



FEBRUARY 2004

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

KNOXVILLE, TN

MC GHEE TYSON AIRPORT (TYS)
 Lat: 35° 49' N Long: 83° 59' W Elev (Ground): 979 Feet
 Time Zone: EASTERN WBAN: 13891 ISSN #:0198-4810

FEBRUARY 2004
KNOXVILLE, TN

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES						DATE							
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM										
																			5-SEC		2-MIN								
																			SPEED	DIR	SPEED		DIR						
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24							
01	53	23*	38	-1	14	29	27	0		0	0.0	0.00	29.13	30.19	4.4	04	4.8	14	04	12	05	01							
02	46	32	39	0	27	34	26	0	RA BR	0	0.0	0.61	29.09	30.15	3.3	01	5.2	16	27	14	27	02							
03	44	33	39	0	33	36	26	0	RA DZ BR	0	0.0	0.09	29.08	30.14	8.7	26	10.1	25	22	22	23	03							
04	45	32	39	0	26	33	26	0	HZ	0	0.0	0.00	29.26	30.33	9.0	04	9.6	21	04	17	05	04							
05	46	31	39	-1	33	37	26	0	RA PL BR	0	T	0.01	29.10	30.16	5.0	02	6.0	17	06	15	06	05							
06	54	38	46	6	46	47	19	0	RA DZ FG BR	0	0.0	1.75	28.85	29.89	4.3	29	8.3	29	29	24	28	06							
07	38	29	34*	-6	26	30	31	0	RA DZ SN PL BR	T	T	T	29.06	30.13	11.4	27	12.3	29	28	23	28	07							
08	42	27	35	-5	20	29	30	0	SN	0	T	T	29.39	30.47	3.6	03	6.0	17	08	14	07	08							
09	49	27	38	-2	28	34	27	0		0	0.0	0.00	29.29	30.36	3.3	25	5.2	23	24	20	24	09							
10	47	34	41	0	37	40	24	0	RA BR	0	0.0	T	29.14	30.19	4.9	24	5.4	15	23	14	24	10							
11	47	32	40	-1	29	35	25	0	RA BR	0	0.0	T	29.14	30.20	3.8	03	4.5	13	02	10	02	11							
12	41	32	37	-4	36	36	28	0	RA SN BR UP	0	T	0.29	29.14	30.20	4.0	04	4.7	13	04	12	04	12							
13	48	31	40	-1	33	37	25	0	FG+ BR	0	0.0	0.00	29.19	30.26	1.0	28	2.0	10	24	7	28	13							
14	50	36	43	1	33	38	22	0		0	0.0	0.00	28.99	30.04	3.4	04	4.0	10	01	10	01	14							
15	42	34	38	-4	35	36	27	0	RA SN BR UP	0	T	0.56	28.89	29.94	9.9	04	10.3	25	04	22	04	15							
16	43	32	38	-4	33	36	27	0	BR	0	0.0	0.00	29.26	30.33	5.7	03	6.6	14	05	12	02	16							
17	39	33	36	-6	36	37	29	0	RA BR HZ	0	0.0	T	29.33	30.40	1.5	25	2.2	10	26	9	28	17							
18	49	27	38	-4	27	33	27	0	FG+ FZFG BR	0	0.0	0.00	29.29	30.37	1.4	24	3.3	12	16	9	26	18							
19	60	28	44	1	29	37	21	0		0	0.0	0.00	29.05	30.11	4.2	24	4.5	16	25	14	25	19							
20	58	36	47	4	42	47	18	0	RA BR	0	0.0	0.02	28.77	29.81	16.5	22	16.9	39*	21	32*	21	20							
21	55	34	45	2	34	41	20	0	RA	0	0.0	T	28.93	29.97	7.4	29	9.8	30	27	22	26	21							
22	54	27	41	-3	29	36	24	0	BR	0	0.0		29.11	30.17	4.6	04	5.3	16	05	14	05	22							
23	52	32	42	-2	34	39	23	0		0	0.0		29.05	30.11	1.1	36	2.3	9	02	8	01	23							
24	51	43	47	3	41	44	18	0	RA BR	0	0.0	0.10	28.93	29.98	4.7	05	5.0	18	04	16	04	24							
25	50	35	43	-1	29	38	22	0	HZ	0	0.0	0.00	28.97	30.02	14.0	05	14.1	30	05	24	06	25							
26	46	32	39	-6	30	34	26	0	RA SN PL FG+ BR	0	T	0.21	29.02	30.08	9.9	04	10.2	24	03	20	04	26							
27	47	32	40	-5	32	35	25	0	SN	0	T	T	29.19	30.25	6.1	05	6.7	16	34	12	08	27							
28	61	26	44	-2	30	37	21	0	BR	0	0.0	0.00	29.32	30.39	2.2	03	3.2	10	04	9	04	28							
29	64*	30	47*	1	29	39	18	0		0	0.0	0.00	29.26	30.32	0.3	24	1.5	9	24	9	25	29							
< MONTHLY AVERAGES										TOTALS-->				<- MONTHLY AVERAGES															
-2.7										-1.4										-0.37									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.75 DATE :06										SEA LEVEL PRESSURE DATE TIME									
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: T DATE :27+										MAXIMUM : 30.58 08 1053									
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: T DATE :07										MINIMUM : 29.68 20 2253									
HEATING: 708 37 2972 25										NUMBER OF DAYS WITH =>										PRECIPITATION ≥ 0.01 INCH : 9									
COOLING: 0 -1 2 1										MAXIMUM TEMP ≥ 90: 0										PRECIPITATION ≥ 0.10 INCH : 6									
										MAXIMUM TEMP ≤ 32 : 0										SNOWFALL ≥ 1.0 INCH : 0									
										THUNDERSTORMS : 0																			
										MINIMUM TEMP ≤ 32 : 19																			
										MINIMUM TEMP ≤ 0 : 0																			
										HEAVY FOG : 3																			

SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN

FEBRUARY 2004

TYS

WBAN # 13891

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01												01		0.00	
02													02				T	0.10	0.20	0.10	0.02	0.03	0.06	0.02	0.07	02	0.60	0.61
03	0.09	0.01	T		T			T	T	T			03												03	0.10	0.09	
04													04												04		0.00	
05													05					T							05	T	0.01	
06													06	0.05				T							06	1.68	1.75	
07			0.10	0.13		0.20	0.31	0.26	0.20	0.15	0.16	0.08	0.04	07	T			T							07		T	
08	T	T	T	T	T	T	T	T	T	T			08	T	T	T	T	T	T	T	T				08		T	
09													09												09		0.00	
10			T	T									10												10		T	
11													11												11		T	
12	T	0.02	0.05	0.06	0.09	0.02	0.02	T	T	T	0.01	0.01	T	12	T	0.01									12		0.29	
13													13												13		0.00	
14													14												14		0.00	
15						0.05	0.02	0.01	T	T	0.01	0.01	15	0.09	0.07	0.10	0.11	0.03	0.02	0.03	0.01	T		15		0.56		
16													16												16		0.00	
17													17	T											17		T	
18													18												18		0.00	
19													19												19		0.00	
20													20											0.02	20		0.02	
21	T												21												21		T	
22													22												22			
23													23												23			
24													24	0.05	T										24	0.05	0.10	
25													25												25		0.00	
26										0.06	0.06	0.07	0.01	26	T	T	T	T	0.01	T	T	T	T	T	26		0.21	
27					T	T							27												27		T	
28													28												28		0.00	
29													29												29		0.00	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.04	.07	.09	.12	.17	.24	.32	.43	.52	.60	.71	.81
Ending Date	06	06	06	06	06	06	06	06	06	06	06	06
Ending Time (Hour/Min)	0513	0511	0617	0521	0532	0624	0615	0621	0615	0624	0700	0735

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

KNOXVILLE, TN FEBRUARY 2004

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							1.25	10.00	
03							3.00	10.00	
04							6.00	10.00	
05							4.00	10.00	
06							.50	10.00	
07							.75	10.00	
08							7.00	10.00	
09							8.00	10.00	
10							4.00	10.00	
11							3.00	10.00	
12							.75	10.00	
13							.06	10.00	
14							8.00	10.00	
15							1.75	10.00	
16							3.00	10.00	
17							1.75	6.00	
18							<.25	10.00	
19							10.00	10.00	
20							6.00	10.00	
21							7.00	10.00	
22							6.00	10.00	
23							8.00	10.00	
24							2.50	10.00	
25							6.00	10.00	
26							.25	10.00	
27							10.00	10.00	
28							3.00	10.00	
29							8.00	10.00	
MONTHLY AVGS							4.63	9.86	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 29									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 3 13 9									

