



APRIL 2002

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

APRIL 2002
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																																																							
																			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	65	42	54	0	42	48	11	0	FG+ BR				0.00	28.98	30.02	0.8	29	2.3	12	23	9	25	01																																																					
02	78	40	59	5	44	51	6	0					0.00	28.91	29.94	6.6	24	8.0	26	25	23	24	02																																																					
03	64	40	52	-2	41	47	13	0	DZ				T	29.04	30.07	5.5	34	9.7	21	31	17	36	03																																																					
04	56	36	46	-8	26	38	19	0					0.00	29.20	30.26	9.0	03	10.0	24	08	20	08	04																																																					
05	59	36	48	-6	24	38	17	0					0.00	29.22	30.28	6.9	02	7.7	20	01	16	03	05																																																					
06	57	33*	45*	-10	25	38	20	0					0.00	29.21	30.27	3.8	02	5.7	22	02	17	02	06																																																					
07	69	34	52	-3	28	42	13	0					0.00	29.17	30.22	1.7	25	6.9	22	25	20	25	07																																																					
08	75	57	66	10	46	56	0	1					0.00	29.06	30.09	16.9	18	17.3	40	20	32	20	08																																																					
09	72	60	66	10	57	60	0	1	RA BR				0.29	29.11	30.14	5.5	26	8.8	29	25	25	24	09																																																					
10	75	53	64	8	51	57	1	0					0.00	29.23	30.27	6.8	04	7.5	20	05	17	04	10																																																					
11	80	54	67	11	54	60	0	2					0.00	29.21	30.24	1.5	21	5.2	22	18	18	19	11																																																					
12	76	56	66	9	57	61	0	1	RA BCFG BR				T	29.17	30.20	1.4	25	4.7	18	25	16	24	12																																																					
13	78	53	66	9	59	61	0	1	FG+ BCFG BR				0.00	29.11	30.14	2.3	24	4.1	17	25	14	27	13																																																					
14	76	60	68	11	60	63	0	3	RA				T	29.01	30.03	6.3	24	7.7	25	25	21	23	14																																																					
15	84	57	71	13	60	64	0	6	RA BR				T	29.03	30.05	2.3	26	3.7	18	25	13	28	15																																																					
16	86	63	75	16	62	67	0	10	BR				0.00	29.11	30.13	4.9	25	5.9	20	27	15	22	16																																																					
17	83	65	74	15	63	67	0	9					0.00	29.14	30.16	3.2	25	4.3	13	27	10	26	17																																																					
18	87	60	74	15	61	66	0	9	BCFG BR HZ				0.00	29.08	30.10	1.6	26	3.6	16	26	14	25	18																																																					
19	88*	65	77	18	62	67	0	12					0.00	29.02	30.04	6.2	24	6.8	22	24	17	25	19																																																					
20	87	68	78*	19	63	68	0	13	RA				T	28.94	29.95	5.5	24	6.1	22	27	16	25	20																																																					
21	86	67	77	17	63	68	0	12	HZ				0.00	28.85	29.85	13.4	23	13.7	30	22	25	22	21																																																					
22	76	53	65	5	46	55	0	0	TSRA RA BR				0.09	28.96	29.98	9.6	27	11.9	25	28	21	28	22																																																					
23	69	43	56	-4	41	49	9	0					0.00	29.11	30.15	3.3	04	4.4	15	03	10	36	23																																																					
24	63	46	55	-5	50	53	10	0	TS TSRA RA BR				0.18	29.04	30.08	3.1	04	5.7	20	03	17	18	24																																																					
25	67	49	58	-2	43	51	7	0	TSRA RA BR				0.69	29.11	30.15	5.3	34	8.7	28	36	23	17	25																																																					
26	60	41	51	-10	38	46	14	0	RA				T	29.21	30.26	3.7	04	5.0	14	09	12	09	26																																																					
27	69	50	60	-1	51	55	5	0	RA				T	29.08	30.12	2.5	28	5.6	16	18	14	18	27																																																					
28	84	63	74	13	63	66	0	9	RA				T	28.84	29.85	16.7	23	17.8	40*	24	32*	24	28																																																					
29	72	51	62	0	47	54	3	0					0.00	28.95	29.98	3.3	29	5.3	16	29	13	30	29																																																					
30	75	46	61	-1	51	55	4	0	RA BR				0.19	28.90	29.93	5.1	24	6.8	21	22	17	22	30																																																					
< MONTHLY AVERAGES											TOTALS->				1.44	29.07	30.10	2.5	26	7.4	<- MONTHLY AVERAGES																																																							
4.9											4.8		4.9		<-----DEPARTURE FROM NORMAL----->											-2.55				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																																														
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 0.87 DATE :24-25											SEA LEVEL PRESSURE DATE TIME																																																						
MONTHLY TOTAL DEPARTURE											SEASON TO DATE TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: DATE :											MAXIMUM MINIMUM : 30.35 05 0953																																											
HEATING: 152 -82											3213 -630											GREATEST SNOW DEPTH: DATE :											MINIMUM MINIMUM : 29.76 28 1553																																											
COOLING: 89 62											91 58											NUMBER OF DAYS WITH =>											MAXIMUM TEMP ≥ 90: 0											MINIMUM TEMP ≤ 32: 0											PRECIPITATION ≥ 0.01 INCH : 5																					
																																	MAXIMUM TEMP ≤ 32 : 0											MINIMUM TEMP ≤ 0 : 0											PRECIPITATION ≥ 0.10 INCH : 4																					
																																												THUNDERSTORMS : 3											HEAVY FOG : 2											SNOWFALL ≥ 1.0 INCH :										

