

Climatography of the United States

No. 20

1971-2000

Station: TALLULAH, LA

COOP ID: 168923

Climate Division: LA 3

NWS Call Sign:

Elevation: 85 Feet

Lat: 32° 24N

Lon: 91° 13W

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	54.8	34.6	44.7	81+	1952	26	51.1	1989	-2	1948	24	34.0	1977	637	0	.0	.0	19.5	1.3	14.7	.0
Feb	60.2	38.3	49.3	84	1986	21	56.0	1976	-12	1951	2	38.7	1978	445	4	.0	.0	21.5	.8	8.8	.0
Mar	68.3	45.9	57.1	89	1982	19	62.0	1974	11	1980	3	52.4	1983	263	19	.0	.0	28.8	@	2.4	.0
Apr	75.7	52.7	64.2	92	1999	25	70.5	1981	28+	1950	15	58.4	1983	100	75	.0	.1	30.0	.0	.2	.0
May	82.9	61.8	72.4	97+	1951	30	76.0	2000	41+	1957	6	67.5	1976	12	239	.0	3.7	31.0	.0	.0	.0
Jun	89.4	68.9	79.2	101+	1953	21	82.6	1998	47	1956	3	75.6	1974	0	424	@	16.9	30.0	.0	.0	.0
Jul	92.0	71.7	81.9	104	1954	16	84.8	1980	54	1967	15	78.9	1984	0	523	.6	23.6	31.0	.0	.0	.0
Aug	91.7	70.5	81.1	106	2000	31	84.7	2000	52	1956	23	77.0	1992	0	498	.6	22.9	31.0	.0	.0	.0
Sep	86.7	64.5	75.6	105	2000	1	80.9	1972	34	1967	29	69.7	1974	6	323	.2	12.2	30.0	.0	.0	.0
Oct	77.6	52.2	64.9	95+	1954	5	69.9	1971	22+	1952	29	58.6	1976	95	92	.0	1.5	30.9	.0	.2	.0
Nov	66.4	44.1	55.3	88+	1955	13	61.2	1985	15	1951	19	46.8	1976	308	16	.0	.0	27.9	@	4.4	.0
Dec	57.5	36.8	47.2	83	1982	3	56.1	1984	4	1989	23	38.4	1989	560	6	.0	.0	22.7	.7	12.3	.0
Ann	75.3	53.5	64.4	106	Aug 2000	31	84.8	Jul 1980	-12	Feb 1951	2	34.0	Jan 1977	2426	2219	1.4	80.9	334.3	2.8	43.0	.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

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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No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: TALLULAH, LA

COOP ID: 168923

Climate Division: LA 3

NWS Call Sign:

Elevation: 85 Feet

Lat: 32°24N

Lon: 91°13W

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	6.09	4.69	5.14	1999	30	15.69	1974	.67	2000	10.3	7.9	4.0	1.9	1.24	1.79	2.68	3.50	4.33	5.21	6.21	7.41	9.00	11.54	13.95
Feb	4.89	4.64	8.37	1966	10	9.58+	1987	1.07	1999	8.1	6.2	3.4	1.6	1.21	1.67	2.38	3.01	3.64	4.30	5.03	5.91	7.05	8.87	10.56
Mar	6.40	6.27	7.45	1951	28	11.68	1973	2.66	1986	9.0	6.8	4.2	2.3	2.96	3.52	4.30	4.92	5.50	6.09	6.71	7.42	8.32	9.68	10.90
Apr	5.52	4.59	6.32	1991	29	17.16	1991	.59	1981	7.1	5.2	3.1	2.0	.90	1.38	2.18	2.94	3.72	4.57	5.55	6.73	8.32	10.90	13.36
May	5.91	4.51	5.86	1983	19	14.53	1983	.98	1988	9.1	7.6	3.6	2.0	1.19	1.73	2.60	3.39	4.19	5.05	6.02	7.19	8.73	11.20	13.54
Jun	4.64	3.70	5.32	1990	1	11.12	1975	.59	1988	9.1	6.1	2.9	1.3	1.14	1.57	2.25	2.85	3.44	4.07	4.77	5.61	6.70	8.44	10.06
Jul	3.92	3.88	4.32	1981	2	8.45	1981	.18	1986	8.7	6.7	2.6	.9	.78	1.14	1.71	2.24	2.77	3.35	3.99	4.77	5.80	7.45	9.02
Aug	3.07	2.69	10.23	1948	9	7.80	1992	.29	1990	6.7	4.8	2.0	.8	.34	.58	1.01	1.43	1.89	2.40	3.00	3.75	4.76	6.44	8.07
Sep	3.16	3.01	5.65	1982	12	9.78	1982	.71	1995	6.3	4.4	2.0	.9	.80	1.10	1.56	1.97	2.37	2.79	3.26	3.81	4.54	5.69	6.77
Oct	3.75	3.15	4.61	1975	16	11.14	1984	.11	1989	6.4	4.7	2.3	1.4	.36	.63	1.14	1.67	2.23	2.87	3.63	4.57	5.87	8.02	10.13
Nov	5.22	4.70	7.00	1987	16	14.71	1987	1.37	1981	8.3	6.4	3.3	1.6	1.40	1.89	2.65	3.31	3.96	4.64	5.40	6.29	7.46	9.29	11.01
Dec	6.04	4.95	6.35	1998	12	17.90	1982	1.14	1980	9.5	7.1	4.0	2.0	1.58	2.15	3.02	3.79	4.55	5.35	6.24	7.29	8.66	10.82	12.84
Ann	58.61	57.68	10.23	Aug 1948	9	17.90	Dec 1982	.11	Oct 1989	98.6	73.9	37.4	18.7	40.69	44.12	48.53	51.90	54.89	57.79	60.79	64.12	68.16	74.04	79.14