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

FEBRUARY 2004

TYS

WBAN # 13891

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)			
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)					SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
																																				SKY COVER	CEILING
SUNRISE: 0737										FEB 01		SUNSET: 1803						SUNRISE: 0731										FEB 07		SUNSET: 1809							
01	CLR	NC						10.00		27	4	21	37	5	06	29.12	30.19	01	OVC	032								10.00	DZ	37	32	35	82	13	24	28.93	29.98
04	CLR	NC						10.00		27	9	22	47	10	02	29.10	30.17	04	OVC	037								10.00		34	27	31	76	16	25	28.95	30.01
07	SCT	NC						10.00		23	11	20	60	7	05	29.11	30.19	07	OVC	028						9.00	-SN	33	23	29	67	13	28	28.99	30.05		
10	FEW	NC						10.00		33	12	26	42	10	05	29.17	30.24	10	OVC	028						2.00	-SN BR	32	30	31	92	12	24	29.02	30.08		
13	FEW	NC						10.00		45	15	34	30	6	03	29.15	30.22	13	OVC	016						2.00	-SN	32	27	30	82	18	28	29.04	30.11		
16	FEW	NC						10.00		52	15	38	23	3	VR	29.10	30.16	16	OVC	021						10.00		32	25	29	75	15	29	29.07	30.13		
19	SCT	NC						10.00		46	15	35	29	0	00	29.11	30.18	19	OVC	041						8.00	-SN	31	23	28	72	13	28	29.15	30.22		
22	OVC	150						10.00		39	19	32	45	0	00	29.15	30.21	22	OVC	046						10.00		29	19	26	66	12	29	29.23	30.32		
SUNRISE: 0736										FEB 02		SUNSET: 1804						SUNRISE: 0731										FEB 08		SUNSET: 1810							
01	BKN	150						10.00		35	21	30	57	3	01	29.14	30.20	01	OVC	029						9.00	-SN	29	20	26	69	5	27	29.31	30.39		
04	OVC	150						10.00		33	24	30	70	5	05	29.14	30.20	04	OVC	030						10.00		29	18	25	64	7	01	29.36	30.45		
07	OVC	055						10.00		37	21	31	52	7	06	29.14	30.20	07	OVC	034						9.00	-SN	28	18	25	66	9	03	29.44	30.52		
10	OVC	070						10.00		39	21	32	48	6	03	29.18	30.24	10	SCT	NC						10.00		30	20	27	66	12	04	29.47	30.55		
13	OVC	050						10.00		43	23	35	45	6	02	29.11	30.16	13	FEW	NC						10.00		37	22	32	54	7	07	29.47	30.55		
16	OVC	070						10.00		44	31	39	60	0	00	29.03	30.09	16	SCT	NC						10.00		41	20	33	43	6	VR	29.37	30.44		
19	OVC	055						8.00		38	31	35	76	5	01	29.03	30.09	19	BKN	250						10.00		37	20	31	50	3	05	29.35	30.42		
22	OVC	011						2.50	RA BR	39	37	38	93	0	00	29.01	30.06	22	SCT	NC						10.00		29	22	27	75	6	05	29.33	30.41		
SUNRISE: 0735										FEB 03		SUNSET: 1805						SUNRISE: 0730										FEB 09		SUNSET: 1811							
01	OVC	004						6.00	BR	38	37	38	97	3	24	28.98	30.04	01	BKN	250						10.00		30	23	28	75	0	00	29.36	30.44		
04	OVC	004						3.00	BR	38	37	38	97	6	26	28.94	30.00	04	OVC	200						10.00		31	23	28	72	8	26	29.37	30.44		
07	BKN	040						6.00	DZ BR	40	38	39	93	17	24	28.96	30.01	07	BKN	250						10.00		28	23	26	81	6	35	29.34	30.42		
10	OVC	016						7.00		43	35	40	74	15	23	29.04	30.10	10	OVC	040						8.00		36	25	32	64	0	00	29.36	30.44		
13	OVC	040						10.00		42	34	39	73	13	29	29.08	30.14	13	OVC	047						10.00		44	27	37	51	12	29	29.28	30.36		
