



SEPTEMBER 2006 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 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
01	82	69	76*	2	67	69	0	11	RA	0		0.0	T	28.87	29.89	6.9	03	7.5	15	02	13	04	01	
02	81	68	75	1	64	67	0	10		0		0.0	0.00	28.93	29.95	3.8	01	5.3	15	01	13	01	02	
03	82	63	73	-1	64	67	0	8		0		0.0	0.00	28.99	30.02	5.9	03	6.8	15	36	13	36	03	
04	79	67	73	-1	67	68	0	8	TS TSRA RA BR	0		0.0	0.41	28.98	30.01	4.5	04	5.4	28	22	24	22	04	
05	73	64	69	-5	65	66	0	4	RA FG+ FG BR	0		0.0	0.27	28.96	30.00	2.7	06	4.3	22	26	18	25	05	
06	80	63	72	-2	61	64	0	7	FG+ FG BR HZ	0		0.0	0.00	29.00	30.02	3.3	03	3.9	13	02	12	36	06	
07	83	59	71	-3	60	64	0	6	BR	0		0.0	0.00	29.00	30.02	1.7	02	2.9	9	27	8	28	07	
08	83	63	73	-1	63	66	0	8	BR	0		0.0	0.00	29.03	30.05	0.9	06	1.4	8	32	7	01	08	
09	82	62	72	-1	63	66	0	7	BR HZ	0		0.0	0.00	29.04	30.06	1.7	06	2.4	9	01	9	36	09	
10	84	64	74	1	65	68	0	9	FG+ BR HZ	0		0.0	0.00	29.04	30.07	0.6	08	1.7	17	15	15	15	10	
11	84	64	74	1	65	67	0	9	RA BR HZ	0		0.0	T	29.07	30.10	1.1	03	3.4	18	27	16	29	11	
12	77	63	70	-3	63	65	0	5	RA FG+ BR HZ	0		0.0	0.02	29.04	30.05	2.8	24	5.2	18	23	16	23	12	
13	75	64	70	-2	63	65	0	5	RA BR	0		0.0	0.27	28.87	29.88	1.6	36	5.0	17	36	14	03	13	
14	76	57	67	-5	55	60	0	2		0		0.0	0.00	28.92	29.96	4.9	01	6.2	16	02	14	02	14	
15	80	57	69	-2	57	61	0	4		0		0.0	0.00	29.02	30.05	6.9	04	7.6	17	05	14	04	15	
16	83	59	71	0	58	62	0	6	BR HZ	0		0.0	0.00	29.05	30.07	1.8	05	3.9	12	29	9	29	16	
17	82	57	70	-1	58	63	0	5	BR	0		0.0	0.00	28.97	29.99	1.5	24	3.0	18	23	14	24	17	
18	86*	60	73	3	64	67	0	8	RA BR HZ	0		0.0	0.37	28.85	29.86	4.0	23	7.3	28	30	21	28	18	
19	76	60	68	-2	55	61	0	3	RA BR	0		0.0	0.70	28.86	29.89	5.0	31	7.6	20	01	14	31	19	
20	69	50	60	-10	45	52	5	0		0		0.0	0.00	28.96	30.00	5.3	01	6.8	17	02	15	02	20	
21	73	46	60	-10	49	54	5	0		0		0.0	0.00	28.99	30.03	3.2	04	5.3	14	04	12	04	21	
22	75	58	67	-2	61	64	0	2	RA BR HZ	0		0.0	0.16	28.97	29.98	1.8	19	6.0	22	18	20	20	22	
23	77	66	72	4	66	67	0	7	TSRA RA BR	0		0.0	3.04	28.93	29.96	2.7	21	9.4	29	31	23	33	23	
24	75	62	69	1	64	66	0	4	RA BR	0		0.0	0.28	28.89	29.91	6.9	23	8.8	25	22	22	23	24	
25	71	56	64	-4	55	58	1	0		0		0.0	0.00	28.97	30.02	1.1	30	2.5	13	27	10	26	25	
