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: NEW ROADS 5 ESE, LA **COOP ID: 166686**

Climate Division: LA 5 **NWS Call Sign:** **Elevation: 45 Feet** **Lat: 30˚41N** **Lon: 91˚22W**

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	59.4	39.7	49.6	85+	1952	1	57.5	1974	8	1982	11	40.6	1977	492	0	.0	.0	24.5	.2	9.0	.0
Feb	63.5	43.0	53.3	86	1957	5	59.2	2000	13+	1951	1	44.2	1978	334	6	.0	.0	24.9	.1	5.0	.0
Mar	70.9	49.0	60.0	89+	1953	14	64.7	1974	23+	1980	2	55.1	1978	185	29	.0	.0	30.3	.0	1.1	.0
Apr	77.3	55.5	66.4	95	1964	27	72.2	1981	32	1987	5	61.9	1983	60	102	.0	.2	30.0	.0	@	.0
May	84.2	63.8	74.0	96+	1953	29	78.0	2000	39	1954	4	71.1	1976	3	281	.0	3.4	31.0	.0	.0	.0
Jun	89.4	70.0	79.7	99+	1953	22	82.4	1998	50	1954	5	77.1+	1995	0	441	.0	15.3	30.0	.0	.0	.0
Jul	91.0	72.3	81.7	102	1954	1	84.1	1980	62+	1990	14	79.8	1994	0	517	.1	22.1	31.0	.0	.0	.0
Aug	91.0	71.9	81.5	105	2000	30	85.1	1999	55	1956	23	78.2	1992	0	510	.2	22.3	31.0	.0	.0	.0
Sep	87.0	67.6	77.3	105	2000	3	81.7	1972	47+	1949	30	73.8	1975	1	371	.2	11.2	30.0	.0	.0	.0
Oct	79.1	56.0	67.6	95+	1954	7	72.5	1973	29	1952	29	60.5	1976	58	137	.0	1.0	31.0	.0	.1	.0
Nov	69.7	48.4	59.1	89	1951	14	66.3	1973	22+	1956	27	51.6	1976	225	46	.0	.0	29.3	.0	1.9	.0
Dec	62.2	41.7	52.0	85+	1951	7	61.0	1984	8+	1989	23	41.4	1989	419	15	.0	.0	27.0	.2	6.9	.0
Ann	77.1	56.6	66.9	105+	Sep 2000	3	85.1	Aug 1999	8+	Dec 1989	23	40.6	Jan 1977	1777	2455	.5	75.5	350.0	.5	24.0	.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: 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: NEW ROADS 5 ESE, LA **COOP ID: 166686**

Climate Division: LA 5 **NWS Call Sign:** **Elevation: 45 Feet** **Lat: 30˚41N** **Lon: 91˚22W**

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	6.42	6.61	5.61	1993	20	12.84	1993	1.46	1986
Feb	5.45	5.06	7.33	1988	2	15.92	1988	.70	2000
Mar	5.13	4.48	6.50	1992	5	13.83	1995	1.85	1996
Apr	5.24	4.39	8.06	1983	6	13.80	1979	.30	1999
May	5.35	4.45	8.35	1953	18	12.64	1989	.39	1998
Jun	4.57	3.63	8.85	2001	6	21.26	1989	.24	1979
Jul	4.74	4.56	7.26	1981	3	12.20	1975	1.65	1993
Aug	5.05	4.70	6.60	1978	29	11.79	1987	.98	2000
Sep	4.89	4.20	6.07	1988	4	15.50	1988	.76	1997
Oct	3.68	2.93	9.85	1964	4	19.29	1984	.05	1978
Nov	4.99	4.96	8.40	1993	15	11.31	1993	.65	1994
Dec	5.63	4.95	5.79	1983	11	14.41	1982	2.34	2000
Ann	61.14	60.73	9.85	Oct 1964	4	21.26	Jun 1989	.05	Oct 1978

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.0	7.5	4.2	2.1
Feb	7.9	6.3	3.6	1.6
Mar	8.3	6.4	3.5	1.7
Apr	7.0	5.5	3.0	1.6
May	7.3	6.0	3.3	1.6
Jun	9.2	7.0	2.8	1.3
Jul	10.7	7.9	3.0	1.3
Aug	9.8	7.4	3.5	1.5
Sep	7.6	6.0	3.2	1.5
Oct	5.4	3.9	2.3	1.1
Nov	7.7	5.7	2.8	1.6
Dec	8.7	6.7	3.3	1.7
Ann	99.6	76.3	38.5	18.6

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	1.98	2.60	3.50	4.28	5.04	5.82	6.68	7.69	9.00	11.03	12.92
Feb	1.32	1.83	2.62	3.33	4.04	4.78	5.61	6.60	7.90	9.95	11.89
Mar	1.65	2.13	2.85	3.47	4.06	4.67	5.34	6.13	7.14	8.72	10.18
Apr	.52	.91	1.62	2.35	3.14	4.03	5.08	6.39	8.19	11.16	14.07
May	1.04	1.52	2.30	3.02	3.76	4.54	5.44	6.51	7.94	10.22	12.40
Jun	.64	1.02	1.67	2.31	2.97	3.70	4.54	5.58	6.98	9.25	11.45
Jul	1.53	1.98	2.65	3.21	3.76	4.32	4.94	5.66	6.59	8.04	9.38
Aug	1.24	1.72	2.45	3.11	3.75	4.44	5.20	6.11	7.29	9.17	10.93
Sep	.78	1.20	1.91	2.58	3.28	4.04	4.91	5.97	7.39	9.69	11.89
Oct	.40	.68	1.19	1.70	2.25	2.87	3.59	4.49	5.72	7.75	9.72
Nov	1.06	1.52	2.25	2.92	3.58	4.30	5.10	6.06	7.33	9.36	11.27
Dec	2.14	2.67	3.42	4.04	4.63	5.24	5.89	6.65	7.61	9.10	10.45
Ann	40.53	44.41	49.44	53.30	56.75	60.11	63.60	67.48	72.21	79.13	85.17

