



FEBRUARY 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						
									DEPTH 11	WATER- EQUIV 12	SNOW- FALL 13	WATER EQUIV 14			SPEED 20	DIR 21	SPEED 22	DIR 23									
01	57	35	46	7	33	39	19	0	RA BR	0		0.0	0.48	28.98	29.98	1.7	18	5.9	39	26	26	26	01				
02	54	27	41	2	27	32	24	0	TS RA SN BR	0		T	0.17	28.87	30.00	9.4	28	12.0	37	29	26	28	02				
03	44	21	33	-6	19	27	32	0		0		0.0	0.00	29.25	30.32	0.8	26	2.3	13	26	9	26	03				
04	52	22	37	-2	22	31	28	0		0		0.0	0.00	29.13	30.18	2.2	25	4.0	18	26	15	26	04				
05	41	24	33	-7	16	28	32	0		0		0.0	0.00	29.15	30.25	7.5	36	8.6	24	01	20	36	05				
06	46	15	31	-9	11	25	34	0		0		0.0	0.00	29.28	30.35	2.8	23	4.5	17	20	14	20	06				
07	61	25	43	3	18	34	22	0		0		0.0	0.00	29.11	30.15	10.0	23	10.8	31	24	25	24	07				
08	63*	46	55*	15	39	48	10	0	RA	0		0.0	T	28.92	29.94	15.8	22	16.1	36	22	29	23	08				
09	59	38	49	9	47	49	16	0	RA BR	0		0.0	0.09	28.77	29.82	4.1	31	9.7	25	33	20	34	09				
10	45	29	37	-4	29	33	28	0	RA SN	0		T	T	28.97	30.03	9.5	01	9.8	22	36	17	36	10				
11	53	25	39	-2	29	34	26	0	BR	0		0.0	0.00	28.99	30.06	1.2	27	5.1	14	22	12	24	11				
12	40	23	32	-9	18	28	33	0	SN	0		T	T	29.07	30.17	8.3	31	12.1	34	26	28	28	12				
13	37	20	29	-12	7	21	36	0		0		0.0	0.00	29.21	30.28	1.8	34	6.1	22	02	16	02	13				
14	47	21	34	-8	15	29	31	0		0		0.0	0.00	28.98	30.05	12.6	25	16.1	49*	27	35*	28	14				
15	28	10	19	-23	-2	15	46	0		0		0.0	0.00	29.28	30.37	10.5	03	11.4	27	03	20	04	15				
16	32	24	28	-14	15	24	37	0	RA FZRA SN PL FG BR	1		0.7	1.22	28.96	29.99	6.2	04	7.0	18	04	15	05	16				
17	31	17	24	-18	18	21	41	0	RA FZRA SN BR	0		T	0.01	28.92	30.01	2.6	34	7.2	22	34	16	35	17				
18	28	13	21	-21	14	18	44	0	SN FZFG BR	0		T	T	28.95	30.06	11.1	25	12.4	34	26	26	26	18				
19	16	4	10*	-33	1	8	55	0		0		0.0	0.00	29.24	30.36	8.7	25	9.2	27	27	20	24	19				
20	24	3*	14	-29	9	14	51	0	SN BR	0		T	0.02	29.30	30.40	2.1	06	2.9	10	04	8	04	20				
21	40	23	32	-11	29	30	33	0	RA FZRA SN PL BR	0		T	1.04	29.05	30.12	1.9	03	4.6	17	28	15	28	21				
22	42	34	38	-6	36	37	27	0	RA FG BR	0		0.0	0.05	29.10	30.20	4.8	01	5.3	17	01	13	36	22				
23	35	28	32	-12	24	29	33	0	RA DZ SN BR HZ	0		T	T	29.28	30.36	9.7	01	10.1	22	01	17	01	23				
24	31	24	28	-16	23	25	37	0	SN FZFG BR	2		3.0	0.27	29.05	30.10	1.9	25	5.0	14	05	12	05	24				
25	34	14	24	-20	21	24	41	0	SN FG+ FZFG BR UP	6		4.3	0.26	28.87	29.92	4.3	04	4.7	18	05	15	05	25				
26	37	27	32	-13	29	31	33	0	SN FG+ FZFG BR	3		0.2	0.14	28.87	29.97	2.4	23	3.2	11	22	10	22	26				
27	35	24	30	-15	17	25	35	0		0		0.0	0.00	29.35	30.43	7.8	01	7.9	20	01	16	02	27				
