



MARCH 2007 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

KNOXVILLE, TN
MC GHEE TYSON AIRPORT (KTYS)
Lat:35° 49'N Long: 83° 59'W Elev (Ground) 962 Feet
Time Zone : EASTERN WBAN: 13891 ISSN#: 0198-4810



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
																		SPEED 20	DIR 21	SPEED 22	DIR 23			
01	65	48	57	11	45	50	8	0	TSRA RA BR	0		0.0	0.97	28.58	29.63	4.1	20	9.3	32	25	25	25	01	
02	58	35	47	1	27	39	18	0		0		0.0	0.00	28.64	29.72	12.1	24	13.2	35	27	28	27	02	
03	59	35	47	1	20	37	18	0		0		0.0	0.00	28.77	29.84	15.3	25	16.8	51*	23	36*	26	03	
04	40	27	34*	-12	18	28	31	0	SN	0		T	T	29.09	30.19	7.2	28	8.1	22	28	17	29	04	
05	58	25*	42	-4	20	34	23	0		0		0.0	0.00	29.21	30.29	6.4	23	7.1	21	21	17	24	05	
06	58	33	46	-1	23	37	19	0		0		0.0	0.00	29.28	30.34	2.4	03	2.8	16	02	13	02	06	
07	69	37	53	6	29	42	12	0	HZ	0		0.0	0.00	29.10	30.10	7.0	24	7.6	32	25	26	23	07	
08	68	37	53	6	32	44	12	0		0		0.0	0.00	29.08	30.13	1.2	35	2.8	17	01	15	01	08	
09	72	39	56	8	36	46	9	0		0		0.0	0.00	29.10	30.15	3.8	24	6.8	24	23	21	22	09	
10	69	45	57	9	45	51	8	0	RA HZ	0		0.0	T	29.13	30.18	3.4	25	5.0	23	22	18	24	10	
11	67	45	56	8	37	48	9	0	BR HZ	0		0.0	0.00	29.23	30.28	6.2	03	7.2	20	06	16	03	11	
12	71	40	56	7	27	43	9	0		0		0.0	0.00	29.20	30.25	0.4	23	4.9	18	25	15	23	12	
13	78	42	60	11	41	51	5	0		0		0.0	0.00	29.15	30.19	4.7	22	5.1	21	22	18	21	13	
14	79	60	70	21	47	57	0	5	RA	0		0.0	T	29.03	30.04	9.8	22	10.2	28	24	24	24	14	
15	71	58	65	16	54	58	0	0	RA BR	0		0.0	0.62	28.91	29.93	4.9	23	7.0	18	24	15	23	15	
16	59	33	46	-4	41	43	19	0	RA FG+ FG BR	0		0.0	0.78	28.89	29.95	6.1	01	7.4	20	01	15	01	16	
17	48	31	40	-10	18	32	25	0		0		0.0	0.00	29.06	30.13	5.3	33	6.7	21	28	17	29	17	
18	49	26	38	-12	15	31	27	0		0		0.0	0.00	29.19	30.27	3.0	03	5.2	15	02	13	01	18	
19	68	30	49	-2	32	42	16	0	RA	0		0.0	T	29.21	30.27	5.2	23	9.4	33	22	28	24	19	
20	68	54	61	10	48	54	4	0	RA BR	0		0.0	0.06	29.28	30.34	4.5	24	7.5	17	21	15	21	20	
21	76	50	63	12	51	56	2	0	FG+ FG BR HZ	0		0.0	0.00	29.31	30.35	2.5	18	6.1	21	18	16	18	21	
22	76	55	66	15	49	56	0	1		0		0.0	0.00	29.26	30.28	10.6	23	11.2	26	22	22	23	22	
23	78	50	64	12	50	57	1	0	BR	0		0.0	0.00	29.18	30.21	6.8	23	7.4	23	21	21	20	23	
24	81	53	67	15	50	58	0	2	BR	0		0.0	0.00	29.22	30.26	3.4	21	4.0	16	20	14	25	24	
25	85*	53	69	17	51	59	0	4	HZ	0		0.0	0.00	29.22	30.25	0.1	20	1.8	13	29	10	29	25	
26	83	60	72*	20	55	62	0	7		0		0.0	0.00	29.17	30.19	5.1	25	6.1	21	24	20	24	26	
27	81	61	71	18	58	63	0	6	HZ	0		0.0	0.00	29.13	30.16	3.8	25	4.6	16	25	14	21	27	
28	79	62	71	17	59	63	0	6	RA HZ	0		0.0	T	29.09	30.12	2.3	33	4.5	22	01	18	33	28	
29	77	59	68	14	58	62	0	3	RA BR HZ	0		0.0	0.19	29.14	30.19	4.8	05	5.7	14	05	12	05	29	
30	74	52	63	9	52	56	2	0		0		0.0	0.00	29.21	30.24	3.6	26	5.7	16	25	13	26	30	
31	79	53	66	12	54	59	0	1	BR HZ	0		0.0	0.00	29.05	30.06	4.9	22	5.6	18	22	16	26	31	

