



MAY 2014 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

KNOXVILLE, TN
MC GHEE TYSON AIRPORT (KTYS)
Lat:35° 49'N Long: 83° 59'W Elev (Ground) 962 Feet
Time Zone : EASTERN WBAN: 13891 ISSN#: 0198-4810



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
01	65	49	57	-5	43	50	8	0		0		0.0	0.00	28.90	29.94	8.2	25	9.0	24	25	18	25	01	
02	67	43	55	-7	41	49	10	0		0		0.0	0.00	28.90	29.93	4.8	22	5.7	20	23	16	21	02	
03	74	46	60	-2	43	51	5	0		0		0.0	0.00	28.92	29.96	5.8	23	6.8	24	23	20	23	03	
04	84	51	68	6	48	57	0	3		0		0.0	0.00	28.97	29.99	8.2	22	8.6	25	24	20	21	04	
05	84	60	72	9	53	61	0	7		0		0.0	0.00	28.90	29.91	12.6	22	13.0	25	21	18	21	05	
06	83	60	72	9	54	61	0	7		0		0.0	0.00	28.89	29.92	6.3	22	6.5	19	22	16	21	06	
07	85	57	71	8	54	61	0	6		0		0.0	0.00	29.00	30.02	6.6	23	7.0	23	21	18	21	07	
08	86	56	71	8	55	62	0	6		0		0.0	0.00	29.08	30.10	6.9	24	7.4	33	29	24	23	08	
09	81	63	72	8	61	64	0	7	RA	0		0.0	0.04	29.02	30.04	7.3	21	7.9	32	21	24	18	09	
10	77	60	69	5	61	63	0	4	RA BCFG BR	0		0.0	0.17	29.00	30.04	6.1	21	7.3	35	22	28*	21	10	
11	84	58	71	7	62	65	0	6	FG+ FG BR	0		0.0	0.00	29.06		0.8	29	3.6	12	06	8	21	11	
12	87	62	75	11	63	67	0	10	BCFG	0		0.0	0.00	29.08	30.10	3.4	22	5.7	22	23	18	22	12	
13	86	64	75	10	65	68	0	10	TS RA VCTS	0		0.0	T	29.05	30.08	1.1	22	4.8	23	26	20	27	13	
14	90*	62	76	10	60	66	0	11	RA BCFG BR	0		0.0	0.39	28.98	29.99	5.6	19	8.2	29	20	24	19	14	
15	67	50	59	-7	52	55	6	0	RA DZ BR	0		0.0	0.14	28.92	29.97	8.3	27	9.4	29	17	22	28	15	
16	65	42*	54	-12	40	47	11	0	RA BCFG BR	0		0.0	0.01	29.01	30.06	7.3	25	8.3	32	23	24	27	16	
17	60	45	53*	-13	45	49	12	0	RA	0		0.0	T	29.11	30.17	4.7	21	5.9	24	20	20	21	17	
18	70	50	60	-7	49	53	5	0		0		0.0	0.00	29.14	30.19	0.3	28	5.6	17	02	14	03	18	
19	74	48	61	-6	49	55	4	0	FG+ FG BCFG BR	0		0.0	0.00	29.18	30.21	1.5	28	3.9		9		31	19	
20	82	51	67	0	55	60	0	2		0		0.0	0.00	29.11	30.14	8.0	22	8.6	30	20	25	24	20	
21	84	58	71	3	59	64	0	6		0		0.0	0.00	29.04	30.07	8.7	23	9.7	29	23	23	23	21	
22	86	63	75	7	62	66	0	10	TS RA GS VCTS	0		0.0	0.11	29.03	30.03	8.3	23	9.1	40*	30	25	30	22	
23	84	63	74	6	61	65	0	9	TS VCTS	0		0.0	0.00	29.02	30.04	3.3	33	5.8	19	35	14	32	23	
24	82	59	71	2	49	58	0	6		0		0.0	0.00	29.06	30.09	6.1	03	6.6	18	05	15	04	24	
25	76	55	66	-3	57	60	0	1	RA MIFG BCFG BR	0		0.0	0.12	29.08	30.12	1.3	03	3.1	16	15	12	14	25	
26	85	58	72	3	63	66	0	7	FG+ FG BCFG BR	0		0.0	0.00	29.10	30.13	4.3	24	4.8	18	22	15	24	26	
27	86	67	77	8	64	68	0	12		0		0.0	0.00	29.05	30.05	5.9	23	6.2	23	25	16	23	27	
28	89	65	77*	7	62	67	0	12	BR	0		0.0	0.00	28.98	30.00	3.8	23	4.9	27	23	21	21	28	
29	85	63	74	4	65	68	0	9	TS TSRA RA BR VCTS	0		0.0	0.24	28.98	30.01	1.3	04	3.3	15	23	13	18	29	
30	86	65	76	6	65	68	0	11	BCFG BR	0		0.0	0.00	29.01	30.03	1.3	04	3.8	19	04	16	04	30	
31	88	64	76	6	65	69	0	11		0		0.0	0.00	29.03	30.06	0.9	27	4.6	16	22	14	22	31	

