A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

SPRINGFIELD, MISSOURI

1973

U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ENVIRONMENTAL DATA SERVICE

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NARRATIVE CLIMATOLOGICAL SUMMARY

The entire metropolitan area, airport, and surrounding territory consists of comparatively flat or very gently rolling tableland, practically atop the crest of the Missouri Ozark Mountain plateau. The average elevation of the City proper is slightly over 1300 feet above mean sea level. There are no serious problems of instrumental exposure.

As a result of this advantageous location, the City and surrounding territory enjoy what is described as a "plateau climate." The 1941 edition of the U. S. Department of Agriculture Year Book "Climate and Man" has this to say about the Ozarks' climate: "It is worthy to note that the winter temperatures average considerably milder in the Ozarks than in the upland, plain, or prairie section, especially the northern part of the latter, owing largely to differences in latitude; but in the summer the Ozarks average appreciably cooler, the effects of this latitude being more than overcome by the higher altitude."

The city of Springfield also occupies a unique location with regard to natural water drainage, the line separating two major watersheds crossing from east to west, the north-central part of the City. Drainage north of this line flows north into the Gasconade-Missouri Rivers Basin, while to the south of the line, drainage is to the south into the White-Mississippi Rivers Basin.

In the over 75 years of official records here the temperature has shown a range of 142° F. The lowest temperature of record, -29°, occurred on the 12th of February 1899, and the maximum of 113° occurred on July 14, 1954. This high record was during a summer of most unusual heat and drought.

The average growing season extends over a period of 199 days, from April 9 until October 25. The normal precipitation (rain and melted snow) is well distributed, the 3 winter months being normally the driest. This distribution is considered excellent from an agricultural standpoint. Agriculture is greatly diversified; practically every farm product of the temperature zone is grown in this area. It is a noted livestock and poultry production and distribution center. The climate permits green pasturage the year around in varying quantity, resulting in ever increasing cattle production for both meat and dairy products.

The air is remarkably free from palls of industrial smoke, and the altitude of the City also tends to prevent other than minimum amounts of either radiation or advection fogs.

METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: SPRINGFIELD, MISSOURI MUNICIPAL AIRPORT Standard time used: CENTRAL Latitude: 37° 14' N Longitude: 93° 23' W Elevation (ground): 1268 feet Year: 1973

Month	Temperature: Averages: Daily maximum	Daily minimum	Monthly	Extremes: Highest	Date	Lowest	Date	Degree days (Base 65°): Heating	Cooling	Precipitation: Total	Greatest in 24 hrs.	Date	Snow, Ice pellets: Total	Greatest in 24 hrs.	Date	Relative humidity (Local time): Hour 00	Hour 06	Hour 12	Hour 18	Wind &: Resultant: Direction	Speed	Average speed	Fastest mile: Speed	Direction #	Date	Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days: Sunrise to sunset: Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures: Maximum ‡: 90° and above	32° and below	Minimum: 32° and below	0° and below	Average daily solar radiation - langleys
JAN	42.4	23.9	33.2	65	16	-5	12	981	0	4.41	1.40	18	7.4	5.1	7	73	77	62	66	20	1.9	11.8	34	SE	20	48	6.8	7	7	17	14	1	2	0	0	8	22	2	
FEB	46.1	25.7	35.9	68	4	10	9	808	0	0.85	0.49	7	0.1	0.1	18	77	81	62	63	25	1.0	11.8	29	S	1	47	6.8	6	6	16	7	0	1	7	0	3	22	0	
MAR	61.0	42.2	51.6	74	12	28	18+	409	0	9.01	1.52	10	T	T	16	75	83	64	64	15	3.7	12.8	34	SW	14	39	7.6	4	6	21	19	0	9	6	0	0	3	0	
APR	63.2	43.2	53.2	78	21	25	11	359	11	6.46	2.04	21-22	0.9	0.7	8-9	80	84	61	62	21	2.3	12.6	37	NW	9	48	6.4	7	6	17	17	0	5	0	0	0	4	0	
MAY	72.8	48.9	60.9	85	10	36	15	145	26	4.31	1.12	6-7	0.0	0.0		83	84	56	58	23	3.9	10.5	30	SW	24	67	5.5	9	10	12	11	0	9	0	0	0	0	0	
JUN	84.4	61.0	72.7	91	30+	50	6	1	240	5.47	1.84	1-2	0.0	0.0		86	88	62	62	20	5.9	9.6	32	W	4	70	4.8	12	9	9	13	0	12	2	4	0	0	0	
JUL	88.0	66.0	77.0	93	24+	61	31+	0	382	7.96	4.29	1	0.0	0.0		88	89	62	65	19	3.3	6.9	39	NE	10	69	5.1	10	13	8	12	0	10	4	12	0	0	0	
AUG	90.8	63.9	77.3	99	24	53	3+	0	388	0.98	0.66	12	0.0	0.0		83	88	51	53	18	3.9	6.6	30	NW	12	84	2.9	21	8	2	4	0	4	1	21	0	0	0	
SEP	81.0	61.1	71.1	92	1	37	18	31	216	4.71	0.90	29-30	0.0	0.0		88	91	65	72	16	4.0	8.3	22	S	26	43	7.6	2	10	18	11	0	6	5	2	0	0	0	
OCT	74.6	49.7	62.2	87	3	33	30	147	66	4.27	1.95	26-27	0.0	0.0		87	87	57	70	18	4.1	8.4	23	S	11	73	4.4	13	9	9	9	0	5	0	0	0	0	0	
NOV	60.1	39.5	49.8	78	14	25	10	434	4	6.39	4.49	24	0.0	0.0		76	78	61	69	17	4.8	10.7	32	S	1	46	6.1	10	6	14	7	0	5	1	0	0	7	0	
DEC	44.2	25.2	34.7	69	2+	-2	31	933	0	4.58	2.24	3-4	9.9	5.0	19	72	75	64	69	20	2.2	12.3	39	S	4	40	6.7	4	11	16	12	4	0	1	0	3	24	3	
YEAR	67.4	45.9	56.7	99	AUG. 24	-5	JAN. 12	4268	1333	59.40	4.49	NOV. 24	18.3	5.1	JAN. 7	81	84	61	64	19	3.1	10.2	39	S	DEC. 4+	58	5.9	105	101	159	136	5	68	27	39	14	82	5	

