



SEPTEMBER 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			
2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23				
01	90	70	80	6	66	70	0	15	BR HZ	0		0.0	0.00	29.00	30.03	3.0	05	4.5	16	15	14	14	01	
02	89	70	80	6	65	70	0	15	BR HZ	0		0.0	0.00	29.10	30.13	1.2	08	2.7	20	03	10	03	02	
03	91	69	80	6	65	70	0	15	HZ	0		0.0	0.00	29.10	30.11	1.7	24	3.2	13	28	9	20	03	
04	94	67	81	7	58	67	0	16	BR HZ	0		0.0	0.00	29.00	30.02	1.1	03	1.7	17	03	14	05	04	
05	94*	63	79	5	57	65	0	14		0		0.0	0.00	29.00	30.03	0.9	04	1.7	14	02	9	02	05	
06	92	66	79	5	60	67	0	14	HZ	0		0.0	0.00	29.10	30.13	3.4	19	4.6	20	21	17	22	06	
07	90	72	81	7	62	68	0	16		0		0.0	0.00	29.10	30.12	4.6	23	5.7	21	19	17	19	07	
08	92	65	79	5	61	68	0	14		0		0.0	0.00	29.04	30.04	0.4	22	1.1	12	02	8	19	08	
09	92	66	79	6	62	68	0	14		0		0.0	0.00	28.98	29.99	2.3	25	3.5	21	31	14	30	09	
10	90	74	82*	9	67	71	0	17	RA	0		0.0	T	28.97	29.97	2.0	25	4.7	21	31	17	18	10	
11	80	70	75	2	67	69	0	10	RA BR HZ	0		0.0	0.32	28.90	29.91	5.8	23	6.6	18	26	15	25	11	
12	84	63	74	1	57	63	0	9		0		0.0	0.00	29.00	30.02	4.4	01	4.8	15	02	12	02	12	
13	85	58	72	0	58	64	0	7		0		0.0	0.00	29.01	30.03	1.6	27	2.6	16	23	14	23	13	
14	75	66	71	-1	68	68	0	6	RA FG+ FG BR	0		0.0	1.17	28.97	29.98	1.3	24	3.5	23	32	18	32	14	
15	74	57	66	-5	51	58	0	1	FG+ FG BR	0		0.0	0.00	29.07	30.12	6.2	35	6.9	17	02	14	35	15	
16	78	51	65*	-6	49	56	0	0		0		0.0	0.00	29.13	30.17	2.6	02	3.1	13	02	9	03	16	
17	81	57	69	-2	58	62	0	4		0		0.0	0.00	29.16	30.20	1.2	02	2.0	15	04	9	04	17	
18	82	59	71	1	58	63	0	6	BR	0		0.0	0.00	29.18	30.20	3.9	03	4.4	20	02	16	03	18	
19	83	57	70	0	57	62	0	5	BR HZ	0		0.0	0.00	29.13	30.15	3.0	03	3.5	21	04	16	03	19	
20	85	58	72	2	56	62	0	7	BR	0		0.0	0.00	29.04	30.06	4.5	04	5.1	17	03	14	03	20	
21	88	61	75	5	61	66	0	10		0		0.0	0.00	29.00	30.01	0.4	16	3.2	13	18	9	19	21	
22	88	64	76	7	64	68	0	11		0		0.0	0.00	29.05	30.08	1.5	04	2.3	17	36	12	36	22	
23	93	64	79	11	63	69	0	14		0		0.0	0.00	29.11	30.13	2.3	04	4.6	20	05	15	04	23	
24	93	67	80	12	64	70	0	15		0		0.0	0.00	29.11	30.13	0.5	20	3.8	12	03	9	19	24	
25	91	66	79	11	63	69	0	14		0		0.0	0.00	29.10	30.11	2.0	23	2.8	17	23	14	24	25	
26	88	67	78	11	63	68	0	13	HZ	0		0.0	0.00	29.03	30.03	2.6	24	3.5	17	23	13	23	26	
27	84	65	75	8	63	67	0	10	RA BR HZ	0		0.0	T	28.95	29.95	4.4	23	4.8	18	19	15	19	27	
28	81	58	70	4	49	59	0	5		0		0.0	0.00	29.05	30.10	5.6	01	6.2	25*	02	20*	02	28	
29	83	50	67	1	41	53	0	2		0		0.0	0.00	29.23	30.27	4.0	03	4.9	20	05	16	04	29	
30	83	49*	66	1	44	54	0	1		0		0.0	0.00	29.28	30.33	0.7	28	2.8	13	12	9	07	30	

