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: SLIDELL, LA **COOP ID: 168539**

Climate Division: LA 6 **NWS Call Sign: SIL** **Elevation: 10 Feet** **Lat: 30˚16N** **Lon: 89˚46W**

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	61.2	40.2	50.7	81	1972	10	61.0	1974	8	1985	21	41.6	1977	462	4	.0	.0	26.8	.0	8.1	.0
Feb	64.3	42.8	53.6	86	1957	6	59.3	1990	15	1996	5	43.5	1978	326	6	.0	.0	25.8	.1	5.0	.0
Mar	71.0	50.2	60.6	89	1963	31	65.8	1985	22	1980	3	55.4	1996	170	34	.0	.0	30.6	.0	1.1	.0
Apr	77.2	56.3	66.8	92	1987	28	72.5	1981	32+	1971	3	63.0	1993	49	101	.0	.1	30.0	.0	.1	.0
May	84.2	64.5	74.4	95+	1962	19	77.3	1998	42	1960	13	70.4	1976	1	291	.0	3.1	31.0	.0	.0	.0
Jun	89.3	70.7	80.0	104	1964	21	84.1	1998	50	1984	1	77.7	1974	0	450	.0	15.6	30.0	.0	.0	.0
Jul	91.1	73.0	82.1	102+	1980	16	84.7	1998	57	1967	16	80.0	1999	0	528	.1	23.0	31.0	.0	.0	.0
Aug	91.0	72.4	81.7	103	1970	2	84.0	1998	58+	1956	23	78.9	1973	0	517	.1	22.2	31.0	.0	.0	.0
Sep	87.6	68.3	78.0	99+	1980	10	81.7	1980	42+	1967	29	73.5	1975	0	389	.0	12.6	30.0	.0	.0	.0
Oct	80.0	57.1	68.6	94	1963	6	74.5	1984	31+	1957	28	61.4	1976	51	161	.0	1.1	31.0	.0	.1	.0
Nov	70.9	49.0	60.0	90	1965	20	67.5	1985	24	1976	30	51.1	1976	203	52	.0	.0	29.7	.0	1.8	.0
Dec	63.6	42.2	52.9	86	1961	5	61.7	1984	9	1989	23	45.2	1989	390	15	.0	.0	28.3	.1	6.5	.0
Ann	77.6	57.2	67.5	104	Jun 1964	21	84.7	Jul 1998	8	Jan 1985	21	41.6	Jan 1977	1652	2548	.2	77.7	355.2	.2	22.7	.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: 1956-2001

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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	6.42	4.88	5.57	1978	25	21.85	1991	.93	1981
Feb	5.03	5.05	3.83	1983	1	10.73	1979	.22	1989
Mar	5.94	5.51	9.63	1961	17	12.97	1988	1.54	1981
Apr	4.76	3.25	7.26	1983	7	16.05	1991	.05	1999
May	5.76	5.24	13.42	1995	10	26.14	1995	.01	1998
Jun	4.27	4.14	8.20	2001	11	8.53	1975	.31	1977
Jul	6.55	6.54	7.55	1958	21	13.65	1979	1.35	1986
Aug	5.85	5.01	6.10	1985	15	13.15	1988	1.32	1976
Sep	5.16	4.36	5.91	1956	30	16.62	1998	.31	1995
Oct	3.10	3.03	3.96	1991	28	9.36	1985	.00	1978
Nov	5.13	4.05	5.37	1997	29	16.57	1992	.79	1981
Dec	4.69	4.21	4.68	1992	16	10.42	1972	1.74	1998
Ann	62.66	62.69	13.42	May 1995	10	26.14	May 1995	.00	Oct 1978

Mean Number of Days (3)

Month	Daily Precipitation >= 0.01	>= 0.10	>= 0.50	>= 1.00
Jan	11.0	7.8	3.9	2.0
Feb	8.7	6.4	3.1	1.8
Mar	10.0	6.6	3.5	2.2
Apr	7.1	4.7	2.4	1.4
May	8.1	5.6	3.0	1.7
Jun	10.6	7.1	3.0	1.3
Jul	12.9	8.5	4.5	2.1
Aug	12.7	8.4	3.9	1.6
Sep	9.7	6.8	3.6	1.8
Oct	6.4	3.6	1.9	.9
Nov	8.8	6.2	3.3	1.7
Dec	9.9	6.1	2.7	1.4
Ann	115.9	77.8	38.8	19.9

