

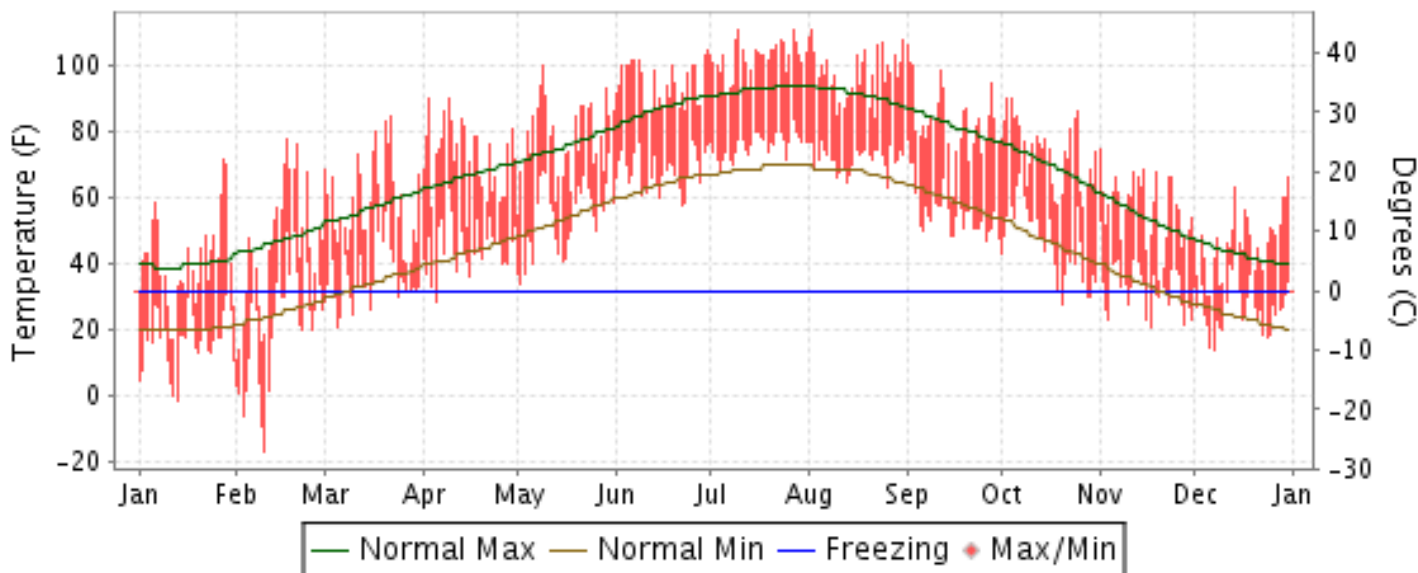


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

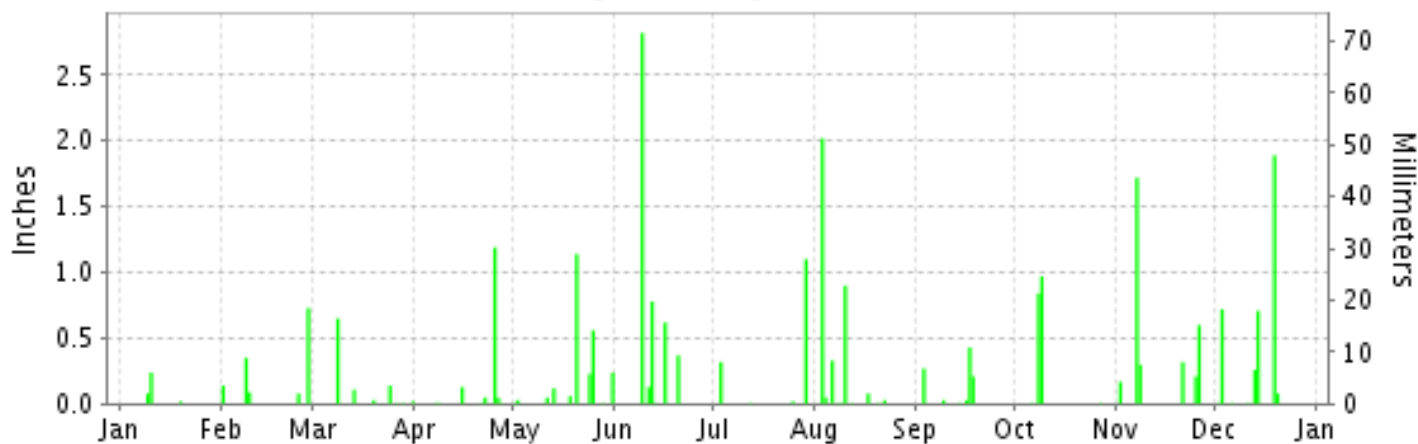
