	.40	.18	1.24	1995	16	2.17	1988	.00+	2000
May	.63	.37	1.12	1971	6	2.24	1971	.00+	2000
Jun	.35	.09	1.25	1963	6	2.32	1998	.00+	2000
Jul	.44	.22	1.07	1982	24	2.75	1976	.00+	2000
Aug	.41	.17	2.05	1983	10	3.44	1983	.00+	1997
Sep	.49	.30	1.60	1999	18	2.25	1976	.00+	2000
Oct	.39	.20	1.34	1957	20	2.39	1972	.00+	1997
Nov	.39	.20	1.73	1960	6	1.95	1987	.00+	1999
Dec	.28	.16	1.46	1955	23	1.42	1995	.00+	2000
Ann	5.14	4.98	2.05	Aug 1983	10	3.44	Aug 1983	.00+	Dec 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	2.9	1.0	.1	.1
Feb	3.2	1.5	.3	.1
Mar	3.9	1.7	.3	@
Apr	2.4	1.1	.1	@
May	3.9	1.6	.4	@
Jun	2.4	1.0	.2	.0
Jul	2.6	1.1	.3	@
Aug	2.6	.9	.1	.1
Sep	2.3	1.4	.3	@
Oct	2.1	1.0	.2	.0
Nov	1.9	.9	.2	@
Dec	2.2	.8	.1	.0
Ann	32.4	14.0	2.6	.3

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	.00	.00	.03	.10	.19	.30	.44	.64	1.00	1.36
Feb	.00	.00	.06	.12	.20	.29	.39	.54	.73	1.07	1.41
Mar	.00	.00	.02	.09	.19	.30	.46	.66	.95	1.45	1.96
Apr	.00	.00	.00	.02	.09	.19	.31	.47	.71	1.12	1.54
May	.00	.00	.03	.10	.19	.32	.50	.73	1.08	1.69	2.33
Jun	.00	.00	.00	.00	.03	.10	.20	.36	.60	1.04	1.51
Jul	.00	.00	.01	.05	.12	.21	.33	.50	.75	1.20	1.67
Aug	.00	.00	.00	.03	.10	.19	.31	.48	.72	1.16	1.60
Sep	.00	.00	.00	.04	.13	.24	.38	.58	.85	1.35	1.84
Oct	.00	.00	.00	.03	.09	.17	.28	.43	.66	1.07	1.50
Nov	.00	.00	.00	.01	.08	.17	.29	.45	.68	1.10	1.51
Dec	.00	.00	.00	.04	.10	.17	.25	.35	.50	.75	.99
Ann	2.56	2.99	3.58	4.06	4.49	4.93	5.39	5.92	6.58	7.57	8.46

\+ 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

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: DYER, NV **COOP ID: 262431**

Climate Division: NV 3 **NWS Call Sign:** **Elevation: 4,900 Feet** **Lat: 37˚37N** **Lon: 118˚01W**

Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	2.2	.7	#	#
Feb	1.3	.0	#	0
Mar	2.1	1.0	#	0
Apr	1.2	.0	#	0
May	.4	.0	#	0
Jun	#	.0	#	0
Jul	.0	.0	0	0
Aug	.0	.0	0	0
Sep	.1	.0	0	0
Oct	.2	.0	#	0
Nov	1.6	.0	#	0
Dec	.7	.0	#	#
Ann	9.8	1.7	N/A	N/A

Extremes (2)

Month	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year
Jan	8.0	1999	25	15.5	1999	7	1990	17	3	1987
Feb	14.0	1978	10	14.0	1978	30	1976	7	7	1976
Mar	7.0	1976	3	9.0+	1981	7	1976	3	1	1976
Apr	7.0	1980	2	10.0	1980	3	1981	2	#+	1997
May	5.0	1971	28	5.0	1971	#+	1996	24	#+	1996
Jun	#	1995	16	#	1995	#	1995	16	#	1995
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	2.0	1982	29	2.0	1982	0	0	0	0	0
Oct	2.0	1978	31	2.0+	1978	2	1978	31	#+	1978
Nov	8.0	1981	28	13.0	1978	8	1981	28	1	1981
Dec	4.0	1984	20	4.0	1984	4	1981	1	1	1984
Ann	14.0	Feb 1978	10	15.5	Jan 1999	30	Feb 1976	7	7	Feb 1976

