

1999

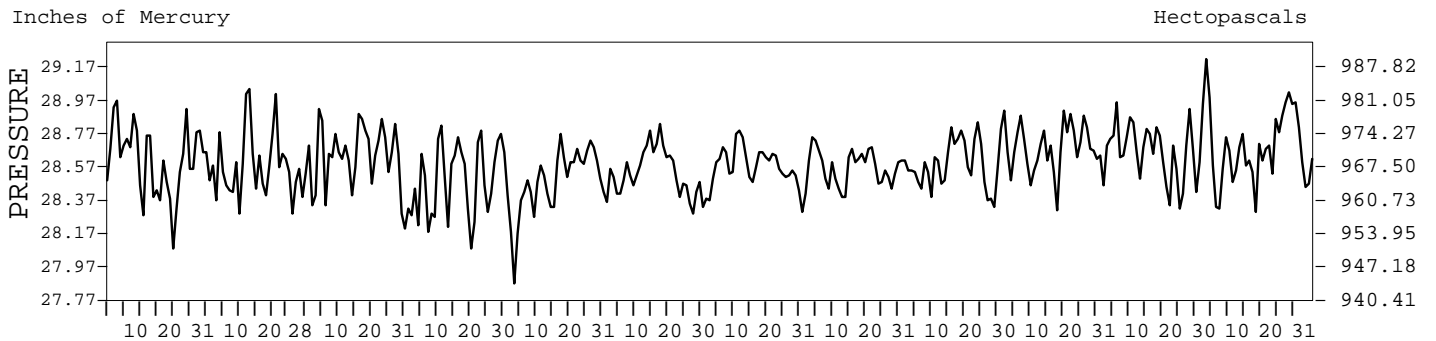
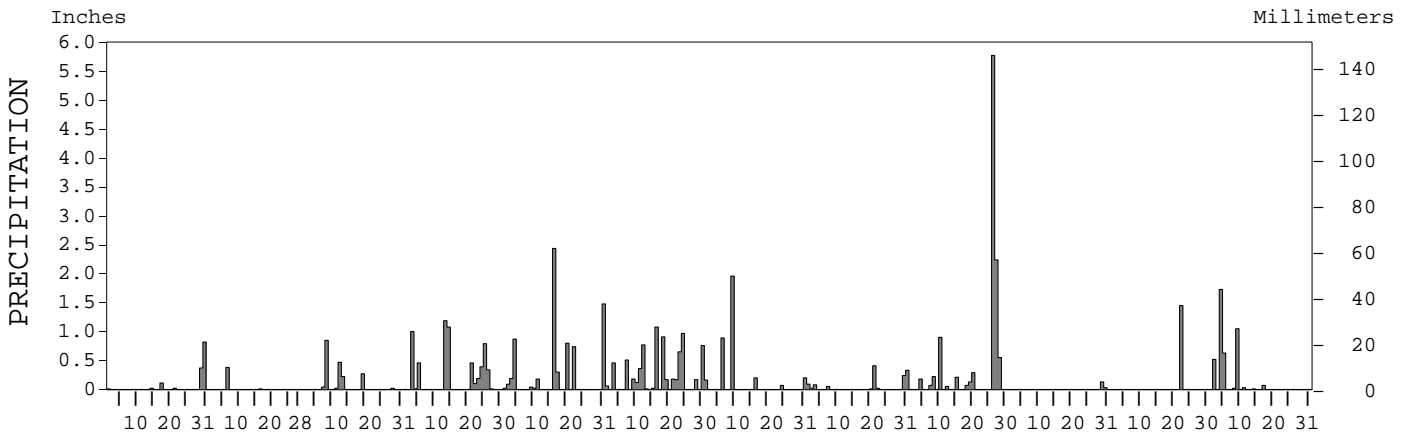