69.1	44.8	57.0	☼	40.1	49.0	8.9	1.1	< MONTHLY AVERAGES TOTALS >				T	2.62	29.15	30.19	3.4	25	6.9	< MONTHLY AVERAGES			
8.8	5.7	7.3		-----DEPARTURE FROM NORMAL ----->				-2.55	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS				SEASON TO DATE				GREATEST 24-HR PRECIPITATION : 1.40 DATE : 15-16				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY				TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL : T DATE : 04				MAXIMUM : 30.43				21 1059						
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.31				01 2053						
HEATING :		277 -190		3166		-229		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 5		PRECIPITATION >= 0.01 INCH: 5								
COOLING :		35 130		35		29				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 4								
										THUNDERSTORMS : 1		HEAVY FOG : 2		SNOWFALL >= 1.0 INCH : 0								

**MARCH 2007
KNOXVILLE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
MARCH 2007

WBAN # 13891

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	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								T	T	0.07	0.18	0.09	01	0.08	0.03	T	T	T	T		0.03	0.04	0.37	0.08	T	01	0.97	0.97
02													02													02	0.00	0.00
03													03													03	0.00	0.00
04								T	T	T	T	T	04													04	T	T
05													05													05	0.00	0.00
06													06													06	0.00	0.00
07													07													07	0.00	0.00
08													08													08	0.00	0.00
09													09													09	0.00	0.00
10													10				T			T						10	T	T
11													11													11	0.00	0.00
12													12													12	0.00	0.00
13													13													13	0.00	0.00
14			T	T									14													14	T	T
15													15			T	T	0.06	0.10	0.10	0.12	0.08	0.03	0.03	0.10	15	0.62	0.62
16	0.06	0.06	0.08	0.24	0.13	0.11	0.09	0.01					16													16	0.78	0.78
17													17													17	0.00	0.00
18													18													18	0.00	0.00
19													19													19	T	T
20	T												20			T	0.02	0.02	0.02	T	T				20	0.06	0.06	
21													21													21	0.00	0.00
22													22													22	0.00	0.00
23													23													23	0.00	0.00
24													24													24	0.00	0.00
25													25													25	0.00	0.00
26													26													26	0.00	0.00
27													27													27	0.00	0.00
28													28		T	T				T	T					28	T	T
29								0.01					29	0.11	T											29	0.14*	0.19
30													30													30	0.00	0.00
31													31													31	0.00	0.00

* Indicates sum of Hourly and Daily disagree.

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 (Hr/Min)												

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

KNOXVILLE, TN MARCH 2007

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:

Station Augmentation-CONTRACTOR ON AIRPORT
Lat/Lon: / Elevation:
Distance: 2200 FT Dir: W
Augmented Elements: Temp, Precip, Snow
Equipment: SRG, PSY, Snow Board, Snow stick

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							2.50	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							5.00	10.00	
08							9.00	10.00	
09							10.00	10.00	
10							6.00	10.00	
11							5.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							1.00	10.00	
16							0.25	10.00	
17							9.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							3.00	10.00	
21							0.00	10.00	
22							10.00	10.00	
23							6.00	10.00	
24							6.00	10.00	
25							7.00	10.00	
26							8.00	10.00	
27							4.00	10.00	
28							4.00	10.00	
29							3.00	10.00	
30							10.00	10.00	
31							4.00	10.00	
MONTHLY AVGS							6.86	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 22295				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
2		6			17				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
MARCH 2007 **KTYS**

