



# JANUARY 2000

## 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): 992 Feet  
 Time Zone: EASTERN WBAN: 13891 ISSN #:0198-4810

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			
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
01	66	39	53	16	48	50	12	0	BCFG BR	0		0.0	0.00	29.08	30.14	1.0	35	2.4	13	25	10	28	01	
02	69	39	54	18	50	53	11	0	FG+ BR HZ	0		0.0	0.00	29.06	30.12	8.4	23	10.2	36	22	31	23	02	
03	74*	54	64*	28	56	59	1	0	RA	0		0.0	0.02	28.93	29.97	8.4	21	9.8	40	23	33*	22	03	
04	68	35	52	16	46	48	13	0	RA BR	0		0.0	0.80	28.86	29.91	13.6	26	15.3	41*	22	31	20	04	
05	40	27	34	-2	24	30	31	0	SN	0		T	T	29.25	30.33	4.9	01	7.5	22	27	18	28	05	
06	49	22	36	0	27	31	29	0		0		0.0	0.00	29.31	30.41	0.2	25	.6	9	25	7	27	06	
07	52	26	39	3	28	34	26	0		0		0.0	0.00	29.33	30.42	1.5	05	2.2	11	32	9	32	07	
08	44	25	35	-1	29	33	30	0		0		0.0	0.00	29.20	30.28	2.1	04	3.1	10	01	9	01	08	
09	45	37	41	5	40	41	24	0	TSRA RA FG+ BR	0		0.0	1.30	28.90	29.96	2.7	06	3.7	14	10	11	10	09	
10	58	42	50	14	40	46	15	0	TSRA RA FG+ BR	0		0.0	0.90	28.72	29.77	10.6	24	13.9	37	24	29	25	10	
11	60	38	49	13	29	41	16	0		0		0.0	0.00	28.95	30.01	9.7	24	10.3	26	27	23	24	11	
12	60	28	44	8	34	41	21	0		0		0.0	0.00	29.06	30.12	2.3	28	4.2	16	28	14	28	12	
13	62	34	48	12	38	45	17	0	RA BR	0		0.0	0.25	29.16	30.22	9.8	28	15.2	37	22	31	24	13	
14	38	25	32	-4	16	27	33	0		0		0.0	0.00	29.59	30.69	4.6	01	5.9	23	01	18	02	14	
15	54	19	37	2	19	30	28	0		0		0.0	0.00	29.46	30.55	6.6	24	7.4	24	24	21	24	15	
16	49	46	48	13	40	45	17	0	RA BR	0		0.0	0.04	29.29	30.36	10.2	24	10.3	25	24	21	23	16	
17	46	34	40	5	27	35	25	0	RA PL FG+ BR	0		T	0.09	29.26	30.34	8.9	04	9.2	23	07	20	05	17	
18	43	32	38	2	37	37	27	0	RA DZ FZRA BR	0		0.0	0.46	28.99	30.07	1.7	30	5.2	15	01	13	01	18	
19	43	30	37	1	33	35	28	0	RA DZ PL BR	0		T	0.31	28.89	29.96	1.9	05	3.7	13	04	11	06	19	
20	43	24	34	-2	26	31	31	0	RA DZ SN PL BR	0		T	0.01	28.85	29.92	10.8	29	11.8	30	27	24	28	20	
21	31	14	23	-13	9	19	42	0		0		0.0	0.00	29.12	30.22	2.3	26	4.2	15	23	11	31	21	
22	28	20	24	-12	22	24	41	0	RA FZRA SN PL FG FZFG BR	2		2.0	0.28	29.03	30.12	4.7	05	4.9	15	04	13	05	22	
23	34	28	31	-5	32	32	34	0	RA FZRA BR	2		T	0.05	28.93	30.01	4.9	04	5.4	10	03	9	02	23	
24	36	25	31	-5	29	31	34	0	BR	1		0.0	0.00	28.94	30.02	10.7	01	10.9	24	02	20	02	24	
25	29	15	22	-14	12	20	43	0	SN BR	T		T	T	28.84	29.93	4.6	32	6.7	18	27	15	29	25	
26	29	19	24	-12	12	20	41	0	SN	0		T	T	29.05	30.15	6.8	33	7.9	21	36	16	36	26	
27	31	13*	22*	-14	10	19	43	0		0		0.0	0.00	29.30	30.41	6.6	03	7.2	16	04	14	05	27	
28	39	20	30	-6	13	24	35	0	SN PL	0		T	T	29.38	30.49	7.9	05	8.1	20	05	17	05	28	
29	35	33	34	-2	30	33	31	0	RA DZ SN PL BR	0		T	0.62	29.24	30.32	3.6	03	4.3	11	04	10	04	29	
30	38	30	34	-3	33	34	31	0	RA DZ SN BR	0		T	0.01	29.11	30.20	7.4	25	8.0	18	27	16	29	30	
31	32	25	29	-8	22	26	36	0	SN	0		T	T	29.11	30.20	8.0	25	8.8	20	29	16	29	31	

46.0	29.0	37.5	■ ■	29.4	34.7	27.3	0.0	< MONTHLY AVERAGES	TOTALS-->	2.0	5.14	29.10	30.18	2.5	29	7.4	<-- MONTHLY AVERAGES			
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0.1	3.0	1.5	■ ■	<----- DEPARTURE FROM NORMAL ----->						0.97	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
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<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION: 2.20 DATE :09-10				SEA LEVEL PRESSURE DATE TIME					
MONTHLY TOTAL DEPARTURE				SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: 2.0 DATE :22				MAXIMUM : 30.79 14 1053					
HEATING: 846 -53				2133 -283				GREATEST SNOW DEPTH: 2 DATE :23+				MINIMUM : 29.62 20 0153					
COOLING: 0 0				0 0				NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 20		PRECIPITATION ≥ 0.01 INCH : 14			
										MAXIMUM TEMP ≤ 32 : 6		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 8			
										THUNDERSTORMS : 2		HEAVY FOG : 4		SNOWFALL ≥ 1.0 INCH : 1			

JANUARY 2000  
KNOXVILLE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## KNOXVILLE, TN