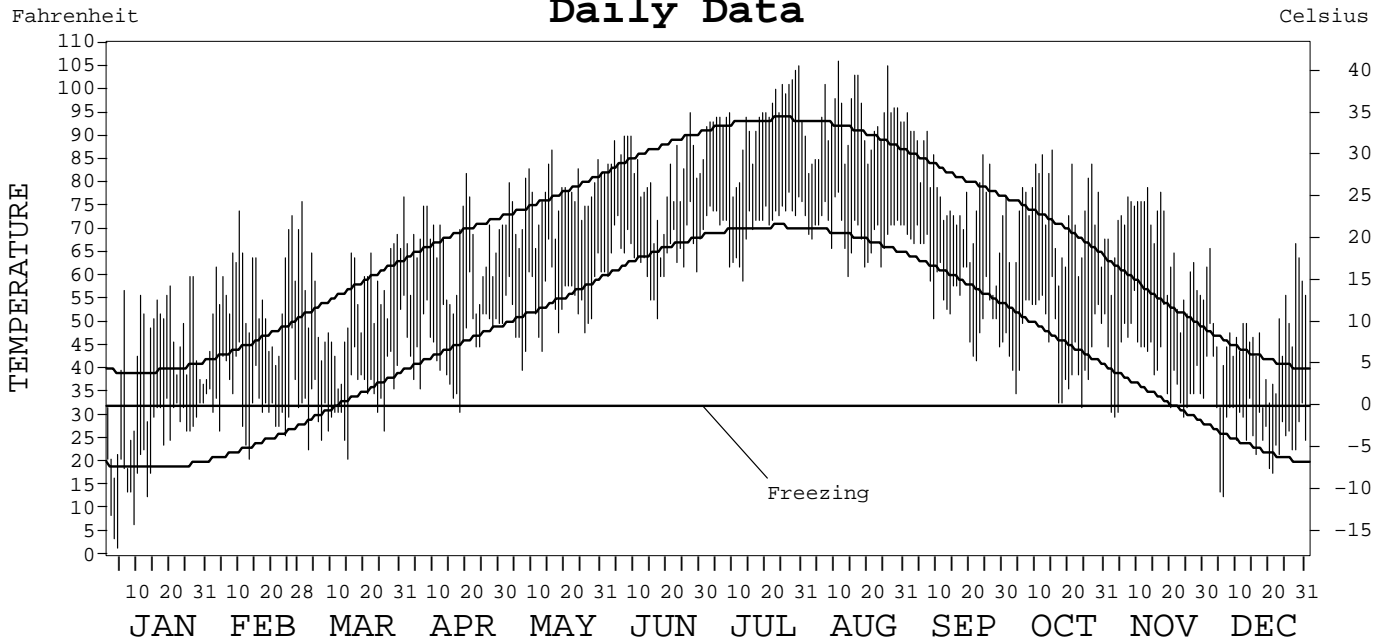
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2214