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0706						MAR 01						SUNSET: 1831															
01	FEW	120			10.00	62	28	47	28	11	17	28.84	29.86	01	CLR	NC			10.00	43	25	36	49	0	00	29.21	30.27
04	CLR	NC			10.00	61	29	46	30	10	18	28.79	29.81	04	CLR	NC			10.00	37	27	33	67	0	00	29.15	30.22
07	BKN	100			10.00	63	30	48	29	21	21	28.78	29.80	07	FEW	120			10.00	38	27	34	65	0	00	29.14	30.19
10	OVC	065			7.00	56	50	53	80	9	14	28.69	29.72	10	SCT	120			10.00	46	32	40	58	0	00	29.15	30.21
13	OVC	043			4.00	48	48	48	100	7	07	28.63	29.66	13	SCT	120			10.00	66	29	49	25	22	26	29.08	
16	OVC	042			3.00	51	50	50	96	8	01	28.51	29.53	16	CLR	NC			10.00	69	29	50	22	22	22	29.00	
19	OVC	090			7.00	59	52	55	78	8	21	28.40	29.40	19	FEW	120			10.00	63	27	47	26	10	27	29.03	
22	OVC	037			3.00	58	56	57	93	15	27	28.39	29.40	22	CLR	NC			10.00	55	29	44	37	6	22	29.06	
SUNRISE: 0705						MAR 02						SUNSET: 1832															
01	SCT	050			10.00	53	45	49	74	20	26	28.48	29.52	01	CLR	NC			10.00	50	31	42	48	9	35	29.08	30.11
04	CLR	NC			10.00	44	29	38	56	16	27	28.63	29.67	04	CLR	NC			10.00	44	31	39	60	3	35	29.08	30.12
07	SCT	030			10.00	36	28	33	73	8	22	28.70	29.74	07	CLR	NC			9.00	39	32	36	76	0	00	29.11	30.15
10	CLR	NC			10.00	46	29	39	52	13	21	28.74	29.77	10	CLR	NC			10.00	51	33	43	50	0	00	29.15	30.19
13	CLR	NC			10.00	54	25	42	33	16	27	28.72	29.75	13	CLR	NC			10.00	63	34	49	34	5	22	29.11	30.15
16	FEW	030			10.00	58	24	43	27	23	23	28.66	29.70	16	CLR	NC			10.00	67	30	50	25	5	VR	29.04	30.08
19	FEW	040			10.00	49	24	39	38	9	23	28.68	29.72	19	CLR	NC			10.00	62	31	48	31	0	00	29.04	30.08
22	CLR	NC			10.00	44	22	36	42	8	22	28.73	29.78	22	CLR	NC			10.00	51	34	43	52	6	06	29.07	30.12
SUNRISE: 0704						MAR 03						SUNSET: 1833															
01	CLR	NC			10.00	47	24	38	41	11	23	28.72	29.75	01	CLR	NC			10.00	47	34	41	61	3	07	29.08	30.12
04	CLR	NC			10.00	45	22	36	40	9	26	28.77	29.80	04	CLR	NC			10.00	46	33	40	61	3	02	29.09	30.13
07	SCT	090			10.00	38	21	32	50	9	23	28.78	29.82	07	CLR	NC			10.00	44	34	40	68	6	01	29.13	30.18
10	CLR	NC			10.00	50	18	38	28	23	23	28.79	29.84	10	CLR	NC			10.00	56	37	47	49	3	VR	29.16	30.21
13	CLR	NC			10.00	55	17	40	22	18	24	28.77	29.80	13	CLR	NC			10.00	67	38	52	35	7	25	29.13	30.17
16	FEW	100			10.00	58	15	41	18	24	27	28.74	29.77	16	SCT	090			10.00	71	36	53	28	20	24	29.07	30.10
19	FEW	050			10.00	51	18	38	27	20	28	28.79	29.84	19	CLR	NC			10.00	60	38	49	44	7	22	29.08	30.13
22	CLR	NC			10.00	38	21	32	50	7	28	28.96	30.01	22	CLR	NC			10.00	56	37	47	49	6	26	29.11	30.15