26	72	53	63	-4	51	56	2	0	FG+ BR HZ	0		0.0	0.00	29.02	30.05	1.0	28	2.1	13	28	10	28	26	
27	76	48	62	-5	53	57	3	0	BR	0		0.0	0.00	28.94	29.95	4.3	22	5.0	17	21	15	21	27	
28	74	50	62	-4	55	58	3	0	TS TSRA RA GS BR	0		T	0.65	28.79	29.85	5.9	23	8.5	35*	28	28*	22	28	
29	65	44*	55*	-11	45	49	10	0		0		0.0	0.00	28.97	30.02	1.9	21	2.6	14	23	10	26	29	
30	74	49	62	-3	50	55	3	0		0		0.0	0.00	28.97	30.00	7.6	23	9.0	29	23	24	23	30	

77.6	58.8	68.2	☼	59.0	62.4	1.1	4.6	< MONTHLY AVERAGES TOTALS >				T	6.17	28.97	29.99	0.8	35	5.2	< MONTHLY AVERAGES			
-3.1	-2.0	-2.6		-----DEPARTURE FROM NORMAL ----->								3.13	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 3.25 DATE : 23-24				SEA LEVEL PRESSURE											
MONTHLY				GREATEST 24-HR SNOWFALL : T DATE : 28				MAXIMUM : 30.15 DATE 16 TIME 0958											
TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.72 DATE 28 TIME 1253											
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 10			
HEATING : 32 10 32 10				THUNDERSTORMS : 3				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 9			
COOLING : 138 -67 1570 151								HEAVY FOG : 5				SNOWFALL >= 1.0 INCH : 0							

SEPTEMBER 2006
 KNOXVILLE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
SEPTEMBER 2006

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					01												01	T	T	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04								0.04	0.01	0.01	T	0.02	04								T	0.32	0.01	04	0.41	0.41		
05	0.01	0.05	0.04	0.01	T	0.06	0.09	T			T	T	05	0.01										05	0.27	0.27		
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												10	0.00	0.00	
11													11			T	T								11	T	T	
12													12		T	T	T						0.02	T	12	0.02	0.02	
13	0.01	0.09	0.06	0.04	0.07	T							13												13	0.27	0.27	
14													14						T						14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18			0.03	0.07	0.27		T				18	0.37	0.37		
19	0.19	0.08	0.17	0.26			T						19												19	0.70	0.70	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22				0.01	T	T	0.01	0.01				0.04	22	0.03	0.06	T					T			22	0.16	0.16		
23			T	T	T		T	T		0.33	0.75	0.38	23	0.06	0.43	0.08	0.05	0.25		T		0.15	0.27	0.17	0.12	23	3.04	3.04
