

Climatography of the United States

No. 20

1971-2000

Station: OLLA, LA

COOP ID: 166978

Climate Division: LA 5

NWS Call Sign:

Elevation: 155 Feet

Lat: 31° 54N

Lon: 92° 15W

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	55.9	33.8	44.9	82	1972	24	51.4	1989	5+	1982	11	35.3	1977	632	0	.0	.0	22.4	.6	13.9	.0
Feb	61.0	37.2	49.1	86	1977	26	55.5	1976	15+	1981	12	38.9	1978	447	1	.0	.0	23.6	.5	8.7	.0
Mar	68.8	44.8	56.8	90	1974	30	62.0	1974	16	1980	3	52.4	1996	269	14	.0	@	29.9	.0	2.8	.0
Apr	75.4	51.2	63.3	94+	1987	18	68.5	1981	27	1987	5	58.3	1983	105	55	.0	.4	30.0	.0	.5	.0
May	82.4	60.0	71.2	97+	1977	30	75.3	2000	40+	1970	4	66.1	1976	17	209	.0	4.5	31.0	.0	.0	.0
Jun	88.5	67.2	77.9	101	1988	29	82.2	1998	48+	1977	8	74.9	1976	0	384	.3	17.8	30.0	.0	.0	.0
Jul	91.8	70.1	81.0	103	1980	17	84.3	1998	55	1972	7	78.2	1972	0	494	1.1	25.5	31.0	.0	.0	.0
Aug	91.8	68.8	80.3	107+	1999	26	84.8	1999	52	1986	30	76.1	1992	0	473	1.4	24.5	31.0	.0	.0	.0
Sep	86.7	63.5	75.1	102	1980	16	80.3	1980	39	1983	22	70.4	1974	5	308	.3	13.7	30.0	.0	.0	.0
Oct	77.5	51.1	64.3	95+	1977	2	69.6	1973	26	1989	20	56.8	1976	105	83	.0	1.2	31.0	.0	.5	.0
Nov	66.6	42.9	54.8	88	1989	8	61.6	1973	16	1976	30	47.1	1976	322	14	.0	.0	28.6	.0	4.2	.0
Dec	58.6	35.9	47.3	84	1982	3	56.7	1984	5+	1989	23	39.2	1983	557	6	.0	.0	25.1	.3	11.8	.0
Ann	75.4	52.2	63.8	107+	Aug 1999	26	84.8	Aug 1999	5+	Dec 1989	23	35.3	Jan 1977	2459	2041	3.1	87.6	343.6	1.4	42.4	.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: 1970-2001

(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: OLLA, LA

COOP ID: 166978

Climate Division: LA 5

NWS Call Sign:

Elevation: 155 Feet

Lat: 31°54N

Lon: 92°15W

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	6.44	5.08	4.85	1979	20	16.50	1979	1.30	1986	10.8	8.2	4.0	2.1	1.38	1.98	2.92	3.78	4.64	5.55	6.59	7.83	9.46	12.06	14.53
Feb	4.94	4.04	6.23	1984	12	11.09	1997	.83	2000	8.7	6.4	3.0	1.7	1.12	1.57	2.30	2.95	3.60	4.29	5.07	6.00	7.22	9.16	10.99
Mar	6.04	5.91	6.12	1977	4	11.31	1977	1.62	1986	10.0	7.5	3.7	2.1	2.12	2.69	3.51	4.21	4.88	5.56	6.31	7.18	8.30	10.02	11.60
Apr	5.25	4.77	4.72	1991	29	16.19	1991	.26	1987	7.4	5.3	2.8	1.8	.70	1.13	1.88	2.61	3.38	4.22	5.20	6.41	8.04	10.71	13.29
May	5.88	4.96	5.70	1983	19	16.63	1983	.12	1998	8.8	7.2	3.4	2.0	.83	1.31	2.16	2.97	3.83	4.77	5.85	7.18	8.98	11.91	14.73
Jun	4.40	3.77	4.31	1980	23	11.59	1989	.61	1988	8.9	7.0	3.0	1.3	1.24	1.66	2.29	2.84	3.38	3.94	4.56	5.30	6.25	7.74	9.14
Jul	4.03	4.00	3.19	1989	1	8.37	1979	.62	1993	9.2	6.8	2.7	1.0	1.22	1.60	2.17	2.67	3.15	3.64	4.19	4.83	5.67	6.96	8.17
Aug	3.50	3.57	4.04	1986	11	7.19	1987	.03	2000	7.2	5.2	2.0	.8	.53	.83	1.33	1.82	2.32	2.87	3.50	4.28	5.32	7.01	8.64
Sep	3.76	3.05	4.73	1998	12	11.21	1979	1.43	1981	7.0	4.9	2.7	1.3	1.02	1.38	1.92	2.40	2.86	3.35	3.89	4.53	5.37	6.67	7.90
Oct	4.33	3.81	4.90	1974	15	13.56	1984	.35	1983	6.3	4.8	2.6	1.4	.76	1.14	1.77	2.36	2.97	3.63	4.38	5.29	6.50	8.45	10.32
Nov	5.38	4.40	14.22	1987	16	22.98	1987	1.33	1999	8.3	6.4	3.3	1.7	1.15	1.64	2.43	3.15	3.86	4.63	5.49	6.53	7.90	10.08	12.14
Dec	6.31	5.71	7.38	1998	12	19.35	1982	.89	1980	9.9	7.5	3.9	2.1	1.51	2.10	3.02	3.84	4.66	5.52	6.49	7.64	9.15	11.54	13.78
Ann	60.26	57.89	14.22	Nov 1987	16	22.98	Nov 1987	.03	Aug 2000	102.5	77.2	37.1	19.3	42.01	45.51	50.02	53.46	56.51	59.47	62.53	65.92	70.04	76.03	81.22

