



NOVEMBER 2015 LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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			
11	12	13	14	15	16	17	18	19	20	21	22	23	24											
01	65	54	60	7	57	58	5	0	RA BR	0		0.0	0.08	28.94	29.99	2.1	03	3.6	20	01	16	35	01	
02	66	60	63	10			2	0	RA BR	0		0.0	0.49	28.93		5.2	04	5.3	15	08	12	22	02	
03	77	61	69*	16	61	63	0	4	BR	0		0.0	0.00	29.03	30.08	2.4	04	3.0	10	02	8	06	03	
04	78*	56	67	15			0	2	BCFG BR	0		0.0	0.00	29.13		0.8	31	2.6	9	05	7	20	04	
05	76	59	68	16	62	64	0	3		0		0.0	0.00	29.15	30.17	1.3	28	2.1	11	25	9	26	05	
06	71	63	67	15	63	65	0	2	RA BR	0		0.0	0.18	29.07	30.09	3.8	24	6.0	32	27	22	28	06	
07	66	51	59	8	53	55	6	0	RA BR	0		0.0	0.22	29.11	30.18	5.0	01	6.0	20	02	16	02	07	
08	58	47	53	2	39	46	12	0		0		0.0	0.00	29.23	30.27	9.4	04	9.6	24	05	20	05	08	
09	55	46	51	0	48	49	14	0	RA DZ BR	0		0.0	0.93	29.10	30.13	3.6	03	7.4	17	04	15	04	09	
10	64	46	55	4	48	51	10	0	RA DZ BR	0		0.0	0.01	29.03	30.08	4.6	24	5.0	16	24	14	24	10	
11	70	37	54	4	42	47	11	0	BCFG BR	0		0.0	0.00	29.00	30.03	0.5	03	1.1	8	31	6	30	11	
12	69	46	58	8	46	53	7	0	RA BR	0		0.0	0.04	28.85	29.91	13.0	24	13.8	40	23	30	23	12	
13	60	37	49	-1	28	40	16	0		0		0.0	0.00	29.11	30.19	3.6	27	4.1	21	26	18	27	13	
14	57	31	44	-5	22	35	21	0		0		0.0	0.00	29.31	30.39	2.0	06	3.1	14	35	12	03	14	
15	54	29	42	-7	29	36	23	0		0		0.0	0.00	29.34	30.41	1.0	04	1.9	8	15	6	33	15	
16	57	29	43	-6	34	40	22	0	RA	0		0.0	T	29.25	30.30	3.1	03	4.1	11	09	8	03	16	
17	67	46	57	8	41	48	8	0		0		0.0	0.00	29.09	30.13	2.9	05	4.6	31	16	22	15	17	
18	74	58	66	18	56	60	0	1	RA BR	0		0.0	1.47	28.90	29.93	8.9	14	12.5	43*	27	33*	26	18	
19	65	49	57	9	48	52	8	0	RA	0		0.0	0.01	29.03	30.08	5.3	25	6.7	30	26	23	25	19	
20	56	42	49	1	29	40	16	0		0		0.0	0.00	29.19	30.24	8.6	03	9.2	23	04	18	05	20	
21	66	32	49	1	34	41	16	0	RA	0		0.0	T	28.99	30.04	6.0	25	8.3	35	21	25	29	21	
22	42	31	37	-11	25	32	28	0		0		0.0	0.00	29.10	30.15	5.7	36	6.9	18	03	14	03	22	
23	48	24*	36*	-11	22	31	29	0		0		0.0	0.00	29.21	30.28	2.9	22	3.3	18	20	15	21	23	
24	56	25	41	-5	28	36	24	0		0		0.0	0.00	29.32	30.39	1.9	03	2.3	11	23	10	23	24	
25	60	32	46	0	33	40	19	0		0		0.0	0.00	29.41	30.48	0.9	05	1.2	8	08	6	08	25	
26	67	33	50	4	38	44	15	0		0		0.0	0.00	29.49	30.56	1.8	04	3.8	17	19	14	17	26	
27	67	40	54	8	44	49	11	0		0		0.0	0.00	29.36	30.42	1.4	02	1.7	9	03	7	03	27	
28	66	50	58	13	50	53	7	0		0		0.0	0.00	29.20	30.25	0.8	02	1.4	8	06	7	30	28	
29	60	55	58	13	55	56	7	0	RA DZ BR	0		0.0	1.50	29.08	30.13	1.6	07	2.9	9	10	8	04	29	
30	61	57	59	14	58	58	6	0	RA FG BR	0		0.0	1.28	28.99	30.02	2.5	21	4.9	16	21	13	21	30	

