

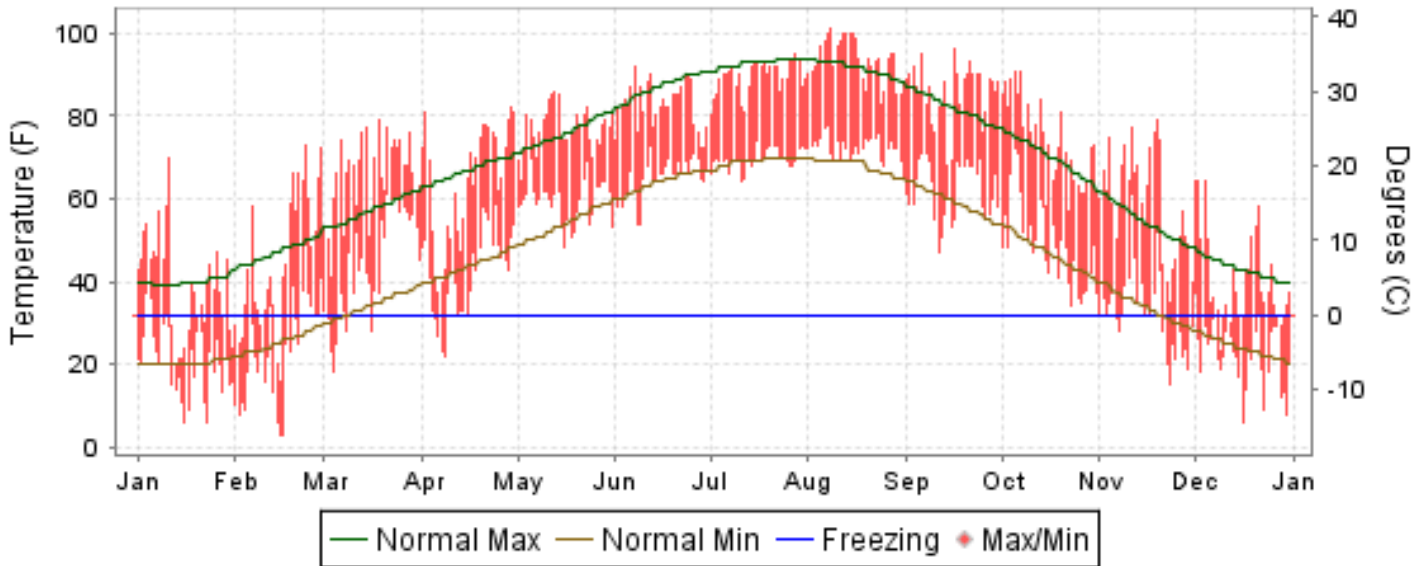


2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

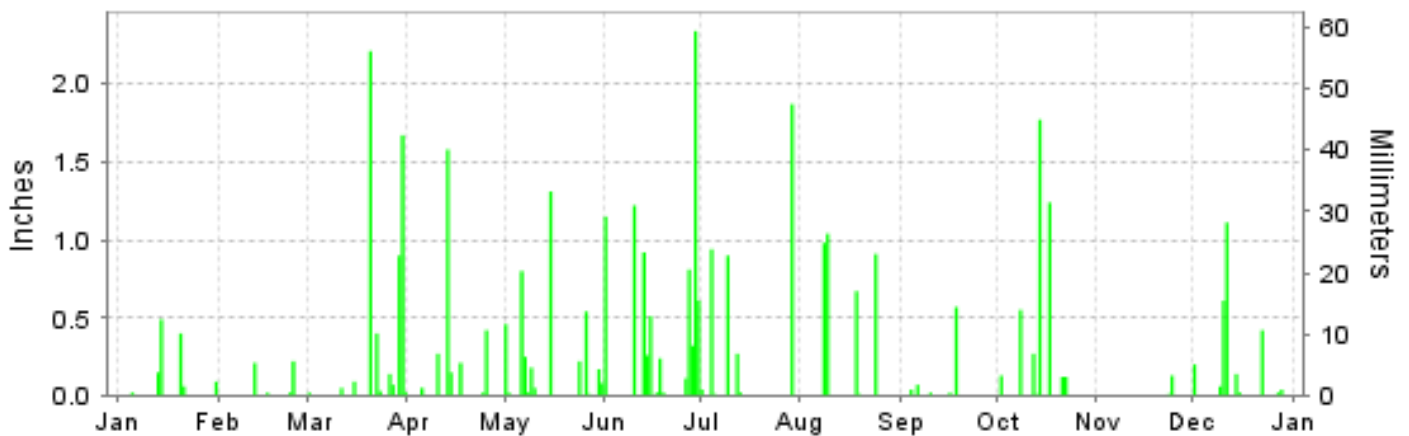
ISSN 0198-2214

WICHITA, KANSAS (KICT)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
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ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2007

WICHITA (KICT)