86.4	63.0	74.7	☼	59.2	65.1	0.0	10.0	< MONTHLY AVERAGES TOTALS >				0.0	1.49	29.07	30.08	0.7	34	3.8	< MONTHLY AVERAGES			
5.7	2.2	3.9		<-----DEPARTURE FROM NORMAL----->										-1.55	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.17 DATE : 14				SEA LEVEL PRESSURE				DATE TIME			
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.42 30 1005			
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.87 11 0609			
HEATING :		0 -22		0		-22		NUMBER OF ->		MAXIMUM TEMP >= 90 : 12		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 2	
COOLING :		300 95		1873		454		THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 2	
										: 0		HEAVY FOG : 2		SNOWFALL >= 1.0 INCH : 0	

SEPTEMBER 2007
 KNOXVILLE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
SEPTEMBER 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												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10				T								10	T	T	
11											0.01	0.13	11	0.13	0.05								T	T	11	0.32	0.32	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14		T	T	T	0.10	0.03	0.08	T	T	T	0.57	0.05	14	0.04	0.08	0.12	0.10	T							14	1.17	1.17	
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													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27	T											27	T	T	
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)	0.23	0.40	0.50	0.53	0.56	0.56	0.57	0.59	0.62	0.62	0.62	0.67
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	1018	1018	1020	1023	1033	1033	1059	1125	1144	1144	1144	1304

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 SEPTEMBER 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							3.00	9.00	
02							3.00	10.00	
03							5.00	10.00	
04							3.00	10.00	
05							9.00	10.00	
06							5.00	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							9.00	10.00	
10							10.00	10.00	
11							2.00	10.00	
12							9.00	10.00	
13							10.00	10.00	
14							0.12	10.00	
15							0.25	10.00	
16							10.00	10.00	
17							7.00	10.00	
18							3.00	10.00	
19							2.50	10.00	
20							4.00	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							6.00	10.00	
27							4.00	10.00	
28							9.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							6.73	9.97	
SUNSHINE (Minutes)									
Total : 0					Possible : 22300				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
2		8			17				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

