

# Climatography of the United States

No. 20

1971-2000

Station: AMITE, LA

COOP ID: 160205

Climate Division: LA 6

NWS Call Sign:

Elevation: 170 Feet

Lat: 30°42N

Lon: 90°32W

## 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	60.4	37.6	49.0	89	1949	9	58.1	1974	7+	1982	11	40.1	1977	510	0	.0	.0	25.7	.1	11.0	.0
Feb	64.7	40.6	52.7	88	1957	5	58.2	1976	10	1951	3	43.5	1978	351	5	.0	.0	25.4	.2	7.0	.0
Mar	71.9	47.6	59.8	89+	1955	13	64.7	1985	20+	1980	2	54.5	1996	191	29	.0	.0	30.3	.0	2.1	.0
Apr	78.2	53.0	65.6	94	1987	22	70.6	1981	30+	1987	4	61.4	1993	66	85	.0	.3	30.0	.0	.2	.0
May	85.0	61.0	73.0	99	1951	31	76.6	2000	40+	1952	12	70.0	1988	4	252	.0	6.4	31.0	.0	.0	.0
Jun	90.5	67.4	79.0	104	1988	29	82.9	1998	49	1984	1	76.5	1983	0	417	.4	20.1	30.0	.0	.0	.0
Jul	92.1	70.0	81.1	104	1954	1	83.4	1998	57	1967	16	78.8	1972	0	497	.6	25.2	31.0	.0	.0	.0
Aug	92.2	69.4	80.8	105	2000	31	83.9	1999	55	1990	10	77.7	1992	0	490	.9	25.1	31.0	.0	.0	.0
Sep	88.7	64.9	76.8	103+	2000	3	80.4	1980	39	1967	29	73.7	1975	1	353	.3	16.4	30.0	.0	.0	.0
Oct	80.6	53.2	66.9	95	1995	2	71.9	1984	27+	1952	29	60.0	1976	64	123	.0	2.4	31.0	.0	.1	.0
Nov	70.7	45.4	58.1	89	1984	1	64.5	1985	20	1976	30	50.0	1976	241	33	.0	.0	29.4	.0	3.4	.0
Dec	63.0	39.2	51.1	86	1967	21	59.7	1984	5	1989	23	41.6	1989	444	13	.0	.0	27.9	.1	9.2	.0
Ann	78.2	54.1	66.2	105	Aug 2000	31	83.9	Aug 1999	5	Dec 1989	23	40.1	Jan 1977	1872	2297	2.2	95.9	352.7	.4	33.0	.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/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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# 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: AMITE, LA**

**COOP ID: 160205**

**Climate Division: LA 6**

**NWS Call Sign:**

**Elevation: 170 Feet**

**Lat: 30°42N**

**Lon: 90°32W**

### Precipitation (inches)

Precipitation (inches)																								
	Precipitation Totals									Mean Number of Days <sup>(3)</sup>				Precipitation Probabilities <sup>(1)</sup> Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians <sup>(1)</sup>		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med- ian	Highest Daily <sup>(2)</sup>	Year	Day	Highest Monthly <sup>(1)</sup>	Year	Lowest Monthly <sup>(1)</sup>	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	6.73	6.47	5.50	1975	8	15.49	1998	.75	1981	10.2	8.0	4.1	2.2	1.84	2.48	3.45	4.30	5.13	6.00	6.97	8.11	9.59	11.92	14.09
Feb	5.42	4.45	7.13	1961	21	12.42	1988	1.06	1999	8.1	6.2	3.8	2.0	1.33	1.84	2.63	3.33	4.03	4.76	5.59	6.56	7.84	9.87	11.78
Mar	6.39	6.29	4.68	1973	25	16.06	1980	1.66	1984	8.4	6.8	4.3	2.5	2.50	3.09	3.93	4.63	5.29	5.96	6.69	7.54	8.61	10.25	11.75
Apr	6.14	4.62	8.77	1983	6	18.95	1983	.57	1999	7.0	5.2	3.0	1.8	.74	1.22	2.09	2.94	3.85	4.86	6.04	7.50	9.48	12.74	15.90
May	5.62	5.29	7.16	1974	22	12.94	1972	.57	1998	8.2	6.4	3.2	1.7	1.07	1.57	2.40	3.16	3.93	4.76	5.70	6.84	8.35	10.78	13.09
Jun	5.02	5.00	8.10	1950	7	11.19	1975	1.08	1974	9.6	7.5	3.3	1.8	1.30	1.78	2.50	3.15	3.78	4.44	5.19	6.06	7.21	9.02	10.71
Jul	5.96	5.38	4.95	1949	4	14.43	1979	2.28	1985	11.6	8.8	4.2	2.0	2.46	3.01	3.77	4.40	5.00	5.60	6.24	6.99	7.93	9.37	10.68
Aug	5.38	4.48	7.48	1992	26	14.50	1992	1.20+	1990	10.2	7.6	3.4	1.7	1.35	1.86	2.64	3.33	4.02	4.74	5.54	6.50	7.75	9.72	11.57
Sep	4.90	3.89	8.55	1977	6	17.00	1971	.52	1995	7.7	6.1	3.2	1.4	.77	1.19	1.90	2.57	3.27	4.04	4.91	5.98	7.41	9.74	11.97
Oct	3.97	3.18	5.41	1996	26	15.23	1996	.00	1978	5.5	4.4	2.5	1.2	.27	.67	1.30	1.88	2.50	3.17	3.95	4.91	6.20	8.31	10.36
Nov	4.79	4.24	6.25	1953	20	12.00	1986	.48	1981	8.1	6.1	3.0	1.7	.83	1.25	1.95	2.61	3.28	4.00	4.83	5.84	7.18	9.35	11.42
Dec	5.40	4.27	7.07	1982	4	14.00	1971	2.28	1980	8.7	6.6	3.3	1.7	1.75	2.27	3.02	3.66	4.28	4.92	5.63	6.45	7.50	9.14	10.66
Ann	65.72	65.03	8.77	Apr 1983	6	18.95	Apr 1983	.00	Oct 1978	103.3	79.7	41.3	21.7	46.66	50.35	55.07	58.66	61.84	64.92	68.10	71.62	75.89	82.07	87.43