63.3	44.2	53.7	Σ	42.6	47.9	11.4	0.4	< MONTHLY AVERAGES TOTALS >				0.0	6.21	29.13	30.19	0.8	36	4.9	< MONTHLY AVERAGES			
2.9	5.2	4.0		-----DEPARTURE FROM NORMAL ----->								2.20	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 2.34 DATE : 29-30				SEA LEVEL PRESSURE				DATE TIME			
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.65 26 0953			
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.80 12 0602			
HEATING :	343	-119	510	-171	NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 :	0	MINIMUM TEMP <= 32 :	8	PRECIPITATION >= 0.01 INCH :	11	
COOLING :	12	9	1702	176	MAXIMUM TEMP <= 32 :	0	MINIMUM TEMP <= 0 :	0	PRECIPITATION >= 0.10 INCH :	7					
					THUNDERSTORMS :	0	HEAVY FOG :	0	SNOWFALL >= 1.0 INCH :	0					

NOVEMBER 2015
KNOXVILLE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
NOVEMBER 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	T	T	T	T	0.01	T							01												01	0.08	0.08	
02	0.03	0.02	T	T		T	T	T			T	T	02	0.14	0.09	0.12					T	0.01	0.04	0.02	02	0.40*	0.49	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06						T	T			0.03	0.13	0.01	06				T	T	T	0.01	T	T	T	06	0.18	0.18		
07	T				0.02	0.07	0.04	T		T	T	0.02	07	T		T									07	0.22	0.22	
08			0.05	0.02	0.02	0.01	0.12	0.17	0.20	0.17	0.05	T	08					0.03	0.01	T	0.01	T	0.01	0.01	08	0.00	0.00	
09	T	T	0.03	0.09	0.02	0.01	0.12	0.17	0.20	0.17	0.05	T	09	T		T									09	0.93	0.93	
10	0.01	T	T	T	T	T	T						10												10	0.01	0.01	
11													11												11	0.00	0.00	
12					0.02	T		T	0.02	T			12												12	0.04	0.04	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16					T	T	T					16	T	T	
17													17												17	0.00	0.00	
18													18		0.41	0.46	0.13	0.16	0.12	0.14	0.05	T	T		18	1.47	1.47	
19		0.01											19												19	0.01	0.01	
20													20												20	0.00	0.00	
21													21												21	T	T	
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												28	0.00	0.00	
29							T	T	0.01	T	0.02	T	29	0.14	0.08	0.01	0.02	0.20	0.13	0.15	0.17	0.11	0.14	0.17	0.15	29	1.50	1.50
30	0.26	0.17	0.09	0.06	0.02	0.05	0.02	0.04	0.07	0.01		0.07	30	0.12	0.07	0.05	T	T		0.02	0.01	0.04	T	0.05	0.04	30	1.26*	1.28

* 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	0.18	0.26	0.33	0.48	0.67	0.78	0.85	0.89	0.94	1.01	1.09
Ending Date	18	18	18	18	18	18	18	18	18	18	18	18
Ending Time (Hr/Min)	1554	1559	1552	1556	1606	1619	1631	1650	1709	1731	1801	1831

