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: HOMER 3 SSW, LA **COOP ID: 164355**

Climate Division: LA 2 **NWS Call Sign:** **Elevation: 380 Feet** **Lat: 32˚45N** **Lon: 93˚04W**

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	53.9	32.8	43.4	83	1950	25	50.8	1999	-1	1962	12	34.2	1977	671	0	.0	.0	19.8	1.4	16.5	.0
Feb	59.2	36.1	47.7	84+	1986	21	55.2	1976	2	1951	2	37.0	1978	486	0	.0	.0	21.9	.7	11.4	.0
Mar	67.2	43.3	55.3	90	1995	24	60.8	1974	16	1996	9	51.0	1971	310	8	.0	@	29.2	@	4.5	.0
Apr	74.6	50.5	62.6	93	1987	21	68.0	1981	27+	1987	4	57.4	1983	123	50	.0	.2	29.9	.0	.6	.0
May	81.6	59.5	70.6	98	1964	27	74.9	1996	39+	1954	4	66.1	1976	22	193	.0	2.0	31.0	.0	.0	.0
Jun	88.2	66.7	77.5	101+	1953	20	81.4	1998	47	1966	1	73.3	1974	0	374	.1	14.0	30.0	.0	.0	.0
Jul	92.0	70.5	81.3	105+	1954	16	85.6	1998	53	1967	15	78.4	1989	0	504	1.4	23.7	31.0	.0	.0	.0
Aug	92.2	69.4	80.8	107+	1951	31	84.4	2000	50	1986	30	77.4	1971	0	490	1.3	23.7	31.0	.0	.0	.0
Sep	86.4	63.1	74.8	109	2000	1	80.5	1980	36	1967	29	68.7	1974	7	299	.5	12.5	30.0	.0	.0	.0
Oct	76.4	51.4	63.9	100	1954	6	68.4	1973	26	1993	31	56.3	1976	104	68	.0	1.1	30.9	.0	.4	.0
Nov	64.9	42.4	53.7	88	1978	5	59.1	1985	15	1976	29	46.5	1976	350	9	.0	.0	27.4	@	5.8	.0
Dec	56.4	35.0	45.7	82	1955	25	56.0	1984	1	1989	23	35.9	1983	599	1	.0	.0	22.4	.7	13.7	.0
Ann	74.4	51.7	63.1	109	Sep 2000	1	85.6	Jul 1998	-1	Jan 1962	12	34.2	Jan 1977	2672	1996	3.3	77.2	334.5	2.8	52.9	.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: 1950-2001

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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	5.28	4.85	5.05	1999	29	15.20	1999	.46	1986
Feb	4.73	4.40	5.30	1991	19	10.14	1983	.57	1972
Mar	5.20	5.16	5.16	1997	2	10.06	1997	1.53	1982
Apr	5.08	4.23	9.43	1991	28	26.79	1991	.46	1989
May	5.08	4.84	4.40	1979	4	10.92	1989	.90	1998
Jun	4.86	4.89	4.08	1961	19	9.67	1992	.31	1988
Jul	4.17	3.65	4.90	1975	8	10.19	1994	.18	1983
Aug	2.83	2.87	4.02	1978	29	8.72	1998	.06	2000
Sep	4.00	2.71	5.25	1968	15	13.95	1974	.66	1987
Oct	4.18	3.22	5.05	1957	22	13.83	1984	.58	1983
Nov	5.30	5.04	5.13	1969	18	12.82	1986	.98	1999
Dec	5.07	4.60	3.63	2001	12	12.75	1982	.88+	1981
Ann	55.78	55.91	9.43	Apr 1991	28	26.79	Apr 1991	.06	Aug 2000

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	9.8	7.4	3.7	1.6
Feb	8.2	6.0	3.4	1.6
Mar	9.5	7.3	3.8	1.4
Apr	8.0	6.0	2.9	1.6
May	8.8	6.8	3.6	1.7
Jun	8.4	6.3	3.2	1.8
Jul	8.4	6.0	2.9	1.5
Aug	6.7	5.1	2.0	.8
Sep	6.9	5.3	2.4	1.1
Oct	7.2	5.0	2.5	1.4
Nov	8.7	6.4	3.5	2.0
Dec	9.7	7.2	3.8	1.7
Ann	100.3	74.8	37.7	18.2

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	1.09	1.57	2.34	3.05	3.76	4.52	5.39	6.42	7.78	9.97	12.04
Feb	1.02	1.46	2.16	2.78	3.42	4.09	4.84	5.75	6.95	8.85	10.65
Mar	2.02	2.50	3.19	3.76	4.30	4.85	5.44	6.13	7.00	8.34	9.57
Apr	.70	1.11	1.84	2.54	3.28	4.10	5.04	6.20	7.77	10.32	12.79
May	1.38	1.86	2.59	3.23	3.86	4.52	5.25	6.12	7.25	9.02	10.67
Jun	.91	1.34	2.05	2.71	3.38	4.11	4.93	5.92	7.23	9.35	11.37
Jul	.67	1.03	1.64	2.21	2.81	3.45	4.19	5.09	6.30	8.26	10.13
Aug	.44	.68	1.09	1.48	1.88	2.32	2.83	3.45	4.28	5.64	6.94
Sep	.65	.99	1.57	2.13	2.69	3.31	4.02	4.89	6.05	7.92	9.72
Oct	.61	.96	1.56	2.14	2.75	3.41	4.17	5.11	6.37	8.42	10.40
Nov	1.56	2.06	2.82	3.47	4.11	4.77	5.50	6.36	7.48	9.22	10.84
Dec	1.33	1.81	2.55	3.19	3.83	4.50	5.24	6.12	7.26	9.07	10.75
Ann	39.27	42.45	46.54	49.64	52.40	55.07	57.84	60.89	64.60	69.98	74.64