16	BKN	035						10.00		40	29	36	65	13	29	29.11	30.17	16	OVC	095						10.00		47	33	41	59	13	22	29.24	30.31		
19	OVC	028						10.00		35	28	32	76	9	29	29.19	30.26	19	OVC	060						10.00		46	33	40	61	3	28	29.21	30.27		
22	OVC	022						10.00		34	26	31	73	8	28	29.24	30.31	22	OVC	047						10.00		43	31	38	63	0	00	29.21	30.28		
SUNRISE: 0734										FEB 04		SUNSET: 1806						SUNRISE: 0729										FEB 10		SUNSET: 1812							
01	OVC	030						10.00		33	27	31	78	5	02	29.22	30.29	01	OVC	043						10.00		42	34	39	73	0	00	29.20	30.26		
04	OVC	028						10.00		33	25	30	72	7	36	29.25	30.33	04	OVC	044						10.00		41	36	39	82	3	01	29.16	30.21		
07	OVC	026						9.00		32	25	29	75	9	04	29.26	30.34	07	OVC	042						8.00	-RA	40	37	39	89	3	23	29.16	30.22		
10	BKN	024						8.00		34	26	31	73	13	06	29.30	30.38	10	OVC	028						7.00		41	38	40	89	5	27	29.17	30.22		
13	SCT	NC						10.00		42	28	36	58	14	02	29.28	30.35	13	OVC	024						9.00		44	37	41	76	10	24	29.14	30.19		
16	BKN	200						10.00		45	29	38	54	13	04	29.27	30.34	16	BKN	043						10.00		47	39	43	74	10	24	29.08	30.14		
19	SCT	NC						10.00		39	27	34	62	8	06	29.25	30.32	19	SCT	NC						7.00		42	40	41	92	8	21	29.10	30.16		
22	SCT	NC						10.00		36	24	32	62	8	04	29.23	30.31	22	FEW	NC						4.00	BR	37	37	37	100	8	25	29.12	30.18		
SUNRISE: 0733										FEB 05		SUNSET: 1807						SUNRISE: 0728										FEB 11		SUNSET: 1813							
01	BKN	250						10.00		34	24	30	67	6	35	29.21	30.27	01	SCT	NC						10.00		35	32	34	89	5	27	29.14	30.19		
04	OVC	250						8.00		31	26	29	82	0	00	29.15	30.22	04	OVC	250						3.00	BR	32	32	32	100	0	00	29.14	30.19		
07	OVC	090						9.00		36	29	33	76	3	06	29.22	30.30	07	OVC	250						10.00		34	30	32	85	6	36	29.16	30.22		
10	OVC	060						7.00		37	33	35	86	8	05	29.21	30.27	10	OVC	200						8.00		37	32	35	82	3	03	29.19	30.25		
13	OVC	043						8.00		41	35	38	79	10	02	29.10	30.16	13	OVC	250						10.00		44	32	39	63	6	VR	29.17	30.23		
16	OVC	048						10.00		45	36	41	71	9	36	29.05	30.11	16	BKN	250						10.00		47	25	38	42	8	05	29.13	30.19		
19	OVC	055						10.00		44	39	42	83	3	33	29.03	30.09	19	OVC	200						10.00		43	25	36	49	7	04	29.13	30.19		
22	OVC	060						10.00		45	39	42	80	9	01	28.97	30.03	22	OVC	090						10.00		41	26	35	55	6	04	29.13	30.19		
SUNRISE: 0732										FEB 06		SUNSET: 1808						SUNRISE: 0727										FEB 12		SUNSET: 1814							
01	OVC	065						10.00		46	40	43	79	8	34	28.89	29.94	01	OVC	030						10.00	-RA	39	33	37	79	6	33	29.11	30.16		
04	OVC	048						3.00	-RA BR	45	45	45	100	5	29	28.90	29.95	04	OVC	016						2.00	-SN BR	33	33	33	100	5	06	29.12	30.18		
07	OVC	016						2.50	+RA BR	46	46	46	100	5	07	28.92	29.97	07	OVC	004						7.00	-RA	33	33	33	100	8	02	29.08	30.14		
10	OVC	028						2.00	-RA BR	48	48	48	100	9	15	28.88	29.92	10	OVC	005						1.25	-RA BR	34	34	34	100	3	04	29.12	30.18		
13	OVC	030																																			