+ 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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NWS Call Sign:

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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	.3	.0	#	0	1.8	1977	31	3.3	1977	5	1982	14	#+	2000	.2	.2	.0	.0	.0	.1	.0	.0	.0
Feb	.1	.0	#	0	.8	1971	8	.8	1971	4	1985	2	#+	1988	.1	.0	.0	.0	.0	@	.0	.0	.0
Mar	.0	.0	#	0	.1	1993	12	.1+	1993	#+	1996	8	#+	1996	.1	.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	#	1976	13	#+	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	#	.0	#	0	#	1996	19	#+	1996	2	1997	14	#+	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Ann	.4	.0	N/A	N/A	1.8	Jan 1977	31	3.3	Jan 1977	5	Jan 1982	14	#+	Jan 2000	.4	.2	.0	.0	.0	.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

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	4/03	3/30	3/27	3/24	3/20	3/16	3/10
32	4/02	3/26	3/21	3/17	3/13	3/09	3/05	2/28	2/21
28	3/20	3/12	3/06	3/01	2/24	2/20	2/15	2/09	2/01
24	3/05	2/23	2/16	2/11	2/05	1/30	1/24	1/17	1/05
20	2/23	2/12	2/04	1/27	1/19	1/10	12/24	0/00	0/00
16	2/10	1/28	1/16	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	10/17	10/23	10/27	10/31	11/04	11/07	11/11	11/16	11/22
32	10/28	11/03	11/07	11/11	11/14	11/17	11/21	11/25	12/01
28	11/05	11/12	11/17	11/22	11/26	11/30	12/04	12/09	12/16
24	11/20	12/01	12/09	12/15	12/21	12/28	1/03	1/12	1/25
20	12/05	12/15	12/23	12/30	1/06	1/15	1/30	0/00	0/00
16	12/19	1/01	1/14	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	244	236	231	226	221	216	211	206	198
32	276	265	258	251	245	239	233	225	215
28	305	294	286	280	274	267	261	253	242
24	>365	342	329	321	314	307	300	292	281
20	>365	>365	>365	>365	>365	347	329	314	298
16	>365	>365	>365	>365	>365	>365	>365	353	326

* 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	637	445	263	100	12	0	0	0	6	95	308	560	2426
60	491	317	150	37	2	0	0	0	0	37	191	416	1641
57	409	246	99	17	0	0	0	0	0	17	136	336	1260
55	358	205	71	9	0	0	0	0	0	9	105	287	1044
50	247	121	25	1	0	0	0	0	0	2	47	186	629
32	26	3	0	0	0	0	0	0	0	0	0	12	41

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	419	486	778	965	1250	1414	1546	1521	1308	1020	698	481	11886
55	38	43	136	284	537	724	833	808	618	317	113	43	4494
57	27	29	102	232	475	664	771	746	558	262	84	30	3980
60	17	15	61	162	384	574	678	653	468	189	49	17	3267
65	0	4	19	75	239	424	523	498	323	92	16	6	2219
70	0	0	3	23	120	275	368	343	194	34	3	0	1363

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	224	314	540	729	1007	1182	1301	1280	1076	785	473	277	224	538	1078	1807	2814	3996	5297	6577	7653	8438	8911	9188
45	138	207	397	580	852	1032	1146	1125	926	631	342	173	138	345	742	1322	2174	3206	4352	5477	6403	7034	7376	7549
50	75	124	268	433	697	882	991	970	776	478	223	99	75	199	467	900	1597	2479	3470	4440	5216	5694	5917	6016
55	37	65	162	297	543	732	836	815	626	333	134	50	37	102	264	561	1104	1836	2672	3487	4113	4446	4580	4630
60	13	26	82	178	389	582	681	660	479	207	70	21	13	39	121	299	688	1270	1951	2611	3090	3297	3367	3388
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	138	190	327	464	686	817	898	878	735	511	293	169	138	328	655	1119	1805	2622	3520	4398	5133	5644	5937	6106

(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.
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.

- 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/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