



# APRIL 2003

## 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

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	71	42	57	3	36	48	8	0					0.00	29.13	30.17	15.2	23	15.3	33	23	28	22	01															
02	74	51	63	9	43	52	2	0					0.00	29.11	30.14	14.3	23	14.5	29	24	25	24	02															
03	74	53	64	10	49	56	1	0					0.00	29.02	30.05	11.9	24	12.2	25	26	21	24	03															
04	73	59	66	12	55	60	0	1					0.00	28.87	29.89	12.6	23	12.9	28	24	23	23	04															
05	73	52	63	9	50	56	2	0	TS TSRA RA GS BR				0.44	28.92	29.95	6.8	25	10.5	44*	27	31*	28	05															
06	64	43	54	-1	46	49	11	0	TSRA RA BR				0.43	29.03	30.07	8.7	03	9.3	21	30	17	02	06															
07	65	52	59	4	57	57	6	0	TSRA RA DZ BR				0.52	28.95	29.99	4.1	04	4.7	14	02	13	02	07															
08	61	54	58	2	56	57	7	0	TS RA BR				1.13	28.95	29.98	1.6	34	4.6	13	29	10	26	08															
09	56	43	50	-6	46	47	15	0	RA BR				0.58	28.84	29.88	5.1	34	7.2	17	33	14	35	09															
10	47	43	45*	-11	44	45	20	0	RA DZ BR				1.04	28.74	29.78	6.2	01	7.4	24	04	20	04	10															
11	57	44	51	-5	46	48	14	0	RA DZ BCFG BR				0.07	28.79	29.82	1.9	02	3.0	16	02	15	36	11															
12	73	38*	56	-1	44	50	9	0	BCFG BR				0.00	28.91	29.94	1.8	26	3.9	16	01	12	29	12															
13	74	45	60	3	45	52	5	0	BR				0.00	29.08	30.11	0.3	02	2.3	12	04	10	03	13															
14	80	42	61	4	47	54	4	0					0.00	29.19	30.22	1.7	29	2.7	16	28	14	29	14															
15	81	50	66	8	52	58	0	1					0.00	29.11	30.14	4.1	25	5.6	18	24	16	24	15															
16	78	53	66	7	54	60	0	1	RA BR				T	28.93	29.95	5.0	22	6.4	24	22	20	23	16															
17	70	58	64	5	57	59	1	0	RA BR				1.06	28.81	29.83	2.4	19	5.9	18	21	16	20	17															
18	72	55	64	5	58	60	1	0	RA FG BR				0.02	28.97	30.00	5.0	04	6.2	14	03	13	11	18															
19	77	50	64	5	57	60	1	0					0.00	29.09	30.13	1.3	32	4.2	14	05	12	05	19															
20	75	61	68	9	60	63	0	3	RA				T	29.05	30.07	8.6	26	9.3	24	28	18	25	20															
21	76	58	67	7	58	62	0	2	TSRA RA BR				0.14	28.85	29.87	10.2	25	11.2	28	26	23	26	21															
22	60	48	54	-6	44	50	11	0					0.00	28.91	29.94	5.0	31	8.5	21	28	16	28	22															
23	67	42	55	-5	40	47	10	0					0.00	29.03	30.07	3.4	05	4.9	17	33	13	05	23															
24	67	42	55	-5	46	50	10	0	RA				T	28.92	29.96	2.3	28	6.9	30	22	25	22	24															
25	72	51	62	2	54	57	3	0	TSRA BR HZ				0.35	28.61	29.63	1.9	25	5.3	33	29	29	28	25															
26	68	53	61	0	55	57	4	0	RA FG BCFG BR				0.14	28.69	29.71	2.7	35	5.1	21	01	17	01	26															
27	74	51	63	2	52	57	2	0	MIFG BR				0.00	28.94	29.97	5.2	05	6.1	20	02	15	02	27															
28	79	48	64	3	55	59	1	0	BR				0.00	28.98	30.01	3.9	25	5.1	21	26	17	25	28															
29	83	60	72*	10	60	64	0	7	RA HZ				T	28.94	29.96	4.5	26	6.6	22	27	20	24	29															
30	83*	59	71	9	60	63	0	6	TS RA VCTS				0.03	28.95	29.97	4.0	22	6.5	30	16	23	18	30															
< MONTHLY AVERAGES										TOTALS-->				5.95	28.94	29.97	1.2	02	7.2	<-- MONTHLY AVERAGES																		
1.8										3.4				2.6				<-----DEPARTURE FROM NORMAL----->										1.96	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.51				DATE: 08-09				SEA LEVEL PRESSURE				DATE TIME																
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.29				DATE TIME												
HEATING: 148 -79										3564 -58				GREATEST SNOW DEPTH:				MINIMUM				: 29.50				DATE TIME												
COOLING: 21 -6										21 -12				NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 13												
																		MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 10												
																						THUNDERSTORMS: 7				HEAVY FOG: 0				SNOWFALL ≥ 1.0 INCH: :								