LATITUDE: 37 ° 38'N LONGITUDE: -97 ° 25'W ELEVATION (FT): GRND: 1320 BARO: 1341 TIME ZONE: CENTRAL (UTC -6) WBAN: 03928

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	39.0	45.0	65.6	64.1	76.9	82.7	89.4	93.6	85.7	73.8	59.3	40.5	68.0	
	HIGHEST DAILY MAXIMUM	70	73	79	82	86	92	95	101	96	91	79	64	101	
	DATE OF OCCURRENCE	11	23	18	29	13	07	28	08	16	05+	19	04+	AUG 08	
	MEAN DAILY MINIMUM	20.7	23.3	44.1	42.2	59.5	65.0	69.7	72.4	62.2	48.9	32.9	22.0	46.9	
	LOWEST DAILY MINIMUM	6	3	18	22	48	54	64	65	47	34	15	6	3	
	DATE OF OCCURRENCE	23+	16+	04	08	16	08+	11	31	11	23	23	16	FEB 16+	
	AVERAGE DRY BULB	29.9	34.2	54.9	53.2	68.2	73.9	79.6	83.0	74.0	61.4	46.1	31.3	57.5	
	MEAN WET BULB	27.0	29.7	49.1	47.5	62.3	67.4	70.9	72.4	63.7	53.7	39.7	28.7	51.0	
	MEAN DEW POINT	21.6	22.8	42.9	41.6	58.6	63.7	66.9	67.4	57.5	47.2	31.0	24.4	45.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	4	18	24	10	2	0	0	58	
	MAXIMUM <= 32°	11	6	0	0	0	0	0	0	0	0	0	8	25	
	MINIMUM <= 32°	29	21	6	6	0	0	0	0	0	0	17	30	109	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	1080	855	320	362	14	0	0	0	5	181	566	1040	4423	
	COOLING DEGREE DAYS	0	0	10	15	122	271	459	564	279	76	5	0	1801	
RH	MEAN (PERCENT)	72	66	68	67	74	74	69	62	61	63	59	77	68	
	HOUR 00 LST	79	73	74	76	82	82	79	72	70	73	68	81	76	
	HOUR 06 LST	79	77	83	81	89	89	87	82	78	80	75	83	82	
	HOUR 12 LST	63	55	60	54	64	64	54	49	48	48	45	71	56	
	HOUR 18 LST	68	58	57	56	63	61	55	48	47	53	49	74	57	
S	PERCENT POSSIBLE SUNSHINE	73	70	65	93	59	57	78	85	76	79	75	45	71	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	1	4	0	1	1	0	0	0	0	2	4	14	
	THUNDERSTORMS	0	2	4	2	6	8	4	4	3	4	0	0	37	
CLOUDNESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	28.75	28.61	28.61	28.57	28.57	28.51	28.57	28.54	28.61	28.57	28.69	28.64	28.60	
	MEAN SEA-LEVEL PRESS. (IN.)	30.20	30.06	30.02	30.00	29.97	29.90	29.95	29.91	30.00	29.98	30.13	30.10	30.02	
WINDS	RESULTANT SPEED (MPH)	1.7	1.3	3.0	1.4	5.8	3.6	4.8	8.5	6.1	3.7	1.3	1.7	2.9	
	RES. DIR. (TENS OF DEGS.)	27	04	17	18	15	14	15	17	16	18	18	35	17	
	MEAN SPEED (MPH)	10.6	11.4	12.3	11.6	10.5	10.3	8.1	10.8	11.2	11.8	9.6	9.9	10.7	
	PREVAIL.DIR.(TENS OF DEGS.)	18	36	18	18	16	17	16	18	18	16	18	35	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	37	44	36	39	35	40	31	41	36	33	33	36	44	
	DIR. (TENS OF DEGS.)	18	33	19	31	17	18	28	31	17	18	02	35	33	
	DATE OF OCCURRENCE	10	24	21	11	06	06	29	08	17	20	05	22	FEB 24	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	47	55	44	49	45	51	43	51	44	45	43	47	55	
DIR. (TENS OF DEGS.)	18	33	20	32	16	18	24	31	18	24	01	36	33		
DATE OF OCCURRENCE	10	24	21	11	05	06	29	08	17	17	05	22	FEB 24		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.21	0.47	5.60	2.70	4.11	8.53	4.05	3.61	0.72	4.21	0.14	2.62	37.97	
	GREATEST 24-HOUR (IN.)	0.49	0.24	2.21	1.67	1.31	2.82	1.87	2.02	0.57	1.77	0.14	1.69	2.82	
	DATE OF OCCURRENCE	14	23-24	20	13-14	15	29-30	29	08-09	18	14	23-24	10-11	JUN 29-30	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	6	4	11	7	13	13	7	5	5	8	2	9	90	
PRECIPITATION 0.10	3	2	5	5	8	11	4	4	1	7	1	5	56		
PRECIPITATION 1.00	0	0	2	1	1	3	1	1	0	2	0	1	12		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	9.5	0.2	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2.5	10.6	24.6	
	GREATEST 24-HOUR (IN.)	5.2	0.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.6	6.6	
	DATE OF OCCURRENCE	20	14	01	14							24	22	DEC 22	
	MAXIMUM SNOW DEPTH (IN.)	5	3	0	1	0	0	0	0	0	0	3	7	7	
	DATE OF OCCURRENCE	23+	02+	99	14					99		24	23	DEC 23	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	2	0	0	0	0	0	0	0	0	0	1	3	6		