+ 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: 1970-2001

(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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No. 20 1971-2000

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Station: OLLA, LA

COOP ID: 166978

Climate Division: LA 5

NWS Call Sign:

Elevation: 155 Feet

Lat: 31°54N

Lon: 92°15W

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	.4	.0	#	0	3.5	1977	31	3.5	1977	4	1977	31	#+	1997	.4	.1	.1	.0	.0	.2	@	.0	.0
Feb	#	.0	#	0	#	1996	2	#+	1996	#	1996	2	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Mar	#	.0	0	0	#	1996	1	#	1996	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	#	1976	29	#	1976	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Dec	.1	.0	#	0	1.5	1996	16	1.5	1996	#+	1989	18	#+	1989	.1	.1	.0	.0	.0	.0	.0	.0	.0
Ann	.5	.0	N/A	N/A	3.5	Jan 1977	31	3.5	Jan 1977	4	Jan 1977	31	#+	Jan 1997	.5	.2	.1	.0	.0	.2	@	.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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No. 20 1971-2000

Station: OLLA, LA

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Climate Division: LA 5

NWS Call Sign:

Elevation: 155 Feet

Lat: 31° 54N

Lon: 92° 15W

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	4/17	4/10	4/05	4/01	3/28	3/24	3/20	3/15	3/08
32	4/11	4/03	3/28	3/23	3/18	3/13	3/08	3/02	2/22
28	3/23	3/14	3/08	3/02	2/25	2/20	2/15	2/08	1/28
24	3/08	2/27	2/20	2/14	2/08	2/02	1/26	1/18	1/02
20	2/25	2/14	2/06	1/29	1/21	1/12	12/25	0/00	0/00
16	2/05	1/26	1/17	1/08	12/23	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	10/08	10/16	10/22	10/27	10/31	11/05	11/10	11/15	11/23
32	10/22	10/30	11/04	11/09	11/13	11/17	11/22	11/27	12/05
28	10/29	11/06	11/12	11/17	11/22	11/26	12/01	12/08	12/18
24	11/26	12/02	12/07	12/12	12/16	12/20	12/25	12/31	1/11
20	12/06	12/14	12/21	12/27	1/02	1/10	1/23	0/00	0/00
16	12/17	12/28	1/06	1/16	2/01	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	252	240	231	224	217	210	203	194	182
32	277	264	255	247	240	232	224	215	202
28	311	292	282	274	267	260	252	244	232
24	>365	339	325	316	308	301	294	285	274
20	>365	>365	>365	>365	341	329	319	309	297
16	>365	>365	>365	>365	>365	>365	>365	351	332

* 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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Climate Division: LA 5 NWS Call Sign: Elevation: 155 Feet Lat: 31°54N Lon: 92°15W

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	632	447	269	105	17	0	0	0	5	105	322	557	2459
60	485	318	151	37	3	0	0	0	0	42	202	412	1650
57	403	246	99	16	0	0	0	0	0	21	145	332	1262
55	351	204	70	8	0	0	0	0	0	12	113	283	1041
50	239	119	24	1	0	0	0	0	0	2	52	183	620
32	23	3	0	0	0	0	0	0	0	0	0	11	37

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	421	482	769	940	1215	1374	1517	1496	1293	1001	682	484	11674
55	36	39	126	258	502	684	804	783	603	300	106	43	4284
57	25	25	93	205	440	624	742	721	543	247	78	30	3773
60	15	13	52	137	350	534	649	628	453	176	45	17	3069
65	0	1	14	55	209	384	494	473	308	83	14	6	2041
70	0	0	2	14	99	236	339	319	180	29	2	0	1220

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	259	352	578	751	1018	1180	1306	1285	1098	803	497	313	259	611	1189	1940	2958	4138	5444	6729	7827	8630	9127	9440
45	164	238	433	602	863	1030	1151	1130	948	648	361	197	164	402	835	1437	2300	3330	4481	5611	6559	7207	7568	7765
50	94	147	293	454	708	880	996	975	798	493	243	120	94	241	534	988	1696	2576	3572	4547	5345	5838	6081	6201
55	47	77	181	313	553	730	841	820	648	346	146	66	47	124	305	618	1171	1901	2742	3562	4210	4556	4702	4768
60	22	33	93	190	401	580	686	665	499	214	73	28	22	55	148	338	739	1319	2005	2670	3169	3383	3456	3484
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	169	224	364	489	694	811	893	869	746	532	313	201	169	393	757	1246	1940	2751	3644	4513	5259	5791	6104	6305

(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.

- | | |
|---|---|
| <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