WICHITA,
KANSAS (ICT)

Daily Data



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
---	---	---	---	---

METEOROLOGICAL DATA FOR 1999

WICHITA, KS (ICT)

LATITUDE: 37° 38' 50" N LONGITUDE: 97° 25' 46" W ELEVATION (FT): GRND: 1339 BARO: 1339 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	42.1	56.8	54.9	65.9	76.4	81.7	93.2	93.0	77.2	72.6	66.2	47.5	69.0	
	HIGHEST DAILY MAXIMUM	60	74	76	82	87	95	105	106	95	87	79	67	106	
	DATE OF OCCURRENCE	27+	10	01	20	16	27	30	11	01	15	13	28	AUG 11	
	MEAN DAILY MINIMUM	23.3	33.8	34.3	46.0	54.1	64.3	71.3	69.4	56.9	45.8	40.3	27.9	47.3	
	LOWEST DAILY MINIMUM	2	21	21	31	40	51	59	60	42	32	30	13	2	
	DATE OF OCCURRENCE	04	13	15	18	07	17	13	14	22	24	24+	06	JAN 04	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	29.0	39.5	39.3	51.2	59.5	67.2	72.2	69.9	60.1	50.3	45.7	34.2	51.5	
	MEAN DEW POINT	23.8	32.0	32.4	46.4	54.9	64.1	67.7	64.4	55.7	42.2	38.0	29.1	45.9	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	5	25	20	4	0	0	0	54	
	MAXIMUM ≤ 32°	8	0	0	0	0	0	0	0	0	0	0	2	10	
	MINIMUM ≤ 32°	26	13	12	1	0	0	0	0	0	1	6	26	85	
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	994	545	625	271	64	10	0	69	198	345	838	3959		
	COOLING DEGREE DAYS	0	0	0	7	78	259	543	511	136	28	1	1563		
RH	MEAN (PERCENT)	74	64	66	73	70	76	65	60	71	58	61	74	68	
	HOUR 00 LST	79	71	72	81	82	85	76	68	80	67	68	81	76	
	HOUR 06 LST	84	75	80	86	87	91	84	80	86	75	77	81	82	
	HOUR 12 LST	67	52	56	62	58	67	51	48	59	43	47	64	56	
	HOUR 18 LST	69	54	54	62	56	63	51	46	60	45	53	71	57	
S	PERCENT POSSIBLE SUNSHINE	32	65	63		76	71	89	85	51	74		45		
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	2	1	2	2	0	0	0	0	0	0	1	3	11	
	THUNDERSTORMS	1	0	1	9	9	14	6	6	10	1	1	5	63	
CLOUDINESS	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.)	28.61	28.58	28.64	28.48	28.49	28.53	28.57	28.57	28.60	28.68	28.70	28.66	28.59	
	MEAN SEA-LEVEL PRESS. (IN.)	30.07	30.02	30.07	29.89	29.88	29.92	29.94	29.95	30.00	30.09		30.10		
WINDS	RESULTANT SPEED (MPH)	3.9	1.5	4.0	0.0	4.2	5.7	6.5	3.4	4.3	1.4	2.8	1.0	2.3	
	RES. DIR. (TENS OF DEGS.)	01	20	09		12	11	13	12	13	12	18	31	12	
	MEAN SPEED (MPH)	11.6	12.5	12.6	13.3	12.1	11.6	12.6	10.3	10.6	10.1	10.2	10.7	11.5	
	PREVAIL. DIR. (TENS OF DEGS.)	36	18	18	18	15	16	18	14	15	36	18	36	18	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	31	43	38	47	51	40	55	39	40	38	37	37	55	
	DIR. (TENS OF DEGS.)	33	33	18	35	15	34	27	32	16	19	19	18	27	
	DATE OF OCCURRENCE	17+	11	04	14	10+	28	06	30	26	29	18	01	JUL 06	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	39	55	45	59	66	58	75	53	49	46	45	46	75	
DIR. (TENS OF DEGS.)	33	33	18	34	16	31	26	31	16	19	19	33	26		
DATE OF OCCURRENCE	17	11	04	14	09	28	06	30	26	29	18	14	JUL 06		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.92	0.38	0.85	1.68	2.73	1.10	1.96	0.41	7.93	0.16	1.45	1.79	7.93	
	DATE OF OCCURRENCE	29-30	06	08	13-14	16-17	15-16	09	21	26-27	29-30	22	04-05	SEP 26-27	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	6	2	7	12	12	18	6	9	12	2	1	8	95		
PRECIPITATION ≥ 0.10	3	1	4	10	8	15	5	3	9	1	1	4	64		
PRECIPITATION ≥ 1.00	0	0	0	3	2	1	1	0	2	0	1	2	12		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	0.1	T	8.3	T	T	0.0	0.0	0.0	T	0.0	0.0	7.5	15.9	
	GREATEST 24-HOUR (IN.)	0.1	T	5.9	T	T	0.0	0.0	0.0	T	0.0	0.0	7.5	7.5	
	DATE OF OCCURRENCE	08	21+	12	03	20+				27+			04-05	DEC 04-05	
	MAXIMUM SNOW DEPTH (IN.)	T	0	5	0	0	0	0	0	0	0	0	8	8	
	DATE OF OCCURRENCE	13+		12									05	DEC 05	
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0	0	0	2	0	0	0	0	0	0	0	0	2	4		