28	47	23	35	-11	20	29	30	0		0		0.0	0.00	29.47	30.55	5.6	03	6.1	14	03	13	06	28				
										< MONTHLY AVERAGES TOTALS >										< MONTHLY AVERAGES							
										-10.9 -9.6 -10.3				DEPARTURE FROM NORMAL				-0.51		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.23 DATE : 16-17				SEA LEVEL PRESSURE				DATE TIME									
MONTHLY										GREATEST 24-HR SNOWFALL : 4.3 DATE : 25				MAXIMUM : 30.64				28 1135									
SEASON TO DATE										GREATEST SNOW DEPTH : 6 DATE : 25				MINIMUM : 29.60				02 0053									
TOTAL DEPARTURE										NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 24				PRECIPITATION >= 0.01 INCH : 11					
HEATING : 914 280 3265 369										THUNDERSTORMS : 1				MAXIMUM TEMP <= 32 : 7				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 7					
COOLING : 0 0 0 0																		SNOWFALL >= 1.0 INCH : 2									

**FEBRUARY 2015
KNOXVILLE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
FEBRUARY 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												01	0.48	0.48	
02	0.11	0.04	0.01	T		T	0.01	T		T	T	T	02	T	0.01	0.01	0.02	0.01	T	T	T	0.05	0.30	0.08	02	0.17	0.17	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08											T	08	T	T	
09													09	0.05	0.01		0.02	0.01	T			T		09	0.09	0.09		
10					T	T	T	T					10											T	10	T	T	
11													11												11	0.00	0.00	
12													12	T	T	T									12	T	T	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16												0.01	16	0.06	0.10	0.12	0.17	0.15	0.13	0.09	0.11	0.14	0.06	0.04	0.04	16	1.22	1.22
17	0.01	T	T	T									17												17	0.01	0.01	
18								T	T	T	T		18	T		T	T	T	T					18	T	T		
19													19												19	0.00	0.00	
20													20				T	T		T	T	T	0.01	0.01	20	0.02	0.02	
21	T	0.07	0.02	0.02	0.03	0.08	0.06	0.06	0.01	0.02	0.02	T	21	T	T	0.01	0.02	0.05	0.01	0.06	0.13	0.19	0.08	0.09	0.01	21	1.04	1.04
22	T	T	0.01	0.01	0.01	0.02	T	T					22												22	0.05	0.05	
23	T	T	T	T	T	T	T	T	T	T	T		23								T				23	T	T	
24			0.03	0.04	0.04	0.05	0.04	0.02	0.02	0.01	0.01	0.01	24	T											24	0.27	0.27	
25					T						T	0.01	25		T				T	0.02	0.09	0.03	0.05	0.06	25	0.26	0.26	
26	0.06	0.04	0.01	0.03	T	T	T	T					26												26	0.14	0.14	
27													27												27	0.00	0.00	
28													28												28	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)	0.12	0.16	0.19	0.22	0.25	0.29	0.34	0.37	0.41	0.43	0.44	0.51
Ending Date	01	01	01	01	01	01	01	01	01	01	02	02
Ending Time (Hr/Min)	2211	2212	2213	2213	2223	2234	2250	2309	2331	2344	0009	0041

