

# Climatology of the United States

No. 20

1971-2000

Station: CARVILLE 2 SW, LA

COOP ID: 161565

Climate Division: LA 8

NWS Call Sign:

Elevation: 25 Feet

Lat: 30°12N

Lon: 91°07W

## 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	60.7	41.0	50.9	82+	1957	31	57.5	1974	10	1982	11	41.7	1977	454	4	.0	.0	26.5	.1	7.0	.0
Feb	64.3	44.0	54.2	84+	1957	4	60.0+	1999	13	1951	2	44.4	1978	315	11	.0	.0	25.9	@	3.3	.0
Mar	71.1	50.1	60.6	88	1967	15	64.9	2000	23	1980	3	56.2	1993	163	27	.0	.0	30.6	.0	.7	.0
Apr	77.6	56.7	67.2	91+	1955	30	72.6	1999	34	1987	1	62.8	1983	46	110	.0	.2	30.0	.0	.0	.0
May	84.6	65.0	74.8	96+	1951	31	78.3	2000	43	1970	4	72.3	1976	1	305	.0	3.7	31.0	.0	.0	.0
Jun	89.5	71.0	80.3	100	1954	30	82.8	1998	55+	1952	1	77.6	1983	0	457	.0	16.8	30.0	.0	.0	.0
Jul	91.2	73.3	82.3	100+	1960	22	84.8	1998	58	1967	15	79.3	1972	0	534	.1	22.8	31.0	.0	.0	.0
Aug	91.2	72.9	82.1	104	2000	30	84.9	1999	60+	1950	21	77.7	1992	0	527	.1	23.3	31.0	.0	.0	.0
Sep	87.5	68.8	78.2	102	2000	3	81.4	1986	45	1967	30	75.0	1975	0	394	.1	12.3	30.0	.0	.0	.0
Oct	79.6	58.1	68.9	95	1998	5	73.6	1984	34	1957	28	62.6	1976	41	160	.0	1.1	31.0	.0	.0	.0
Nov	70.3	49.7	60.0	87+	1971	2	66.4	1985	22	1976	30	51.7	1976	204	54	.0	.0	29.5	.0	1.0	.0
Dec	63.3	43.4	53.4	82+	1951	7	61.4	1984	10	1989	23	45.3	1989	375	15	.0	.0	28.2	.1	4.5	.0
Ann	77.6	57.8	67.7	104	Aug 2000	30	84.9	Aug 1999	10+	Dec 1989	23	41.7	Jan 1977	1599	2598	.3	80.2	354.7	.2	16.5	.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/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

Issue Date: February 2004

(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

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# Climatology 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: CARVILLE 2 SW, LA**

**COOP ID: 161565**

**Climate Division: LA 8**

**NWS Call Sign:**

**Elevation: 25 Feet**

**Lat: 30°12N**

**Lon: 91°07W**

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	5.79	5.38	4.72	1993	20	15.49	1998	1.53	1981	9.7	7.3	3.4	1.9	1.38	1.93	2.77	3.53	4.28	5.07	5.96	7.01	8.40	10.60	12.66
Feb	4.64	4.35	5.55	1961	21	12.42	1988	.56	1975	8.3	5.8	3.5	1.8	1.11	1.55	2.23	2.83	3.43	4.06	4.77	5.62	6.72	8.48	10.12
Mar	4.89	4.42	3.90	2001	12	9.93	1980	1.91	1987	8.8	6.4	3.2	1.8	1.70	2.16	2.83	3.40	3.94	4.49	5.10	5.81	6.72	8.12	9.41
Apr	4.79	3.72	6.35	1977	21	12.83	1979	.50	1999	6.3	4.9	2.5	1.5	.43	.77	1.41	2.08	2.80	3.63	4.61	5.83	7.52	10.33	13.09
May	4.74	4.24	6.30	1991	8	17.94	1991	.05	2000	8.0	5.8	3.0	1.7	.57	.94	1.61	2.27	2.97	3.75	4.66	5.79	7.32	9.84	12.29
Jun	6.10	5.32	7.80	1997	17	19.38	1989	.64	1979	10.2	7.8	3.4	1.9	1.00	1.52	2.41	3.25	4.12	5.06	6.14	7.45	9.20	12.05	14.77
Jul	5.99	5.85	4.35	1954	29	16.84	1975	1.16	1973	11.7	8.7	4.0	1.8	2.08	2.65	3.47	4.16	4.83	5.51	6.25	7.12	8.23	9.94	11.52
Aug	5.57	4.90	5.32	1983	2	15.24	1977	.92	1990	10.9	8.2	3.5	1.5	1.01	1.50	2.32	3.08	3.85	4.69	5.64	6.80	8.33	10.80	13.16
Sep	4.55	3.67	5.10	1965	10	15.58	1973	1.14	1990	9.0	6.6	3.1	1.2	1.00	1.42	2.09	2.69	3.29	3.93	4.66	5.52	6.66	8.47	10.18
Oct	3.86	3.04	4.46	1995	14	12.64	1985	.04	1978	5.9	4.5	2.2	1.2	.29	.55	1.04	1.58	2.17	2.84	3.66	4.68	6.11	8.50	10.87
Nov	4.82	3.80	5.60	2000	18	14.66	2000	.24	1985	7.6	5.6	3.0	1.7	.69	1.10	1.79	2.46	3.16	3.92	4.81	5.89	7.35	9.73	12.02
Dec	4.98	4.35	5.85	1961	10	14.48	1971	1.09	1991	8.5	6.3	3.4	1.5	1.48	1.95	2.66	3.28	3.87	4.49	5.18	5.98	7.02	8.65	10.16
Ann	60.72	59.86	7.80	Jun 1997	17	19.38	Jun 1989	.04	Oct 1978	104.9	77.9	38.2	19.5	43.44	46.79	51.08	54.33	57.22	60.01	62.90	66.08	69.94	75.53	80.36

