



MAY 2004

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

MAY 2004
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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
01	75	56	66	4	61	63	0	1	RA BR	0		0.0	0.23	28.93	29.96	1.3	13	2.9	23	18	17	18	01			
02	68	45	57	-5	54	55	8	0	RA BR	0		0.0	0.96	28.87	29.90	5.1	27	8.8	31	29	25	29	02			
03	56	38	47*	-15	40	44	18	0	RA FG BR	0		0.0	T	29.04	30.09	4.3	01	4.9	18	02	14	02	03			
04	64	35*	50	-12	39	45	15	0	FG+ BR	0		0.0	0.00	29.10	30.15	2.5	26	3.1	15	23	13	23	04			
05	78	50	64	1	53	58	1	0	RA	0		0.0	0.13	29.02	30.06	4.7	23	5.4	20	23	15	24	05			
06	81	57	69	6	57	62	0	4		0		0.0	0.00	29.10	30.13	6.7	23	7.0	21	22	18	22	06			
07	85	55	70	7	57	62	0	5		0		0.0	0.00	29.16	30.18	3.4	23	3.7	15	28	13	27	07			
08	85	57	71	8	57	63	0	6		0		0.0	0.00	29.13	30.16	0.8	18	3.2	15	12	13	12	08			
09	87	58	73	9	57	63	0	8	TS	0		0.0	0.00	29.10	30.12	0.5	28	3.7	23	18	20	17	09			
10	82	59	71	7	61	64	0	6	RA BR	0		0.0	T	29.11	30.14	0.2	01	4.0	18	24	16	24	10			
11	81	59	70	6	61	63	0	5	TS RA FG+ BR	0		0.0	T	29.13	30.16	1.2	24	3.8	26	22	23	22	11			
12	83	58	71	7	63	65	0	6	TS RA BR	0		0.0	0.01	29.11	30.14	1.0	04	2.8	14	08	13	09	12			
13	82	63	73	8	64	67	0	8	RA BR	0		0.0	0.13	29.10	30.13	2.2	25	5.3	22	25	18	24	13			
14	80	61	71	5	62	65	0	6	FG+ BR	0		0.0	0.00	29.11	30.14	5.5	23	6.5	23	20	23	14	14			
15	82	60	71	5	61	65	0	6	BR	0		0.0	0.00	29.13	30.15	4.6	24	5.6	24	20	21	21	15			
16	82	62	72	6	64	66	0	7	TS BR	0		0.0	0.00	29.19	30.22	0.4	34	3.9	17	23	15	11	16			
17	84	61	73	7	64	67	0	8	TS TSRA BR HZ	0		0.0	T	29.22	30.25	0.5	11	2.8	25	23	23	23	17			
18	84	62	73	6	64	67	0	8	FG+ BR HZ	0		0.0	0.00	29.17	30.20	4.8	22	6.2	22	19	20	19	18			
19	84	65	75	8	64	68	0	10		0		0.0	0.00	29.12	30.14	6.0	24	6.5	16	22	13	21	19			
20	87	67	77	10	65	69	0	12		0		0.0	0.00	29.15	30.16	6.6	23	7.0	22	23	15	22	20			
21	89	67	78	10	65	70	0	13		0		0.0	0.00	29.09	30.11	5.1	26	5.8	20	29	16	27	21			
22	90	66	78	10	67	70	0	13	TS	0		0.0	0.00	28.99	30.00	4.4	25	5.7	25	24	17	24	22			
23	89	66	78	10	63	68	0	13	BR	0		0.0	0.00	28.94	29.95	9.1	24	9.9	28	23	24	24	23			
24	89	68	79	10	64	69	0	14	TSRA RA	0		0.0	0.04	28.94	29.95	9.9	24	10.5	25	28	20	24	24			
25	90*	70	80*	11	66	71	0	15	RA	0		0.0	T	28.92	29.92	11.1	24	11.5	25	22	22	22	25			
26	85	64	75	6	66	69	0	10	TS TSRA TSRAGR RA BR	0		0.0	1.76	28.86	29.87	8.8	22	12.2	40	30	30	31	26			
27	86	64	75	6	64	68	0	10		0		0.0	0.00	28.80	29.81	10.2	23	11.6	29	21	24	22	27			
28	77	66	72	2	65	67	0	7	TSRA RA BR	0		0.0	0.26	28.83	29.84	10.3	23	10.8	22	24	18	32	28			
29	82	66	74	4	65	68	0	9	BR	0		0.0	T	28.92	29.94	4.9	25	5.5	15	26	12	25	29			
30	86	66	76	6	68	71	0	11	TSRA RA BR	0		0.0	0.25	28.84	29.84	10.5	22	11.3	29	23	24	23	30			
31	80	65	73	3	65	67	0	8	TS TSRA RA BR	0		0.0	1.58	28.75	29.75	13.1	22	13.8	41*	25	30*	24	31			
81.7 59.9 70.8 ■■											60.8 64.5 1.4 7.4		< MONTHLY AVERAGES TOTALS->		0.0 5.35		29.03 30.05		3.9 23 6.6		<- MONTHLY AVERAGES					
5.4 4.3 4.8 ■■											<-----DEPARTURE FROM NORMAL----->		0.67		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.78 DATE: 30-31			SEA LEVEL PRESSURE			DATE TIME											
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.0 DATE:			MAXIMUM : 30.31			17 0953											
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 0 DATE:			MINIMUM : 29.69			31 0153											
HEATING: 42			-23			3604			-83			NUMBER OF DAYS WITH =>			MAXIMUM TEMP ≥ 90: 2			MINIMUM TEMP ≤ 32: 0			PRECIPITATION ≥ 0.01 INCH: 10					
COOLING: 229			119			278			135						MAXIMUM TEMP ≤ 32: 0			MINIMUM TEMP ≤ 0: 0			PRECIPITATION ≥ 0.10 INCH: 8					
																		THUNDERSTORMS : 11			HEAVY FOG : 4			SNOWFALL ≥ 1.0 INCH : 0		