24	0.01	0.01	T					0.01	0.18	0.01			24			T	0.06	T						24	0.28	0.28		
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28			T	0.06									28		0.52	0.05	T	0.01	0.01		T			28	0.65	0.65		
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)	0.27	0.33	0.41	0.49	0.52	0.72	0.83	1.14	1.41	1.44	1.46	1.48
Ending Date	23	23	28	28	28	23	23	23	23	23	23	23
Ending Time (Hr/Min)	1114	1115	1346	1347	1354	1115	1038	1115	1115	1121	1139	1220

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 2006

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:

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							10.00	10.00	
04							2.00	10.00	
05							0.25	10.00	
06							0.25	10.00	
07							4.00	10.00	
08							6.00	10.00	
09							2.50	10.00	
10							0.25	10.00	
11							2.50	10.00	
12							0.25	10.00	
13							2.50	10.00	
14							8.00	10.00	
15							7.00	10.00	
16							6.00	10.00	
17							2.00	10.00	
18							2.00	10.00	
19							2.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							2.50	10.00	
23							2.00	10.00	
24							4.00	10.00	
25							10.00	10.00	
26							0.00	10.00	
27							3.00	10.00	
28							5.00	10.00	
29							8.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							4.73	10.00	
SUNSHINE (Minutes)									
Total :					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy		Missing		
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
5		15			10				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
SEPTEMBER 2006 **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								
																												Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION
SUNRISE: 0604						SEP 01						SUNSET: 1859						SUNRISE: 0609						SEP 07						SUNSET: 1851					
01	OVC	017			10.00	71	68	69	90	9	05	28.85	29.87	01	CLR	NC			10.00	BR	64	59	61	84	5	03	29.00	30.02							
04	OVC	008			10.00	70	66	67	87	8	04	28.85	29.87	04	CLR	NC			5.00	BR	61	59	60	93	0	00	28.99	30.01							
07	OVC	008			10.00	69	66	67	90	7	01	28.89	29.91	07	CLR	NC			4.00	BR	59	58	58	97	3	09	29.03	30.05							
10	OVC	008			10.00	71	67	68	87	5	05	28.91	29.93	10	SCT	110			10.00		71	62	65	73	7	07	29.06	30.08							
