



MARCH 2008 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 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
01	56	40	48	2	32	41	17	0	RA BR	0		0.0	0.03	29.20	30.26	5.5	25	6.0	22	30	16	21	01	
02	67	30	49	3	33	42	16	0		0		0.0	0.00	29.13	30.19	0.8	21	3.5	17	26	15	26	02	
03	72	36	54	8	39	50	11	0		0		0.0	0.00	28.97	30.00	13.1	17	13.7	35	18	28	18	03	
04	73	40	57	11	48	53	8	0	TS TSRA RA BR	0		0.0	0.92	28.62	29.65	12.2	21	16.0	46	24	37	24	04	
05	46	34	40	-6	29	34	25	0		0		0.0	0.00	28.94	30.00	4.3	26	5.3	26	24	21	25	05	
06	62	30	46	-1	31	39	19	0		0		0.0	0.00	29.01	30.06	3.6	03	4.5	13	35	10	01	06	
07	47	41	44	-3	40	43	21	0	TS RA DZ BR	0		0.0	0.56	28.68	29.71	6.0	01	6.9	17	33	14	33	07	
08	41	25	33*	-14	24	29	32	0	RA DZ SN PL BR HZ	0		T	0.17	28.74	29.90	10.7	25	11.1	32	26	25	24	08	
09	49	20*	35	-13	21	30	30	0		0		0.0	0.00	29.28	30.37	0.6	02	1.2	10	04	6	30	09	
10	63	28	46	-2	30	38	19	0		0		0.0	0.00	29.26	30.32	1.0	24	4.8	22	36	18	36	10	
11	55	35	45	-3	30	38	20	0		0		0.0	0.00	29.10	30.13	3.5	24	5.6	20	23	16	21	11	
12	65	32	49	0	30	41	16	0		0		0.0	0.00	28.92	29.96	6.2	21	6.9	20	19	16	19	12	
13	73	46	60	11	36	48	5	0		0		0.0	0.00	28.87	29.89	8.1	22	8.4	25	24	21	21	13	
14	61	47	54	5	46	50	11	0	RA FG+ FG BR	0		0.0	0.11	28.69	29.71	7.0	23	7.4	28	22	22	22	14	
15	58	46	52	3	48	50	13	0	TS TSRA RA FG+ FG BR	0		0.0	0.62	28.62	29.67	2.9	33	8.9	29	09	23	09	15	
16	58	43	51	1	37	44	14	0		0		0.0	0.00	29.08	30.18	6.0	02	6.6	22	01	15	01	16	
17	63	39	51	1	35	44	14	0		0		0.0	0.00	29.26	30.31	2.4	02	6.7	16	06	13	23	17	
18	69	44	57	7	43	50	8	0		0		0.0	0.00	29.07	30.07	6.8	18	9.3	31	16	23	17	18	
19	72	44	58	7	52	56	7	0	RA BR SQ	0		0.0	0.92	28.66	29.68	13.8	21	17.6	51*	25	37*	25	19	
20	56	37	47	-4	29	39	18	0		0		0.0	0.00	29.10	30.19	3.5	34	5.0	22	32	15	28	20	
21	67	32	50	-1	32	42	15	0		0		0.0	0.00	29.14	30.17	4.4	24	4.8	20	23	16	23	21	
22	67	39	53	2	32	44	12	0		0		0.0	0.00	28.95	30.01	7.7	27	10.9	28	26	22	27	22	
23	49	30	40	-12	26	35	25	0		0		0.0	0.00	29.15	30.21	5.3	32	6.8	24	27	18	28	23	
24	44	28	36	-16	26	32	29	0	RA SN	0		T	T	29.24	30.31	0.9	30	3.3	20	27	16	28	24	
25	58	26	42	-10	22	35	23	0	FG+ FZFG BR	0		0.0	0.00	29.26	30.31	8.1	22	8.3	25	23	21	23	25	
26	66	48	57	5	34	46	8	0		0		0.0	0.00	29.16	30.20	10.8	22	11.1	26	21	22	22	26	
27	73*	50	62*	9	40	51	3	0		0		0.0	0.00	28.95	29.97	15.3	22	15.5	33	21	28	21	27	
28	70	49	60	6	52	57	5	0	RA BR	0		0.0	0.16	28.95	29.97	8.9	22	12.8	29	20	24	20	28	
29	55	46	51	-3	48	49	14	0	TS TSRA RA BR	0		0.0	0.74	29.13	30.18	7.0	05	7.5	15	08	15	08	29	
30	62	49	56	2	49	51	9	0	RA BR	0		0.0	0.05	29.22	30.27	4.8	05	5.7	10	06	10	06	30	
31	63	49	56	2	48	51	9	0	RA DZ BR	0		0.0	0.05	29.17	30.19	1.1	35	3.3	14	24	10	24	31	