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 FEBRUARY 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	5.00	10.00
02	3.00	10.00
03	10.00	10.00
04	9.00	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	10.00	10.00
09	2.00	10.00
10	7.00	10.00
11	6.00	10.00
12	3.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	0.75	10.00
17	2.50	10.00
18	0.50	10.00
19	7.00	10.00
20	4.00	10.00
21	1.75	10.00
22	0.50	5.00
23	2.50	10.00
24	0.50	10.00
25	0.12	10.00
26	0.12	10.00
27	7.00	10.00
28	10.00	10.00
AVGS	5.44	9.82
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
2	12	13

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
FEBRUARY 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: 0736					FEB 01					SUNSET: 1803					SUNRISE: 0731					FEB 07					SUNSET: 1809				
01	OVC	110	10.00		38	23	32	55	0	00	29.19	30.25	01	CLR	NC	10.00		34	10	27	37	5	26	29.18	30.25				
04	OVC	120	10.00		36	26	32	67	0	00	29.14	30.20	04	CLR	NC	10.00		30	13	25	49	3	05	29.18	30.25				
07	OVC	110	10.00		35	26	32	70	8	07	29.07	30.13	07	FEW	200	10.00		25	18	23	75	3	08	29.18	30.26				
10	BKN	110	10.00		39	24	33	55	3	06	29.07	30.13	10	FEW	200	10.00		39	18	32	43	3	26	29.18	30.24				
13	OVC	090	10.00		45	27	38	49	0	00	28.95	30.01	13	SCT	250	10.00		56	20	41	24	18	21	29.09	30.14				
16	OVC	046	7.00	-RA	44	39	42	83	5	03	28.82	29.86	16	FEW	250	10.00		61	22	44	22	20	23	28.99	30.04				
19	OVC	045	10.00	-RA	44	42	43	93	0	00	28.72	29.77	19	CLR	NC	10.00		54	20	40	26	17	24	29.00	30.06				
22	OVC	040	5.00	+RA	55	48	51	77	14	25	28.64	29.67	22	CLR	NC	10.00		50	22	39	33	13	24	28.99	30.04				
SUNRISE: 0735					FEB 02					SUNRISE: 1804					SUNRISE: 0730					FEB 08					SUNSET: 1810				
01	OVC	046	6.00	-RA BR	53	51	52	93	15	21	28.57	29.60	01	CLR	NC	10.00		50	20	38	30	14	23	28.98	30.03				
04	OVC	035	10.00		47	44	46	90	9	27	28.63	29.67	04	CLR	NC	10.00		46	25	38	44	10	23	28.97	30.01				
07	OVC	060	10.00	-RA	40	33	37	77	20	28	28.73	29.77	07	FEW	200	10.00		49	36	43	61	20	21	28.97	30.02				
10	OVC	055	9.00		34	27	31	76	18	27	28.89	29.94	10	OVC	037	10.00		53	42	48	66	28	21	28.99	30.03				
13	OVC	043	10.00		30	20	27	66	16	26	29.03	30.09	13	OVC	043	10.00		59	46	52	62	20	21	28.91	29.95				
16	OVC	039	10.00		30	20	27	66	8	28	29.10	30.16	16	OVC	049	10.00		62	44	53	52	21	22	28.82	29.86				
19	OVC	034	10.00		29	18	25	63	6	36	29.15	30.22	19	OVC	065	10.00		60	45	52	58	11	22	28.84	29.87				
22	OVC	031	10.00		27	16	24	63	5	03	29.19	30.27	22	OVC	060	10.00		59	46	52	62	13	21	28.82	29.85				