13	BKN	032			10.00	77	69	72	76	8	03	28.88	29.89	13	SCT	100			10.00		80	61	68	52	0	00	29.02	30.04							
16	BKN	120			10.00	81	67	72	63	7	VR	28.85	29.86	16	SCT	120			10.00		82	56	66	41	0	00	28.97	29.99							
19	BKN	043			10.00	75	67	70	76	9	04	28.86	29.88	19	FEW	060			10.00		76	61	67	60	0	00	28.96	29.99							
22	BKN	060			10.00	72	67	69	84	6	01	28.90	29.92	22	CLR	NC			10.00		70	62	65	76	5	26	29.00	30.02							
SUNRISE: 0605						SEP 02						SUNRISE: 0610						SEP 08						SUNSET: 1850											
01	FEW	019			10.00	69	67	68	93	7	01	28.89	29.91	01	FEW	120			8.00		66	63	64	90	0	00	29.00	30.02							
04	OVC	017			10.00	69	64	66	84	5	01	28.89	29.91	04	BKN	120			10.00		66	62	64	87	3	14	29.02	30.03							
07	OVC	022			10.00	68	63	65	84	6	03	28.93	29.95	07	BKN	090			6.00	BR	66	62	64	87	0	00	29.06	30.08							
10	SCT	060			10.00	72	64	67	76	5	09	28.94	29.96	10	BKN	090			10.00		72	64	67	76	3	03	29.09	30.11							
13	BKN	046			10.00	77	64	69	64	5	29	28.94		13	FEW	029			10.00		79	63	69	58	3	VR	29.07	30.09							
16	SCT	045			10.00	80	65	70	60	3	VR	28.91	29.93	16	FEW	042			10.00		81	60	68	49	0	00	29.01	30.02							
19	SCT	060			10.00	75	64	68	69	10	36	28.93	29.95	19	FEW	045			10.00		76	63	68	64	3	06	29.00	30.02							
22	OVC	031			10.00	70	62	65	76	5	02	28.99	30.01	22	CLR	NC			10.00		72	64	67	76	0	00	29.02	30.04							
SUNRISE: 0606						SEP 03						SUNRISE: 0610						SEP 09						SUNSET: 1848											
01	CLR	NC			10.00	67	63	65	87	5	36	28.99	30.01	01	CLR	NC			7.00		66	64	65	93	3	08	29.04	30.06							
04	CLR	NC			10.00	63	61	62	93	5	05	28.98	30.00	04	SCT	120			5.00	BR	64	62	63	93	0	00	29.03	30.06							
07	CLR	NC			10.00	64	61	62	90	8	03	29.00	30.03	07	FEW	080			2.50	BR	64	62	63	93	0	00	29.08	30.10							
10	BKN	036			10.00	71	64	67	79	8	04	29.04	30.06	10	FEW	100			6.00	HZ	73	63	67	71	5	08	29.08	30.10							
13	BKN	050			10.00	79	66	70	65	7	08	29.01	30.03	13	FEW	120			6.00	HZ	79	63	69	58	0	00	29.05	30.07							
16	BKN	090			10.00	81	66	71	60	7	01	28.97	29.99	16	FEW	050			10.00		81	63	69	54	0	00	29.00	30.02							
19	OVC	110			10.00	77	67	70	71	8	01	28.97	29.99	19	SCT	050			10.00		75	64	68	69	5	06	29.00	30.02							