APRIL 2003  
KNOXVILLE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## KNOXVILLE, TN

APRIL 2003

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												04		0.00		
05						0.31	0.13	T					05												05		0.44		
06													06		0.04				T	0.02	0.01	T	0.10	0.24	0.01	06	0.42	0.43	
07	0.02	0.15	0.21	0.09	0.04	0.01							07	T	T	T									07		0.52		
08							T	T					08	T	0.03	0.15	0.21	0.14	0.05	0.02	0.10	0.23	0.06	0.08	0.05	08		1.13	
09	0.07	0.07	0.03	0.05	T	T	0.08	0.07	0.01	T			09		T	T	0.05	0.05	0.03	T	0.01	0.03	0.02	0.01	09		0.58		
10	T	T	0.01	0.03	0.06	0.08	0.13	0.15	0.02	0.04	0.02	0.19	10	0.15	0.04	T	0.01	0.03	0.03	0.04	T	0.01	T		10		1.04		
11					T	0.02	0.05	T	T	T	T		11												11		0.07		
12													12												12		0.00		
13													13												13		0.00		
14													14												14		0.00		
15													15												15		0.00		
16													16												16		T		
17	T								T	0.01	0.06	0.01	17	0.16	0.07	0.19	0.09	0.06	T		0.02	0.25	0.11	0.02	0.01	17		1.06	
18	0.01	0.01											18												18		0.02		
19													19												19		0.00		
20													20												20		T		
21				0.02	T	0.03	0.07	0.01				0.01	21												21		0.14		
22													22												22		0.00		
23													23												23		0.00		
24													24				T	T							24		T		
25													25									T	0.14	0.21	25		0.35		
26			0.09	0.05							T	T	26			T									26		0.14		
27													27												27		0.00		
28													28												28		0.00		
29													29					T	T						29		T		
30	T	T	T	T									30				0.03							T	30		0.03		

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.21	.23	.24	.25	.28	.31	.34	.42	.44	.44	.47	.52
Ending Date	05	05	05	05	05	05	05	05	05	05	08	08
Ending Time (Hour/Min)	0516	0518	0522	0527	0541	0549	0611	0630	0635	0635	1629	1703

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 APRIL 2003

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							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							1.50	10.00	
06							3.00	10.00	
07							2.00	9.00	
08							1.25	10.00	
09							1.50	10.00	
10							1.50	10.00	
11							2.00	10.00	
12							.75	10.00	
13							5.00	10.00	
14							10.00	10.00	
15							8.00	10.00	
16							5.00	10.00	
17							1.00	10.00	
18							.50	10.00	
19							9.00	10.00	
20							7.00	10.00	
21							1.00	10.00	
22							10.00	10.00	
23							9.00	10.00	
24							9.00	10.00	
25							5.00	10.00	
26							.50	10.00	
27							2.00	10.00	
28							3.00	10.00	
29							6.00	10.00	
30							9.00	10.00	
<b>MONTHLY AVGS</b>							5.35	9.97	
<b>SUNSHINE (MINUTES)</b>									
Total:      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 0            13        12									

