

**U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU**

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**ANNUAL
METEOROLOGICAL
SUMMARY
1922
WITH COMPARATIVE DATA**

TOPEKA, KANSAS

COMPILED UNDER THE DIRECTION OF

SNOWDEN D. FLORA,

METEOROLOGIST.

Annual Meteorological Summary, 1922.

Month.	Temperature.						Precipitation.				Sun- shine.	Wind.			Number of days.												
	Means.			Extremes.			Total.	Greatest in 24 hours.	Date.	Snowfall.	Per cent of possible.	Average hourly ve- locity.	Highest.			(Clear.*	Partly cloudy.*	Cloudy.*	With precipitation 0.01 inch or more.	Thunderstorms.	Dense fog.	Snow, trace or more.	Max. temp.		Min. temp.		
	Maximum.	Minimum.	Monthly.	Highest.	Date.	Lowest.							Date.	Velocity.	Direction.								Date.	32° or below.	99° or above.	32° or below.	60° or below.
January.....	38.4	19.3	28.8	62	9	2	19	0.34	0.14	4	2.1	48	10.4	s	40	11	5	15	6	1	1	7	7	0	28	0	
February.....	44.1	21.6	32.8	74	21	2	13	2.48	2.27	32	1.9	67	12.5	n	37	8	6	14	5	1	2	3	0	0	22	0	
March.....	53.5	34.8	44.2	79	23	10	8	4.27	2.17	13-14	2.1	44	13.4	s	40	10	7	14	4	0	4	1	0	0	12	5	0
April.....	65.6	45.9	55.8	82	6	53	1	5.23	2.33	8	0	47	11.8	s	50	8	9	12	14	6	0	0	0	0	0	0	0
May.....	75.5	56.5	66.0	87	5	47	19	3.93	1.31	22-23	0	44	8.5	n	40	9	14	10	13	8	0	0	0	0	0	0	0
June.....	87.3	65.6	76.4	95	13	48	2	1.35	0.69	28	0	72	8.5	sw	25	11	13	12	6	6	0	0	0	12	0	0	0
July.....	86.1	66.5	76.4	95	29	57	4	8.64	4.10	10	0	68	8.6	nw	41	11	11	11	9	1	0	0	7	0	0	0	0
August.....	90.3	68.1	79.2	106	24	55	27	0.48	0.22	21	0	74	7.7	s	31	21	19	9	3	7	6	0	0	16	0	0	0
September.....	88.4	60.6	72.0	104	1	46	21	5.51	1.58	9-10	0	76	9.4	w	30	2	29	5	5	7	2	0	0	9	0	0	0
October.....	72.1	47.1	59.6	90	6	32	17	1.69	1.79	†	0	72	9.9	s	37	n	16	22	6	4	1	0	0	0	1	0	0
November.....	56.8	37.3	47.0	78	4	75	25	4.53	2.80	11-12	0	69	11.1	w	46	n	27	17	6	2	0	0	0	0	9	0	0
December.....	43.5	22.2	32.8	68	25	3	12	0.06	0.06	6-7	T.	65	10.5	n	37	s	24	17	2	0	1	1	8	0	26	0	0
Year...	66.4	45.5	55.9	106	Aug. 24	2†	Jan. 19	36.16	4.10	July 10	6.1	62	10.2	s*	w	Apr 8	173	91	98	97	51	8	17	24	41	98	0

† Jan. 19, 1.6 and Feb. 13, 2.0.

† Oct. 31-Nov. 1.

* So north, June 25.

* Daylight hours.

MONTHLY AND ANNUAL MEAN TEMPERATURE.