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN

APRIL 2002

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											03		T		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09				0.01	0.14							09		0.29		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		T		
13													13												13		0.00		
14													14												14		T		
15													15												15		T		
16													16												16		0.00		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.00		
20													20												20		T		
21													21												21		0.00		
22													22												22		0.09		
23													23												23		0.00		
24													24												24		0.00		
25	0.49	0.22	0.01										25	T			0.02	0.05							25	0.15	0.18		
26													26												26		0.69		
27													27												27		T		
28													28												28		T		
29	T	T											29												29		T		
30													30												30	0.17	0.19		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.12	.16	.20	.26	.35	.49	.55	.65	.71	.74	.78	.79
Ending Date	09	25	25	25	25	25	25	25	25	25	25	25
Ending Time (Hour/Min)	1642	0037	0037	0036	0057	0059	0107	0111	0131	0142	0149	0202

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 2002

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							< .25	10.00	
02							9.00	10.00	
03							9.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							9.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							1.75	10.00	
10							8.00	10.00	
11							10.00	10.00	
12							6.00	10.00	
13							.25	10.00	
14							8.00	10.00	
15							5.00	10.00	
16							5.00	10.00	
17							7.00	10.00	
18							4.00	10.00	
19							8.00	10.00	
20							10.00	10.00	
21							6.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							3.00	10.00	
25							1.50	10.00	
26							10.00	10.00	
27							9.00	10.00	
28							6.00	10.00	
29							10.00	10.00	
30							2.50	10.00	
MONTHLY AVGS							7.00	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 1 6 18									