SEPTEMBER 2007 KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATellite		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATellite		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas			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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0617 SEP 13 SUNSET: 1846														SUNRISE: 0621 SEP 19 SUNSET: 1838															
01	CLR	NC			10.00		63	57	60	81	0	00	29.02	30.04	01	CLR	NC			10.00		66	57	61	73	3	25	29.15	30.16
04	CLR	NC			10.00		61	56	58	84	0	00	29.02	30.04	04	CLR	NC			5.00	BR	59	57	58	93	3	06	29.15	30.17
07	FEW	120			10.00		60	56	58	87	0	00	29.05	30.07	07	CLR	NC			7.00		58	55	56	90	0	00	29.19	30.23
10	CLR	NC			10.00		72	57	63	59	5	01	29.07	30.09	10	CLR	NC			10.00		71	57	63	61	3	05	29.19	30.22
13	CLR	NC			10.00		83	56	66	40	7	25	29.03	30.05	13	FEW	040			10.00		79	58	66	49	8	02	29.14	30.16
16	FEW	120			10.00		84	58	68	41	3	30	28.96	29.98	16	CLR	NC			10.00		82	56	66	41	9	06	29.08	30.10
19	FEW	120			10.00		81	58	67	46	0	00	28.96	29.98	19	CLR	NC			10.00		76	56	64	50	6	36	29.08	30.10
22	BKN	060			10.00		75	62	67	64	7	23	28.99	30.01	22	CLR	NC			10.00		70	58	63	66	0	00	29.08	30.10
SUNRISE: 0617 SEP 14 SUNSET: 1845														SUNRISE: 0622 SEP 20 SUNSET: 1836															
01	BKN	090			10.00		74	67	69	79	8	23	28.99	30.00	01	CLR	NC			10.00		62	58	60	87	0	00	29.06	30.09
04	BKN	090			10.00	-RA	71	68	69	90	0	00	28.97	29.99	04	CLR	NC			10.00		61	57	59	87	0	00	29.08	30.10
07	OVC	048			1.50	-RA BR	70	69	69	97	0	00	28.96	29.98	07	CLR	NC			4.00	BR	59	57	58	93	0	00	29.10	30.13
10	OVC	034			2.50	-RA BR	72	69	70	90	9	06	28.94	29.96	10	CLR	NC			10.00		71	57	63	61	10	04	29.10	30.13
13	OVC	018			4.00	RA BR	70	67	68	90	5	25	28.96	29.98	13	CLR	NC			10.00		81	54	65	39	8	07	29.03	30.05
16	OVC	020			3.00	-RA BR	70	68	69	93	6	04	28.91	29.93	16	FEW	045			10.00		85	53	65	33	9	03	28.98	30.00
19	BKN	028			10.00		70	68	69	93	6	27	28.95	29.98	19	FEW	070			10.00		79	55	64	44	7	01	28.98	30.00
22	CLR	NC			4.00	BR	67	66	66	97	3	20	28.98	30.01	22	CLR	NC			10.00		71	57	63	61	0	00	29.00	30.02
SUNRISE: 0618 SEP 15 SUNSET: 1843														SUNRISE: 0623 SEP 21 SUNSET: 1835															
01	VV	001			0.25	FG	66	65	65	97	0	00	28.99	30.01	01	CLR	NC			10.00		65	59	61	81	3	02	28.99	30.01
04	OVC	029			5.00	BR	66	63	64	90	9	34	29.01	30.04	04	CLR	NC			10.00		63	59	61	87	0	00	28.99	30.01
07	BKN	040			10.00		62	52	56	70	5	01	29.08	30.11	07	FEW	080			10.00		62	59	60	90	0	00	29.04	30.06
10	FEW	040			10.00		65	50	57	59	9	36	29.13	30.16	10	FEW	060			10.00		76	63	68	64	6	04	29.04	30.06
13	FEW	060			10.00		71	49	59	46	8	34	29.13	30.15	13	SCT	050			10.00		83	62	69	49	3	09	29.00	30.01
16	FEW	060			10.00		73	46	58	38	11	35	29.10	30.12	16	BKN	100			10.00		87	62	71	43	6	VR	28.94	29.96
19	CLR	NC			10.00		66	45	55	47	7	34	29.11	30.14	19	SCT	065			10.00		80	64	70	58	0	00	28.96	29.98
22	CLR	NC			10.00		59	46	52	62	3	07	29.13	30.16	22	SCT	060			10.00		77	62	67	60	8	18	28.98	29.99
SUNRISE: 0619 SEP 16 SUNSET: 1842														SUNRISE: 0624 SEP 22 SUNSET: 1833															
01	CLR	NC			10.00		55	45	50	69	6	02	29.11	30.14	01	CLR	NC			10.00		69	63	65	81	0	00	29.02	30.03
04	CLR	NC			10.00		55	43	49	64	8	02	29.13	30.16	04	CLR	NC			10.00		66	62	64	87	3	06	29.03	30.05
07	SCT	060			10.00		52	46	49	80	0	00	29.18	30.22	07	FEW	065			10.00		65	62	63	90	0	00	29.06	30.08
10	FEW	040			10.00		63	47	54	56	5	VR	29.18	30.22	10	FEW	070			10.00		79	65	70	62	5	02	29.09	30.10
13	FEW	055			10.00		72	45	57	38	7	01	29.15	30.19	13	SCT	080			10.00		86	63	71	46	0	00	29.08	30.10
16	FEW	050			10.00		77	51	62	40	0	00	29.10	30.13	16	FEW	090			10.00		86	64	71	48	5	11	29.04	30.06
19	CLR	NC			10.00		73	52	61	48	0	00	29.10	30.13	19	SCT	100			10.00		82	62	69	51	3	06	29.05	30.07
22	SCT	015			10.00		65	55	59	70	0	00	29.12	30.15	22	CLR	NC			10.00		74	65	68	74	0	00	29.10	30.11
SUNRISE: 0620 SEP 17 SUNSET: 1841														SUNRISE: 0624 SEP 23 SUNSET: 1832															
01	SCT	055			10.00		62	56	59	81	0	00	29.14	30.17	01	CLR	NC			10.00		69	65	66	87	0	00	29.10	30.12
04	CLR	NC			10.00		59	56	57	90	0	00	29.15	30.19	04	CLR	NC			10.00		67	63	65	87	0	00	29.11	30.13
07	CLR	NC			7.00		59	56	57	90	0	00	29.21	30.24	07	CLR	NC			10.00		65	62	63	90	3	06	29.16	30.19
10	CLR	NC			10.00		70	57	62	64	0	00	29.23	30.27	10	CLR	NC			10.00		79	66	70	65	5	04	29.18	30.20
13	FEW	045			10.00		77	58	65	52	3	VR	29.19	30.22	13	FEW	050			10.00		89	63	72	42	13	05	29.13	30.14
16	SCT	050			10.00		81	58	67	46	5	VR	29.15	30.17	16	FEW	050			10.00		92	61	72	36	5	04	29.06	30.07
19	CLR	NC			10.00		74	59	65	60	5	01	29.14	30.17	19	SCT	080			10.00		85	62	70	46	6	02	29.06	30.08
22	SCT	060			10.00		71	59	64	66	0	00	29.18	30.20	22	FEW	075			10.00		80	64	70	58	7	23	29.12	30.13
SUNRISE: 0621 SEP 18 SUNSET: 1839														SUNRISE: 0625 SEP 24 SUNSET: 1830															
01	CLR	NC			10.00		67	59	62	76	0	00	29.16	30.19	01	BKN	070			10.00		77	65	69	67	3	23	29.12	30.13
04	CLR	NC			7.00		63	59	61	87	5	02	29.18	30.21	04	CLR	NC			10.00		74	64	68	71	0	00	29.12	30.13
07	CLR	NC			4.00	BR	60	57	58	90	0	00	29.23	30.27	07	CLR	NC			10.00		69	64	66	84	0	00	29.15	30.18
10	FEW	040			10.00		71	59	64	66	3	05	29.25	30.28	10	CLR	NC			10.00		82	66	71	58	3	09	29.18	30.20
13	FEW	045			10.00		79	60	67	52	5	07	29.19	30.22	13	FEW	050			10.00		89	64	72	44	3	21	29.13	30.14
16	FEW	050			10.00		82	56	66	41	9	02	29.13	30.15	16	FEW	065			10.00		92	62	72	37	6	02	29.07	30.08
19	CLR	NC			10.00		76	56	64	50	6	02	29.12	30.15	19	FEW	080			10.00		85	62	70	46	0	00	29.06	30.07
22	CLR	NC			10.00		70	57	62	64	3	07	29.14	30.16	22	CLR	NC			10.00		80	61	68	52	5	22	29.10	30.11