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN

MAY 2004

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		0.23		
02			0.01	T			T	0.20	0.01	0.33	0.16	0.06	02	0.02	T	T	0.22	0.01	0.05	0.08	T				02		0.96		
03													03	T		0.03	0.01								03		T		
04													04												04		0.00		
05								T	0.13	T			05												05		0.13		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10				T	T	T					10		T			
11													11				T	T						11		T			
12													12			0.01	T							12		0.01			
13													13		T	T								13		0.13			
14													14							0.12	T	0.01		14		0.00			
15													15											15		0.00			
16													16				T	T						16		0.00			
17													17			T	T							17		T			
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			0.04										24											24		0.04			
25										T			25											25		T			
26													26					T	1.01	0.02	0.61	0.12	T	26		1.76			
27													27											27		0.00			
28						0.01	0.23	0.02				T	28	T										28		0.26			
29							T						29											29		T			
30						T	0.12	0.13					30											30		0.25			
31	T		0.17	1.27	0.08	0.01	T	0.05		T			31	T	T									31		1.58			

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.40	.65	.83	1.06	1.15	1.36	1.43	1.45	1.50	1.52	1.62	1.64
Ending Date	31	26	31	31	31	31	31	31	31	31	26	26
Ending Time (Hour/Min)	0309	1824	0319	0323	0332	0333	0344	0406	0422	0441	2027	2027

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.