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

APRIL 2002

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	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
SUNRISE: 0623 APR 01 SUNSET: 1858																													
01	OVC	028		10.00	51	48	50	89	0	00	28.94	29.98	01	CLR	NC		10.00		38	26	33	62	7	06	29.21	30.27			
04	CLR	NC		10.00	48	46	47	93	0	00	28.95	29.99	04	CLR	NC		10.00		38	24	33	57	9	03	29.17	30.22			
07	BKN	001		0.25	44	43	44	96	7	33	29.02	30.07	07	CLR	NC		10.00		37	23	32	57	0	00	29.22	30.29			
10	SCT	NC		10.00	52	44	48	75	3	VR	29.06	30.11	10	CLR	NC		10.00		48	26	39	42	0	00	29.25	30.32			
13	FEW	NC		10.00	60	39	50	46	6	VR	29.03	30.07	13	FEW	NC		10.00		62	29	47	29	5	29	29.19	30.24			
16	SCT	NC		10.00	62	34	49	35	3	24	28.96	30.00	16	BKN	200		10.00		68	33	51	27	13	24	29.10	30.14			
19	CLR	NC		10.00	61	37	49	41	0	00	28.93	29.97	19	BKN	200		10.00		62	31	48	31	13	24	29.10	30.14			
22	CLR	NC		10.00	51	42	47	71	0	00	28.95	29.99	22	BKN	200		10.00		57	32	46	39	7	15	29.12	30.16			
SUNRISE: 0621 APR 02 SUNSET: 1858																													
01	CLR	NC		10.00	49	39	44	69	0	00	28.95	29.99	01	SCT	NC		10.00		58	35	47	42	7	15	29.09	30.12			
04	CLR	NC		10.00	41	39	40	93	5	06	28.95	29.99	04	BKN	200		10.00		59	43	51	56	16	19	29.10	30.13			
07	CLR	NC		10.00	42	39	41	89	0	00	28.98	30.02	07	SCT	NC		10.00		59	46	52	62	12	18	29.12	30.15			
10	CLR	NC		10.00	58	43	50	58	0	00	28.96	30.00	10	BKN	250		10.00		68	48	57	49	25	18	29.10	30.14			
13	CLR	NC		10.00	74	45	58	36	20	24	28.90	29.93	13	SCT	NC		10.00		73	48	59	41	24	18	29.08	30.10			
16	SCT	NC		10.00	77	46	60	33	18	24	28.83	29.85	16	BKN	250		10.00		73	46	58	38	20	19	29.03	30.05			
19	FEW	NC		10.00	72	45	57	38	12	25	28.84	29.87	19	BKN	250		10.00		72	47	58	41	17	18	28.97	30.00			
22	CLR	NC		10.00	65	46	55	51	6	24	28.87	29.90	22	OVC	095		10.00		71	48	58	44	16	18	29.00	30.03			
SUNRISE: 0620 APR 03 SUNSET: 1859																													
01	CLR	NC		9.00	61	49	54	65	9	26	28.87	29.88	01	OVC	060		10.00		67	53	59	61	17	23	29.03	30.05			
04	SCT	NC		10.00	62	51	56	67	12	24	28.86	29.87	04	OVC	085		10.00		64	55	59	73	8	18	29.01	30.03			
07	BKN	055		10.00	58	48	53	70	10	28	28.93	29.96	07	OVC	036		2.50	-RA BR	61	58	59	90	7	30	29.06	30.09			
10	OVC	020		10.00	54	43	48	67	9	36	29.02	30.05	10	OVC	006		5.00	BR	62	59	60	90	7	24	29.11	30.14			
13	OVC	024		10.00	49	41	45	74	14	36	29.09	30.13	13	BKN	040		10.00		69	60	64	73	14	23	29.11	30.13			
16	OVC	032		10.00	49	38	44	66	9	07	29.10	30.14	16	BKN	055		8.00		68	61	64	78	10	27	29.10	30.13			
19	FEW	NC		10.00	48	32	41	54	10	02	29.14	30.18	19	SCT	NC		10.00		65	59	61	81	0	00	29.15	30.19			
