U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU IN COOPERATION WITH
AGRICULTURAL EXPERIMENT STATION, UNIVERSITY OF MISSOURI
CLIMATOGRAPHY OF THE UNITED STATES NO. 20-23

LATITUDE 37° 23'
LONGITUDE 89° 40'
ELEV. (GROUND) 435

CLIMATOLOGICAL SUMMARY

STATION JACKSON, MISSOURI

MEANS AND EXTREMES FOR PERIOD 1931-1960

Month	Temperature (°F) Means: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	** Mean degree days	Precipitation Totals (Inches): Mean	Greatest daily	Year	Snow, Sleet: Mean	Maximum monthly	Year	Greatest daily	Year	Mean number of days: Precip. .10 inch or more	Temperatures: Max. 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Month
(a)	30	30	30	30		30			30	30		30	30		30		30	30	30	30	30	
Jan.	45.5	25.9	35.7	75	1943	-14	1942	908	3.91	5.43	1937	2.2	8.0	1940	7.0	1954	6	0	4	23	1	Jan.
Feb.	49.7	28.2	39.0	75	1955+	-24	1951	735	3.43	4.30	1945	2.4	16.2	1939	8.0	1940	6	0	2	19	0	Feb.
Mar.	58.6	35.0	46.8	87	1935	- 2	1943	568	4.67	4.82	1935	1.6	15.7	1960	6.0	1940	7	0	1	14	1	Mar.
Apr.	70.9	45.3	58.1	91	1937	22	1960+	240	4.63	3.80	1950		.5	1938	.5	1938	7	0	0	4	0	Apr.
May	80.1	54.4	67.2	99	1934	31	1954	67	4.68	3.54	1957						8	4	0	0	0	May
June	89.1	63.7	76.4	108	1952	42	1951+	4	4.24	6.03	1958						6	15	0	0	0	June
July	92.6	66.9	79.7	112	1934	44	1947	0 1	2.64	4.94	1958						5	22	0	0	0	July
Aug.	91.8	65.6	78.7	111	1936+	43	1946	30	4.09	4.78	1952						6	20	0	0	0	Aug.
Sept	84.7	57.4	71.1	104	1953	31	1942	198	3.67	4.75	1945						5	9	0	0	0	Sept
Oct.	73.9	46.0	60.0	96	1953	18	1952	565	3.22	3.02	1942						5	1	0	3		Oct.
Nov.	58.0	34.5	46.3	83	1955+	- 6	1950	849	3.82	4.94	1934	1.0	8.5	1958	8.5	1958	6	0	1	14		Nov.
Dec.	47.2	28.1	37.6	75	1951	- 7	1960		3.42	3.15	1932	1.4	8.0	1939	8.0	1939		0	3	21		Dec.
Year	70.2	46.0	58.1	112	1934	-24	1951	4165	46.42	6.03	1958	8.6	16.2	1939	8.5	1958	73	71	11	98	2	Year

(a) Average length of record, years.

T Trace, an amount too small to measure.

** Base 65°F

+ Also on earlier dates, months, or years.

* Less than one half.

NARRATIVE CLIMATOLOGICAL SUMMARY

Jackson is located in Cape Girardeau County, which is bordered on the east by the Mississippi River and on the south by the lowlands of the Missouri Bootheel. The terrain immediately around Jackson is mostly wooded and hilly, with some cleared farmland. At times the weather patterns of the Jackson area reflect the influence of the higher elevations of the Ozarks to the west and north, and at other times they are greatly influenced by the proximity of the Bootheel. Jackson is far enough south that it escapes the full impact of many of the cold outbreaks that move down out of Canada in the winter time.

About one winter in four there will be less than three inches of snow, and about one year in five there will be more than 10 inches of snow. Below zero temperatures are recorded on the average about one or two days per winter. It is not at all unusual to have a winter with the temperature never dipping to zero.

Precipitation is distributed rather evenly throughout the year, on the average, although there is some tendency for the late spring and early summer months to receive somewhat larger amounts than during other seasons of the year. In most years, July is the driest month, with some notable exceptions. Annual precipitation at Jackson varied from as much as 65 inches to as little as 28 inches in the 30 years of record used for this summary.

Jackson is subject to large variations in temperature from season to season. The greatest day-to-day variations can be expected to occur in the fall and winter months. In the summer, the changes in temperature come at a much more leisurely pace.

About one January in six, for example, will have a day with the temperature dropping to 0°F or below. One January in four will have four or five days with temperatures in the 60's. In July, there are always days with temperatures in the 90's. About one year in five there will be at least 5 July days with temperatures in excess of 100°F.