ISSN 0198-2214

WICHITA, KANSAS (KICT)

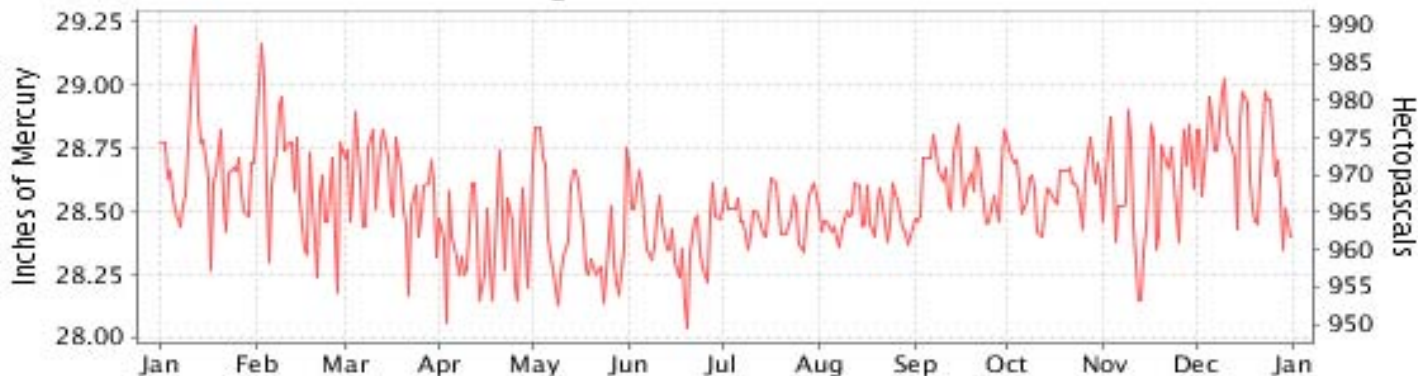
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2011

WICHITA (KICT)