\+ 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: NEW ROADS 5 ESE, LA **COOP ID: 166686**

Climate Division: LA 5 **NWS Call Sign:** **Elevation: 45 Feet** **Lat: 30°41N** **Lon: 91°22W**

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	#	.0	#	0	#	1985	20	#+	1985	#+	1982	14	#+	1982	.0	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.0	.0	#	0	.7	1988	6	.7	1988	1	1988	6	#	1988	.1	.0	.0	.0	.0	@	.0	.0	.0
Mar	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.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	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	#	.0	#	0	#	1997	14	#	1997	#	1997	14	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	#	.0	N/A	N/A	.7	Feb 1988	6	.7	Feb 1988	1	Feb 1988	6	#+	Dec 1997	.1	.0	.0	.0	.0	@	.0	.0	.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

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: NEW ROADS 5 ESE, LA **COOP ID: 166686**

Climate Division: LA 5 **NWS Call Sign:** **Elevation: 45 Feet** **Lat: 30˚41N** **Lon: 91˚22W**

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	4/05	3/29	3/23	3/18	3/14	3/10	3/05	2/27	2/20
32	3/20	3/13	3/08	3/03	2/27	2/23	2/19	2/13	2/06
28	3/10	2/27	2/20	2/14	2/08	2/02	1/26	1/19	1/09
24	2/23	2/12	2/04	1/28	1/19	1/09	0/00	0/00	0/00
20	1/24	1/13	1/02	12/17	0/00	0/00	0/00	0/00	0/00
16	1/14	0/00	0/00	0/00	0/00	0/00	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	10/27	11/03	11/07	11/11	11/15	11/19	11/23	11/28	12/04
32	11/03	11/10	11/15	11/20	11/24	11/28	12/03	12/08	12/15
28	11/23	11/29	12/04	12/08	12/11	12/15	12/18	12/23	12/29
24	12/06	12/17	12/25	1/01	1/09	1/19	0/00	0/00	0/00
20	12/25	1/05	1/15	1/31	0/00	0/00	0/00	0/00	0/00
16	1/10	0/00	0/00	0/00	0/00	0/00	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	272	263	256	250	245	240	234	228	219
32	300	289	282	275	269	263	256	248	237
28	342	328	319	311	304	298	290	282	270
24	>365	>365	>365	>365	>365	359	334	318	300
20	>365	>365	>365	>365	>365	>365	>365	>365	350
16	>365	>365	>365	>365	>365	>365	>365	>365	>365

***** 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: NEW ROADS 5 ESE, LA **COOP ID: 166686**

Climate Division: LA 5 **NWS Call Sign:** **Elevation: 45 Feet** **Lat: 30˚41N** **Lon: 91˚22W**

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	492	334	185	60	3	0	0	0	1	58	225	419	1777
60	356	210	89	16	0	0	0	0	0	19	134	289	1113
57	285	149	49	6	0	0	0	0	0	8	91	223	811
55	243	116	30	3	0	0	0	0	0	4	67	185	648
50	156	52	6	0	0	0	0	0	0	1	27	106	348
32	9	0	0	0	0	0	0	0	0	0	0	2	11

Base — Cooling Degree Days (1)

Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	554	596	867	1032	1301	1431	1540	1533	1360	1103	811	621	12749
55	75	68	184	344	588	741	827	820	670	394	188	91	4990
57	55	45	141	288	526	681	765	758	610	336	152	67	4424
60	33	22	88	208	433	591	672	665	520	253	105	40	3630
65	0	6	29	102	281	441	517	510	371	137	46	15	2455
70	0	0	6	34	145	291	362	355	226	56	16	3	1494

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	322	395	624	797	1061	1198	1300	1290	1126	863	569	389	322	717	1341	2138	3199	4397	5697	6987	8113	8976	9545	9934
45	207	270	473	647	906	1048	1145	1135	976	709	423	265	207	477	950	1597	2503	3551	4696	5831	6807	7516	7939	8204
50	121	167	331	498	751	898	990	980	826	555	291	161	121	288	619	1117	1868	2766	3756	4736	5562	6117	6408	6569
55	60	92	205	353	596	748	835	825	676	405	185	92	60	152	357	710	1306	2054	2889	3714	4390	4795	4980	5072
60	26	40	104	218	441	598	680	670	527	262	101	43	26	66	170	388	829	1427	2107	2777	3304	3566	3667	3710
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	187	232	377	516	734	844	902	898	786	572	352	237	187	419	796	1312	2046	2890	3792	4690	5476	6048	6400	6637

(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