80.1	56.7	68.4	☼	55.6	60.7	2.0	5.6	< MONTHLY AVERAGES TOTALS >				0.0	1.22	29.02	30.05	4.1	23	6.6	< MONTHLY AVERAGES			
2.0	0.5	1.2		-----DEPARTURE FROM NORMAL ----->										-3.29	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 0.53 DATE : 14-15				SEA LEVEL PRESSURE					
MONTHLY				GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.28 DATE 19 TIME 0953					
TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.83 DATE 15 TIME 0553					
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 1		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 8	
HEATING : 61		3		3797		164		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 6	
COOLING : 173		48		205		43		THUNDERSTORMS : 4		HEAVY FOG : 3		SNOWFALL >= 1.0 INCH : 0	

**MAY 2014
KNOXVILLE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
MAY 2014

WBAN # 13891

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.04	0.04	
10													10	0.01	T	T	T	0.04		T				10	0.17	0.17		
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13		T	T									13	T	T	
14													14												14	0.39	0.39	
15	0.04	0.04	T										15	T	T										15	0.14	0.14	
16													16			T									16	0.01	0.01	
17													17	T											17	T	T	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.11	0.11	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25													25		T	0.08	0.04	T							25	0.12	0.12	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29		0.05	0.18	0.01	T	T						29	0.24	0.24	
30													30												30	0.00	0.00	
31													31												31	0.00	0.00	

* Indicates sum of Hourly and Daily disagree.

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 (Hr/Min)												

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

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.

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).

WEATHER NOTATIONS

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

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

KNOXVILLE, TN MAY 2014

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

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.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Station Augmentation-CONTRACTOR ON AIRPORT
Lat/Lon:/ Elevation:
Distance:2200 FT Dir:W
Augmented Elements:Temp,Precip,Snow
Equipment:SRG, PSY, Snow Board, Snow stick

Date	VISIBILITY (MILES)		
	MINIMUM	MAXIMUM	
01	10.00	10.00	
02	10.00	10.00	
03	10.00	10.00	
04	10.00	10.00	
05	10.00	10.00	
06	10.00	10.00	
07	10.00	10.00	
08	10.00	10.00	
09	10.00	10.00	
10	5.00	10.00	
11	0.00	10.00	
12	7.00	10.00	
13	8.00	10.00	
14	3.00	10.00	
15	2.00	10.00	
16	4.00	10.00	
17	10.00	10.00	
18	9.00	10.00	
19	0.00	10.00	
20	10.00	10.00	
21	10.00	10.00	
22	10.00	10.00	
23	10.00	10.00	
24	10.00	10.00	
25	4.00	10.00	
26	0.00	10.00	
27	7.00	10.00	
28	5.00	10.00	
29	6.00	10.00	
30	6.00	10.00	
31	9.00	10.00	
AVGS	7.26	10.00	
MINIMUM VISIBILITY (MILES)			
	<= .25	<= 3.0	>= 7.0
	3	5	20