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
SEPTEMBER 2007 KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0626 SEP 25						SUNSET: 1829								
01	CLR	NC				75	62	67	64	5	24	29.11	30.12	
04	SCT	090				70	64	66	81	0	00	29.12	30.13	
07	SCT	090				68	63	65	84	0	00	29.14	30.16	
10	BKN	080				80	66	71	62	0	00	29.16	30.18	
13	SCT	080				89	64	72	44	3	VR	29.11	30.12	
16	FEW	070				91	61	71	37	0	00	29.03	30.04	
19	BKN	120				84	63	70	49	10	24	29.04	30.06	
22	SCT	110				77	63	68	62	5	22	29.08	30.09	
SUNRISE: 0627 SEP 26						SUNSET: 1827								
01	SCT	100				74	63	67	69	5	22	29.07	30.08	
04	CLR	NC				71	62	65	73	0	00	29.05	30.06	
07	CLR	NC				69	63	65	81	3	32	29.08	30.09	
10	FEW	050				79	64	69	60	6	21	29.07	30.09	
13	FEW	055				85	65	72	51	5	27	29.02	30.03	
16	SCT	060				86	61	70	43	8	24	28.96	29.97	
19	FEW	100				80	62	68	54	3	26	28.96	29.98	
22	CLR	NC				75	62	67	64	5	20	28.99	30.00	
SUNRISE: 0628 SEP 27						SUNSET: 1826								
01	CLR	NC				72	63	66	73	0	00	28.98	29.99	
04	FEW	120			BR HZ	66	63	64	90	0	00	28.96	29.97	
07	SCT	110				68	63	65	84	0	00	28.96	29.98	
10	BKN	100				77	62	67	60	6	22	28.97	29.99	
13	BKN	100				78	64	69	62	6	27	28.94	29.96	
16	SCT	070				80	62	68	54	9	21	28.88	29.90	
19	CLR	NC				74	64	68	71	7	22	28.90	29.92	
22	FEW	043				71	63	66	76	5	25	28.92	29.94	
SUNRISE: 0628 SEP 28						SUNSET: 1824								
01	BKN	042				70	64	66	81	0	00	28.96	29.98	
04	FEW	080				68	57	61	68	6	35	28.99	30.01	
07	FEW	060				63	58	60	84	0	00	29.06	30.09	
10	FEW	038				73	56	63	55	8	06	29.12	30.14	
13	FEW	055				80	43	60	27	9	35	29.10	30.12	
16	CLR	NC				81	41	59	24	13	02	29.06	30.08	
19	CLR	NC				72	37	54	28	6	35	29.09	30.12	
22	CLR	NC				66	40	53	39	0	00	29.15	30.19	
SUNRISE: 0629 SEP 29						SUNSET: 1823								
01	CLR	NC				60	41	50	50	6	02	29.18	30.22	
04	CLR	NC				53	43	48	69	7	05	29.21	30.24	
07	CLR	NC				51	42	47	71	3	07	29.26	30.31	
10	CLR	NC				69	44	56	41	11	04	29.28	30.32	
13	CLR	NC				79	39	58	24	10	02	29.25	30.28	
16	CLR	NC				81	34	57	18	0	00	29.21	30.24	
19	CLR	NC				74	38	55	27	6	02	29.21	30.25	
22	CLR	NC				64	43	53	47	0	00	29.25	30.29	
SUNRISE: 0630 SEP 30						SUNSET: 1822								
01	CLR	NC				58	45	51	62	0	00	29.26	30.29	
04	CLR	NC				52	45	48	77	3	07	29.27	30.31	
07	CLR	NC				51	44	48	77	0	00	29.32	30.37	
10	CLR	NC				66	46	55	49	0	00	29.38	30.42	
13	CLR	NC				77	43	58	30	3	VR	29.31	30.35	
16	CLR	NC				82	43	60	25	5	VR	29.24	30.28	
19	CLR	NC				74	43	57	33	6	27	29.25	30.29	
22	CLR	NC				64	46	54	52	6	20	29.27	30.31	