NORMALS, MEANS, AND EXTREMES

Month	Temperature: Normal: Daily maximum	Daily minimum	Monthly	Extremes Ø: Record highest	Year	Record lowest	Year	Normal heating degree days (Base 65°)	Precipitation: Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Ice pellets: Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	Relative humidity (Local time): Hour 00	Hour 06	Hour 12	Hour 18	Wind &: Mean speed	Prevailing direction	Fastest mile: Speed	Direction #	Year	Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days: Sunrise to sunset: Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures: Max. ‡: 90° and above	32° and below	Min.: 32° and below	0° and below	Average daily solar radiation - langleys
(a)	(b)	(b)	(b)	14		14		(b)	(b)	28		28		28		28	28		28		13	13	13	13	28	14	28	28		28	28	28	28	28	28	28	28	28	13	13	13	13	
J	43.2	22.6	32.9	75	1965	-10	1963	995	1.67	6.77	1950	0.08	1961	3.91	1950	2.8	10.4	1956	5.1	1973	73	77	59	64	12.3	SSE	55	SW	1959	50	6.5	8	7	16	8	1	1	4	0	7	26	2	
F	47.5	26.5	37.0	81	1972+	-10	1971	784	2.22	5.34	1955	0.35	1947	3.73	1966	3.5	15.1	1960	8.8	1961	73	78	58	61	12.6	SSE	59	S	1953	55	6.3	8	6	14	9	1	1	3	0	3	22	*	
M	55.1	32.8	44.0	86	1963	5	1967+	660	2.99	9.01	1973	0.50	1956	2.87	1961	3.8	23.9	1970	15.7	1970	71	78	55	54	13.7	SSE	65	SW	1960	56	6.5	7	8	16	10	1	4	2	0	1	14	0	
A	68.0	45.0	56.5	93	1963	22	1972	275	4.27	7.40	1965	0.86	1955	3.85	1970	0.5	7.1	1971	6.9	1971	71	78	55	54	13.2	SSE	65	SW	1965	60	6.2	8	8	14	10	*	6	1	*	0	4	0	
M	76.1	54.0	65.1	93	1972	30	1970+	94	4.93	10.54	1957	1.54	1969	2.86	1961	0.0	0.0		0.0		80	83	57	59	11.2	SSE	66	W	1946	64	6.1	8	10	13	11	0	9	1	*	0	*	0	
J	84.2	62.9	73.6	100	1963	42	1966	10	4.72	10.96	1948	0.58	1952	4.10	1963	0.0	0.0		0.0		83	85	59	61	10.4	SSE	57	N	1959+	67	5.6	9	10	11	10	0	9	1	6	0	0	0	
J	89.0	66.5	77.8	102	1971	44	1972+	0	3.62	18.75	1958	0.33	1953	6.85	1958	0.0	0.0		0.0		83	86	57	58	9.1	SSE	56	NW	1955	71	5.3	10	11	10	9	0	8	1	15	0	0	0	
A	88.9	65.2	77.1	102	1964	44	1967	6	2.94	6.95	1952	0.50	1955	3.07	1950	0.0	0.0		0.0		81	87	53	55	9.0	SSE	59	W	1954	73	4.9	12	11	8	8	0	8	1	15	0	0	0	
S	81.2	57.3	69.3	100	1960	33	1967	35	4.11	9.87	1970	0.20	1952	4.74	1962	0.0	0.0		0.0		85	88	61	67	9.9	SSE	54	S	1959+	69	4.8	12	8	10	8	0	6	2	3	0	0	0	
O	71.1	46.8	59.0	92	1963	23	1969	227	3.44	8.70	1967	0.43	1963	5.48	1949	T	0.6	1951	0.6	1951	79	83	54	63	10.7	SSE	49	S	1951	66	4.7	14	7	10	7	0	3	2	*	0	3	0	
N	56.4	34.5	45.5	79	1966	6	1970	585	2.34	8.14	1946	0.35	1955	4.49	1973	1.7	19.5	1951	12.5	1951	78	81	59	68	11.8	SSE	59	SE	1961	56	5.6	10	7	13	8	*	2	2	0	*	14	0	
D	45.7	26.3	36.0	74	1966	-8	1966	899	2.45	6.24	1971	0.13	1950	2.62	1968	2.5	13.9	1969	7.5	1966	76	80	63	69	12.1	SSE	60	SE	1971	49	6.4	8	7	16	9	1	1	3	0	5	23	1	
YR	67.2	45.0	56.1	102	JUL. 1971+	-10	FEB. 1971+	4570	39.70	18.75	JUL. 1958	0.08	JAN. 1961	6.85	JUL. 1958	14.8	23.9	MAR. 1970	15.7	MAR. 1970	78	82	57	61	11.3	SSE	66	W	MAY 1946	63	5.7	114	100	151	107	5	58	20	40	17	106	3	

Ø For period July 1960 through the current year.
Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 113 in July 1954; lowest temperature -29 in February 1899; minimum monthly precipitation 0.05 in September 1928; maximum monthly snowfall 24.1 in February 1912; maximum snowfall in 24 hours 20.0 in February 1912; fastest mile of wind 70 from Northwest in December 1945.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological normals (1941-1970).
* Less than one half.
\+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
— Below zero temperatures are preceded by a minus sign.
‡ ≥ 70° at Alaskan stations.

The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

\# To 8 compass points only.