+ 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

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Station: AMITE, LA

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NWS Call Sign:

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Lat: 30°42N

Lon: 90°32W

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	.1	.0	#	0	3.0	1973	12	3.0	1973	3	1973	12	#+	1982	@	@	@	.0	.0	@	@	.0	.0
Feb	.1	.0	#	0	2.5	1973	9	2.5	1973	3	1973	9	#+	1988	.1	@	.0	.0	.0	.1	@	.0	.0
Mar	#	.0	0	0	#	1980	2	#+	1980	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	#	1985	14	#+	1985	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.2	.0	N/A	N/A	3.0	Jan 1973	12	3.0	Jan 1973	3+	Feb 1973	9	#+	Feb 1988	.1	@	@	.0	.0	.1	@	.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:

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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	4/13	4/07	4/02	3/29	3/26	3/22	3/18	3/13	3/07
32	4/01	3/26	3/21	3/17	3/13	3/10	3/06	3/01	2/23
28	3/13	3/06	2/28	2/23	2/19	2/15	2/10	2/05	1/28
24	3/02	2/21	2/15	2/09	2/04	1/30	1/24	1/17	1/07
20	2/17	2/06	1/29	1/21	1/11	12/26	0/00	0/00	0/00
16	1/17	1/05	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	10/16	10/23	10/28	11/02	11/06	11/10	11/14	11/20	11/27
32	10/31	11/06	11/10	11/14	11/17	11/21	11/24	11/28	12/04
28	11/15	11/21	11/26	12/01	12/05	12/09	12/13	12/18	12/25
24	11/30	12/09	12/17	12/23	12/28	1/03	1/10	1/17	1/29
20	12/13	12/25	1/03	1/12	1/23	2/11	0/00	0/00	0/00
16	1/03	1/15	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	256	245	237	231	224	218	211	204	193
32	276	266	260	254	248	243	237	230	221
28	314	305	298	293	288	283	277	271	262
24	>365	355	338	329	322	316	309	302	291
20	>365	>365	>365	>365	>365	>365	341	325	310
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/normal/usnormals.html](http://www.ncdc.noaa.gov/oa/climate/normal/usnormals.html)

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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	510	351	191	66	4	0	0	0	1	64	241	444	1872
60	374	225	95	18	0	0	0	0	0	21	143	310	1186
57	301	162	53	6	0	0	0	0	0	9	97	241	869
55	258	127	34	3	0	0	0	0	0	5	72	202	701
50	169	59	8	0	0	0	0	0	0	1	28	119	384
32	12	0	0	0	0	0	0	0	0	0	0	3	15

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	538	578	861	1008	1271	1407	1520	1513	1343	1082	782	595	12498
55	71	61	182	321	558	717	807	800	653	374	164	80	4788
57	52	40	140	264	496	657	745	738	593	316	129	58	4228
60	32	19	88	186	403	567	652	645	503	235	85	34	3449
65	0	5	29	85	252	417	497	490	353	123	33	13	2297
70	0	0	6	24	122	268	342	335	210	47	11	1	1366

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	330	402	636	787	1049	1191	1297	1290	1130	866	572	388	330	732	1368	2155	3204	4395	5692	6982	8112	8978	9550	9938
45	215	278	486	637	894	1041	1142	1135	980	711	426	262	215	493	979	1616	2510	3551	4693	5828	6808	7519	7945	8207
50	127	173	344	490	739	891	987	980	830	556	299	161	127	300	644	1134	1873	2764	3751	4731	5561	6117	6416	6577
55	63	101	220	350	584	741	832	825	680	402	189	94	63	164	384	734	1318	2059	2891	3716	4396	4798	4987	5081
60	29	46	118	218	429	591	677	670	530	264	102	44	29	75	193	411	840	1431	2108	2778	3308	3572	3674	3718
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	208	254	406	523	716	816	890	873	771	579	373	252	208	462	868	1391	2107	2923	3813	4686	5457	6036	6409	6661

(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)