JANUARY 2000

TYS

WBAN # 13891

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01		0.00		
02													02												02		0.00		
03													03												03		0.02		
04	0.05	0.07	0.07	0.19	0.07	0.10	0.11	0.12	0.01	T			04											04	0.01	0.80			
05				T	T				0.02				05											05		T			
06													06											06		0.00			
07													07											07		0.00			
08													08											08		0.00			
09	T	T	T	T		0.07	0.16	0.32		0.16	0.35	0.12	09		0.01									09	1.19	1.30			
10		0.03	0.15	0.44	0.18	0.10	T						10											10		0.90			
11													11											11		0.00			
12													12											12		0.00			
13						0.22	0.03						13											13		0.25			
14													14											14		0.00			
15													15											15		0.00			
16													16	T				0.01		0.01				16		0.04			
17								T	T		T	0.02	17						T	0.01	0.01	0.01	0.05	17	0.08	0.09			
18	0.06	0.01	0.11	0.17	0.06	0.05	T	T	T	0.01	T	T	18	T									18	0.47	0.46				
19													19					T	0.04	0.03	0.08	0.13	0.03	19		0.31			
20	0.01	T	T		T	T	T		T	T	T	T	20	T		T	T						20		0.01				
21													21											21		0.00			
22													22		T	0.02	0.04	0.06	0.04	0.01	0.01	0.03	0.02	0.01	22		0.28		
23	T	0.01	0.01	0.01	0.01	T	T	T	0.01	T	T	T	23	T										23		0.05			
24													24											24		0.00			
25													25				T	T	T	T	T	T	T	25		T			
26	T				T	T	T				T		26											26		T			
27													27				T							27		0.00			
28													28											28		T			
29		T	T	T	T		T	T	0.02	0.05	0.06	0.01	29	T	0.03	0.17	0.07	0.06	0.12	0.03	T	T	T	29		0.62			
30	T	T	T	T	0.01	T	T	T	T	T	T	T	30	T	T	T								30		0.01			
31	T	T	T	T	T				T	T	T	T	31	T										31		T			

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

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 1961 – 1990

### 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 JANUARY 2000

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							4.00	10.00	
02							<.25	10.00	
03							7.00	10.00	
04							2.00	10.00	
05							9.00	10.00	
06							7.00	10.00	
07							7.00	10.00	
08							9.00	10.00	
09							.25	10.00	
10							.25	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							2.50	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							1.00	10.00	
17							.25	10.00	
18							1.00	10.00	
19							2.00	10.00	
20							1.50	10.00	
21							10.00	10.00	
22							.50	10.00	
23							1.00	6.00	
24							5.00	10.00	
25							.75	10.00	
26							7.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							1.75	10.00	
30							1.00	10.00	
31							7.00	10.00	
MONTHLY AVGS							4.94	9.87	
<b>SUNSHINE (MINUTES)</b>									
Total:					Possible:				
					Percent Possible:				
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR			PTLY CLDY		CLOUDY		MISSING		
31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25			<=3.0			>=7.0			
4			14			14			

