



# NOVEMBER 2007 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
11	12	13	14	15	16	17	18	19	20	21	22	23	24											
01	72	48	60	7	48	52	5	0		0		0.0	0.00	29.10	30.14	4.0	36	4.4	22	35	17	35	01	
02	69	46	58	5	41	48	7	0		0		0.0	0.00	29.08	30.12	4.8	03	5.2	17	04	14	04	02	
03	65	38	52	-1	33	43	13	0	BR	0		0.0	0.00	29.05	30.10	1.0	30	2.4	20	03	9	23	03	
04	66	35	51	-1	32	42	14	0		0		0.0	0.00	29.03	30.07	6.8	23	7.4	29	21	22	24	04	
05	71	37	54	2	39	48	11	0	TSRA RA BR	0		0.0	0.43	28.98	30.01	9.4	22	9.7	35	22	28*	22	05	
06	59	37	48	-4	27	39	17	0	RA	0		0.0	0.01	29.05	30.14	5.8	30	7.3	29	33	18	32	06	
07	50	27	39	-12	25	33	26	0		0		0.0	0.00	29.22	30.28	2.0	04	2.4	15	05	10	03	07	
08	53	28	41	-10	26	35	24	0		0		0.0	0.00	29.10	30.16	3.5	23	4.2	21	23	16	23	08	
09	64	42	53	2	34	44	12	0	RA	0		0.0	T	28.98	30.02	8.2	23	8.8	26	21	22	22	09	
10	55	36	46	-5	29	39	19	0		0		0.0	0.00	29.09	30.16	4.4	36	5.1	18	01	12	02	10	
11	60	30	45	-5	32	39	20	0	BR HZ	0		0.0	0.00	29.19	30.26	0.9	25	2.0	13	22	10	21	11	
12	66	39	53	3	39	46	12	0		0		0.0	0.00	29.23	30.29	3.0	23	3.4	20	22	15	21	12	
13	67	49	58	8	49	52	7	0	RA FG+ FG BR	0		0.0	0.28	29.05	30.08	1.7	23	4.4	21	20	17	21	13	
14	74	53	64*	15	57	59	1	0	TS TSRA RA FG+ FG BR	0		0.0	1.55	28.87	29.88	7.7	23	9.1	35*	28	26	27	14	
15	58	34	46	-3	31	39	19	0	RA	0		0.0	0.05	28.95	30.03	7.4	28	8.3	26	28	18	27	15	
16	47	29	38	-11	26	33	27	0		0		0.0	0.00	29.08	30.14	1.8	20	2.5	14	21	12	21	16	
17	60	28	44	-5	32	39	21	0	BR	0		0.0	0.00	29.00	30.06	4.4	24	5.0	31	21	25	21	17	
18	64	45	55	7	45	50	10	0		0		0.0	0.00	29.10	30.17	1.5	26	1.9	17	18	9	23	18	
19	66	48	57	9	51	53	8	0	RA BR	0		0.0	0.01	29.19	30.23	1.8	21	2.0	15	23	12	23	19	
20	72	42	57	9	47	51	8	0	FG+ FG BR HZ	0		0.0	0.00	29.13	30.17	3.8	23	4.3	24	22	22	24	20	
21	74*	47	61	13	51	55	4	0	RA BR	0		0.0	0.16	28.99	30.03	7.8	21	8.2	31	22	25	22	21	
22	65	40	53	5	44	48	12	0	RA DZ BR	0		0.0	0.03	28.97	30.05	5.0	25	11.2	30	21	25	21	22	
23	44	30	37	-10	24	32	28	0		0		0.0	0.00	29.23	30.31	8.2	01	9.0	21	36	16	36	23	
24	48	24*	36*	-10	25	33	29	0		0		0.0	0.00	29.28	30.35	1.9	03	2.2	9	22	8	05	24	
25	50	42	46	0	37	42	19	0	RA	0		0.0	0.02	29.15	30.19	2.2	02	4.2	16	03	14	04	25	
26	65	46	56	10	49	50	9	0	RA BR	0		0.0	1.44	28.92	29.96	4.2	24	7.0	33	25	24	25	26	
27	54	34	44	-2	34	41	21	0		0		0.0	0.00	29.22	30.30	2.9	33	5.0	20	27	15	26	27	
28	57	28	43	-2	30	37	22	0		0		0.0	0.00	29.26	30.31	0.7	02	1.7	13	30	9	30	28	
29	60	35	48	3	29	39	17	0		0		0.0	0.00	29.16	30.24	3.1	35	5.8	21	35	15	36	29	
30	55	30	43	-2	22	34	22	0		0		0.0	0.00	29.26	30.34	2.5	01	3.2	18	07	12	36	30	