NORMALS, MEANS, AND EXTREMES WICHITA (KICT)

LATITUDE:
37 ° 38'N

LONGITUDE:
-97 ° 25'W

ELEVATION (FT):
GRND: 1320 BARO: 1341

TIME ZONE:
CENTRAL (UTC -6)

WBAN: 03928

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	40.1	47.2	57.3	66.9	76.0	87.1	92.9	91.6	82.2	70.2	54.5	43.1	67.4
	MEAN DAILY MAXIMUM	60	40.8	47.0	56.5	67.8	76.9	86.8	92.4	91.2	82.1	70.6	55.5	44.2	67.7
	HIGHEST DAILY MAXIMUM	55	75	87	89	96	100	110	113	110	108	97	86	83	113
	YEAR OF OCCURRENCE		2002	1996	1989	2006	1996	1980	1954	1984	2000	2006	2006	1955	JUL 1954
	MEAN OF EXTREME MAXS.	60	63.1	69.7	79.2	85.7	91.5	99.1	103.4	102.7	96.7	88.3	74.3	64.8	84.9
	NORMAL DAILY MINIMUM	30	20.3	25.3	34.4	43.7	54.0	63.9	69.1	67.9	59.3	46.9	33.9	24.0	45.2
	MEAN DAILY MINIMUM	60	20.7	25.2	33.5	44.6	55.1	64.5	69.7	68.3	59.4	47.2	34.0	24.4	45.6
	LOWEST DAILY MINIMUM	55	-12	-21	-2	15	31	43	51	48	31	18	1	-16	-21
	YEAR OF OCCURRENCE		1962	1982	1960	1975	1976	1969	1975	1967	1984	1993	1975	1989	FEB 1982
	MEAN OF EXTREME MINS.	60	1.8	6.3	14.7	28.0	39.9	51.7	59.5	57.6	43.1	30.7	17.7	6.8	29.8
	NORMAL DRY BULB	30	30.2	36.3	45.9	55.3	65.0	75.5	81.0	79.8	70.8	58.6	44.2	33.6	56.4
	MEAN DRY BULB	60	30.8	36.1	45.0	56.2	66.0	75.8	81.1	79.7	70.8	58.9	44.8	34.3	56.6
	MEAN WET BULB	24	28.2	32.2	40.2	49.2	59.6	66.9	70.3	69.3	61.5	51.2	39.3	30.6	49.9
	MEAN DEW POINT	24	23.5	27.0	34.5	44.0	55.8	63.1	66.2	65.1	57.0	46.1	34.5	26.2	45.3
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.2	1.4	12.2	21.4	19.6	8.6	0.8	0.0	0.0	64.2
MAXIMUM <= 32	30	9.1	5.4	0.9	*	0.0	0.0	0.0	0.0	0.0	0.0	0.9	5.3	21.6	
MINIMUM <= 32	30	28.4	21.3	12.8	2.9	0.1	0.0	0.0	0.0	0.1	1.4	14.3	26.5	107.8	
MINIMUM <= 0	30	1.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.6	
H/C	NORMAL HEATING DEG. DAYS	30	1087	819	594	302	89	5	0	0	49	235	620	965	4765
	NORMAL COOLING DEG. DAYS	30	0	0	2	19	93	330	503	454	221	35	1	0	1658
RH	NORMAL (PERCENT)	30	71	68	66	65	70	66	61	62	65	65	70	73	67
	HOURLY 00 LST	30	77	74	72	72	79	76	70	70	74	73	77	78	74
	HOURLY 06 LST	30	80	79	79	79	85	83	80	81	83	80	81	81	81
	HOURLY 12 LST	30	63	60	56	54	58	53	49	51	53	53	60	64	56
	HOURLY 18 LST	30	66	59	54	52	57	50	46	47	51	55	65	69	56
S	PERCENT POSSIBLE SUNSHINE	52	59	60	63	66	64	69	76	77	70	64	59	57	65
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY <= 1/4 MI)	44	2.5	2.2	1.5	0.7	0.8	0.3	0.0	0.1	0.9	1.1	1.8	3.3	15.2
	THUNDERSTORMS	60	0.3	0.9	2.7	5.1	8.7	9.8	8.0	7.4	5.4	3.1	1.1	0.4	52.9
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	1	6.4	6.0	5.6	6.0	4.4	3.2	2.4	2.1	3.2	3.6	4.0	5.6	4.4