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1934	37.8	35.1	42.2	56.8	68.2	79.4	85.4	80.8	65.8	63.3	49.8	34.0	58.2
1935	35.4	39.2	52.8	53.3	60.7	69.0	80.6	78.6	69.0	58.1	42.6	33.0	56.0
1936	28.0	27.6	50.9	54.6	69.0	77.6	84.2	84.4	74.2	56.9	43.0	41.4	57.6
1937	30.2	34.8	41.2	55.0	65.8	74.9	77.8	80.3	70.0	57.6	42.0	33.6	55.3
#1938	35.8	43.8	54.4	57.7	64.7	72.6	80.1	83.5	72.9	65.8	46.2	38.2	59.6
#1939	40.8	34.3	49.0	54.1	66.8	74.5	80.6	76.2	77.6	62.2	44.6	40.8	58.5
1940	16.0	34.4	43.8	53.6	61.6	72.0	77.0	74.6	67.8	62.6	43.0	39.4	53.8
1941	36.8	34.0	40.0	59.2	67.0	72.3	78.1	77.7	70.2	62.0	45.0	39.2	56.8
1942	31.4	33.9	45.8	59.8	62.4	72.2	77.2	74.7	67.2	57.6	48.2	35.7	55.5
1943	32.9	40.4	38.6	55.8	63.2	74.6	79.2	79.4	65.1	55.6	43.6	32.4	55.1
1944	36.4	39.2	42.8	52.3	66.6	74.8	77.0	74.2	68.2	60.0	46.4	29.8	55.6
#1945	32.0	35.6	52.0	55.4	59.6	68.8	75.1	76.6	69.4	56.7	47.2	29.5	54.8
1946	34.4	42.2	54.8	60.6	60.8	72.8	79.0	75.3	68.4	61.6	46.6	41.0	58.1
1947	35.7	28.7	37.4	55.8	62.0	73.1	74.3	82.4	71.9	65.9	41.8	38.6	55.6
1948	26.8	34.4	41.9	60.7	63.7	72.8	76.2	75.0	69.4	56.6	46.2	38.1	55.1
1949	32.0	38.6	43.8	55.8	66.4	75.0	77.7	74.2	63.9	59.0	47.6	38.9	56.1
1950	37.2	39.1	41.3	52.1	65.0	72.6	71.7	70.5	65.9	63.8	40.0	32.5	54.3
1951	33.6	38.0	42.6	51.4	64.1	70.7	76.6	76.9	65.7	58.0	38.0	34.7	54.2
1952	37.3	40.7	43.4	54.0	65.1	81.1	79.6	77.1	68.8	52.8	44.2	36.1	56.7
1953	37.6	40.7	49.0	50.3	65.1	80.8	78.6	78.0	73.7	61.6	46.5	36.8	58.2
1954	33.8	44.0	43.1	63.1	60.4	77.3	84.8	81.7	74.9	58.5	46.8	36.7	58.8
1955	34.2	35.2	44.8	61.8	66.6	68.5	80.1	76.9	72.1	57.4	41.6	33.8	56.1
1956	30.3	38.0	45.4	52.9	68.0	73.5	77.7	79.2	70.9	63.8	43.9	39.4	56.9
1957	29.1	42.5	43.6	55.3	65.5	72.7	79.6	76.9	66.2	55.0	43.4	42.4	56.0
1958	33.6	28.7	36.8	54.4	65.7	72.1	75.4	76.2	68.7	57.9	48.8	32.6	54.3
1959	29.5	37.5	45.7	55.0	67.8	73.2	74.4	78.2	70.4	55.5	39.0	39.8	55.5
#1960	34.7	31.4	32.5	57.5	62.9	72.7	75.2	77.4	73.2	60.4	46.7	32.3	54.7
1961	31.2	38.7	47.3	52.0	61.1	70.5	76.6	75.0	68.8	58.9	43.9	33.0	54.7
1962	27.0	40.5	41.6	52.9	72.3	71.6	77.1	78.0	66.5	59.6	44.4	34.1	55.5
1963	25.4	34.3	52.0	61.2	68.1	78.1	77.5	77.6	70.4	68.3	47.4	26.1	57.2
1964	37.0	35.9	43.0	59.7	67.9	72.8	78.9	74.9	69.0	56.1	49.9	35.8	56.8
1965	36.2	36.7	37.1	60.1	68.3	73.3	76.2	75.2	69.7	56.7	49.5	43.2	56.8
1966	29.0	34.2	48.3	52.2	60.9	70.8	81.6	74.0	65.0	55.3	48.7	33.9	54.5
1967	35.1	32.6	50.4	58.5	61.3	73.4	73.5	72.3	66.4	58.0	44.5	38.3	55.4
1968	33.3	31.5	45.9	55.6	60.8	74.0	76.2	76.1	66.5	56.4	42.2	32.6	54.3
1969	33.4	36.6	39.2	56.9	65.7	70.9	80.6	76.6	69.0	55.5	44.1	33.6	55.2
1970	25.8	34.7	38.7	55.8	65.2	72.8	75.4	78.0	72.3	54.0	42.2	39.8	54.6
1971	31.4	34.4	44.0	55.9	62.5	77.6	76.0	76.2	71.6	62.4	46.1	42.8	56.8
1972	32.9	38.3	47.1	58.4	65.3	74.2	77.0	76.6	70.8	56.7	40.6	31.6	55.8
1973	33.2	35.9	51.6	53.2	60.9	72.7	77.0	77.3	71.1	62.2	49.8	34.7	56.7
RECORD MEAN	33.2	36.0	44.9	56.0	64.5	73.1	77.3	76.5	69.6	58.7	45.6	36.3	56.0
MAX	42.4	45.4	55.0	66.2	74.3	82.7	87.1	86.7	79.9	69.2	55.1	44.8	65.7
MIN	24.0	26.5	34.8	45.8	54.6	63.5	67.4	66.3	59.2	48.2	36.0	27.7	46.2