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 NOVEMBER 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	6.00	10.00
02	0.75	10.00
03	5.00	10.00
04	0.00	10.00
05	8.00	10.00
06	3.00	10.00
07	4.00	10.00
08	10.00	10.00
09	1.00	10.00
10	1.50	10.00
11	3.00	10.00
12	5.00	10.00
13	10.00	10.00
14	7.00	10.00
15	10.00	10.00
16	9.00	10.00
17	10.00	10.00
18	1.50	10.00
19	9.00	10.00
20	10.00	10.00
21	10.00	10.00
22	10.00	10.00
23	10.00	10.00
24	10.00	10.00
25	9.00	10.00
26	8.00	10.00
27	10.00	10.00
28	10.00	10.00
29	1.75	10.00
30	1.00	10.00
AVGS	6.45	10.00
MINIMUM VISIBILITY (MILES)		
	<= .25	<= 3.0 >= 7.0
1	9	17

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
NOVEMBER 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: 0658					NOV 01					SUNSET: 1741					SUNRISE: 0704					NOV 07					SUNSET: 1735				
01	OVC	110	10.00	-RA	55	52	53	90	11	35	28.87	29.90	01	OVC	033	10.00		65	64	64	97	3	05	29.05	30.08				
04	OVC	110	9.00	-RA	56	54	55	93	6	35	28.89	29.93	04	OVC	110	9.00	-RA	64	63	63	96	0	00	29.06	30.09				
07	OVC	090	10.00		57	55	56	93	3	36	28.94	29.98	07	OVC	110	7.00	-RA	64	63	63	96	0	00	29.08	30.10				
10	OVC	039	10.00		59	56	57	90	6	11	28.98	30.01	10	OVC	014	7.00	-RA	57	54	55	90	8	34	29.13	30.16				
13	OVC	180	10.00		64	58	60	81	0	00	28.96	29.99	13	OVC	025	7.00		56	50	53	81	6	35	29.15	30.18				
16	OVC	023	10.00		65	59	61	81	6	33	28.98	30.01	16	OVC	040	10.00		56	46	51	70	7	01	29.15	30.20				
19	OVC	110	10.00		63	58	60	84	0	00	28.98	30.01	19	OVC	065	10.00		54	45	49	72	8	03	29.21	30.25				
22	OVC	110	8.00	-RA	61	59	60	93	0	00	28.99	30.02	22	SCT	050	10.00		52	43	48	72	9	02	29.24	30.29				
SUNRISE: 0659					NOV 02					SUNSET: 1740					SUNRISE: 0705					NOV 08					SUNSET: 1734				
01	OVC	060	4.00	-RA BR	60	60	60	100	0	00	28.97	30.00	01	OVC	250	10.00		50	40	45	68	9	04	29.24	30.29				
04	OVC	065	4.00	BR	61	59	60	93	6	01	28.94	29.98	04	SCT	250	10.00		48	39	44	71	10	03	29.22	30.27				
07	OVC	005	2.50	-RA BR	61	59	60	93	9	04	28.90	29.93	07	BKN	250	10.00		47	37	42	69	13	04	29.24	30.30				
10	BKN	150	2.50		63	60	61	90	5	02	28.94	29.97	10	BKN	250	10.00		50	36	44	59	13	06	29.27	30.33				
13	OVC	055	7.00		66	61	63	84	9	06	28.91	29.94	13	BKN	250	10.00		55	39	47	55	6	04	29.23	30.28				
16	OVC	003	1.50	RA BR	64	63	63	96	0	00	28.90	29.93	16	BKN	250	10.00		58	42	50	56	10	05	29.19	30.24				
19													19	OVC	049	10.00		56	42	49	60	6	02	29.19	30.24				
22	OVC	011	6.00	BR	63	62	62	97	5	06	28.97	30.00	22	OVC	060	10.00		55	41	48	59	5	03	29.19	30.24				
SUNRISE: 0660					NOV 03					SUNSET: 1739					SUNRISE: 0706					NOV 09					SUNSET: 1734				
01	OVC	011	10.00		62	61	61	96	3	03	28.97	30.00	01	OVC	055	10.00		53	40	47	61	8	04	29.16	30.21				
04	OVC	019	7.00		62	61	61	96	3	07	28.98	30.01	04	OVC	110	10.00	-RA	48	44	46	86	8	02	29.14	30.19				
07	OVC	004	10.00		62	60	61	93	5	06	29.02	30.06	07	OVC	080	5.00	RA BR	47	45	46	93	11	03	29.12	30.17				
10	OVC	010	7.00		62	60	61	93	3	07	29.08	30.11	10			1.00					7		03						
