



OCTOBER 1999

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): 979 Feet
 Time Zone: EASTERN WBAN: 13891 ISSN #:0198-4810

OCTOBER 1999
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															
										DEPTH	WATER EQUIV	SNOW-FALL	WATER EQUIV						5-SEC	2-MIN	SPEED		DIR	SPEED	DIR									
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	74	42	58	-7	45	51	7	0		0		0.0	0.00	29.04	30.08	0.6	35	2.1	11	31	10	01	01											
02	78	46	62	-2	49	55	3	0		0		0.0	0.00	29.09	30.12	1.1	26	2.5	16	25	13	23	02											
03	79	50	65	1	58	60	0	0	RA BR	0		0.0	T	29.12	30.15	1.1	33	3.8	18	21	16	22	03											
04	78	58	68	5	61	63	0	3	TS TSRA RA BR	0		0.0	0.53	29.03	30.06	3.8	26	7.6	30	24	25	23	04											
05	68	50	59	-3	49	53	6	0		0		0.0	0.00	29.07	30.10	6.7	02	7.0	17	02	13	01	05											
06	73	43	58	-4	48	52	7	0	BR	0		0.0	0.00	29.11	30.15	2.0	04	3.1	11	01	10	04	06											
07	77	44	61	-1	49	54	4	0	BR	0		0.0	0.00	29.17	30.21	1.9	08	3.8	13	18	10	18	07											
08	78	46	62	1	53	58	3	0	BR HZ	0		0.0	0.00	29.17	30.21	3.8	17	6.4	23	19	20	20	08											
09	70	61	66	5	62	63	0	1	RA BR	0		0.0	0.71	29.07	30.10	4.1	04	4.8	14	03	11	03	09											
10	72	64	68	7	66	66	0	3	RA FG BR	0		0.0	1.19	29.01	30.03	0.5	16	3.2	10	16	9	16	10											
11	77	59	68	8	61	64	0	3	BR	0		0.0	0.00	29.09	30.12	7.1	04	7.6	18	03	15	04	11											
12	80*	56	68*	9	59	62	0	3	BR HZ	0		0.0	0.00	29.12	30.15	2.8	05	4.6	13	04	10	14	12											
13	71	59	65	6	61	62	0	0	RA BR	0		0.0	0.14	29.01	30.04	6.1	23	6.8	17	23	15	24	13											
14	68	53	61	2	51	55	4	0	BR	0		0.0	0.00	29.01	30.04	7.0	03	7.7	20	04	16	04	14											
15	75	46	61	2	52	55	4	0		0		0.0	0.00	29.05	30.09	1.3	02	2.9	9	34	7	27	15											
16	76	48	62	4	54	57	3	0	FG BR	0		0.0	0.00	29.03	30.06	2.5	04	3.0	11	03	8	03	16											
17	79	48	64	6	54	58	1	0	FG+ BR HZ	0		0.0	0.00	28.87	29.90	5.5	36	6.4	24	36	18	36	17											
18	64	48	56	-2	44	50	9	0		0		0.0	0.00	29.01	30.04	6.4	01	7.5	18	01	16	01	18											