HEATING DEGREE DAYS

SPRINGFIELD, MISSOURI

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1934-35	0	3	88	97	459	959	920	724	390	359	189	31	4219
1935-36	0	8	43	251	666	990	1137	1087	440	366	23	0	5011
1936-37	0	0	36	271	659	728	1078	847	741	322	81	1	4764
#1937-38	0	0	45	279	691	970	906	590	334	258	103	0	4176
1938-39	0	0	36	115	574	832	753	860	501	353	56	0	4080
#1939-40	0	0	23	184	616	751	1517	889	660	367	143	4	5154
1940-41	0	7	89	116	658	791	877	870	774	196	36	9	4423
1941-42	0	0	47	173	598	798	1044	868	599	195	160	29	4511
1942-43	0	0	130	233	512	904	993	687	817	289	111	5	4681
1943-44	0	0	84	297	641	1010	890	748	687	386	100	11	4854
#1944-45	0	8	29	193	558	1088	1021	825	414	291	234	43	4704
1945-46	1	0	55	267	546	1099	942	639	326	176	151	30	4232
1946-47	0	12	37	156	548	742	909	1016	854	287	131	12	4704
1947-48	2	0	44	63	700	820	1185	893	719	165	99	0	4690
1948-49	0	1	42	262	567	836	1025	739	657	325	35	0	4489
1949-50	0	2	106	232	530	806	855	719	731	393	66	19	4459
1950-51	0	9	61	120	745	1001	964	750	687	429	97	15	4878
1951-52	0	0	71	254	804	930	854	699	663	343	96	0	4714
1952-53	0	0	35	383	623	889	841	675	488	443	125	0	4502
1953-54	0	0	13	176	548	867	963	584	672	125	183	14	4145
1954-55	0	0	11	268	538	871	949	829	620	140	28	38	4292
1955-56	0	0	4	249	695	958	1071	775	606	383	62	16	4819
1956-57	0	4	23	85	626	784	1109	622	655	310	57	9	4284
1957-58	0	0	41	310	642	692	970	1011	866	317	68	11	4928
1958-59	2	1	49	247	483	994	1094	763	591	305	63	9	4601
#1959-60	0	0	32	300	774	773	933	968	1002	253	133	0	5168
1960-61	0	0	13	179	539	1003	1041	728	544	409	164	17	4637
1961-62	0	4	69	214	633	984	1169	682	719	375	14	2	4865
1962-63	0	0	74	228	609	952	1226	853	420	167	56	0	4585
1963-64	0	0	26	41	519	1198	861	838	675	201	55	17	4431
1964-65	1	10	49	276	457	901	884	788	857	180	21	0	4424
1965-66	0	0	49	269	460	667	1109	854	517	375	153	11	4464
1966-67	0	2	66	309	488	959	922	902	462	213	177	7	4507
1967-68	4	10	63	261	609	819	979	965	590	281	154	7	4742
1968-69	0	0	33	296	678	997	975	792	795	248	71	31	4916
1969-70	0	0	20	342	620	968	1208	845	805	290	89	7	5194
1970-71	8	0	28	344	677	771	1035	852	642	283	116	0	4756
1971-72	3	0	61	117	561	683	988	767	549	243	79	2	4053
1972-73	9	0	40	266	727	1029	981	808	409	359	145	1	4774
1973-74	0	0	31	147	454	933							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1934	1.42	1.38	2.76	3.77	2.07	2.65	0.89	2.60	6.50	1.30	5.70	1.54	32.58
1935	2.43	0.99	9.09	1.86	6.81	11.31	1.62	3.93	2.64	3.88	2.50	0.62	47.68
1936	0.17	1.01	1.29	2.37	2.37	2.05	1.11	0.78	7.29	5.27	1.38	2.60	27.69
1937	6.94	1.15	1.80	5.19	5.09	9.39	3.95	1.88	2.63	1.75	1.72	2.38	43.87