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN MAY 2014 KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					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: 0544					MAY 01					SUNSET: 1922					SUNRISE: 0538					MAY 07					SUNSET: 1927				
01	BKN	080	10.00		56	53	54	90	11	26	28.89	29.91	01	CLR	NC	10.00		67	54	59	63	5	21	28.93	29.95				
04	OVC	065	10.00		53	49	51	86	9	22	28.89	29.93	04	CLR	NC	10.00		60	55	57	84	0	00	28.96	29.98				
07	OVC	080	10.00		53	47	50	80	8	26	28.93	29.97	07	SCT	250	10.00		61	55	58	81	0	00	29.03	30.05				
10	BKN	045	10.00		57	43	50	60	14	23	28.95	29.99	10	BKN	250	10.00		77	57	65	50	13	23	29.05	30.07				
13	BKN	250	10.00		61	40	50	46	11	25	28.93	29.96	13	BKN	250	10.00		82	51	64	34	14	21	29.02	30.04				
16	SCT	250	10.00		64	41	52	43	13	21	28.88	29.91	16	BKN	250	10.00		84	55	66	37	13	26	28.99	30.01				
19	CLR	NC	10.00		62	36	49	38	7	27	28.87	29.91	19	FEW	250	10.00		76	52	62	43	10	22	29.00	30.02				
22	CLR	NC	10.00		56	38	47	51	5	26	28.93	29.97	22	CLR	NC	10.00		71	52	60	51	5	24	29.03	30.05				
SUNRISE: 0543					MAY 02					SUNSET: 1923					SUNRISE: 0537					MAY 08					SUNSET: 1928				
01	CLR	NC	10.00		49	40	45	71	0	00	28.92	29.96	01	CLR	NC	10.00		64	52	57	65	8	23	29.04	30.06				
04	CLR	NC	10.00		47	40	44	77	0	00	28.92	29.96	04	CLR	NC	10.00		62	50	55	65	5	23	29.08	30.10				
07	SCT	250	10.00		46	42	44	86	3	15	28.95	29.99	07	FEW	250	10.00		61	54	57	78	0	00	29.13	30.16				
10	SCT	200	10.00		59	37	48	44	0	00	28.92	29.96	10	FEW	250	10.00		78	58	66	50	8	22	29.14	30.15				
13	BKN	250	10.00		65	40	52	40	9	23	28.89	29.92	13	BKN	250	10.00		85	57	67	39	14	21	29.10	30.12				
16	BKN	250	10.00		65	41	53	42	9	21	28.84	29.87	16	BKN	250	10.00		85	51	65	31	17	27	29.04	30.06				
19	OVC	250	10.00		61	42	51	50	8	21	28.82	29.86	19	OVC	250	10.00		77	58	65	52	6	22	29.05	30.07				
22	OVC	080	10.00		60	39	50	46	7	27	28.87	29.91	22	OVC	200	10.00		74	59	65	60	0	00	29.07	30.08				
SUNRISE: 0542					MAY 03					SUNSET: 1923					SUNRISE: 0536					MAY 09					SUNSET: 1929				
01	SCT	080	10.00		54	41	48	62	3	15	28.90	29.93	01	BKN	250	10.00		68	59	63	73	0	00	29.05	30.06				
04	FEW	080	10.00		49	42	46	77	0	00	28.92	29.96	04	OVC	250	10.00		68	58	62	70	0	00	29.03	30.04				