61.0	37.6	49.3	☼	36.3	43.2	15.5	0.0	< MONTHLY AVERAGES   TOTALS >				0.0	3.98	29.10	30.15	2.0	26	5.2	< MONTHLY AVERAGES				
2.0	-1.3	0.3		<----- DEPARTURE FROM NORMAL ----->				0.00				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION : 1.60 DATE : 14-15				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY								GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.42				24 1053							
TOTAL DEPARTURE								GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.76				14 2255							
SEASON TO DATE								NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 9				PRECIPITATION >= 0.01 INCH : 10			
HEATING : 464 -6 570 -132								MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 5							
COOLING : 0 -3 1987 537								THUNDERSTORMS : 2				HEAVY FOG : 3				SNOWFALL >= 1.0 INCH : 0							

NOVEMBER 2007  
KNOXVILLE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)  
NOVEMBER 2007

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	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05								0.01	0.10	0.08	0.24	05	0.43	0.43	
06	0.01	T	T	T									06												06	0.01	0.01	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09								T				09	T	T	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13												13	0.28	0.28	
14	T												14												14	1.55	1.55	
15	T	T	0.04	0.01									15												15	0.05	0.05	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19		T											19												19	0.01	0.01	
20													20												20	0.00	0.00	
21													21												21	0.16	0.16	
22													22												22	0.03	0.03	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.02	0.02	
26													26												26	1.44	1.44	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	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)	0.25	0.46	0.63	0.74	0.83	1.00	1.25	1.34	1.40	1.48	1.50	1.51
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	2053	2053	2058	2103	2112	2128	2141	2200	2222	2242	2242	2317

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 NOVEMBER 2007

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

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

### ADDITIONAL NOTES:

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

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							10.00	10.00	
02							10.00	10.00	
03							4.00	10.00	
04							10.00	10.00	
05							2.00	10.00	
06							7.00	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							10.00	10.00	
10							8.00	10.00	
11							6.00	10.00	
12							10.00	10.00	
13							0.00	10.00	
14							0.12	10.00	
15							7.00	10.00	
16							8.00	10.00	
17							6.00	10.00	
18							9.00	10.00	
19							3.00	10.00	
20							0.12	10.00	
21							6.00	10.00	
22							1.50	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							4.00	10.00	
26							1.00	10.00	
27							10.00	10.00	
28							9.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							6.69	10.00	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 18516				
Percent Possible : 0									
<b>NUMBER OF DAYS WITH : SKY CONDITION</b>									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0				>= 7.0		
3			7				18		