#1938	3.14	4.53	2.76	3.50	6.46	5.61	2.34	0.55	1.81	2.86	5.30	1.28	40.14
1939	2.70	3.98	1.78	3.65	6.64	3.68	2.83	3.60	0.70	2.26	2.77	1.66	36.25
#1940	0.89	1.31	2.44	4.90	2.16	2.51	3.77	5.36	2.42	2.14	3.07	2.63	33.60
1941	2.82	0.96	1.01	7.57	2.09	4.07	3.42	3.79	7.64	8.86	2.50	2.58	47.31
1942	1.55	2.19	1.04	5.19	2.72	6.01	2.96	2.91	4.53	3.68	4.43	5.75	42.96
1943	0.07	0.92	3.16	3.84	16.15	4.70	2.39	2.10	5.78	3.99	0.48	2.66	46.24
1944	0.98	3.16	3.26	3.84	2.87	2.23	5.92	6.65	2.39	3.16	1.80	0.91	37.17
#1945	0.88	4.28	8.86	12.15	4.15	7.25	1.53	1.81	9.46	3.07	0.45	0.51	54.40
1946	2.95	3.17	1.04	4.00	7.09	2.35	1.47	5.79	1.27	1.22	8.14	3.02	41.51
1947	0.52	0.35	2.65	7.38	4.40	6.75	5.41	0.88	4.69	3.24	1.68	1.67	39.62
1948	0.44	1.87	4.03	1.22	3.48	10.96	5.08	2.04	2.73	2.52	3.07	2.01	39.45
1949	4.18	2.50	2.58	1.73	5.37	7.99	3.91	2.48	5.59	8.46	1.04	4.46	50.31
1950	6.77	2.03	2.12	2.93	6.91	3.69	2.29	5.91	2.04	2.44	0.48	0.13	37.76
1951	2.39	5.23	2.91	2.47	3.60	8.86	6.15	3.47	4.86	4.70	4.36	1.19	50.19
1952	0.97	3.48	3.41	3.05	2.44	0.58	2.33	6.95	0.20	0.58	3.56	1.73	29.28
1953	1.90	1.45	3.98	5.83	4.50	1.22	0.33	0.64	0.33	2.51	1.09	1.43	25.21
1954	1.64	1.43	1.56	3.93	6.12	1.10	2.45	2.84	3.83	6.75	1.02	5.32	37.99
1955	0.47	5.34	2.52	0.86	5.54	4.03	4.12	0.50	2.39	2.28	0.35	0.21	28.61
1956	1.00	1.88	0.50	1.75	5.80	3.63	4.21	1.27	0.26	3.49	2.17	2.76	28.72
1957	1.48	2.46	4.38	6.73	10.54	6.97	2.72	1.33	3.18	2.34	2.74	3.03	47.90
1958	0.90	0.99	6.00	3.88	2.75	5.06	18.75	1.47	8.40	0.78	2.45	0.76	52.19
1959	1.79	1.36	2.93	2.41	6.49	3.19	4.90	0.58	5.04	5.49	2.27	3.35	39.80
1960	0.95	2.26	1.37	2.42	4.21	1.35	4.37	2.52	1.42	2.92	3.07	3.44	30.30
1961	0.08	2.36	6.14	6.56	9.36	1.73	3.88	1.05	5.94	2.09	2.23	2.83	44.25
1962	2.03	1.96	2.58	3.33	2.80	4.22	0.80	0.78	9.15	1.19	1.03	1.43	31.30
1963	0.59	0.57	2.02	1.11	7.75	6.65	2.89	1.88	1.83	0.43	1.62	0.45	27.79
1964	0.53	1.67	3.85	4.43	2.30	6.95	0.98	4.92	2.14	1.99	3.20	1.66	34.62
1965	2.47	2.13	1.96	7.40	2.37	6.77	1.91	5.13	6.13	0.90	0.43	3.84	41.44
1966	1.59	5.03	1.38	4.85	3.54	1.90	5.24	4.90	3.35	1.26	2.82	2.15	38.01
1967	1.17	1.61	1.66	5.30	3.99	7.12	2.43	1.02	3.36	8.70	1.53	5.85	43.74
1968	3.07	1.84	4.05	2.59	4.58	2.35	3.60	6.26	3.09	3.28	7.59	3.53	45.83
1969	3.33	1.32	3.07	4.02	1.54	5.38	1.33	2.62	2.44	6.26	1.02	2.66	34.99
1970	0.58	0.67	3.79	5.14	2.58	6.39	0.74	3.62	9.87	4.68	1.59	2.19	41.84
1971	1.23	2.37	1.22	3.14	3.84	3.64	2.54	2.30	5.07	3.63	2.66	6.24	37.88
1972	0.45	1.23	0.95	4.82	1.96	1.62	2.24	3.34	6.41	5.96	8.08	1.70	38.76
1973	4.41	0.85	9.01	6.46	4.31	5.47	7.96	0.98	4.71	4.27	6.39	4.58	59.40
RECORD MEAN	2.20	2.06	3.30	4.03	4.93	4.81	3.69	3.69	3.76	3.21	2.68	2.34	40.70