LATITUDE: 37° 38'N LONGITUDE: -97° 25'W ELEVATION (FT): GRND: 1321 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	40.9	44.8	59.2	72.4	78.4	94.5	102.5	97.7	82.6	73.9	57.1	46.4	70.9	
	HIGHEST DAILY MAXIMUM	72	78	85	90	100	105	111	111	106	90	75	66	111	
	DATE OF OCCURRENCE	28	17	22	09+	09	30	27+	02	01	04+	01	31	AUG 02	
	MEAN DAILY MINIMUM	16.9	20.5	36.7	45.2	54.4	68.3	76.2	72.1	56.0	46.6	33.1	27.0	46.1	
	LOWEST DAILY MINIMUM	-1	-17	21	29	34	58	68	63	47	28	21	14	-17	
	DATE OF OCCURRENCE	13	10	05	05	02	22	04	26	26	20	17	07	FEB 10	
	AVERAGE DRY BULB	28.9	32.7	48.0	58.8	66.4	81.4	89.4	84.9	69.3	60.3	45.1	36.7	58.5	
	MEAN WET BULB	24.6		41.4	49.9	57.8	69.1	72.9	71.9	57.6	50.7	40.6	33.6		
	MEAN DEW POINT	17.7		33.9	40.1	51.2	62.3	65.6	65.5	49.0	41.8	34.5	29.4		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	2	4	21	31	26	6	2	0	0	0	92
	MAXIMUM <= 32°	7	8	0	0	0	0	0	0	0	0	0	2	2	17
MINIMUM <= 32°	31	21	11	1	0	0	0	0	0	4	13	24	105		
MINIMUM <= 0°	2	3	0	0	0	0	0	0	0	0	0	0	0	5	
H/C	HEATING DEGREE DAYS	1111	899	534	206	110	0	0	0	31	194	589	870	4544	
	COOLING DEGREE DAYS	0	0	12	28	162	499	760	625	169	55	0	0	2310	
RH	MEAN (PERCENT)	68	68	63	54	63	56	50	57	54	56	69	78	61	
	HOUR 00 LST	76	72	71	62	73	64	57	64	64	65	78	83	69	
	HOUR 06 LST	78	75	76	73	81	76	71	80	75	75	82	86	77	
	HOUR 12 LST	56	63	55	44	51	45	36	46	38	41	55	68	50	
	HOUR 18 LST	59	60	50	39	50	40	35	40	38	44	63	73	49	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	2	0	2	0	0	0	1	0	0	1	2	8	
	THUNDERSTORMS	0	2	2	3	6	10	10	8	4	0	1	3	49	
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.)	28.66	28.63	28.59	28.37	28.42	28.41	28.49	28.48	28.62	28.61	28.59	28.73	28.55	
	MEAN SEA-LEVEL PRESS. (IN.)	30.13	30.10	30.03	29.77	29.82	29.78	29.85	29.84	30.02	30.03	30.03	30.19	29.97	
WINDS	RESULTANT SPEED (MPH)	3.0	2.5	2.9	1.1	4.8	8.1	7.5	4.4	2.4	2.5	1.3	1.3	1.8	
	RES. DIR. (TENS OF DEGS.)	33	36	07	26	15	16	15	13	06	17	22	28	15	
	MEAN SPEED (MPH)	9.7	11.2	12.9	14.6	13.7	14.5	10.5	9.2	9.1	10.7	12.3	9.8	11.5	
	PREVAIL.DIR.(TENS OF DEGS.)	18	18	05	18	16	18	15	15	02	16	18	18	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	39	39	40	51	48	49	41	48	39	33	44	43	51	
	DIR. (TENS OF DEGS.)	32	33	25	32	31	18	32	23	31	15	19	33	32	
	DATE OF OCCURRENCE	07	01	22	03	31	20	03	03	03	06	18	31	APR 03	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	48	48	47	67	56	72	56	60	51	43	55	53	72	
DIR. (TENS OF DEGS.)	32	34	25	32	31	17	22	22	31	14	19	32	17		
DATE OF OCCURRENCE	07	01	22	15	31	20	29	03	03	06	18	31	JUN 20		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.34	1.39	0.97	1.46	2.45	4.73	1.45	3.45	0.98	1.83	3.32	3.69	26.06	
	GREATEST 24-HOUR (IN.)	0.32	0.73	0.65	1.19	1.14	2.82	1.10	2.07	0.51	0.99	1.76	1.94	2.82	
	DATE OF OCCURRENCE	09-10	27	08	25	20	09	29	03-04	17-18	08-09	07-08	19-20	JUN 09	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	3	5	7	8	10	6	4	10	6	4	6	8	77	
PRECIPITATION 0.10	1	3	3	2	5	5	2	3	3	2	6	4	39		
PRECIPITATION 1.00	0	0	0	1	1	1	1	1	0	0	1	1	7		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	4.3	13.0	T	T	0.0	T	0.0	0.0	0.0	0.0	0.3	0.1	17.7	
	GREATEST 24-HOUR (IN.)	3.2	6.8	T	T	0.0	T	0.0	0.0	0.0	0.0	0.3	0.1	6.8	
	DATE OF OCCURRENCE	10	08	27+	25		20+					08	06	FEB 08	
	MAXIMUM SNOW DEPTH (IN.)	3	7	0	0	0	0	0	0	0	0	0	0	7	
	DATE OF OCCURRENCE	13+	09+	13										FEB 09+	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	3	0	0	0	0	0	0	0	0	0	0	4		