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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

KNOXVILLE, TN MAY 2004

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	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							2.00	10.00	
02							1.25	10.00	
03							.50	10.00	
04							.06	10.00	
05							7.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							8.00	10.00	
09							10.00	10.00	
10							6.00	10.00	
11							< .25	10.00	
12							1.00	10.00	
13							2.00	10.00	
14							.13	10.00	
15							6.00	10.00	
16							2.50	10.00	
17							1.00	10.00	
18							.25	10.00	
19							7.00	10.00	
20							8.00	10.00	
21							10.00	10.00	
22							8.00	10.00	
23							4.00	10.00	
24							10.00	10.00	
25							7.00	10.00	
26							.75	10.00	
27							7.00	10.00	
28							1.00	10.00	
29							6.00	10.00	
30							1.50	10.00	
31							.75	10.00	
MONTHLY AVGS							5.15	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 4 11 14									

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

MAY 2004

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			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			SKY COVER	CEILING 100'S OF FT	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: 0543					MAY 01					SUNSET: 1922					SUNRISE: 0537					MAY 07					SUNSET: 1927				
01	BKN	250	10.00		62	57	59	84	3	33	29.02	30.05	01	CLR	NC	10.00		63	54	58	73	7	21	29.14	30.16				
04	BKN	250	6.00	BR	56	55	55	97	3	06	28.96	29.99	04	CLR	NC	10.00		58	54	56	87	0	00	29.14	30.17				
07	OVC	140	6.00	BR	60	58	59	93	3	01	29.00	30.03	07	CLR	NC	10.00		60	56	58	86	0	00	29.20	30.23				
10	BKN	065	10.00		68	60	63	76	5	14	28.99	30.01	10	CLR	NC	10.00		76	59	65	56	7	22	29.21	30.24				
13	BKN	060	10.00		73	61	66	66	6	09	28.94	29.96	13	CLR	NC	10.00		81	56	66	42	6	27	29.19	30.21				
16	BKN	031	6.00	-RA	68	66	67	93	7	18	28.90	29.93	16	FEW	NC	10.00		83	59	68	44	7	20	29.14	30.16				
19	BKN	055	10.00		72	65	67	79	6	16	28.86	29.87	19	FEW	NC	10.00		77	59	66	54	7	22	29.12	30.14				
22	BKN	250	10.00		66	65	65	96	0	00	28.85	29.87	22	CLR	NC	10.00		72	58	63	61	0	00	29.14	30.16				
SUNRISE: 0542					MAY 02					SUNSET: 1923					SUNRISE: 0536					MAY 08					SUNSET: 1928				
01	OVC	130	8.00		63	62	62	97	0	00	28.81	29.82	01	CLR	NC	10.00		64	59	61	84	3	14	29.15	30.17				
04	OVC	095	10.00		68	60	63	76	14	22	28.76	29.77	04	CLR	NC	10.00		59	56	57	90	0	00	29.15	30.16				
07	OVC	039	10.00	-RA	67	60	63	79	16	25	28.77	29.78	07	CLR	NC	10.00		60	56	58	86	5	07	29.18	30.21				
10	OVC	008	1.50	+RA BR	59	56	57	90	24	29	28.79	29.81	10	CLR	NC	10.00		75	61	66	62	0	00	29.19	30.21				
13	OVC	007	10.00	-RA	56	54	55	93	12	26	28.88	29.91	13	CLR	NC	10.00		84	57	67	40	3	VR	29.16	30.17				
16	OVC	007	2.00	-RA BR	52	50	51	93	6	28	28.93	29.96	16	FEW	NC	10.00		84	53	65	35	8	26	29.09	30.11				
19	OVC	019	9.00		50	47	48	89	8	35	28.97	30.01	19	FEW	NC	10.00		80	58	66	47	6	15	29.08	30.11				
22	SCT	NC	10.00		47	45	46	93	5	07	29.01	30.05	22	CLR	NC	10.00		72	53	61	52	3	10	29.11	30.12				
SUNRISE: 0541					MAY 03					SUNSET: 1924					SUNRISE: 0535					MAY 09					SUNSET: 1929				
01	CLR	NC	9.00		45	43	44	93	7	36	28.99	30.03	01	SCT	NC	10.00		63	56	59	78	3	06	29.08	30.10				
04	CLR	NC	3.00	BR	40	39	40	97	3	08	28.96	30.01	04	FEW	NC	10.00		59	54	56	83	6	03	29.10	30.12				