22	BKN	120			10.00	71	64	67	79	6	03	29.00	30.02	22	FEW	120			8.00		69	66	67	90	3	06	29.03	30.05							
SUNRISE: 0607						SEP 04						SUNRISE: 0611						SEP 10						SUNSET: 1847											
01	OVC	095			10.00	70	63	66	79	5	36	28.99	30.01	01	FEW	110			8.00		67	64	65	90	0	00	29.05	30.07							
04	OVC	090			10.00	69	64	66	84	5	02	28.97	29.99	04	SCT	110			3.00	BR	65	63	64	93	0	00	29.04	30.06							
07	OVC	090			10.00	69	64	66	84	3	04	29.00	30.02	07	VV	001			0.25	FG	64	63	63	97	0	00	29.06	30.09							
10	OVC	080			2.00	69	66	67	90	5	07	29.02	30.05	10	FEW	100			7.00		74	65	68	74	3	VR	29.09	30.11							
13	OVC	100			4.00	73	69	70	87	6	05	29.00	30.02	13	SCT	100			10.00		81	64	70	56	5	VR	29.05	30.07							
16	BKN	100			10.00	77	69	72	76	7	02	28.95	29.97	16	SCT	100			10.00		80	64	70	58	3	10	29.00	30.02							
19	SCT	100			10.00	74	70	71	87	6	04	28.96	29.98	19	SCT	120			10.00		76	66	69	71	3	05	29.01	30.04							
22	OVC	043			4.00	68	66	67	93	9	06	28.99	30.02	22	CLR	NC			10.00		73	66	68	79	0	00	29.05	30.06							
SUNRISE: 0607						SEP 05						SUNRISE: 0612						SEP 11						SUNSET: 1845											
01	OVC	100			7.00	67	65	66	93	11	10	28.96	29.98	01	BKN	120			8.00		68	65	66	90	3	07	29.06	30.08							
04	OVC	090			8.00	67	66	66	97	3	18	28.97	29.99	04	SCT	120			4.00	BR	65	64	64	97	0	00	29.05	30.07							
07	OVC	090			3.00	68	65	66	90	6	04	28.97	29.99	07	SCT	120			2.50	BR	66	64	65	93	3	35	29.09	30.11							
10	BKN	100			6.00	69	65	66	87	10	05	29.00	30.02	10	CLR	NC			7.00		75	65	69	71	3	VR	29.13	30.14							
13	SCT	100			10.00	70	65	67	84	7	04	28.97	29.99	13	FEW	035			10.00		81	64	70	56	3	VR	29.11	30.13							
16	BKN	120			10.00	72	65	68	79	0	00	28.94	29.96	16	BKN	075			6.00	HZ	78	65	70	64	8	13	29.06	30.08							
19	SCT	120			10.00	71	65	67	81	0	00	28.95	29.98	19	FEW	120			7.00		73	64	67	74	5	06	29.06	30.08							
22	CLR	NC			7.00	66	65	65	97	0	00	29.00	30.03	22	CLR	NC			7.00		69	66	67	90	0	00	29.09	30.11							
SUNRISE: 0608						SEP 06						SUNRISE: 0613						SEP 12						SUNSET: 1844											
01	BKN	001			0.25	63	63	63	100	3	03	28.99	30.01	01	CLR	NC			4.00	BR	65	63	64	93	3	03	29.08	30.10							
04	VV	001			0.25	64	63	63	97	0	00	28.98	30.01	04	SCT	001			1.25	BR	64	63	63	97	3	05	29.07	30.09							