NORMALS, MEANS, AND EXTREMES

WICHITA, KS (ICT)

LATITUDE: 37° 38' 50" N LONGITUDE: 97° 25' 46" W ELEVATION (FT): GRND: 1339 BARO: 1339 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	39.8	45.9	57.2	68.3	76.9	86.8	92.8	90.7	81.4	70.6	55.3	43.0	67.4
	MEAN DAILY MAXIMUM	46	39.4	45.6	55.4	66.6	75.2	85.1	90.9	89.2	80.1	69.0	54.1	45.0	66.3
	HIGHEST DAILY MAXIMUM	47	75	87	89	96	100	110	113	110	107	95	85	83	113
	YEAR OF OCCURRENCE		1967	1996	1989	1972	1996	1980	1954	1984	1990	1979	1980	1955	JUL 1954
	MEAN OF EXTREME MAXS.	47	61.2	67.9	77.9	83.9	89.3	97.7	101.6	100.8	95.2	86.1	72.0	63.2	83.1
	NORMAL DAILY MINIMUM	30	19.2	23.7	33.6	44.5	54.3	64.6	69.9	67.9	59.2	46.6	33.9	23.0	45.0
	MEAN DAILY MINIMUM	46	19.5	24.2	32.5	43.5	53.5	63.2	68.3	66.5	58.2	46.1	33.3	24.3	44.4
	LOWEST DAILY MINIMUM	47	-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.	47	1.2	5.6	14.5	27.2	38.5	50.6	58.0	55.6	42.1	30.0	17.6	6.7	29.0
	NORMAL DRY BULB	30	29.5	34.8	45.4	56.4	65.6	75.7	81.4	79.3	70.3	58.6	44.7	33.0	56.2
	MEAN DRY BULB	46	29.4	35.0	43.9	55.0	64.4	74.2	79.7	78.0	69.3	57.5	43.5	34.1	55.3
	MEAN WET BULB	44	29.2	34.4	42.8	53.8	64.1	72.7	76.2	74.8	67.4	56.3	43.2	33.4	54.0
	MEAN DEW POINT	44	22.9	27.3	34.8	46.6	58.9	67.5	70.4	68.9	62.0	49.6	36.9	27.3	47.8
	NORMAL NO. DAYS WITH: MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.3	2.0	12.1	21.9	18.9	7.0	0.8	0.0	0.0	63.0
MAXIMUM ≤ 32°	30	9.4	5.5	1.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.0	22.6	
MINIMUM ≤ 32°	30	28.4	22.5	14.6	2.8	0.1	0.0	0.0	0.0	*	1.3	14.3	26.8	110.8	
MINIMUM ≤ 0°	30	2.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.2	
H/C	NORMAL HEATING DEG. DAYS	30	1101	846	608	278	102	5	0	0	29	221	609	992	4791
	NORMAL COOLING DEG. DAYS	30	0	0	0	20	121	326	508	443	188	22	0	0	1628
RH	NORMAL (PERCENT)	30	70	68	64	63	67	64	59	61	67	65	70	72	66
	HOUR 00 LST	30	75	74	71	71	76	74	67	69	75	73	76	76	73
	HOUR 06 LST	30	78	78	77	78	82	82	78	79	83	80	80	80	80
	HOUR 12 LST	30	62	60	55	52	56	53	48	50	56	53	59	63	56
	HOUR 18 LST	30	64	59	52	50	54	49	44	46	53	54	64	67	55
S	PERCENT POSSIBLE SUNSHINE	44	59	60	63	65	64	69	76	77	70	65	58	57	65
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY ≤ 1/4 MI)	46	3.0	2.7	1.5	0.9	0.7	0.3	0.2	0.2	1.0	1.3	2.0	3.2	17.0