13	BKN	200	10.00		71	63	66	76	3	VR	29.06	30.09	13	OVC	015	2.50	BR	51	49	50	92	8	03	29.07	30.11				
16	SCT	120	10.00		75	62	67	64	0	00	29.04	30.06	16	OVC	007	6.00	BR	54	51	52	90	5	04	29.03	30.08				
19	SCT	250	10.00		67	62	64	84	0	00	29.07	30.10	19	OVC	014	2.00	-DZ BR	53	52	52	96	6	20	29.04	30.08				
22	SCT	075	10.00		65	62	63	90	3	25	29.10	30.13	22	OVC	005	1.50	-DZ BR	53	52	52	96	7	23	29.05	30.10				
SUNRISE: 0701					NOV 04					SUNSET: 1738					SUNRISE: 0707					NOV 10					SUNSET: 1733				
01	FEW	050	10.00		61	60	60	97	3	03	29.11	30.14	01	OVC	015	5.00	-DZ BR	53	52	52	96	7	23	29.04	30.08				
04			0.12						5	03			04	OVC	017	5.00	BR	53	52	52	96	9	24	29.04	30.09				
07			0.25						3	06			07	OVC	028	5.00	BR	53	52	52	96	7	24	29.06	30.11				
10	BKN	055	3.00	BR	64	60	62	87	3	03	29.19	30.23	10	OVC	033	7.00		56	52	54	87	6	25	29.09	30.13				
13	SCT	140	10.00		75	62	67	64	3	03	29.15	30.17	13	SCT	034	10.00		61	47	54	60	6	23	29.04	30.08				
16	BKN	180	10.00		75	61	66	62	6	29	29.12	30.14	16	FEW	037	10.00		63	45	53	52	8	27	29.00	30.03				
19	BKN	200	10.00		69	62	65	78	7	27	29.14	30.18	19	CLR	NC	10.00		57	44	50	62	3	25	29.01	30.05				
22	SCT	150	10.00		67	61	63	81	0	00	29.15	30.19	22	CLR	NC	10.00		48	43	46	83	0	00	29.03	30.07				
SUNRISE: 0702					NOV 05					SUNSET: 1737					SUNRISE: 0708					NOV 11					SUNSET: 1732				
01	FEW	050	10.00		62	59	60	90	0	00	29.15	30.19	01	CLR	NC	10.00		44	41	43	89	0	00	29.04	30.08				
04	OVC	035	10.00		61	59	60	93	0	00	29.18	30.20	04	CLR	NC	10.00		41	39	40	93	0	00	29.04	30.08				
07	OVC	030	10.00		62	60	61	93	3	36	29.18	30.22	07	SCT	250	3.00	BCFG BR	38	38	38	100	3	04	29.06	30.11				
10	BKN	150	10.00		68	62	64	81	3	02	29.21	30.24	10	FEW	180	7.00		50	45	48	83	0	00	29.08	30.13				
13	OVC	100	10.00		73	63	67	71	0	00	29.15	30.19	13	FEW	180	10.00		63	42	52	47	0	00	29.02	30.06				
16	SCT	170	10.00		76	64	68	67	0	00	29.11	30.13	16	FEW	250	10.00		69	39	54	33	0	00	28.93	29.97				
19	BKN	180	10.00		69	64	66	84	5	25	29.12	30.14	19	BKN	250	10.00		59	46	52	62	0	00	28.90	29.94				
22	SCT	180	8.00		66	63	64	90	0	00	29.08	30.11	22	FEW	250	10.00		52	44	48	75	0	00	28.87	29.91				
SUNRISE: 0703					NOV 06					SUNSET: 1736					SUNRISE: 0709					NOV 12					SUNSET: 1731				
01	CLR	NC	10.00		65	63	64	93	8	24	29.07	30.09	01	SCT	250	10.00		49	44	47	83	0	00	28.84	29.87				
04	BKN	070	10.00		64	62	63	93	6	28	29.05	30.07	04	BKN	050	10.00		50	46	48	86	0	00	28.81	29.83				
07	OVC	070	10.00		65	63	64	93	5	24	29.08	30.11	07	OVC	026	10.00		63	57	59	81	20	22	28.79	29.82				
10	OVC	075	6.00	-RA BR	67	63	65	87	18	27	29.12	30.14	10	BKN	110	10.00		62	56	59	80	21	23	28.86	29.90				
13	OVC	085	10.00		66	63	64	90	5	22	29.07	30.09	13	BKN	250	10.00		67	52	58	59	17	23	28.85	29.89				
16	BKN	180	10.00		69	64	66	84	6	31	29.02	30.05	16	SCT	250	10.00		69	39	54	33	15	26	28.87	29.90				
19	OVC	120	10.00		67	63	65	87	0	00	29.06	30.08	19	SCT	250	10.00		60	34	48	38	11	27	28.93	29.96				
22	OVC	075	10.00	RA	66	64	65	93	0	00	29.07	30.10	22	SCT	250	10.00		55	37	46	51	16	26	29.00	30.03				