SUNRISE: 0702						MAR 04						SUNSET: 1833															
01	OVC	050			10.00	35	22	30	59	14	27	28.98	30.03	01	CLR	NC			10.00	50	39	45	66	0	00	29.12	30.16
04	BKN	050			10.00	32	20	28	61	7	30	29.01	30.06	04	CLR	NC			10.00	50	40	45	69	5	02	29.13	30.16
07	OVC	046			10.00	28	16	24	61	10	28	29.08	30.14	07	FEW	060			8.00	48	40	44	74	0	00	29.18	30.22
10	OVC	037			10.00	29	16	25	58	9	31	29.16	30.24	10	SCT	050			9.00	57	43	50	60	3	VR	29.18	30.22
13	BKN	040			10.00	36	17	29	46	10	27	29.15	30.22	13	BKN	110			10.00	67	46	56	47	13	24	29.12	30.16
16	FEW	040			10.00	38	17	31	43	10	28	29.13	30.20	16	OVC	095			10.00	66	47	56	51	13	25	29.10	30.14
19	CLR	NC			10.00	38	18	31	44	5	26	29.15	30.22	19	OVC	075			9.00	61	50	55	67	6	26	29.14	30.18
22	CLR	NC			10.00	30	19	26	64	5	21	29.19	30.27	22	BKN	120			9.00	56	49	52	78	0	00	29.18	30.22
SUNRISE: 0701						MAR 05						SUNSET: 1834															
01	CLR	NC			10.00	32	16	27	52	6	24	29.22	30.29	01	BKN	095			6.00	54	50	52	86	0	00	29.18	30.22
04	CLR	NC			10.00	28	17	24	63	3	14	29.23	30.31	04	OVC	040			5.00	52	49	50	90	5	06	29.16	30.21
07	CLR	NC			10.00	28	16	24	61	5	19	29.24	30.32	07	OVC	039			8.00	52	44	48	74	9	01	29.23	30.28
10	CLR	NC			10.00	40	17	32	39	8	24	29.28	30.36	10	CLR	NC			10.00	57	42	50	57	11	07	29.29	30.34
13	CLR	NC			10.00	50	21	39	32	9	25	29.24	30.31	13	FEW	040			10.00	64	35	50	34	9	07	29.27	30.31
16	CLR	NC			10.00	57	22	42	26	11	23	29.16	30.23	16	CLR	NC			10.00	66	30	49	26	6	VR	29.22	30.27
19	CLR	NC			10.00	54	24	42	31	8	27	29.16	30.23	19	CLR	NC			10.00	58	30	45	35	6	07	29.22	30.27
22	CLR	NC			10.00	48	23	38	37	5	21	29.22	30.29	22	CLR	NC			10.00	53	29	43	40	8	36	29.24	30.29
SUNRISE: 0660						MAR 06						SUNSET: 1835															
01	CLR	NC			10.00	43	24	36	47	3	33	29.25	30.31	01	CLR	NC			10.00	49	24	39	38	7	02	29.22	30.27
04	CLR	NC			10.00	42	27	36	55	0	00	29.27	30.33	04	CLR	NC			10.00	45	23	36	42	8	02	29.21	30.25
07	CLR	NC			10.00	37	28	33	70	13	02	29.31	30.37	07	CLR	NC			10.00	43	23	35	45	0	00	29.24	30.29
10	CLR	NC			10.00	44	28	37	53	8	06	29.35	30.42	10	CLR	NC			10.00	50	26	40	39	5	08	29.26	30.32
13	CLR	NC			10.00	53	22	40	30	0	00	29.33	30.39	13	CLR	NC			10.00	65	32	49	29	5	VR	29.21	30.25
16	FEW	120			10.00	58	19	42	22	0	00	29.27	30.33	16	FEW	120			10.00	69	29	50	22	8	21	29.15	30.20
19	CLR	NC			10.00	54	19	40	25	0	00	29.25	30.31	19	CLR	NC			10.00	62	29	47	29	6	21	29.15	30.19
22	CLR	NC			10.00	46	22	37	39	0	00	29.23	30.29	22	CLR	NC			10.00	57	30	45	36	0	00	29.18	30.23