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

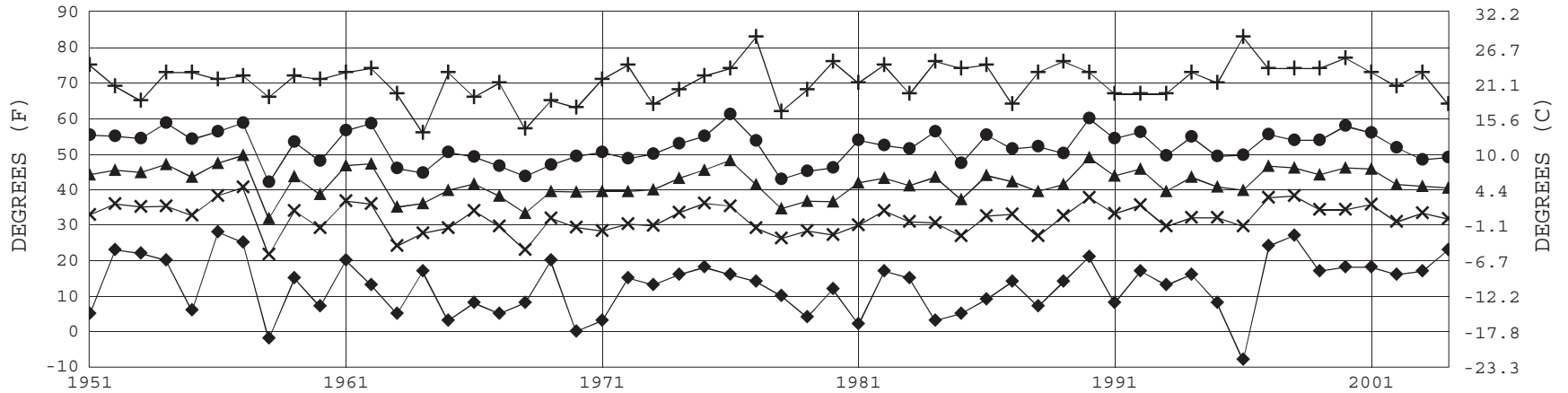
FEBRUARY 2004

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0726 FEB 13 SUNSET: 1815																													
01	OVC	041	6.00	BR	37	37	37	100	3	26	29.19	30.26	01	CLR	NC	10.00		33	24	30	70	6	25	29.20	30.26				
04	BKN	001	0.25	FG	33	33	33	100	0	00	29.20	30.26	04	CLR	NC	10.00		30	25	28	82	5	19	29.15	30.21				
07	VV	001	0.13	FG	32	32	32	100	0	00	29.22	30.29	07	CLR	NC	10.00		29	25	28	85	0	00	29.15	30.22				
10	OVC	015	3.00	BR	34	34	34	100	3	VR	29.25	30.33	10	FEW	NC	10.00		40	30	36	68	0	00	29.13	30.19				
13	SCT	NC	9.00		43	37	40	80	3	VR	29.21	30.28	13	SCT	NC	10.00		55	33	45	44	9	23	29.06	30.11				
16	BKN	250	10.00		48	31	41	52	3	VR	29.17	30.23	16	BKN	250	10.00		59	29	45	32	10	22	28.96	30.02				
19	OVC	250	10.00		44	30	38	58	5	29	29.15	30.21	19	SCT	NC	10.00		54	27	42	35	0	00	28.95	30.01				
22	OVC	250	10.00		41	33	38	74	0	00	29.15	30.21	22	CLR	NC	10.00		46	30	39	54	0	00	28.90	29.95				
SUNRISE: 0725 FEB 14 SUNSET: 1816																													
01	OVC	200	10.00		38	34	36	86	3	36	29.13	30.19	01	FEW	NC	10.00		38	31	35	76	0	00	28.87	29.92				
04	OVC	200	9.00		37	35	36	93	5	05	29.07	30.12	04	FEW	NC	10.00		39	29	35	67	0	00	28.87	29.91				
07	OVC	180	10.00		37	35	36	93	3	01	29.03	30.09	07	BKN	250	10.00		45	33	40	63	13	22	28.86	29.90				
10	OVC	250	10.00		40	34	37	79	0	00	29.03	30.09	10	OVC	038	10.00		53	43	48	69	31	21	28.83	29.87				
13	OVC	200	10.00		44	34	40	68	8	02	28.99	30.04	13	OVC	038	10.00		57	45	51	64	29	21	28.75	29.79				
16	OVC	200	10.00		49	34	42	57	3	VR	28.93	29.98	16	OVC	032	10.00		58	49	53	72	23	23	28.69	29.73				
19	BKN	200	10.00		45	29	38	54	6	05	28.90	29.96	19	OVC	080	10.00		57	50	53	78	18	22	28.70	29.73				
22	CLR	NC	10.00		41	31	37	67	5	05	28.90	29.96	22	SCT	NC	10.00		57	49	53	75	21	22	28.66	29.69				
SUNRISE: 0723 FEB 15 SUNSET: 1817																													
01	SCT	NC	10.00		37	32	35	82	7	02	28.87	29.92	01	BKN	031	9.00		53	51	52	93	14	28	28.70	29.73				
04	OVC	085	10.00		39	31	36	73	10	03	28.83	29.87	04	SCT	NC	9.00		46	38	42	73	12	29	28.79	29.82				
07	OVC	070	10.00	-RA	37	35	36	93	10	04	28.81	29.86	07	BKN	027	8.00		40	35	38	83	7	24	28.87	29.91				
10	BKN	055	7.00	-RA	40	35	38	83	14	04	28.77	29.82	10	BKN	034	10.00		43	32	38	65	14	26	28.92	29.97				
13	OVC	055	3.00	RA BR	40	38	39	93	15	04	28.76	29.81	13	SCT	NC	10.00		49	32	41	52	8	30	28.96	30.01				
16	OVC	012	2.50	RA BR	38	37	38	97	13	01	28.87	29.92	16	FEW	NC	10.00		51	31	42	46	13	30	28.95	29.99				
19	OVC	007	5.00	-SN BR	34	34	34	100	10	03	29.02	30.09	19	FEW	NC	10.00		45	31	39	58	7	29	29.02	30.07				