NORMALS, MEANS, AND EXTREMES WICHITA (KICT)

LATITUDE:
37° 38'N

LONGITUDE:
-97° 25'W

ELEVATION (FT):
GRND: 1321 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	64	40.9	47.0	56.6	67.9	76.9	87.0	92.5	91.2	82.1	70.6	55.7	44.2	67.7
	HIGHEST DAILY MAXIMUM	59	75	87	89	96	100	110	113	111	108	97	86	83	113
	YEAR OF OCCURRENCE		2002	1996	1989	2006	2011	1980	1954	2011	2000	2006	2006	1955	JUL 1954
	MEAN OF EXTREME MAXS.	64	63.3	69.7	79.4	85.7	91.6	99.1	103.5	102.9	96.6	88.1	74.4	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	64	20.6	25.1	33.7	44.6	55.1	64.7	69.8	68.4	59.3	47.1	34.1	24.3	45.6
	LOWEST DAILY MINIMUM	59	-12	-21	-2	15	31	43	51	48	31	18	1	-1	-21
	YEAR OF OCCURRENCE		1962	1982	1960	1975	1976	1969	1975	1967	1984	1993	1975	1989	FEB 1982
	MEAN OF EXTREME MINS.	64	1.8	6.0	14.9	27.9	39.8	52.1	59.8	57.7	43.3	30.7	18.0	6.9	29.9
	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	64	30.8	36.1	45.2	56.3	66.0	76.0	81.2	79.8	70.7	58.9	44.9	34.3	56.7
	MEAN WET BULB	28	27.0	31.3	39.2	48.1	58.6	66.5	69.7	68.7	60.7	50.0	38.7	29.6	49.0
	MEAN DEW POINT	28	23.9	27.5	35.4	44.8	56.2	64.0	66.9	65.8	57.6	46.7	35.5	26.7	45.9
	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	53	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)	48	2.6	2.1	1.4	0.6	0.8	0.3	0.1	0.1	0.9	1.1	1.7	3.2	14.9
	THUNDERSTORMS	64	0.3	1.0	2.7	5.1	8.6	9.7	8.0	7.4	5.3	3.1	1.1	0.4	52.7
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)	28	28.68	28.65	28.58	28.51	28.51	28.51	28.56	28.58	28.60	28.61	28.63	28.67	28.59
	MEAN SEA-LEVEL PRES. (IN)	28	30.14	30.10	30.01	29.92	29.90	29.89	29.93	29.96	29.99	30.03	30.06	30.13	30.01
WINDS	MEAN SPEED (MPH)	28	11.2	11.6	13.0	13.3	11.9	11.9	11.1	10.3	11.0	11.2	11.7	10.9	11.6
	PREVAIL.DIR(TENS OF DEGS)	39	36	36	19	19	19	19	19	19	19	19	19	19	19
	MAXIMUM 2-MINUTE: SPEED (MPH)	19	48	44	49	56	61	49	70	66	43	49	48	44	70
	DIR. (TENS OF DEGS)		35	33	24	23	18	18	34	05	15	31	33	32	34
	YEAR OF OCCURRENCE		1996	2007	2000	2001	1998	2011	1996	2003	2006	1993	1997	1997	JUL 1996
	MAXIMUM 3-SECOND SPEED (MPH)	19	59	55	61	67	70	72	101	74	56	53	57	54	101
	DIR. (TENS OF DEGS)		35	33	32	32	18	17	00	05	18	31	35	01	00
	YEAR OF OCCURRENCE		1996	2007	2002	2011	1998	2011	1993	2003	2006	1993	1997	2008	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)	58	3.17	3.89	9.17	9.94	13.14	10.46	9.22	11.96	12.96	9.42	5.88	4.71	13.14
	YEAR OF OCCURRENCE		2005	2001	1973	2009	2008	1957	1962	2005	2008	1998	1964	1984	MAY 2008
	MINIMUM MONTHLY (IN)	58	T	T	0.01	0.22	0.52	0.40	0.05	0.14	0.03	T	T	0.03	0.01
	YEAR OF OCCURRENCE		1986	2006	1971	1963	1973	1998	1975	2000	1956	1958	1989	1955	MAR 1971
	MAXIMUM IN 24 HOURS (IN)	58	1.89	2.05	2.65	6.04	4.70	4.98	3.86	4.50	10.57	5.84	4.33	2.60	10.57
	YEAR OF OCCURRENCE		2005	2001	1961	2009	1963	1965	1983	1991	2008	1998	1964	1984	SEP 2008
	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
MAXIMUM MONTHLY (IN)		58	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	2010	2011	1993	2009	2010	1991	1972	1983	JAN 1987
MAXIMUM IN 24 HOURS (IN)		58	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	2010	2011	1993	2009	2010	1991	1984	1983	MAR 1970
MAXIMUM SNOW DEPTH (IN)		59	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) 2011 WICHITA (KICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2008	0.35	1.57	3.08	1.82	13.14	7.42	3.82	3.00	12.96	4.03	1.37	1.26	53.82
2009	0.08	0.60	2.04	9.94	2.94	4.51	3.55	3.94	5.16	3.82	0.56	0.39	37.53
2010	0.42	1.11	1.82	1.02	6.47	5.33	2.77	4.26	3.11	0.50	1.24	0.12	28.17
2011	0.34	1.39	0.97	1.46	2.45	4.73	1.45	3.45	0.98	1.83	3.32	3.69	26.06
POR= 64 YRS	0.84	1.05	2.31	2.48	4.14	4.64	3.71	3.36	3.18	2.55	1.46	1.11	30.83