	THUNDERSTORMS	46	0.3	0.8	2.8	5.2	8.7	9.8	8.2	7.3	5.7	3.1	1.2	0.4	53.5
CLOUDINESS	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)	27	28.69	28.65	28.53	28.53	28.51	28.52	28.57	28.59	28.61	28.63	28.62	28.68	28.59
	MEAN SEA-LEVEL PRES. (IN)	45	32.16	32.10	31.98	31.92	31.90	31.90	31.92	31.95	31.99	32.04	32.11	32.13	32.01
WINDS	MEAN SPEED (MPH)	38	12.0	12.5	13.8	13.9	12.2	11.9	11.3	11.0	11.6	11.9	12.3	11.8	12.2
	PREVAIL. DIR (TENS OF DEGS)	27	36	36	18	18	18	18	18	18	18	18	18	18	18
	MAXIMUM 2-MINUTE: SPEED (MPH)	7	48	44	45	54	61	48	70	52	40	49	48	44	70
	DIR. (TENS OF DEGS)		35	02	33	08	18	17	34	04	16	31	33	32	34
	YEAR OF OCCURRENCE		1996	1997	1998	1994	1998	1998	1996	1998	1999	1993	1997	1997	JUL 1996
	MAXIMUM 5-SECOND: SPEED (MPH)	7	59	55	54	59	70	59	101	72	49	53	57	51	101
DIR. (TENS OF DEGS)		35	33	33	34	18	36	04	04	16	31	35	33	04	
YEAR OF OCCURRENCE		1996	1999	1998	1999	1998	1996	1993	1998	1999	1993	1997	1997	JUL 1993	
PRECIPITATION	NORMAL (IN)	30	0.79	0.96	2.43	2.38	3.81	4.31	3.13	3.02	3.49	2.22	1.59	1.20	29.33
	MAXIMUM MONTHLY (IN)	46	2.73	3.33	9.17	6.02	9.62	10.46	9.22	7.91	10.69	9.42	5.88	4.71	10.69
	YEAR OF OCCURRENCE		1973	1987	1973	1999	1993	1957	1962	1960	1999	1998	1964	1984	SEP 1999
	MINIMUM MONTHLY (IN)	46	T	T	0.01	0.22	0.52	0.40	0.05	0.31	0.03	T	T	0.03	T
	YEAR OF OCCURRENCE		1986	1991	1971	1963	1973	1998	1975	1976	1956	1958	1989	1955	FEB 1991
	MAXIMUM IN 24 HOURS (IN)	46	1.72	1.69	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		1980	1997	1961	1988	1963	1965	1983	1991	1999	1998	1964	1984	SEP 1999
	NORMAL NO. DAYS WITH: PRECIPITATION ≥ 0.01	30	5.1	5.3	7.9	8.0	10.6	9.3	7.1	7.7	7.9	6.2	5.2	5.8	86.1
PRECIPITATION ≥ 1.00	30	0.1	0.1	0.7	0.5	1.1	1.3	0.9	0.8	1.1	0.6	0.5	0.2	7.9	
SNOWFALL	NORMAL (IN)	30	4.7	4.5	2.1	0.3	0.0	0.0	0.0	0.0	T	1.4	3.8	16.8	
	MAXIMUM MONTHLY (IN)	46	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	1991	1992	1993	1994	1992	1991	1972	1983	JAN 1987
	MAXIMUM IN 24 HOURS (IN)	46	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)	47	17	13	13	3	0	0	0	0	0	T	5	8	17
	YEAR OF OCCURRENCE		1962	1971	1970	1979						1993	1987	1987	JAN 1962
	NORMAL NO. DAYS WITH: SNOWFALL ≥ 1.0	30	1.4	1.3	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	4.8

