



NOVEMBER 2000

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

KNOXVILLE, TN

MC GHEE TYSON AIRPORT (TYS)
 Lat: 35° 49' N Long: 83° 59' W Elev (Ground): 992 Feet
 Time Zone: EASTERN WBAN: 13891 ISSN #: 0198-4810

NOVEMBER 2000
KNOXVILLE, TN

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE				
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM									
																			5-SEC		2-MIN							
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
01	77	44	61	8	41	50	4	0				0.00	29.08	30.13	1.3	05	1.8	12	03	10	04	01						
02	79*	48	64	11	52	56	1	0	BR HZ			0.00	29.08	30.13	0.2	17	1.2	8	21	8	23	02						
03	76	52	64	12	56	59	1	0	BR HZ FU			0.00	29.09	30.14	0.5	24	1.2	8	30	6	02	03						
04	65	53	59	7	55	57	6	0	RA BR HZ FU			0.03	29.00	30.04	4.8	01	5.4	13	01	10	36	04						
05	65	43	54	2	40	47	11	0	BR FU			0.00	28.94	30.00	5.8	04	6.3	18	05	16	04	05						
06	65	39	52	0	42	48	13	0	RA			T	28.88	29.93	2.5	04	4.2	15	23	12	23	06						
07	67	54	61	10	58	59	4	0	RA DZ BR			0.15	28.91	29.95	2.6	02	3.6	14	35	12	35	07						
08	77	60	69*	18	63	65	0	4	TSRA RA BR			1.22	28.89	29.92	3.1	24	5.9	25	23	21	23	08						
09	73	50	62	11	59	61	3	0	RA BR SQ			1.80	28.65	29.68	7.0	24	11.8	61*	24	49*	25	09						
10	50	40	45	-5	38	42	20	0	DZ			T	28.97	30.03	4.9	31	8.0	24	26	20	26	10						
11	55	39	47	-3	34	40	18	0				0.00	29.06	30.13	12.5	05	12.9	26	06	24	05	11						
12	61	34	48	-2	39	43	17	0				0.00	28.97	30.03	0.4	01	1.9	13	24	10	24	12						
13	57	41	49	0	46	47	16	0	RA BR			0.02	28.91	29.97	3.3	26	4.8	18	25	15	25	13						
14	50	33	42	-7	30	38	23	0				0.00	29.01	30.07	7.8	27	8.1	20	27	16	27	14						
15	48	29	39	-10	27	34	26	0	BR			0.00	29.07	30.14	0.7	35	1.8	12	27	9	29	15						
16	46	31	39	-10	37	39	26	0	RA PL BR HZ			0.68	28.94	30.00	3.3	25	5.0	24	25	21	25	16						
17	46	31	39	-9	33	37	26	0	RA BR			0.11	29.00	30.06	6.9	28	7.9	20	27	17	27	17						
18	34	29	32	-16	24	29	33	0	HZ			0.00	29.17	30.25	1.9	04	3.5	13	03	10	03	18						
19	41	34	38	-10	32	34	27	0	BR HZ			0.00	29.08	30.16	3.6	22	5.7	21	22	18	23	19						
20	47	32	40	-7	24	33	25	0	BR			0.00	29.11	30.19	12.9	25	13.9	38	24	30	25	20						
21	36	23	30*	-17	11	24	35	0				0.00	29.27	30.36	8.4	27	8.8	24	28	21	28	21						
22	47	20*	34	-13	18	28	31	0				0.00	29.25	30.34	4.4	23	5.2	21	22	17	23	22						
23	54	29	42	-4	32	37	23	0	BR HZ			0.00	29.17	30.24	0.5	25	2.4	15	24	13	24	23						
24	52	38	45	-1	40	43	20	0	RA BR			0.26	29.07	30.14	5.1	05	5.3	16	04	15	04	24						
25	62	45	54	8	48	50	11	0	RA BR			0.08	28.79	29.84	3.7	30	9.3	24	25	20	24	25						
26	48	40	44	-2	42	44	21	0	RA DZ BR HZ			T	28.86	29.91	12.0	23	12.3	25	25	22	24	26						
27	53	36	45	0	34	39	20	0	BR			0.00	28.93	30.00	9.4	24	9.7	25	23	23	23	27						
28	57	34	46	1	31	39	19	0				0.00	29.07	30.13	4.6	23	5.4	14	20	12	21	28						
29	60	40	50	5	34	42	15	0	RA			T	29.05	30.11	6.3	26	8.7	31	22	23	29	29						
30	46	29	38	-6	24	32	27	0				0.00	29.19	30.27	2.5	01	4.6	17	03	14	03	30						
< MONTHLY AVERAGES										TOTALS-->			4.35	29.02	30.08	2.3	27	6.2	<- MONTHLY AVERAGES									
-3.4										0.8		-1.3		<----- DEPARTURE FROM NORMAL ----->										0.60	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.82				DATE: 08-09		SEA LEVEL PRESSURE				DATE		TIME						
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL:				DATE:		MAXIMUM		: 30.44		22 0353								
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH:				DATE:		MINIMUM		: 29.44		09 1553								
HEATING:		522		33		705		-40		NUMBER OF DAYS WITH		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 9		PRECIPITATION ≥ 0.01 INCH: 9												
COOLING:		4		4		1492		226		MAXIMUM TEMP ≤ 32: 0		MINIMUM TEMP ≤ 0: 0		PRECIPITATION ≥ 0.10 INCH: 6														
										THUNDERSTORMS: 1		HEAVY FOG: 0		SNOWFALL ≥ 1.0 INCH: :														