Year	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An- nual.
1887..						75.0	79.4	74.5	62.4	52.8	42.2	28.2
1888..	17.0	33.5	37.2	56.7	60.0	72.0	79.0	73.4	63.8	53.9	38.8	33.8	51.8
1889..	28.7	26.8	44.9	54.8	63.0	69.2	75.0	72.2	63.2	52.9	37.4	45.1	52.8
1890..	25.3	32.5	37.8	56.0	62.5	75.8	80.9	71.8	64.0	55.6	44.6	36.5	53.9
1891..	31.4	29.8	35.0	56.8	60.7	71.2	72.0	73.0	70.7	55.8	39.5	38.8	52.9
1892..	24.0	37.2	38.5	52.5	59.6	74.8	76.8	78.0	70.5	59.3	41.7	26.4	53.1
1893..	24.2	28.8	41.3	55.8	62.0	73.3	78.8	73.4	71.2	58.7	42.6	36.0	53.9
1894..	19.8	23.1	48.6	58.5	65.6	74.8	76.9	78.6	69.9	50.9	43.4	38.0	56.0
1895..	25.5	26.5	43.9	60.3	66.6	73.3	75.0	75.3	73.1	53.8	42.8	33.4	54.2
1896..	32.4	37.4	39.6	62.8	69.8	73.0	78.2	78.1	65.4	55.8	40.2	41.0	56.1
1897..	28.4	33.1	43.4	55.0	64.1	75.0	79.8	74.8	75.3	63.0	43.5	28.2	55.4
1898..	31.7	35.9	43.8	63.0	68.4	75.6	76.7	77.6	71.3	53.6	39.4	27.5	54.1
1899..	30.6	18.9	34.6	53.6	67.8	73.9	76.0	79.5	67.8	63.0	49.8	30.3	53.8
1900..	34.1	25.0	41.0	57.4	66.3	74.2	77.3	80.3	70.6	62.8	41.6	35.7	55.5
1901..	33.3	26.3	42.2	53.4	63.5	78.0	86.6	78.6	68.4	60.8	44.2	28.7	55.3
1902..	30.8	22.2	45.2	53.9	68.9	69.8	77.0	76.2	63.0	59.6	47.1	27.9	53.4
1903..	31.2	27.8	44.0	53.1	63.5	68.2	77.6	74.2	66.0	57.0	40.8	31.9	53.1
1904..	26.6	28.6	43.4	49.1	62.2	71.0	75.0	74.1	70.6	59.0	47.0	31.8	53.2
1905..	20.0	20.4	51.0	54.0	64.0	75.6	74.1	78.4	70.6	54.6	45.8	33.7	53.5
1906..	31.2	35.1	32.0	59.4	65.6	73.0	74.8	76.8	71.2	55.6	41.1	35.4	54.5
1907..	36.0	32.6	51.7	47.2	58.6	71.7	78.7	77.2	68.6	56.8	43.1	35.3	51.3
1908..	34.0	35.2	48.2	55.9	63.4	71.8	76.0	75.8	70.6	55.0	45.2	36.2	55.6
1909..	28.2	35.6	41.5	52.1	63.2	73.8	78.0	79.8	68.8	56.6	49.8	21.2	54.0
1910..	28.8	28.2	57.2	56.8	59.2	71.8	79.4	74.6	69.0	60.0	43.4	31.4	55.0
1911..	37.5	35.6	43.3	53.6	63.1	80.8	78.8	77.2	73.6	55.0	33.5	34.0	56.2
1912..	17.4	28.6	31.6	35.1	68.4	70.0	79.9	78.6	66.9	58.5	46.5	36.2	53.1
1913..	26.8	26.8	38.5	57.0	65.8	74.4	81.8	85.4	68.8	53.6	50.0	36.0	55.6
1914..	15.8	27.2	43.0	51.1	65.2	78.2	80.2	77.6	70.9	58.6	49.0	22.8	55.2
1915..	27.8	37.0	34.6	61.0	61.5	69.8	74.0	69.8	69.0	60.0	49.2	31.0	53.9
1916..	24.8	29.4	45.9	52.0	64.9	70.2	81.9	79.9	68.2	57.4	45.6	28.6	54.1
1917..	31.2	29.8	41.0	51.9	57.9	72.6	80.4	72.8	68.1	52.3	47.6	23.8	52.5
1918..	17.2	33.8	49.8	49.1	69.1	79.4	78.0	83.4	67.8	61.6	44.0	37.6	55.5
1919..	32.6	33.4	44.2	53.4	62.6	74.0	81.6	76.8	72.1	55.0	40.3	25.3	54.3
1920..	30.0	33.8	45.6	47.8	63.1	73.0	76.8	72.6	69.8	60.8	40.4	34.8	54.0
1921..	32.6	39.8	49.6	56.3	61.2	76.2	79.8	77.6	73.4	60.2	43.8	34.4	57.7
1922..	28.8	32.8	41.2	55.8	68.0	76.4	78.4	79.2	72.0	59.6	47.0	32.8	55.9
Mean	28.5	30.7	42.9	54.8	64.1	73.6	78.0	76.6	69.3	57.4	43.8	32.6	54.4