# OBSERVATIONS AT 3-HOURLY INTERVALS

# KNOXVILLE, TN

JANUARY 2000

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)						
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	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	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION
SUNRISE: 0746				JAN 01				SUNSET: 1733				SUNRISE: 0746				JAN 07				SUNSET: 1738								
01	CLR	NC		6.00	BR	JAN	40	40	40	100	0	00	29.06	30.11	01	CLR	NC		10.00	31	27	29	85	0	00	29.30	30.38	
04	BKN	085		4.00	BR		40	40	40	100	0	00	29.09	30.14	04	SCT	NC		7.00	28	27	28	96	0	00	29.33	30.42	
07	OVC	090		6.00	BR		41	41	41	100	0	00	29.10	30.16	07	CLR	NC		9.00	29	27	28	92	0	00	29.34	30.42	
10	SCT	NC		8.00			49	46	47	90	6	34	29.14	30.20	10	CLR	NC		9.00	35	32	34	89	0	00	29.39	30.48	
13	CLR	NC		10.00			60	53	56	78	6	VR	29.10	30.16	13	CLR	NC		10.00	49	29	40	46	0	00	29.35	30.43	
16	SCT	NC		10.00			64	56	59	75	3	VR	29.05	30.11	16	CLR	NC		10.00	51	30	42	45	6	04	29.31	30.39	
19	BKN	060		10.00			58	56	57	93	0	00	29.08	30.14	19	CLR	NC		10.00	45	27	38	49	5	04	29.31	30.40	
22	SCT	NC		6.00	BR		52	52	52	100	0	00	29.09	30.14	22	CLR	NC		10.00	34	28	32	79	3	06	29.32	30.41	
SUNRISE: 0746				JAN 02				SUNSET: 1734				SUNRISE: 0746				JAN 08				SUNSET: 1739								
01	SCT	NC		4.00	BR		51	51	51	100	10	27	29.08	30.13	01	CLR	NC		10.00	30	26	29	85	5	32	29.30	30.37	
04	FEW	NC		4.00	BR		42	42	42	100	3	05	29.08	30.13	04	SCT	NC		10.00	30	25	28	82	0	00	29.29	30.37	
07	SCT	NC		1.25	BR		44	44	44	100	6	06	29.08	30.13	07	CLR	NC		10.00	28	25	27	88	3	02	29.26	30.35	
10	SCT	NC		0.75	BR		42	42	42	100	0	00	29.11	30.17	10	SCT	NC		10.00	32	29	31	88	3	34	29.27	30.35	
13	SCT	NC		10.00			68	54	60	61	29	22	29.07	30.11	13	CLR	NC		10.00	39	29	35	67	0	00	29.21	30.29	
16	BKN	046		10.00			66	55	60	68	15	22	29.05	30.10	16	BKN	085		10.00	43	32	38	65	3	07	29.14	30.22	
19	OVC	050		10.00			64	55	59	73	12	21	29.05	30.10	19	OVC	075		10.00	42	30	37	62	6	35	29.09	30.17	
22	BKN	060		10.00			60	55	57	84	12	22	29.05	30.11	22	BKN	120		10.00	40	32	37	73	0	00	29.10	30.17	
SUNRISE: 0746				JAN 03				SUNSET: 1734				SUNRISE: 0746				JAN 09				SUNSET: 1740								
01	OVC	060		10.00			59	56	57	90	7	28	29.02	30.06	01	OVC	036		10.00	-RA	40	33	37	77	3	35	29.05	30.12
04	OVC	070		10.00			59	56	57	90	5	28	29.01	30.05	04	OVC	038		10.00	40	35	38	83	5	08	28.99	30.06	
07	OVC	075		10.00			55	54	54	96	0	00	29.01	30.06	07	OVC	023		3.00	+RA BR	38	38	38	100	5	12	28.94	30.01
10	OVC	060		10.00			59	57	58	93	0	00	29.02	30.07	10	OVC	004		1.50	+TSRA BR	38	38	38	100	7	36	28.95	30.01
13	SCT	NC		10.00			71	58	63	63	26	21	28.93	29.97	13	OVC	002		1.50	-RA BR	41	41	41	100	0	00	28.89	29.96
16	SCT	NC		10.00			73	55	62	53	16	20	28.86	29.90	16	OVC	005		3.00	BR	44	44	44	100	6	36	28.84	29.90
19	CLR	NC		10.00			66	55	60	68	8	18	28.86	29.90	19	OVC	005		3.00	BR	45	45	45	100	5	07	28.83	29.90
22	BKN	100		10.00			69	57	62	66	15	20	28.82	29.85	22	OVC	002		0.25	FG	44	44	44	100	5	09	28.79	29.86
SUNRISE: 0746				JAN 04				SUNSET: 1735				SUNRISE: 0746				JAN 10				SUNSET: 1740								
01	OVC	075		6.00	-RA BR		62	60	61	93	12	20	28.75	29.78	01	VV	001		0.25	FG	43	42	43	97	6	36	28.70	29.75
04	OVC	033		9.00	-RA		59	59	59	100	9	22	28.73	29.76	04	OVC	027		0.75	+RA BR	43	41	42	93	8	05	28.64	29.69
07	OVC	025		6.00	RA BR		55	55	55	100	8	23	28.75	29.78	07	BKN	055		10.00		51	51	51	100	8	22	28.61	29.65
10	OVC	050		10.00			54	48	51	80	13	25	28.82	29.86	10	FEW	NC		10.00		55	51	53	87	22	24	28.70	29.75
13	SCT	NC		10.00			54	44	49	69	14	26	28.83	29.88	13	FEW	NC		10.00		57	36	47	45	16	27	28.72	29.76
16	BKN	080		10.00			49	42	46	77	17	30	28.86	29.91	16	FEW	NC		10.00		57	32	46	39	20	26	28.75	29.80
19	OVC	055		10.00			41	36	39	82	16	27	28.98	30.04	19	CLR	NC		10.00		48	34	42	58	10	23	28.81	29.86
22	OVC	060		10.00			37	31	35	79	18	29	29.07	30.13	22	CLR	NC		10.00		50	33	42	52	13	21	28.81	29.86
SUNRISE: 0746				JAN 05				SUNSET: 1736				SUNRISE: 0746				JAN 11				SUNSET: 1741								
01	OVC	026		10.00			34	28	32	79	13	28	29.14	30.21	01	CLR	NC		10.00		47	33	41	59	14	23	28.82	29.87
04	OVC	024		9.00	-SN		32	24	29	73	9	31	29.20	30.28	04	CLR	NC		10.00		45	35	41	68	13	22	28.84	29.89
07	OVC	037		10.00			31	23	28	72	7	02	29.24	30.33	07	CLR	NC		10.00		46	36	42	68	15	24	28.86	29.92
10	SCT	NC		10.00			31	22	28	69	13	04	29.30	30.39	10	CLR	NC		10.00		53	38	46	57	17	23	28.92	29.98
13	FEW	NC		10.00			35	25	31	67	6	09	29.29	30.37	13	CLR	NC		10.00		58	27	44	31	10	29	28.94	30.00
16	CLR	NC		10.00			40	25	34	55	10	03	29.24	30.32	16	CLR	NC		10.00		60	22	44	23	13	26	28.99	30.04
19	CLR	NC		10.00			35	24	31	64	5	01	29.25	30.34	19	CLR	NC		10.00		50	18	38	28	7	26	29.07	30.13
22	CLR	NC		10.00			32	24	29	73	5	02	29.25	30.34	22	CLR	NC		10.00		43	24	36	47	0	00	29.10	30.16
SUNRISE: 0746				JAN 06				SUNSET: 1737				SUNRISE: 0746				JAN 12				SUNSET: 1742								
01	CLR	NC		10.00			28	24	27	85	3	24	29.27	30.36	01	CLR	NC		10.00		34	27	31	76	5	05	29.10	30.16
04	CLR	NC		9.00			25	23	24	92	3	05	29.32	30.41	04	CLR	NC		10.00		33	26	30	75	6	05	29.12	30.19
07	CLR	NC		9.00			24	23	24	96	0	00	29.35	30.44	07	CLR	NC		10.00		33	25	30	72	7	01	29.11	30.18
10	CLR	NC		9.00			30	26	29	85	0	00	29.38	30.47	10	CLR	NC		10.00		38	29	34	70	3	07	29.13	30.21
13	CLR	NC		10.00			43	29	37	58	0	00	29.33	30.42	13	FEW	NC		10.00		54	31	44	42	6	27	29.07	30.14
16	CLR	NC		10.00			48	28	40	46	5	29	29.28	30.36	16	CLR	NC		10.00		60	39	50	46	5	27	29.00	30.06
19	CLR	NC		10.00			43	28	37	56	0	00	29.28	30.37	19	CLR	NC		10.00		54	44	49	69	0	00	29.00	30.06
22	FEW	NC		10.00			35	30	33	82	0	00	29.30	30.39	22	CLR	NC		10.00		51	46	49	83	8	27	28.98	30.05