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	1.11	1.68	2.61	3.49	4.39	5.36	6.48	7.83	9.63	12.53	15.31
Feb	.88	1.33	2.06	2.75	3.45	4.22	5.09	6.14	7.54	9.81	11.98
Mar	2.05	2.61	3.43	4.12	4.78	5.46	6.20	7.07	8.18	9.89	11.47
Apr	.26	.53	1.10	1.74	2.47	3.34	4.39	5.74	7.64	10.88	14.11
May	.34	.67	1.37	2.15	3.04	4.08	5.34	6.96	9.24	13.10	16.94
Jun	1.09	1.50	2.12	2.66	3.20	3.77	4.40	5.15	6.13	7.68	9.13
Jul	2.15	2.77	3.68	4.46	5.21	5.98	6.83	7.82	9.09	11.07	12.90
Aug	1.85	2.40	3.23	3.93	4.61	5.32	6.09	7.00	8.17	9.99	11.68
Sep	.94	1.40	2.15	2.85	3.57	4.34	5.23	6.29	7.71	9.99	12.17
Oct	.09	.30	.72	1.16	1.65	2.22	2.91	3.78	5.00	7.04	9.07
Nov	1.03	1.49	2.25	2.93	3.63	4.38	5.22	6.24	7.58	9.73	11.78
Dec	1.75	2.18	2.81	3.34	3.84	4.35	4.90	5.55	6.37	7.63	8.78
Ann	40.24	44.41	49.84	54.03	57.79	61.46	65.28	69.55	74.76	82.41	89.10

\+ 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: 1956-2001
(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	#	.0	#	0
Feb	.1	.0	#	0
Mar	.1	.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	#	1985	20	#+	1985	#	1982	14	#	1982
Feb	2.0	1973	9	2.0+	1988	1+	1988	5	#+	1988
Mar	2.0	1993	12	2.0	1993	2	1993	12	#	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	.0	0	0	.0	0	0	0	0	0	0
Dec	#	1993	22	#+	1993	#	1989	24	#	1989
Ann	2.0+	Mar 1993	12	2.0+	Mar 1993	2	Mar 1993	12	#+	Mar 1993

Mean Number of Days (1)

Snow Fall >= Thresholds

Month	0.1	1.0	3.0	5.0	10.0
Jan	.0	.0	.0	.0	.0
Feb	.1	.1	.0	.0	.0
Mar	@	@	.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	.0	.0	.0

Snow Depth >= Thresholds

Month	1	3	5	10
Jan	.0	.0	.0	.0
Feb	.1	.0	.0	.0
Mar	@	.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	.1	.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	4/05	3/30	3/25	3/21	3/17	3/13	3/08	3/04	2/25
32	3/22	3/14	3/09	3/05	3/01	2/24	2/20	2/15	2/07
28	3/12	3/01	2/22	2/15	2/09	2/03	1/28	1/20	1/09
24	2/25	2/14	2/06	1/29	1/22	1/13	12/31	0/00	0/00
20	1/19	1/10	1/01	12/19	0/00	0/00	0/00	0/00	0/00
16	1/13	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	10/28	11/03	11/07	11/10	11/13	11/17	11/20	11/24	11/29
32	11/05	11/12	11/18	11/23	11/27	12/02	12/06	12/12	12/19
28	11/20	11/30	12/07	12/14	12/19	12/25	12/31	1/08	1/18
24	12/10	12/22	12/31	1/08	1/16	1/25	2/08	0/00	0/00
20	12/24	1/03	1/12	1/26	0/00	0/00	0/00	0/00	0/00
16	1/12	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	266	257	251	246	241	236	231	225	216
32	298	288	282	276	271	266	260	253	244
28	>365	333	321	313	306	300	293	286	275
24	>365	>365	>365	>365	>365	344	330	317	303
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

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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	462	326	170	49	1	0	0	0	0	51	203	390	1652
60	333	202	79	11	0	0	0	0	0	16	115	261	1017
57	266	142	42	3	0	0	0	0	0	7	75	198	733
55	228	110	25	1	0	0	0	0	0	4	53	162	583
50	145	47	5	0	0	0	0	0	0	0	19	87	303
32	9	0	0	0	0	0	0	0	0	0	0	1	10

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	588	604	887	1042	1312	1440	1551	1540	1379	1133	839	649	12964
55	94	70	199	354	599	750	838	827	689	424	202	97	5143
57	71	46	153	296	537	690	776	765	629	365	164	71	4563
60	45	22	97	213	444	600	683	672	539	281	114	41	3751
65	4	6	34	101	291	450	528	517	389	161	52	15	2548
70	3	0	7	31	149	300	373	362	243	73	18	3	1562

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	428	651	815	1077	1209	1312	1300	1144	894	606	432	369	797	1448	2263	3340	4549	5861	7161	8305	9199	9805	10237
45	246	298	503	665	922	1059	1157	1145	994	739	459	294	246	544	1047	1712	2634	3693	4850	5995	6989	7728	8187	8481
50	149	189	355	515	767	909	1002	990	844	585	326	185	149	338	693	1208	1975	2884	3886	4876	5720	6305	6631	6816
55	79	104	226	370	612	759	847	835	694	434	205	110	79	183	409	779	1391	2150	2997	3832	4526	4960	5165	5275
60	33	49	122	232	457	609	692	680	544	287	115	53	33	82	204	436	893	1502	2194	2874	3418	3705	3820	3873
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	222	257	406	532	753	854	923	908	802	597	380	265	222	479	885	1417	2170	3024	3947	4855	5657	6254	6634	6899

(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:
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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