07	VV	001			0.25	64	63	63	97	3	06	29.01	30.03	07	SCT	001			2.50	BR	66	63	64	90	3	02	29.08	30.10							
10	OVC	005			2.50	67	64	65	90	5	05	29.04	30.06	10	FEW	120			7.00		73	63	67	71	3	VR	29.08	30.10							
13	SCT	036			10.00	76	59	65	56	9	04	29.01	30.03	13	SCT	100			7.00		76	62	67	62	13	23	29.05	30.06							
16	FEW	045			10.00	80	56	65	44	6	02	28.98	30.00	16	SCT	095			6.00	-RA	71	64	67	79	9	24	29.02	30.04							
19	SCT	095			10.00	74	59	65	60	5	02	28.98	30.00	19	OVC	120			6.00	HZ	70	61	64	73	0	00	28.97	29.99							
22	FEW	095			9.00	66	61	63	84	3	04	29.01	30.03	22	OVC	055			10.00		69	60	64	73	5	28	28.97	29.98							

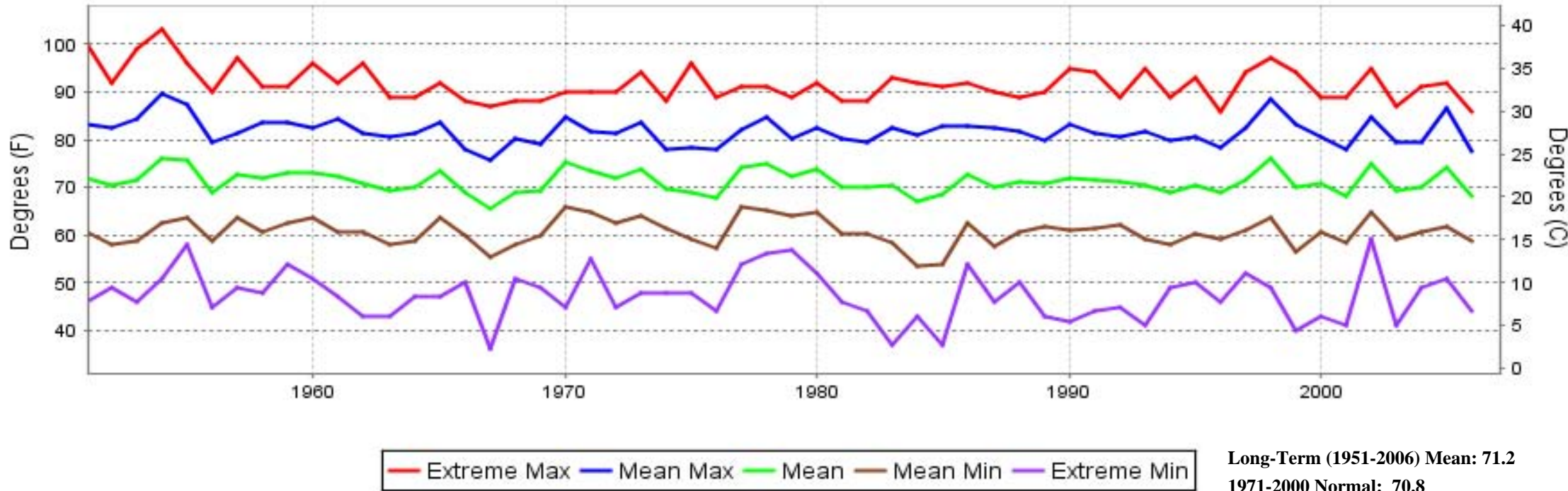
OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
SEPTEMBER 2006 **KTYS**

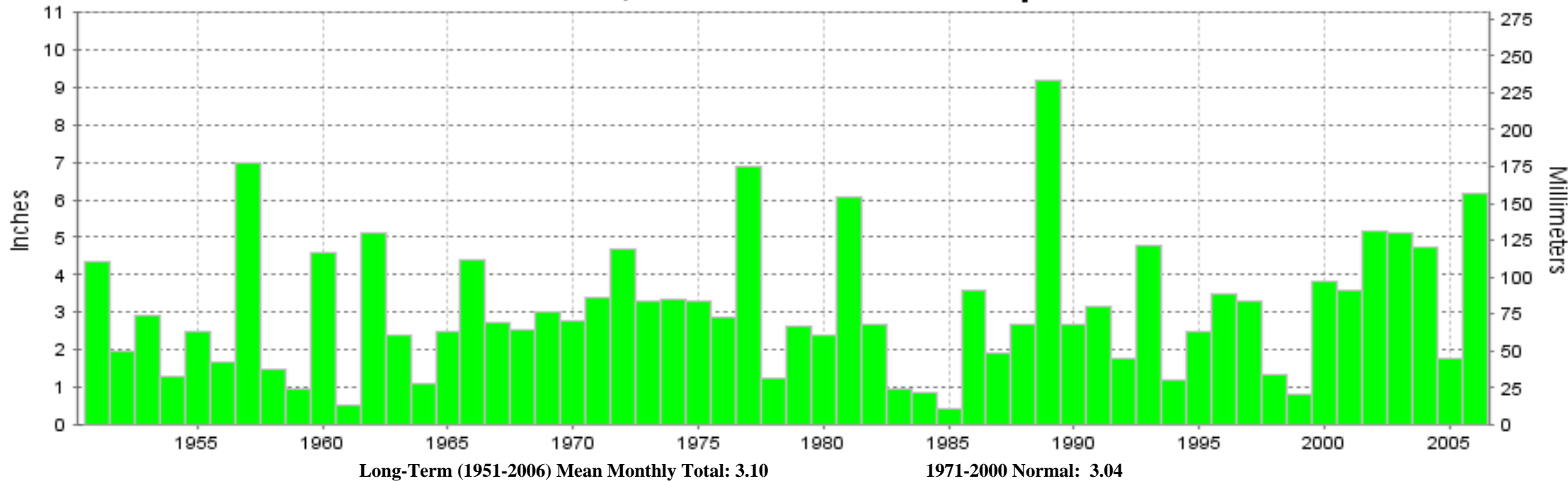
WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		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		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: 0613 SEP 13 SUNSET: 1842						SUNRISE: 0618 SEP 19 SUNSET: 1833																							
01	OVC	045			9.00	-RA	65	63	64	93	6	29	28.95	29.97	01	OVC	038			3.00	-RA BR	69	68	68	97	11	24	28.81	29.81
04	OVC	011			3.00	-RA BR	65	63	64	93	3	06	28.90	29.93	04	OVC	060			10.00		69	68	68	97	9	23	28.81	29.81
07	OVC	038			5.00	BR	64	63	63	97	3	06	28.89	29.92	07	OVC	036			10.00		65	55	59	70	8	34	28.86	29.89
10	OVC	032			10.00		68	64	65	87	3	09	28.88	29.90	10	SCT	050			10.00		68	53	59	59	11	03	28.91	29.93
13	OVC	024			10.00		71	64	67	79	10	23	28.84	29.86	13	SCT	100			10.00		72	51	60	48	5	29	28.89	29.91
16	BKN	055			10.00		74	65	68	74	3	23	28.79	29.81	16	SCT	055			10.00		75	49	60	40	10	27	28.84	29.86
19	OVC	037			10.00		69	67	68	93	0	00	28.81	29.83	19	SCT	070			10.00		69	50	58	51	8	30	28.87	29.90
22	OVC	038			10.00		67	58	62	73	11	02	28.86	29.89	22	CLR	NC			10.00		62	51	56	67	6	35	28.93	29.96
SUNRISE: 0614 SEP 14 SUNSET: 1841						SUNRISE: 0619 SEP 20 SUNSET: 1832																							
01	FEW	055			10.00		63	55	58	75	3	33	28.88	29.90	01	CLR	NC			10.00		60	50	55	70	7	01	28.93	29.96
04	FEW	050			10.00		60	55	57	84	6	35	28.87	29.90	04	SCT	046			10.00		56	49	52	78	3	35	28.94	29.96