SUNRISE: 0735					FEB 03					SUNRISE: 1805					SUNRISE: 0729					FEB 09					SUNSET: 1811				
01	OVC	030	10.00		26	18	23	71	3	06	29.23	30.31	01	OVC	040	10.00		59	47	53	64	11	21	28.79	29.81				
04	CLR	NC	10.00		22	16	20	78	6	31	29.23	30.32	04	OVC	046	10.00		57	50	53	78	11	22	28.77	29.79				
07	FEW	250	10.00		22	18	21	85	3	15	29.26	30.35	07	OVC	025	10.00		55	51	53	87	7	23	28.77	29.80				
10	SCT	250	10.00		28	18	25	66	3	08	29.29	30.37	10	OVC	007	9.00		55	52	53	90	5	26	28.77	29.79				
13	SCT	250	10.00		35	22	30	59	5	14	29.29	30.37	13	OVC	055	2.00	-RA BR	56	52	54	87	5	35	28.75	29.78				
16	FEW	250	10.00		43	15	33	32	7	27	29.21	30.29	16	OVC	048	4.00	RA BR	55	51	53	87	7	33	28.72	29.75				
19	SCT	250	10.00		37	18	30	46	0	00	29.22	30.30	19	OVC	080	10.00		46	41	44	83	11	01	28.82	29.85				
22	SCT	250	10.00		33	19	28	56	0	00	29.22	30.30	22	OVC	030	10.00		40	35	38	83	14	01	28.88	29.93				
SUNRISE: 0734					FEB 04					SUNRISE: 1806					SUNRISE: 0728					FEB 10					SUNSET: 1812				
01	BKN	250	10.00		28	19	25	69	0	00	29.21	30.28	01	OVC	023	10.00		37	32	35	82	13	36	28.90	29.95				
04	FEW	250	10.00		26	21	24	81	0	00	29.18	30.26	04	OVC	015	10.00		34	29	32	82	11	35	28.91	29.96				
07	BKN	250	10.00		23	20	22	88	3	05	29.21	30.29	07	OVC	011	7.00	-RASN	32	29	31	88	9	36	28.96	30.01				
10	BKN	250	10.00		33	26	30	75	0	00	29.19	30.27	10	OVC	021	10.00		33	28	31	82	11	02	29.01	30.07				
13	BKN	250	10.00		46	27	38	47	9	31	29.10	30.16	13	BKN	150	10.00		39	29	35	67	8	01	29.00	30.06				
16	OVC	250	10.00		50	21	39	32	9	26	29.03	30.09	16	OVC	030	10.00		43	30	38	60	11	03	28.97	30.03				
19	OVC	250	10.00		44	24	36	45	6	24	29.04	30.11	19	OVC	027	10.00		36	28	33	73	10	36	29.00	30.07				
22	OVC	250	10.00		39	24	33	55	5	17	29.04	30.11	22	CLR	NC	10.00		31	26	29	82	7	36	29.00	30.07				
SUNRISE: 0733					FEB 05					SUNRISE: 1807					SUNRISE: 0727					FEB 11					SUNSET: 1813				
01	OVC	250	10.00		37	25	32	62	3	26	29.02	30.08	01	FEW	022	10.00		29	25	28	85	5	04	28.99	30.06				
04	OVC	065	10.00		39	26	34	60	0	00	29.02	30.07	04	CLR	NC	8.00		28	25	27	88	5	05	28.98	30.05				
07	OVC	100	10.00		35	26	32	70	13	34	29.11	30.17	07	CLR	NC	7.00		26	24	25	92	5	04	29.02	30.09				
10	BKN	250	10.00		32	20	28	61	17	03	29.21	30.29	10	FEW	028	10.00		34	28	32	79	0	00	29.04	30.11				
13	FEW	032	10.00		35	16	29	46	10	01	29.21	30.29	13	FEW	120	10.00		44	34	40	68	6	20	29.01	30.07				
16	CLR	NC	10.00		37	8	28	30	8	33	29.21	30.29	16	FEW	200	10.00		52	32	43	47	6	27	28.95	30.00				
19	CLR	NC	10.00		30	4	23	33	8	35	29.26	30.34	19	CLR	NC	10.00		47	30	40	52	6	22	28.96	30.02				