# OBSERVATIONS AT 3-HOURLY INTERVALS

# KNOXVILLE, TN

JANUARY 2000

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0746				JAN 13				SUNSET: 1743				SUNRISE: 0744				JAN 19				SUNSET: 1749			
01	OVC	036	10.00	58	49	53	72	16	23	29.00	30.05	01	BKN	016	9.00	33	33	33	100	6	22	29.06	30.13
04	BKN	100	10.00	59	51	55	75	14	23	28.91	29.95	04	OVC	021	8.00	34	34	34	100	5	07	29.07	30.14
07	OVC	060	10.00	54	54	54	100	10	23	28.99	30.04	07	SCT	NC	8.00	32	32	32	100	0	00	29.06	30.13
10	FEW	NC	10.00	56	49	52	77	14	28	29.10	30.15	10	FEW	NC	10.00	33	29	31	85	7	03	29.04	30.12
13	FEW	NC	10.00	56	35	46	46	15	27	29.12	30.18	13	SCT	NC	10.00	41	30	36	65	6	04	28.91	29.98
16	SCT	NC	10.00	53	24	41	32	13	29	29.20	30.26	16	OVC	090	10.00	42	31	37	65	3	29	28.82	29.89
19	FEW	NC	10.00	40	26	35	58	20	36	29.36	30.44	19	OVC	065	10.00	40	34	37	79	3	26	28.74	29.80
22	SCT	NC	10.00	35	21	30	57	10	36	29.44	30.53	22	OVC	003	2.00	37	37	37	100	6	02	28.64	29.70
SUNRISE: 0746				JAN 14				SUNSET: 1744				SUNRISE: 0744				JAN 20				SUNSET: 1750			
01	OVC	049	10.00	34	19	29	54	7	35	29.46	30.55	01	OVC	004	2.50	37	37	37	100	5	22	28.57	29.63
04	BKN	047	10.00	32	20	28	61	10	36	29.52	30.61	04	OVC	028	10.00	42	41	42	96	9	23	28.62	29.67
07	FEW	NC	10.00	29	16	25	58	8	36	29.60	30.70	07	OVC	035	10.00	38	33	36	83	17	27	28.73	29.78
10	FEW	NC	10.00	30	16	26	56	10	01	29.67	30.78	10	OVC	021	1.50	33	32	33	96	13	29	28.84	29.92
13	CLR	NC	10.00	34	15	28	46	0	00	29.63	30.73	13	BKN	037	10.00	35	27	32	72	16	29	28.88	29.95
16	CLR	NC	10.00	38	13	30	36	5	29	29.61	30.71	16	BKN	047	9.00	33	23	29	67	13	29	28.94	30.01
19	CLR	NC	10.00	34	14	28	44	3	18	29.61	30.71	19	BKN	045	10.00	29	16	25	58	10	30	29.02	30.10
22	CLR	NC	10.00	28	18	25	66	0	00	29.59	30.70	22	BKN	041	10.00	26	13	22	57	6	35	29.05	30.13
SUNRISE: 0745				JAN 15				SUNSET: 1745				SUNRISE: 0743				JAN 21				SUNSET: 1751			
01	CLR	NC	10.00	26	18	23	71	0	00	29.55	30.65	01	CLR	NC	10.00	22	12	19	66	7	29	29.05	30.14
04	CLR	NC	10.00	21	18	20	88	0	00	29.54	30.64	04	CLR	NC	10.00	19	9	16	65	6	30	29.09	30.18
07	CLR	NC	10.00	22	18	21	85	0	00	29.53	30.64	07	CLR	NC	10.00	16	9	14	74	3	26	29.11	30.22
10	FEW	NC	10.00	28	20	25	72	0	00	29.54	30.65	10	FEW	NC	10.00	19	7	16	59	3	22	29.16	30.27
13	BKN	095	10.00	47	20	37	34	13	23	29.45	30.55	13	CLR	NC	10.00	26	8	21	46	3	VR	29.16	30.26
16	BKN	095	10.00	53	18	39	25	16	23	29.38	30.46	16	CLR	NC	10.00	30	6	23	36	3	VR	29.11	30.20
19	CLR	NC	10.00	48	19	37	32	9	24	29.36	30.45	19	CLR	NC	10.00	26	9	21	48	6	19	29.11	30.22
22	CLR	NC	10.00	47	18	36	31	13	25	29.36	30.44	22	CLR	NC	10.00	23	13	20	65	3	07	29.11	30.21
SUNRISE: 0745				JAN 16				SUNSET: 1746				SUNRISE: 0743				JAN 22				SUNSET: 1752			
01	CLR	NC	10.00	48	17	37	29	12	25	29.33	30.40	01	CLR	NC	10.00	20	15	19	81	3	07	29.10	30.19
04	BKN	085	10.00	47	21	37	36	15	24	29.31	30.38	04	BKN	110	10.00	23	17	21	78	0	00	29.11	30.20
07	OVC	050	10.00	48	38	43	68	16	24	29.32	30.39	07	OVC	080	10.00	24	14	21	65	9	04	29.09	30.18
10	OVC	026	10.00	47	45	46	93	10	23	29.33	30.40	10	OVC	009	1.50	22	21	22	96	6	03	29.11	30.21
13	OVC	010	10.00	47	47	47	100	10	25	29.28	30.35	13	BKN	055	10.00	25	23	24	92	6	04	29.02	30.11
16	OVC	010	10.00	49	49	49	100	7	21	29.23	30.30	16	OVC	007	0.50	26	26	26	100	0	00	28.95	30.04
19	OVC	003	1.00	47	47	47	100	8	23	29.25	30.32	19	OVC	009	1.50	26	26	26	100	5	07	28.94	30.03
22	OVC	010	2.50	48	47	47	96	0	00	29.27	30.34	22	OVC	003	1.25	27	27	27	100	5	04	28.97	30.06
SUNRISE: 0745				JAN 17				SUNSET: 1747				SUNRISE: 0742				JAN 23				SUNSET: 1753			
01	OVC	005	0.25	46	46	46	100	3	01	29.27	30.34	01	OVC	003	1.00	28	28	28	100	3	05	28.95	30.03
04	CLR	NC	10.00	40	38	39	93	9	36	29.28	30.35	04	OVC	003	1.50	29	29	29	100	3	04	28.92	30.01
07	FEW	NC	10.00	35	32	34	89	10	04	29.34	30.42	07	OVC	014	3.00	30	30	30	100	9	02	28.91	29.99
10	CLR	NC	10.00	38	25	33	60	13	06	29.37	30.45	10	OVC	016	6.00	31	31	31	100	5	06	28.93	30.01
13	SCT	NC	10.00	43	11	32	27	13	05	29.31	30.39	13	OVC	005	3.00	32	32	32	100	5	02	28.94	30.01
16	SCT	NC	10.00	44	16	34	32	10	04	29.23	30.30	16	OVC	012	4.00	34	34	34	100	7	01	28.92	30.00
19	OVC	085	10.00	41	19	33	41	7	05	29.21	30.29	19	OVC	018	3.00	34	34	34	100	6	05	28.93	30.01
22	OVC	050	10.00	37	31	35	79	5	05	29.12	30.20	22	OVC	018	3.00	34	34	34	100	6	35	28.96	30.04
SUNRISE: 0744				JAN 18				SUNSET: 1748				SUNRISE: 0742				JAN 24				SUNSET: 1754			
01	OVC	015	7.00	33	33	33	100	5	05	29.05	30.12	01	OVC	018	5.00	34	34	34	100	0	00	28.96	30.03
04	OVC	017	4.00	32	32	32	100	8	09	28.97	30.04	04	OVC	024	10.00	34	34	34	100	12	02	28.93	30.00
07	OVC	009	5.00	34	34	34	100	3	01	28.94	30.01	07	OVC	024	10.00	34	32	33	92	12	36	28.95	30.03
10	OVC	004	1.00	36	36	36	100	7	35	28.97	30.04	10	OVC	014	8.00	32	30	31	92	17	02	28.98	30.05
13	OVC	002	2.00	39	39	39	100	0	00	28.96	30.03	13	OVC	029	10.00	34	30	32	85	14	02	28.96	30.03
16	OVC	015	10.00	43	42	43	97	9	28	28.97	30.04	16	OVC	025	10.00	35	31	33	85	10	35	28.93	30.01
19	OVC	110	9.00	39	38	39	96	10	28	29.01	30.08	19	SCT	NC	10.00	29	25	28	85	13	36	28.92	29.99
22	OVC	014	9.00	37	36	37	96	6	27	29.07	30.14	22	OVC	031	10.00	28	21	26	75	8	36	28.93	30.01