	MIDNIGHT-MIDNIGHT (OKTAS)	1	6.4	6.0	6.4	5.6	4.4	2.8	2.4	2.4	3.2	4.8	4.0	4.0	4.4
	MEAN NO. DAYS WITH: CLEAR	3	6.3	6.7	7.0	6.5	11.0	10.5	15.0	16.5	6.0	10.5	7.0	11.0	114.0
	PARTLY CLOUDY	2	5.0	6.5	3.5	2.5	8.0	7.0	4.5	5.0	3.0	4.0	2.5	3.5	55.0
	CLOUDY	3	8.3	8.0	8.0	9.0	5.5	3.0	3.0	2.0	2.5	5.0	8.0	7.5	69.8
PR	MEAN STATION PRESSURE (IN)	24	28.68	28.66	28.58	28.52	28.51	28.52	28.56	28.58	28.60	28.62	28.63	28.68	28.60
	MEAN SEA-LEVEL PRES. (IN)	24	30.14	30.11	30.01	29.93	29.91	29.90	29.94	29.96	29.99	30.03	30.07	30.13	30.01
WINDS	MEAN SPEED (MPH)	24	11.2	11.6	13.0	13.2	11.9	11.8	11.2	10.4	11.3	11.3	11.7	10.9	11.6
	PREVAIL. DIR (TENS OF DEGS)	35	36	36	19	19	19	19	19	19	19	19	19	19	19
	MAXIMUM 2-MINUTE: SPEED (MPH)	15	48	44	49	56	61	48	70	66	43	49	48	44	70
	DIR. (TENS OF DEGS)		35	33	24	23	18	30	34	05	15	31	33	32	34
	YEAR OF OCCURRENCE		1996	2007	2000	2001	1998	2006	1996	2003	2006	1993	1997	1997	JUL 1996
	MAXIMUM 5-SECOND SPEED (MPH)	15	59	55	61	66	70	59	101	74	56	53	57	53	101
	DIR. (TENS OF DEGS)		35	33	32	23	18	36	00	05	18	31	35	35	00
YEAR OF OCCURRENCE		1996	2007	2002	2001	1998	1996	1993	2003	2006	1993	1997	2000	JUL 1993	
PRECIPITATION	NORMAL (IN)	30	0.84	1.02	2.71	2.57	4.16	4.25	3.31	2.94	2.96	2.45	1.82	1.35	30.38
	MAXIMUM MONTHLY (IN)	54	3.17	3.89	9.17	6.02	9.62	10.46	9.22	11.96	10.69	9.42	5.88	4.71	11.96
	YEAR OF OCCURRENCE		2005	2001	1973	1999	1993	1957	1962	2005	1999	1998	1964	1984	AUG 2005
	MINIMUM MONTHLY (IN)	54	T	T	0.01	0.22	0.52	0.40	0.05	0.14	0.03	T	T	0.03	T
	YEAR OF OCCURRENCE		1986	2006	1971	1963	1973	1998	1975	2000	1956	1958	1989	1955	FEB 2006
	MAXIMUM IN 24 HOURS (IN)	54	1.89	2.05	2.65	2.51	4.70	4.98	3.86	4.50	7.93	5.84	4.33	2.60	7.93
	YEAR OF OCCURRENCE		2005	2001	1961	1988	1963	1965	1983	1991	1999	1998	1964	1984	SEP 1999
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	5.4	5.4	8.1	8.5	11.2	9.7	7.2	7.6	7.2	6.4	5.8	5.7	88.2
	PRECIPITATION >= 1.00	30	0.1	0.1	0.9	0.7	1.2	1.4	1.0	0.9	0.8	0.6	0.6	0.2	8.5
SNOWFALL	NORMAL (IN)	30	4.6	4.1	2.2	0.3	0.0	0.0	0.0	0.0	0.0	0.1	1.6	3.4	16.3
	MAXIMUM MONTHLY (IN)	54	19.7	16.7	16.5	4.6	T	T	T	T	T	1.5	7.1	13.8	19.7
	YEAR OF OCCURRENCE		1987	1971	1970	1979	2006	1992	1993	1994	1992	1991	1972	1983	JAN 1987
	MAXIMUM IN 24 HOURS (IN)	54	13.0	11.9	13.5	4.6	T	T	T	T	T	1.5	6.8	9.0	13.5
	YEAR OF OCCURRENCE		1962	1971	1970	1979	1991	1992	1993	1994	1992	1991	1984	1983	MAR 1970
	MAXIMUM SNOW DEPTH (IN)	55	17	13	13	3	0	0	0	0	0	T	5	8	17
	YEAR OF OCCURRENCE		1962	1971	1970	1979						1993	2006	1987	JAN 1962
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.4	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	4.5	