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN

NOVEMBER 2000 TYS WBAN # 13891

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04			T	0.01	T	0.02	T			T	T	04		0.03		
05													05												05		0.00		
06													06												06		T		
07													07												07		0.15		
08	T	0.22	0.14	T	0.03	0.01		T	0.01	0.03	0.01		08												08		1.22		
09	0.07	0.03	0.08	0.22	0.32	0.17	0.11	0.02	0.01	0.03	0.01		09	0.11	0.02										09		1.80		
10					T	T	T	0.26	0.21	0.08	0.27	0.26	10												10		T		
11													11												11		0.00		
12												0.01	12												12		0.00		
13												0.01	13	T											13		0.00		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.68		
17	0.03	0.04	0.03	0.01					T	T	T	T	17	T	0.02	0.03	0.05	0.07	0.13	0.12	0.09	0.09	0.04	0.02	0.02	17		0.11	
18													18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.26		
25	0.01	0.02	T		0.01		T		T				25												25		0.08		
26													26												26		T		
27													27												27		0.00		
28													28												28		0.00		
29		T	T		T								29												29		T		
30													30												30		0.00		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.09	.13	.14	.17	.22	.28	.34	.42	.48	.55	.66	.75
Ending Date	09	09	09	08	08	08	09	09	09	08	08	08
Ending Time (Hour/Min)	1014	1017	1017	0432	0442	0459	1017	1017	1039	0451	0521	0543

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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.