PRECIPITATION (inches) 1999 WICHITA, KS (ICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0.28	0.21	2.70	4.49	1.58	6.72	0.47	2.37	4.04	1.88	0.05	0.49	25.28
1971	0.98	1.70	0.01	2.35	3.02	2.70	6.65	1.49	1.73	5.54	2.49	0.95	29.61
1972	0.15	0.28	0.56	3.32	2.47	2.02	3.86	3.31	1.31	2.00	3.06	0.97	23.31
1973	2.73	1.20	9.17	3.78	0.52	1.21	6.07	0.68	9.46	3.43	0.91	2.80	41.96
1974	0.56	0.25	2.36	4.29	4.65	2.79	0.09	4.11	1.08	3.44	2.69	2.22	28.53
1975	1.28	2.12	1.72	1.57	8.60	6.88	0.05	2.77	1.19	0.08	2.89	0.48	29.63
1976	0.04	0.25	1.50	5.57	2.69	3.12	6.13	0.31	2.02	1.82	0.06	0.07	23.58
1977	0.54	0.08	1.42	3.32	8.85	3.15	3.98	6.31	4.35	1.19	2.38	0.19	35.76
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
POR= 46 YRS	0.72	0.90	2.21	2.41	4.06	4.23	3.53	3.04	3.40	2.52	1.59	1.17	29.78

WBAN : 03928

AVERAGE TEMPERATURE (°F) 1999 WICHITA, KS (ICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	27.3	38.5	39.7	55.1	69.3	74.5	81.3	83.2	69.7	53.9	41.5	36.9	55.9
1971	28.8	28.8	44.0	57.0	63.9	78.9	78.0	76.8	70.8	60.6	43.9	35.8	55.6
1972	27.0	34.8	47.9	55.3	64.1	76.7	77.1	78.4	71.0	55.6	39.8	28.5	54.7
1973	27.4	35.6	48.4	52.2	61.9	76.8	80.3	79.8	67.8	61.1	46.7	31.9	55.8
1974	24.9	38.7	47.9	56.4	68.3	72.5	84.4	76.7	64.1	60.5	44.9	35.1	56.2
1975	33.4	28.5	40.4	54.7	64.0	73.6	79.2	81.4	65.8	60.3	44.8	36.0	55.2
1976	32.0	45.5	46.3	57.5	60.2	73.7	78.4	79.7	69.8	52.4	38.3	33.7	55.6
1977	24.5	41.7	50.2	59.8	69.2	78.3	83.6	77.9	73.2	59.8	46.1	35.0	58.3
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
POR= 46 YRS	30.2	35.9	45.0	56.3	65.7	75.8	81.4	79.6	70.6	58.8	44.6	34.2	56.5

HEATING DEGREE DAYS (base 65°F) 1999 WICHITA, KS (ICT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	1	0	64	358	696	866	1118	1005	643	253	95	0	5099
1971-72	4	0	77	165	628	897	1171	871	524	310	109	0	4756
1972-73	2	0	46	319	750	1123	1159	816	506	386	125	0	5232
1973-74	0	0	58	159	541	1021	1237	732	529	263	42	1	4583
1974-75	0	0	92	156	596	920	974	1016	757	333	72	9	4925
1975-76	0	0	98	201	596	892	1015	562	575	238	173	2	4352
1976-77	0	0	38	409	794	966	1253	646	456	170	12	0	4744
1977-78	0	0	1	176	558	926	1375	1149	663	194	112	6	5160
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-	0	0	69	198	345	838							

WBAN : 03928

COOLING DEGREE DAYS (base 65°F) 1999 WICHITA, KS (ICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0	0	2	24	187	315	513	573	212	22	0	0	1848
1971	0	0	0	19	65	425	414	372	259	34	0	0	1588
1972	0	0	2	26	88	358	385	421	234	34	0	0	1548
1973	0	0	0	7	39	360	482	468	149	47	0	0	1552
1974	0	0	4	12	149	233	608	368	69	23	0	0	1466
1975	0	0	0	32	49	275	450	515	128	63	0	0	1512
1976	0	0	2	19	32	270	420	464	187	23	0	0	1417
1977	0	0	3	19	152	404	581	404	254	24	0	0	1841
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