07	CLR	NC	10.00		49	44	47	83	3	20	28.95	29.99	07	BKN	250	10.00		70	58	63	66	0	00	29.03	30.04				
10	FEW	050	10.00		63	42	52	47	7	VR	28.96	29.99	10	BKN	150	10.00		78	59	66	52	20	23	29.04	30.06				
13	FEW	060	10.00		69	43	55	39	11	23	28.93	29.96	13	OVC	180	10.00		73	64	67	74	11	20	29.01	30.03				
16	FEW	050	10.00		73	43	57	34	15	23	28.88	29.91	16	OVC	100	10.00	-RA	69	63	65	81	18	20	28.99	30.01				
19	FEW	050	10.00		71	40	55	32	9	25	28.90	29.93	19	OVC	150	10.00		66	61	63	84	9	24	28.99	30.02				
22	CLR	NC	10.00		62	42	52	48	5	24	28.96	29.99	22	OVC	250	10.00		65	62	63	90	8	27	29.03	30.06				
SUNRISE: 0541					MAY 04					SUNSET: 1924					SUNRISE: 0535					MAY 10					SUNSET: 1929				
01	CLR	NC	10.00		58	44	51	60	3	21	28.98	30.01	01	OVC	200	8.00		61	61	61	100	0	00	29.02	30.04				
04	CLR	NC	10.00		56	44	50	65	0	00	28.98	30.01	04	OVC	250	10.00		61	60	60	97	0	00	29.00	30.03				
07	CLR	NC	10.00		54	48	51	80	0	00	29.02	30.05	07	OVC	250	10.00		61	60	60	97	0	00	29.02	30.05				
10	CLR	NC	10.00		71	49	59	46	13	21	29.02	30.04	10	OVC	060	7.00	-RA	65	62	63	90	6	16	29.06	30.09				
13	CLR	NC	10.00		79	49	62	35	13	28	28.97	30.00	13	BKN	095	10.00		68	62	64	81	10	19	29.01	30.04				
16	CLR	NC	10.00		82	52	64	35	14	21	28.91	29.93	16	SCT	250	10.00		76	60	66	58	22	20	28.94	29.96				
19	CLR	NC	10.00		77	49	61	37	9	24	28.90	29.92	19	OVC	095	7.00	-RA	65	62	63	90	14	18	28.98	30.01				
22	CLR	NC	10.00		66	49	57	54	8	23	28.92	29.94	22	CLR	NC	10.00		62	61	61	96	3	29	29.03	30.06				
SUNRISE: 0540					MAY 05					SUNSET: 1925					SUNRISE: 0534					MAY 11					SUNSET: 1930				
01	CLR	NC	10.00		66	50	57	56	9	25	28.94	29.96	01	VV	001	0.25	FG	58	58	58	100	3	07	29.04	30.07				
04	CLR	NC	10.00		63	50	56	63	9	23	28.94	29.96	04	VV	002	0.50	FG	59	59	59	100	0	00	29.05	30.08				
07	SCT	250	10.00		66	52	58	61	11	21	28.96	29.98	07	VV	001	0.00	FG	59	59	59	100	3	08	29.10	30.14				
10	SCT	250	10.00		76	54	63	47	15	22	28.96	29.98	10	BKN	016	8.00		70	62	65	76	3	31	29.13	30.16				
13	FEW	250	10.00		82	54	65	38	17	22	28.91	29.93	13	FEW	025	10.00		79	65	70	62	7	36	29.10	30.13				
16	FEW	250	10.00		84	55	66	37	18	22	28.84	29.84	16	FEW	045	10.00		84	63	70	49	5	32	29.03	30.05				