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

NOVEMBER 2000

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB
SUNRISE: 0659					NOV 01	SUNSET: 1740					SUNRISE: 0705					NOV 07	SUNSET: 1735								
01	CLR	NC	10.00		50	38	44	63	0	00	29.10	30.14	01	OVC	055	10.00		60	50	55	70	6	34	28.84	29.88
04	CLR	NC	10.00		48	36	43	63	0	00	29.10	30.14	04	OVC	042	9.00	-RA	56	53	54	90	9	36	28.83	29.88
07	BKN	110	10.00		46	41	44	83	5	06	29.11	30.17	07	OVC	035	6.00	BR	54	54	54	100	5	04	28.88	29.92
10	FEW	NC	10.00		59	33	47	38	9	05	29.13	30.19	10	OVC	035	2.00	BR	56	56	56	100	3	01	28.93	29.98
13	CLR	NC	10.00		73	34	53	24	0	00	29.09	30.13	13	OVC	006	3.00	BR	63	61	62	93	6	30	28.92	29.96
16	CLR	NC	8.00		75	46	59	36	3	27	29.04	30.09	16	BKN	042	7.00		67	62	64	84	3	VR	28.90	29.94
19	FEW	NC	9.00		68	47	56	47	0	00	29.04	30.09	19	OVC	050	4.00	BR	63	62	62	97	0	00	28.96	30.00
22	FEW	NC	9.00		59	49	54	69	0	00	29.06	30.11	22	OVC	080	3.00	BR	61	61	61	100	5	06	28.95	30.00
SUNRISE: 0660					NOV 02	SUNSET: 1739					SUNRISE: 0706					NOV 08	SUNSET: 1734								
01	CLR	NC	7.00		54	48	51	80	0	00	29.07	30.11	01	OVC	055	3.00	-RA BR	61	61	61	100	5	22	28.96	30.00
04	CLR	NC	6.00	BR	51	48	50	89	0	00	29.07	30.12	04	OVC	017	1.00	TSRA BR	61	61	61	100	5	32	28.93	29.97
07	CLR	NC	6.00	BR	50	47	48	89	0	00	29.10	30.14	07	OVC	015	2.00	-RA BR	62	62	62	100	7	09	28.93	29.97
10	CLR	NC	5.00	HZ	60	49	54	67	0	00	29.12	30.18	10	BKN	100	7.00		65	65	65	100	3	33	28.94	29.98
13	CLR	NC	5.00	HZ	74	52	61	46	0	00	29.09	30.13	13	SCT	NC	10.00		75	65	69	71	12	24	28.89	29.92
16	CLR	NC	7.00		77	56	64	48	7	23	29.06	30.10	16	SCT	NC	10.00		75	64	68	69	10	25	28.84	29.87
19	CLR	NC	8.00		69	56	61	63	3	07	29.07	30.12	19	BKN	080	10.00		70	63	66	79	5	25	28.84	29.87
22	CLR	NC	6.00	HZ	63	56	59	78	0	00	29.08	30.12	22	BKN	100	10.00		67	63	64	87	0	00	28.79	29.83
SUNRISE: 0701					NOV 03	SUNSET: 1738					SUNRISE: 0707					NOV 09	SUNSET: 1733								
01	CLR	NC	4.00	BR	58	54	56	87	0	00	29.08	30.12	01	OVC	048	7.00	-RA	66	64	65	93	3	28	28.77	29.80
04	FEW	NC	3.00	BR	53	53	53	100	0	00	29.09	30.14	04	OVC	041	2.00	-RA BR	63	63	63	100	7	07	28.73	29.75
07	CLR	NC	3.00	BR	53	52	52	96	0	00	29.13	30.18	07	OVC	021	2.50	+RA BR	63	63	63	100	9	29	28.73	29.76
10	FEW	NC	3.00	HZ	62	56	59	81	5	10	29.14	30.19	10	OVC	017	2.00	RA BR	63	63	63	100	5	VR	28.71	29.74
13	SCT	NC	3.00	HZ	73	57	63	57	0	00	29.11	30.15	13	BKN	025	7.00	-RA	63	63	63	100	10	12	28.54	29.56
16	SCT	NC	3.00	FU	75	57	64	54	5	27	29.07	30.11	16	SCT	NC	10.00		71	66	68	84	15	21	28.44	29.47
19	SCT	NC	4.00	FU	68	58	62	70	3	23	29.07	30.11	19	SCT	NC	10.00		60	55	57	84	18	26	28.59	29.62