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1934-35	0.0	0.0	0.0	0.0	15.6	5.0	0.2	0.7	T	T	0.0	0.0	21.5
1935-36	0.0	0.0	0.0	0.0	T	1.4	0.6	2.3	0.0	0.3	0.0	0.0	4.6
1936-37	0.0	0.0	0.0	T	T	2.7	8.1	2.4	1.4	T	0.0	0.0	14.6
#1937-38	0.0	0.0	0.0	0.0	7.5	1.0	T	6.0	0.0	2.0	0.0	0.0	16.5
1938-39	0.0	0.0	0.0	0.0	0.2	0.3	10.0	7.8	1.7	T	0.0	0.0	20.0
1939-40	0.0	0.0	0.0	T	T	7.0	11.7	7.9	5.5	T	0.0	0.0	32.1
#1940-41	0.0	0.0	0.0	0.0	0.5	0.2	1.3	7.1	7.3	0.0	0.0	0.0	16.4
1941-42	0.0	0.0	0.0	0.0	2.3	2.3	4.6	6.5	0.4	0.0	0.0	0.0	16.1
1942-43	0.0	0.0	0.0	T	T	6.4	0.6	1.0	10.8	0.0	0.0	0.0	18.8
1943-44	0.0	0.0	0.0	0.0	0.2	2.8	5.1	11.1	6.2	T	T	0.0	25.4
#1944-45	0.0	0.0	0.0	0.0	T	3.0	6.0	1.8	T	T	0.0	0.0	10.8
1945-46	0.0	0.0	0.0	0.0	T	3.1	2.4	1.5	0.0	T	0.0	0.0	7.0
1946-47	0.0	0.0	0.0	0.0	0.0	T	1.7	5.3	2.2	0.0	0.0	0.0	9.2
1947-48	0.0	0.0	0.0	0.0	0.4	T	7.1	6.4	3.0	0.0	0.0	0.0	16.9
1948-49	0.0	0.0	0.0	0.0	T	T	1.9	0.1	5.8	0.0	0.0	0.0	7.8
1949-50	0.0	0.0	0.0	0.0	0.0	0.4	2.9	T	1.5	T	0.0	0.0	4.8
1950-51	0.0	0.0	0.0	0.0	0.3	3.5	2.0	4.3	0.9	1.7	0.0	0.0	12.7
1951-52	0.0	0.0	0.0	0.6	19.5	1.1	1.0	0.5	0.4	T	0.0	0.0	23.1
1952-53	0.0	0.0	0.0	0.0	2.4	1.5	1.2	0.8	0.4	0.4	0.0	0.0	6.7
1953-54	0.0	0.0	0.0	0.0	T	0.9	2.8	2.2	2.8	0.0	0.0	0.0	8.7
1954-55	0.0	0.0	0.0	0.0	T	4.9	5.7	0.1	2.6	0.0	0.0	0.0	13.3
1955-56	0.0	0.0	0.0	0.0	T	1.9	10.4	2.5	3.0	0.1	0.0	0.0	17.9
1956-57	0.0	0.0	0.0	0.0	T	0.3	4.6	0.0	T	4.4	0.0	0.0	9.3
1957-58	0.0	0.0	0.0	0.0	0.7	1.0	3.4	3.6	15.2	0.0	0.0	0.0	23.9
1958-59	0.0	0.0	0.0	0.0	3.9	7.1	3.4	T	0.8	0.0	0.0	0.0	15.2
1959-60	0.0	0.0	0.0	0.0	2.0	T	2.2	15.1	12.5	T	0.0	0.0	31.8
1960-61	0.0	0.0	0.0	0.0	T	0.6	0.8	13.0	T	T	0.0	0.0	14.4
1961-62	0.0	0.0	0.0	0.0	T	2.8	8.1	1.1	0.3	T	0.0	0.0	12.3
1962-63	0.0	0.0	0.0	0.0	1.2	0.2	2.0	4.2	T	0.0	0.0	0.0	7.6
1963-64	0.0	0.0	0.0	0.0	0.0	1.2	2.6	2.3	3.6	T	0.0	0.0	9.7
1964-65	0.0	0.0	0.0	0.0	T	T	0.4	4.0	8.0	0.0	0.0	0.0	12.4
1965-66	0.0	0.0	0.0	0.0	0.0	0.2	2.0	6.8	0.1	T	0.0	0.0	9.1
1966-67	0.0	0.0	0.0	0.0	T	8.1	0.7	1.9	1.7	0.0	0.0	0.0	12.4
1967-68	0.0	0.0	0.0	0.0	0.8	4.6	1.0	3.5	13.7	0.0	0.0	0.0	23.6
1968-69	0.0	0.0	0.0	0.0	1.2	1.4	1.4	8.8	0.5	0.0	0.0	0.0	13.3
1969-70	0.0	0.0	0.0	T	T	13.9	5.7	0.1	23.9	T	0.0	0.0	43.6
1970-71	0.0	0.0	0.0	0.0	T	2.9	0.1	7.1	2.8	7.1	0.0	0.0	20.0
1971-72	0.0	0.0	0.0	0.0	2.8	T	0.2	3.1	T	0.0	0.0	0.0	6.1
1972-73	0.0	0.0	0.0	0.0	11.5	1.5	7.4	0.1	T	0.9	0.0	0.0	21.4
1973-74	0.0	0.0	0.0	0.0	0.0	9.9							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1888.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table. Temperature and Degree Day data are from City Office locations through 1939, precipitation and snowfall through July 1940.