19	56	46	51	-6	47	49	14	0	RA BR	0		0.0	0.17	29.13	30.18	3.6	03	4.4	10	01	9	01	19											
20	61	41	51	-6	48	50	14	0	RA DZ FG+ BCFG BR	0		0.0	0.10	29.15	30.20	5.2	04	6.3	14	07	13	03	20											
21	62	41	52	-4	43	46	13	0	FG+ BR HZ	0		0.0	0.00	29.08	30.13	1.7	07	2.7	11	08	8	15	21											
22	71	40	56	0	39	47	9	0		0		0.0	0.00	28.78	29.81	8.4	25	9.6	30*	25	25*	28	22											
23	51	40	46	-10	29	39	19	0		0		0.0	0.00	28.91	29.95	6.1	29	6.9	18	31	15	31	23											
24	54	33	44*	-11	33	39	21	0		0		0.0	0.00	29.14	30.19	1.2	33	2.3	16	02	14	02	24											
25	61	30*	46	-9	35	40	19	0	BR	0		0.0	0.00	29.21	30.27	0.6	27	2.0	17	25	11	21	25											
26	67	32	50	-5	38	44	15	0		0		0.0	0.00	29.15	30.20	1.8	23	2.9	15	27	13	26	26											
27	73	39	56	2	42	48	9	0		0		0.0	0.00	29.17	30.22	0.5	04	7	10	34	7	04	27											
28	75	38	57	3	45	50	8	0	BR	0		0.0	0.00	29.24	30.28	0.8	24	1.3	9	21	8	22	28											
29	73	41	57	3	48	52	8	0	BR HZ	0		0.0	0.00	29.24	30.29	1.1	06	1.6	8	36	7	01	29											
30	76	43	60	7	51	54	5	0	BR HZ	0		0.0	0.00	29.25	30.29	1.0	05	1.5	10	02	9	36	30											
31	79	48	64	11	54	58	1	0	BR	0		0.0	0.00	29.22	30.26	1.7	04	2.4	10	02	9	02	31											
70.8											46.2	58.5	■ ■	49.3	53.4	6.6	0.4	< MONTHLY AVERAGES		TOTALS-->		0.0	2.84	29.09	30.13	1.3	01	4.4	<- MONTHLY AVERAGES					
0.2											0.2	0.1	■ ■	<----- DEPARTURE FROM NORMAL ----->										0.00	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.65 DATE: 09-10				SEA LEVEL PRESSURE				DATE TIME																	
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM				: 30.36 29 0853																	
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:				MINIMUM				: 29.66 22 1553																	
HEATING: 206			-32			234			-22			NUMBER OF DAYS WITH =>		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 2		PRECIPITATION ≥ 0.01 INCH : 6																
COOLING: 13			-20			1438			172			MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 6																		
												THUNDERSTORMS : 1		HEAVY FOG : 3		SNOWFALL ≥ 1.0 INCH : 0																		