07	CLR	NC	5.00	BR	41	40	41	96	6	04	28.96	30.01	07	SCT	NC	10.00		61	56	58	84	3	04	29.15	30.17				
10	OVC	015	7.00		46	41	44	83	9	34	29.03	30.08	10	SCT	NC	10.00		75	60	66	60	0	00	29.16	30.17				
13	BKN	037	7.00		53	41	47	64	10	02	29.08	30.13	13	SCT	NC	10.00		85	56	67	37	0	00	29.10	30.11				
16	OVC	070	10.00		53	38	46	57	5	31	29.06	30.11	16	SCT	NC	10.00		87	59	69	39	5	VR	29.05	30.07				
19	SCT	NC	10.00		53	36	45	52	6	31	29.09	30.14	19	CLR	NC	10.00		76	58	65	54	5	25	29.04	30.07				
22	CLR	NC	8.00		45	42	44	90	0	00	29.12	30.17	22	CLR	NC	10.00		70	58	63	66	6	30	29.08	30.10				
SUNRISE: 0540					MAY 04					SUNSET: 1925					SUNRISE: 0535					MAY 10					SUNSET: 1930				
01	CLR	NC	5.00	BR	41	40	41	96	0	00	29.12	30.17	01	CLR	NC	10.00		66	59	62	78	3	14	29.10	30.11				
04	FEW	NC	3.00	BR	39	37	38	93	0	00	29.12	30.17	04	CLR	NC	9.00		60	58	59	93	3	06	29.07	30.09				
07	VV	001	0.06	FG	38	38	38	100	0	00	29.18	30.23	07	BKN	250	7.00		61	59	60	93	3	07	29.14	30.16				
10	FEW	NC	7.00		50	42	46	74	0	00	29.19	30.24	10	BKN	250	10.00		75	62	67	64	3	01	29.15	30.17				
13	FEW	NC	10.00		59	37	48	44	6	26	29.13	30.18	13	BKN	250	10.00		80	65	70	60	5	31	29.11	30.13				
16	CLR	NC	10.00		63	39	51	41	8	25	29.04	30.08	16	BKN	120	10.00		76	59	65	56	13	22	29.08	30.11				
19	CLR	NC	10.00		60	42	51	52	7	23	29.01	30.05	19	BKN	250	9.00		69	63	65	81	5	13	29.08	30.11				
22	CLR	NC	10.00		56	41	49	57	3	25	29.04	30.09	22	SCT	NC	9.00		68	62	64	81	0	00	29.13	30.16				
SUNRISE: 0539					MAY 05					SUNSET: 1926					SUNRISE: 0534					MAY 11					SUNSET: 1931				
01	SCT	NC	10.00		50	42	46	74	7	21	29.03	30.07	01	SCT	NC	5.00	BR	63	62	62	97	0	00	29.14	30.16				
04	SCT	NC	10.00		52	42	47	69	7	28	29.04	30.07	04	SCT	NC	4.00	BR	61	60	60	97	3	03	29.11	30.14				
07	OVC	070	10.00		54	46	50	75	0	00	29.04	30.08	07	VV	001	0.50	FG	60	60	60	100	3	VR	29.16	30.19				
10	SCT	NC	7.00		60	55	57	84	5	24	29.06	30.10	10	SCT	NC	9.00		73	63	67	71	0	00	29.19	30.22				
13	SCT	NC	10.00		72	58	63	61	6	24	29.02	30.05	13	SCT	NC	10.00		78	63	68	60	5	VR	29.13	30.15				
16	SCT	NC	10.00		76	58	65	54	9	24	28.97	30.00	16	BKN	150	10.00	TS	73	61	66	66	17	22	29.09	30.12				
19	SCT	NC	10.00		72	61	65	69	6	24	28.98	30.01	19	BKN	120	10.00		70	57	62	64	0	00	29.10	30.13				
22	SCT	NC	10.00		68	61	64	78	0	00	29.02	30.05	22	SCT	NC	9.00		65	60	62	84	0	00	29.14	30.16				
SUNRISE: 0538					MAY 06					SUNSET: 1927					SUNRISE: 0533					MAY 12					SUNSET: 1932				
01	CLR	NC	10.00		61	58	59	90	6	21	29.04	30.06	01	BKN	250	8.00		63	59	61	87	0	00	29.13	30.16				
04	CLR	NC	10.00		61	57	59	87	0	00	29.06	30.09	04	SCT	NC	4.00	BR	62	61	61	96	5	36	29.12	30.15				
07	CLR	NC	10.00		61	57	59	87	5	23	29.12	30.15	07	BKN	130	3.00	BR	63	61	62	93	0	00	29.17	30.20				
10	SCT	NC	10.00		74	58	64	57	8	23	29.15	30.17	10	BKN	250	8.00		71	63	66	76	5	VR	29.18	30.20				
13	FEW	NC	10.00		79	57	65	47	9	23	29.13	30.15	13	SCT	NC	10.00		81	62	69	53	5	31	29.12	30.14				
16	FEW	NC	10.00		81	57	66	44	13	22	29.09	30.11	16	BKN	065	10.00		79	66	70	65	7	07	29.06	30.08				
19	SCT	NC	10.00		76	57	64	52	7	22	29.08	30.11	19	BKN	055	10.00		78	64	69	62	0	00	29.06	30.08				
22	CLR	NC	10.00		69	56	61	63	6	27	29.13	30.15	22	BKN	250	10.00		69	64	66	84	6	13	29.09	30.11				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