# OBSERVATIONS AT 3-HOURLY INTERVALS

## KNOXVILLE, TN

APRIL 2003

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 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: 0623				APR 01	SUNSET: 1857				SUNRISE: 0614				APR 07	SUNSET: 1902													
01	CLR	NC	10.00		42	26	36	53	12	23	29.19	30.24	01	BKN	050	5.00	-RA	BR	52	52	52	100	10	04	28.95	29.98	
04	CLR	NC	10.00		45	26	37	48	14	23	29.16	30.20	04	OVC	003	2.50	-RA	BR	52	52	52	100	7	05	28.91	29.95	
07	SCT	NC	10.00		46	28	39	50	9	23	29.19	30.24	07	OVC	100	3.00	BR		53	53	53	100	6	04	28.91	29.95	
10	FEW	NC	10.00		59	34	47	39	22	23	29.18	30.22	10	OVC	003	4.00	BR		57	56	56	96	3	06	28.95	29.99	
13	FEW	NC	10.00		67	42	54	41	18	21	29.13	30.17	13	OVC	042	8.00			61	58	59	90	0	00	28.94	29.98	
16	SCT	NC	10.00		70	43	56	38	20	22	29.06	30.10	16	OVC	038	8.00			64	61	62	90	0	00	28.92	29.96	
19	CLR	NC	10.00		66	40	53	39	15	22	29.05	30.09	19	BKN	250	6.00	BR		62	61	61	96	5	03	28.97	30.01	
22	CLR	NC	10.00		59	41	50	51	12	23	29.09	30.13	22	OVC	041	8.00			59	58	58	96	3	05	29.02	30.05	
SUNRISE: 0621				APR 02	SUNSET: 1858				SUNRISE: 0613				APR 08	SUNSET: 1902													
01	CLR	NC	10.00		56	40	48	55	9	21	29.12	30.15	01	BKN	037	10.00			58	57	57	97	7	05	29.03	30.06	
04	CLR	NC	10.00		51	41	46	69	9	22	29.12	30.15	04	OVC	250	10.00			55	54	54	96	8	03	28.98	30.02	
07	CLR	NC	10.00		54	42	48	64	9	24	29.18	30.21	07	OVC	047	10.00	-RA		55	53	54	93	3	09	29.02	30.05	
10	CLR	NC	10.00		63	45	53	52	15	21	29.19	30.22	10	OVC	029	10.00			57	54	55	90	5	06	28.99	30.02	
13	CLR	NC	10.00		69	41	54	36	18	23	29.13	30.16	13	OVC	007	6.00	BR		60	58	59	93	0	00	28.95	29.98	
16	CLR	NC	10.00		73	43	57	34	22	23	29.06	30.09	16	OVC	004	1.25	+RA	BR	59	59	59	100	3	19	28.91	29.94	
19	CLR	NC	10.00		68	43	55	41	16	24	29.03	30.06	19	OVC	004	3.00	-RA	BR	59	58	58	96	7	29	28.88	29.91	
22	CLR	NC	10.00		60	44	52	56	10	23	29.05	30.09	22	OVC	008	3.00	RA	BR	57	56	56	96	6	27	28.88	29.92	
SUNRISE: 0620				APR 03	SUNSET: 1859				SUNRISE: 0612				APR 09	SUNSET: 1903													
01	CLR	NC	10.00		60	43	51	53	13	24	29.04	30.07	01	OVC	004	2.50	RA	BR	56	55	55	97	6	27	28.85	29.88	
04	CLR	NC	10.00		57	45	51	64	10	23	29.05	30.08	04	OVC	008	5.00	RA	BR	48	47	47	96	13	36	28.86	29.89	
07	CLR	NC	10.00		54	46	50	75	9	25	29.10	30.13	07	OVC	018	5.00	-RA	BR	48	46	47	93	7	34	28.88	29.92	
10	OVC	039	10.00		65	48	56	54	13	24	29.12	30.15	10	OVC	008	7.00			49	46	47	90	10	04	28.87	29.90	
13	CLR	NC	10.00		69	52	59	55	14	24	29.05	30.08	13	OVC	011	10.00			51	48	50	89	7	03	28.83	29.86	
16	CLR	NC	10.00		73	52	61	48	15	25	28.94	29.97	16	OVC	013	3.00	-RA	BR	49	46	47	90	8	32	28.80	29.84	
19	SCT	NC	10.00		68	51	58	55	10	24	28.93	29.96	19	OVC	006	2.00	-RA	BR	44	43	44	96	12	33	28.83	29.86	