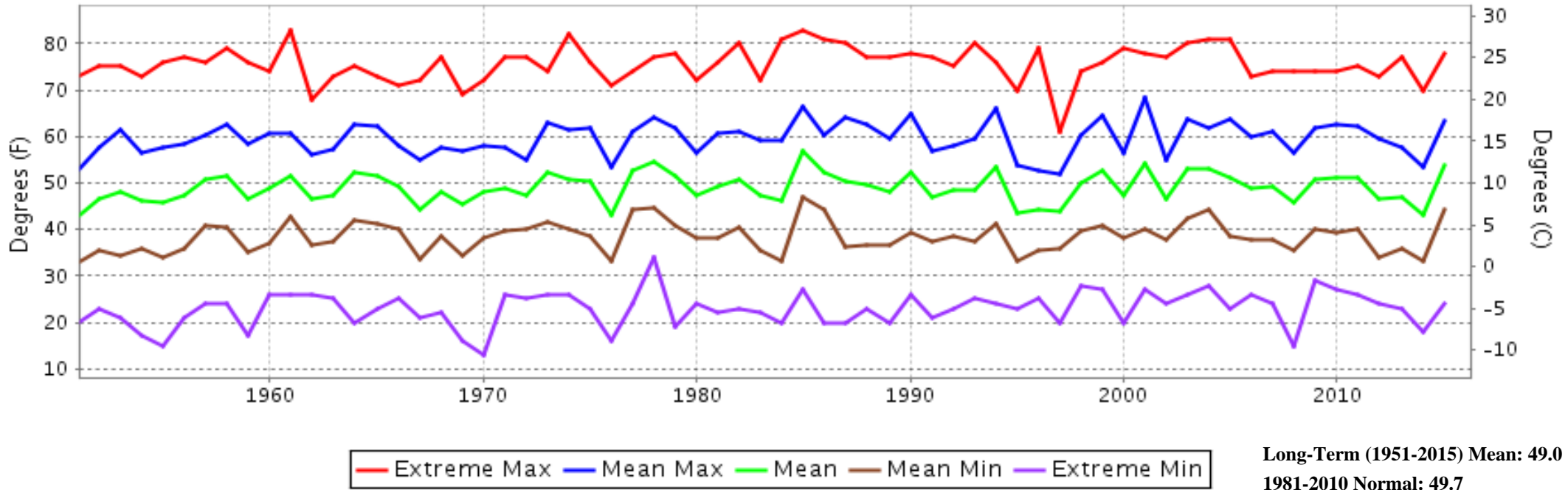
OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
NOVEMBER 2015 **KTYS**