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

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

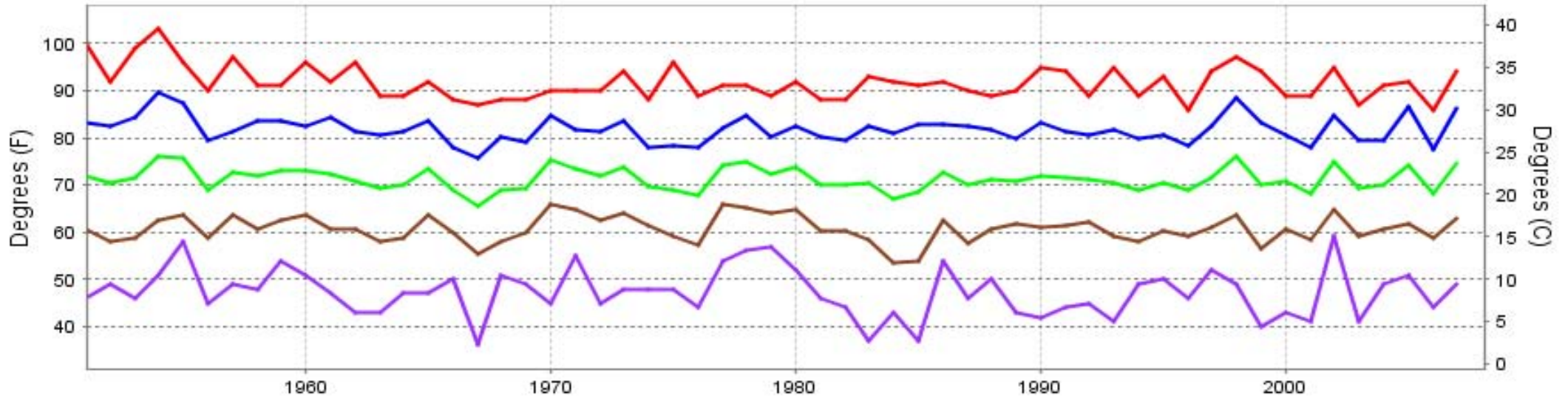
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)			
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			69	61	64	74	29.06	30.07	9.08	3	2	23
02			68	61	64	78	29.06	30.07	8.69	3	2	22
03			67	61	63	80	29.06	30.07	8.68	2	2	21
04			66	60	63	81	29.06	30.08	8.67	2	2	13
05			65	60	62	83	29.07	30.09	8.50	2	2	14
06			65	60	62	84	29.08	30.10	8.37	2	2	19
07			65	60	62	83	29.10	30.12	7.72	2	2	19
08			68	61	63	78	29.11	30.13	8.02	3	2	16
09			72	61	65	69	29.11	30.13	8.85	4	1	14
10			76	60	66	60	29.11	30.14	9.12	4	1	14
11			78	60	67	55	29.11	30.13	9.00	5	1	23
12			81	60	68	50	29.10	30.12	9.07	5	1	16
13			83	59	68	46	29.08	30.10	9.07	6	1	16
14			84	57	67	42	29.06	30.07	9.13	6	1	21
15			85	57	68	41	29.04	30.05	9.30	5	1	18
16			85	57	68	41	29.02	30.04	9.43	6	1	15
17			84	57	67	41	29.02	30.04	9.73	6	1	22
18			82	57	67	44	29.02	30.04	9.77	5	1	20
19			79	58	66	50	29.03	30.05	9.77	5	1	21
20			77	58	65	54	29.04	30.06	9.77	5	1	23
21			74	59	65	60	29.06	30.07	9.60	3	1	20
22			73	59	65	62	29.06	30.08	9.37	3	2	24
23			72	60	64	67	29.07	30.09	9.21	3	3	25
24			70	60	64	71	29.07	30.08	9.24	3	2	24