22	CLR	NC	10.00		26	5	20	40	6	02	29.29	30.38	22	CLR	NC	10.00		40	30	36	68	5	26	28.99	30.05				
SUNRISE: 0732					FEB 06					SUNRISE: 1808					SUNRISE: 0726					FEB 12					SUNSET: 1814				
01	CLR	NC	10.00		23	5	18	46	5	02	29.29	30.38	01	FEW	150	10.00		37	28	33	70	6	21	28.99	30.05				
04	CLR	NC	10.00		19	8	16	62	0	00	29.30	30.39	04	OVC	037	10.00		37	31	35	79	7	22	28.96	30.01				
07	CLR	NC	10.00		17	12	16	80	3	03	29.32	30.41	07	OVC	030	10.00		39	31	36	73	11	27	28.96	30.01				
10	BKN	250	10.00		25	14	22	63	0	00	29.34	30.43	10	FEW	030	10.00		36	22	31	57	21	27	29.03	30.09				
13	BKN	250	10.00		39	14	31	36	6	20	29.30	30.38	13	OVC	055	3.00	-SN	30	19	26	64	21	31	29.12	30.19				
16	SCT	250	10.00		46	9	34	22	11	21	29.23	30.30	16	SCT	060	10.00		32	7	25	35	13	32	29.16	30.23				
19	SCT	250	10.00		40	7	30	25	5	25	29.21	30.30	19	FEW	060	10.00		27	8	22	45	8	36	29.22	30.30				
22	FEW	150	10.00		36	10	28	34	6	22	29.19	30.27	22	SCT	060	10.00		24	9	20	52	14	01	29.26	30.34				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
FEBRUARY 2015 **KTYS**

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND		PRESSURE (INCHES, HG)			
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	DRY BULB						DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
																										DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)
SUNRISE: 0725					FEB 13					SUNSET: 1815					SUNRISE: 0719					FEB 19					SUNSET: 1821				
01	BKN	250	10.00		23	7	19	50	11	36	29.24	30.33	01	OVC	050	10.00		13	5	11	70	8	26	29.16	30.25				
04	SCT	200	10.00		20	7	17	57	7	35	29.25	30.34	04	CLR	NC	10.00		7	-2	5	66	9	28	29.19	30.29				
07	BKN	200	10.00		20	8	17	60	7	03	29.24	30.33	07	FEW	035	10.00		4	-3	3	73	6	25	29.25	30.36				
10	OVC	200	10.00		23	9	19	55	6	05	29.28	30.37	10	FEW	020	10.00		8	-3	6	60	10	25	29.30	30.41				
13	BKN	250	10.00		30	10	24	43	5	VR	29.23	30.32	13	SCT	035	10.00		12	-0	10	58	15	26	29.28	30.38				
16	FEW	250	10.00		34	4	25	28	5	17	29.15	30.23	16	SCT	041	10.00		16	4	13	59	18	26	29.25	30.35				
19	SCT	250	10.00		33	-0	24	24	3	21	29.12	30.20	19	SCT	040	10.00		12	4	10	70	8	24	29.28	30.40				
22	SCT	100	10.00		30	6	23	36	5	26	29.11	30.19	22	CLR	NC	10.00		9	2	8	73	9	26	29.30	30.41				
SUNRISE: 0724					FEB 14					SUNSET: 1816					SUNRISE: 0717					FEB 20					SUNSET: 1822				
01	OVC	050	10.00		30	13	25	49	9	23	29.11	30.18	01	CLR	NC	10.00		9	-2	7	61	5	31	29.30	30.42				
04	OVC	055	10.00		31	12	25	45	10	22	29.06	30.13	04	CLR	NC	10.00		6	-1	5	73	0	00	29.32	30.44				