60.6		38.2		49.4		☼	36.2		43.6		15.4		0.0		< MONTHLY AVERAGES TOTALS >		T		4.33		29.02		30.07		3.3		23		7.9		< MONTHLY AVERAGES	
0.3		-0.9		-0.3			<----- DEPARTURE FROM NORMAL ----->										-0.84		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 0.92 DATE : 19+										SEA LEVEL PRESSURE												
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : T DATE : 24+					MAXIMUM : 30.45 09 1204																	
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :					MINIMUM : 29.41 19 1653																	
HEATING :		476		9		3128		-267		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 10		PRECIPITATION >= 0.01 INCH : 11																
COOLING :		0		-5		0		-6		THUNDERSTORMS : 4		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 8																
												HEAVY FOG : 3				SNOWFALL >= 1.0 INCH : 0																

MARCH 2008
KNOXVILLE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
MARCH 2008

WBAN # 13891

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	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		T	0.03	T	T								01												01	0.03	0.03	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04					T	0.07	0.10	0.16	0.16	0.14	0.09	T	04	T		0.03	0.17					T		04	0.92	0.92		
05													05											05	0.00	0.00		
06													06											06	0.00	0.00		
07						T	0.17	0.07	0.07	0.19	0.04	0.01	07	T							T	0.01		07	0.56	0.56		
08	0.08	0.05	T	0.02	0.01	0.01	T	T	T	T	T	T	08	T	T	T	T							08	0.17	0.17		
09													09											09	0.00	0.00		
10													10											10	0.00	0.00		
11													11											11	0.00	0.00		
12													12											12	0.00	0.00		
13													13											13	0.00	0.00		
14										0.01	0.07	0.02	14	T		T	T	0.01	T				14	0.11	0.11			
15											0.15	0.39	15	0.05	T		0.01	0.01	0.01				15	0.62	0.62			
16													16											16	0.00	0.00		
17													17											17	0.00	0.00		
18													18											18	0.00	0.00		
19									T	0.08	0.14	0.25	19	0.17	0.14	0.05			0.09				19	0.92	0.92			
20													20											20	0.00	0.00		
21													21											21	0.00	0.00		
22													22											22	0.00	0.00		
23													23											23	0.00	0.00		
24									T	T	T	T	24	T	T				T				24	T	T			
25													25											25	0.00	0.00		
26													26											26	0.00	0.00		
27													27											27	0.00	0.00		
28										T		T	28				T					0.01		28	0.16	0.16		
29			T	0.21	0.12	0.07	0.08	0.02		T		T	29			T	0.18	0.04			T	0.15	T	0.01	29	0.74	0.74	
30	0.01	0.04	T										30											30	0.05	0.05		
31							T	T	0.02	T	T	0.03	31	T										31	0.05	0.05		

* 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)	0.09	0.11	0.14	0.17	0.23	0.32	0.40	0.50	0.56	0.58	0.59	0.62
Ending Date	19	28	15	15	15	15	15	15	15	15	15	19
Ending Time (Hr/Min)	1226	2012	1145	1145	1143	1154	1201	1201	1208	1219	1239	1227

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 2008

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							7.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							1.50	10.00	
05							10.00	10.00	
06							7.00	10.00	
07							1.50	10.00	
08							1.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							1.25	10.00	
15							0.25	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							2.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							10.00	10.00	
24							7.00	10.00	
25							0.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							7.00	10.00	
29							1.25	10.00	
30							2.00	10.00	
31							0.00	10.00	
MONTHLY AVGS							6.70	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			
3			10			21			

