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: DE RIDDER, LA **COOP ID: 162367**

Climate Division: LA 7 **NWS Call Sign:** **Elevation: 190 Feet** **Lat: 30˚50N** **Lon: 93˚17W**

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	37.9	48.7	89	1952	1	54.9	1999	9	1930	18	40.2	1977	517	3	.0	.0	24.6	.3	10.9	.0
Feb	64.2	40.9	52.6	90	1940	3	59.2	1999	0	1956	23	42.3	1978	356	8	.0	.0	24.8	.4	6.5	.0
Mar	71.4	48.6	60.0	92+	1974	30	65.3	2000	20	1943	3	54.5	1996	186	30	.0	.1	30.0	@	1.6	.0
Apr	77.4	55.2	66.3	93+	1987	19	71.2	1981	30	1987	4	61.9	1993	60	100	.0	.3	30.0	.0	.1	.0
May	84.3	63.9	74.1	97	1998	31	78.6	1996	42	1973	16	70.3	1976	4	285	.0	3.6	31.0	.0	.0	.0
Jun	89.5	70.2	79.9	106	1936	20	84.5	1998	50	1984	1	77.2	1976	0	446	.3	16.9	30.0	.0	.0	.0
Jul	92.1	72.6	82.4	105	1980	18	86.9	1998	56	1967	15	80.0	1994	0	538	.9	24.9	31.0	.0	.0	.0
Aug	92.3	71.9	82.1	106+	1948	21	85.5	1998	54+	1949	23	78.7	1992	0	530	.9	24.8	31.0	.0	.0	.0
Sep	88.1	66.9	77.5	109	2000	1	83.5	1980	40	1967	29	73.8	1974	1	376	.3	14.6	30.0	.0	.0	.0
Oct	79.8	55.7	67.8	97+	1938	1	72.0	1984	28+	1952	29	60.7	1976	47	133	.0	2.0	31.0	.0	.1	.0
Nov	69.7	47.2	58.5	90	1948	1	65.5	1973	20	1976	30	51.3	1976	229	33	.0	.0	29.0	.0	2.1	.0
Dec	62.0	39.9	51.0	85	1948	16	60.8	1984	7	1989	23	41.6	1989	447	11	.0	.0	26.5	.2	8.8	.0
Ann	77.5	55.9	66.7	109	Sep 2000	1	86.9	Jul 1998	0	Feb 1956	23	40.2	Jan 1977	1847	2493	2.4	87.2	348.9	.9	30.1	.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: 1903-2001

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

Issue Date: February 2004

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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	6.30	6.03	6.45	1998	7	15.76	1998	.73	1986
Feb	4.58	3.80	7.70	1950	13	12.29	1984	.85	2000
Mar	5.32	5.03	5.30	1934	2	10.65	1973	1.02	1986
Apr	4.13	3.92	6.35+	1953	29	9.82	1991	.34	1987
May	5.40	4.24	8.86	1953	18	14.01	1991	.00	1998
Jun	5.52	5.17	5.32	1989	27	17.34	1989	1.45	1980
Jul	5.24	5.13	6.34	1945	14	11.79	1979	1.41	1993
Aug	4.16	4.42	7.00	1955	3	8.87	1996	.00	1999
Sep	4.63	4.02	9.00	1998	12	13.87	1998	.97	1978
Oct	4.18	3.63	6.53	1995	3	14.03	1985	.54	1983
Nov	5.28	4.73	4.45	1966	12	13.22	1982	1.25	1999
Dec	6.67	5.68	8.40	1982	26	23.18	1982	1.76	1980
Ann	61.41	59.92	9.00	Sep 1998	12	23.18	Dec 1982	.00+	Aug 1999

Mean Number of Days (3)

Daily Precipitation

Month	>= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	10.4	7.9	3.8	2.2
Feb	7.8	5.8	2.8	1.4
Mar	9.1	6.8	3.3	1.9
Apr	6.5	4.7	2.4	1.4
May	8.0	6.1	3.5	2.0
Jun	9.1	7.5	3.5	1.9
Jul	10.0	7.4	3.5	1.8
Aug	8.6	6.1	2.6	1.2
Sep	7.0	5.5	2.5	1.2
Oct	6.4	4.9	2.6	1.4
Nov	7.8	6.1	3.2	1.8
Dec	9.3	7.1	4.0	2.1
Ann	100.0	75.9	37.7	20.3