07	SCT	150	10.00		29	11	24	47	13	22	29.02	30.09	07	SCT	120	10.00		4	-1	3	80	0	00	29.35	30.46				
10	OVC	250	10.00		37	14	29	39	22	23	29.00	30.06	10	BKN	110	10.00		12	3	10	67	6	VR	29.36	30.47				
13	BKN	250	10.00		45	20	36	37	18	23	28.91	29.96	13	OVC	150	10.00		19	10	17	68	0	00	29.32	30.42				
16	OVC	065	10.00		46	21	36	37	11	24	28.82	29.87	16	OVC	120	10.00		23	13	20	65	0	00	29.27	30.37				
19	OVC	045	10.00		42	25	35	51	29	29	28.91	29.98	19	OVC	060	10.00		23	17	21	78	5	09	29.24	30.35				
22	OVC	050	10.00		31	13	25	47	11	30	29.08	30.15	22	OVC	055	5.00	-SN BR	23	19	22	85	3	07	29.23	30.32				
SUNRISE: 0723					FEB 15					SUNSET: 1817					SUNRISE: 0716					FEB 21					SUNSET: 1823				
01	SCT	150	10.00		19	4	15	51	14	36	29.21	30.28	01	OVC	010	9.00	-FZRA	24	20	23	84	0	00	29.19	30.28				
04	FEW	150	10.00		14	-1	11	51	10	01	29.26	30.34	04	OVC	038	7.00		25	23	24	92	5	06	29.11	30.19				
07	CLR	NC	10.00		11	-5	8	48	10	05	29.33	30.42	07	OVC	055	2.00	-FZRAPL	27	25	26	92	0	00	29.08	30.16				
10	CLR	NC	10.00		16	-5	12	38	16	04	29.35	30.44	10	OVC	055	3.00	-SN	29	27	28	92	3	06	29.07	30.15				
13	FEW	030	10.00		23	-4	17	30	13	04	29.32	30.42	13	OVC	060	3.00	-SN	32	30	31	92	7	01	28.99	30.06				
16	FEW	150	10.00		27	-4	20	25	7	05	29.24	30.34	16	OVC	055	4.00		38	32	36	79	11	24	28.93	30.00				
19	OVC	080	10.00		26	-3	19	28	9	04	29.24	30.35	19	OVC	055	4.00	RA BR	35	34	35	96	9	03	28.95	30.02				
22	OVC	080	10.00		26	-1	19	31	13	04	29.23	30.32	22	OVC	070	5.00	RA BR	36	35	36	97	8	15	29.04	30.11				
SUNRISE: 0722					FEB 16					SUNSET: 1818					SUNRISE: 0715					FEB 22					SUNSET: 1824				
01	OVC	060	10.00		26	-1	19	31	11	04	29.18	30.27	01	OVC	050	1.25	-RA BR	35	35	35	100	8	35	28.99	30.05				
04	OVC	050	10.00		25	2	19	37	13	03	29.10	30.18	04	OVC	004	0.75	-RA BR	36	35	36	97	0	00	29.04	30.10				
07	OVC	044	10.00		25	3	19	39	10	04	29.06	30.13	07	OVC	004	0.50	-RA FG	36	36	36	100	3	07	29.09	30.15				
10	OVC	049	10.00		25	5	20	42	9	04	29.02	30.10	10	OVC	003	1.00	BR	37	36	37	96	6	01	29.14	30.21				
13	OVC	044	7.00	-FZRA	25	17	22	72	8	02	28.88	29.96	13	OVC	002	0.50	BR	41	40	41	96	3	03	29.14	30.21				
16	OVC	014	0.75	FZRAPL BR	28	26	27	92	3	34	28.74	29.81	16	OVC	005	1.50	BR	42	41	42	96	3	01	29.15	30.21				
19	OVC	013	3.00	FZRA BR	31	29	30	92	0	00	28.73	29.79	19	OVC	014	4.00	BR	39	35	37	86	7	01	29.21	30.27				
22	OVC	027	1.75	-FZRA BR	31	31	31	100	5	30	28.78	29.84	22	OVC	009	5.00	BR	36	33	35	89	7	36	29.23	30.30				
SUNRISE: 0721					FEB 17					SUNSET: 1819					SUNRISE: 0714					FEB 23					SUNSET: 1825				