# OBSERVATIONS AT 3-HOURLY INTERVALS

**KNOXVILLE, TN**  
**NOVEMBER 2007**      **KTYS**

**WBAN # 13891**

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																																																																																																																									
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		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																																																																																																																																																																																										
<b>SUNRISE: 0658</b>						<b>NOV 01</b>						<b>SUNSET: 1741</b>						<b>SUNRISE: 0704</b>						<b>NOV 07</b>						<b>SUNSET: 1735</b>																																																																																																																																																																																																	
01	FEW	055			10.00	51	46	48	83	0	00	29.11	30.15	01	FEW	055			10.00	37	23	32	57	0	00	29.23	30.29	04	CLR	NC			10.00	49	46	48	89	0	00	29.11	30.14	04	CLR	NC			10.00	32	26	30	79	0	00	29.22	30.29	07	BKN	070			10.00	49	46	48	89	0	00	29.12	30.16	07	CLR	NC			10.00	28	26	27	92	0	00	29.26	30.33	10	SCT	075			10.00	60	49	54	67	0	00	29.13	30.17	10	CLR	NC			10.00	40	28	35	62	0	00	29.30	30.37	13	FEW	050			10.00	69	52	59	55	0	00	29.08	30.12	13	CLR	NC			10.00	48	23	38	37	7	10	29.23	30.29	16	OVC	080			10.00	66	52	58	61	14	36	29.05	30.09	16	CLR	NC			10.00	50	21	39	32	5	10	29.18	30.24	19	SCT	085			10.00	57	48	52	72	9	35	29.10	30.14	19	CLR	NC			10.00	42	24	35	49	6	03	29.16	30.24	22	OVC	038			10.00	56	46	51	69	8	02	29.11	30.15	22	CLR	NC			10.00	38	25	33	60	0	00	29.18	30.24
<b>SUNRISE: 0659</b>						<b>NOV 02</b>						<b>SUNRISE: 1740</b>						<b>SUNRISE: 0705</b>						<b>NOV 08</b>						<b>SUNSET: 1734</b>																																																																																																																																																																																																	
01	OVC	027			10.00	54	42	48	64	9	04	29.09	30.12	01	CLR	NC			10.00	34	25	31	70	0	00	29.13	30.19	04	CLR	NC			10.00	47	40	44	77	9	04	29.08	30.12	04	CLR	NC			10.00	46	38	42	74	9	03	29.11	30.16	07	CLR	NC			10.00	54	39	47	57	9	04	29.14	30.19	10	FEW	080			10.00	65	44	54	47	0	00	29.08	30.11	13	FEW	070			10.00	69	43	55	39	0	00	29.04	30.08	16	FEW	080			10.00	57	44	50	62	5	05	29.06	30.10	19	CLR	NC			10.00	53	41	47	64	0	00	29.06	30.11	22	CLR	NC			10.00	53	41	47	64	0	00	29.06	30.11																																																																																				
<b>SUNRISE: 0660</b>						<b>NOV 03</b>						<b>SUNRISE: 1739</b>						<b>SUNRISE: 0706</b>						<b>NOV 09</b>						<b>SUNSET: 1734</b>																																																																																																																																																																																																	
01	CLR	NC			10.00	46	36	42	68	0	00	29.05	30.09	01	CLR	NC			10.00	44	27	37	51	5	24	29.04	30.09	04	CLR	NC			7.00	43	39	41	86	0	00	29.06	30.09	04	CLR	NC			10.00	43	28	37	56	5	27	29.03	30.08	07	FEW	001		BR	4.00	38	36	37	93	0	00	29.08	30.13	10	CLR	NC			10.00	52	40	46	64	3	VR	29.11	30.15	13	CLR	NC			10.00	61	30	47	31	0	00	29.05	30.09	16	FEW	060			10.00	64	29	48	27	5	26	29.01	30.05	19	SCT	110			10.00	56	30	44	37	5	23	29.04	30.09	22	CLR	NC			10.00	48	32	41	54	3	16	29.08	30.12																																																																																				
<b>SUNRISE: 0701</b>						<b>NOV 04</b>						<b>SUNRISE: 1738</b>						<b>SUNRISE: 0707</b>						<b>NOV 10</b>						<b>SUNSET: 1733</b>																																																																																																																																																																																																	
01	CLR	NC			10.00	41	31	37	68	3	16	29.05	30.10	01	CLR	NC			10.00	53	33	44	47	10	32	28.98	30.02	04	CLR	NC			10.00	38	31	35	76	0	00	29.06	30.11	04	CLR	NC			10.00	46	32	40	58	3	35	29.03	30.07	07	CLR	NC			10.00	36	31	34	82	3	22	29.08	30.13	07	CLR	NC			10.00	41	30	36	65	7	01	29.09	30.14	10	CLR	NC			10.00	52	35	44	53	7	24	29.09	30.13	10	CLR	NC			10.00	62	35	49	37	10	21	29.00	30.04	13	CLR	NC			10.00	65	35	50	33	20	24	28.94	29.99	16	FEW	070			10.00	57	31	45	37	9	25	28.98	30.03	19	CLR	NC			10.00	53	27	42	37	8	25	29.04	30.08	22	CLR	NC			10.00	53	27	42	37	8	25	29.04	30.08																																																								
<b>SUNRISE: 0702</b>						<b>NOV 05</b>						<b>SUNRISE: 1737</b>						<b>SUNRISE: 0708</b>						<b>NOV 11</b>						<b>SUNSET: 1732</b>																																																																																																																																																																																																	
01	CLR	NC			10.00	46	27	38	48	0	00	29.04	30.08	01	CLR	NC			10.00	36	30	34	79	3	06	29.18	30.23	04	CLR	NC			10.00	41	29	36	62	0	00	29.06	30.10	04	CLR	NC			9.00	34	28	32	79	0	00	29.18	30.23	07	CLR	NC			10.00	39	28	35	65	0	00	29.07	30.12	07	CLR	NC			10.00	51	33	43	50	5	27	29.09	30.13	10	CLR	NC			10.00	69	36	52	30	17	21	28.98	30.01	13	FEW	055			10.00	69	48	57	47	22	22	28.88	29.92	16	CLR	NC			10.00	65	48	56	54	16	21	28.84	29.88	19	FEW	060			10.00	60	54	57	81	8	25	28.85	29.89	22	OVC	060			5.00	RA	60	54	57	81	8	25	28.85	29.89																																																																					
<b>SUNRISE: 0703</b>						<b>NOV 06</b>						<b>SUNRISE: 1736</b>						<b>SUNRISE: 0709</b>						<b>NOV 12</b>						<b>SUNSET: 1731</b>																																																																																																																																																																																																	
01	OVC	044			7.00	59	56	57	90	13	24	28.87	29.90	01	CLR	NC			10.00	44	36	40	74	0	00	29.22	30.27	04	OVC	070			10.00	51	39	45	64	6	31	28.95	29.98	04	BKN	120			10.00	42	36	39	79	0	00	29.24	30.29	07	FEW	041			10.00	42	26	36	53	3	35	29.07	30.11	07	OVC	120			10.00	47	24	38	41	9	27	29.12	30.16	10	CLR	NC			10.00	49	23	39	36	14	29	29.11	30.15	13	BKN	100			10.00	50	19	38	29	9	29	29.12	30.16	16	FEW	050			10.00	44	22	36	42	5	29	29.18	30.23	19	CLR	NC			10.00	40	22	33	49	7	01	29.22	30.29	22	CLR	NC			10.00	40	22	33	49	7	01	29.22	30.29																																																																						