19	SCT	250	10.00		76	53	62	45	11	21	28.82	29.83	19	FEW	045	10.00		79	62	68	56	7	26	29.02	30.04				
22	SCT	200	10.00		68	53	59	59	10	22	28.84	29.86	22	BKN	120	10.00		73	63	67	71	0	00	29.07	30.09				
SUNRISE: 0539					MAY 06					SUNSET: 1926					SUNRISE: 0533					MAY 12					SUNSET: 1931				
01	CLR	NC	10.00		65	52	58	63	7	24	28.87	29.88	01	CLR	NC	10.00		68	63	65	84	3	25	29.07	30.09				
04	CLR	NC	10.00		62	52	56	70	3	20	28.88	29.91	04	SCT	250	10.00		65	62	63	90	0	00	29.06	30.08				
07	BKN	250	10.00		64	55	59	73	0	00	28.93	29.96	07	BKN	250	8.00		66	64	65	93	0	00	29.12	30.14				
10	FEW	250	10.00		76	55	63	48	10	22	28.94	29.96	10	SCT	180	10.00		77	65	69	66	3	VR	29.14	30.16				
13	FEW	250	10.00		80	55	65	42	8	21	28.90	29.92	13	BKN	250	10.00		83	64	71	53	13	23	29.11	30.13				
16	SCT	250	10.00		83	53	65	36	14	22	28.86	29.88	16	SCT	250	10.00		87	60	70	40	15	21	29.05	30.07				
19	CLR	NC	10.00		77	55	64	47	7	21	28.87	29.88	19	BKN	250	10.00		82	61	69	49	7	25	29.05	30.07				
22	CLR	NC	10.00		69	54	60	59	5	19	28.91	29.93	22	BKN	250	10.00		73	64	67	74	6	06	29.07	30.09				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN MAY 2014 KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					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: 0533					MAY 13					SUNSET: 1932					SUNRISE: 0528					MAY 19					SUNSET: 1937				
01	BKN	250	10.00		71	64	67	79	0	00	29.05	30.06	01	CLR	NC	10.00		52	50	51	93	0	00	29.15	30.20				
04	SCT	250	10.00		65	63	64	93	5	05	29.06	30.07	04	BKN	024	10.00		51	50	50	96	0	00	29.18	30.22				
07	SCT	060	8.00		68	65	66	90	0	00	29.10	30.11	07	OVC	001	0.00	FG	51	51	51	100	3	08	29.23	30.27				
10	FEW	250	10.00		81	65	70	58	8	22	29.10	30.11	10	BKN	012	10.00		61	54	57	78	3	35	29.23	30.28				
13	BKN	110	10.00		84	63	70	49	14	24	29.06	30.08	13	SCT	250	10.00		71	47	58	42	7	02	29.19	30.23				
16	BKN	250	10.00		82	64	70	55	7	VR	29.03	30.05	16	BKN	250	10.00		73	46	58	38	9	31	29.15	30.18				
19	BKN	250	10.00		78	67	71	69	7	12	29.03	30.05	19	BKN	250	10.00		70	47	57	44	7	26	29.14	30.17				
22	SCT	250	10.00		70	67	68	90	6	05	29.07	30.08	22	BKN	250	10.00		62	49	55	62	5	21	29.13	30.16				
SUNRISE: 0532					MAY 14					SUNSET: 1933					SUNRISE: 0527					MAY 20					SUNSET: 1937				