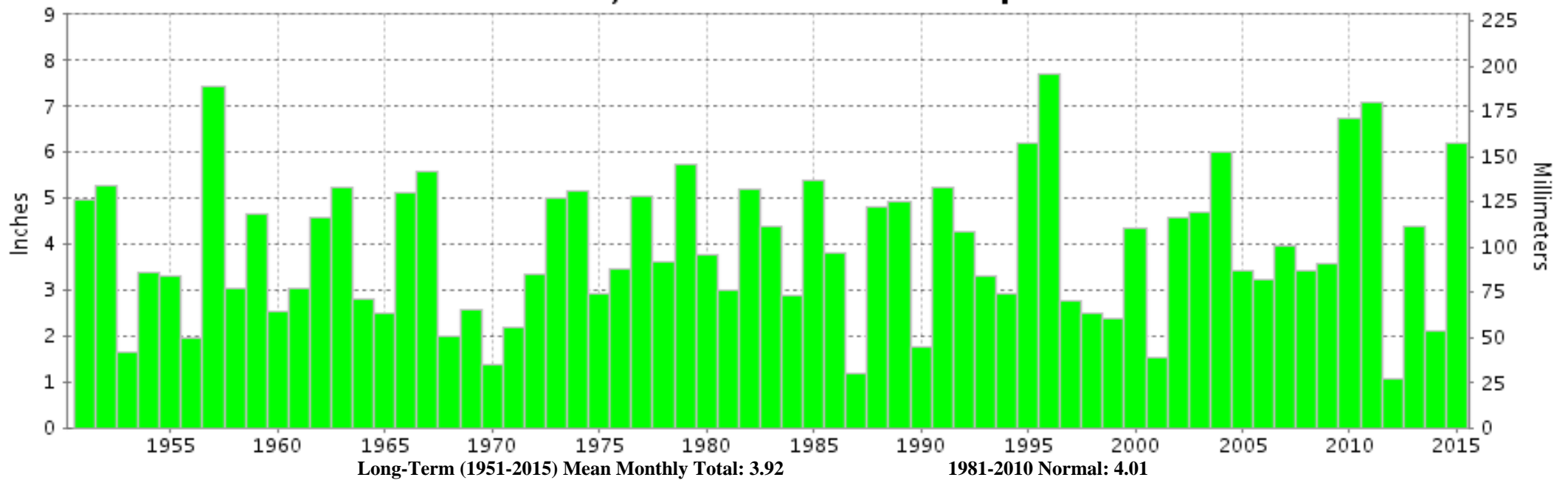
WBAN # 13891

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: 0710					NOV 13					SUNSET: 1730					SUNRISE: 0716					NOV 19					SUNSET: 1727				
01	SCT	250	10.00		50	37	44	61	3	25	29.06	30.09	01	OVC	015	10.00	-RA	61	59	60	93	20	26	28.91	29.94				
04	SCT	250	10.00		45	37	41	74	0	00	29.08	30.12	04	SCT	043	10.00		58	55	56	90	8	25	28.96	29.99				
07	SCT	250	10.00		38	35	37	89	0	00	29.13	30.18	07	FEW	050	10.00		52	50	51	93	6	25	29.00	30.03				
10	FEW	200	10.00		51	36	44	56	0	00	29.16	30.22	10	FEW	250	10.00		57	49	53	74	6	28	29.08	30.11				
13	CLR	NC	10.00		57	28	44	33	3	VR	29.14	30.18	13	FEW	200	10.00		64	46	54	52	7	23	29.06	30.09				
16	FEW	250	10.00		59	16	42	18	11	27	29.10	30.15	16	FEW	200	10.00		65	45	54	49	7	24	29.04	30.08				
19	CLR	NC	10.00		50	19	38	29	8	28	29.15	30.20	19	CLR	NC	10.00		57	44	50	62	7	24	29.09	30.13				
22	CLR	NC	10.00		47	21	37	36	3	32	29.21	30.27	22	CLR	NC	10.00		49	44	47	83	3	12	29.15	30.21				
SUNRISE: 0711					NOV 14					SUNSET: 1730					SUNRISE: 0717					NOV 20					SUNSET: 1726				
01	CLR	NC	10.00		38	25	33	60	0	00	29.25	30.31	01	CLR	NC	10.00		50	38	44	63	7	01	29.21	30.25				
04	CLR	NC	10.00		34	25	31	70	0	00	29.28	30.34	04	CLR	NC	10.00		45	36	41	71	6	01	29.22	30.27				
07	CLR	NC	10.00		33	25	30	72	0	00	29.32	30.38	07	FEW	030	10.00		43	32	38	65	8	36	29.25	30.31				
10	CLR	NC	10.00		46	26	38	46	0	00	29.38	30.44	10	FEW	250	10.00		49	29	41	46	15	03	29.28	30.33				
13	CLR	NC	10.00		54	16	40	22	6	04	29.35	30.42	13	FEW	250	10.00		54	27	42	35	11	02	29.21	30.25				
16	CLR	NC	10.00		57	14	41	18	5	08	29.32	30.38	16	SCT	250	10.00		55	25	42	31	11	06	29.15	30.20				
19	CLR	NC	10.00		50	18	38	28	3	08	29.35	30.42	19	BKN	250	10.00		46	26	38	46	8	05	29.13	30.18				
22	CLR	NC	10.00		41	26	35	55	3	26	29.36	30.42	22	BKN	250	10.00		43	27	37	53	6	04	29.13	30.18				
SUNRISE: 0712					NOV 15					SUNSET: 1729					SUNRISE: 0718					NOV 21					SUNSET: 1726				