PRECIPITATION (inches) 2007 WICHITA (KICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1978	0.49	1.71	2.10	2.71	2.24	3.19	1.49	1.90	3.58	0.05	2.21	0.59	22.26
1979	1.57	0.23	4.47	1.46	3.05	6.54	2.18	0.67	1.54	2.96	2.05	1.99	28.71
1980	1.82	0.81	3.99	1.07	2.66	1.34	0.47	3.76	0.67	1.25	0.54	2.11	20.49
1981	0.25	0.22	2.15	0.38	6.33	4.25	1.27	2.65	2.25	4.69	2.93	0.29	27.66
1982	1.68	0.77	2.05	0.73	7.82	8.28	0.56	1.51	1.08	0.41	0.73	1.51	27.13
1983	1.66	1.23	4.26	3.80	4.08	7.38	3.86	1.39	2.53	2.97	2.39	1.13	36.68
1984	0.20	1.23	7.57	3.71	1.15	2.30	0.30	0.75	2.18	2.78	1.44	4.71	28.32
1985	0.26	2.07	1.64	2.28	2.01	4.79	3.97	2.86	5.97	5.58	1.60	0.61	33.64
1986	T	1.26	1.22	1.80	2.98	5.39	3.42	6.00	3.81	3.61	0.58	1.22	31.29
1987	1.40	3.33	4.13	0.61	8.01	4.50	2.14	7.69	2.10	0.90	1.50	2.25	38.56
1988	0.51	0.18	2.91	4.46	2.40	1.86	0.91	1.10	0.53	0.94	0.77	0.50	17.07
1989	0.79	0.39	2.38	0.23	4.96	7.96	4.07	5.72	7.38	0.37	T	0.44	34.69
1990	1.73	2.19	2.68	0.80	1.29	1.91	1.72	2.01	1.95	0.64	2.01	0.78	19.71
1991	0.58	T	0.71	2.27	4.09	1.34	2.65	7.57	2.08	1.00	2.38	2.07	26.74
1992	0.67	0.47	3.60	1.42	3.44	7.26	4.77	1.94	2.94	2.80	4.91	1.16	35.38
1993	1.12	2.25	1.75	2.11	9.62	4.44	6.21	1.31	1.77	1.68	0.55	0.30	33.11
1994	0.03	0.27	0.25	3.80	0.95	2.72	5.89	2.30	1.08	3.45	3.08	1.04	24.86
1995	0.44	0.41	2.45	3.40	5.99	8.86	4.20	5.51	2.00	0.28	0.08	0.68	34.30
1996	0.10	0.10	1.82	1.48	4.42	2.06	3.97	5.24	3.80	1.90	3.56	0.03	28.48
1997	0.36	2.18	0.46	3.81	4.78	4.35	5.89	4.36	3.50	3.39	1.30	2.65	37.03
1998	1.04	0.31	4.22	3.37	1.64	0.40	5.17	1.58	3.25	9.42	3.20	1.06	34.66
1999	1.35	0.39	1.89	6.02	7.17	7.55	3.48	1.25	10.69	0.16	1.45	4.06	45.46
2000	0.92	2.72	5.99	1.21	3.00	7.00	3.66	0.14	1.02	4.82	0.98	0.36	31.82
2001	1.47	3.89	2.25	1.42	3.12	4.31	1.24	1.90	3.10	1.06	0.65	0.08	24.49
2002	1.12	0.82	0.43	2.65	5.70	5.37	1.96	4.90	0.81	8.29	0.18	1.22	33.45
2003	0.12	1.94	3.53	4.06	2.99	4.08	0.47	6.82	4.39	3.19	0.11	0.89	32.59
2004	1.84	1.30	3.58	3.41	3.77	8.04	6.88	2.17	0.55	3.41	2.55	0.30	37.80
2005	3.17	1.83	1.82	1.03	1.86	7.30	4.35	11.96	0.62	2.16	0.02	0.59	36.71
2006	0.11	T	2.28	1.99	6.76	6.32	2.16	5.93	0.72	0.94	0.46	1.69	29.36
2007	1.21	0.47	5.60	2.70	4.11	8.53	4.05	3.61	0.72	4.21	0.14	2.62	37.97
POR= 60 YRS	0.88	1.04	2.33	2.41	4.00	4.59	3.76	3.35	3.03	2.55	1.45	1.10	30.49