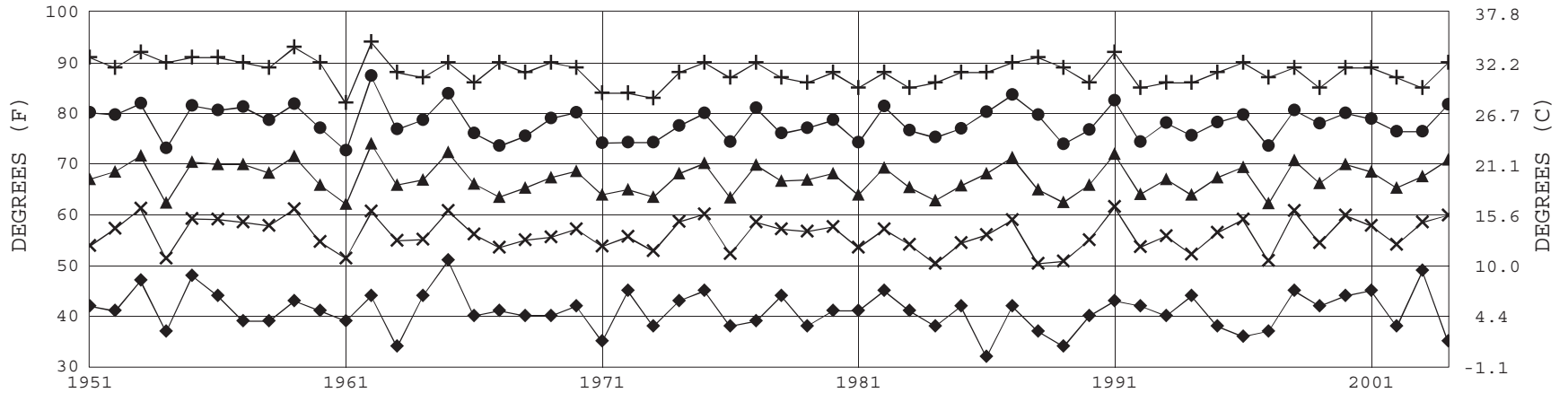
MAY 2004

TYS

WBAN # 13891

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)														
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Otktas	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 Otktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL									
SUNRISE: 0524 MAY 25 SUNSET: 1942												SUNRISE: 0521 MAY 31 SUNSET: 1946																								
01	CLR	NC			73	66	68	79	9	23	28.92	29.93	01	BKN	090			80	69	73	69	18	21	28.71	29.71											
04	BKN	060			73	67	69	81	7	24	28.94	29.95	04	BKN	030			66	64	65	93	6	19	28.77	29.77											
07	BKN	050			72	67	69	84	6	29	28.98	30.00	07	BKN	080			66	65	65	96	8	26	28.77	29.77											
10	BKN	250			80	68	72	67	15	23	28.96	29.97	10	BKN	080			69	65	66	87	18	24	28.75	29.75											
13	BKN	045			87	66	73	50	13	23	28.93	29.94	13	BKN	019			70	65	67	84	15	22	28.77	29.78											
16	BKN	090			87	62	71	43	16	25	28.87	29.88	16	BKN	039			74	65	68	74	17	22	28.73	29.74											
19	BKN	200			83	64	71	53	8	24	28.85	29.86	19	BKN	045			74	65	68	74	14	23	28.74	29.75											
22	OVC	200			80	68	72	67	12	27	28.91	29.92	22	CLR	NC			68	64	66	87	8	22	28.79	29.80											
SUNRISE: 0524 MAY 26 SUNSET: 1942												3-HOURLY OBSERVATION NOTES																								
01	BKN	200			74	68	70	82	8	21	28.90	29.91	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	BKN	075			74	67	69	79	8	22	28.87	29.88	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																							
07	BKN	075			75	66	69	74	12	21	28.89	29.91	NC = No ceiling detected.																							
10	BKN	250			80	66	71	62	18	23	28.89	29.90	& = Original observation contained additional weather elements.																							
13	OVC	037			82	67	72	60	17	22	28.83	29.84	See page 3 for additional notes.																							
16	OVC	100			81	68	72	65	15	26	28.82	29.83																								
19	OVC	045			68	65	66	90	13	05	28.87	29.88																								
22	OVC	050			65	63	64	93	9	11	28.87	29.88																								
SUNRISE: 0523 MAY 27 SUNSET: 1943												SUMMARY BY HOUR																								
01	BKN	200			64	63	63	96	3	30	28.80	29.81	AVERAGES																							
04	BKN	080			65	64	64	97	6	18	28.84	29.85																								
07	OVC	040			67	65	66	93	5	03	28.87	29.89	RESULTANT WIND (MPH)																							