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN

OCTOBER 1999

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			T		T							03	0.33	T		
04	0.03		0.01	0.26		0.03							04			T									04		0.53		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09	T	T			T					T	0.01	0.01	0.06	0.06	0.08	0.03	0.04	0.05	0.03	0.05	0.02	0.01	0.05	0.16	0.05	0.09	0.71		
10	0.01	T	T	T	0.05	0.03	0.01	0.10	0.29	0.34	0.25	0.04	10	0.03	0.01						0.02	0.01			10		1.19		
11													11												11		0.00		
12													12												12		0.00		
13					T	0.13		0.01	T				13												13		0.14		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19		T	T	T	0.02	0.01	T	T	0.05	0.06	T	0.03	19	0.17		
20	0.04	0.04	0.01	0.01	T								20												20		0.10		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.00		
29													29												29		0.00		
30													30												30		0.00		
31													31												31		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)												
Ending Date												
Ending Time (Hour/Min)												

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

OCTOBER 1999

TYS

WBAN # 13891

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		
	DRY BULB	DEW POINT		WET BULB	DRY BULB			DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB		DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG			STATION	SEA LEVEL							
SUNRISE: 0631								SUNSET: 1820								SUNRISE: 0635								SUNSET: 1812								
01	CLR	NC				10.00		48	46	47	93	0	00	29.04	30.07	01	CLR	NC				6.00	BR		47	46	46	97	5	06	29.14	30.18
04	CLR	NC				10.00		47	44	46	90	0	00	29.04	30.08	04	CLR	NC				7.00			49	47	48	93	0	00	29.16	30.19
07	CLR	NC				10.00		44	43	44	96	0	00	29.07	30.11	07	CLR	NC				6.00	BR		46	45	46	96	3	07	29.21	30.25
10	CLR	NC				10.00		58	46	52	65	5	02	29.10	30.14	10	CLR	NC				10.00			59	50	54	72	7	05	29.22	30.27
13	CLR	NC				10.00		70	43	56	38	5	VR	29.05	30.09	13	CLR	NC				10.00			72	50	59	46	0	00	29.28	30.22
16	CLR	NC				10.00		74	44	58	34	5	21	29.00	30.03	16	CLR	NC				10.00			75	51	61	43	0	00	29.12	30.16
19	CLR	NC				10.00		65	46	55	51	0	00	29.01	30.05	19	CLR	NC				10.00			69	51	59	53	3	16	29.13	30.16
22	CLR	NC				10.00		54	49	51	83	3	07	29.04	30.08	22	CLR	NC				10.00			62	49	55	62	6	21	29.17	30.20
SUNRISE: 0631								SUNSET: 1819								SUNRISE: 0636								SUNSET: 1810								
01	CLR	NC				10.00		53	48	50	83	0	00	29.04	30.07	01	CLR	NC				8.00			55	50	52	83	5	02	29.18	30.21
04	CLR	NC				10.00		48	47	47	96	0	00	29.05	30.08	04	CLR	NC				5.00	BR		51	49	50	92	0	00	29.18	30.21
07	CLR	NC				10.00		47	46	46	97	0	00	29.11	30.15	07	SCT	NC				3.00	BR		51	50	51	96	6	03	29.19	30.23
10	CLR	NC				10.00		63	50	56	63	3	VR	29.14	30.17	10	FEW	NC				9.00			64	52	57	65	3	VR	29.22	30.26
13	CLR	NC				10.00		72	49	59	44	3	VR	29.08	30.12	13	FEW	NC				10.00			76	55	63	48	16	21	29.29	30.22
16	CLR	NC				10.00		78	50	62	37	8	24	29.04	30.07	16	SCT	NC				10.00			76	56	64	50	10	18	29.13	30.16
19	CLR	NC				10.00		71	50	59	47	6	30	29.07	30.10	19	BKN	120				10.00			70	54	61	57	6	18	29.15	30.18
22	CLR	NC				10.00		61	52	56	72	0	00	29.13	30.16	22	BKN	090				10.00			71	54	61	55	14	15	29.15	30.18
SUNRISE: 0632								SUNSET: 1817								SUNRISE: 0637								SUNSET: 1809								
01	CLR	NC				10.00		57	51	54	81	3	03	29.14	30.17	01	OVC	080				10.00	-RA		66	56	60	70	0	00	29.13	30.16
04	CLR	NC				6.00	BR	51	51	51	100	0	00	29.15	30.18	04	BKN	100				10.00			64	56	59	75	5	36	29.11	30.14