# OBSERVATIONS AT 3-HOURLY INTERVALS

# KNOXVILLE, TN

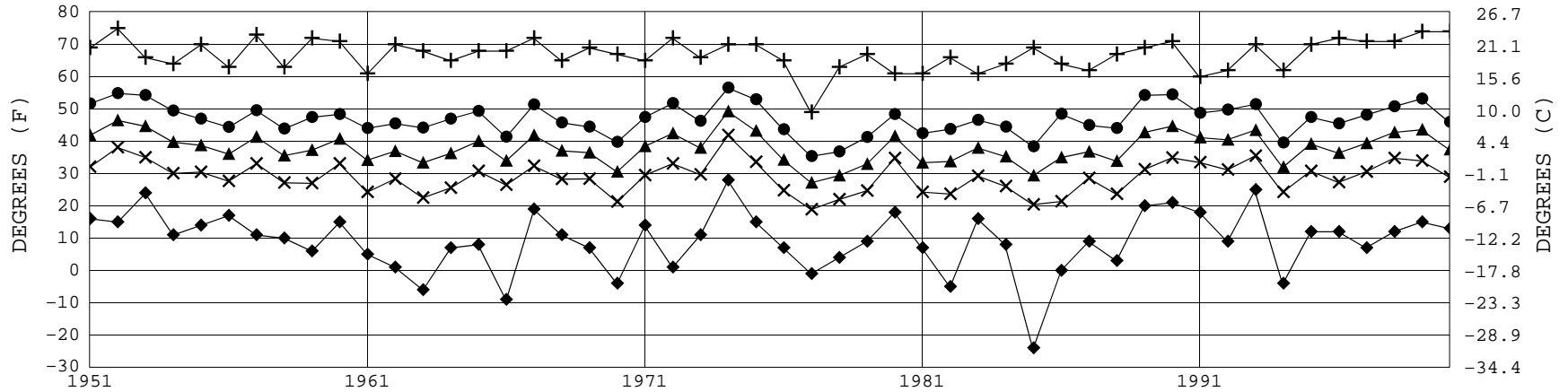
JANUARY 2000

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)																																																																																																																																																																																																																																																																																																																																																															
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																														
SUNRISE: 0741				JAN 25				SUNSET: 1755				SUNRISE: 0737				JAN 31				SUNSET: 1802																																																																																																																																																																																																																																																																																																																																																																	
01	OVC	025		23	13	20	65	7	36	28.88	29.96	01	OVC	024		29	22	27	75	12	28	29.11	30.19																																																																																																																																																																																																																																																																																																																																																														
04	CLR	NC		19	10	17	68	5	35	28.85	29.94	04	OVC	032		27	19	24	72	8	29	29.09	30.17																																																																																																																																																																																																																																																																																																																																																														
07	CLR	NC		16	9	14	74	7	04	28.85	29.94	07	OVC	040		26	19	24	75	7	25	29.11	30.21																																																																																																																																																																																																																																																																																																																																																														
10	FEW	NC		21	8	18	57	6	36	28.86	29.95	10	BKN	043		28	21	26	75	9	24	29.17	30.26																																																																																																																																																																																																																																																																																																																																																														
13	BKN	120		26	7	21	44	5	27	28.79	29.88	13	BKN	043		31	22	28	69	7	27	29.11	30.20																																																																																																																																																																																																																																																																																																																																																														
16	OVC	048		28	12	23	51	9	26	28.78	29.86	16	OVC	035		32	22	28	66	9	27	29.08	30.16																																																																																																																																																																																																																																																																																																																																																														
19	OVC	039		27	19	24	72	13	28	28.83	29.93	19	OVC	035		29	24	27	82	7	23	29.10	30.18																																																																																																																																																																																																																																																																																																																																																														
22	OVC	060		24	15	21	68	10	32	28.89	29.98	22	BKN	033		29	24	27	82	9	20	29.11	30.19																																																																																																																																																																																																																																																																																																																																																														
SUNRISE: 0741				JAN 26				SUNSET: 1756				3-HOURLY OBSERVATION NOTES																																																																																																																																																																																																																																																																																																																																																																									
01	OVC	060		22	16	20	78	8	31	28.91	30.00	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.																																																																																																																																																																																																																																																																																																																																																																									
04	OVC	055		21	18	20	88	7	28	28.93	30.02	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																																																																																																																																																																																																																																																																																																																																																																									
07	OVC	033		21	15	19	78	7	30	28.98	30.07	NC= No ceiling detected.																																																																																																																																																																																																																																																																																																																																																																									
10	BKN	047		21	14	19	74	5	VR	29.06	30.15	& = Original observation contained additional weather elements.																																																																																																																																																																																																																																																																																																																																																																									
13	BKN	038		26	11	22	53	7	32	29.06	30.14	See page 3 for additional notes.																																																																																																																																																																																																																																																																																																																																																																									
16	OVC	040		26	10	21	51	12	34	29.08	30.16	SUMMARY BY HOUR																																																																																																																																																																																																																																																																																																																																																																									
19	OVC	050		25	10	21	53	7	36	29.12	30.23	<table border="1"> <thead> <tr> <th rowspan="3">HOUR (LST)</th> <th colspan="11">AVERAGES</th> <th colspan="2">RESULTANT WIND (MPH)</th> </tr> <tr> <th rowspan="2">CEILOMETER</th> <th rowspan="2">EFF CLD AMT</th> <th rowspan="2">DRY BULB</th> <th rowspan="2">DEW POINT</th> <th rowspan="2">WET BULB</th> <th rowspan="2">RELATIVE HUMIDITY</th> <th colspan="2">PRESSURE (INCHES, HG)</th> <th rowspan="2">VISIBILITY (MILES)</th> <th rowspan="2">WIND SPEED (MPH)</th> <th rowspan="2">SPEED</th> <th rowspan="2">DIRECTION</th> </tr> <tr> <th>STATION</th> <th>SEA