James D. McQuigg
U. S. Weather Bureau
State Climatologist
P. O. Box 117
Columbia, Missouri

Average Temperature (°F) JACKSON, MISSOURI

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1931	35.3	40.9	40.5	54.7	60.3	75.1	76.4	71.5	71.9	58.4	50.7	41.8	56.5
1932	38.0	42.1	38.2	56.3	63.9	76.5	79.9	77.7	68.4	56.2	40.8	33.8	56.0
1933	41.2	35.9	47.2	57.6	69.7	79.3	80.1	77.0	76.5	59.6	47.2	42.6	59.6
1934	39.6	34.0	45.3	59.4	70.2	80.8	85.9	80.6	67.8	61.2	50.2	34.8	59.3
1935	37.8	41.3	54.5	55.5	64.7	72.5	81.5	79.6	69.2	60.1	45.7	31.0	57.9
1936	29.2	30.3	53.5	54.9	71.3	78.5	85.3	85.7	76.6	59.4	44.6	39.6	59.2
1937	36.9	37.4	44.7	58.6	69.3	78.0	78.9	82.6	69.9	57.0	43.7	34.9	57.8
1938	35.8	46.6	55.9	59.6	67.7	73.8	80.5	81.8	72.0	61.9	46.9	36.6	60.0
1939	40.3	35.3	49.5	55.7	67.8	76.2	79.0	76.0	75.6	61.0	44.0	39.5	58.5
1940	20.5	36.3	46.2	56.8	63.5	74.0	77.1	77.1	69.4	62.4	45.0	42.1	55.9
1941	37.8	34.8	42.9	60.8	68.9	75.6	80.3	79.6	73.1	64.2	46.0	41.3	58.9
1942	32.6	36.0	49.7	59.5	67.2	76.1	81.1	76.4	69.0	59.0	50.8	35.7	57.9
1943	37.5	41.6	42.0	58.6	68.2	78.3	81.5	80.0	66.4	57.1	45.0	34.8	57.7
1944	37.6	43.0	46.1	56.8	70.5	79.8	78.6	78.7	71.1	60.6	48.7	32.6	58.7
1945	32.6	40.0	55.4	58.7	64.1	73.4	77.0	77.0	71.5	57.6	47.9	29.6	57.1
1946	36.3	42.7	57.2	61.2	63.7	76.1	79.3	74.2	69.5	61.1	50.4	43.0	59.6
1947	38.6	31.9	40.5	58.8	65.4	75.8	75.7	84.2	72.7	66.6	44.0	38.9	57.0
1948	27.7	37.7	48.3	62.4	66.5	76.0	79.4	78.6	71.4	56.9	49.5	40.8	58.0
1949	38.6	41.1	47.1	57.3	69.5	77.1	80.8	77.7	65.6	61.4	47.7	41.0	58.8
1950	41.9	40.0	44.5	54.3	68.2	75.3	75.3	73.7	68.5	64.5	41.1	32.7	56.8
1951	35.8	38.6	46.5	54.4	67.3	75.0	79.0	78.5	68.6	61.4	40.3	38.7	57.1
1952	41.3	43.9	46.5	56.4	67.5	82.8	81.5	79.1	69.4	54.3	48.2	39.1	59.2
1953	39.5	42.9	50.9	55.0	68.7	82.3	81.2	79.0	73.4	61.7	47.0	37.6	60.0
1954	35.9	47.1	46.3	64.1	63.1	78.3	83.5	82.1	74.1	60.1	47.7	38.6	60.1
1955	36.8	39.6	48.7	63.5	69.4	71.3	82.1	79.7	73.9	59.1	44.9	35.5	58.8
1956	32.5	41.7	47.6	56.6	69.5	74.7	79.0	79.2	70.0	63.6	47.0	42.9	58.8
1957	30.8	43.0	46.5	60.4	68.1	76.4	78.6	77.4	70.1	56.5	46.1	42.9	58.1
1958	33.8	29.5	40.8	57.5	67.2	73.5	78.8	78.0	70.9	59.0	49.8	33.5	56.2
1959	32.5	38.6	48.2	58.6	71.3	75.0	77.8	79.4	72.1	58.8	41.0	41.0	58.0
1960	36.6	35.6	33.5	60.0	63.7	74.3	76.5	78.2	73.3	59.3	45.8	31.8	55.7