01	OVC	070	10.00		68	66	67	93	3	02	29.06	30.08	01	SCT	250	10.00		56	50	53	81	0	00	29.13	30.16				
04	BKN	250	8.00		65	64	64	97	0	00	29.04	30.05	04	SCT	250	10.00		52	50	51	93	0	00	29.15	30.19				
07	SCT	250	5.00	BCFG BR	65	64	64	97	0	00	29.05	30.07	07	SCT	250	10.00		58	51	54	78	3	02	29.21	30.24				
10	FEW	250	10.00		81	61	68	51	10	20	29.04	30.05	10	FEW	250	10.00		68	55	60	63	3	VR	29.18	30.22				
13	BKN	250	10.00		85	58	68	40	11	16	28.95	29.97	13	BKN	250	10.00		79	60	67	52	16	22	29.12	30.15				
16	BKN	250	10.00		85	50	64	30	20	21	28.87	29.89	16	BKN	250	10.00		81	57	66	44	17	22	29.07	30.09				
19	OVC	250	10.00		77	55	64	47	6	17	28.89	29.91	19	BKN	250	10.00		76	58	65	54	14	22	29.03	30.06				
22	OVC	100	4.00	RA BR	66	65	65	96	7	26	28.92	29.94	22	CLR	NC	10.00		69	57	62	66	8	22	29.05	30.07				
SUNRISE: 0531					MAY 15					SUNSET: 1933					SUNRISE: 0527					MAY 21					SUNSET: 1938				
01	OVC	110	9.00	-RA	65	63	64	93	10	22	28.86	29.88	01	CLR	NC	10.00		66	55	60	68	5	22	29.04	30.06				
04	OVC	100	10.00		64	63	63	96	5	23	28.84	29.85	04	CLR	NC	10.00		64	55	59	73	3	28	29.07	30.09				
07	OVC	008	3.00	-RA BR	61	59	60	93	18	28	28.85	29.87	07	BKN	250	10.00		65	57	60	76	7	23	29.10	30.12				
10	OVC	047	3.00	-RA BR	55	53	54	93	14	27	28.95	29.98	10	SCT	180	10.00		78	61	67	56	18	21	29.09	30.11				
13	OVC	028	6.00	DZ BR	55	51	53	87	10	27	28.98	30.02	13	BKN	180	10.00		82	61	69	49	20	24	29.06	30.07				
16	OVC	044	10.00		60	47	53	62	8	28	28.97	30.01	16	BKN	250	10.00		83	60	68	46	13	24	29.01	30.03				
19	BKN	065	10.00		57	45	51	64	7	29	28.99	30.02	19	FEW	050	10.00		79	59	66	50	10	22	28.98	30.00				
22	BKN	055	10.00		53	45	49	74	3	32	29.03	30.08	22	FEW	250	10.00		72	59	64	64	5	27	29.06	30.07				
SUNRISE: 0530					MAY 16					SUNSET: 1934					SUNRISE: 0526					MAY 22					SUNSET: 1939				
01	BKN	050	10.00		49	44	47	83	5	22	29.03	30.07	01	OVC	250	10.00		71	58	63	63	5	24	29.03	30.04				
04	CLR	NC	10.00		46	44	45	93	0	00	28.98	30.02	04	OVC	250	10.00		65	59	61	81	5	23	29.02	30.04				
07	SCT	001	4.00	BCFG BR	45	44	45	97	0	00	29.00	30.04	07	BKN	250	10.00		67	60	63	79	7	22	29.08	30.10				
10	OVC	048	10.00		51	47	49	86	14	28	29.03	30.07	10	FEW	250	10.00		78	63	68	60	18	23	29.01	30.02				