# OBSERVATIONS AT 3-HOURLY INTERVALS

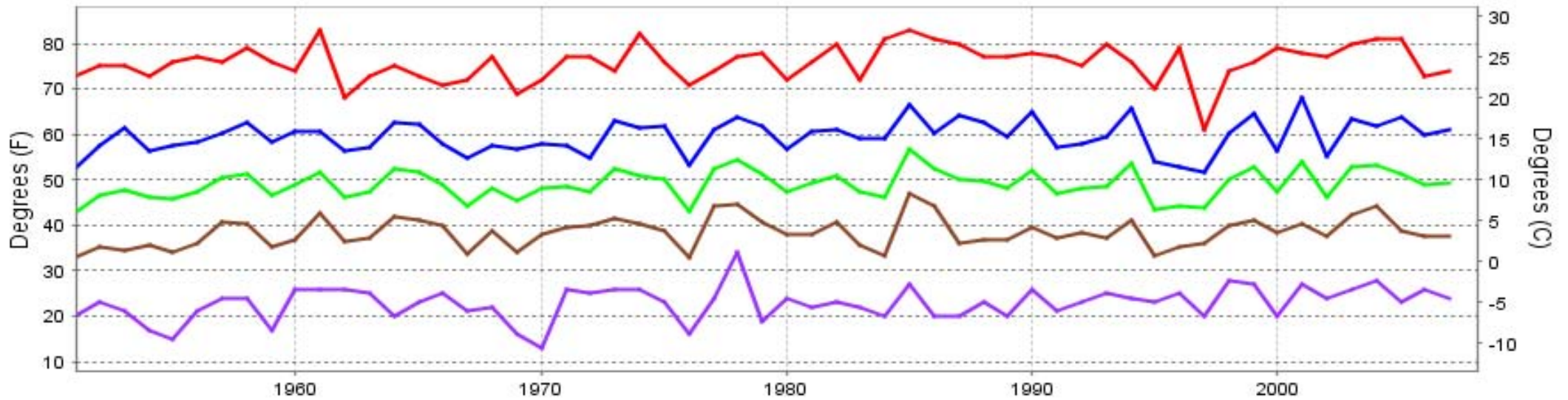
**KNOXVILLE, TN**  
**NOVEMBER 2007**      **KTYS**