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	1.2	1.0	.3	.1	.0
Feb	.5	.3	.1	@	@
Mar	.9	.7	.2	.1	.0
Apr	.3	.3	.2	.1	.0
May	.1	.1	.1	@	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	@	@	.0	.0	.0
Oct	.1	.1	.0	.0	.0
Nov	.6	.6	.2	@	.0
Dec	.7	.5	.1	.0	.0
Ann	4.4	3.6	1.2	.3	@

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	2.5	1.2	@	.0
Feb	.9	.4	.3	.1
Mar	.2	.1	.1	.0
Apr	@	@	.0	.0
May	.0	.0	.0	.0
Jun	.0	.0	.0	.0
Jul	.0	.0	.0	.0
Aug	.0	.0	.0	.0
Sep	.0	.0	.0	.0
Oct	@	.0	.0	.0
Nov	.3	.2	.1	.0
Dec	1.1	.4	.0	.0
Ann	5.0	2.3	.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: DYER, NV **COOP ID: 262431**

Climate Division: NV 3 **NWS Call Sign:** **Elevation: 4,900 Feet** **Lat: 37˚37N** **Lon: 118˚01W**

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	6/23	6/15	6/10	6/06	6/02	5/28	5/24	5/19	5/12
32	6/02	5/26	5/21	5/17	5/13	5/09	5/05	4/30	4/23
28	5/21	5/14	5/09	5/05	5/01	4/27	4/23	4/18	4/11
24	5/15	5/07	5/01	4/26	4/21	4/17	4/12	4/06	3/29
20	5/02	4/22	4/14	4/08	4/02	3/27	3/21	3/13	3/03
16	4/11	3/30	3/22	3/16	3/09	3/03	2/24	2/16	2/05

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	9/05	9/10	9/14	9/18	9/21	9/24	9/27	10/01	10/07
32	9/15	9/20	9/24	9/27	9/30	10/03	10/06	10/09	10/14
28	9/27	10/02	10/06	10/09	10/12	10/15	10/19	10/22	10/28
24	10/05	10/10	10/15	10/18	10/21	10/25	10/28	11/02	11/07
20	10/16	10/21	10/24	10/27	10/30	11/02	11/05	11/09	11/14
16	10/23	10/29	11/03	11/06	11/10	11/13	11/17	11/21	11/27

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	139	129	122	116	110	105	99	92	82
32	169	159	151	145	139	133	127	120	110
28	190	181	174	169	163	158	153	146	137
24	213	203	195	188	182	176	170	162	152
20	245	233	225	217	211	204	196	188	176
16	282	269	260	252	245	237	230	220	208

***** 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: DYER, NV **COOP ID: 262431**

Climate Division: NV 3 **NWS Call Sign:** **Elevation: 4,900 Feet** **Lat: 37˚37N** **Lon: 118˚01W**

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	1033	772	656	451	247	51	1	8	107	387	745	1031	5489
60	878	632	501	312	144	14	0	1	40	247	595	876	4240
57	785	548	412	236	97	6	0	0	18	176	505	783	3566
55	723	492	353	191	71	3	0	0	10	134	446	721	3144
50	568	352	219	101	27	0	0	0	1	58	305	566	2197
32	134	23	5	0	0	0	0	0	0	0	18	115	295

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	124	176	372	541	810	1055	1287	1222	942	639	263	107	7538
55	0	0	7	42	168	368	574	509	262	60	1	0	1991
57	0	0	4	27	132	311	512	447	210	40	0	0	1683
60	0	0	0	13	86	230	419	355	142	18	0	0	1263
65	0	0	0	2	34	116	264	207	59	3	0	0	685
70	0	0	0	0	10	40	122	87	15	0	0	0	274

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	14	64	172	324	581	831	1054	982	714	402	100	12	14	78	250	574	1155	1986	3040	4022	4736	5138	5238	5250
45	0	18	76	196	430	681	899	827	564	263	33	0	0	18	94	290	720	1401	2300	3127	3691	3954	3987	3987
50	0	0	22	91	287	533	744	672	415	138	9	0	0	0	22	113	400	933	1677	2349	2764	2902	2911	2911
55	0	0	0	33	163	385	589	517	273	55	0	0	0	0	0	33	196	581	1170	1687	1960	2015	2015	2015
60	0	0	0	5	72	246	434	362	146	11	0	0	0	0	0	5	77	323	757	1119	1265	1276	1276	1276
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	42	93	174	271	410	526	640	605	485	338	131	40	42	135	309	580	990	1516	2156	2761	3246	3584	3715	3755

(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