22	FEW	NC	4.00	FU	64	58	60	81	0	00	29.07	30.11	22	OVC	046	10.00		54	45	49	72	16	26	28.69	29.72
SUNRISE: 0702					NOV 04	SUNSET: 1737					SUNRISE: 0708					NOV 10	SUNSET: 1732								
01	BKN	044	4.00	FU	62	56	59	81	5	01	29.06	30.09	01	OVC	034	10.00		49	42	46	77	14	26	28.78	29.82
04	BKN	050	3.00	FU	60	56	58	86	3	08	29.02	30.06	04	OVC	026	10.00		46	40	43	79	10	27	28.84	29.89
07	OVC	036	3.00	BR FU	60	56	58	86	5	04	29.04	30.08	07	OVC	021	10.00		44	38	41	79	5	26	28.92	29.97
10	FEW	NC	1.50	HZ FU	62	57	59	84	7	02	29.04	30.08	10	OVC	025	10.00		45	39	42	80	6	33	29.00	30.06
13	SCT	NC	1.50	HZ FU	64	56	59	75	7	02	28.98	30.02	13	OVC	021	10.00		47	40	44	77	3	26	29.00	30.06
16	BKN	075	1.50	-RA BR FU	60	57	58	90	6	36	28.96	30.00	16	OVC	024	10.00		48	39	44	71	5	36	29.01	30.06
19	SCT	NC	1.50	BR FU	55	52	53	90	5	36	28.97	30.01	19	SCT	NC	10.00		44	36	40	73	6	36	29.05	30.11
22	OVC	045	4.00	-RA BR FU	53	50	51	89	8	36	28.97	30.01	22	SCT	NC	10.00		41	34	38	76	12	02	29.10	30.16
SUNRISE: 0703					NOV 05	SUNSET: 1736					SUNRISE: 0709					NOV 11	SUNSET: 1731								
01	OVC	045	5.00	BR FU	53	49	51	86	8	02	28.97	30.01	01	OVC	029	10.00		39	31	36	73	17	03	29.09	30.16
04	CLR	NC	10.00		48	46	47	93	0	00	28.95	30.00	04	OVC	029	10.00		39	31	36	73	15	03	29.11	30.18
07	FEW	NC	10.00		44	42	43	93	7	05	28.97	30.03	07	OVC	031	10.00		39	31	36	73	10	05	29.15	30.22
10	CLR	NC	10.00		54	44	49	69	12	05	29.00	30.06	10	CLR	NC	10.00		44	33	39	65	21	07	29.13	30.21
13	FEW	NC	10.00		62	37	50	40	7	VR	28.95	29.99	13	CLR	NC	10.00		52	36	45	55	15	05	29.06	30.12
16	CLR	NC	10.00		65	34	50	32	8	06	28.91	29.96	16	CLR	NC	10.00		55	36	46	49	16	05	29.01	30.06
19	CLR	NC	10.00		56	34	46	44	7	05	28.90	29.95	19	CLR	NC	10.00		49	37	43	64	10	05	28.99	30.05
22	CLR	NC	10.00		50	35	43	57	0	00	28.91	29.96	22	CLR	NC	10.00		45	37	41	74	8	04	28.98	30.04
SUNRISE: 0704					NOV 06	SUNSET: 1736					SUNRISE: 0710					NOV 12	SUNSET: 1731								
01	CLR	NC	10.00		44	38	41	79	0	00	28.91	29.96	01	CLR	NC	10.00		42	36	39	79	7	02	28.96	30.02
04	CLR	NC	10.00		43	37	40	80	3	04	28.90	29.95	04	CLR	NC	10.00		35	34	35	96	5	07	28.97	30.03
07	FEW	NC	10.00		40	37	39	89	3	02	28.91	29.96	07	CLR	NC	9.00		35	34	35	96	0	00	29.00	30.07
10	BKN	060	10.00		51	38	45	61	6	03	28.91	29.96	10	FEW	NC	10.00		44	38	41	79	0	00	29.04	30.10
13	BKN	100	10.00		61	43	52	52	3	VR	28.86	29.91	13	SCT	NC	10.00		54	40	47	59	0	00	28.99	30.05
16	BKN	100	10.00		62	44	53	52	8	06	28.84	29.89	16	SCT	NC	10.00		60	42	51	52	6	31	28.93	29.99
19	OVC	065	10.00		62	47	54	58	6	11	28.84	29.89	19	CLR	NC	10.00		54	42	48	64	0	00	28.92	29.98
22	BKN	070	10.00		59	50	54	72	3	06	28.84	29.89	22	CLR	NC	10.00		48	43	46	83	3	14	28.92	29.98