13	BKN	036	10.00		60	45	52	58	14	23	28.99	30.03	13	SCT	045	10.00		83	62	69	49	13	24	29.01	30.03				
16	SCT	085	10.00		62	35	49	37	17	25	28.97	30.01	16	OVC	070	10.00		83	65	71	55	9	24	28.98	29.99				
19	FEW	075	10.00		58	32	46	38	14	26	29.03	30.07	19	OVC	250	10.00	VCTS	81	67	72	62	8	26	28.99	30.01				
22	FEW	250	10.00		48	35	42	61	6	22	29.09	30.14	22	SCT	250	10.00		66	63	64	90	3	25	29.03	30.05				
SUNRISE: 0529					MAY 17					SUNSET: 1935					SUNRISE: 0525					MAY 23					SUNSET: 1940				
01	BKN	250	10.00		47	38	43	71	0	00	29.07	30.11	01	SCT	250	10.00		63	61	62	93	7	20	29.00	30.02				
04	OVC	100	10.00		46	41	44	83	0	00	29.10	30.14	04	BKN	250	10.00		64	61	62	90	3	36	29.00	30.02				
07	BKN	250	10.00		49	42	46	77	3	27	29.12	30.16	07	SCT	050	10.00		66	63	64	90	8	01	29.05	30.07				
10	OVC	090	10.00		53	45	49	74	3	19	29.15	30.19	10	BKN	250	10.00		76	64	68	67	5	05	29.05	30.07				
13	OVC	100	10.00		57	45	51	64	16	22	29.15	30.19	13	BKN	250	10.00		82	61	69	49	10	28	29.03	30.05				
16	BKN	039	10.00		60	49	54	67	14	21	29.12	30.16	16	BKN	250	10.00		83	61	69	48	10	29	29.00	30.02				
19	BKN	034	10.00		56	48	52	75	10	22	29.12	30.16	19	BKN	250	10.00		79	60	67	52	8	36	28.99	30.01				
22	OVC	070	10.00		53	48	50	83	5	25	29.16	30.22	22	CLR	NC	10.00		69	58	62	68	3	07	29.04	30.06				
SUNRISE: 0529					MAY 18					SUNSET: 1936					SUNRISE: 0525					MAY 24					SUNSET: 1940				
01	BKN	200	10.00		51	49	50	92	3	06	29.15	30.19	01	FEW	250	10.00		63	56	59	78	3	07	29.04	30.06				
04	OVC	200	10.00		52	49	50	89	3	03	29.15	30.19	04	SCT	250	10.00		61	53	57	75	8	03	29.05	30.07				
07	OVC	200	10.00		51	48	49	89	7	04	29.16	30.21	07	BKN	200	10.00		61	53	57	75	7	02	29.10	30.13				
10	BKN	250	10.00		58	47	52	67	7	03	29.18	30.23	10	BKN	250	10.00		71	50	59	47	11	07	29.12	30.14				
13	SCT	043	10.00		64	47	55	54	5	19	29.15	30.19	13	SCT	250	10.00		78	45	60	31	8	02	29.08	30.10				
16	BKN	065	10.00		66	43	54	43	6	31	29.13	30.16	16	BKN	250	10.00		81	43	60	26	6	35	29.04	30.06				
19	FEW	060	10.00		63	52	57	68	9	22	29.12	30.16	19	BKN	250	10.00		78	49	61	36	6	35	29.03	30.05				
22	CLR	NC	10.00		55	51	53	87	5	21	29.15	30.20	22	SCT	250	10.00		64	53	58	68	3	06	29.07	30.09				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