22	FEW	NC		10.00	43	28	37	56	12	01	29.20	30.24	22	OVC	058		10.00		62	54	57	75	9	36	29.22	30.26			
SUNRISE: 0618 APR 04 SUNSET: 1900																													
01	OVC	045		10.00	41	29	36	62	9	04	29.20	30.25	01	OVC	037		10.00		58	51	54	78	8	03	29.25	30.29			
04	FEW	NC		10.00	39	27	34	62	13	03	29.19	30.25	04	BKN	055		10.00		54	49	51	83	6	02	29.23	30.27			
07	SCT	NC		10.00	36	28	33	73	9	04	29.23	30.30	07	BKN	028		10.00		55	50	52	83	9	03	29.27	30.31			
10	SCT	NC		10.00	45	26	37	48	13	05	29.24	30.31	10	SCT	NC		10.00		64	52	57	65	10	05	29.28	30.32			
13	SCT	NC		10.00	52	26	41	37	10	03	29.22	30.28	13	FEW	NC		10.00		71	53	61	53	8	07	29.24	30.28			
16	SCT	NC		10.00	55	24	42	30	9	01	29.16	30.21	16	FEW	NC		10.00		75	52	62	45	10	04	29.18	30.21			
19	FEW	NC		10.00	53	25	41	34	6	02	29.17	30.22	19	SCT	NC		10.00		71	51	60	49	7	02	29.17	30.21			
22	BKN	140		10.00	50	25	40	38	15	01	29.20	30.25	22	OVC	065		10.00		67	50	57	55	5	06	29.21	30.25			
SUNRISE: 0617 APR 05 SUNSET: 1900																													
01	CLR	NC		10.00	44	25	37	47	8	01	29.21	30.27	01	BKN	080		10.00		64	54	58	70	3	27	29.23	30.26			
04	CLR	NC		10.00	40	25	34	55	0	00	29.21	30.27	04	FEW	NC		10.00		57	51	54	81	5	06	29.21	30.25			
07	FEW	NC		10.00	37	26	33	65	5	03	29.26	30.32	07	SCT	NC		10.00		56	51	53	84	3	07	29.25	30.29			
10	CLR	NC		10.00	48	27	39	44	8	04	29.29	30.35	10	FEW	NC		10.00		69	57	62	66	6	08	29.26	30.30			
13	CLR	NC		10.00	53	23	41	31	7	06	29.23	30.29	13	SCT	NC		10.00		75	58	65	55	3	20	29.22	30.25			
16	CLR	NC		10.00	57	23	43	27	8	05	29.17	30.22	16	BKN	110		10.00		75	57	64	54	6	27	29.16	30.19			
19	CLR	NC		10.00	53	18	39	25	10	02	29.18	30.23	19	BKN	110		10.00		72	59	64	64	7	24	29.15	30.18			
22	CLR	NC		10.00	46	21	36	37	8	36	29.21	30.27	22	SCT	NC		10.00		70	49	58	47	16	18	29.19	30.22			
SUNRISE: 0615 APR 06 SUNSET: 1901																													
01	CLR	NC		10.00	43	23	35	45	5	02	29.21	30.27	01	BKN	080		10.00		67	50	57	55	0	00	29.19	30.21			
04	CLR	NC		10.00	39	24	33	55	0	00	29.19	30.24	04	FEW	NC		10.00		60	52	56	75	0	00	29.17	30.20			
07	CLR	NC		9.00	35	27	32	72	0	00	29.22	30.28	07	BKN	250		10.00		60	53	56	78	3	35	29.21	30.24			
10	CLR	NC		10.00	50	26	40	39	3	VR	29.24	30.31	10	SCT	NC		10.00		71	54	61	55	3	VR	29.21	30.24			
13	CLR	NC		10.00	54	27	42	35	12	02	29.23	30.29	13	OVC	080		10.00		74	58	64	57	0	00	29.18	30.20			
16	CLR	NC		10.00	57	25	43	29	12	36	29.19	30.24	16	OVC	060		10.00		70	61	64	73	13	23	29.15	30.18			
19	CLR	NC		10.00	51	24	40	35	7	05	29.19	30.25	19	BKN	120		10.00		65	62	63	90	8	26	29.14	30.17			
22	CLR	NC		10.00	46	24	37	42	7	02	29.21	30.27	22	BKN	110		9.00		62	61	61	96	0	00	29.14	30.17			

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

APRIL 2002

TYS

WBAN # 13891

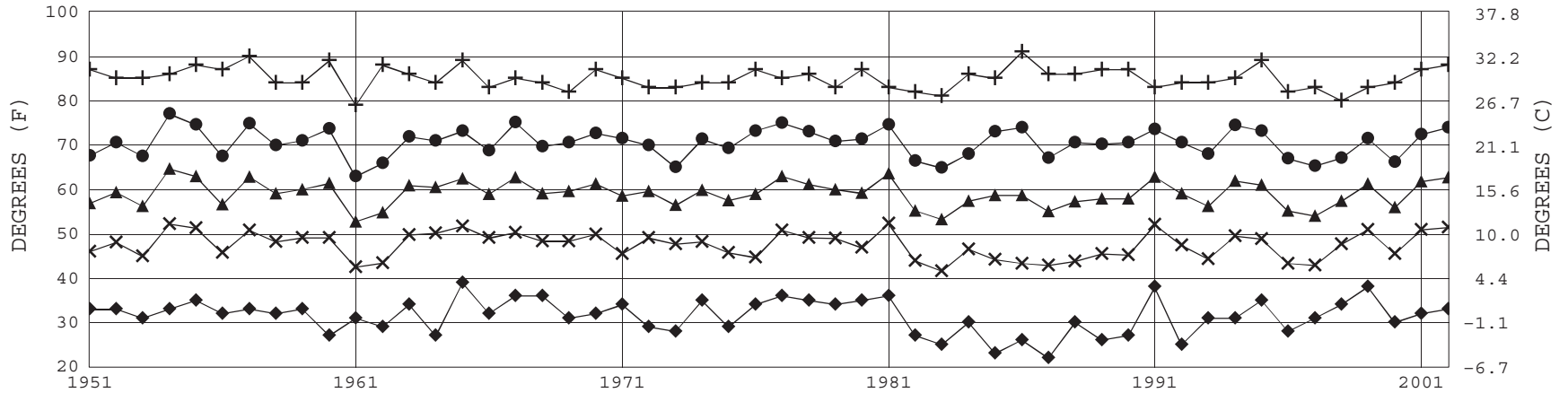
SATELLITE	TEMPERATURE		WIND		PRESSURE (INCHES,HG)		SATELLITE	TEMPERATURE		WIND		PRESSURE (INCHES,HG)			
	°F	(PCT)	(MPH)	(DEG)	(INCHES,HG)	(INCHES,HG)		°F	(PCT)	(MPH)	(DEG)	(INCHES,HG)	(INCHES,HG)		
SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Ok/as	VISIBILITY (MILES)	WEATHER	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
		SUNRISE: 0551		APR 25		SUNSET: 1917				SUNRISE:		APR 31		SUNSET:	
01	OVC 017		2.00		+TSRA BR	57	57	57	100	9	36	29.04	30.08		
04	BKN 075		10.00			59	58	58	96	7	28	28.97	30.00		
07	OVC 011		10.00			58	56	57	93	10	29	29.05	30.09		
10	SCT NC		10.00			58	43	50	58	12	32	29.17	30.21		
13	SCT NC		10.00			62	40	51	44	8	02	29.16	30.19		
16	FEW NC		10.00			65	33	50	31	6	27	29.12	30.15		
19	FEW NC		10.00			62	33	48	34	9	02	29.12	30.15		
22	BKN 250		10.00			54	33	44	45	6	03	29.19	30.23		
		SUNRISE: 0550		APR 26		SUNSET: 1918									
01	FEW NC		10.00			46	36	42	68	5	04	29.20	30.24		
04	SCT NC		10.00			44	36	40	73	7	02	29.18	30.23		
07	BKN 180		10.00			45	38	42	77	7	02	29.21	30.26		
10	OVC 250		10.00			55	36	46	49	9	05	29.24	30.29		
13	OVC 250		10.00			59	37	48	44	6	04	29.25	30.30		
16	OVC 080		10.00			59	36	48	42	5	07	29.20	30.24		
19	OVC 075		10.00			57	38	48	49	3	13	29.18	30.23		
22	OVC 075		10.00			55	44	50	67	6	22	29.21	30.25		
		SUNRISE: 0548		APR 27		SUNSET: 1919									
01	OVC 065		10.00			53	46	49	77	3	24	29.19	30.23		
04	BKN 070		10.00			51	48	50	89	3	06	29.16	30.20		
07	OVC 080		10.00			52	48	50	86	3	05	29.16	30.21		
10	SCT NC		10.00			61	45	53	56	5	01	29.14	30.18		
13	OVC 047		10.00			65	51	57	61	9	28	29.09	30.12		
16	OVC 046		10.00			68	55	60	63	6	32	29.03	30.06		
19	BKN 075		9.00		-RA	67	56	60	68	14	18	28.96	30.00		
22	OVC 200		10.00			64	57	60	78	6	23	28.95	29.98		
		SUNRISE: 0547		APR 28		SUNSET: 1919									
01	OVC 090		10.00		-RA	64	58	60	81	7	13	28.88	29.91		
04	OVC 047		8.00			69	61	64	76	17	23	28.88	29.91		
07	OVC 041		7.00			70	62	65	76	22	21	28.87	29.89		
10	OVC 090		7.00			70	65	67	84	22	23	28.87	29.90		
13	BKN 030		9.00			80	67	71	64	22	23	28.82	29.83		
16	BKN 110		10.00			79	65	70	62	22	24	28.76	29.76		
19	SCT NC		10.00			75	60	66	60	17	26	28.81	29.82		
22	SCT NC		10.00			67	61	63	81	9	23	28.84	29.85		
		SUNRISE: 0546		APR 29		SUNSET: 1920									
01	SCT NC		10.00			65	60	62	84	5	29	28.87	29.89		
04	SCT NC		10.00			56	48	52	75	5	27	28.90	29.92		
07	CLR NC		10.00			53	46	49	77	8	26	28.97	30.00		
10	SCT NC		10.00			58	46	52	65	0	00	28.99	30.02		
13	SCT NC		10.00			65	48	56	54	8	25	28.98	30.01		
16	SCT NC		10.00			71	45	57	39	5	VR	28.93	29.96		
19	SCT NC		10.00			68	46	56	45	3	VR	28.92	29.95		
22	SCT NC		10.00			56	49	52	77	3	04	28.98	30.01		
		SUNRISE: 0545		APR 30		SUNSET: 1921									
01	CLR NC		10.00			52	48	50	86	0	00	28.97	30.01		
04	CLR NC		10.00			49	46	47	90	3	07	28.96	29.99		
07	SCT NC		10.00			50	47	48	89	0	00	28.98	30.02		
10	BKN 250		10.00			64	50	56	61	5	16	28.97	30.00		
13	BKN 250		10.00			74	48	59	40	6	31	28.92	29.95		
16	OVC 250		10.00			72	52	60	50	14	27	28.84	29.86		
19	OVC 050		10.00			67	54	59	63	14	25	28.84	29.87		
22	OVC 050		10.00		-RA	61	58	59	90	17	19	28.75	29.77		

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)	DIRECTION	
							STATION	SEA LEVEL				
01			59	49	54	71	29.06	30.09	9.47	5	1	28
02			58	49	53	73	29.05	30.09	9.42	6	1	28
03			57	49	53	76	29.05	30.08	9.32	5	2	23
04			56	49	52	78	29.05	30.08	9.43	5	1	24
05			55	48	52	80	29.06	30.09	9.03	5	2	29
06			54	48	51	81	29.08	30.11	8.61	5	1	31
07			55	49	52	82	29.10	30.13	8.34	5	1	28
08			57	49	53	76	29.11	30.15	8.84	7	1	33
09			60	50	55	70	29.12	30.15	9.13	7	1	29
10			63	49	56	62	29.12	30.15	9.67	7	2	25
11			66	50	57	57	29.12	30.15	9.87	6	2	25
12			68	50	58	54	29.10	30.13	9.97	8	4	26
13			69	50	59	51	29.08	30.12	9.97	9	4	26
14			70	49	59	48	29.07	30.10	9.97	10	5	25
15			71	49	59	47	29.05	30.07	9.90	9	5	25
16			71	49	59	47	29.03	30.06	9.77	9	5	25
17			71	49	59	48	29.03	30.05	9.90	10	5	24
18			70	49	58	49	29.03	30.06	10.00	10	5	27
19			68	49	57	53	29.03	30.06	9.97	8	3	26
20			65	49	56	57	29.04	30.07	9.90	6	2	27
21			64	49	56	60	29.05	30.08	9.90	7	3	27
22			62	49	55	64	29.05	30.08	9.90	7	2	23
23			61	49	55	67	29.06	30.09	9.73	7	2	22
24			60	49	54	69	29.06	30.09	9.22	6	2	26

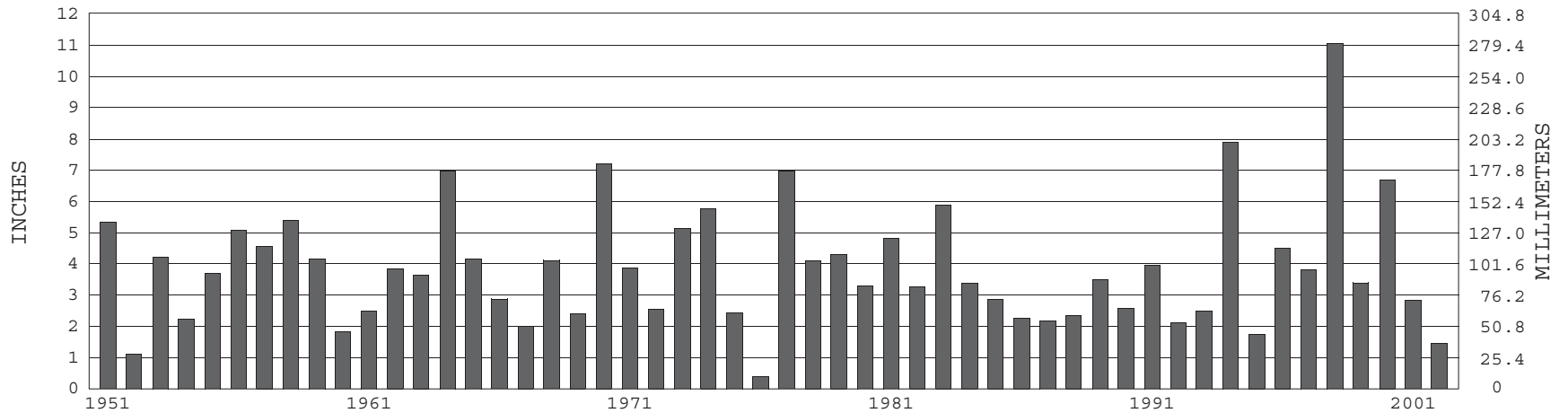
KNOXVILLE, TN APRIL TEMPERATURES



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

Long-Term (1951-2002) Mean: 59.0 1961-1990 Normal: 57.8

KNOXVILLE, TN APRIL PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 3.87

1961-1990 Normal: 3.99



APRIL 2002
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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