07	BKN	060				6.00	BR	53	51	52	93	5	04	29.19	30.23	07	OVC	090				10.00			62	58	60	86	3	06	29.12	30.14
10	FEW	NC				10.00		66	55	60	68	7	05	29.20	30.23	10	BKN	095				6.00	-RA BR		64	61	62	90	8	05	29.11	30.14
13	FEW	NC				10.00		78	58	66	50	5	22	29.13	30.15	13	BKN	019				2.50	-RA BR		65	64	64	97	3	VR	29.08	30.11
16	BKN	090				10.00		74	63	67	69	3	VR	29.07	30.10	16	OVC	020				2.50	-RA BR		66	65	65	96	5	06	29.02	30.05
19	BKN	095				10.00		69	64	66	84	3	28	29.05	30.08	19	OVC	002				1.00	-RA BR		65	65	65	100	7	05	29.01	30.04
22	SCT	NC				6.00	BR	66	64	65	93	0	00	29.07	30.10	22	OVC	040				1.50	-RA BR		65	65	65	100	3	34	29.03	30.06
SUNRISE: 0633								SUNSET: 1816								SUNRISE: 0638								SUNSET: 1808								
01	SCT	NC				5.00	BR	65	64	64	97	0	00	29.05	30.07	01	OVC	003				1.00	BR		64	64	64	100	3	03	29.01	30.04
04	OVC	040				2.00	TSRA BR	63	60	61	90	13	21	29.04	30.06	04	OVC	001				1.00	-RA BR		65	64	64	97	3	02	29.00	30.03
07	SCT	NC				10.00		63	62	62	97	0	00	29.05	30.07	07	OVC	027				3.00	-RA BR		64	64	64	100	0	00	29.01	30.04
10	OVC	026				10.00		66	64	65	93	5	21	29.04	30.07	10	OVC	004				1.00	RA BR		66	65	65	96	0	00	29.03	30.06
13	BKN	065				10.00		74	64	68	71	15	25	29.01	30.03	13	OVC	004				4.00	-RA BR		68	68	68	100	6	30	28.99	30.01
16	BKN	034				10.00		75	63	67	66	16	28	28.96	29.98	16	BKN	060				10.00			72	68	69	87	7	16	28.97	29.99
19	BKN	034				9.00		66	56	60	70	8	01	29.03	30.06	19	OVC	040				10.00			70	67	68	90	3	18	29.00	30.03
22	OVC	036				10.00		61	53	57	75	9	02	29.09	30.12	22	SCT	NC				8.00			65	64	64	97	5	28	29.04	30.06
SUNRISE: 0634								SUNSET: 1814								SUNRISE: 0639								SUNSET: 1806								
01	SCT	NC				10.00		56	51	53	84	6	01	29.07	30.10	01	OVC	032				9.00			65	62	63	90	3	01	29.04	30.07
04	BKN	039				10.00		53	51	52	93	10	02	29.05	30.08	04	OVC	042				9.00			65	62	63	90	0	00	29.04	30.07
07	BKN	023				10.00		52	49	50	89	8	01	29.08	30.12	07	OVC	044				6.00	BR		64	62	63	93	3	02	29.08	30.11
10	BKN	026				10.00		58	50	54	75	8	04	29.09	30.13	10	SCT	NC				10.00			71	63	66	76	10	04	29.11	30.14
13	BKN	039				10.00		65	49	56	56	10	04	29.08	30.11	13	BKN	048				10.00			72	62	66	71	13	06	29.10	30.13
16	FEW	NC				10.00		67	48	57	51	8	06	29.03	30.06	16	BKN	055				10.00			75	61	66	62	8	02	29.08	30.10
19	CLR	NC				10.00		60	48	54	65	6	36	29.04	30.08	19	FEW	NC				10.00			69	60	64	73	9	03	29.10	30.13
22	CLR	NC				10.00		55	49	52	80	3	02	29.08	30.12	22	CLR	NC				9.00			63	57	60	81	8	03	29.14	30.17
SUNRISE: 0635								SUNSET: 1813								SUNRISE: 0640								SUNSET: 1805								
01	CLR	NC				6.00	BR	49	48	48	97	0	00	29.07	30.11	01	CLR	NC				6.00	BR		59	56	57	90	8	04	29.15	30.17
04	CLR	NC				5.00	BR	45	45	45	100	0	00	29.08	30.12	04	FEW	NC				6.00	BR		58	55	56	90	6	04	29.13	30.16
07	SCT	NC				3.00	BR	45	44	45	97	3	07	29.13	30.18	07	BKN	060				3.00	BR		57	55	56	93	5	07	29.16	30.20
10	SCT	NC				9.00		58	50	54	75	7	06	29.17	30.21	10	CLR	NC				6.00	HZ		66	59	62	78	7	07	29.18	30.22
13	CLR	NC				10.00		69	50	58	51	5	25	29.13	30.16	13	FEW	NC				10.00			76	60	66	58	6	VR	29.13	30.16
16	FEW	NC				10.00		73	45	58	37	7	34	29.08	30.12	16	BKN	080				10.00			77	62	68	60	3	10	29.08	30.11
19	CLR	NC				10.00		65	47	55	52	3	05	29.09	30.13	19	CLR	NC				10.00			71	60	64	68	5	13	29.08	30.11
22	CLR	NC				10.00		55	50	52	83	3	04	29.13	30.17	22	CLR	NC				10.00			67	59	62	76	0	00	29.09	30.12