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

NOVEMBER 2000

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0711					NOV 13					SUNSET: 1730					SUNRISE: 0717					NOV 19					SUNSET: 1726				
01	CLR	NC	8.00		44	42	43	93	0	00	28.91	29.97	01	SCT	NC	4.00	HZ	34	28	32	79	5	31	29.12	30.21				
04	CLR	NC	9.00		43	42	43	97	5	08	28.89	29.94	04	OVC	090	4.00	BR	34	30	32	85	3	06	29.11	30.19				
07	BKN	100	9.00		43	42	43	97	3	05	28.91	29.97	07	OVC	065	6.00	BR	34	30	32	85	3	01	29.11	30.19				
10	SCT	NC	10.00		49	44	47	83	0	00	28.97	30.03	10	OVC	050	3.00	BR	35	30	33	82	0	00	29.13	30.21				
13	BKN	100	7.00		51	48	50	89	6	29	28.87	29.93	13	OVC	039	6.00	BR HZ	37	31	35	79	0	00	29.08	30.16				
16	OVC	050	10.00		55	47	51	74	14	26	28.88	29.94	16	BKN	012	8.00		38	35	37	89	6	23	29.03	30.10				
19	OVC	038	8.00		51	50	51	96	7	28	28.90	29.96	19	OVC	006	6.00	BR	36	35	36	97	12	20	29.05	30.12				
22	OVC	024	10.00		50	49	49	96	6	24	28.94	30.00	22	OVC	006	8.00		36	34	35	93	10	23	29.09	30.16				
SUNRISE: 0712					NOV 14					SUNSET: 1729					SUNRISE: 0718					NOV 20					SUNSET: 1726				
01	OVC	055	10.00		48	45	47	89	7	27	28.95	30.00	01	OVC	010	6.00	BR	36	33	35	89	16	23	29.10	30.17				
04	SCT	NC	10.00		42	39	41	89	8	25	28.96	30.02	04	OVC	011	5.00	BR	35	33	34	93	13	21	29.07	30.14				
07	FEW	NC	10.00		38	33	36	83	5	24	28.99	30.05	07	CLR	NC	5.00	BR	34	32	33	92	13	25	29.08	30.15				
10	FEW	NC	10.00		42	31	37	65	10	27	29.03	30.09	10	FEW	NC	9.00		42	31	37	65	22	24	29.10	30.17				
13	FEW	NC	10.00		47	27	39	46	9	25	29.01	30.06	13	SCT	NC	10.00		46	25	38	44	20	27	29.08	30.15				
16	FEW	NC	10.00		47	25	38	42	9	26	28.99	30.05	16	FEW	NC	10.00		43	15	33	32	17	28	29.11	30.18				
19	CLR	NC	10.00		42	24	35	49	7	29	29.03	30.10	19	CLR	NC	10.00		37	15	30	41	9	27	29.14	30.23				
22	CLR	NC	10.00		39	24	33	55	8	30	29.06	30.13	22	BKN	065	10.00		34	17	28	50	8	28	29.19	30.27				
SUNRISE: 0713					NOV 15					SUNSET: 1729					SUNRISE: 0719					NOV 21					SUNSET: 1725				
01	CLR	NC	10.00		33	26	30	75	0	00	29.07	30.14	01	FEW	NC	10.00		28	15	24	58	7	24	29.19	30.28				
04	BKN	038	8.00	BR	30	26	29	85	0	00	29.09	30.16	04	BKN	065	10.00		26	14	22	60	7	24	29.20	30.28				
07	SCT	NC	4.00		30	27	29	88	0	00	29.11	30.20	07	FEW	NC	10.00		26	14	22	60	12	25	29.24	30.33				
10	FEW	NC	10.00		39	26	34	60	6	02	29.13	30.21	10	SCT	NC	10.00		28	12	23	51	17	29	29.32	30.41				
13	CLR	NC	10.00		44	23	36	43	0	00	29.07	30.14	13	FEW	NC	10.00		33	12	26	42	9	27	29.29	30.38				
16	CLR	NC	10.00		47	26	38	44	6	29	29.05	30.12	16	CLR	NC	10.00		36	8	27	31	12	28	29.28	30.37				
19	SCT	NC	10.00		42	28	36	58	0	00	29.03	30.10	19	CLR	NC	10.00		30	8	24	39	8	28	29.30	30.40				
22	FEW	NC	9.00		37	27	33	67	0	00	29.02	30.09	22	CLR	NC	10.00		25	11	21	55	6	21	29.33	30.42				