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
MARCH 2007 **KTYS**

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)															
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL										
																												WEATHER	WEATHER								
SUNRISE: 0650						MAR 13						SUNSET: 1841																									
01	CLR	NC			10.00						53	31	43	43	0	00	29.18	30.22	01	CLR	NC			10.00						35	17	29	48	3	04	29.23	30.30
04	CLR	NC			10.00						47	35	42	63	0	00	29.16	30.21	04	FEW	055			10.00						32	20	28	61	5	33	29.21	30.27
07	CLR	NC			10.00						44	34	40	68	0	00	29.21	30.26	07	OVC	080			10.00						33	23	29	67	3	08	29.24	30.30
10	CLR	NC			10.00						59	38	49	46	0	00	29.23	30.28	10	OVC	070			10.00						42	24	35	49	0	00	29.27	30.34
13	FEW	060			10.00						75	46	59	36	11	22	29.16	30.20	13	FEW	070			10.00						62	36	49	38	16	21	29.21	30.26
16	SCT	120			10.00						76	47	60	36	11	21	29.10	30.13	16	BKN	120			10.00						65	39	52	39	23	23	29.16	30.22
19	FEW	120			10.00						68	47	57	47	7	22	29.09	30.13	19	OVC	110			10.00						61	46	53	58	11	24	29.18	30.23
22	CLR	NC			10.00						64	47	55	54	7	21	29.09	30.12	22	OVC	070			10.00						62	43	52	50	7	22	29.22	30.28
SUNRISE: 0649						MAR 14						SUNSET: 1842																									
01	OVC	100			10.00						64	48	55	56	7	22	29.07	30.10	01	OVC	060			10.00						61	43	52	0	00	29.24	30.29	
04	SCT	110			10.00						60	48	54	65	9	20	29.05	30.08	04	OVC	055			10.00						62	41	51	46	13	22	29.22	30.26
07	OVC	065			10.00						61	47	54	60	7	22	29.08	30.11	07	OVC	070			10.00						61	41	51	48	9	25	29.27	30.31
10	SCT	110			10.00						72	49	59	44	13	21	29.07	30.10	10	OVC	080			10.00						63	44	53	50	10	23	29.32	30.36
13	SCT	095			10.00						78	48	61	35	15	23	29.03	30.05	13	BKN	075			10.00						68	48	57	49	9	23	29.32	30.36
16	SCT	100			10.00						78	43	59	29	20	23	28.96	29.98	16	OVC	090			6.00						61	54	57	78	7	21	29.31	30.35
19	SCT	075			10.00						71	47	58	43	7	25	28.95	29.98	19	OVC	110			4.00						58	56	57	93	5	04	29.32	30.37
22	CLR	NC			10.00						65	47	55	52	7	18	28.96	29.98	22	OVC	110			3.00						56	55	55	96	6	06	29.32	30.37
SUNRISE: 0647						MAR 15						SUNSET: 1843																									
01	FEW	120			10.00						61	47	54	60	8	21	28.91	29.93	01	FEW	110			1.25						54	53	53	96	6	01	29.32	30.37
04	BKN	090			10.00						61	49	54	65	7	23	28.89	29.91	04	VV	001			0.25						51	50	50	96	3	08	29.30	30.35
07	OVC	090			10.00						62	52	56	70	9	23	28.93	29.96	07	VV	001			0.00						51	51	51	100	3	04	29.33	30.38
10	BKN	090			10.00						67	52	58	59	13	24	28.96	29.98	10	OVC	001			0.75						54	53	53	96	0	00	29.38	30.43
13	BKN	080			10.00						70	53	60	55	7	21	28.91	29.94	13	FEW	050			8.00						69	55	61	61	7	26	29.33	30.38
16	OVC	090			6.00						64	56	59	75	10	32	28.87	29.90	16	FEW	110			8.00						76	52	62	43	8	18	29.26	30.30
19	OVC	043			1.00						60	58	59	93	6	09	28.89	29.92	19	SCT	110			10.00						70	48	58	46	11	17	29.25	30.29
22	OVC	029			2.50						59	58	58	97	3	08	28.88	29.91	22	CLR	NC			10.00						66	48	56	52	8	19	29.27	30.32
SUNRISE: 0646						MAR 16						SUNSET: 1844																									
01	OVC	025			1.00						58	58	58	100	0	00	28.82	29.85	01	CLR	NC			10.00						65	48	56	54	14	19	29.27	30.31
04	OVC	008			1.50						59	58	58	97	5	28	28.76	29.78	04	CLR	NC			10.00						58	48	53	70	9	23	29.26	30.30
07	OVC	017			5.00						48	46	47	93	8	36	28.81	29.84	07	FEW	120			10.00						56	48	52	75	8	23	29.31	30.35
10	OVC	013			7.00						44	39	42	83	9	01	28.89	29.93	10	SCT	060			10.00						68	51	58	55	18	24	29.32	30.35
13	OVC	018			10.00						43	37	40	79	10	01	28.93	29.98	13	SCT	055			10.00						74	50	60	43	17	22	29.26	30.30
16	OVC	018			10.00						42	35	39	76	7	36	28.95	30.00	16	FEW	055			10.00						74	48	59	40	14	25	29.18	30.22
19	FEW	045			10.00						38	30	35	73	5	08	29.01	30.06	19	CLR	NC			10.00						69	47	57	46	7	25	29.18	30.22
22	FEW	055			9.00						34	30	32	85	6	05	29.04	30.10	22	CLR	NC			10.00						64	48	55	56	3	22	29.19	30.22
SUNRISE: 0644						MAR 17						SUNSET: 1845																									
01	OVC	060			10.00						36	28	33	73	7	02	29.03	30.09	01	CLR	NC			10.00						59	48	53	67	8	24	29.16	30.20
04	OVC	060			10.00						34	27	31	76	0	00	29.01	30.07	04	CLR	NC			10.00						57	48	52	72	6	28	29.16	30.20
07	FEW	050			10.00						32	22	28	67	5	02	29.06	30.13	07	CLR	NC			6.00						50	46	48	86	0	00	29.23	30.27
10	FEW	043			10.00						38	20	32	48	7	VR	29.12	30.19	10	FEW	065			10.00						68	53	59	59	8	22	29.25	30.29
13	SCT	040			10.00						43	18	34	37	13	32	29.11	30.16	13	SCT	050			10.00						75	53	62	46	15	21	29.19	30.23
16	SCT	080			10.00						47	15	35	28	7	30	29.05	30.11	16	SCT	120			10.00						77	50	61	39	13	23	29.13	30.16
19	FEW	100			10.00						44	12	33	27	10	30	29.07	30.13	19	CLR	NC			10.00						70	51	59	51	7	20	29.14	30.17
22	FEW	120			10.00						41	12	31	30	5	31	29.11	30.17	22	FEW	120			10.00						67	50	58	55	5	24	29.16	30.19
SUNRISE: 0643						MAR 18						SUNSET: 1846																									
01	FEW	120			10.00						37	14	29	39	7	34	29.13	30.19	01	CLR	NC			10.00						63	49	55	60	6	24	29.18	30.20
04	CLR	NC			10.00						33	18	28	54	6	32	29.15	30.20	04	CLR	NC			9.00						57	50	53	78	0	00	29.16	30.20
07	CLR	NC			10.00						27	21	25	78	5	06	29.18	30.26	07	CLR	NC			6.00						54	50	52	86	0	00	29.24	30.28
10	CLR	NC			10.00						39	19	32	45	10	04	29.25	30.32	10	CLR	NC			10.00						69	54	60	59	5	23	29.28	30.32
13	CLR	NC			10.00						43	10	32	26	5	VR	29.25	30.32	13	FEW	050			10.00						79	51	63	38	6	23	29.27	30.30