\+ 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: 1950-2001
(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Snow (inches)

Snow Totals

Means/Medians (1)

Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median
Jan	.8	.0	#	0
Feb	.1	.0	#	0
Mar	#	.0	#	0
Apr	.0	.0	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	0
Nov	#	.0	0	0
Dec	.3	.0	#	0
Ann	1.2	.0	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	4.5	1978	19	5.5	1978	4	1982	14	#+	1988
Feb	2.0	1988	12	2.0	1988	2	1985	2	#+	1996
Mar	#	1975	4	#+	1975	#	1993	13	#	1993
Apr	.0	0	0	.0	0	0	0	0	0	0
May	.0	0	0	.0	0	0	0	0	0	0
Jun	.0	0	0	.0	0	0	0	0	0	0
Jul	.0	0	0	.0	0	0	0	0	0	0
Aug	.0	0	0	.0	0	0	0	0	0	0
Sep	.0	0	0	.0	0	0	0	0	0	0
Oct	.0	0	0	.0	0	0	0	0	0	0
Nov	#	2000	19	#	2000	0	0	0	0	0
Dec	4.5	1983	17	4.5	1983	5	1983	17	#+	2000
Ann	4.5+	Dec 1983	17	5.5	Jan 1978	5	Dec 1983	17	#+	Dec 2000

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.3	.2	.1	.0	.0
Feb	.2	.1	.0	.0	.0
Mar	.0	.0	.0	.0	.0
Apr	.0	.0	.0	.0	.0
May	.0	.0	.0	.0	.0
Jun	.0	.0	.0	.0	.0
Jul	.0	.0	.0	.0	.0
Aug	.0	.0	.0	.0	.0
Sep	.0	.0	.0	.0	.0
Oct	.0	.0	.0	.0	.0
Nov	.0	.0	.0	.0	.0
Dec	.1	.1	.1	.0	.0
Ann	.6	.4	.2	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.2	.0	.0	.0
Feb	@	.0	.0	.0
Mar	.0	.0	.0	.0
Apr	.0	.0	.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	.0
Nov	.0	.0	.0	.0
Dec	.1	.1	@	.0
Ann	.3	.1	@	.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	4/16	4/12	4/08	4/06	4/03	3/31	3/29	3/25	3/21
32	4/12	4/06	4/01	3/28	3/24	3/21	3/17	3/12	3/06
28	3/29	3/22	3/16	3/11	3/07	3/02	2/25	2/20	2/12
24	3/11	3/01	2/23	2/17	2/12	2/07	2/01	1/25	1/16
20	3/02	2/19	2/12	2/05	1/29	1/22	1/14	1/02	0/00
16	2/16	2/04	1/27	1/18	1/09	12/27	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	10/17	10/23	10/27	10/30	11/02	11/06	11/09	11/13	11/19
32	10/25	10/31	11/04	11/07	11/11	11/14	11/18	11/22	11/28
28	11/02	11/09	11/14	11/18	11/21	11/25	11/29	12/04	12/11
24	11/17	11/26	12/02	12/08	12/13	12/19	12/24	12/31	1/09
20	11/21	12/03	12/11	12/19	12/26	1/03	1/12	1/26	0/00
16	12/13	12/22	12/29	1/04	1/12	1/25	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	231	225	220	216	213	209	205	200	194
32	257	248	242	236	231	225	220	213	204
28	293	281	273	266	259	252	245	237	225
24	334	322	314	307	301	295	289	282	271
20	>365	>365	>365	342	325	315	306	297	286
16	>365	>365	>365	>365	>365	>365	341	325	310

***** 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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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	671	486	310	123	22	0	0	0	7	104	350	599	2672
60	526	357	180	48	4	0	0	0	0	39	223	455	1832
57	441	284	120	22	1	0	0	0	0	17	161	371	1417
55	386	239	88	12	0	0	0	0	0	9	126	319	1179
50	265	147	32	1	0	0	0	0	0	1	60	209	715
32	27	6	0	0	0	0	0	0	0	0	0	14	47

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	379	444	721	917	1195	1364	1527	1513	1282	988	649	440	11419
55	25	33	96	239	482	674	814	800	592	284	86	32	4157
57	18	22	66	189	420	614	752	738	532	230	60	22	3663
60	10	11	33	125	330	524	659	645	442	158	32	12	2981
65	0	0	8	50	193	374	504	490	299	68	9	1	1996
70	0	0	0	13	89	228	349	336	173	21	0	0	1209

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	201	287	495	688	962	1135	1294	1280	1057	753	433	245	201	488	983	1671	2633	3768	5062	6342	7399	8152	8585	8830
45	117	181	354	538	807	985	1139	1125	907	600	300	149	117	298	652	1190	1997	2982	4121	5246	6153	6753	7053	7202
50	58	107	228	394	652	835	984	970	757	449	190	82	58	165	393	787	1439	2274	3258	4228	4985	5434	5624	5706
55	27	56	130	263	497	685	829	815	607	306	107	39	27	83	213	476	973	1658	2487	3302	3909	4215	4322	4361
60	6	19	59	147	344	535	674	660	459	188	50	13	6	25	84	231	575	1110	1784	2444	2903	3091	3141	3154
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	130	186	310	439	644	781	885	862	711	488	270	156	130	316	626	1065	1709	2490	3375	4237	4948	5436	5706	5862

(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