SUNRISE: 0714					NOV 16					SUNSET: 1728					SUNRISE: 0719					NOV 22					SUNSET: 1725				
01	SCT	NC	7.00		31	28	30	89	3	08	29.00	30.07	01	CLR	NC	10.00		24	10	20	55	3	23	29.33	30.43				
04	SCT	NC	6.00	HZ	34	28	32	79	0	00	29.01	30.08	04	CLR	NC	10.00		21	12	18	68	5	24	29.34	30.43				
07	SCT	NC	6.00	BR	34	31	33	89	5	04	29.00	30.07	07	CLR	NC	10.00		21	13	19	71	6	19	29.31	30.41				
10	SCT	NC	7.00	-RA	40	34	37	79	3	26	28.97	30.03	10	OVC	060	10.00		29	15	25	56	3	VR	29.32	30.42				
13	OVC	038	5.00	-RA	45	40	43	83	16	23	28.94	30.01	13	FEW	NC	10.00		42	18	33	38	15	24	29.22	30.31				
16	OVC	028	2.50	-RA BR	44	43	44	96	6	24	28.88	29.94	16	FEW	NC	10.00		46	24	37	42	12	22	29.16	30.24				
19	OVC	008	1.50	-RA BR	44	44	44	100	5	29	28.88	29.95	19	CLR	NC	10.00		40	24	34	53	7	26	29.18	30.27				
22	OVC	003	1.50	-RA BR	44	44	44	100	5	25	28.89	29.95	22	CLR	NC	8.00		34	26	31	73	3	07	29.18	30.27				
SUNRISE: 0715					NOV 17					SUNSET: 1727					SUNRISE: 0720					NOV 23					SUNSET: 1725				
01	OVC	002	1.25	-RA BR	44	44	44	100	3	21	28.85	29.91	01	CLR	NC	9.00		31	26	29	82	0	00	29.18	30.26				
04	OVC	018	5.00	BR	45	45	45	100	6	27	28.87	29.93	04	FEW	NC	6.00	HZ	31	26	29	82	0	00	29.18	30.26				
07	BKN	031	6.00	BR	43	42	43	97	6	26	28.90	29.96	07	BKN	047	5.00	BR	32	28	31	85	3	36	29.19	30.27				
10	SCT	NC	7.00		44	38	41	79	15	29	28.97	30.03	10	OVC	045	3.00	BR	35	31	33	85	0	00	29.23	30.32				
13	SCT	NC	10.00		44	34	40	68	15	29	28.98	30.04	13	CLR	NC	6.00	HZ	46	34	41	63	5	VR	29.18	30.25				
16	BKN	120	10.00		39	24	33	55	12	28	29.03	30.09	16	CLR	NC	10.00		53	37	46	55	7	23	29.11	30.19				
19	SCT	NC	10.00		34	24	30	67	7	31	29.11	30.17	19	OVC	055	8.00		47	37	42	69	0	00	29.12	30.20				
22	OVC	037	10.00		32	22	28	66	5	32	29.16	30.24	22	BKN	055	7.00		46	38	42	73	0	00	29.13	30.21				
SUNRISE: 0716					NOV 18					SUNSET: 1727					SUNRISE: 0721					NOV 24					SUNSET: 1724				
01	OVC	033	10.00		31	21	28	67	3	34	29.18	30.27	01	BKN	110	5.00	BR	41	38	40	89	0	00	29.13	30.20				
04	OVC	031	7.00		30	22	27	72	7	05	29.19	30.27	04	FEW	NC	5.00	BR	40	37	39	89	0	00	29.13	30.20				
07	CLR	NC	7.00		29	21	26	72	6	06	29.21	30.29	07	SCT	NC	6.00	BR	39	37	38	93	0	00	29.15	30.22				
10	CLR	NC	10.00		31	21	28	67	5	05	29.22	30.31	10	OVC	055	5.00	BR	43	39	41	86	3	04	29.19	30.27				
13	CLR	NC	10.00		33	23	29	67	0	00	29.18	30.27	13	BKN	110	10.00		50	38	44	63	13	05	29.08	30.14				
16	FEW	NC	7.00		34	24	30	67	0	00	29.11	30.19	16	BKN	120	10.00		51	38	45	61	10	06	29.03	30.09				
19	SCT	NC	6.00	HZ	34	26	31	73	5	27	29.16	30.25	19	OVC	070	5.00	-RA BR	47	43	45	86	6	04	28.98	30.05				
22	BKN	080	5.00	HZ	34	27	31	76	0	00	29.13	30.22	22	OVC	055	3.00	-RA BR	46	44	45	93	13	05	28.95	30.01				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