EXTREMES OF TEMPERATURE, 1887-1922.

Months.	Highest.	Year.	Date.	Lowest.	Year.	Date.
January	71.0	1906	29	-22.8	1892	19
February	78.0	1896	26†	-25.3	1899	12
March	92.9	1907	22	-0.8	1891	4
April	96.7	1893	6	13.4	1920	5
May	99.1	1913	29	27.9	1909	1
June	106.0	1911	25	35.9	1888	2
July	106.8	1911	5	50.4	1891	9
August	109.1	1918	3	39.5	1891	24
September	104.0	1922	1	32.6	1888	28
October	92.7	1899	12	20.5	1913	29
November	82.8	1915	6	-5.2	1887	27
December	73.5	1889	12	-10.0	1892	26

† Also February 23, 1913.

MONTHLY AND ANNUAL PRECIPITATION.

Year.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	An- nual.
1887..						9.57	1.06	5.39	4.67	3.39	1.21	0.89
1888..	0.72	1.43	3.21	1.36	0.87	9.14	3.00	7.23	0.57	2.39	2.91	1.13	33.96
1889..	0.63	1.81	2.03	2.83	6.08	3.08	8.11	6.48	4.28	1.34	2.15	0.05	38.96
1890..	2.54	0.44	0.35	1.89	3.50	1.60	2.39	5.60	4.65	2.62	1.57	0.91	27.97
1891..	2.58	1.91	2.49	3.72	6.86	10.50	8.06	2.31	1.09	1.55	0.64	1.63	43.28
1892..	1.21	3.33	4.53	2.17	14.10	0.73	6.37	4.14	0.90	1.46	0.69	1.92	41.46
1893..	0.06	1.61	2.12	2.21	6.54	5.40	6.17	2.82	3.90	0.25	1.30	0.35	32.73
1894..	0.72	1.34	1.16	2.94	1.91	7.65	2.68	0.42	3.55	2.01	0.35	0.45	24.61
1895..	0.57	0.68	1.27	0.93	3.74	2.79	9.23	6.20	2.61	0.44	1.00	1.77	31.23
1896..	0.41	0.60	0.62	4.00	9.30	3.19	5.51	5.60	2.61	3.31	1.04	0.31	36.56
1897..	1.45	1.46	2.32	2.41	2.43	7.82	3.89	2.81	1.16	1.57	0.56	1.15	28.86
1898..	2.18	1.78	4.21	5.27	6.10	2.55	2.63	3.81	4.98	3.00	1.13	1.48	39.22
1899..	0.39	1.22	3.14	2.41	4.28	4.21	6.40	2.05	1.57	0.76	0.34	0.92	27.69
1900..	0.69	5.58	0.83	2.33	3.56	2.54	4.60	2.07	7.47	2.97	0.56	0.21	30.81
1901..	0.13	1.87	1.78	3.55	0.54	1.90	4.10	1.67	6.02	2.88	0.65	0.91	25.98
1902..	1.56	0.51	1.62	0.76	4.43	4.64	3.87	6.01	3.56	2.26	2.13	1.26	32.61
1903..	0.44	1.14	1.27	3.08	8.63	4.91	3.74	12.69	2.74	3.50	1.09	0.91	44.14
1904..	0.92	0.16	2.62	4.70	6.96	3.83	6.37	2.99	4.35	0.22	0.17	0.50	33.84
1905..	0.98	1.74	4.75	1.57	5.30	2.81	6.53	1.71	9.40	1.28	1.80	0.20	38.07
1906..	0.63	1.03	2.30	2.13	1.60	2.07	2.56	7.67	1.31	0.33	2.83	0.63	24.49