WBAN : 03928

AVERAGE TEMPERATURE (°F) 2007 WICHITA (KICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1978	20.5	23.8	43.6	59.0	65.0	76.8	85.1	81.2	76.3	58.6	45.0	32.0	55.6
1979	16.7	24.0	46.9	54.1	64.1	74.5	80.4	79.8	72.7	61.9	41.8	37.7	54.6
1980	31.4	28.2	41.5	54.3	63.5	79.9	90.5	85.3	75.2	58.8	46.9	36.9	57.7
1981	34.1	40.1	47.6	63.7	62.6	77.9	83.6	78.1	72.0	55.9	47.0	32.9	58.0
1982	25.5	28.0	46.0	53.5	65.3	70.4	81.5	82.0	71.9	58.0	43.0	36.1	55.1
1983	31.7	35.5	43.3	48.0	60.5	71.5	81.6	85.0	72.7	58.5	45.5	16.4	54.2
1984	26.7	41.4	40.7	51.8	63.6	77.7	81.6	82.8	70.3	58.3	45.5	37.2	56.5
1985	25.2	31.2	49.1	59.9	67.7	74.0	81.7	77.5	69.8	57.4	39.4	28.8	55.1
1986	38.1	37.8	51.9	58.7	66.7	78.7	83.0	75.9	73.6	57.6	39.9	35.8	58.1
1987	29.3	42.3	47.0	57.4	69.7	76.4	80.1	78.7	70.4	55.7	47.7	34.9	57.5
1988	27.0	34.1	44.2	53.9	68.3	78.6	80.9	83.0	72.0	56.7	47.5	38.5	57.1
1989	38.5	27.5	47.0	59.6	66.0	72.0	79.0	77.0	65.7	60.7	45.5	25.2	55.3
1990	39.5	38.8	46.9	54.3	63.7	81.7	81.7	80.8	74.3	58.4	50.4	30.2	58.4
1991	28.9	44.6	49.7	58.9	70.4	79.3	83.8	80.5	69.6	59.4	39.5	39.1	58.6
1992	39.0	44.9	50.0	56.7	63.3	71.2	78.9	73.8	71.0	59.1	41.3	33.3	56.9
1993	28.6	32.2	43.1	52.5	63.5	74.5	81.7	81.0	67.4	55.3	40.8	37.8	54.9
1994	31.0	33.9	50.3	54.7	66.4	79.3	77.6	79.0	70.5	60.5	46.7	37.1	57.3
1995	32.9	40.6	45.4	52.3	60.2	72.3	80.1	80.9	68.5	59.1	43.8	33.5	55.8
1996	28.3	38.0	40.6	55.2	69.6	77.2	79.1	77.4	67.7	58.4	40.8	34.0	55.5
1997	30.9	37.5	47.4	51.0	62.9	73.9	79.3	76.7	72.6	59.2	42.1	34.6	55.7
1998	34.5	41.2	40.6	54.3	69.9	78.4	81.8	81.6	78.6	60.8	49.5	36.0	58.9
1999	32.7	45.3	44.6	56.0	65.3	73.0	82.3	81.2	67.1	59.2	53.3	37.7	58.1
2000	33.8	42.0	48.5	55.1	68.9	73.1	80.3	86.6	74.4	61.6	40.2	23.9	57.4
2001	32.3	33.5	42.8	60.2	67.5	75.3	86.3	82.7	70.0	59.1	50.9	39.0	58.3
2002	36.0	37.6	42.0	58.2	63.7	76.5	81.6	80.3	73.7	52.3	44.2	35.6	56.8
2003	32.3	33.3	45.6	58.1	64.6	72.6	84.3	82.4	66.0	58.2	45.8	37.2	56.7
2004	32.1	33.7	50.3	56.8	69.5	73.6	77.3	75.4	74.4	60.9	47.1	37.8	57.4
2005	31.3	40.8	46.5	56.9	67.4	77.6	80.0	78.7	74.5	60.0	47.9	32.7	57.9
2006	43.2	36.3	49.0	63.1	67.9	76.6	83.6	81.7	67.9	57.9	48.2	39.1	59.5
2007	29.9	34.2	54.9	53.2	68.2	73.9	79.6	83.0	74.0	61.4	46.1	31.3	57.5
POR= 60 YRS	30.8	36.1	45.0	56.2	66.0	75.8	81.1	79.7	70.8	58.9	44.8	34.3	56.6

HEATING DEGREE DAYS (base 65°F) 2007 WICHITA (KICT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1978-79	0	0	18	210	598	1016	1491	1143	560	333	104	3	5476
1979-80	0	0	10	156	690	838	1038	1063	723	318	116	0	4952
1980-81	0	0	28	239	535	864	954	692	533	104	126	0	4075
1981-82	0	0	24	292	537	990	1214	1033	583	356	54	17	5100
1982-83	0	0	37	239	653	889	1022	818	664	507	168	20	5017
1983-84	0	0	47	221	582	1504	1180	680	747	394	95	0	5450
1984-85	0	0	103	237	576	856	1224	938	487	184	33	8	4646
1985-86	0	0	111	230	762	1116	826	755	416	220	41	0	4477
1986-87	0	3	11	233	747	899	1099	631	551	263	14	0	4451
1987-88	0	2	7	282	523	924	1170	891	637	330	33	0	4799
1988-89	0	0	16	265	519	813	817	1044	556	238	90	8	4366
1989-90	0	0	105	193	578	1228	783	728	555	332	112	0	4614
1990-91	0	0	18	238	445	1074	1114	567	475	201	53	0	4185
1991-92	0	0	71	242	759	793	802	574	461	259	113	10	4084
1992-93	0	2	25	209	703	975	1122	913	670	368	100	10	5097
1993-94	0	0	59	321	718	837	1046	862	458	321	66	0	4688
1994-95	0	0	33	186	542	856	989	675	603	375	164	2	4425
1995-96	0	0	90	205	627	969	1129	776	749	308	49	5	4907
1996-97	0	0	48	231	719	953	1050	763	541	415	106	0	4826
1997-98	0	0	9	263	680	934	941	660	754	322	30	21	4614
1998-99	0	0	4	157	459	892	994	545	625	271	64	10	4021
1999-00	0	0	69	198	345	838	960	659	506	289	46	5	3915
2000-01	0	0	55	154	740	1266	1009	878	679	167	46	0	4994
2001-02	0	0	23	199	419	796	888	759	704	245	112	2	4147
2002-03	0	0	8	404	617	905	1008	881	597	232	68	13	4733
2003-04	0	0	71	217	568	854	1011	901	457	257	73	0	4409
2004-05	0	0	0	153	530	835	1039	673	569	257	80	0	4136
2005-06	0	0	14	214	509	993	665	798	490	143	80	0	3906
2006-07	0	0	30	281	499	795	1080	855	320	362	14	0	4236
2007-	0	0	5	181	566	1040							