22	CLR	NC	10.00		62	50	55	65	12	23	28.96	29.99	22	OVC	008	2.00	-RA	BR	43	42	43	97	6	26	28.83	29.87	
SUNRISE: 0619				APR 04	SUNSET: 1860				SUNRISE: 0610				APR 10	SUNSET: 1904													
01	SCT	NC	10.00		59	49	54	69	8	24	28.94	29.96	01	OVC	009	3.00	-RA	BR	44	43	44	96	7	28	28.80	29.84	
04	SCT	NC	10.00		59	49	54	69	5	28	28.89	29.92	04	OVC	007	2.00	-RA	BR	44	43	44	96	8	02	28.76	29.80	
07	OVC	200	10.00		62	52	56	70	10	22	28.91	29.93	07	OVC	009	4.00	RA	BR	45	43	44	93	9	34	28.75	29.79	
10	OVC	028	10.00		67	58	62	73	18	23	28.92	29.95	10	OVC	025	7.00			47	44	46	90	13	02	28.75	29.79	
13	OVC	036	10.00		68	57	61	68	18	23	28.88	29.91	13	OVC	008	3.00	-RA	BR	44	43	44	96	5	07	28.73	29.77	
16	SCT	NC	10.00		72	58	63	61	18	23	28.81	29.83	16	OVC	019	10.00	-RA		46	43	45	89	12	36	28.71	29.75	
19	BKN	075	10.00		66	58	61	75	12	22	28.82	29.83	19	OVC	013	2.00	-RA	BR	45	45	45	100	3	06	28.73	29.77	
22	OVC	048	10.00		65	59	61	81	12	22	28.80	29.81	22	OVC	035	7.00	DZ		46	45	46	96	6	04	28.75	29.78	
SUNRISE: 0617				APR 05	SUNSET: 1901				SUNRISE: 0609				APR 11	SUNSET: 1905													
01	BKN	060	10.00		65	57	60	76	15	23	28.80	29.82	01	OVC	014	6.00	BR		46	45	46	96	0	00	28.73	29.77	
04	OVC	046	10.00		65	60	62	84	16	22	28.76	29.77	04	OVC	024	3.00	BR		47	46	46	97	0	00	28.72	29.75	
07	OVC	100	10.00	-RA	56	55	55	97	8	17	28.86	29.88	07	OVC	018	2.00	-RA	BR	47	46	46	97	5	02	28.78	29.82	
10	BKN	100	10.00		63	57	59	81	16	25	28.92	29.95	10	BKN	010	10.00			50	46	48	86	5	VR	28.80	29.84	
13	SCT	NC	10.00		69	53	60	57	10	25	28.94	29.96	13	OVC	024	10.00			52	45	48	77	5	30	28.79	29.83	
16	FEW	NC	10.00		72	45	57	38	13	28	28.93	29.96	16	BKN	037	10.00			57	47	52	69	7	05	28.79	29.82	
19	SCT	NC	10.00		66	37	52	34	7	32	28.99	30.02	19	SCT	NC	10.00			54	47	50	77	5	13	28.80	29.83	
22	FEW	NC	10.00		57	38	48	49	7	01	29.08	30.11	22	CLR	NC	10.00			49	46	47	90	0	00	28.86	29.90	
SUNRISE: 0616				APR 06	SUNSET: 1901				SUNRISE: 0608				APR 12	SUNSET: 1906													
01	CLR	NC	10.00		51	41	46	69	7	03	29.10	30.13	01	FEW	NC	5.00	BCFG		44	43	44	96	0	00	28.85	29.89	
04	SCT	NC	10.00		47	41	44	80	9	03	29.07	30.10	04	VV	001	0.75	BCFG		39	39	39	100	3	21	28.87	29.91	
07	BKN	250	10.00		45	40	43	83	8	02	29.08	30.12	07	FEW	NC	6.00	BCFG		40	40	40	100	3	16	28.91	29.96	
10	FEW	NC	10.00		54	43	48	67	7	03	29.11	30.14	10	CLR	NC	10.00			56	46	51	70	3	VR	28.95	29.99	
13	BKN	120	10.00		63	44	53	50	9	06	28.99	30.02	13	CLR	NC	10.00			67	44	55	44	3	VR	28.93	29.96	
16	OVC	060	10.00		57	50	53	78	7	02	29.00	30.04	16	CLR	NC	10.00			72	49	59	44	7	VR	28.87	29.90	
19	OVC	055	10.00	-RA	54	51	52	90	8	36	28.98	30.02	19	CLR	NC	10.00			67	49	57	53	6	23	28.88	29.92	
22	OVC	027	3.00	+RA BR	53	52	52	96	12	35	29.00	30.03	22	CLR	NC	10.00			65	45	54	49	5	32	28.94	29.97	