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

MARCH 2007

KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0633 MAR 25 SUNSET: 1852													
01	CLR	NC				63	50	56	63	0 00	29.22	30.25	
04	CLR	NC				57	49	53	75	0 00	29.23	30.27	
07	CLR	NC				53	49	51	86	0 00	29.28	30.32	
10	CLR	NC				71	53	61	53	0 00	29.29	30.32	
13	CLR	NC				82	51	64	34	7 30	29.23	30.26	
16	CLR	NC				84	50	64	31	0 00	29.16	30.19	
19	FEW	120				78	50	62	38	0 00	29.15	30.19	
22	CLR	NC				68	53	59	59	5 08	29.18	30.21	
SUNRISE: 0631 MAR 26 SUNSET: 1852													
01	CLR	NC				67	53	59	61	0 00	29.18	30.19	
04	CLR	NC				64	53	58	68	0 00	29.15	30.18	
07	CLR	NC				61	55	58	81	0 00	29.19	30.23	
10	CLR	NC				70	56	62	61	6 34	29.22	30.26	
13	FEW	040				81	55	65	41	15 25	29.19	30.22	
16	FEW	070				82	53	65	37	14 24	29.14	30.16	
19	CLR	NC				72	55	62	55	8 22	29.13	30.16	
22	CLR	NC				71	55	62	57	6 24	29.15	30.18	
SUNRISE: 0630 MAR 27 SUNSET: 1853													
01	CLR	NC				69	55	61	61	8 27	29.15	30.17	
04	CLR	NC				65	56	60	73	8 26	29.14	30.16	
07	CLR	NC			HZ	62	56	59	81	0 00	29.18	30.22	
10	CLR	NC			HZ	71	60	64	68	8 24	29.21	30.23	
13	FEW	035			HZ	78	61	67	56	9 24	29.15	30.17	
16	FEW	047				81	58	67	46	6 28	29.09	30.11	
19	CLR	NC				76	57	64	52	3 24	29.07	30.09	
22	CLR	NC				71	57	63	61	0 00	29.09	30.11	
SUNRISE: 0629 MAR 28 SUNSET: 1854													
01	BKN	055				68	58	62	71	0 00	29.10	30.12	
04	OVC	080			HZ	66	58	61	76	0 00	29.07	30.09	
07	BKN	065			HZ	64	58	60	81	0 00	29.09	30.11	
10	SCT	070				72	58	64	62	6 25	29.12	30.14	
13	SCT	080				78	58	66	50	10 27	29.08	30.11	
16	BKN	100				72	60	65	66	8 36	29.07	30.10	
19	OVC	120				67	61	63	81	3 06	29.11	30.14	
22	BKN	120				66	61	63	84	3 03	29.12	30.14	
SUNRISE: 0627 MAR 29 SUNSET: 1855													
01	BKN	100			BR	63	60	61	90	7 04	29.11	30.13	
04	BKN	110			BR	62	59	60	90	5 04	29.10	30.13	
07	OVC	095			-RA BR	62	59	60	90	7 03	29.14	30.17	
10	BKN	100			HZ	68	60	63	76	6 06	29.19	30.22	
13	BKN	100			-RA BR	66	62	64	87	6 07	29.18	30.22	
16	SCT	100				76	60	66	58	5 VR	29.14	30.16	
19	SCT	110				71	57	63	61	6 08	29.15	30.18	
22	CLR	NC				64	52	57	65	7 04	29.21	30.25	
SUNRISE: 0626 MAR 30 SUNSET: 1856													
01	CLR	NC				57	50	53	78	7 05	29.24	30.28	
04	CLR	NC				55	48	51	77	0 00	29.25	30.28	
07	SCT	100				52	49	50	90	3 09	29.28	30.32	
10	SCT	034				59	51	55	75	3 22	29.27	30.32	
13	SCT	033				70	55	61	59	8 25	29.21	30.24	
16	FEW	090				74	56	63	54	13 28	29.12	30.15	
19	CLR	NC				67	55	60	66	9 25	29.12	30.15	
22	CLR	NC				61	54	57	78	7 24	29.14	30.18	