**WBAN # 13891**

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)						
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL	
																												DRY BULB
<b>SUNRISE: 0710</b>						<b>NOV 13</b>						<b>SUNSET: 1730</b>																
01	SCT	120				53	42	48	66	0	00	29.14	30.17	01	BKN	055				50	46	48	86	0	00	29.18	30.22	
04	BKN	110				51	43	47	74	3	21	29.10	30.14	04	OVC	055				49	47	48	93	0	00	29.18	30.22	
07	OVC	095				53	43	48	69	6	29	29.09	30.14	07	OVC	024				51	48	49	90	0	00	29.22	30.27	
10	OVC	032				54	47	50	77	0	00	29.10	30.14	10	OVC	035				55	51	53	86	3	24	29.24	30.30	
13	BKN	055				67	51	58	57	14	18	29.01	30.04	13	OVC	050				60	55	57	84	8	22	29.21	30.26	
16	OVC	070			+RA BR	58	55	56	90	3	05	29.00	30.04	16	FEW	035				65	54	59	68	5	20	29.15	30.20	
19	BKN	095			BR	56	55	55	96	5	22	28.99	30.03	19	CLR	NC				59	53	56	81	0	00	29.15	30.20	
22	VV	001			FG	55	54	54	96	6	03	28.97	30.01	22	CLR	NC				53	52	52	96	0	00	29.18	30.22	
<b>SUNRISE: 0711</b>						<b>NOV 14</b>						<b>SUNSET: 1730</b>																
01	VV	001			0.12 FG	54	53	53	96	0	00	28.94	29.97	01	BKN	001				1.25 BR	48	48	48	100	0	00	29.15	30.20
04	OVC	038			0.75 BR	54	53	53	96	0	00	28.92	29.95	04	VV	001				0.25 FG	44	43	44	96	0	00	29.15	30.19
07	SCT	025			9.00	56	54	55	93	9	23	28.92	29.96	07	VV	001				0.50 FG	43	42	43	96	0	00	29.18	30.22
10	SCT	030			10.00	66	59	62	78	11	21	28.91	29.95	10	BKN	001				1.50 BR	49	48	48	96	0	00	29.21	30.26
13	BKN	035			10.00	72	59	64	64	13	22	28.84	29.87	13	CLR	NC				10.00	70	51	59	51	13	23	29.12	30.16
16	OVC	070			10.00	68	61	64	78	7	27	28.79	29.80	16	FEW	070				10.00	71	50	59	48	13	22	29.08	30.12
19	BKN	120			10.00	68	59	63	73	11	20	28.78	29.80	19	CLR	NC				10.00	61	48	54	63	6	23	29.08	30.12
22	OVC	038			4.00 TSRA BR	60	58	59	93	9	26	28.77	29.79	22	CLR	NC				10.00	58	49	53	72	5	20	29.09	30.13
<b>SUNRISE: 0712</b>						<b>NOV 15</b>						<b>SUNSET: 1729</b>																
01	OVC	026			10.00	54	47	50	77	9	34	28.79	29.82	01	CLR	NC				10.00	55	48	51	77	0	00	29.06	30.09
04	OVC	075			10.00	48	45	47	89	6	24	28.86	29.90	04	CLR	NC				10.00	54	48	51	80	6	27	29.06	30.09
07	SCT	070			10.00	45	31	39	58	5	32	28.91	29.95	07	BKN	047				6.00 BR	47	45	46	93	0	00	29.08	30.12
10	OVC	055			10.00	47	30	40	52	16	29	28.94	29.98	10	SCT	049				10.00	59	50	54	72	0	00	29.06	30.10
13	OVC	048			10.00	43	27	37	53	15	27	28.99	30.03	13	SCT	050				10.00	73	53	61	50	20	20	28.98	30.01
16	OVC	048			10.00	41	23	34	49	10	30	29.04	30.09	16	BKN	100				10.00	71	50	59	48	15	22	28.93	29.96
19	OVC	060			10.00	40	25	34	55	5	28	29.09	30.15	19	OVC	110				10.00	63	55	58	75	6	22	28.93	29.97
