

Climatology of the United States

No. 20

1971-2000

Station: RESERVE, LA

COOP ID: 167767

Climate Division: LA 9

NWS Call Sign:

Elevation: 15 Feet

Lat: 30°05N

Lon: 90°37W

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	61.4	41.1	51.3	84	1957	29	61.7	1974	11	1982	11	43.3	1977	444	3	.0	.0	26.2	.1	6.9	.0
Feb	64.9	44.1	54.5	87	1957	5	60.8	1976	16+	1951	2	44.8	1978	304	8	.0	.0	25.9	.1	3.8	.0
Mar	71.5	51.0	61.3	90	1955	17	67.1	1985	23	1980	3	55.0	1996	163	47	.0	.0	30.4	.0	.8	.0
Apr	77.8	56.6	67.2	92+	1948	29	72.4	1979	34+	1987	1	62.5	1993	47	113	.0	.3	30.0	.0	.0	.0
May	84.6	64.4	74.5	98	1951	31	78.6	2000	42	1999	16	70.9	1988	3	297	.0	3.8	31.0	.0	.0	.0
Jun	89.3	70.5	79.9	99+	1948	25	83.2	1998	53	1984	1	77.6	1983	0	447	.0	15.3	30.0	.0	.0	.0
Jul	91.2	72.7	82.0	101+	1954	1	85.0	1998	60+	1967	15	79.0	1994	0	525	.2	23.0	31.0	.0	.0	.0
Aug	90.9	72.2	81.6	103	2000	31	84.9	1999	59	1967	12	78.9	1992	0	513	.1	22.2	31.0	.0	.0	.0
Sep	87.3	68.7	78.0	99+	1953	27	81.4	1980	45+	1967	29	75.1	1975	0	389	.0	11.5	30.0	.0	.0	.0
Oct	79.5	57.9	68.7	96	1998	3	73.4	1984	32	1952	30	62.0	1976	48	162	.0	1.1	31.0	.0	.0	.0
Nov	71.0	50.0	60.5	88	1984	2	67.7	1985	25	1976	30	52.4	1976	198	62	.0	.0	29.5	.0	.9	.0
Dec	64.2	43.3	53.8	84	1956	8	63.1	1971	9+	1989	23	43.4	1989	368	18	.0	.0	28.2	.1	5.4	.0
Ann	77.8	57.7	67.8	103	Aug 2000	31	85.0	Jul 1998	9+	Dec 1989	23	43.3	Jan 1977	1575	2584	.3	77.2	354.2	.3	17.8	.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

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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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: RESERVE, LA

COOP ID: 167767

Climate Division: LA 9

NWS Call Sign:

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Lat: 30°05N

Lon: 90°37W

Precipitation (inches)

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	6.23	4.95	5.89	1965	23	17.97	1998	1.19	1971	10.4	7.7	3.9	2.3	1.31	1.88	2.80	3.63	4.46	5.35	6.36	7.57	9.16	11.71	14.12
Feb	5.42	5.11	6.05	1956	16	14.63	1988	.52	1989	8.1	6.3	3.5	2.0	.73	1.17	1.95	2.70	3.49	4.37	5.38	6.62	8.30	11.04	13.69
Mar	5.82	5.46	5.77	1990	10	12.51	1990	2.69	1981	8.3	6.3	3.6	2.2	2.24	2.78	3.55	4.19	4.80	5.42	6.09	6.86	7.85	9.37	10.75
Apr	5.12	4.52	8.20	1953	25	15.11	1991	.23	1999	6.3	4.8	2.5	1.7	.39	.72	1.38	2.08	2.87	3.77	4.85	6.22	8.12	11.32	14.47
May	5.20	4.28	7.40	1995	9	18.43	1995	.20	1998	7.3	6.0	2.9	1.8	.50	.88	1.59	2.31	3.10	3.98	5.03	6.34	8.14	11.13	14.06
Jun	6.67	6.50	7.10	2001	7	16.46	1983	.83	1979	10.2	8.2	4.6	2.6	1.39	2.00	2.98	3.87	4.77	5.73	6.81	8.11	9.83	12.57	15.17
Jul	6.42	6.89	3.03	1986	28	11.96	1997	1.34	2000	12.6	10.1	4.1	1.9	2.54	3.13	3.97	4.67	5.33	6.00	6.72	7.56	8.62	10.25	11.73
Aug	5.35	4.91	3.90	1988	10	15.68	1977	.86	1980	11.2	8.3	3.7	1.4	1.50	2.01	2.78	3.45	4.10	4.79	5.54	6.44	7.60	9.42	11.12
Sep	5.70	4.73	5.80	1948	4	20.08	1998	.25	1997	9.3	7.1	3.9	1.8	.87	1.35	2.18	2.97	3.78	4.68	5.71	6.96	8.65	11.40	14.03
Oct	3.39	3.00	4.97	1993	30	11.22	1985	.00	1978	5.6	4.4	2.1	1.3	.53	.98	1.55	2.02	2.49	2.98	3.52	4.17	5.01	6.35	7.60
Nov	4.83	4.43	5.30	1992	4	13.90	2000	.16	1985	7.6	5.7	3.0	1.7	.64	1.03	1.72	2.39	3.10	3.88	4.78	5.90	7.40	9.87	12.25
Dec	4.66	4.72	5.69	1982	4	8.58	1976	1.51	1998	8.2	6.1	2.8	1.7	1.98	2.41	3.00	3.48	3.93	4.39	4.89	5.45	6.17	7.26	8.25
Ann	64.81	63.14	8.20	Apr 1953	25	20.08	Sep 1998	.00	Oct 1978	105.1	81.0	40.6	22.4	44.08	48.02	53.11	57.00	60.47	63.84	67.33	71.21	75.93	82.81	88.79