# OBSERVATIONS AT 3-HOURLY INTERVALS

## KNOXVILLE, TN

APRIL 2003

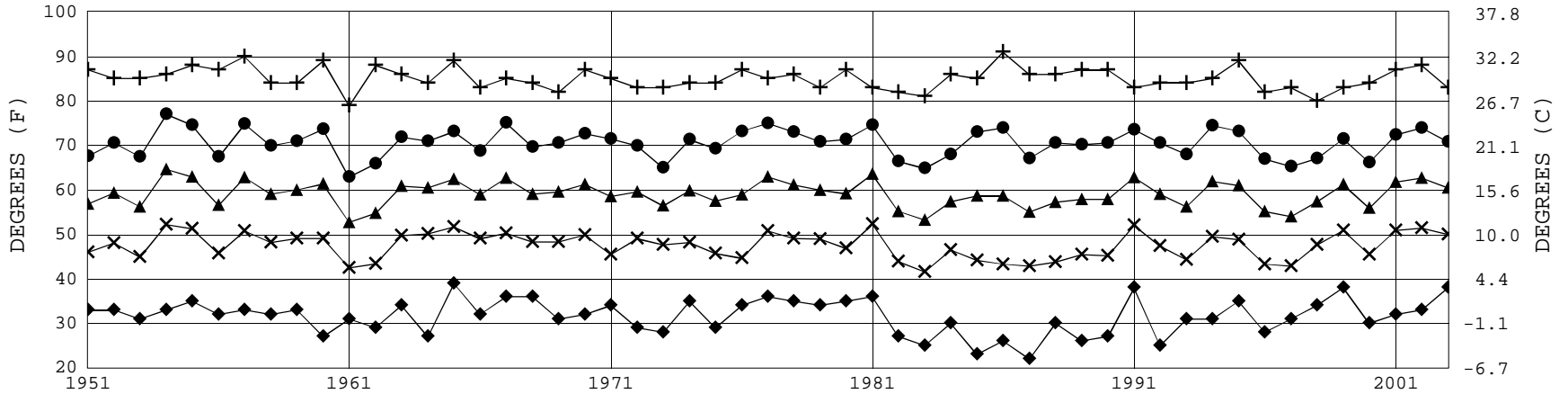
TYS

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)	
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL										
SUNRISE: 0606								APR 13								SUNSET: 1907															
01	CLR	NC				10.00		55	45	50	69	0	00	28.98	30.01	01	CLR	NC				10.00		56	53	54	90	8	04	29.06	30.09
04	CLR	NC				9.00		50	45	47	83	0	00	29.00	30.03	04	SCT	NC				10.00		54	52	53	93	8	02	29.09	30.12
07	CLR	NC				5.00	BR	46	45	46	96	0	00	29.07	30.10	07	BKN	250				10.00		52	51	52	97	5	04	29.12	30.16
10	CLR	NC				10.00		62	46	54	56	6	06	29.12	30.15	10	FEW	NC				10.00		62	55	58	78	0	00	29.16	30.19
13	CLR	NC				10.00		69	43	55	39	7	24	29.11	30.14	13	CLR	NC				10.00		72	60	65	66	0	00	29.09	30.12
16	CLR	NC				10.00		72	42	56	34	5	VR	29.08	30.11	16	SCT	NC				10.00		77	60	66	56	3	VR	29.05	30.08
19	CLR	NC				10.00		68	46	56	45	5	13	29.09	30.12	19	OVC	075				10.00		73	61	66	66	5	29	29.07	30.11
22	CLR	NC				10.00		59	48	53	67	0	00	29.14	30.17	22	CLR	NC				10.00		68	61	64	78	3	23	29.09	30.12
SUNRISE: 0605								APR 14								SUNSET: 1907															
01	CLR	NC				10.00		51	44	48	77	3	05	29.16	30.19	01	OVC	250				10.00		63	59	61	87	3	21	29.06	30.09
04	CLR	NC				10.00		43	43	43	100	5	06	29.18	30.22	04	OVC	250				10.00		63	57	59	81	8	27	29.05	30.08
07	CLR	NC				10.00		43	43	43	100	0	00	29.21	30.25	07	OVC	150				9.00		62	57	59	84	10	28	29.11	30.14
10	CLR	NC				10.00		63	49	55	60	0	00	29.25	30.29	10	SCT	NC				10.00		68	60	63	76	3	31	29.11	30.14
13	SCT	NC				10.00		75	51	61	43	7	31	29.21	30.25	13	BKN	034				10.00		73	64	67	74	13	26	29.07	30.10
16	SCT	NC				10.00		79	48	61	34	9	29	29.15	30.18	16	FEW	NC				7.00		74	65	68	74	15	27	29.03	30.05
19	FEW	NC				10.00		75	48	60	39	5	23	29.15	30.19	19	BKN	250				8.00		70	62	65	76	8	25	28.98	30.01
22	CLR	NC				10.00		66	49	57	54	0	00	29.18	30.21	22	OVC	095				8.00		67	63	64	87	9	24	29.00	30.02
SUNRISE: 0604								APR 15								SUNSET: 1908															
01	CLR	NC				10.00		59	47	53	64	5	30	29.17	30.20	01	OVC	250				9.00		66	59	62	78	5	28	28.94	29.96
04	FEW	NC				10.00		55	49	52	80	0	00	29.16	30.19	04	OVC	035				4.00	-RA BR	63	61	62	93	10	29	28.90	29.93
07	SCT	NC				8.00		51	50	51	96	0	00	29.20	30.23	07	OVC	030				2.00	-TSRA BR	63	62	62	97	9	27	28.90	29.92
10	SCT	NC				10.00		68	56	61	66	3	VR	29.21	30.24	10	OVC	034				10.00		68	64	66	87	14	23	28.88	29.91
13	SCT	NC				10.00		79	54	64	42	9	26	29.15	30.17	13	BKN	048				10.00		72	64	67	76	20	23	28.84	29.85
16	SCT	NC				10.00		80	53	64	39	10	25	29.06	30.08	16	SCT	NC				10.00		74	59	65	60	16	24	28.76	29.78
19	FEW	NC				10.00		73	55	62	53	6	24	29.01	30.04	19	FEW	NC				10.00		69	48	57	47	15	29	28.78	29.80