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL				
SUNRISE: 0624 MAR 31 SUNSET: 1857																	
01	CLR	NC				9.00					57	53	55	87	7 21	29.12	30.15
04	CLR	NC				8.00					56	52	54	87	0 00	29.08	30.11
07	CLR	NC			BR	4.00					54	52	53	93	0 00	29.11	30.14
10	CLR	NC				7.00					63	54	58	73	3 VR	29.10	30.14
13	FEW	045				10.00					74	55	63	52	6 20	29.03	30.06
16	SCT	090				10.00					78	55	64	45	14 22	28.96	29.99
19	SCT	100				10.00					70	56	62	61	9 23	28.95	29.98
22	CLR	NC				10.00					68	53	59	59	7 20	28.95	29.98

3-HOURLY OBSERVATION NOTES

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, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

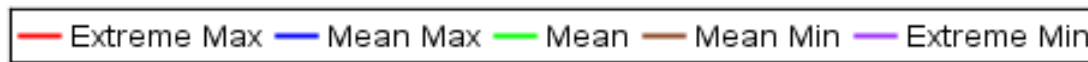
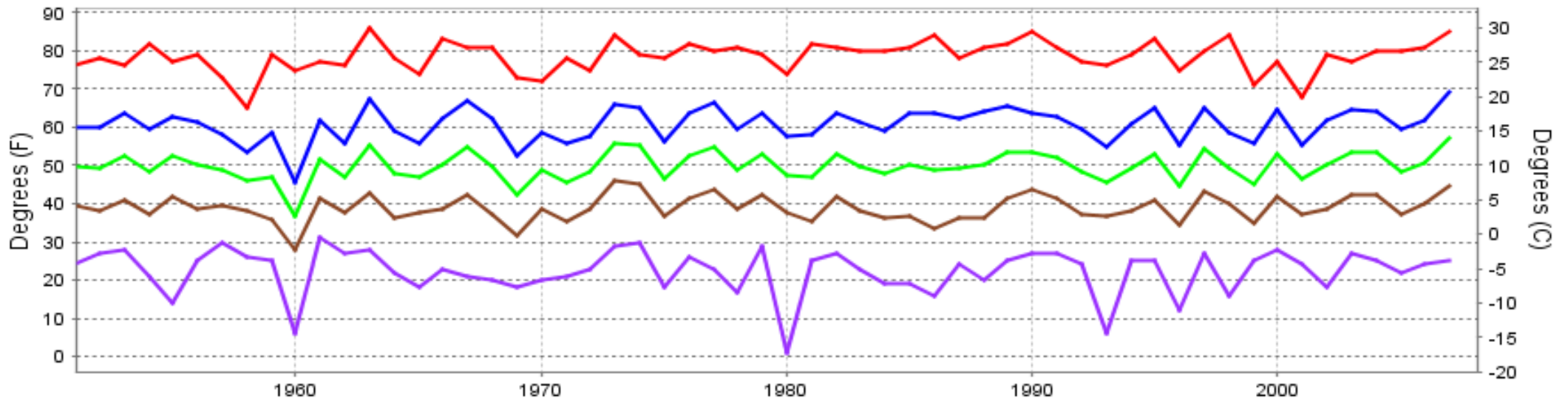
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