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1931	1.02	3.40	3.88	3.98	4.14	.97	1.84	6.26	1.87	2.04	5.48	5.53	40.41
1932	6.00	3.15	3.85	3.57	.96	4.17	.54	9.90	3.69	5.95	1.74	8.34	51.86
1933	4.63	3.26	6.15	6.21	11.21	.07	4.40	2.25	5.36	3.12	1.16	2.09	49.91
1934	1.82	1.24	3.76	4.17	.92	3.49	1.46	4.37	7.89	3.07	7.99	2.74	42.92
1935	3.68	1.35	10.22	1.63	7.90	8.73	2.33	1.27	4.37	4.37	3.62	1.60	51.07
1936	.87	2.35	2.78	4.15	2.65	3.40	.98	.32	3.45	2.98	2.53	5.45	31.91
1937	15.05	1.61	1.61	5.89	3.18	5.09	2.57	3.08	4.53	4.76	2.35	2.99	52.71
1938	3.70	5.52	6.15	2.54	5.83	5.86	3.22	2.69	.87	1.32	3.32	2.39	43.41
1939	5.73	6.82	5.41	6.46	2.82	2.87	3.13	2.53	1.28	1.92	2.04	2.29	43.30
1940	1.49	3.68	4.26	6.92	2.82	1.40	1.72	3.77	1.32	1.13	4.73	4.37	37.61
1941	4.17	1.01	1.29	3.35	1.60	1.84	2.59	5.44	3.65	7.02	2.53	4.18	38.67
1942	4.34	4.71	3.56	4.45	5.07	6.00	1.53	5.27	1.32	3.63	7.37	2.76	50.01
1943	.33	1.40	6.80	2.32	9.77	2.42	.88	6.83	5.97	2.29	1.81	2.67	43.49
1944	.61	4.23	3.89	8.27	2.90	1.01	1.77	4.23	2.72	.42	2.26	2.93	35.24
1945	1.83	8.09	15.91	9.19	5.08	8.28	.76	6.80	12.19	3.97	4.74	2.31	79.15
1946	4.26	5.00	1.64	4.89	8.69	1.48	3.03	5.42	1.60	2.69	5.96	2.87	47.53
1947	1.84	.30	2.74	6.25	3.62	5.86	2.13	2.70	3.59	4.41	2.97	4.17	40.58
1948	2.34	3.49	5.70	4.07	5.60	5.76	2.38	2.32	2.66	2.64	6.25	4.63	47.84
1949	9.96	3.60	6.75	.97	5.09	5.45	4.20	.82	3.66	9.31	.34	5.91	56.06
1950	15.43	6.12	4.79	8.08	5.32	4.30	1.41	10.22	3.70	1.57	3.85	.91	65.70
1951	4.98	5.86	3.16	3.08	1.98	6.63	3.28	3.73	7.99	5.27	6.58	3.43	55.97
1952	2.64	3.21	6.74	3.94	2.64	1.73	1.79	5.96	3.32	.79	4.06	2.71	39.53
1953	2.51	1.67	6.63	4.97	3.53	2.84	1.09	1.11	.10	.97	1.60	1.20	28.22
1954	4.59	2.78	1.71	1.96	3.14	4.45	1.41	5.72	4.14	3.35	1.15	7.50	41.90
1955	.45	2.80	4.94	4.26	6.32	4.24	2.59	2.12	2.77	4.90	3.37	.42	39.18
1956	1.38	5.92	1.66	2.97	4.26	3.91	2.01	3.12	3.42	2.91	2.80	2.71	37.07
1957	4.03	4.28	3.21	11.75	10.82	4.81	3.29	1.81	2.07	3.76	8.13	5.07	63.03
1958	2.46	1.69	5.91	5.09	3.68	12.95	15.54	3.51	4.57	.86	8.35	.74	65.35
1959	3.17	2.77	3.05	1.19	4.66	3.95	2.03	4.07	4.01	2.94	2.21	3.64	37.69
1960	2.23	1.95	1.97	2.53	4.44	3.50	3.44	5.21	2.08	2.51	3.55	4.06	37.37

PROBABILITY OF FREEZES OCCURRING AS LATE IN THE SPRING OR AS EARLY IN THE FALL AS DATES SHOWN IN THE FOLLOWING TABLE

Temperature As Cold As	SPRING MONTHS 50%	SPRING MONTHS 20%	SPRING MONTHS 10%	FALL MONTHS 50%	FALL MONTHS 20%	FALL MONTHS 10%
32°	Apr. 16	Apr. 26	May 1	Oct. 16	Oct. 7	Oct. 1
28°	Apr. 3	Apr. 14	Apr. 20	Oct. 30	Oct. 19	Oct. 14
24°	Mar. 20	Mar. 31	Apr. 6	Nov. 10	Nov. 1	Oct. 21
20°	Mar. 7	Mar. 17	Mar. 21	Nov. 25	Nov. 13	Nov. 7
16°	Feb. 23	Mar. 11	Mar. 19	Dec. 6	Nov. 23	Nov. 17

STATION HISTORY

DATE	LOCATION	ELEVATION	OBSERVER
10-1-1890/4-30-1899*	(Station known as Gordonville)	369	L. M. Bean
5-1-1899/5-31-1920	(Station known as Jackson)	428	L. M. Bean
6-1-1920/3-31-1939		428	John G. Putz
4-1-1939/9-30-1941			L. R. Crites
10-1-1941/9-30-1945		428	John G. Putz
10-1-1945/7-20-1955	0.2 Mi. WNW	460	Daniel F. Siebert
7-21-1955/10-20-1959	0.3 Mi. WNW	460	David H. Siebert
10-20-1959/ Present	3 Blks. N, 4 Blks. E	435	Jackson Fire Department

* For earlier record write to State Climatologist