LEVEL</th> </tr> </thead> <tbody> <tr><td>01</td><td></td><td></td><td>36</td><td>29</td><td>33</td><td>80</td><td>29.09</td><td>30.17</td><td>7.84</td><td>6</td><td>3</td><td>29</td></tr> <tr><td>02</td><td></td><td></td><td>35</td><td>29</td><td>33</td><td>81</td><td>29.09</td><td>30.16</td><td>8.55</td><td>7</td><td>2</td><td>29</td></tr> <tr><td>03</td><td></td><td></td><td>35</td><td>29</td><td>33</td><td>82</td><td>29.09</td><td>30.16</td><td>8.43</td><td>7</td><td>2</td><td>29</td></tr> <tr><td>04</td><td></td><td></td><td>34</td><td>29</td><td>32</td><td>82</td><td>29.09</td><td>30.16</td><td>8.25</td><td>6</td><td>1</td><td>33</td></tr> <tr><td>05</td><td></td><td></td><td>35</td><td>29</td><td>33</td><td>83</td><td>29.09</td><td>30.16</td><td>8.35</td><td>8</td><td>2</td><td>31</td></tr> <tr><td>06</td><td></td><td></td><td>34</td><td>29</td><td>32</td><td>85</td><td>29.10</td><td>30.17</td><td>7.94</td><td>7</td><td>2</td><td>31</td></tr> <tr><td>07</td><td></td><td></td><td>34</td><td>29</td><td>32</td><td>85</td><td>29.11</td><td>30.18</td><td>8.49</td><td>6</td><td>2</td><td>32</td></tr> <tr><td>08</td><td></td><td></td><td>33</td><td>29</td><td>32</td><td>87</td><td>29.12</td><td>30.19</td><td>8.34</td><td>6</td><td>2</td><td>31</td></tr> <tr><td>09</td><td></td><td></td><td>34</td><td>30</td><td>33</td><td>85</td><td>29.13</td><td>30.21</td><td>7.76</td><td>7</td><td>2</td><td>32</td></tr> <tr><td>10</td><td></td><td></td><td>36</td><td>30</td><td>34</td><td>81</td><td>29.14</td><td>30.22</td><td>7.85</td><td>8</td><td>3</td><td>33</td></tr> <tr><td>11</td><td></td><td></td><td>38</td><td>30</td><td>35</td><td>76</td><td>29.15</td><td>30.23</td><td>8.25</td><td>7</td><td>2</td><td>31</td></tr> <tr><td>12</td><td></td><td></td><td>40</td><td>30</td><td>36</td><td>70</td><td>29.14</td><td>30.21</td><td>8.47</td><td>9</td><td>3</td><td>28</td></tr> <tr><td>13</td><td></td><td></td><td>42</td><td>29</td><td>37</td><td>65</td><td>29.11</td><td>30.18</td><td>8.98</td><td>8</td><td>4</td><td>27</td></tr> <tr><td>14</td><td></td><td></td><td>43</td><td>29</td><td>38</td><td>62</td><td>29.09</td><td>30.16</td><td>8.58</td><td>9</td><td>4</td><td>27</td></tr> <tr><td>15</td><td></td><td></td><td>44</td><td>29</td><td>38</td><td>62</td><td>29.07</td><td>30.15</td><td>8.74</td><td>9</td><td>4</td><td>27</td></tr> <tr><td>16</td><td></td><td></td><td>44</td><td>29</td><td>38</td><td>62</td><td>29.08</td><td>30.15</td><td>8.98</td><td>9</td><td>4</td><td>29</td></tr> <tr><td>17</td><td></td><td></td><td>43</td><td>29</td><td>38</td><td>63</td><td>29.08</td><td>30.16</td><td>9.13</td><td>8</td><td>3</td><td>28</td></tr> <tr><td>18</td><td></td><td></td><td>41</td><td>29</td><td>36</td><td>66</td><td>29.09</td><td>30.17</td><td>8.73</td><td>7</td><td>3</td><td>29</td></tr> <tr><td>19</td><td></td><td></td><td>40</td><td>29</td><td>36</td><td>69</td><td>29.10</td><td>30.18</td><td>8.73</td><td>7</td><td>3</td><td>29</td></tr> <tr><td>20</td><td></td><td></td><td>39</td><td>29</td><td>35</td><td>71</td><td>29.11</td><td>30.18</td><td>8.35</td><td>7</td><td>2</td><td>29</td></tr> <tr><td>21</td><td></td><td></td><td>38</td><td>29</td><td>35</td><td>74</td><td>29.11</td><td>30.18</td><td>8.15</td><td>7</td><td>2</td><td>30</td></tr> <tr><td>22</td><td></td><td></td><td>37</td><td>29</td><td>34</td><td>76</td><td>29.11</td><td>30.19</td><td>8.26</td><td>6</td><td>2</td><td>30</td></tr> <tr><td>23</td><td></td><td></td><td>37</td><td>28</td><td>34</td><td>74</td><td>29.11</td><td>30.18</td><td>8.23</td><td>6</td><td>2</td><td>28</td></tr> <tr><td>24</td><td></td><td></td><td>36</td><td>29</td><td>33</td><td>77</td><td>29.10</td><td>30.18</td><td>7.89</td><td>6</td><td>3</td><td>29</td></tr> </tbody> </table>																						HOUR (LST)	AVERAGES											RESULTANT WIND (MPH)		CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION	STATION	SEA LEVEL	01			36	29	33	80	29.09	30.17	7.84	6	3	29	02			35	29	33	81	29.09	30.16	8.55	7	2	29	03			35	29	33	82	29.09	30.16	8.43	7	2	29	04			34	29	32	82	29.09	30.16	8.25	6	1	33	05			35	29	33	83	29.09	30.16	8.35	8	2	31	06			34	29	32	85	29.10	30.17	7.94	7	2	31	07			34	29	32	85	29.11	30.18	8.49	6	2	32	08			33	29	32	87	29.12	30.19	8.34	6	2	31	09			34	30	33	85	29.13	30.21	7.76	7	2	32	10			36	30	34	81	29.14	30.22	7.85	8	3	33	11			38	30	35	76	29.15	30.23	8.25	7	2	31	12			40	30	36	70	29.14	30.21	8.47	9	3	28	13			42	29	37	65	29.11	30.18	8.98	8	4	27	14			43	29	38	62	29.09	30.16	8.58	9	4	27	15			44	29	38	62	29.07	30.15	8.74	9	4	27	16			44	29	38	62	29.08	30.15	8.98	9	4	29	17			43	29	38	63	29.08	30.16	9.13	8	3	28	18			41	29	36	66	29.09	30.17	8.73	7	3	29	19			40	29	36	69	29.10	30.18	8.73	7	3	29	20			39	29	35	71	29.11	30.18	8.35	7	2	29	21			38	29	35	74	29.11	30.18	8.15	7	2	30	22			37	29	34	76	29.11	30.19	8.26	6	2	30	23			37	28	34	74	29.11	30.18	8.23	6	2	28	24			36	29	33	77	29.10	30.18	7.89	6	3	29
HOUR (LST)	AVERAGES																																		RESULTANT WIND (MPH)																																																																																																																																																																																																																																																																																																																																																		
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION																																																																																																																																																																																																																																																																																																																																																																									
							STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																																													
01			36	29	33	80	29.09	30.17	7.84	6	3	29																																																																																																																																																																																																																																																																																																																																																																									
02			35	29	33	81	29.09	30.16	8.55	7	2	29																																																																																																																																																																																																																																																																																																																																																																									
03			35	29	33	82	29.09	30.16	8.43	7	2	29																																																																																																																																																																																																																																																																																																																																																																									
04			34	29	32	82	29.09	30.16	8.25	6	1	33																																																																																																																																																																																																																																																																																																																																																																									
05			35	29	33	83	29.09	30.16	8.35	8	2	31																																																																																																																																																																																																																																																																																																																																																																									
06			34	29	32	85	29.10	30.17	7.94	7	2	31																																																																																																																																																																																																																																																																																																																																																																									
07			34	29	32	85	29.11	30.18	8.49	6	2	32																																																																																																																																																																																																																																																																																																																																																																									
08			33	29	32	87	29.12	30.19	8.34	6	2	31																																																																																																																																																																																																																																																																																																																																																																									
09			34	30	33	85	29.13	30.21	7.76	7	2	32																																																																																																																																																																																																																																																																																																																																																																									
10			36	30	34	81	29.14	30.22	7.85	8	3	33																																																																																																																																																																																																																																																																																																																																																																									