22	BKN	060			10.00	37	26	33	65	6	24	29.13	30.19	22	BKN	100				10.00	61	57	59	87	13	19	28.90	29.93
<b>SUNRISE: 0713</b>						<b>NOV 16</b>						<b>SUNSET: 1728</b>																
01	OVC	050			10.00	35	26	32	70	3	23	29.12	30.18	01	OVC	024				10.00	62	58	60	87	11	20	28.85	29.88
04	CLR	NC			10.00	32	27	30	82	0	00	29.11	30.17	04	OVC	075				10.00	65	60	62	84	15	21	28.82	29.84
07	FEW	050			10.00	29	25	28	85	0	00	29.12	30.19	07	OVC	031				10.00	60	57	58	90	15	22	28.85	29.88
10	CLR	NC			10.00	39	25	34	57	3	10	29.14	30.20	10	OVC	026				7.00	48	44	46	86	9	24	29.00	30.04
13	CLR	NC			10.00	43	24	36	47	7	17	29.07	30.13	13	OVC	017				10.00	45	39	42	80	7	25	29.05	30.09
16	CLR	NC			10.00	46	26	38	46	7	20	29.03	30.09	16	OVC	032				10.00	46	36	42	68	8	36	29.09	30.13
19	CLR	NC			10.00	42	25	35	51	3	21	29.02	30.08	19	FEW	035				10.00	43	30	38	60	6	36	29.14	30.19
22	CLR	NC			10.00	37	27	33	67	0	00	29.01	30.07	22	OVC	040				10.00	43	34	39	71	9	35	29.18	30.23
<b>SUNRISE: 0714</b>						<b>NOV 17</b>						<b>SUNSET: 1728</b>																
01	CLR	NC			9.00	32	28	30	85	0	00	29.02	30.09	01	OVC	024				10.00	41	34	38	76	7	01	29.16	30.23
04	CLR	NC			6.00 BR	29	27	28	92	0	00	29.03	30.10	04	OVC	049				10.00	39	31	36	73	14	36	29.18	30.24
07	CLR	NC			7.00	28	26	27	92	0	00	29.03	30.10	07	SCT	049				10.00	35	25	31	67	10	01	29.21	30.28
10	BKN	090			9.00	38	32	36	79	0	00	29.05	30.11	10	OVC	034				10.00	36	23	31	59	10	34	29.29	30.36
13	BKN	070			10.00	56	32	45	40	17	23	28.97	30.02	13	SCT	044				10.00	41	19	33	41	6	05	29.26	30.33
16	FEW	080			10.00	59	33	47	38	8	23	28.93	29.98	16	FEW	055				10.00	42	21	34	43	10	05	29.24	30.31
19	CLR	NC			10.00	52	36	45	55	6	30	28.97	30.03	19	CLR	NC				10.00	36	21	31	55	5	04	29.28	30.35
22	OVC	060			10.00	50	40	45	69	8	24	29.01	30.07	22	CLR	NC				10.00	32	23	29	69	9	03	29.28	30.36
<b>SUNRISE: 0715</b>						<b>NOV 18</b>						<b>SUNSET: 1727</b>																
01	CLR	NC			10.00	50	42	46	74	6	27	29.02	30.07	01	CLR	NC				10.00	30	22	27	72	5	01	29.30	30.37
04	SCT	026			10.00	46	42	44	86	0	00	29.05	30.09	04	CLR	NC				10.00	28	22	26	78	7	04	29.28	30.35
07	SCT	025			10.00	46	42	44	86	0	00	29.10	30.14	07	CLR	NC				10.00	26	22	25	85	3	04	29.32	30.40
10	SCT	027			10.00	55	45	50	69	3	30	29.15	30.20	10	CLR	NC				10.00	34	25	31	70	3	04	29.35	30.42
13	FEW	030			10.00	63	49	55	60	6	25	29.14	30.18	13	SCT	120				10.00	45	23	36	42	0	00	29.29	30.36
16	CLR	NC			10.00	63	48	55	58	5	32	29.13	30.18	16	BKN	120				10.00	48	25	39	41	0	00	29.22	30.29
19	CLR	NC			10.00	57	47	52	69	0	00	29.16	30.21	19	OVC	110				10.00	46	28	39	50	0	00	29.25	30.32
22	CLR	NC			10.00	51	46	48	83	0	00	29.16	30.22	22	OVC	070				10.00	44	31	39	60	0	00	29.26	30.33