+ 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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Climate Division: LA 9

NWS Call Sign:

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Lat: 30°05N

Lon: 90°37W

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	0	.5	1973	10	.5	1973	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Feb	.0	.0	#	0	1.0	1988	6	1.0	1988	1	1988	6	#	1988	@	@	.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	#	1989	23	#+	1989	#	1989	26	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	#	.0	N/A	N/A	1.0	Feb 1988	6	1.0	Feb 1988	1	Feb 1988	6	#+	Dec 1989	@	@	.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	3/27	3/19	3/14	3/09	3/04	2/28	2/23	2/17	2/10
32	3/18	3/09	3/03	2/26	2/21	2/16	2/11	2/05	1/27
28	3/04	2/23	2/17	2/11	2/06	1/31	1/25	1/18	1/03
24	2/13	2/01	1/23	1/14	12/31	0/00	0/00	0/00	0/00
20	1/26	1/11	12/23	0/00	0/00	0/00	0/00	0/00	0/00
16	1/08	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	11/02	11/09	11/14	11/19	11/23	11/27	12/01	12/06	12/13
32	11/21	11/27	12/01	12/05	12/09	12/12	12/16	12/20	12/27
28	11/26	12/06	12/13	12/20	12/26	1/01	1/07	1/16	2/01
24	12/19	12/28	1/05	1/13	1/25	0/00	0/00	0/00	0/00
20	1/03	1/18	2/07	0/00	0/00	0/00	0/00	0/00	0/00
16	1/15	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	314	306	300	295	290	285	280	274	265
28	>365	>365	339	327	319	312	304	296	285
24	>365	>365	>365	>365	>365	>365	>365	342	319
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	444	304	163	47	3	0	0	0	0	48	198	368	1575
60	320	185	78	11	0	0	0	0	0	15	114	244	967
57	254	130	42	4	0	0	0	0	0	7	74	184	695
55	217	100	26	1	0	0	0	0	0	4	53	149	550
50	136	41	6	0	0	0	0	0	0	0	20	77	280
32	8	0	0	0	0	0	0	0	0	0	0	0	8

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	604	629	907	1056	1317	1437	1548	1536	1379	1137	855	673	13078
55	100	84	220	368	604	747	835	823	689	428	218	109	5225
57	75	59	174	310	542	687	773	761	629	369	179	82	4640
60	48	30	117	227	449	597	680	668	539	284	128	49	3816
65	3	8	47	113	297	447	525	513	389	162	62	18	2584
70	2	0	13	40	159	297	370	358	242	72	24	6	1583

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	380	434	671	824	1077	1204	1312	1303	1149	900	623	447	380	814	1485	2309	3386	4590	5902	7205	8354	9254	9877	10324
45	253	304	518	674	922	1054	1157	1148	999	745	475	312	253	557	1075	1749	2671	3725	4882	6030	7029	7774	8249	8561
50	153	193	373	526	767	904	1002	993	849	590	339	195	153	346	719	1245	2012	2916	3918	4911	5760	6350	6689	6884
55	79	104	239	379	612	754	847	838	699	436	219	112	79	183	422	801	1413	2167	3014	3852	4551	4987	5206	5318
60	33	46	130	242	458	604	692	683	549	291	122	57	33	79	209	451	909	1513	2205	2888	3437	3728	3850	3907
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	222	256	411	539	750	850	915	903	807	600	385	267	222	478	889	1428	2178	3028	3943	4846	5653	6253	6638	6905

(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/normal/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
- 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">a. Temperature/ Precipitation Tables<ol style="list-style-type: none">1. 1971-2000 Monthly Normals2. Cooperative Summary of the Day3. National Weather Service station records4. 1971-2000 serially complete daily datab. Degree Day Table<ol style="list-style-type: none">1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data | <ol style="list-style-type: none">c. Snow Tables<ol style="list-style-type: none">1. Snow Climatology2. Cooperative Summary of the Dayd. Freeze Data Table
1971-2000 serially complete daily data |
|---|---|

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normal.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normal/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