+ 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:  
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**Lon: 91°07W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										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	#	0	1.0	1973	11	1.0	1973	1	1973	11	#+	1982	@	@	.0	.0	.0	@	.0	.0	.0
Feb	.1	.0	#	0	2.0	1973	9	2.0	1973	1	1988	5	#	1988	.1	.1	.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	0	#	1977	29	#	1977	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.1	.0	N/A	N/A	2.0	Feb 1973	9	2.0	Feb 1973	1+	Feb 1988	5	#+	Feb 1988	.1	.1	.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

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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	3/26	3/19	3/14	3/09	3/05	3/01	2/24	2/19	2/11
32	3/12	3/04	2/26	2/21	2/17	2/12	2/08	2/02	1/25
28	3/01	2/18	2/09	2/02	1/26	1/18	1/08	12/21	0/00
24	2/13	2/02	1/24	1/15	1/04	0/00	0/00	0/00	0/00
20	1/22	1/10	0/00	0/00	0/00	0/00	0/00	0/00	0/00
16	1/05	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	11/05	11/12	11/16	11/20	11/24	11/27	12/01	12/06	12/12
32	11/11	11/18	11/23	11/28	12/02	12/06	12/10	12/15	12/23
28	12/03	12/09	12/14	12/19	12/23	12/28	1/03	1/14	0/00
24	12/15	12/27	1/06	1/15	1/29	0/00	0/00	0/00	0/00
20	1/06	1/18	0/00	0/00	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	292	282	275	269	263	257	251	244	234
32	315	306	299	293	287	282	276	269	259
28	>365	>365	>365	343	329	320	311	302	290
24	>365	>365	>365	>365	>365	>365	346	331	317
20	>365	>365	>365	>365	>365	>365	>365	>365	>365
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:

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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	454	315	163	46	1	0	0	0	0	41	204	375	1599
60	321	200	71	10	0	0	0	0	0	12	117	246	977
57	253	145	36	3	0	0	0	0	0	5	77	184	703
55	213	115	21	1	0	0	0	0	0	2	55	149	556
50	131	53	4	0	0	0	0	0	0	0	21	75	284
32	5	0	0	0	0	0	0	0	0	0	0	0	5

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	589	620	886	1054	1326	1447	1557	1550	1384	1142	841	663	13059
55	84	91	194	365	613	757	844	837	694	431	206	98	5214
57	61	65	147	307	551	697	782	775	634	371	168	72	4630
60	37	36	89	224	458	607	689	682	544	285	118	41	3810
65	4	11	27	110	305	457	534	527	394	160	54	15	2598
70	4	0	4	38	162	307	379	372	247	68	20	2	1603

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	369	436	658	824	1089	1217	1319	1317	1159	911	618	440	369	805	1463	2287	3376	4593	5912	7229	8388	9299	9917	10357
45	242	307	506	674	934	1067	1164	1162	1009	756	473	300	242	549	1055	1729	2663	3730	4894	6056	7065	7821	8294	8594
50	140	194	358	524	779	917	1009	1007	859	601	335	189	140	334	692	1216	1995	2912	3921	4928	5787	6388	6723	6912
55	70	105	220	376	624	767	854	852	709	448	210	105	70	175	395	771	1395	2162	3016	3868	4577	5025	5235	5340
60	31	49	114	239	469	617	699	697	559	300	121	50	31	80	194	433	902	1519	2218	2915	3474	3774	3895	3945
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	210	253	400	538	765	858	926	920	814	605	382	258	210	463	863	1401	2166	3024	3950	4870	5684	6289	6671	6929

(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](http://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.  
Complete documentation for the 1971-2000 Normals is available on the internet from:  
[www.ncdc.noaa.gov/oa/climate/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/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 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.

- |   |   |
|---|---|
| <ol style="list-style-type: none"><li>a. Temperature/ Precipitation Tables<ol style="list-style-type: none"><li>1. 1971-2000 Monthly Normals</li><li>2. Cooperative Summary of the Day</li><li>3. National Weather Service station records</li><li>4. 1971-2000 serially complete daily data</li></ol></li><li>b. Degree Day Table<ol style="list-style-type: none"><li>1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals</li><li>2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data</li></ol></li></ol> | <ol style="list-style-type: none"><li>c. Snow Tables<ol style="list-style-type: none"><li>1. Snow Climatology</li><li>2. Cooperative Summary of the Day</li></ol></li><li>d. Freeze Data Table<br/>1971-2000 serially complete daily data</li></ol> |
|---|---|

## References

U.S. Climate Normals 1971-2000, [www.ncdc.noaa.gov/normal.html](http://www.ncdc.noaa.gov/normal.html)  
U.S. Climate Normals 1971-2000-Products Clim20, [www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormalsprods.html)  
Snow Climatology Project Description, [www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html](http://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](http://www1.ncdc.noaa.gov/pub/data/special/serialcomplete_jam_0900.pdf)