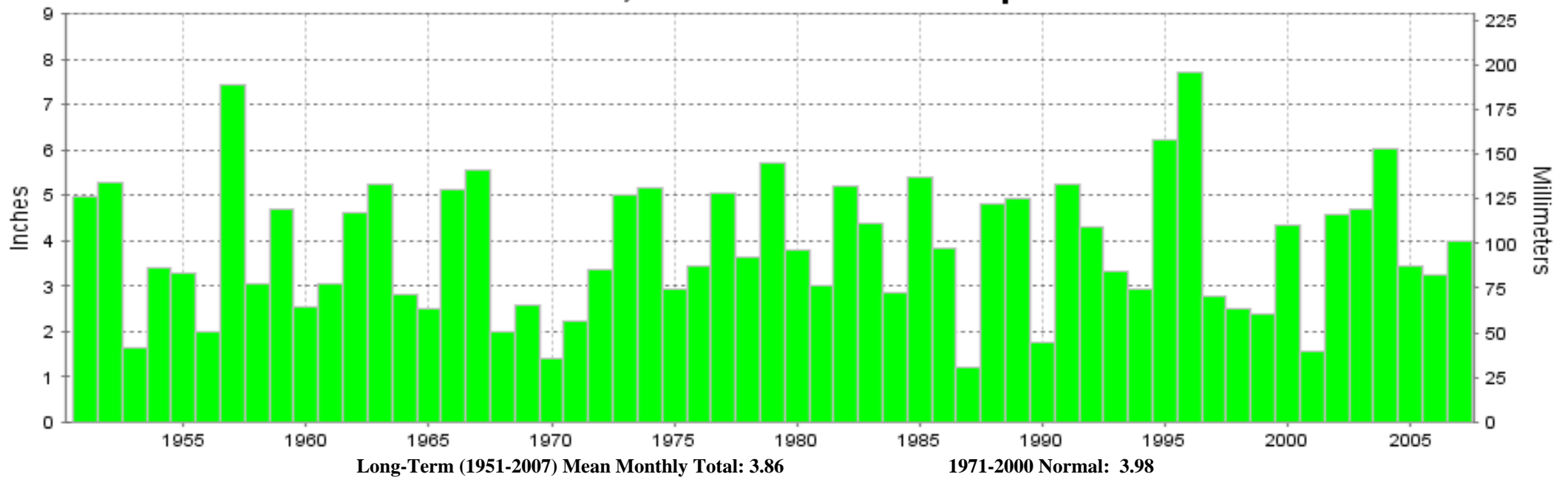
## KNOXVILLE, TN NOVEMBER Temperatures



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

Long-Term (1951-2007) Mean: 49.0  
1971-2000 Normal: 49.0

## KNOXVILLE, TN NOVEMBER Precipitation



Long-Term (1951-2007) Mean Monthly Total: 3.86

1971-2000 Normal: 3.98

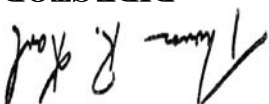




**NOVEMBER 2007  
KNOXVILLE, TN**

**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.*



**DIRECTOR**

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost for online delivery (including back issues) is significantly less than the cost for offline delivery.** To order this and other subscriptions online with your credit card, go to: **www.ncdc.noaa.gov** and choose subscriptions.

We welcome your questions or comments, please contact us at:

Toll Free Number (866) 742-3322 (voice)

Fax Number : (304) 726-4409

TDD : (828) 271-4010

or Email : [ncdc.info@noaa.gov](mailto:ncdc.info@noaa.gov)

Local Climatological Data is available at [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)

United States  
Department of Commerce

National Oceanic and  
Atmospheric Administration

National Environmental Satellite  
and Data Service Administration

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center  
310 State Route 956 Building 300  
Rocket Center, WV 26726

OFFICIAL BUSINESS, PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
NOAA  
PERMIT G-19