1907..	3.03	1.47	1.81	0.83	1.87	4.89	4.25	3.14	1.87	2.54	1.14	0.60	27.49
1908..	0.09	2.40	0.68	2.05	9.07	9.80	3.91	7.76	0.19	4.23	2.83	0.19	43.20
1909..	0.44	1.06	2.01	1.61	4.93	3.56	11.60	0.77	11.46	1.35	5.98	2.17	46.96
1910..	2.42	0.87	0.06	0.66	7.52	1.76	2.80	8.00	5.63	1.57	0.25	1.03	32.57
1911..	0.54	5.59	0.75	2.33	1.91	0.55	3.91	4.44	4.45	0.81	0.96	2.41	28.71
1912..	0.14	1.58	3.29	1.11	3.31	3.85	2.51	3.03	3.98	7.05	1.92	0.32	31.92
1913..	0.50	2.75	1.34	2.73	4.46	3.38	1.57	1.56	5.98	6.16	1.31	3.56	35.30
1914..	0.07	1.40	2.00	1.30	1.36	8.50	2.77	2.01	6.61	3.65	0.08	1.68	30.00
1915..	1.23	2.48	1.69	3.10	9.23	9.10	7.86	2.19	5.00	0.76	0.43	1.34	44.41
1916..	2.69	0.31	2.55	2.26	4.95	5.97	0.32	0.78	2.03	3.14	2.65	0.70	28.33
1917..	0.31	1.04	4.35	4.30	3.01	0.57	5.58	5.38	1.15	0.05	0.19	25.96	
1918..	0.51	1.28	0.86	3.46	7.14	2.16	2.65	3.24	4.05	3.95	3.51	2.37	35.38
1919..	0.06	2.13	5.73	4.09	2.68	3.93	0.48	3.06	2.50	1.13	2.19	0.07	28.05
1920..	0.24	0.17	3.28	4.44	2.23	3.43	6.63	4.98	4.02	2.19	2.05	1.41	35.07
1921..	1.55	0.23	3.04	2.85	3.71	6.62	4.09	9.73	5.13	0.73	0.01	0.28	37.47
1922..	0.34	2.48	4.27	5.23	3.93	1.35	3.04	0.43	5.51	1.69	4.83	0.06	38.16
Mean	0.93	1.54	2.20	2.67	4.83	4.51	4.46	4.18	4.03	2.19	1.51	1.01	34.06

EXTREMES OF PRECIPITATION AND WIND.

Month.	Precipitation, 1888-1922.			Wind, 1902-1922.			
	Greatest in 24 hours.	Year.	Day.	Maximum velocity.	Direction.	Year.	Day.
January.....	1.37	1910	11-12	58	nw.	1909	29
February.....	2.53	1911	16-17	49 ^a	nw.	1917	4
March.....	5.33	1919	15-16	58	w.	1918	9
April.....	2.33	1922	8	54	s.	1909	11
May.....	4.36	1918	28-29	46	w.	1921	26
June.....	4.89	1915	10-11	60	sw.	1917	5
July.....	5.11	1909	6-7	56	w.	1906	1
August.....	4.92	1921	10	55	se.	1919	26
September.....	8.08	1909	6-7	46	sw.	1912	2
October.....	5.70	1912	10-11	41	sw.	1908	16
November.....	3.83	1900	13	46 ^b	s.	1915	10
December.....	1.90	1913	4-5	44	s.	1911	10

^a Also west, 1918, on 14. ^b Also northwest, 1917, on 21, and north, 1922, on 27.