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	1.30	1.88	2.80	3.64	4.49	5.40	6.43	7.66	9.29	11.90	14.37
Feb	.90	1.31	1.99	2.60	3.23	3.90	4.66	5.58	6.79	8.73	10.58
Mar	1.62	2.13	2.88	3.53	4.16	4.81	5.53	6.38	7.47	9.17	10.74
Apr	.65	1.00	1.60	2.17	2.76	3.41	4.14	5.05	6.26	8.22	10.10
May	.77	1.48	2.40	3.15	3.91	4.70	5.59	6.64	8.03	10.23	12.30
Jun	1.50	2.03	2.82	3.52	4.20	4.92	5.72	6.66	7.88	9.80	11.60
Jul	2.07	2.55	3.24	3.81	4.35	4.89	5.49	6.17	7.04	8.36	9.58
Aug	.61	1.15	1.86	2.44	3.02	3.63	4.31	5.12	6.18	7.86	9.45
Sep	1.20	1.63	2.30	2.90	3.48	4.09	4.78	5.59	6.65	8.31	9.88
Oct	.77	1.14	1.76	2.32	2.90	3.53	4.24	5.10	6.24	8.07	9.82
Nov	1.63	2.14	2.88	3.52	4.14	4.79	5.50	6.33	7.40	9.07	10.62
Dec	1.97	2.60	3.55	4.38	5.18	6.01	6.93	8.01	9.41	11.61	13.64
Ann	43.55	47.01	51.44	54.80	57.79	60.68	63.67	66.97	70.97	76.78	81.81

\+ 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: 1903-2001
(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	.2	.0	#	0
Feb	#	.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	0
Dec	#	.0	#	0
Ann	.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	3.0	1973	12	3.0	1973	3	1973	12	#+	1997
Feb	#	1996	2	#+	1996	#+	1997	8	#+	1997
Mar	#	1996	8	#	1996	#	1996	8	#	1996
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	.0	0	0	.0	0	0	0	0	0	0
Dec	#	1996	17	#+	1996	#	1996	17	#	1996
Ann	3.0	Jan 1973	12	3.0	Jan 1973	3	Jan 1973	12	#+	Feb 1997

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.1	.1	.1	.0	.0
Feb	.0	.0	.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	.0	.0	.0	.0	.0
Ann	.1	.1	.1	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	@	@	.0	.0
Feb	.0	.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	.0	.0	.0	.0
Ann	@	@	.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

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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	4/11	4/03	3/29	3/24	3/20	3/15	3/11	3/05	2/26
32	3/27	3/19	3/13	3/08	3/04	2/27	2/22	2/17	2/09
28	3/15	3/05	2/26	2/20	2/14	2/08	2/02	1/26	1/16
24	3/01	2/19	2/11	2/04	1/29	1/22	1/15	1/04	0/00
20	2/02	1/22	1/14	1/04	12/19	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	10/25	10/30	11/03	11/06	11/10	11/13	11/16	11/20	11/26
32	11/01	11/08	11/13	11/18	11/22	11/26	11/30	12/05	12/12
28	11/13	11/21	11/27	12/02	12/07	12/11	12/16	12/22	12/30
24	11/29	12/10	12/17	12/24	12/30	1/05	1/13	1/23	0/00
20	12/15	12/26	1/04	1/14	1/31	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	260	251	245	239	234	229	223	217	208
32	290	281	274	268	262	257	251	244	234
28	334	321	311	303	295	287	279	269	256
24	>365	>365	>365	343	331	321	312	303	290
20	>365	>365	>365	>365	>365	>365	>365	346	328
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

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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	517	356	186	60	4	0	0	0	1	47	229	447	1847
60	376	233	91	16	0	0	0	0	0	12	132	311	1171
57	301	172	51	5	0	0	0	0	0	5	88	241	863
55	255	137	32	2	0	0	0	0	0	2	64	201	693
50	164	69	8	0	0	0	0	0	0	0	24	118	383
32	9	0	0	0	0	0	0	0	0	0	0	3	12

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	525	576	867	1030	1304	1436	1561	1553	1365	1108	794	590	12709
55	58	69	186	342	591	746	848	840	675	398	168	75	4996
57	41	48	143	285	529	686	786	778	615	338	132	54	4435
60	24	25	90	205	436	596	693	685	525	253	86	31	3649
65	3	8	30	100	285	446	538	530	376	133	33	11	2493
70	0	0	6	33	150	296	383	375	234	51	10	1	1539

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	310	391	623	788	1054	1189	1308	1299	1120	855	554	365	310	701	1324	2112	3166	4355	5663	6962	8082	8937	9491	9856
45	196	271	476	638	899	1039	1153	1144	970	700	412	240	196	467	943	1581	2480	3519	4672	5816	6786	7486	7898	8138
50	113	167	333	489	744	889	998	989	820	547	282	141	113	280	613	1102	1846	2735	3733	4722	5542	6089	6371	6512
55	58	93	209	344	589	739	843	834	670	399	175	79	58	151	360	704	1293	2032	2875	3709	4379	4778	4953	5032
60	27	41	107	214	435	589	688	679	521	258	93	37	27	68	175	389	824	1413	2101	2780	3301	3559	3652	3689
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	195	248	391	511	727	829	898	889	767	565	350	232	195	443	834	1345	2072	2901	3799	4688	5455	6020	6370	6602

(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