22	CLR	NC				10.00		66	53	59	63	7	23	29.02	30.05	22	OVC	075				10.00		61	50	55	67	8	23	28.84	29.85
SUNRISE: 0602								APR 16								SUNSET: 1909															
01	FEW	NC				10.00		63	50	56	63	0	00	29.00	30.02	01	OVC	080				10.00		60	48	54	65	10	29	28.84	29.86
04	SCT	NC				8.00		56	52	54	87	0	00	28.98	30.01	04	OVC	055				10.00		56	48	52	75	9	27	28.84	29.86
07	SCT	NC				6.00	BR	56	52	54	87	0	00	28.99	30.02	07	OVC	050				10.00		54	44	49	69	9	29	28.87	29.90
10	BKN	250				10.00		71	58	63	63	0	00	29.00	30.03	10	BKN	050				10.00		55	45	50	69	8	31	28.91	29.95
13	SCT	NC				10.00		78	55	64	45	13	24	28.95	29.97	13	OVC	038				10.00		56	44	50	65	10	29	28.91	29.95
16	BKN	250				10.00		77	57	65	50	14	22	28.87	29.88	16	BKN	060				10.00		59	42	50	54	0	00	28.89	29.93
19	BKN	250				10.00		73	56	63	55	7	26	28.83	29.85	19	BKN	060				10.00		56	43	49	62	9	03	28.93	29.97
22	BKN	260				10.00		66	53	59	63	6	20	28.87	29.88	22	BKN	060				10.00		50	42	46	74	6	06	28.98	30.02
SUNRISE: 0601								APR 17								SUNSET: 1910															
01	SCT	NC				10.00		65	52	58	63	9	22	28.83	29.84	01	CLR	NC				10.00		48	41	45	77	8	01	29.00	30.04
04	SCT	NC				10.00		63	53	57	70	7	24	28.80	29.81	04	BKN	031				10.00		45	41	43	86	8	36	29.01	30.05
07	BKN	180				10.00		66	54	59	65	7	18	28.79	29.80	07	CLR	NC				9.00		44	41	43	89	0	00	29.06	30.11
10	OVC	060				10.00	-RA	61	57	59	87	6	24	28.79	29.81	10	CLR	NC				10.00		53	41	47	64	6	05	29.09	30.13
13	OVC	040				2.50	-RA BR	59	59	59	100	3	23	28.79	29.81	13	CLR	NC				10.00		61	38	50	43	7	VR	29.06	30.10
16	OVC	035				3.00	-RA BR	59	59	59	100	8	10	28.78	29.80	16	CLR	NC				10.00		66	37	52	34	7	05	29.01	30.04
19	OVC	090				8.00		60	60	60	100	7	36	28.80	29.82	19	CLR	NC				10.00		62	40	51	44	6	10	28.98	30.03
22	OVC	050				4.00	-RA BR	58	58	58	100	7	14	28.86	29.88	22	CLR	NC				10.00		51	44	48	77	3	07	29.01	30.05
SUNRISE: 0560								APR 18								SUNSET: 1911															
01	OVC	085				7.00	-RA	57	57	57	100	0	00	28.88	29.91	01	CLR	NC				10.00		45	42	44	90	3	05	28.97	30.02
04	OVC	085				2.00	BR	56	56	56	100	5	02	28.89	29.93	04	SCT	NC				10.00		43	41	42	93	5	03	28.97	30.01
07	OVC	085				1.50	BR	57	57	57	100	5	01	28.93	29.97	07	BKN	250				10.00		45	43	44	93	0	00	28.99	30.03
10	BKN	080				10.00		64	60	62	87	8	05	28.98	30.01	10	OVC	250				10.00		56	44	50	65	0	00	29.07	30.11
13	SCT	NC				10.00		69	58	62	68	7	VR	28.98	30.01	13	BKN	100				10.00		62	47	54	58	7	24	28.91	29.95
16	BKN	050				10.00		70	58	63	66	7	05	28.96	30.00	16	OVC	250				10.00		65	50	57	59	10	25	28.88	29.92
19	FEW	NC				10.00		67	59	62	76	8	08	28.99	30.02	19	OVC	250				10.00		56	52	54	87	14	27	28.85	29.88
22	CLR	NC				10.00		61	56	58	84	8	03	29.04	30.07	22	OVC	250				10.00		53	50	51	89	6	23	28.87	29.90