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
MARCH 2008 **KTYS**

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)					
			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		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
SUNRISE: 0706						MAR 01						SUNSET: 1831																	
01	OVC	065			10.00	-RA	46	42	44	86	10	22	29.18	30.24	01	CLR	NC			10.00	RA BR	44	33	39	65	0	00	28.89	29.94
04	OVC	018			8.00		45	43	44	93	8	26	29.18	30.24	04	OVC	100			10.00		45	34	40	65	10	04	28.78	29.81
07	OVC	055			10.00		43	35	40	73	7	26	29.23	30.29	07	OVC	070			5.00		45	41	43	86	7	35	28.74	29.78
10	CLR	NC			10.00		46	30	39	54	6	24	29.28	30.34	10	OVC	039			1.50	+RA BR	46	45	46	96	8	33	28.70	29.74
13	CLR	NC			10.00		52	27	41	38	13	25	29.24	30.29	13	OVC	032			1.50		46	44	45	93	5	35	28.65	29.69
16	CLR	NC			10.00		55	26	43	33	10	24	29.16	30.22	16	OVC	007			10.00		46	42	44	86	5	02	28.62	29.66
19	FEW	120			10.00		52	26	41	37	3	15	29.16	30.22	19	OVC	009			10.00		43	39	41	86	3	01	28.61	29.65
22	CLR	NC			10.00		44	28	37	53	0	00	29.18	30.23	22	OVC	007			10.00		42	39	41	89	7	02	28.55	29.59
SUNRISE: 0705						MAR 02						SUNSET: 1832																	
01	CLR	NC			10.00		40	30	36	68	0	00	29.16	30.22	01	OVC	020			6.00	RA BR	40	38	39	93	9	30	28.51	29.54
04	FEW	002			10.00		31	28	30	89	3	04	29.15	30.22	04	OVC	005			10.00	-RAPL	36	34	35	92	6	25	28.54	29.59
07	CLR	NC			10.00		31	28	30	89	5	02	29.19	30.25	07	OVC	011			9.00	-SN	33	31	32	92	10	25	28.58	29.63
10	CLR	NC			10.00		44	30	38	58	0	00	29.21	30.27	10	OVC	035			5.00	HZ	27	21	25	78	21	26	28.75	29.80
13	SCT	070			10.00		59	32	47	36	3	VR	29.15	30.20	13	OVC	030			3.00	-SN	29	22	27	75	20	24	28.90	29.96
16	CLR	NC			10.00		66	41	53	40	11	25	29.07	30.11	16	BKN	040			9.00		32	21	28	64	11	26	28.98	30.05
19	CLR	NC			10.00		61	43	52	52	6	19	29.05	30.11	19	FEW	040			10.00		30	17	26	58	10	24	29.07	30.14
22	CLR	NC			10.00		52	32	43	47	7	20	29.09	30.14	22	CLR	NC			10.00		28	18	25	66	0	00	29.15	30.22
SUNRISE: 0704						MAR 03						SUNSET: 1833																	
01	CLR	NC			10.00		54	26	42	34	7	14	29.09	30.13	01	CLR	NC			10.00		26	20	24	78	0	00	29.19	30.27
04	CLR	NC			10.00		45	30	39	56	0	00	29.07	30.11	04	CLR	NC			10.00		23	19	22	85	0	00	29.24	30.32
07	CLR	NC			10.00		42	33	38	71	3	10	29.07	30.11	07	CLR	NC			10.00		22	19	21	88	0	00	29.29	30.38
10	CLR	NC			10.00		63	43	53	48	20	17	29.06	30.10	10	CLR	NC			10.00		35	24	31	64	3	04	29.34	30.42
13	FEW	055			10.00		70	43	56	38	17	17	28.99	30.02	13	CLR	NC			10.00		42	20	34	41	0	00	29.35	30.43
16	FEW	070			10.00		71	42	56	35	20	16	28.92	29.96	16	CLR	NC			10.00		48	18	37	30	0	00	29.30	30.38
19	FEW	070			10.00		67	43	54	42	16	18	28.86	29.90	19	CLR	NC			10.00		44	22	36	42	3	29	29.29	30.37
22	FEW	075			10.00		68	44	55	42	22	18	28.81	29.83	22	CLR	NC			10.00		37	26	33	65	0	00	29.31	30.38
SUNRISE: 0702						MAR 04						SUNSET: 1833																	
01	SCT	095			10.00		68	47	56	47	17	17	28.74	29.75	01	CLR	NC			10.00		35	25	31	67	0	00	29.31	30.38
04	BKN	100			10.00		67	48	57	51	22	17	28.70	29.72	04	CLR	NC			10.00		31	25	29	78	5	04	29.30	30.37
07	OVC	080			3.00	-RA BR	59	56	57	90	5	18	28.70	29.72	07	CLR	NC			10.00		29	25	28	85	0	00	29.33	30.41
10	OVC	065			3.00	RA BR	61	57	59	87	11	13	28.63	29.65	10	CLR	NC			10.00		43	31	38	63	0	00	29.35	30.42
13	SCT	100			10.00		67	57	61	70	8	14	28.48	29.50	13	CLR	NC			10.00		58	32	46	37	8	23	29.26	30.32
16	BKN	037			10.00		59	56	57	90	21	24	28.48	29.50	16	SCT	110			10.00		61	30	47	31	6	24	29.18	30.23
19	OVC	049			10.00		49	38	44	66	18	25	28.62	29.65	19	SCT	090			10.00		56	30	44	37	5	22	29.15	30.22
22	OVC	036			10.00	-RA	42	34	39	73	18	25	28.71	29.74	22	BKN	100			10.00		47	35	42	63	9	04	29.21	30.26
SUNRISE: 0701						MAR 05						SUNSET: 1834																	
01	OVC	041			10.00		39	29	35	67	15	25	28.78	29.81	01	SCT	085			10.00		44	34	40	68	5	03	29.21	30.26
04	OVC	024			10.00		36	28	33	73	13	26	28.84	29.88	04	CLR	NC			10.00		39	32	36	76	0	00	29.15	30.20
07	OVC	020			10.00		34	27	31	76	13	27	28.93	29.99	07	CLR	NC			10.00		35	31	33	85	0	00	29.15	30.20
10	OVC	022			10.00		35	26	32	70	3	23	28.99	30.05	10	FEW	110			10.00		46	34	41	63	6	34	29.15	30.21
13	OVC	022			10.00		38	28	34	67	0	00	29.00	30.06	13	SCT	120			10.00		49	33	42	54	0	00	29.09	30.14
16	CLR	NC			10.00		44	30	38	58	0	00	28.97	30.03	16	SCT	120			10.00		55	28	43	36	10	22	28.99	30.03
19	CLR	NC			10.00		43	30	38	60	0	00	28.99	30.05	19	CLR	NC			10.00		46	29	39	52	8	23	28.97	30.03
22	CLR	NC			10.00		37	30	34	76	3	07	29.01	30.07	22	CLR	NC			10.00		44	25	36	47	8	26	28.97	30.02
SUNRISE: 0660						MAR 06						SUNSET: 1835																	
01	CLR	NC			10.00		34	29	32	82	6	04	29.02	30.09	01	CLR	NC			10.00		38	25	33	60	6	20	28.96	30.01
04	CLR	NC			10.00		32	29	31	89	3	36	29.02	30.08	04	CLR	NC			10.00		34	25	31	70	6	19	28.92	29.98
07	CLR	NC			7.00		30	28	29	92	3	08	29.08	30.14	07	CLR	NC			10.00		33	26	30	75	3	23	28.96	30.01
10	CLR	NC			10.00		42	34	39	73	0	00	29.11	30.17	10	CLR	NC			10.00		51	30	42	45	11	21	28.97	30.02
13	CLR	NC			10.00		55	34	45	45	9	03	29.04	30.09	13	CLR	NC			10.00		59	32	47	36	7	22	28.93	29.98
16	CLR	NC			10.00		61	29	46	30	5	02	28.95	30.00	16	CLR	NC			10.00		64	36	50	36	13	20	28.87	29.91
19	CLR	NC			10.00		55	31	44	40	3	06	28.94	30.00	19	CLR	NC			10.00		58	33	46	39	6	19	28.85	29.90
22	CLR	NC			10.00		51	31	42	46	5	03	28.95	30.00	22	CLR	NC			10.00		56	32	45	40	5	21	28.88	29.92

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

MARCH 2008

KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0633 MAR 25 SUNSET: 1852														
01	CLR	NC			9.00		31	28	30	89	0	00	29.29	30.36
04	CLR	NC			5.00	BR	28	26	27	92	0	00	29.28	30.35
07	VV	001			0.00	FZFG	26	24	25	92	0	00	29.32	30.40
10	CLR	NC			10.00		42	27	36	55	9	19	29.32	30.40
13	CLR	NC			10.00		51	18	38	27	14	23	29.26	30.33
16	CLR	NC			10.00		57	20	42	24	16	22	29.16	30.23
19	FEW	120			10.00		53	19	40	26	13	24	29.15	30.22
22	FEW	120			10.00		49	19	38	30	14	22	29.16	30.22
SUNRISE: 0631 MAR 26 SUNSET: 1852														
01	CLR	NC			10.00		49	19	38	30	11	23	29.18	30.24
04	OVC	070			10.00		51	21	39	31	11	23	29.18	30.23
07	OVC	085			10.00		51	23	40	33	13	22	29.21	30.27
10	OVC	100			10.00		57	31	45	37	18	21	29.21	30.27
13	BKN	090			10.00		62	40	51	45	13	20	29.18	30.22
16	BKN	095			10.00		65	43	53	45	9	23	29.11	30.15
19	OVC	095			10.00		60	44	52	56	6	23	29.09	30.13
22	CLR	NC			10.00		57	42	49	57	5	18	29.08	30.12
SUNRISE: 0630 MAR 27 SUNSET: 1853														
01	CLR	NC			10.00		52	41	47	66	8	21	29.06	30.10
04	OVC	070			10.00		54	42	48	64	10	21	29.02	30.05
07	CLR	NC			10.00		57	37	47	47	17	20	28.99	30.02
10	SCT	065			10.00		61	37	49	41	18	23	29.01	30.04
13	FEW	070			10.00		71	39	54	31	25	22	28.95	29.98
16	SCT	080			10.00		69	40	54	35	13	22	28.87	29.91
19	FEW	065			10.00		66	41	53	40	11	22	28.84	29.87
22	CLR	NC			10.00		66	43	54	43	15	22	28.84	29.85
SUNRISE: 0629 MAR 28 SUNSET: 1854														
01	CLR	NC			10.00		63	47	54	56	14	23	28.84	29.87
04	SCT	060			10.00		63	48	55	58	16	21	28.87	29.89
07	BKN	040			10.00		62	52	56	70	20	21	28.90	29.93
10	OVC	029			10.00		62	55	58	78	11	23	28.96	29.98
13	OVC	070			10.00		68	56	61	66	14	21	28.95	29.98
16	BKN	070			10.00		68	56	61	66	13	20	28.94	29.96
19	OVC	100			10.00		64	55	59	73	7	22	28.96	29.99
22	OVC	024			10.00		54	48	51	80	9	02	29.05	30.09
SUNRISE: 0627 MAR 29 SUNSET: 1855														
01	OVC	024			10.00		48	44	46	86	13	02	29.09	30.13
04	OVC	026			6.00	-TSRA BR	46	45	46	96	9	03	29.09	30.13
07	OVC	018			5.00	RA BR	46	45	46	96	15	08	29.12	30.16
10	OVC	008			10.00		49	46	48	89	11	05	29.15	30.20
13	OVC	048			10.00		53	48	50	83	6	07	29.15	30.20
16	OVC	025			1.25	+RA BR	52	50	51	93	3	07	29.12	30.17
19	FEW	010			5.00	BR	53	51	52	93	10	07	29.12	30.16
22	OVC	022			6.00	BR	53	51	52	93	0	00	29.18	30.22
SUNRISE: 0626 MAR 30 SUNSET: 1856														
01	OVC	080			2.00	-RA BR	52	51	51	96	0	00	29.18	30.22
04	OVC	002			4.00	BR	51	50	50	96	6	04	29.18	30.23
07	OVC	004			6.00	BR	49	46	48	89	10	06	29.21	30.27
10	OVC	008			8.00		51	47	49	86	7	05	29.26	30.32
13	BKN	016			10.00		57	48	52	72	8	04	29.25	30.30
16	SCT	120			10.00		62	49	55	63	7	04	29.21	30.25
19	OVC	047			10.00		59	50	54	72	6	10	29.21	30.27
22	OVC	060			10.00		56	50	53	80	0	00	29.23	30.28

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0624 MAR 31 SUNSET: 1857														
01	BKN	100			10.00		53	47	50	80	5	01	29.23	30.29
04	CLR	NC			10.00		50	43	47	77	6	04	29.21	30.25
07	OVC	100			10.00	-RA	49	43	46	80	3	03	29.22	30.27
10	OVC	100			10.00		51	44	48	77	0	00	29.23	30.28
13	BKN	110			10.00		55	49	52	80	3	03	29.18	30.23
16	BKN	110			10.00		60	51	55	72	0	00	29.10	30.14
19	SCT	120			10.00		61	51	55	70	0	00	29.05	30.09
22	CLR	NC			10.00		57	52	54	83	8	23	29.03	30.07

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.

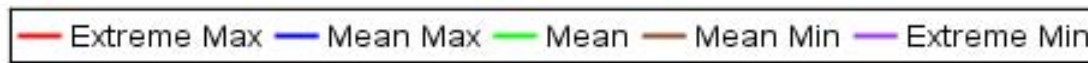
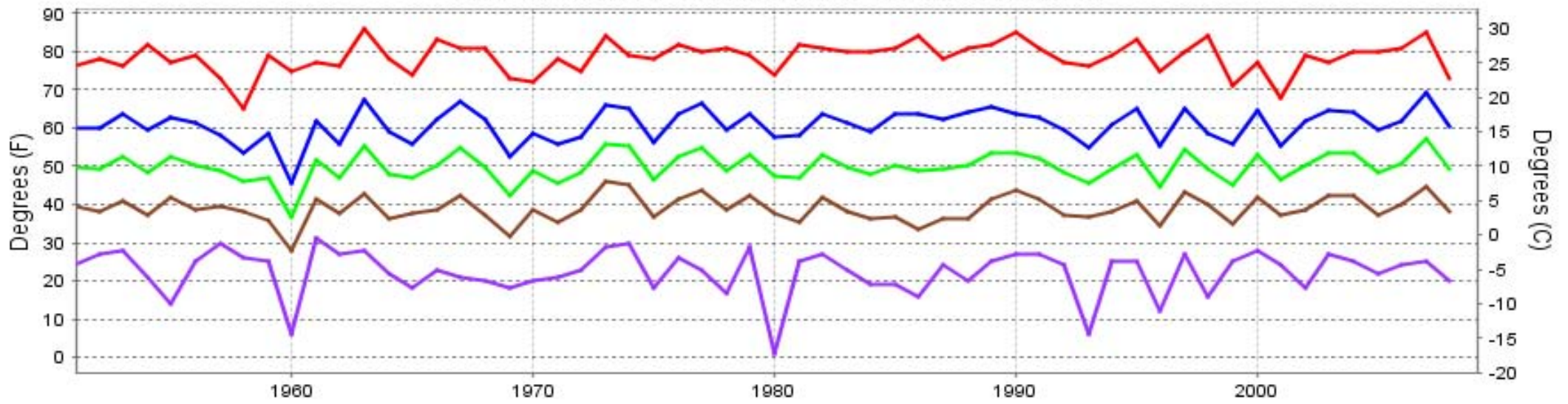
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

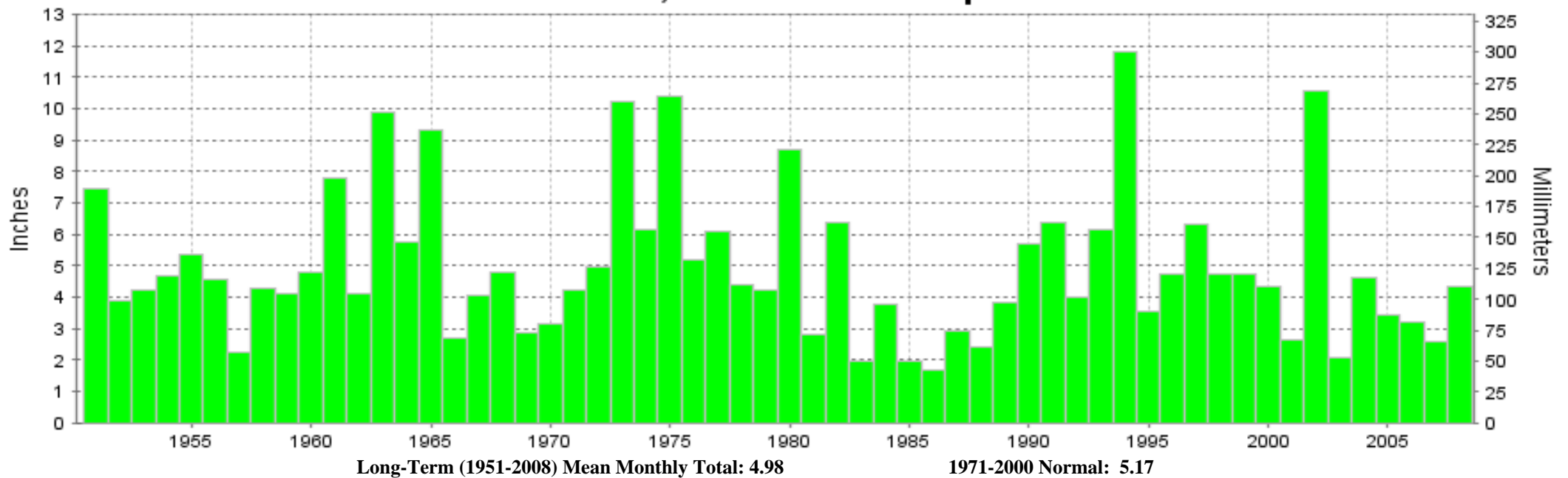
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			46	35	41	68	29.03	30.08	9.20	6	3	24
02			45	35	40	70	29.03	30.08	8.90	7	3	24
03			44	35	40	71	29.02	30.07	9.39	6	2	23
04			44	35	40	72	29.02	30.06	9.32	7	2	23
05			44	35	40	73	29.02	30.07	9.42	6	2	23
06			43	34	39	75	29.04	30.08	9.39	7	3	24
07			42	34	39	75	29.04	30.09	8.74	7	2	23
08			44	35	40	73	29.05	30.10	8.80	7	2	23
09			47	36	42	68	29.06	30.11	9.05	9	2	23
10			49	37	44	64	29.06	30.11	8.84	9	3	24
11			51	37	45	61	29.06	30.11	8.90	8	3	25
12			53	37	46	58	29.05	30.09	8.86	8	2	24
13			56	38	47	54	29.02	30.07	9.18	9	3	24
14			58	38	48	52	29.00	30.04	9.52	9	5	26
15			58	38	49	51	28.98	30.02	9.31	11	7	26
16			59	38	49	50	28.97	30.01	9.59	11	5	26
17			58	37	48	50	28.96	30.01	9.52	11	7	26
18			57	38	48	52	28.97	30.02	9.74	10	6	26
19			54	37	46	56	28.98	30.03	9.71	8	4	25
20			52	37	45	58	29.00	30.04	9.77	7	3	25
21			51	36	44	60	29.01	30.05	9.65	7	4	25
22			49	36	43	62	29.02	30.07	9.60	7	3	24
23			48	36	43	64	29.02	30.07	9.49	7	3	24
24			47	35	42	67	29.02	30.07	9.52	7	3	24

KNOXVILLE, TN MARCH Temperatures



Long-Term (1951-2008) Mean: 49.8
 1971-2000 Normal: 49.7

KNOXVILLE, TN MARCH Precipitation



Long-Term (1951-2008) Mean Monthly Total: 4.98

1971-2000 Normal: 5.17



MARCH 2008
KNOXVILLE, TN

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