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COOLING DEGREE DAYS (base 65°F) 2007 WICHITA (KICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1978	0	0	6	20	122	366	631	510	364	23	5	0	2047
1979	0	0	5	14	81	294	488	465	249	67	0	0	1663
1980	0	0	0	3	75	456	796	635	340	52	1	0	2358
1981	0	0	0	72	56	393	582	412	240	17	0	0	1772
1982	0	0	1	16	70	186	516	534	253	29	0	0	1605
1983	0	0	0	2	34	220	521	628	286	28	5	0	1724
1984	0	0	0	6	61	388	520	558	272	35	0	0	1840
1985	0	0	0	36	122	285	523	394	262	1	0	0	1623
1986	0	0	17	40	102	419	563	349	275	10	0	0	1775
1987	0	0	0	42	166	350	473	434	177	3	10	0	1655
1988	0	0	0	3	140	415	497	566	235	15	0	0	1871
1989	0	0	5	81	129	225	442	379	132	70	0	0	1463
1990	0	0	0	17	79	508	525	497	306	41	11	0	1984
1991	0	0	9	25	225	433	592	484	214	77	0	0	2059
1992	0	0	0	17	66	203	441	281	213	37	0	0	1258
1993	0	0	0	0	59	304	526	502	134	27	0	0	1552
1994	0	0	7	22	117	434	399	441	202	55	0	0	1677
1995	0	0	6	4	24	231	478	502	204	32	0	0	1481
1996	0	0	0	19	197	377	444	393	136	35	0	0	1601
1997	0	0	0	0	47	274	448	369	244	89	0	0	1471
1998	0	0	5	7	189	427	528	522	416	37	0	0	2131
1999	0	0	0	7	78	259	543	511	136	28	1	0	1563
2000	0	0	0	2	174	256	483	675	341	57	0	0	1988
2001	0	0	0	31	129	317	670	557	178	25	2	0	1909
2002	0	0	0	50	80	354	522	483	278	22	0	0	1789
2003	0	0	1	33	63	247	604	544	108	12	0	0	1612
2004	0	0	7	20	216	265	390	327	291	32	0	0	1548
2005	0	0	0	25	164	384	471	430	305	64	2	0	1845
2006	0	0	1	93	175	354	583	525	124	68	1	0	1924
2007	0	0	10	15	122	271	459	564	279	76	5	0	1801