NOVEMBER 2000

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB
				SUNRISE: 0722		NOV 25		SUNSET: 1724															
01	OVC	090		3.00	-RA BR	46	45	46	96	8	36	28.93	29.98										
04	OVC	100		5.00	BR	46	44	45	93	7	01	28.84	29.89										
07	OVC	070		9.00		48	45	47	89	7	01	28.80	29.86										
10	OVC	048		10.00		53	48	50	83	8	04	28.80	29.85										
13	OVC	041		10.00		57	50	53	78	10	29	28.76	29.80										
16	OVC	065		10.00		58	51	54	78	8	28	28.73	29.77										
19	OVC	055		10.00		53	50	51	89	9	28	28.77	29.81										
22	OVC	042		7.00		51	49	50	92	14	24	28.80	29.85										
				SUNRISE: 0723		NOV 26		SUNSET: 1724															
01	OVC	041		8.00		48	46	47	93	13	23	28.82	29.87										
04	OVC	037		10.00		46	44	45	93	16	22	28.82	29.87										
07	OVC	028		10.00		46	42	44	86	15	22	28.84	29.89										
10	OVC	032		9.00		47	43	45	86	15	22	28.85	29.91										
13	OVC	018		6.00	BR	47	43	45	86	14	23	28.83	29.89										
16	OVC	025		6.00	HZ	46	41	44	83	13	25	28.86	29.92										
19	FEW	NC		6.00	BR	42	39	41	89	7	23	28.90	29.96										
22	OVC	110		9.00		43	40	42	89	9	22	28.90	29.96										
				SUNRISE: 0724		NOV 27		SUNSET: 1723															
01	CLR	NC		8.00		40	37	39	89	7	27	28.91	29.97										
04	CLR	NC		7.00		39	37	38	93	6	23	28.91	29.98										
07	CLR	NC		7.00		37	35	36	93	8	25	28.91	29.98										
10	CLR	NC		8.00		45	39	42	80	15	23	28.95	30.01										
13	BKN	100		9.00		51	38	45	61	17	24	28.89	29.95										
16	SCT	NC		10.00		52	33	43	49	17	25	28.90											
19	CLR	NC		10.00		44	30	38	58	8	25	28.95	30.02										
22	CLR	NC		10.00		40	30	36	68	5	21	28.99	30.06										
				SUNRISE: 0725		NOV 28		SUNSET: 1723															
01	CLR	NC		10.00		41	34	38	76	9	22	29.00	30.06										
04	CLR	NC		10.00		38	31	35	76	8	26	29.02	30.09										
07	CLR	NC		10.00		35	30	33	82	6	24	29.06	30.13										
10	BKN	120		10.00		47	35	42	63	8	23	29.11	30.17										
13	FEW	NC		10.00		53	31	43	43	9	19	29.08	30.14										
16	CLR	NC		10.00		56	29	44	36	8	24	29.07	30.14										
19	CLR	NC		10.00		49	29	40	46	0	00	29.08	30.15										
22	FEW	NC		10.00		44	31	39	60	0	00	29.08	30.14										
				SUNRISE: 0726		NOV 29		SUNSET: 1723															
01	OVC	050		9.00		42	37	40	82	3	06	29.09	30.14										
04	OVC	050		8.00		42	38	40	85	0	00	29.07	30.13										
07	BKN	065		10.00		42	38	40	85	5	07	29.05	30.11										
10	OVC	031		10.00		48	40	44	74	5	29	29.05	30.11										
13	SCT	NC		9.00		58	45	51	62	16	23	29.01	30.06										
16	BKN	050		9.00		57	42	50	58	14	27	28.97	30.02										
19	CLR	NC		10.00		49	20	38	32	14	28	29.03	30.09										
22	CLR	NC		10.00		45	20	36	37	10	27	29.10	30.16										
				SUNRISE: 0727		NOV 30		SUNSET: 1723															
01	CLR	NC		10.00		38	24	33	57	10	26	29.12	30.19										
04	FEW	NC		10.00		33	25	30	72	7	27	29.16	30.23										
07	FEW	NC		10.00		30	23	28	75	0	00	29.20	30.28										
10	BKN	037		10.00		37	25	32	62	9	04	29.25	30.33										
13	CLR	NC		10.00		43	23	35	45	6	07	29.19	30.27										
16	CLR	NC		10.00		45	23	36	42	6	02	29.16	30.24										
19	CLR	NC		9.00		39	24	33	55	0	00	29.19	30.27										
22	CLR	NC		9.00		31	25	29	79	5	03	29.18	30.27										