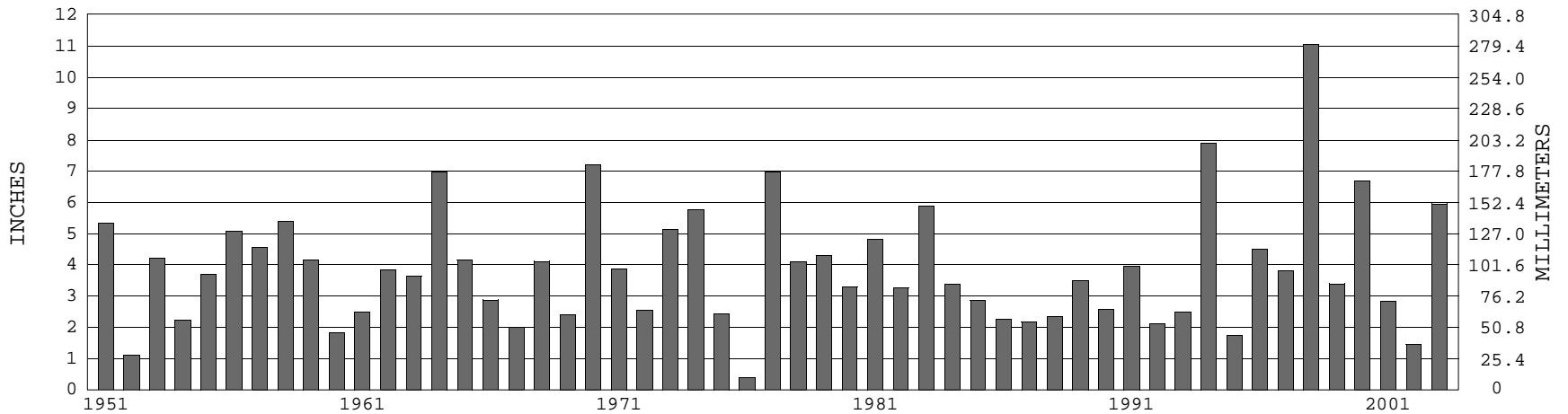
### KNOXVILLE, TN APRIL TEMPERATURES



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

Long-Term (1951-2003) Mean: 59.0      1961-1990 Normal: 57.8

### KNOXVILLE, TN APRIL PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 3.91

1961-1990 Normal: 3.99



APRIL 2003  
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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