SNOWFALL (inches) 2007 WICHITA (KICT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1978-79	0.0	0.0	0.0	0.0	T	6.7	13.9	1.9	1.6	4.6	0.0	0.0	28.7
1979-80	0.0	0.0	0.0	0.0	T	T	T	12.3	0.4	0.0	0.0	0.0	12.7
1980-81	0.0	0.0	0.0	T	T	0.4	T	2.5	0.2	0.0	0.0	0.0	3.1
1981-82	0.0	0.0	0.0	0.0	T	1.2	0.0	12.7	T	0.0	0.0	0.0	13.9
1982-83	0.0	0.0	0.0	0.0	T	1.4	13.0	8.9	1.5	0.7	0.0	0.0	25.5
1983-84	0.0	0.0	0.0	0.0	4.1	13.8	4.3	T	6.9	0.0	0.0	0.0	29.1
1984-85	0.0	0.0	0.0	0.0	6.8	7.6	3.5	3.6	0.2	0.0	0.0	0.0	21.7
1985-86	0.0	0.0	0.0	0.0	1.0	3.0	0.0	7.5	0.0	0.0	0.0	0.0	11.5
1986-87	0.0	0.0	0.0	0.0	T	0.4	19.7	6.0	T	0.0	0.0	0.0	26.1
1987-88	0.0	0.0	0.0	0.0	6.2	12.6	8.5	1.1	11.0	0.0	0.0	0.0	39.4
1988-89	0.0	0.0	0.0	0.0	3.0	0.7	0.3	0.8	T	T	T	T	4.8
1989-90	0.0	0.0	0.0	0.0	T	4.4	0.3	7.0	0.7	0.1	0.0	0.0	12.5
1990-91	0.0	0.0	0.0	0.0	0.0	4.8	2.1	0.0	T	T	T	T	6.9
1991-92	0.0	0.0	0.0	1.5	0.3	0.0	T	T	T	T	0.0	T	1.8
1992-93	0.0	0.0	T	T	3.8	3.3	7.7	5.1	2.2	T	0.0	0.0	22.1
1993-94	T	0.0	0.0	T	T	0.1	T	1.2	T	T	0.0	0.0	1.3
1994-95	0.0	T	0.0	0.0	0.0	0.0	1.9	2.6	5.6	0.0	0.0	0.0	10.1
1995-96	0.0	0.0	0.0	0.0	0.3	5.7	1.9	0.6	T	T	0.0	0.0	8.5
1996-97	0.0	0.0	0.0	0.2	4.6	0.4	3.8	5.5	T	2.0	0.0	0.0	16.5
1997-98	T	0.0	0.0	0.1	0.8	5.4	0.6	T	13.6	0.0	0.0	0.0	20.5
1998-99	0.0	0.0	0.0	0.0	0.0	0.9	0.1	T	8.3	T	T	0.0	9.3
1999-00	0.0	0.0	T	0.0	0.0	7.5	10.2	T	4.2	0.0	0.0	0.0	21.9
2000-01	0.0	0.0	0.0	0.0	T	5.5	2.5	1.1	T	T	T	T	9.1
2001-02	0.0	0.0	T	0.0	0.0	0.0	1.1	0.7	3.0	T	T	0.0	4.8
2002-03	0.0	0.0	0.0	0.0	T	11.3	1.3	13.1	T	T	T	0.0	25.7
2003-04	0.0	0.0	0.0	0.0	0.0	7.4	0.8	7.2	T	T	T	0.0	15.4
2004-05	T	0.0	0.0	0.0	1.5	T	5.7	T	0.1	0.0	T	T	7.3
2005-06	T	0.0	0.0	0.0	T	7.6	0.1	T	1.5	T	T	0.0	9.2
2006-07	0.0	0.0	0.0	0.0	5.5	1.3	9.5	0.2	0.0	1.8	0.0	0.0	18.3
2007-	0.0	0.0	0.0	0.0	2.5	10.6							
POR= 60 YRS	T	T	T	T	1.4	3.2	4.1	3.4	2.0	0.3	T	T	14.4

WBAN : 03928

REFERENCE NOTES :

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2007 WICHITA KANSAS (KICT)

Wichita is in the Central Great Plains where masses of warm, moist air from the Gulf of Mexico collide with cold, dry air from the Arctic region to create a wide range of weather the year around. Summers are usually warm and humid, and can be very hot and dry. The winters are usually mild, with brief periods of very cold weather.

The elevation is just over 1,300 feet above sea level. The terrain is basically flat with natural tree areas mainly along the Arkansas River and its tributaries.

The temperature extremes for the period of weather records at Wichita range from more than 110 degrees to less than -20 degrees. Temperatures above 90 degrees occur an average of 63 days per year, while very cold temperatures below zero occur about 2 days per year.

Precipitation averages about 30 inches per year, with 70 percent of that falling from April through September during the growing season. The wettest years have recorded over 50 inches. The driest years less than 15 inches.

Thunderstorms occur mainly during the spring and early summer. They can be severe and cause damage from heavy rain, large hail, strong winds and tornadoes.

The city of Wichita is protected against floods from the Arkansas River and its local tributaries by the Wichita-Vally Center Flood Control Project, which is designed to protect against floods up to the 75 to 100 year frequency class.

Snowfall normally is 15 inches per year, falling from December through March. Monthly snowfalls in excess of 20 inches and 24-hour snowfalls of more than 13 inches have occurred.

The prevailing wind direction is south with the windiest months March and April. July has the least wind. Strong north winds often occur with the passage of cold fronts from late fall through early spring. Extremely low wind chill factors are experienced with very cold outbreaks during the mid winter. On rare occasions during the summer, strong, hot, dry southwest winds can do considerable damage to crops.

Station Location

WICHITA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude		Longitude		ELEVATION ABOVE								REMARKS
				NORTH	WEST	GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	
*NOTE:																
AIRPORT																
NWS Building Mid-Continent Airport	12/10/81	11/1/92	0.88 mi. W	37° 39'	97° 27'	1339	e25 g33	5	5	e32 f7	4	4	4	e5	Instruments moved 12/11/81. e. Not moved 12/11/81. f. Moved to new site 12/21/81. g. Raised 8/3/84.	
Mid-Continent Airport	11/01/92	Present	NA	37° 39'	97° 26'	h1338								s	ASOS commissioned 11/1/92. h. Ground elevation.	

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* NOTES: For earlier station history see previous edition.