01	CLR	NC	10.00		32	27	30	82	3	07	29.34	30.41	01	SCT	250	10.00		41	26	35	55	6	36	29.09	30.14				
04	CLR	NC	10.00		31	25	29	79	3	12	29.36	30.42	04	FEW	250	10.00		38	28	34	68	0	00	29.06	30.11				
07	BKN	200	10.00		33	25	30	72	6	01	29.40	30.47	07	CLR	NC	10.00		33	27	31	78	0	00	29.05	30.11				
10	OVC	250	10.00		41	29	36	62	3	05	29.42	30.50	10	CLR	NC	10.00		45	30	39	56	0	00	29.02	30.08				
13	OVC	250	10.00		49	30	41	48	5	05	29.35	30.42	13	SCT	250	10.00		58	34	47	41	3	29	28.92	29.97				
16	OVC	250	10.00		53	29	43	40	3	06	29.31	30.37	16	BKN	250	10.00		62	40	51	44	16	22	28.85	29.90				
19	SCT	250	10.00		46	33	40	61	3	22	29.29	30.36	19	OVC	095	10.00		58	45	51	62	15	23	28.90	29.95				
22	FEW	250	10.00		40	33	37	77	0	00	29.28	30.35	22	OVC	040	10.00		47	39	43	74	16	26	29.02	30.06				
SUNRISE: 0713					NOV 16					SUNSET: 1728					SUNRISE: 0719					NOV 22					SUNSET: 1725				
01	SCT	250	10.00		33	30	32	89	6	06	29.27	30.34	01	OVC	021	10.00		41	33	38	73	10	28	29.04	30.08				
04	SCT	250	10.00		32	29	31	88	5	19	29.28	30.35	04	OVC	028	10.00		37	26	33	65	9	34	29.05	30.10				
07	BKN	250	10.00		31	29	30	92	5	09	29.29	30.36	07	OVC	035	10.00		36	25	32	64	10	03	29.09	30.14				
10	OVC	250	10.00		41	35	38	79	5	VR	29.28	30.35	10	OVC	036	10.00		37	24	32	59	6	02	29.14	30.19				
13	BKN	250	10.00		54	35	45	49	3	03	29.24	30.30	13	OVC	036	10.00		38	24	33	57	9	33	29.10	30.16				
16	OVC	250	9.00		57	36	47	45	6	36	29.18	30.24	16	SCT	050	10.00		39	22	33	50	3	05	29.08	30.14				
19	OVC	110	10.00	-RA	52	40	46	64	5	04	29.19	30.26	19	CLR	NC	10.00		31	23	28	72	3	04	29.14	30.21				
22	OVC	250	10.00		49	37	43	64	5	07	29.16	30.22	22	CLR	NC	10.00		33	23	29	66	0	00	29.13	30.20				
SUNRISE: 0714					NOV 17					SUNSET: 1728					SUNRISE: 0720					NOV 23					SUNSET: 1725				
01	OVC	250	10.00		49	36	43	61	3	01	29.15	30.20	01	CLR	NC	10.00		29	23	27	78	0	00	29.14	30.21				
04	BKN	150	10.00		47	37	42	69	5	06	29.13	30.18	04	CLR	NC	10.00		26	22	25	84	0	00	29.15	30.23				