STATION LOCATION

SPRINGFIELD, MISSOURI

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above Sea level: Ground at temperature site	Elevation above Ground: Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Elevation above Sea level: Pyranometer	Remarks
CITY																
Springfield	7/?/57	4/?/58														Smithsonian Institute Collection.
North Springfield	5/?/71	12/?/72		37° 15'	93° 20'	1460										May, June, July & December only.
Springfield	2/?/77	9/?/79	9 mi. E	37° 16'	93° 10'	1452										Temperatures (max. & min.), wind, clouds, and precipitation.
North Springfield	11/?/80	3/?/81	9 mi. W	37° 15'	93° 20'	1460										Temperature, wind, clouds, and precipitation.
NW Corner, Booneville & Public Square	12/15/81	6/15/83	3.7 mi. SE	37° 12'	93° 18'	1309										
Baker Block, NW Corner Public Square	9/20/87	6/13/94		37° 12'	93° 18'	1309	90	77	77		74		74			
U. S. Government Bldg., Booneville & Brower Sts	6/13/94	7/28/38	1/3 mi. N	37° 12'	93° 18'	1300	104	98	98		66		66			
U. S. Government Bldg., Booneville & Center	7/28/38	8/1/40	1/2 bl. N	37° 12'	93° 18'	1300	78	5	5		3		3			Construction of new Government Building.
AIRPORT																
Mill Street Road BAC Radio Station	1/7/33	1935		37° 12'	93° 15'		30	5	5							
Old Municipal Airport Administration Building 2-1/2 mi. ENE of P. O.	1935	8/1/40	1 mi. NNW	37° 13'	93° 15'	1355	60	5	5							Synoptic observations by CAA 8/1/39 to 8/1/40.
Old Municipal Airport Administration Building West Room	8/1/40	7/2/45		37° 13'	93° 15'	1355	67	5	5		3	4	3			Airway and Synoptic Observations by Weather Bureau.
New Municipal Airport Administration Building	7/2/45	10/1/63	9 mi. WNW	37° 14'	93° 23'	d1268	a20	25	25		24	b24	b24	c5		a - 59 feet to 2/15/62. b - 4 feet to 1/4/63. c - Commissioned 1725 feet SW of thermometer site 7/1/60. d - 1265 feet to 7/1/60.
Administration Building (New in 1963) Municipal Airport	10/1/63	Present	225 ft. NE	37° 14'	93° 23'	1268	e20		s4		4	4	4	e5		e - Not moved in 1963. s - Standby equipment.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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