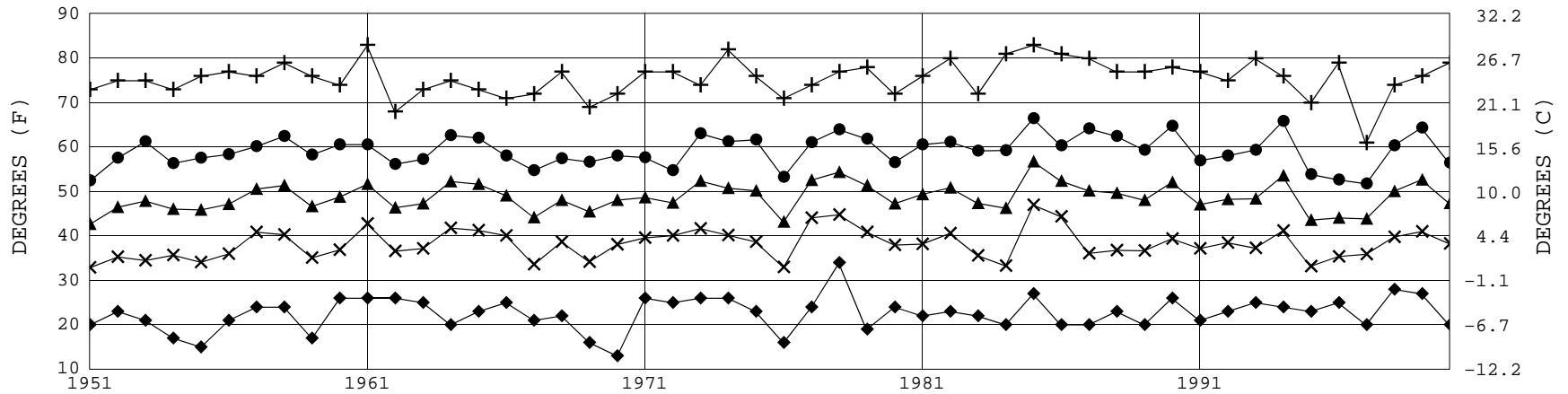
3-HOURLY OBSERVATION NOTES

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, VV = 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			44	38	42	81	29.02	30.07	7.61	5	2	28
02			43	38	41	83	29.01	30.07	7.22	5	1	29
03			43	38	41	83	29.02	30.07	7.03	5	2	28
04			42	38	40	85	29.01	30.07	7.30	5	1	29
05			42	38	40	86	29.02	30.08	7.31	5	1	29
06			41	37	40	86	29.02	30.08	7.40	5	1	32
07			41	37	40	87	29.03	30.09	7.38	5	1	31
08			41	37	40	86	29.04	30.11	7.25	5	1	30
09			44	38	42	81	29.05	30.12	7.18	5	1	31
10			47	38	43	74	29.06	30.12	7.72	7	2	32
11			49	39	44	68	29.05	30.11	8.04	8	1	25
12			51	39	45	64	29.03	30.09	8.10	7	3	24
13			53	39	46	62	29.01	30.07	8.25	8	4	26
14			54	39	47	59	28.99	30.05	8.62	8	4	25
15			55	39	48	57	28.98	30.04	8.90	8	5	27
16			55	39	47	58	28.98	30.04	8.63	9	5	27
17			53	38	46	60	28.98	30.04	8.03	8	5	26
18			51	38	45	65	28.99	30.05	8.47	6	3	27
19			49	38	44	68	29.00	30.06	8.20	6	3	28
20			48	38	44	70	29.01	30.07	7.87	5	3	29
21			47	38	43	73	29.01	30.08	7.83	5	2	28
22			46	38	42	75	29.02	30.08	8.08	5	2	28
23			45	37	42	75	29.02	30.07	7.98	5	3	28
24			44	38	41	79	29.02	30.08	7.81	5	2	29

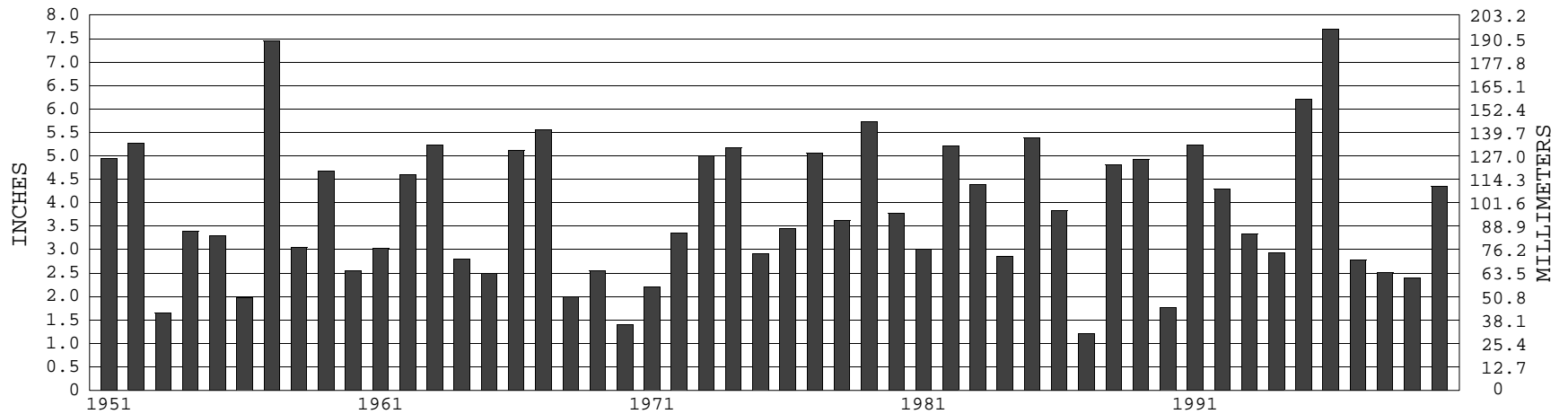
KNOXVILLE, TN NOVEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2000) Mean: 48.8 1961-1990 Normal: 48.7

KNOXVILLE, TN NOVEMBER PRECIPITATION



Long-Term (1951-2000) Mean Monthly Total: 3.85

1961-1990 Normal: 3.75



**NOVEMBER 2000
KNOXVILLE, TN**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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