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

OCTOBER 1999

TYS

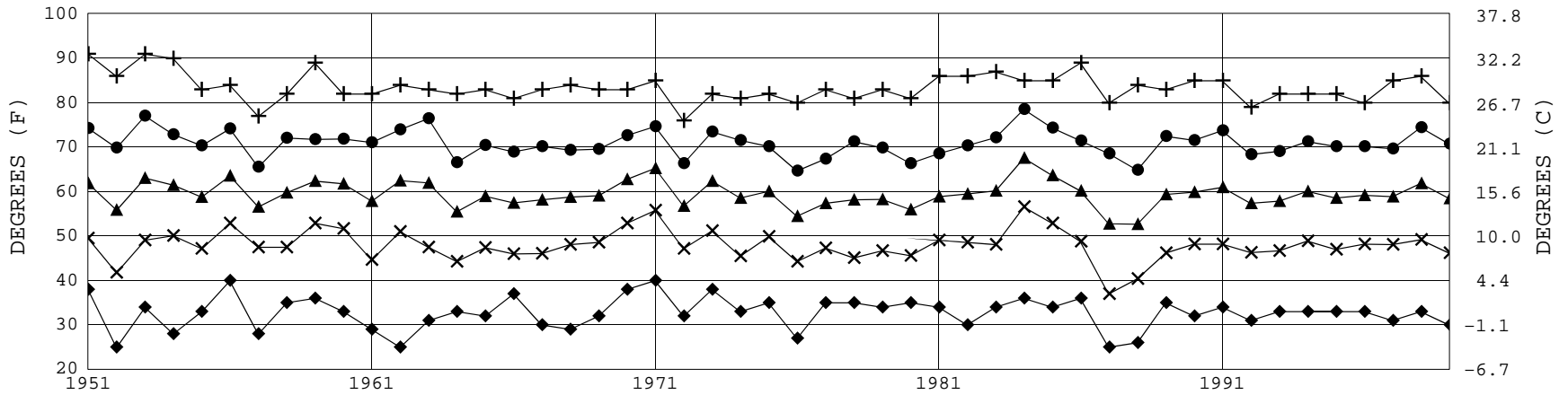
WBAN # 13891

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
SUNRISE: 0651								OCT 25	SUNSET: 1748								SUNRISE: 0657								OCT 31	SUNSET: 1742							
01	CLR	NC			10.00			35	34	35	96	6	11	29.21	30.27	01	FEW	NC			6.00	BR			52	52	52	100	0	00	29.26	30.30	
04	CLR	NC			10.00			34	33	34	97	0	00	29.21	30.27	04	FEW	NC			5.00	BR			53	51	52	93	0	00	29.26	30.30	
07	CLR	NC			10.00			32	31	32	96	3	08	29.23	30.30	07	FEW	NC			4.00	BR			49	49	49	100	0	00	29.30	30.35	
10	CLR	NC			10.00			44	36	40	73	3	VR	29.27	30.34	10	CLR	NC			8.00				65	55	59	70	3	08	29.30	30.35	
13	CLR	NC			10.00			57	35	47	44	6	VR	29.22	30.28	13	CLR	NC			10.00				75	55	63	50	5	29	29.23	30.27	
16	CLR	NC			10.00			60	36	48	41	5	28	29.17	30.22	16	SCT	NC			10.00				78	55	64	45	5	08	29.15	30.18	
19	CLR	NC			10.00			55	34	45	45	0	00	29.16	30.22	19	CLR	NC			10.00				68	55	60	63	6	02	29.16	30.20	
22	CLR	NC			10.00			46	37	42	71	0	00	29.18	30.23	22	BKN	075			10.00				64	57	60	78	0	00	29.16	30.19	
SUNRISE: 0652								OCT 26	SUNSET: 1747								3-HOURLY OBSERVATION NOTES																
01	CLR	NC			10.00			39	37	38	93	0	00	29.18	30.23	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.																	
04	CLR	NC			10.00			39	37	38	93	0	00	29.18	30.23	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																	
07	CLR	NC			8.00			34	34	34	100	0	00	29.20	30.26	NC = No ceiling detected.																	
10	CLR	NC			10.00			49	40	45	71	0	00	29.21	30.26	& = Original observation contained additional weather elements.																	
13	CLR	NC			10.00			64	37	51	37	7	28	29.14	30.19	See page 3 for additional notes.																	
16	CLR	NC			10.00			66	38	52	36	8	23	29.09	30.14																		
19	CLR	NC			10.00			59	37	48	44	5	22	29.10	30.15																		
22	CLR	NC			10.00			51	40	46	66	0	00	29.13	30.18																		
SUNRISE: 0653								OCT 27	SUNSET: 1746																								
01	CLR	NC			10.00			45	41	43	86	0	00	29.14	30.18																		
04	FEW	NC			9.00			42	40	41	92	0	00	29.15	30.19																		
07	CLR	NC			10.00			41	39	40	93	0	00	29.18	30.23																		