10	BKN	120			78	69	72	74	14	23	28.85	29.86																								
13	BKN	120			82	64	70	55	22	24	28.81	29.82	HOUR (LST)																							
16	SCT	NC			85	61	69	45	21	23	28.76	29.76																								
19	FEW	NC			81	62	69	53	15	22	28.73	29.73	CEILOMETER																							
22	FEW	NC			76	62	67	62	14	21	28.74	29.74																								
SUNRISE: 0523 MAY 28 SUNSET: 1944												EFF CLD AMT																								
01	OVC	060			75	62	67	64	12	23	28.79																									29.79
04	OVC	042			75	63	67	66	15	22	28.74	29.74	DRY BULB																							
07	BKN	036			68	65	66	90	6	22	28.83	29.84																								
10	OVC	100			70	65	67	84	7	26	28.86	29.87	DEW POINT																							
13	OVC	110			73	66	68	79	15	24	28.84	29.85																								
16	OVC	045			75	66	69	74	12	24	28.85	29.85	WET BULB																							
19	OVC	200			72	66	68	82	9	22	28.86	29.87																								
22	OVC	055			69	65	66	87	10	23	28.91	29.93	RELATIVE HUMIDITY																							
SUNRISE: 0522 MAY 29 SUNSET: 1945																																				
01	BKN	036			67	64	65	91	5	25	28.90	29.92	PRESSURE (INCHES, HG)																							
04	OVC	018			66	64	65	93	3	29	28.89	29.91																								
07	OVC	005			67	65	66	93	6	20	28.95	29.97	STATION																							
10	BKN	022			74	65	68	74	0	00	28.96	29.98																								
13	SCT	NC			79	65	70	62	3	25	28.93	29.95	SEA LEVEL																							
16	BKN	060			81	66	71	61	8	25	28.90	29.92																								
19	SCT	NC			78	66	70	67	8	24	28.89	29.91	VISIBILITY (MILES)																							
22	OVC	120			73	67	69	81	8	23	28.91	29.93																								
SUNRISE: 0522 MAY 30 SUNSET: 1945												WIND SPEED (MPH)																								
01	CLR	NC			70	65	67	84	3	26	28.90																									29.92
04	FEW	NC			67	65	66	93	3	11	28.87	29.88	SPEED																							
07	OVC	022			68	67	67	96	5	22	28.91	29.93																								
10	BKN	200			76	67	70	74	12	21	28.90	29.92	DIRECTION																							
13	BKN	028			82	71	74	69	20	22	28.86	29.86																								
16	BKN	090			85	70	75	61	22	23	28.79	29.79	23																							
19	SCT	NC			82	69	73	65	12	21	28.75	29.75																								
22	BKN	075			80	69	73	69	9	21	28.76	29.76	24																							