01	OVC	020	3.00	-FZRA BR	29	27	28	92	8	35	28.79	29.85	01	OVC	011	3.00	-DZ BR	34	32	33	92	5	36	29.26	30.33				
04	OVC	021	7.00		22	18	21	85	14	35	28.84	29.92	04	OVC	011	10.00	-RA	33	31	32	92	7	03	29.24	30.32				
07	BKN	030	10.00		19	15	18	84	5	35	28.92	30.00	07	OVC	012	8.00	-RA	32	29	31	88	9	36	29.29	30.37				
10	BKN	012	10.00		20	14	18	78	9	03	29.00	30.07	10	OVC	027	2.50	-SN	33	28	31	82	13	03	29.31	30.39				
13	OVC	013	10.00		22	17	20	82	3	03	28.98	30.06	13	OVC	020	8.00		33	25	30	72	13	36	29.31	30.39				
16	OVC	015	10.00		23	18	21	81	6	18	28.96	30.04	16	OVC	024	10.00		32	21	28	64	9	36	29.32	30.40				
19	OVC	019	10.00		23	19	22	85	8	18	28.98	30.06	19	OVC	028	10.00		30	18	26	61	9	03	29.28	30.36				
22	CLR	NC	8.00		20	18	19	92	5	21	28.98	30.06	22	OVC	026	10.00		29	16	25	58	13	03	29.22	30.30				
SUNRISE: 0720					FEB 18					SUNSET: 1820					SUNRISE: 0713					FEB 24					SUNSET: 1826				
01	SCT	014	7.00		18	15	17	88	7	21	28.97	30.06	01	OVC	023	10.00		28	16	24	60	10	03	29.15	30.23				
04	CLR	NC	6.00	BR	17	14	16	88	5	25	28.91	30.00	04	VV	013	1.00	-SN	24	22	23	91	6	03	29.15	30.22				
07	OVC	060	9.00	-SN	20	18	19	92	9	23	28.85	29.93	07	OVC	016	1.25	-SN BR	24	23	24	96	3	36	29.12	30.19				
10	OVC	070	6.00	-SN BR	24	20	23	84	17	22	28.88	29.96	10	OVC	055	1.00	-SN BR	24	22	23	91	5	29	29.08	30.16				
13	BKN	025	10.00		27	19	24	72	18	27	28.92	30.00	13	OVC	012	9.00		27	23	26	85	5	30	29.01	30.09				
16	BKN	043	6.00	-SN	22	13	19	68	13	29	28.99	30.08	16	OVC	033	10.00		30	25	28	82	6	22	28.95	30.02				
19	SCT	060	10.00		19	9	16	65	16	27	29.06	30.14	19	SCT	055	10.00		29	25	28	85	9	21	28.90	29.98				
22	FEW	060	10.00		16	6	14	65	11	28	29.14	30.23	22	CLR	NC	7.00		26	23	25	88	0	00	28.92	30.00				

OBSERVATIONS AT 3-HOURLY INTERVALS

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: 0711 FEB 25 SUNSET: 1827												
01	CLR	NC	6.00	BR	24	23	24	96	0	00	28.93	30.00
04	BKN	001	0.50	FZFG	19	17	18	92	0	00	28.93	30.01
07	SCT	250	7.00		15	12	14	88	0	00	28.93	30.01
10	OVC	250	8.00		24	22	23	91	6	03	28.94	30.02
13	OVC	200	10.00		33	19	28	56	10	06	28.88	29.95
16	OVC	180	10.00		33	21	29	61	8	04	28.79	29.85
19	OVC	024	9.00	-SN	31	24	28	76	6	06	28.73	29.80
22	OVC	014	1.25	-SN BR	29	28	29	96	5	06	28.73	29.79
SUNRISE: 0710 FEB 26 SUNSET: 1828												
01	OVC	015	0.75	-SN BR	29	29	29	100	0	00	28.74	29.80
04	OVC	054	3.00	-SN BR	29	29	29	100	3	24	28.73	29.79
07	OVC	012	3.00	-SN BR	29	29	29	100	0	00	28.78	29.84
10	OVC	018	5.00	BR	31	29	30	92	6	23	28.87	29.94
13	OVC	028	10.00		36	30	34	79	3	30	28.91	29.98