22	OVC	027	9.00		34	34	34	100	10	06	29.10	30.16	22	CLR	NC	10.00		40	30	36	68	9	02	29.09	30.14				
SUNRISE: 0722 FEB 16 SUNSET: 1818																													
01	OVC	029	5.00	BR	35	35	35	100	8	02	29.13	30.19	01	CLR	NC	10.00		34	28	32	79	5	06	29.09	30.15				
04	OVC	027	10.00		33	30	32	89	9	36	29.19	30.26	04	CLR	NC	9.00		33	27	31	78	6	02	29.09	30.14				
07	OVC	027	10.00		33	31	32	92	8	03	29.24	30.32	07	SCT	NC	6.00	BR	27	26	27	96	5	08	29.13	30.20				
10	OVC	023	10.00		35	32	34	89	8	02	29.31	30.39	10	BKN	200	10.00		38	30	35	73	10	04	29.16	30.22				
13	BKN	018	10.00		40	34	37	79	8	07	29.29	30.36	13	BKN	200	10.00		46	30	39	54	7	04	29.14	30.20				
16	OVC	027	10.00		43	34	39	71	6	36	29.26	30.33	16	SCT	NC	10.00		53	29	43	40	5	VR	29.09	30.15				
19	OVC	023	10.00		41	35	38	79	5	35	29.31	30.38	19	SCT	NC	10.00		49	28	40	45	5	04	29.09	30.15				
22	OVC	025	10.00		39	34	37	82	0	00	29.31	30.38	22	CLR	NC	10.00		40	30	36	68	0	00	29.12	30.17				
SUNRISE: 0721 FEB 17 SUNSET: 1819																													
01	OVC	042	4.00	BR	37	37	37	100	0	00	29.30	30.37	01	CLR	NC	9.00		34	31	33	89	0	00	29.10	30.16				
04	OVC	044	3.00	BR	37	37	37	100	0	00	29.30	30.37	04	SCT	NC	9.00		34	31	33	89	0	00	29.08	30.14				
07	OVC	040	3.00	BR	37	37	37	100	3	09	29.31	30.39	07	OVC	250	8.00		33	32	33	96	5	06	29.11	30.17				
10	OVC	034	2.00	BR	38	38	38	100	0	00	29.36	30.43	10	OVC	250	10.00		42	34	39	73	6	03	29.09	30.15				
13	OVC	017	4.00	BR	39	37	38	93	5	27	29.33	30.40	13	OVC	250	10.00		50	34	43	54	5	VR	29.08	30.13				
16	OVC	015	3.00	BR	38	36	37	93	0	00	29.31	30.38	16	OVC	075	10.00		52	34	44	50	3	24	29.02	30.08				
19	OVC	060	4.00	BR	38	34	36	86	3	26	29.32	30.40	19	OVC	075	10.00		51	34	43	52	5	31	29.02	30.07				
22	BKN	055	6.00	BR	35	33	34	93	3	18	29.34	30.42	22	OVC	090	10.00		47	37	42	69	0	00	28.98	30.03				
SUNRISE: 0720 FEB 18 SUNSET: 1820																													
01	BKN	055	5.00	BR	34	33	34	97	0	00	29.34	30.41	01	OVC	090	10.00		45	37	41	74	0	00	28.97	30.02				
04	CLR	NC	2.00	BR	31	31	31	100	0	00	29.31	30.39	04	OVC	055	10.00		45	39	42	80	0	00	28.91	29.96				
07	VV	001	0.13	FZFG	28	28	28	100	0	00	29.35	30.43	07	OVC	048	10.00		45	39	42	80	0	00	28.94	29.99				
10	BKN	003	2.00	BR	30	30	30	100	5	36	29.36	30.44	10	OVC	044	8.00		47	40	44	77	0	00	28.94	29.99				
13	CLR	NC	10.00		43	23	35	45	5	VR	29.35	30.42	13	OVC	033	3.00	-RA BR	47	45	46	93	5	07	28.94	29.98				
16	SCT	NC	10.00		47	23	38	39	0	00	29.24	30.31	16	OVC	055	10.00		50	42	46	74	13	04	28.86	29.90				
19	FEW	NC	10.00		42	23	35	47	5	19	29.22	30.29	19	OVC	040	10.00		48	42	45	80	9	04	28.90	29.95				
22	CLR	NC	10.00		37	25	32	62	3	16	29.20	30.27	22	OVC	055	9.00		46	42	44	86	10	04	28.94	29.98				