11			38	30	35	76	29.15	30.23	8.25	7	2	31																																																																																																																																																																																																																																																																																																																																																																									
12			40	30	36	70	29.14	30.21	8.47	9	3	28																																																																																																																																																																																																																																																																																																																																																																									
13			42	29	37	65	29.11	30.18	8.98	8	4	27																																																																																																																																																																																																																																																																																																																																																																									
14			43	29	38	62	29.09	30.16	8.58	9	4	27																																																																																																																																																																																																																																																																																																																																																																									
15			44	29	38	62	29.07	30.15	8.74	9	4	27																																																																																																																																																																																																																																																																																																																																																																									
16			44	29	38	62	29.08	30.15	8.98	9	4	29																																																																																																																																																																																																																																																																																																																																																																									
17			43	29	38	63	29.08	30.16	9.13	8	3	28																																																																																																																																																																																																																																																																																																																																																																									
18			41	29	36	66	29.09	30.17	8.73	7	3	29																																																																																																																																																																																																																																																																																																																																																																									
19			40	29	36	69	29.10	30.18	8.73	7	3	29																																																																																																																																																																																																																																																																																																																																																																									
20			39	29	35	71	29.11	30.18	8.35	7	2	29																																																																																																																																																																																																																																																																																																																																																																									
21			38	29	35	74	29.11	30.18	8.15	7	2	30																																																																																																																																																																																																																																																																																																																																																																									
22			37	29	34	76	29.11	30.19	8.26	6	2	30																																																																																																																																																																																																																																																																																																																																																																									
23			37	28	34	74	29.11	30.18	8.23	6	2	28																																																																																																																																																																																																																																																																																																																																																																									
24			36	29	33	77	29.10	30.18	7.89	6	3	29																																																																																																																																																																																																																																																																																																																																																																									
01	OVC	041		22	8	18	55	7	03	29.19	30.29																																																																																																																																																																																																																																																																																																																																																																										
04	BKN	037		19	9	16	65	0	00	29.22	30.33																																																																																																																																																																																																																																																																																																																																																																										
07	CLR	NC		16	11	15	80	5	36	29.28	30.39																																																																																																																																																																																																																																																																																																																																																																										
10	CLR	NC		21	11	18	65	8	01	29.34	30.45																																																																																																																																																																																																																																																																																																																																																																										
13	CLR	NC		27	11	22	51	6	34	29.32	30.42																																																																																																																																																																																																																																																																																																																																																																										
16	CLR	NC		31	8	24	38	12	05	29.31	30.41																																																																																																																																																																																																																																																																																																																																																																										
19	CLR	NC		25	9	21	50	8	04	29.35	30.46																																																																																																																																																																																																																																																																																																																																																																										
22	CLR	NC		23	9	19	55	12	04	29.36	30.47																																																																																																																																																																																																																																																																																																																																																																										