10	CLR	NC			10.00			54	43	49	67	0	00	29.21	30.25																		
13	CLR	NC			10.00			69	42	55	38	0	00	29.17	30.21																		
16	CLR	NC			10.00			72	42	56	34	0	00	29.14	30.18																		
19	CLR	NC			10.00			61	44	52	54	3	06	29.17	30.21																		
22	FEW	NC			10.00			49	45	47	86	0	00	29.19	30.24																		
SUNRISE: 0654								OCT 28	SUNSET: 1745																								
01	FEW	NC			10.00			47	43	45	86	0	00	29.21	30.26																		
04	FEW	NC			6.00	BR		43	41	42	93	0	00	29.22	30.27																		
07	CLR	NC			5.00	BR		41	40	41	96	0	00	29.26	30.31																		
10	CLR	NC			10.00			54	46	50	75	0	00	29.29	30.35																		
13	CLR	NC			10.00			69	46	57	44	3	VR	29.25	30.30																		
16	CLR	NC			10.00			74	45	58	36	5	23	29.21	30.24																		
19	CLR	NC			10.00			65	47	55	52	0	00	29.21	30.25																		
22	CLR	NC			10.00			54	47	50	77	0	00	29.23	30.29																		
SUNRISE: 0655								OCT 29	SUNSET: 1744																								
01	CLR	NC			10.00			50	46	48	86	0	00	29.23	30.28																		
04	CLR	NC			7.00			46	45	46	96	0	00	29.24	30.29																		
07	FEW	NC			4.00	BR		43	43	43	100	3	05	29.28	30.33																		
10	CLR	NC			10.00			57	49	53	75	6	07	29.31	30.36																		
13	CLR	NC			10.00			69	49	58	49	0	00	29.25	30.29																		
16	CLR	NC			10.00			73	49	59	43	3	36	29.20	30.24																		
19	CLR	NC			10.00			65	49	56	56	0	00	29.21	30.25																		
22	CLR	NC			8.00			57	50	53	78	0	00	29.22	30.27																		
SUNRISE: 0656								OCT 30	SUNSET: 1743																								
01	CLR	NC			5.00	BR		50	49	49	96	0	00	29.22	30.27																		
04	CLR	NC			5.00	BR		47	46	46	97	0	00	29.23	30.27																		
07	CLR	NC			3.00	BR		45	45	45	100	0	00	29.26	30.31																		
10	FEW	NC			4.00	HZ		59	51	55	75	0	00	29.29	30.34																		
13	SCT	NC			10.00			70	52	60	53	3	VR	29.24	30.29																		
16	SCT	NC			10.00			75	54	63	48	5	07	29.21	30.24																		
19	FEW	NC			10.00			67	54	59	63	0	00	29.22	30.27																		
22	CLR	NC			9.00			58	54	56	87	0	00	29.26	30.30																		