WBAN : 03928

AVERAGE TEMPERATURE (°F) 2011 WICHITA (KICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2008	32.6	34.8	45.5	53.9	66.1	76.8	80.2	77.9	67.9	57.7	46.2	33.1	56.1
2009	32.2	42.5	47.8	55.1	65.7	79.1	78.3	76.3	68.5	51.3	50.3	30.0	56.4
2010	29.0	32.4	47.1	60.9	65.8	80.8	82.7	83.5	74.3	62.3	46.5	34.2	58.3
2011	28.9	32.7	48.0	58.8	66.4	81.4	89.4	84.9	69.3	60.3	45.1	36.7	58.5
POR= 64 YRS	30.8	36.1	45.2	56.3	66.0	76.0	81.2	79.8	70.7	58.9	44.9	34.3	56.7

HEATING DEGREE DAYS (base 65°F) 2011 WICHITA (KICT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2007-08	0	0	5	181	566	1040	995	867	596	340	71	0	4661
2008-09	0	0	30	251	563	982	1010	626	526	314	88	0	4390
2009-10	0	1	37	424	434	1082	1109	905	551	149	88	0	4780
2010-11	0	0	10	112	550	948	1111	899	534	206	110	0	4480
2011-	0	0	31	194	589	870							

WBAN : 03928

COOLING DEGREE DAYS (base 65°F) 2011 WICHITA (KICT)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2008	0	0	0	15	113	359	477	403	126	32	5	0	1530
2009	0	0	2	21	118	428	417	357	148	4	0	0	1495
2010	0	0	5	33	121	479	553	582	297	36	0	0	2106
2011	0	0	12	28	162	499	760	625	169	55	0	0	2310