16	BKN	031	10.00		35	30	33	82	9	22	28.96	30.02
19	OVC	044	10.00		35	30	33	82	6	19	29.04	30.10
22	OVC	060	9.00		32	30	31	92	5	21	29.11	30.18
SUNRISE: 0709 FEB 27 SUNSET: 1829												
01	OVC	060	7.00		32	26	30	79	6	01	29.15	30.23
04	OVC	055	10.00		30	21	27	69	9	36	29.21	30.28
07	OVC	026	10.00		27	20	25	75	14	01	29.29	30.38
10	BKN	250	10.00		25	15	22	66	8	04	29.40	30.48
13	SCT	030	10.00		31	16	26	54	7	02	29.41	30.49
16	FEW	030	10.00		33	16	27	49	7	02	29.40	30.48
19	CLR	NC	10.00		31	14	26	49	7	01	29.41	30.50
22	FEW	250	10.00		27	11	22	51	9	01	29.46	30.55
SUNRISE: 0708 FEB 28 SUNSET: 1830												
01	BKN	120	10.00		26	12	22	55	7	02	29.47	30.55
04	BKN	110	10.00		25	12	21	58	7	02	29.47	30.56
07	SCT	090	10.00		24	14	21	65	9	03	29.49	30.59
10	BKN	250	10.00		28	17	24	63	10	05	29.54	30.63
13	BKN	250	10.00		37	21	31	52	7	05	29.52	30.60
16	BKN	250	10.00		46	26	38	46	8	02	29.44	30.51
19	BKN	110	10.00		44	27	37	51	6	02	29.42	30.50
22	OVC	110	10.00		40	27	35	60	0	00	29.41	30.49

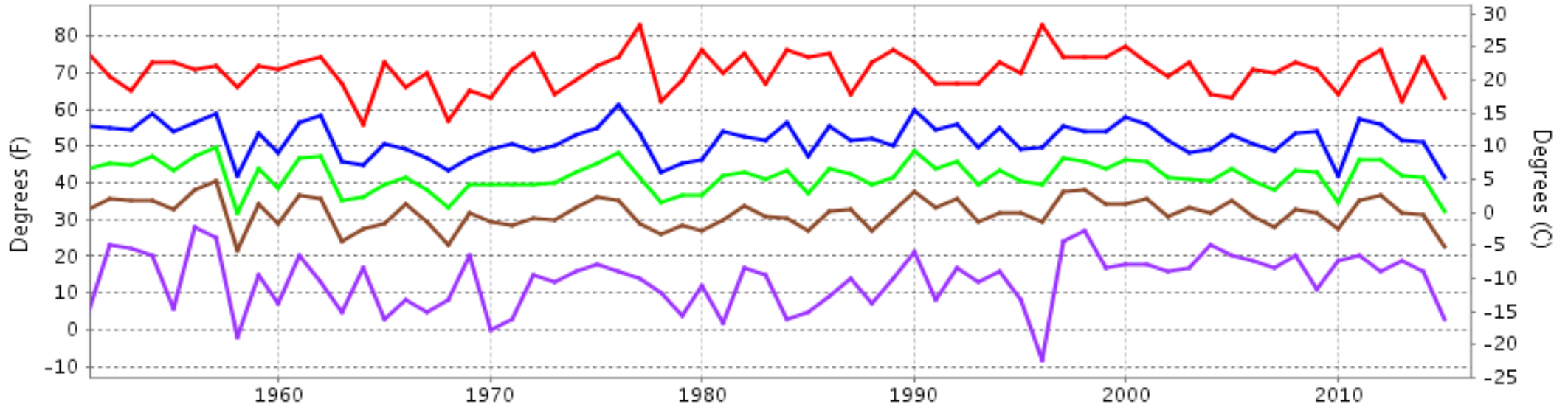
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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	30	20	27	69	29.08	30.15	8.32	7	2	32
02	30	20	27	71	29.08	30.15	8.12	7	2	32
03	29	20	26	72	29.08	30.14	7.96	6	2	32
04	28	20	25	73	29.07	30.15	8.33	6	2	32
05	28	20	25	75	29.08	30.15	8.10	6	2	34
06	27	20	25	75	29.09	30.16	8.46	7	3	31
07	27	20	25	78	29.09	30.17	8.38	7	2	33
08	27	20	24	76	29.11	30.18	7.79	8	2	31
09	28	20	26	74	29.12	30.19	7.97	9	2	32
10	30	20	27	70	29.13	30.20	8.38	9	2	32
11	32	21	28	66	29.13	30.20	8.60	8	3	30
12	34	22	29	64	29.12	30.19	8.68	9	3	30
13	35	22	31	62	29.10	30.17	8.66	9	3	30
14	37	22	31	60	29.07	30.14	9.07	9	4	29
15	38	22	32	58	29.06	30.13	9.21	10	4	29
16	38	22	32	57	29.06	30.12	8.69	9	4	29
17	38	22	32	57	29.06	30.13	8.93	9	4	29
18	36	21	31	59	29.05	30.12	9.19	9	4	29
19	35	21	30	61	29.07	30.14	9.29	8	3	30
20	34	21	30	64	29.08	30.15	8.98	8	3	31
21	33	21	29	64	29.08	30.16	8.86	7	2	34
22	32	21	28	67	29.09	30.16	8.46	8	2	31
23	31	21	28	69	29.09	30.16	8.36	7	2	31
24	31	21	28	69	29.07	30.14	8.50	7	3	31

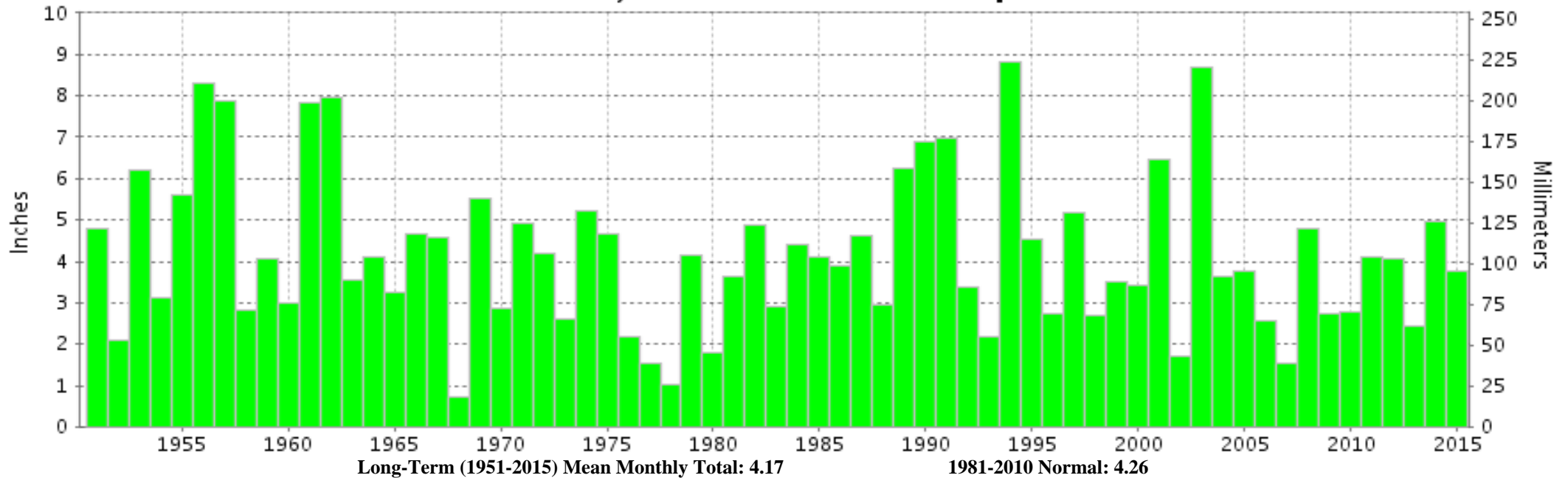
KNOXVILLE, TN FEBRUARY Temperatures



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

Long-Term (1951-2015) Mean: 41.8
1981-2010 Normal: 42.4

KNOXVILLE, TN FEBRUARY Precipitation



Long-Term (1951-2015) Mean Monthly Total: 4.17 **1981-2010 Normal: 4.26**



**FEBRUARY 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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