SNOWFALL (inches) 1999 WICHITA, KS (ICT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	0.0	T	T	T	T	16.7	T	0.0	0.0	0.0	16.7
1971-72	0.0	0.0	0.0	0.0	2.3	2.4	1.7	4.4	0.8	0.0	0.0	0.0	11.6
1972-73	0.0	0.0	0.0	0.0	7.1	2.7	17.7	0.2	T	2.3	0.0	0.0	30.0
1973-74	0.0	0.0	0.0	0.0	T	8.7	4.1	0.7	2.0	0.3	0.0	0.0	15.8
1974-75	0.0	0.0	0.0	0.0	1.8	2.2	7.6	15.2	7.6	T	0.0	0.0	34.4
1975-76	0.0	0.0	0.0	0.0	5.5	T	0.6	0.9	T	0.0	0.0	0.0	7.0
1976-77	0.0	0.0	0.0	T	0.3	T	3.6	T	T	T	0.0	0.0	3.9
1977-78	0.0	0.0	0.0	0.0	T	T	7.4	7.8	0.3	0.0	0.0	0.0	15.5
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-	0.0	0.0	T	0.0	0.0	7.5							
POR= 46 YRS	T	T	T	T	1.3	3.2	4.2	3.8	2.7	0.3	T	T	15.5

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 (1961 - 1990). 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.</p> <p>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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
---	---

1999
WICHITA,
KANSAS (ICT)

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, KANSAS

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE											REMARKS		
						SEA LEVEL	GROUND												
							WIND	TEMP	PRECIP	REL	MO	OR	H	W	R	8		H	
<u>CITY</u>																			
Sedgwick Building 5th Floor, 1st & Market Streets	6/13/88	3/31/08	NA	37°41'	97°20'	1300	86	79	78				72						
111-113 E. Douglas Ave.	3/31/08	6/30/11	200 ft. S	37°41'	97°20'	1300	121	99	98				91						Moved for better exposure.
Beacon Building Suite 611 1st block S. Main St.	6/30/11	2/28/17	200 ft. S	37°41'	97°20'	1300	158	140	139				132						Moved for better exposure.
Beacon Building 10th Floor 1st block S. Main St.	2/28/17	4/26/32		37°41'	97°20'	1300	158	140	139				132						
New Post Office Bldg., 3rd & Market Streets	4/26/32	11/29/40	2000 ft. NNE	37°41'	97°20'	1300	93	86	85				78						Moved to airport.
<u>AIRPORT</u>																			
Municipal Airport	11/29/40	9/27/44	5 mi. SE	37°38'	97°16'	1372	61	6	5				4	4	4				Consolidation at airport station.
Municipal Airport	9/27/44	11/30/53	NA	37°38'	97°16'	1372	61	51	50				43	43	43				Instrument relocations.
Weather Bureau Building New Municipal Airport + + Mid-Continent Airport effective 6/11/73.	12/1/53	12/10/81	8.7 mi. WNW	37°39'	97°25'	1321	32 c25	b5	b5	32			4 d4	5 d4	4 d4	a5 c5	NA		a - Telepsychrometer (7') 5/20/57-9/1/60. Hygro. Comm. 9/1/60. b - Minor move 9/1/60. c - Minor move 7/26/67. d - Moved 50' E of previous location 6/18/80.
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	NA		Instruments moved 12/11/81. f - Not moved 12/11/81. g - Moved to new site 12/21/81. g - Raised 8/3/84.
Mid-Continent Airport	11/01/92	Present	NA	37°39'	97°26'	1339											S		ASOS commissioned 11/1/92.

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
 INQUIRIES/COMMENTS CALL: (828) 271-4800

National Climatic Data Center
 151 Patton Avenue, Rm 120
 Asheville NC 28801-5001

OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE \$300
 FORWARD AND ADDRESS CORRECTION

FIRST CLASS
 POSTAGE & FEES PAID
 United States Department of Commerce
 NOAA Permit No. G - 19