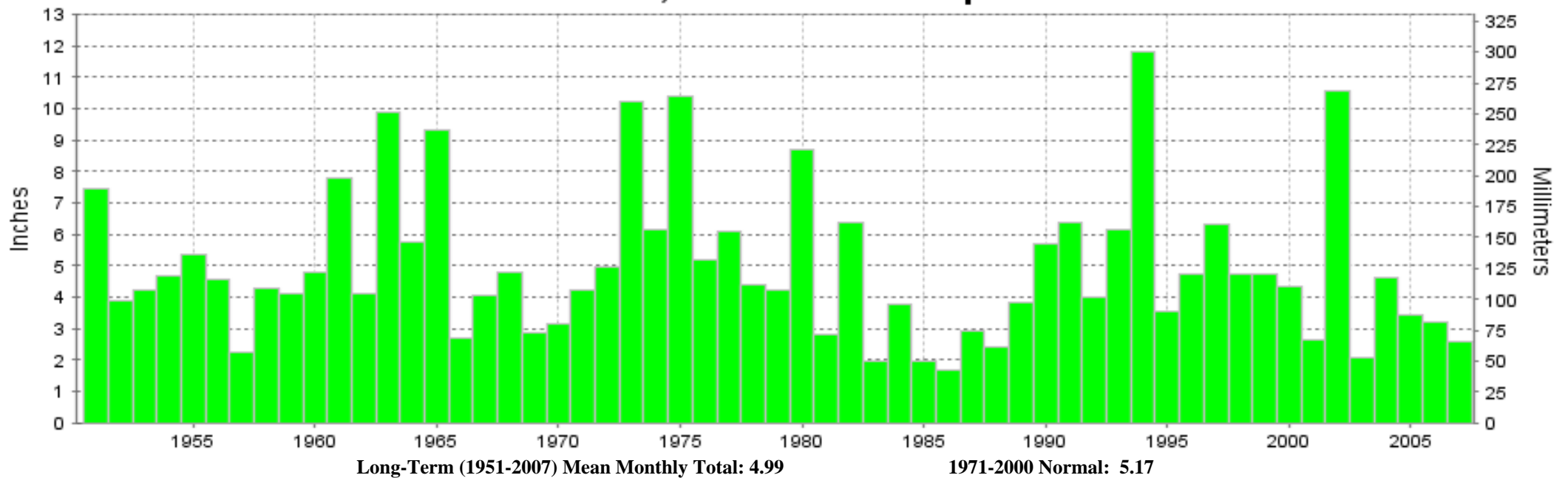
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			53	40	47	62	29.10	30.14	8.98	6	3	25
02			51	40	46	66	29.10	30.14	8.99	5	3	24
03			51	39	46	66	29.09	30.13	8.85	5	4	25
04			50	39	45	67	29.09	30.13	8.77	5	3	25
05			49	39	45	70	29.10	30.14	8.71	5	2	23
06			48	39	44	72	29.12	30.16	8.75	5	1	22
07			48	39	44	72	29.13	30.18	8.29	5	2	23
08			49	40	45	71	29.15	30.19	8.29	4	2	22
09			53	40	47	63	29.16	30.20	8.62	6	2	24
10			56	41	49	58	29.16	30.21	8.96	7	3	25
11			60	41	50	51	29.16	30.20	9.00	8	5	26
12			62	41	52	48	29.14	30.19	9.23	9	6	26
13			64	41	53	45	29.12	30.16	9.32	10	7	26
14			66	41	53	43	29.10	30.14	9.45	10	8	26
15			66	40	53	42	29.08	30.12	9.60	11	9	26
16			67	40	53	41	29.07	30.11	9.45	11	8	26
17			66	40	53	42	29.06	30.11	9.34	10	8	26
18			64	40	52	46	29.07	30.11	9.37	9	5	26
19			61	40	51	50	29.07	30.12	9.35	7	3	25
20			60	40	50	52	29.08	30.12	9.53	6	3	25
21			58	40	50	54	29.09	30.13	9.41	5	2	24
22			56	41	49	58	29.10	30.14	9.15	5	2	24
23			55	41	48	60	29.11	30.15	9.18	5	2	24
24			54	41	48	62	29.10	30.14	9.23	5	2	24

KNOXVILLE, TN MARCH Temperatures



Long-Term (1951-2007) Mean: 49.8
1971-2000 Normal: 49.7

KNOXVILLE, TN MARCH Precipitation



Long-Term (1951-2007) Mean Monthly Total: 4.99

1971-2000 Normal: 5.17



MARCH 2007
KNOXVILLE, TN

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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