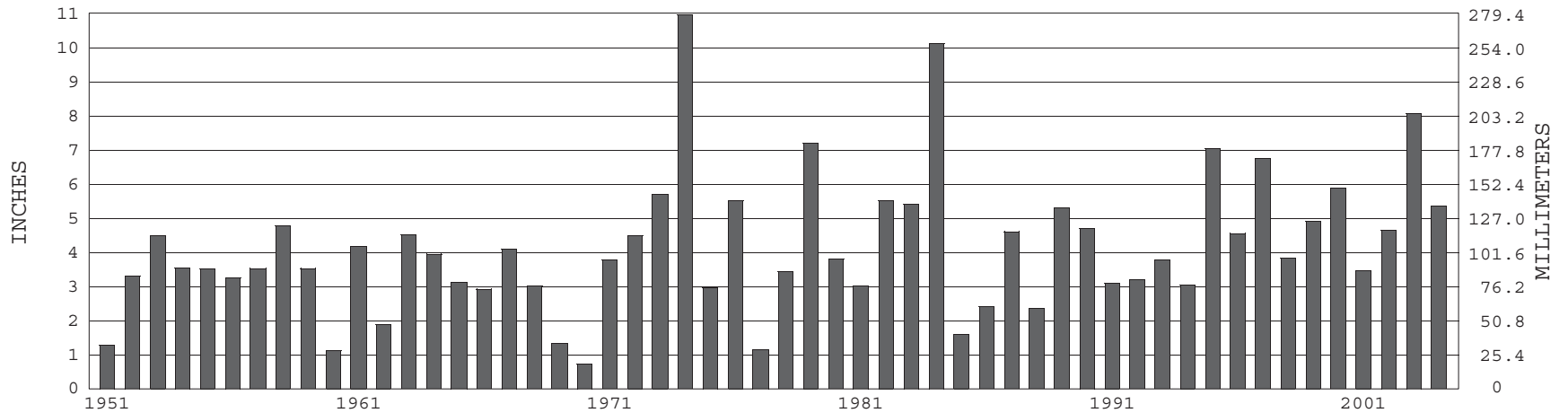
KNOXVILLE, TN MAY TEMPERATURES



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

Long-Term (1951-2004) Mean: 67.2 1971-2000 Normal: 66.0

KNOXVILLE, TN MAY PRECIPITATION



Long-Term (1951-2004) Mean Monthly Total: 4.15

1971-2000 Normal: 4.68



MAY 2004

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.

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