07	BKN	100	10.00		48	37	43	66	6	35	29.14	30.19	07	CLR	NC	10.00		24	21	23	88	0	00	29.21	30.29				
10	OVC	200	10.00		51	38	45	61	6	06	29.14	30.19	10	CLR	NC	10.00		33	26	30	75	5	16	29.24	30.32				
13	OVC	250	10.00		62	40	51	44	3	01	29.10	30.14	13	CLR	NC	10.00		44	19	35	37	5	22	29.21	30.28				
16	OVC	200	10.00		61	44	52	54	6	05	29.04	30.09	16	CLR	NC	10.00		48	21	38	34	13	22	29.18	30.24				
19	BKN	180	10.00		59	43	51	56	3	36	29.03	30.08	19	CLR	NC	10.00		42	22	34	45	5	21	29.22	30.29				
22	OVC	250	10.00		60	48	54	65	10	13	29.02	30.06	22	CLR	NC	10.00		37	23	32	57	0	00	29.24	30.32				
SUNRISE: 0715					NOV 18					SUNSET: 1727					SUNRISE: 0721					NOV 24					SUNSET: 1724				
01	BKN	250	10.00		65	51	57	61	18	16	29.00	30.03	01	CLR	NC	10.00		34	23	30	64	0	00	29.26	30.33				
04	BKN	250	10.00		67	52	58	59	20	15	28.97	30.00	04	CLR	NC	10.00		30	24	28	79	0	00	29.29	30.36				
07	OVC	055	10.00		59	49	54	69	6	03	28.93	29.97	07	CLR	NC	10.00		30	23	28	75	0	00	29.34	30.42				
10	OVC	100	10.00		70	55	61	59	18	14	28.92	29.95	10	BKN	250	10.00		39	27	34	62	0	00	29.38	30.46				
13	OVC	100	10.00		73	56	63	55	17	14	28.86	29.88	13	BKN	250	10.00		52	30	42	43	0	00	29.34	30.41				
16	OVC	044	1.50	+RA BR	63	60	61	90	18	24	28.90	29.93	16	OVC	250	10.00		54	30	43	40	5	03	29.30	30.36				
19	OVC	095	7.00	-RA	61	60	60	97	7	10	28.89	29.92	19	OVC	250	10.00		47	31	40	54	3	06	29.31	30.38				
22	OVC	100	8.00	-RA	61	59	60	93	7	06	28.85	29.87	22	OVC	250	10.00		43	30	38	60	3	11	29.33	30.40				

KNOXVILLE, TN NOVEMBER Temperatures



KNOXVILLE, TN NOVEMBER Precipitation





**NOVEMBER 2015
KNOXVILLE, TN**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Centers for Environmental Information

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 Centers for Environmental Information (NCEI), Asheville, North Carolina 28801.

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

DIRECTOR

NCEI now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov/IPS/lcd/lcd.html

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