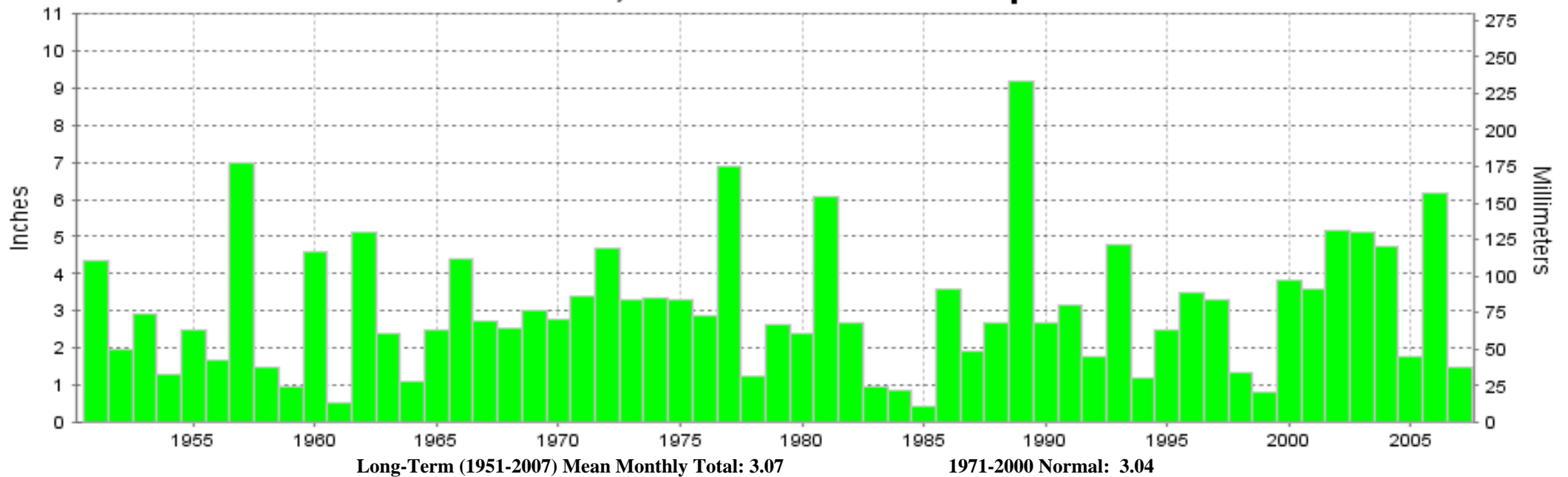
KNOXVILLE, TN SEPTEMBER Temperatures



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

Long-Term (1951-2007) Mean: 71.3
1971-2000 Normal: 70.8

KNOXVILLE, TN SEPTEMBER Precipitation



Long-Term (1951-2007) Mean Monthly Total: 3.07

1971-2000 Normal: 3.04



SEPTEMBER 2007
KNOXVILLE, TN

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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