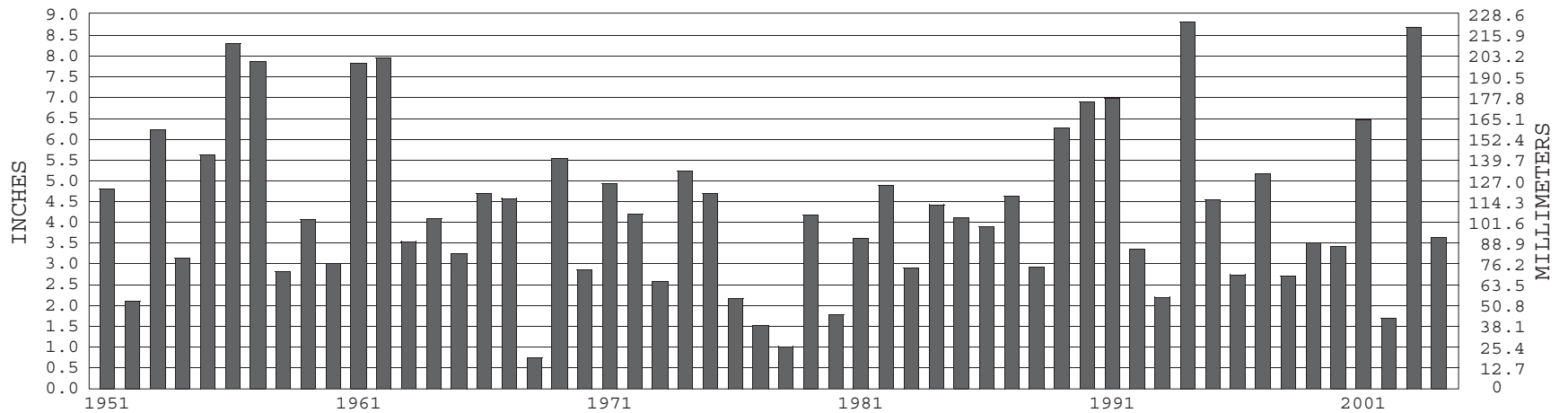
KNOXVILLE, TN FEBRUARY TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2004) Mean: 41.9 1971-2000 Normal: 41.8

KNOXVILLE, TN FEBRUARY PRECIPITATION



Long-Term (1951-2004) Mean Monthly Total: 4.33

1971-2000 Normal: 4.01



FEBRUARY 2004

KNOXVILLE, TN

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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