SUNRISE: 0740				JAN 27				SUNSET: 1757																																																																																																																																																																																																																																																																																																																																																																													
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SUNRISE: 0739				JAN 28				SUNSET: 1758																																																																																																																																																																																																																																																																																																																																																																													
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04	CLR	NC		21	10	18	62	14	06	29.39	30.48																																																																																																																																																																																																																																																																																																																																																																										
07	CLR	NC		20	8	17	60	9	06	29.44	30.56																																																																																																																																																																																																																																																																																																																																																																										
10	SCT	NC		22	10	19	60	10	06	29.44	30.54																																																																																																																																																																																																																																																																																																																																																																										
13	SCT	NC		32	14	26	47	12	06	29.39	30.49																																																																																																																																																																																																																																																																																																																																																																										
16	SCT	NC		38	13	30	36	7	04	29.34	30.43																																																																																																																																																																																																																																																																																																																																																																										
19	OVC	065		36	16	29	44	0	00	29.37	30.47																																																																																																																																																																																																																																																																																																																																																																										
22	BKN	080		34	22	30	61	0	00	29.36	30.46																																																																																																																																																																																																																																																																																																																																																																										
SUNRISE: 0739				JAN 29				SUNSET: 1760																																																																																																																																																																																																																																																																																																																																																																													
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04	OVC	047		34	19	29	54	5	06	29.29	30.38																																																																																																																																																																																																																																																																																																																																																																										
07	OVC	049		35	27	32	72	5	02	29.27	30.35																																																																																																																																																																																																																																																																																																																																																																										
10	OVC	036		33	33	33	100	8	05	29.25	30.34																																																																																																																																																																																																																																																																																																																																																																										
13	OVC	055		35	35	35	100	6	36	29.22	30.31																																																																																																																																																																																																																																																																																																																																																																										
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19	OVC	016		35	35	35	100	0	00	29.20	30.28																																																																																																																																																																																																																																																																																																																																																																										
22	OVC	005		34	34	34	100	3	32	29.20	30.28																																																																																																																																																																																																																																																																																																																																																																										
SUNRISE: 0738				JAN 30				SUNSET: 1801																																																																																																																																																																																																																																																																																																																																																																													
01	OVC	004		34	34	34	100	3	27	29.17	30.26																																																																																																																																																																																																																																																																																																																																																																										
04	OVC	002		34	34	34	100	3	27	29.15	30.23																																																																																																																																																																																																																																																																																																																																																																										
07	OVC	013		34	34	34	100	5	26	29.12	30.20																																																																																																																																																																																																																																																																																																																																																																										
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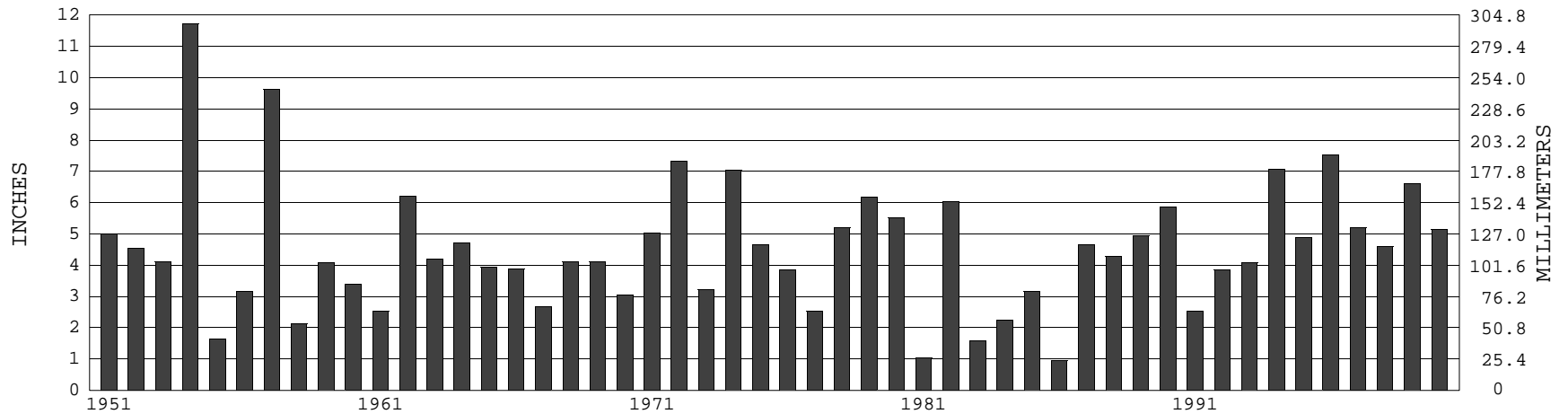
### KNOXVILLE, TN JANUARY TEMPERATURES



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

Long-Term (1951-2000) Mean: 38.0      1961-1990 Normal: 36.0

### KNOXVILLE, TN JANUARY PRECIPITATION



Long-Term (1951-2000) Mean Monthly Total: 4.52

1961-1990 Normal: 4.17



**JANUARY 2000  
KNOXVILLE, TN**

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

DIRECTOR

## NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at  
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or [orders@ncdc.noaa.gov](mailto:orders@ncdc.noaa.gov)  
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