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)	DIRECTION	
							STATION	SEA LEVEL				
01			52	49	50	89	29.09	30.12	7.85	3	1	1
02			52	48	50	89	29.09	30.12	7.63	3	2	2
03			51	48	49	90	29.08	30.12	7.08	3	2	1
04			50	47	49	90	29.08	30.12	7.20	3	2	1
05			49	47	48	92	29.09	30.13	7.00	3	2	3
06			49	47	48	92	29.10	30.14	6.47	3	2	2
07			49	47	48	92	29.11	30.15	6.84	3	2	4
08			51	48	49	90	29.12	30.17	6.85	4	3	4
09			55	49	52	83	29.13	30.18	7.39	5	3	3
10			58	49	54	74	29.13	30.17	8.42	6	3	3
11			62	50	56	67	29.13	30.16	8.71	5	2	2
12			65	50	57	60	29.11	30.15	9.16	5	2	35
13			67	50	58	57	29.09	30.13	9.56	5	2	28
14			68	50	58	54	29.07	30.10	9.60	5	1	28
15			69	50	59	52	29.05	30.09	9.52	5	1	25
16			70	50	59	52	29.05	30.08	9.53	6	1	29
17			68	50	58	54	29.05	30.08	9.39	7	2	32
18			66	50	57	58	29.05	30.09	9.39	6	1	33
19			63	50	56	64	29.06	30.10	9.35	4	1	1
20			60	50	55	70	29.07	30.11	9.39	4	1	36
21			58	50	54	76	29.08	30.12	9.06	4	1	1
22			57	50	53	80	29.09	30.13	8.92	4	1	1
23			56	49	52	80	29.09	30.13	8.45	3	1	3
24			54	49	52	84	29.09	30.13	8.10	2	1	36

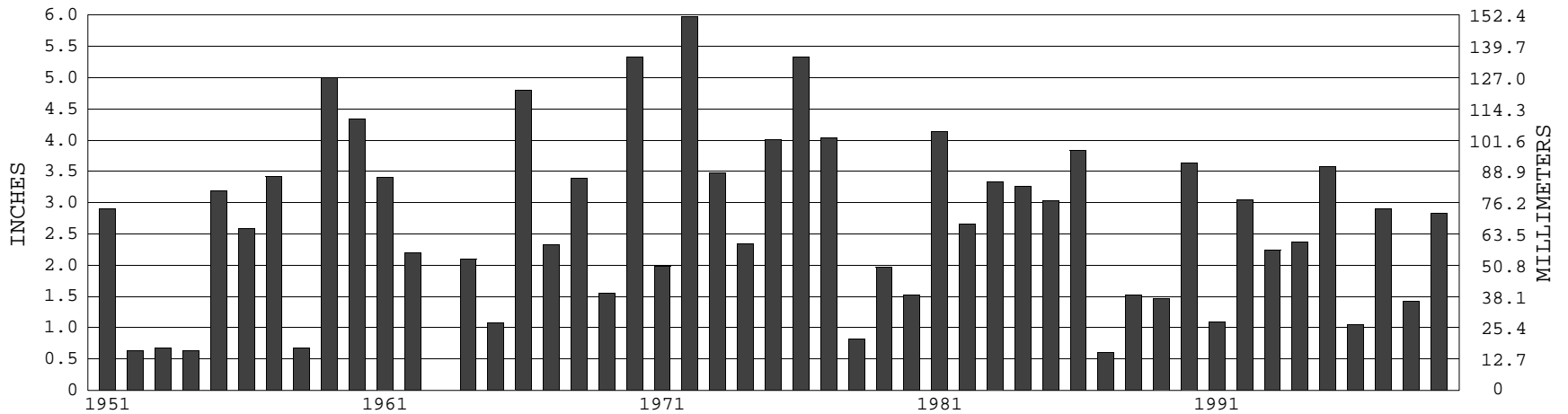
KNOXVILLE, TN OCTOBER TEMPERATURES



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

Long-Term (1951-1999) Mean: 59.5 1961-1990 Normal: 58.4

KNOXVILLE, TN OCTOBER PRECIPITATION



Long-Term (1951-1999) Mean Monthly Total: 2.65

1961-1990 Normal: 2.84



**OCTOBER 1999
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

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at
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