SNOWFALL (inches) 2011 WICHITA (KICT)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2007-08	0.0	0.0	0.0	0.0	2.5	10.6	5.0	4.0	0.0	T	T	0.0	22.1
2008-09	0.0	0.0	0.0	0.0	T	4.6	1.6	T	6.8	0.6	T	0.0	13.6
2009-10	0.0	T	0.0	0.0	T	4.0	4.6	4.6	1.9	0.0	T	T	15.1
2010-11	0.0	0.0	T	0.0	T	T	4.3	13.0	T	T	0.0	T	17.3
2011-	0.0	0.0	0.0	0.0	0.3	0.1							
POR= 64 YRS	T	T	T	T	1.3	3.1	4.1	3.5	2.0	0.3	T	T	14.3

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. 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.</p>	<p>GENERAL CONTINUED: 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. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</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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2011 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 History

WICHITA, KS

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
WICHITA MID-CONTINENT AP	2001-10-01	2005-01-17	37° 39'	-97° 26'	1321		ASOS, COOP, WXSVC
WICHITA MID-CONTINENT AP	2010-03-16	Present	37° 38'	-97° 25'	1321		ASOS, COOP, WXSVC
WICHITA MID-CONTINENT AP	1973-12-01	1992-11-01	37° 39'	-97° 25'	1332		COOP, WXSVC
WICHITA MID-CONTINENT AP	2005-01-17	2010-03-16	37° 39'	-97° 26'	1321		ASOS, COOP, WXSVC
WICHITA MUNICIPAL AP	1953-12-01	1973-01-01	37° 39'	-97° 25'	1332		AIRWAYS, COOP
WICHITA MID-CONTINENT AP	1992-11-01	1999-12-07	37° 38'	-97° 25'	1320		ASOS, COOP, WXSVC
WICHITA MID-CONTINENT AP	1999-12-07	2001-10-01	37° 39'	-97° 25'	1321		ASOS, COOP, WXSVC
WICHITA MUNICIPAL AP	1973-01-01	1973-12-01	37° 39'	-97° 25'	1332		COOP, WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1995-07-01	1999-12-07	DAILY	2400	TEMPX		
TEMP	1953-12-01	1970-10-01	DAILY	2400	TEMPX		
PRECIP	1999-12-07	2001-10-01	HOURLY		TB	RCRD	
PRECIP	2001-10-01	2005-01-17	DAILY	2400	TB	RCRD	
PRECIP	2011-12-22	Present	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
TEMP	2005-01-17	2010-03-16	DAILY	2400	ATEMP		
PRECIP	2005-01-17	2010-03-16	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
PRECIP	2010-03-16	2011-12-22	DAILY	2400	PCPNX		
PRECIP	1953-12-01	1970-10-01	DAILY	2400	UNIV	RCRD	
TEMP	1970-10-01	1995-07-01	DAILY	2400	TEMPX		
PRECIP	1995-07-01	1999-12-07	HOURLY	2400	UNIV	RCRD	
PRECIP	2010-03-16	2011-12-22	HOURLY	2400	AWPAG	SHLD;RCRD;HTD	
TEMP	2011-12-22	Present	DAILY	2400	ATEMP	SHLD	
PRECIP	2011-12-22	Present	DAILY	2400	PCPNX	SHLD	
PRECIP	1970-10-01	1995-07-01	HOURLY	2400			
TEMP	1999-12-07	2001-10-01	DAILY	2400	HYGR		
PRECIP	2001-10-01	2005-01-17	HOURLY		TB	RCRD	
PRECIP	2005-01-17	2010-03-16	DAILY	2400	PCPN1	SHLD	
PRECIP	1970-10-01	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	1999-12-07	DAILY	2400	UNIV	RCRD	
TEMP	2001-10-01	2005-01-17	DAILY	2400	ATEMP		
TEMP	2010-03-16	2011-12-22	DAILY	2400	ATEMP		
PRECIP	1999-12-07	2001-10-01	DAILY	2400	TB	RCRD	

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.info@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov