



MARCH 2015 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						
																			3-SEC		2-MIN				
																			SPEED 20	DIR 21	SPEED 22	DIR 23			
01	49	31	40	-6	35	38	25	0	RA BR	0		0.0	0.03	29.34	30.39	1.5	23	3.9	12	29	10	25	01		
02	46	40	43	-3	39	41	22	0	RA DZ BR	0		0.0	0.16	29.28	30.34	4.9	01	8.0	19	02	16	02	02		
03	51	41	46	0	42	44	19	0	RA FG BR	0		0.0	0.21	29.10	30.12	1.4	30	1.9	11	28	9	32	03		
04	71	41	56	10	54	57	9	0	RA BR	0		0.0	0.26	28.84	29.88	12.6	23	17.5	44*	20	35*	22	04		
05	41	22	32	-14	28	30	33	0	RA DZ FZRA FZDZ SN PL BR	0		T	0.95	29.07	30.20	11.4	36	11.6	25	34	18	36	05		
06	39	19*	29*	-18	18	25	36	0	SN	0		T	T	29.39	30.48	3.6	36	6.4	16	36	14	01	06		
07	56	24	40	-7	23	33	25	0		0		0.0	0.00	29.33	30.39	6.3	22	6.8	22	24	17	25	07		
08	65	32	49	2	22	39	16	0		0		0.0	0.00	29.20	30.25	4.4	23	4.9	16	22	13	21	08		
09	59	45	52	4	44	48	13	0	RA	0		0.0	0.11	29.18	30.22	1.1	21	2.0	32	25	23	27	09		
10	68	49	59	11	53	55	6	0	RA BR	0		0.0	0.10	29.04	30.07	4.5	23	6.9	27	20	23	21	10		
11	69	56	63	15	58	59	2	0	RA BR	0		0.0	0.67	29.09	30.15	1.7	36	4.2	19	01	15	36	11		
12	70	49	60	11	49	54	5	0	RA	0		0.0	T	29.25	30.30	6.0	04	7.9	20	04	17	04	12		
13	61	48	55	6	49	50	10	0	RA BR	0		0.0	0.27	29.21	30.25	4.3	01	5.1	14	02	12	03	13		
14	58	46	52	3	51	52	13	0	RA FG BR	0		0.0	0.15	29.01	30.05	3.9	23	5.1	17	22	14	23	14		
15	69	44	57	8	43	50	8	0	FG+ BCFG BR	0		0.0	0.00	29.15	30.21	2.6	04	4.4	14	03	13	04	15		
16	75	40	58	8	38	48	7	0		0		0.0	0.00	29.11	30.13	3.6	21	4.3	17	27	12	25	16		
17	76	50	63	13	45	53	2	0		0		0.0	0.00	28.95	29.99	3.8	30	9.1	27	01	21	33	17		
18	55	43	49	-1	32	42	16	0		0		0.0	0.00	29.10	30.15	9.4	03	9.6	21	04	17	04	18		
19	51	42	47	-4	41	44	18	0	RA DZ BR	0		0.0	0.77	29.05	30.09	5.0	03	5.3	15	04	13	03	19		
20	54	46	50	-1	49	50	15	0	RA DZ BR	0		0.0	0.04	29.04	30.09	4.3	25	5.3	13	26	10	25	20		
21	66	48	57	6	45	50	8	0	DZ BR	0		0.0	T	29.08	30.12	1.0	02	2.5	12	03	8	07	21		
22	66	48	57	6	46	51	8	0	RA BR	0		0.0	0.06	29.00	30.02	2.8	02	5.8	16	03	13	22	22		
23	72	46	59	7	44	51	6	0	BCFG BR	0		0.0	0.00	28.97	30.02	0.8	26	3.9	15	32	10	01	23		
24	72	51	62	10	46	53	3	0		0		0.0	0.00	29.05	30.08	3.9	25	4.5	16	24	14	24	24		
25	78*	56	67*	15	51	58	0	2		0		0.0	0.00	29.03	30.05	10.3	23	11.0	28	22	23	22	25		
26	75	45	60	8	52	56	5	0	RA BR	0		0.0	0.53	28.83	29.84	8.8	23	15.1	33	29	28	22	26		
27	52	36	44	-9	32	39	21	0	RA SN BR	0		T	0.01	28.84	29.90	10.3	35	10.7	29	32	21	32	27		
28	47	31	39	-15	16	30	26	0	SN	0		T	T	29.09	30.18	6.0	36	7.4	19	01	14	01	28		
29	60	25	43	-11	19	34	22	0		0		0.0	0.00	29.23	30.27	5.4	24	8.6	25	26	20	25	29		
30	68	46	57	3	35	46	8	0	RA BR	0		0.0	0.12	29.04	30.08	8.7	25	9.0	26	22	21	27	30		
31	76	39	58	4	40	49	7	0	RA	0		0.0	T	28.93	29.95	7.5	23	8.1	32	22	24	23	31		
										< MONTHLY AVERAGES TOTALS >				T	4.44	29.09	30.14	2.0	28	7.0	< MONTHLY AVERAGES				
										<-----DEPARTURE FROM NORMAL----->				0.10		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.12 DATE : 04-05				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY										GREATEST 24-HR SNOWFALL : T DATE : 28+				MAXIMUM : 30.53 06 1128											
MONTHLY										GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.67 26 1652											
SEASON TO DATE										NUMBER OF ->				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 7				PRECIPITATION >= 0.01 INCH: 16			
TOTAL DEPARTURE										DAYS WITH				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH: 12			
HEATING : 414 -47 3679 322														THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL >= 1.0 INCH : 0			
COOLING : 2 -3 2 -3																									

**MARCH 2015
KNOXVILLE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
MARCH 2015

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													01				0.01	T	T	0.01	0.01		T		01	0.03	0.03	
02	T		0.01	0.06	0.03	0.06	T	T			T		02										T	T	02	0.16	0.16	
03						0.02	T					0.03	03			0.01	0.02	0.01	0.07	0.05	0.01	0.01			03	0.21	0.21	
04			T	0.05	0.01	0.01	0.01						04					0.01	0.01	T		0.13	0.03	04	0.26	0.26		
05	T	0.01	0.08	0.07	0.23	0.05	0.04	0.02	0.03	0.23	0.12	0.06	05	T		T	0.01	T	T	T				05	0.95	0.95		
06					T	T	T	T	T				06												06	T	T	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09	T	T	T	0.01	T	0.03	0.03	0.01	0.01	T			09				T	T							09	0.11	0.11	
10	0.01	0.02	0.03	0.01	0.01	0.02	T	T	T	T	T	T	10	T	T	T	T								10	0.10	0.10	
11	0.01	T	0.01	0.03	0.01	0.01	0.06	0.21	0.11	0.07	0.13	0.01	11	0.01	T										11	0.67	0.67	
12													12												12	T	T	
13		T	T	T	0.01	0.02	0.02	0.04	0.05	0.01	0.08	T	13	0.01	0.01	0.02	T								13	0.27	0.27	
14							T	0.02	T	0.05	0.02	0.01	14		T	T	0.01			0.01	0.02	0.01	T	T	14	0.15	0.15	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19				T	0.02	0.08	0.09	0.09	0.08	0.12	0.16	0.06	19	0.01	0.02	0.01	0.01	0.01	T	T	0.01	T	T		19	0.77	0.77	
20		T	T	T	T	T	T			T	0.01	0.01	20	0.02	T	T	T								20	0.04	0.04	
21				T	T	T	T						21												21	T	T	
22													22						T	0.01	0.03	0.01	0.01	T	22	0.06	0.06	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26					0.03	0.03	0.08	0.20	0.09	0.08	0.02	26	0.53	0.53	
27	T	T	0.01	T	T	T	T	T	T				27											T	27	0.01	0.01	
28	T	T	T	T									28												28	T	T	
29													29												29	0.00	0.00	
30			T	0.07	0.04	0.01							30												30	0.12	0.12	
31													31					T							31	T	T	

* 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)	0.05	0.08	0.10	0.14	0.18	0.21	0.25	0.30	0.33	0.36	0.42	0.44
Ending Date	05	05	05	05	05	05	05	05	05	05	05	05
Ending Time (Hr/Min)	0222	0222	0442	0439	0445	1005	1005	1005	1029	1048	1119	1125

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.

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).

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	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

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

KNOXVILLE, TN MARCH 2015

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

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

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

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	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	2.50	10.00
02	1.25	10.00
03	0.75	10.00
04	4.00	10.00
05	1.50	10.00
06	8.00	10.00
07	9.00	10.00
08	10.00	10.00
09	7.00	10.00
10	4.00	10.00
11	1.25	10.00
12	10.00	10.00
13	3.00	10.00
14	0.50	10.00
15	0.25	10.00
16	9.00	10.00
17	8.00	10.00
18	10.00	10.00
19	1.25	10.00
20	2.00	10.00
21	5.00	10.00
22	5.00	10.00
23	0.75	10.00
24	10.00	10.00
25	10.00	10.00
26	2.50	10.00
27	4.00	10.00
28	7.00	10.00
29	10.00	10.00
30	4.00	10.00
31	10.00	10.00
AVGS	5.21	10.00
MINIMUM VISIBILITY (MILES)		
	<= .25	<= 3.0 >= 7.0
1	12	13

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
MARCH 2015 **KTYS**

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
SUNRISE: 0706					MAR 01					SUNSET: 1831					SUNRISE: 0658					MAR 07					SUNSET: 1836				
01	SCT	110	10.00		33	28	31	82	7	12	29.37	30.45	01	CLR	NC	10.00		29	22	27	75	0	00	29.36	30.44				
04	SCT	110	10.00		33	28	31	82	3	16	29.36	30.43	04	CLR	NC	10.00		26	21	24	81	3	16	29.36	30.44				
07	BKN	110	10.00		34	28	32	79	5	35	29.36	30.43	07	CLR	NC	10.00		25	21	24	85	0	00	29.39	30.48				
10	OVC	050	10.00		39	31	36	73	7	14	29.38	30.45	10	CLR	NC	10.00		36	25	32	64	5	22	29.41	30.49				
13	OVC	025	10.00		46	34	41	63	6	24	29.35	30.42	13	CLR	NC	10.00		49	26	40	41	9	23	29.34	30.41				
16	OVC	021	8.00	-RA	47	39	43	74	6	24	29.29	30.36	16	CLR	NC	10.00		56	22	42	27	9	25	29.25	30.32				
19	OVC	043	4.00	-RA BR	44	42	43	93	3	29	29.28	30.35	19	CLR	NC	10.00		48	25	39	41	8	20	29.23	30.30				
22	OVC	004	3.00	BR	44	43	44	96	0	00	29.27	30.34	22	CLR	NC	10.00		44	23	36	43	11	23	29.23	30.30				
SUNRISE: 0705					MAR 02					SUNSET: 1832					SUNRISE: 0657					MAR 08					SUNSET: 1837				
01	OVC	004	2.50	-RA BR	44	44	44	100	5	22	29.23	30.29	01	CLR	NC	10.00		41	23	34	49	11	24	29.24	30.30				
04	OVC	025	1.25	-RA BR	45	45	45	100	6	19	29.22	30.28	04	CLR	NC	10.00		38	22	32	52	6	27	29.22	30.28				
07	OVC	013	10.00		43	41	42	93	9	36	29.30	30.36	07	FEW	250	10.00		34	23	30	64	0	00	29.25	30.32				
10	OVC	025	6.00	BR	40	36	38	86	11	03	29.36	30.43	10	FEW	250	10.00		49	28	40	44	0	00	29.26	30.32				
13	OVC	030	10.00		44	36	40	73	9	35	29.34	30.40	13	FEW	250	10.00		60	19	43	20	7	21	29.19	30.24				
16	OVC	021	10.00		45	36	41	71	8	36	29.28	30.35	16	BKN	250	10.00		64	16	45	15	6	20	29.14	30.18				
19	BKN	200	10.00		42	36	39	79	7	07	29.26	30.32	19	OVC	250	10.00		58	21	43	24	6	21	29.13	30.18				
22	OVC	200	10.00		41	37	39	86	6	02	29.24	30.31	22	OVC	250	10.00		54	22	41	29	5	23	29.15	30.20				
SUNRISE: 0704					MAR 03					SUNSET: 1833					SUNRISE: 0655					MAR 09					SUNSET: 1838				
01	OVC	044	10.00		41	37	39	86	0	00	29.19	30.25	01	OVC	070	10.00	-RA	53	34	44	48	16	20	29.21	30.26				
04	OVC	038	10.00		42	36	39	79	3	03	29.14	30.19	04	OVC	050	10.00		49	40	45	71	0	00	29.16	30.21				
07	OVC	027	10.00	-RA	42	37	40	82	0	00	29.15	30.21	07	OVC	055	10.00	-RA	45	42	44	90	3	20	29.19	30.24				
10	OVC	050	10.00		44	39	42	83	0	00	29.15	30.20	10	OVC	090	10.00		50	45	48	83	0	00	29.21	30.27				
13	OVC	024	10.00		47	43	45	86	3	29	29.08	30.13	13	OVC	055	10.00		55	45	50	69	0	00	29.19	30.24				
16	OVC	024	7.00		50	45	48	83	0	00	29.00	30.05	16	BKN	200	10.00		58	44	51	60	5	01	29.13	30.18				
19	OVC	005	1.50	-RA BR	48	47	47	96	0	00	28.97	30.02	19	OVC	060	10.00		56	45	50	67	0	00	29.13	30.18				
22	OVC	002	1.25	-RA BR	49	48	48	97	0	00	28.94	29.99	22	OVC	075	10.00	-RA	52	48	50	86	3	07	29.14	30.19				
SUNRISE: 0702					MAR 04					SUNSET: 1833					SUNRISE: 0654					MAR 10					SUNSET: 1839				
01	BKN	090	4.00	BR	51	50	50	96	6	25	28.89	29.93	01	OVC	040	6.00	-RA BR	50	49	49	96	0	00	29.12	30.17				
04	OVC	070	5.00	-RA BR	58	57	57	97	14	24	28.86	29.90	04	OVC	060	7.00	-RA	50	48	49	93	5	01	29.06	30.10				
07	OVC	019	10.00		62	59	60	90	20	21	28.87	29.91	07	OVC	050	5.00	BR	49	48	48	97	5	02	29.04	30.09				
10	BKN	043	10.00		66	59	62	78	23	21	28.87	29.90	10	OVC	055	8.00		53	49	51	86	0	00	29.05	30.09				
13	BKN	046	10.00		70	59	63	68	23	21	28.84	29.87	13	OVC	065	10.00		59	54	56	83	0	00	29.01	30.05				
16	BKN	070	10.00		70	58	63	66	22	21	28.75	29.77	16	OVC	070	10.00		67	57	61	71	20	21	28.97	30.00				
19	OVC	095	10.00		60	53	56	78	10	33	28.77	29.79	19	OVC	060	10.00		65	56	60	73	8	24	28.99	30.03				
22	OVC	019	10.00	-RA	45	41	43	86	13	35	28.93	29.97	22	OVC	100	10.00		64	58	60	81	11	23	29.03	30.06				
SUNRISE: 0701					MAR 05					SUNSET: 1834					SUNRISE: 0653					MAR 11					SUNSET: 1840				
01	OVC	030	10.00	-RA	40	38	39	93	8	01	28.92	29.96	01	OVC	036	5.00	-RA BR	61	59	60	93	5	23	29.04	30.08				
04	OVC	028	4.00	+RA BR	37	35	36	93	11	01	28.91	29.95	04	OVC	019	6.00	-RA BR	60	59	59	96	7	22	29.04	30.06				
07	OVC	026	4.00	-RA BR	36	34	35	93	9	36	28.97	30.02	07	OVC	024	1.25	-RA BR	60	59	59	96	5	31	29.07	30.10				
10	OVC	012	2.00	RAPL	32	30	31	92	13	35	29.10	30.16	10	OVC	040	3.00	-RA BR	60	59	59	96	0	00	29.11	30.14				
13	OVC	014	10.00		31	28	30	89	14	35	29.09	30.16	13	OVC	025	10.00	-RA	62	60	61	93	0	00	29.12	30.15				
16	OVC	035	1.50	-FZRA BR	28	25	27	88	11	02	29.23	30.31	16	BKN	080	10.00		67	59	62	76	3	26	29.11	30.14				
19	OVC	085	6.00	-SN	25	21	24	85	13	35	29.32	30.40	19	BKN	250	10.00		63	58	60	84	5	05	29.15	30.19				
22	BKN	033	10.00		22	17	20	82	10	02	29.37	30.46	22	OVC	031	10.00		58	53	55	84	9	04	29.22	30.27				
SUNRISE: 0660					MAR 06					SUNSET: 1835					SUNRISE: 0651					MAR 12					SUNSET: 1841				
01	OVC	020	10.00		21	17	20	85	11	36	29.37	30.46	01	OVC	020	10.00		56	52	54	87	6	03	29.23	30.28				
04	OVC	026	10.00		20	14	18	78	11	02	29.38	30.47	04	SCT	250	10.00		51	49	50	92	9	01	29.24	30.28				
07	BKN	022	8.00	-SN	19	14	18	81	8	02	29.41	30.51	07	SCT	250	10.00		49	47	48	93	7	05	29.27	30.32				
10	SCT	018	10.00		25	18	23	75	8	05	29.44	30.53	10	BKN	200	10.00		57	47	52	69	15	04	29.31	30.36				
13	FEW	022	10.00		33	21	29	61	0	00	29.42	30.50	13	BKN	200	10.00		65	49	56	56	11	04	29.26	30.31				
16	FEW	030	10.00		37	18	30	46	5	VR	29.37	30.46	16	SCT	150	10.00		70	51	59	51	9	03	29.23	30.27				
19	CLR	NC	10.00		35	21	30	57	5	23	29.36	30.45	19	OVC	200	10.00		65	50	57	59	5	05	29.23	30.28				
22	CLR	NC	10.00		31	19	27	61	5	21	29.39	30.47	22	OVC	110	10.00	-RA	62	50	55	65	11	22	29.26	30.30				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
MARCH 2015 **KTYS**

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0650					MAR 13			SUNSET: 1841					SUNRISE: 0641					MAR 19			SUNSET: 1847				
01	OVC	070	10.00		59	50	54	72	3	33	29.24	30.28	01	OVC	090	10.00		50	29	41	44	7	03	29.05	30.09
04	OVC	055	10.00	-RA	56	53	54	90	3	36	29.23	30.27	04	OVC	060	10.00		49	30	41	48	9	04	29.04	30.09
07	OVC	085	7.00	-RA	54	53	53	97	0	00	29.24	30.29	07	OVC	044	6.00	RA BR	43	40	42	89	5	05	29.07	30.12
10	OVC	095	9.00	-RA	50	47	48	89	5	01	29.27	30.32	10	OVC	033	4.00	RA BR	43	41	42	93	10	03	29.06	30.11
13	OVC	050	7.00	-RA	50	49	49	96	6	32	29.24	30.29	13	OVC	005	2.00	-RA BR	46	44	45	93	7	03	29.04	30.09
16	OVC	004	8.00		51	49	50	92	10	02	29.16	30.21	16	OVC	006	5.00	-RA BR	48	46	47	93	0	00	29.00	30.05
19	BKN	070	10.00		49	47	48	93	7	05	29.15	30.19	19	OVC	015	1.50	-DZ BR	48	47	47	96	0	00	29.03	30.08
22	OVC	120	10.00		49	46	48	90	6	03	29.13	30.18	22	OVC	002	3.00	-DZ BR	47	46	47	97	3	35	29.05	30.10
SUNRISE: 0649					MAR 14			SUNSET: 1842					SUNRISE: 0640					MAR 20			SUNSET: 1847				
01	BKN	120	10.00		49	47	48	93	3	06	29.08	30.13	01	OVC	002	2.00	BR	47	46	47	97	0	00	29.04	30.09
04	BKN	200	10.00		48	46	47	93	3	01	29.01	30.06	04	OVC	003	4.00	-DZ BR	48	47	47	96	6	28	29.02	30.07
07	BKN	250	5.00	-RA BR	48	47	47	96	0	00	28.99	30.03	07	OVC	005	5.00	BR	48	47	47	96	6	25	29.03	30.09
10	OVC	011	1.50	-RA BR	50	49	49	96	5	21	29.02	30.07	10	OVC	005	4.00	-RA BR	50	48	49	93	6	25	29.06	30.11
13	OVC	004	2.50		54	52	53	93	6	25	28.99	30.03	13	OVC	005	5.00	-RA BR	52	51	51	97	9	22	29.05	30.10
16	OVC	009	3.00	BR	58	56	57	93	11	23	28.94	29.98	16	OVC	008	10.00		54	52	53	93	7	23	29.03	30.07
19	OVC	004	2.50	-RA BR	56	56	56	100	8	22	29.00	30.04	19	OVC	010	9.00		53	52	52	96	3	27	29.05	30.09
22	OVC	020	6.00	BR	56	55	55	97	5	24	29.06	30.10	22	OVC	029	10.00		53	50	51	89	3	29	29.08	30.13
SUNRISE: 0647					MAR 15			SUNSET: 1843					SUNRISE: 0639					MAR 21			SUNSET: 1848				
01	VV	001	0.25	FG	54	53	53	97	0	00	29.08	30.12	01	OVC	015	10.00		50	47	48	89	0	00	29.08	30.12
04	BKN	120	10.00		50	48	49	93	5	36	29.12	30.16	04	OVC	006	5.00	-DZ BR	48	47	47	96	5	34	29.08	30.12
07	SCT	150	10.00	BCFG	49	46	48	90	10	36	29.18	30.24	07	OVC	016	10.00		48	45	47	89	6	05	29.12	30.17
10	BKN	250	10.00		55	45	50	69	6	05	29.23	30.28	10	BKN	020	10.00		51	44	48	77	7	10	29.15	30.19
13	CLR	NC	10.00		63	40	51	43	5	VR	29.21	30.25	13	BKN	250	10.00		59	45	52	60	6	27	29.11	30.15
16	CLR	NC	10.00		68	38	53	33	8	06	29.14	30.18	16	BKN	150	10.00		65	44	54	47	0	00	29.03	30.06
19	BKN	150	10.00		64	38	51	38	3	21	29.15	30.20	19	OVC	150	10.00		61	42	51	50	0	00	29.04	30.08
22	SCT	150	10.00		56	40	48	55	0	00	29.16	30.21	22	OVC	150	10.00		58	45	51	62	0	00	29.04	30.08
SUNRISE: 0646					MAR 16			SUNSET: 1844					SUNRISE: 0637					MAR 22			SUNSET: 1849				
01	CLR	NC	10.00		48	41	45	77	5	19	29.15	30.20	01	OVC	150	10.00		53	48	50	83	3	01	29.05	30.09
04	CLR	NC	10.00		43	38	41	82	3	16	29.16	30.21	04	OVC	150	10.00		50	46	48	86	5	08	29.02	30.05
07	SCT	250	10.00		41	37	39	86	0	00	29.18	30.23	07	OVC	150	10.00		49	46	47	90	5	03	29.01	30.05
10	SCT	250	10.00		57	42	49	58	0	00	29.18	30.22	10	OVC	150	10.00		56	46	51	70	8	04	29.02	30.06
13	BKN	250	10.00		69	41	54	36	7	22	29.12	30.16	13	BKN	250	10.00		65	44	54	47	9	03	28.98	30.01
16	BKN	250	9.00		75	37	55	25	9	21	29.02	30.05	16	OVC	110	10.00		63	41	52	45	6	03	28.93	29.97
19	BKN	250	10.00		67	37	52	33	7	20	28.98	30.02	19	OVC	065	6.00	-RA	58	48	53	70	8	22	28.95	29.99
22	SCT	250	10.00		63	33	49	33	5	23	28.98	30.01	22	OVC	070	6.00	-RA BR	53	50	51	89	6	20	28.99	30.03
SUNRISE: 0644					MAR 17			SUNSET: 1845					SUNRISE: 0636					MAR 23			SUNSET: 1850				
01	CLR	NC	10.00		57	36	47	45	8	21	28.95	29.98	01	OVC	110	10.00		51	50	50	96	7	33	28.95	29.99
04	CLR	NC	10.00		56	37	47	49	6	23	28.93	29.96	04	SCT	200	6.00	BR	50	49	49	96	0	00	28.96	29.99
07	BKN	250	10.00		56	43	49	62	7	21	28.95	29.98	07	SCT	150	0.75	BCFG BR	46	46	46	100	3	04	28.99	30.04
10	SCT	250	10.00		65	52	58	63	10	23	28.93	29.96	10	FEW	026	10.00		59	49	54	69	3	06	29.02	30.06
13	BKN	250	10.00		72	51	60	48	6	VR	28.90	29.93	13	FEW	032	10.00		67	42	54	41	8	01	28.99	30.02
16	BKN	250	10.00		70	51	59	51	14	33	28.93	29.96	16	FEW	040	10.00		70	36	53	29	0	00	28.94	29.97
19	SCT	250	10.00		64	47	55	54	5	32	28.99	30.02	19	FEW	050	10.00		66	40	53	39	5	22	28.95	29.99
22	CLR	NC	10.00		55	37	46	51	18	36	29.06	30.10	22	CLR	NC	10.00		59	39	49	48	6	24	29.00	30.03
SUNRISE: 0643					MAR 18			SUNSET: 1846					SUNRISE: 0634					MAR 24			SUNSET: 1851				
01	CLR	NC	10.00		48	36	43	63	0	00	29.07	30.11	01	FEW	050	10.00		55	45	50	69	8	23	29.02	30.05
04	CLR	NC	10.00		46	31	40	56	8	03	29.10	30.14	04	CLR	NC	10.00		53	45	49	74	3	22	29.02	30.06
07	BKN	150	10.00		43	30	38	60	10	02	29.14	30.18	07	FEW	250	10.00		52	46	49	80	9	26	29.07	30.10
10	OVC	160	10.00		45	31	39	58	14	03	29.15	30.21	10	FEW	250	10.00		64	49	56	58	7	25	29.10	30.14
13	OVC	250	10.00		53	32	44	45	10	01	29.13	30.18	13	SCT	250	10.00		69	48	57	47	5	24	29.08	30.12
16	OVC	250	10.00		53	32	44	45	13	02	29.07	30.11	16	OVC	250	10.00		72	45	57	38	8	29	29.03	30.06
19	OVC	100	10.00		51	33	43	50	6	04	29.08	30.13	19	OVC	250	10.00		70	42	55	37	0	00	29.02	30.06
22	OVC	100	10.00		50	33	42	52	8	04	29.07	30.12	22	BKN	250	10.00		62	46	54	56	0	00	29.02	30.06

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

MARCH 2015

KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0633 MAR 25					SUNSET: 1852							
01	CLR	NC	10.00		57	46	51	67	6	19	29.03	30.06
04	SCT	250	10.00		57	47	52	69	6	20	29.01	30.04
07	BKN	250	10.00		57	50	53	78	7	24	29.10	30.13
10	FEW	250	10.00		66	54	59	65	17	23	29.10	30.13
13	FEW	060	10.00		75	53	62	46	17	23	29.04	30.07
16	FEW	250	10.00		77	51	62	40	16	25	28.97	30.00
19	BKN	250	10.00		70	52	60	53	9	22	28.97	30.00
22	SCT	065	10.00		65	51	57	61	7	20	28.96	29.98
SUNRISE: 0631 MAR 26					SUNSET: 1852							
01	BKN	065	10.00		63	53	57	70	10	21	28.95	29.97
04	OVC	075	10.00		64	54	58	70	14	18	28.87	29.89
07	BKN	250	10.00		62	54	57	75	9	24	28.88	29.90
10	BKN	120	10.00		67	56	61	68	22	22	28.84	29.86
13	OVC	250	10.00		73	55	62	53	23	21	28.77	29.78
16	OVC	200	10.00		74	50	60	43	23	21	28.67	29.68
19	OVC	032	2.50	-RA BR	56	53	54	90	20	34	28.73	29.76
22	OVC	038	9.00	-RA	47	44	46	90	10	02	28.85	29.89
SUNRISE: 0630 MAR 27					SUNSET: 1853							
01	OVC	040	10.00		44	41	43	89	9	36	28.84	29.87
04	OVC	030	10.00	-RA	42	39	41	89	13	36	28.78	29.81
07	OVC	047	4.00	-RA BR	41	38	40	89	11	01	28.82	29.85
10	OVC	028	10.00		43	32	38	65	15	35	28.86	29.91
13	BKN	042	10.00		48	29	40	48	9	33	28.85	29.90
16	OVC	075	10.00		49	27	40	43	8	32	28.82	29.86
19	OVC	060	10.00		42	29	37	60	9	34	28.88	29.93
22	OVC	060	10.00		39	27	34	62	13	35	28.96	30.02
SUNRISE: 0629 MAR 28					SUNSET: 1854							
01	OVC	048	9.00	-SN	35	24	31	64	7	33	29.00	30.05
04	OVC	050	10.00		33	20	28	58	7	35	29.00	30.06
07	BKN	100	10.00		31	19	27	61	9	02	29.08	30.14
10	FEW	040	10.00		35	17	29	48	6	07	29.13	30.20
13	FEW	030	10.00		41	15	32	35	5	VR	29.14	30.20
16	FEW	150	10.00		46	15	35	29	8	23	29.11	30.17
19	CLR	NC	10.00		42	10	31	27	10	36	29.15	30.22
22	CLR	NC	10.00		37	12	29	36	7	35	29.23	30.30
SUNRISE: 0627 MAR 29					SUNSET: 1855							
01	CLR	NC	10.00		32	15	27	50	3	05	29.27	30.35
04	CLR	NC	10.00		28	17	24	63	5	02	29.28	30.35
07	CLR	NC	10.00		26	18	23	71	3	04	29.31	30.39
10	FEW	250	10.00		40	19	32	43	3	VR	29.33	30.40
13	FEW	250	10.00		51	16	38	25	14	22	29.25	30.32
16	FEW	250	10.00		59	17	42	19	10	22	29.14	30.19
19	SCT	250	10.00		54	22	41	29	10	24	29.08	30.14
22	FEW	046	10.00		53	26	42	35	18	24	29.06	30.11
SUNRISE: 0626 MAR 30					SUNSET: 1856							
01	OVC	060	10.00		53	28	42	38	10	24	29.03	30.08
04	OVC	070	9.00	-RA	48	43	46	83	14	23	29.00	30.04
07	OVC	060	4.00	BR	46	44	45	93	7	25	29.06	30.11
10	SCT	150	10.00		53	47	50	80	9	25	29.11	30.15
13	FEW	040	10.00		63	38	51	40	13	26	29.07	30.11
16	FEW	250	10.00		67	28	49	23	8	26	29.00	30.04
19	FEW	250	10.00		62	26	46	25	9	28	29.01	30.05
22	CLR	NC	10.00		54	27	42	35	5	26	29.06	30.10

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0624 MAR 31					SUNSET: 1857							
01	CLR	NC	10.00		48	30	40	50	0	00	29.04	30.08
04	CLR	NC	10.00		41	33	38	73	0	00	28.99	30.03
07	SCT	250	10.00		39	33	36	79	0	00	29.00	30.04
10	FEW	250	10.00		62	39	51	43	15	23	28.97	30.01
13	FEW	250	10.00		72	46	58	40	16	23	28.89	29.92
16	BKN	250	10.00		72	49	59	44	14	22	28.81	29.84
19	SCT	250	10.00		70	44	56	39	9	27	28.81	29.84
22	FEW	060	10.00		63	42	52	47	7	22	28.85	29.88

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.

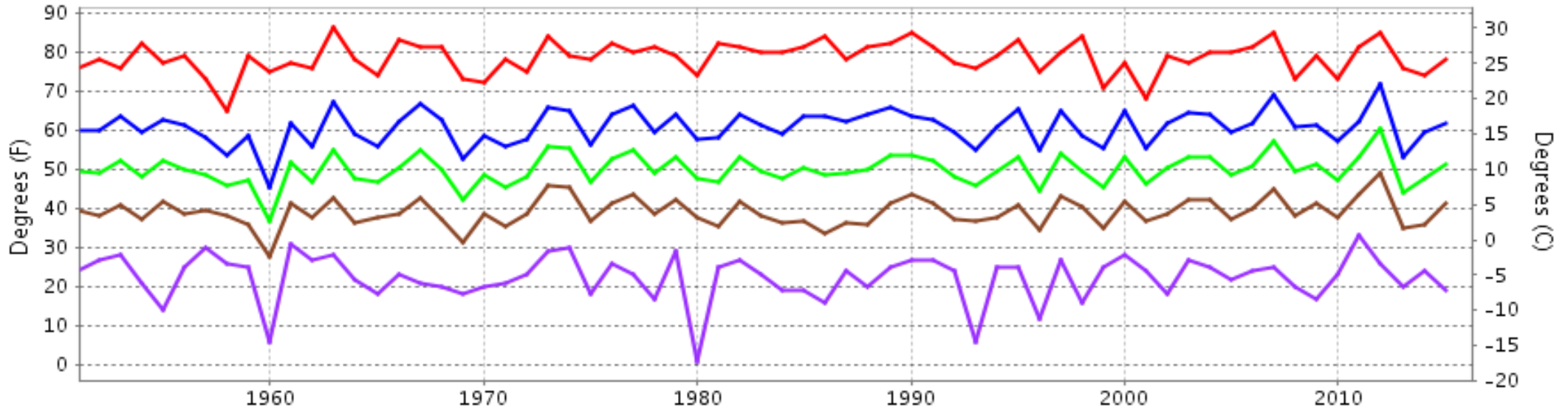
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	48	39	44	76	29.10	30.15	8.67	5	3	32
02	47	39	44	76	29.10	30.14	8.89	6	2	32
03	47	39	43	77	29.09	30.14	9.06	6	2	31
04	46	39	43	80	29.08	30.13	8.62	6	2	33
05	45	40	43	83	29.09	30.14	8.69	5	3	32
06	45	40	43	83	29.10	30.14	8.14	5	2	32
07	44	40	42	85	29.11	30.16	8.06	6	2	33
08	46	40	43	83	29.12	30.17	7.75	7	2	33
09	48	41	45	77	29.13	30.18	8.73	8	2	34
10	50	41	46	72	29.13	30.18	8.63	8	2	33
11	53	41	47	67	29.13	30.18	8.45	7	3	31
12	55	41	48	63	29.11	30.16	9.08	9	3	30
13	57	41	49	59	29.10	30.15	9.24	8	5	29
14	59	41	50	57	29.07	30.12	9.21	9	4	29
15	59	40	50	54	29.06	30.10	8.94	9	5	29
16	60	40	50	53	29.05	30.09	9.08	9	4	29
17	59	39	50	53	29.04	30.09	9.61	9	5	29
18	58	39	49	56	29.05	30.09	9.02	7	4	30
19	55	40	48	62	29.06	30.11	8.48	6	3	30
20	54	39	47	62	29.07	30.12	8.63	7	3	30
21	52	39	46	65	29.08	30.13	8.79	7	2	31
22	51	39	46	67	29.09	30.14	8.98	7	3	31
23	50	39	45	70	29.09	30.14	8.87	6	2	32
24	49	40	45	73	29.09	30.14	8.70	5	3	31

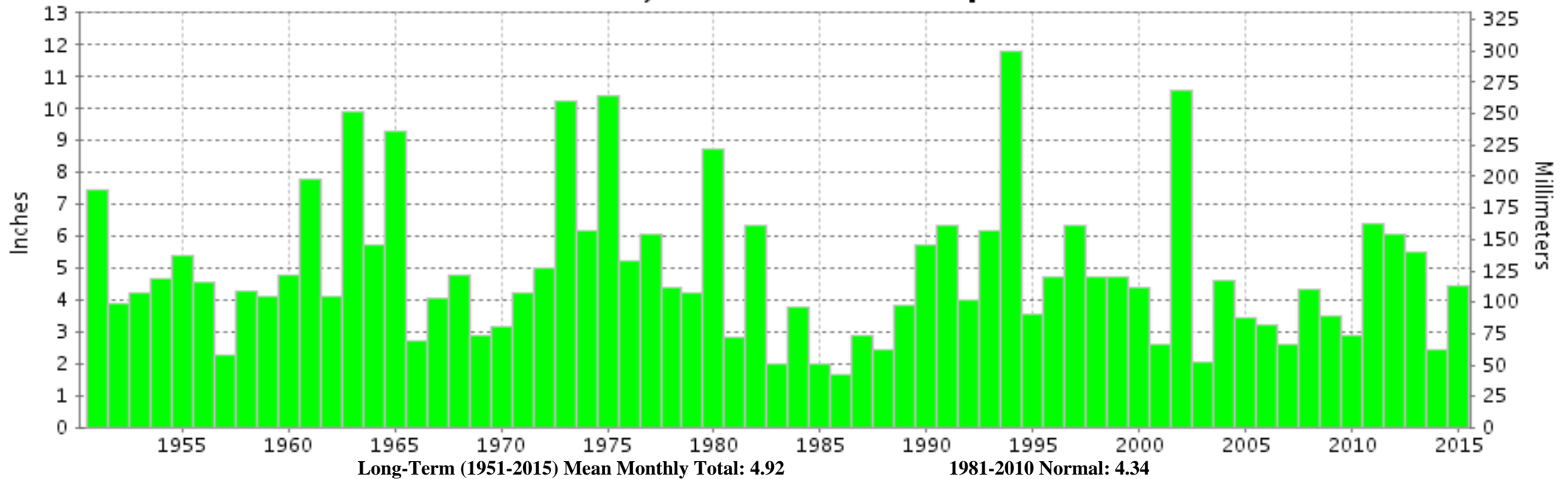
KNOXVILLE, TN MARCH Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1951-2015) Mean: 49.9
1981-2010 Normal: 50.3

KNOXVILLE, TN MARCH Precipitation



Long-Term (1951-2015) Mean Monthly Total: 4.92

1981-2010 Normal: 4.34



**MARCH 2015
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.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

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