07	SCT	041			8.00		57	55	56	93	3	05	28.92	29.95	07	SCT	046			10.00		55	49	52	80	9	01	28.97	30.00
10	SCT	019			10.00		65	55	59	70	5	36	28.95	29.98	10	FEW	030			10.00		61	43	52	52	6	35	29.01	30.04
13	SCT	040			10.00		72	54	61	53	5	07	28.94	29.97	13	FEW	045			10.00		65	42	53	43	5	VR	28.98	30.01
16	BKN	047			10.00		73	53	61	50	8	36	28.93	29.95	16	FEW	050			10.00		67	44	55	44	5	23	28.93	29.96
19	BKN	049			10.00		69	56	61	63	7	35	28.95	29.98	19	FEW	050			10.00		60	45	52	58	8	01	28.96	30.00
22	CLR	NC			10.00		62	57	59	84	3	08	28.98	30.01	22	CLR	NC			10.00		52	43	48	72	8	04	29.01	30.05
SUNRISE: 0615 SEP 15 SUNSET: 1839						SUNRISE: 0620 SEP 21 SUNSET: 1830																							
01	CLR	NC			10.00		61	57	59	87	6	02	28.98	30.01	01	CLR	NC			10.00		50	43	47	77	8	03	29.00	30.04
04	CLR	NC			10.00		58	56	57	93	7	03	28.98	30.01	04	CLR	NC			10.00		46	43	45	89	3	08	29.01	30.05
07	CLR	NC			9.00		58	55	56	90	10	04	29.04	30.06	07	CLR	NC			10.00		47	43	45	86	6	06	29.04	30.08
10	CLR	NC			10.00		69	58	62	68	13	05	29.07	30.10	10	CLR	NC			10.00		57	47	52	69	7	06	29.05	30.09
13	FEW	045			10.00		76	56	64	50	11	02	29.05	30.08	13	CLR	NC			10.00		67	50	57	55	3	VR	29.00	30.03
16	FEW	045			10.00		80	57	66	45	9	03	29.01	30.03	16	FEW	120			10.00		73	52	61	48	6	VR	28.94	29.98
19	CLR	NC			10.00		72	56	62	57	6	07	29.01	30.03	19	CLR	NC			10.00		65	54	59	68	6	06	28.93	29.97
22	CLR	NC			10.00		66	59	62	78	6	02	29.04	30.06	22	CLR	NC			10.00		63	53	57	70	5	22	28.97	30.01
SUNRISE: 0616 SEP 16 SUNSET: 1838						SUNRISE: 0620 SEP 22 SUNSET: 1829																							
01	CLR	NC			9.00		63	58	60	84	6	04	29.04	30.06	01	CLR	NC			10.00		58	55	56	90	5	06	28.97	30.01
04	CLR	NC			9.00		61	57	59	87	6	03	29.05	30.07	04	BKN	110			10.00	-RA	60	56	58	87	5	34	28.96	29.98
07	CLR	NC			6.00	BR	59	56	57	90	3	VR	29.10	30.13	07	OVC	090			8.00	-RA	60	57	58	90	3	01	28.99	30.02
10	CLR	NC			10.00		70	59	63	68	3	VR	29.12	30.15	10	BKN	080			10.00		74	59	65	60	15	20	28.96	29.98
13	FEW	040			10.00		77	60	66	56	7	20	29.07	30.09	13	OVC	050			7.00	-RA	67	63	65	87	9	30	28.99	30.02
16	FEW	045			10.00		80	56	65	44	0	00	29.01	30.03	16	OVC	041			10.00		73	65	68	76	3	11	28.94	29.96
19	CLR	NC			10.00		76	55	63	48	0	00	28.99	30.02	19	OVC	075			7.00		70	67	68	90	5	01	28.93	29.96
22	CLR	NC			10.00		68	59	63	73	0	00	29.03	30.05	22	BKN	060			10.00		73	64	67	74	6	19	28.92	29.94
SUNRISE: 0616 SEP 17 SUNSET: 1836						SUNRISE: 0621 SEP 23 SUNSET: 1828																							
01	CLR	NC			10.00		63	58	60	84	0	00	29.00	30.02	01	OVC	055			10.00		74	64	68	71	6	20	28.91	29.93
04	CLR	NC			7.00		57	56	56	96	3	07	28.98	30.00	04	OVC	075			10.00		75	66	69	74	14	22	28.92	29.93
07	SCT	100			2.00	BR	57	56	56	96	0	00	29.04	30.07	07	OVC	085			10.00		75	67	70	76	13	21	28.93	29.95
10	SCT	060			10.00		72	60	65	66	0	00	29.05	30.08	10	OVC	034			2.00	RA BR	66	65	65	97	6	03	29.01	30.03
13	BKN	055			10.00		79	58	66	49	10	24	28.99	30.01	13	OVC	033			6.00	TSRA BR	68	66	67	93	14	30	29.00	30.02
16	CLR	NC			10.00		81	57	66	44	3	VR	28.91	29.93	16	OVC	100			10.00		68	66	67	93	8	02	28.92	29.94
19	CLR	NC			10.00		76	59	65	56	3	34	28.89	29.91	19	OVC	090			10.00		69	68	68	97	5	33	28.89	29.91
22	CLR	NC			8.00		68	61	64	78	0	00	28.90	29.92	22	OVC	090			10.00	-TSRA	67	65	66	93	8	14	28.94	29.96
SUNRISE: 0617 SEP 18 SUNSET: 1835						SUNRISE: 0622 SEP 24 SUNSET: 1826																							
01	CLR	NC			6.00	BR	63	60	61	90	3	08	28.90	29.92	01	OVC	120			10.00		68	65	66	90	7	19	28.92	29.94
04	CLR	NC			5.00	BR	62	60	61	93	5	34	28.88	29.90	04	BKN	100			10.00		67	64	65	90	10	28	28.87	29.89
07	CLR	NC			3.00	BR	62	59	60	90	6	02	28.89	29.91	07	OVC	100			10.00		66	64	65	93	8	23	28.88	29.91
10	CLR	NC			3.00	HZ	74	62	66	66	3	VR	28.89	29.91	10	OVC	044			10.00		70	67	68	90	13	21	28.90	29.92
13	SCT	047			10.00		85	66	72	53	13	22	28.82	29.84	13	OVC	034			10.00		73	68	70	84	11	21	28.85	29.87
16	BKN	100			10.00		82	66	71	58	14	22	28.77	29.78	16	OVC	023			10.00		69	66	67	90	9	31	28.84	29.85
19	OVC	036			10.00	-RA	72	70	71	93	11	20	28.81	29.83	19	SCT	040			10.00		64	61	62	90	7	23	28.89	29.92
22	CLR	NC			10.00		70	68	69	93	8	28	28.82	29.83	22	SCT	045			10.00		62	59	60	90	0	00	28.94	29.97

KNOXVILLE, TN SEPTEMBER Temperatures



KNOXVILLE, TN SEPTEMBER Precipitation





SEPTEMBER 2006
KNOXVILLE, TN

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