MAY 2014

KTYS

WBAN # 13891

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	
SUNRISE: 0524					MAY 25					SUNSET: 1941			
01	SCT	250	10.00		63	51	56	65	6	05	29.06	30.08	
04	BKN	200	10.00		57	52	54	83	0	00	29.06	30.08	
07	SCT	250	10.00		57	53	55	87	0	00	29.10	30.13	
10	BKN	150	10.00		72	54	61	53	0	00	29.12	30.14	
13	SCT	090	10.00		75	56	64	52	3	24	29.12	30.14	
16	BKN	090	10.00	-RA	67	63	65	87	10	13	29.09	30.12	
19	SCT	180	10.00		70	64	66	82	3	01	29.06	30.09	
22	FEW	150	10.00		65	63	64	93	5	04	29.09	30.11	
SUNRISE: 0524					MAY 26					SUNSET: 1942			
01	OVC	001	0.00	FG	62	62	62	100	0	00	29.08	30.11	
04	SCT	120	3.00	BR	60	59	59	96	0	00	29.12	30.15	
07	BKN	250	7.00		63	61	62	93	0	00	29.15	30.17	
10	FEW	250	10.00		75	64	68	69	5	24	29.15	30.18	
13	SCT	150	10.00		82	65	71	56	7	VR	29.13	30.15	
16	BKN	250	10.00		83	64	71	53	11	26	29.07	30.09	
19	BKN	250	10.00		78	64	69	62	6	23	29.05	30.08	
22	CLR	NC	10.00		70	64	66	82	5	25	29.08	30.11	
SUNRISE: 0523					MAY 27					SUNSET: 1943			
01	OVC	150	10.00		70	65	67	84	0	00	29.08	30.09	
04	SCT	120	10.00		69	65	66	87	0	00	29.07	30.08	
07	BKN	250	7.00		70	66	67	87	0	00	29.09	30.10	
10	OVC	250	10.00		79	65	70	62	13	22	29.08	30.10	
13	OVC	200	10.00		84	64	71	51	10	23	29.04	30.05	
16	BKN	200	10.00		85	62	70	46	11	24	28.97	29.99	
19	OVC	250	10.00		78	63	68	60	9	22	28.99	30.01	
22	BKN	250	10.00		73	63	67	71	3	27	29.01	30.02	
SUNRISE: 0523					MAY 28					SUNSET: 1943			
01	BKN	250	9.00		69	64	66	84	0	00	29.00	30.01	
04	OVC	250	6.00	BR	65	63	64	93	3	03	28.98	30.00	
07	FEW	250	5.00	BR	67	63	65	87	0	00	29.01	30.03	
10	SCT	250	10.00		80	65	70	60	10	23	29.03	30.04	
13	SCT	250	10.00		83	61	69	48	8	20	28.99	30.00	
16	BKN	250	10.00		88	57	68	35	14	25	28.94	29.96	
19	BKN	250	10.00		79	60	67	52	6	22	28.95	29.97	
22	BKN	250	10.00		74	62	66	67	0	00	28.99	30.00	
SUNRISE: 0522					MAY 29					SUNSET: 1944			
01	BKN	250	10.00		70	63	66	79	0	00	28.97	29.99	
04	CLR	NC	10.00		64	62	63	93	5	06	28.96	29.97	
07	FEW	250	9.00		67	63	65	87	3	04	29.01	30.03	
10	SCT	250	10.00		80	64	70	58	3	VR	29.02	30.04	
13	BKN	180	10.00		83	62	69	49	6	33	28.99	30.00	
16	BKN	110	10.00	-RA	70	67	68	90	3	11	28.99	30.01	
19	OVC	250	10.00		72	69	70	91	3	08	28.98	30.00	
22	OVC	250	10.00		70	68	69	93	5	04	29.01	30.03	
SUNRISE: 0522					MAY 30					SUNSET: 1945			
01	OVC	250	10.00		69	66	67	90	3	36	29.01	30.02	
04	BKN	250	10.00		67	65	66	93	0	00	29.00	30.03	
07	BKN	250	6.00	BR	68	66	67	93	5	07	29.03	30.05	
10	BKN	250	10.00		76	67	70	74	0	00	29.06	30.08	
13	BKN	250	10.00		83	66	72	57	6	VR	29.03	30.04	
16	SCT	180	10.00		85	62	70	46	7	05	28.98	29.99	
19	OVC	250	10.00		81	65	70	58	5	06	29.00	30.01	
22	BKN	250	10.00		74	64	68	71	3	27	29.03	30.05	

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	
SUNRISE: 0522					MAY 31					SUNSET: 1945			
01	BKN	250	10.00		69	64	66	84	3	23	29.05	30.07	
04	BKN	200	10.00		67	64	65	91	0	00	29.05	30.06	
07	SCT	200	10.00		68	65	66	90	0	00	29.08	30.10	
10	FEW	080	10.00		79	65	70	62	0	00	29.08	30.10	
13	BKN	095	10.00		85	65	72	51	3	VR	29.03	30.05	
16	SCT	050	10.00		86	64	71	48	10	05	28.98	29.99	
19	OVC	060	10.00		78	66	70	67	14	22	29.00	30.02	
22	BKN	060	10.00		74	67	69	79	7	22	29.06	30.07	

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, W = 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.

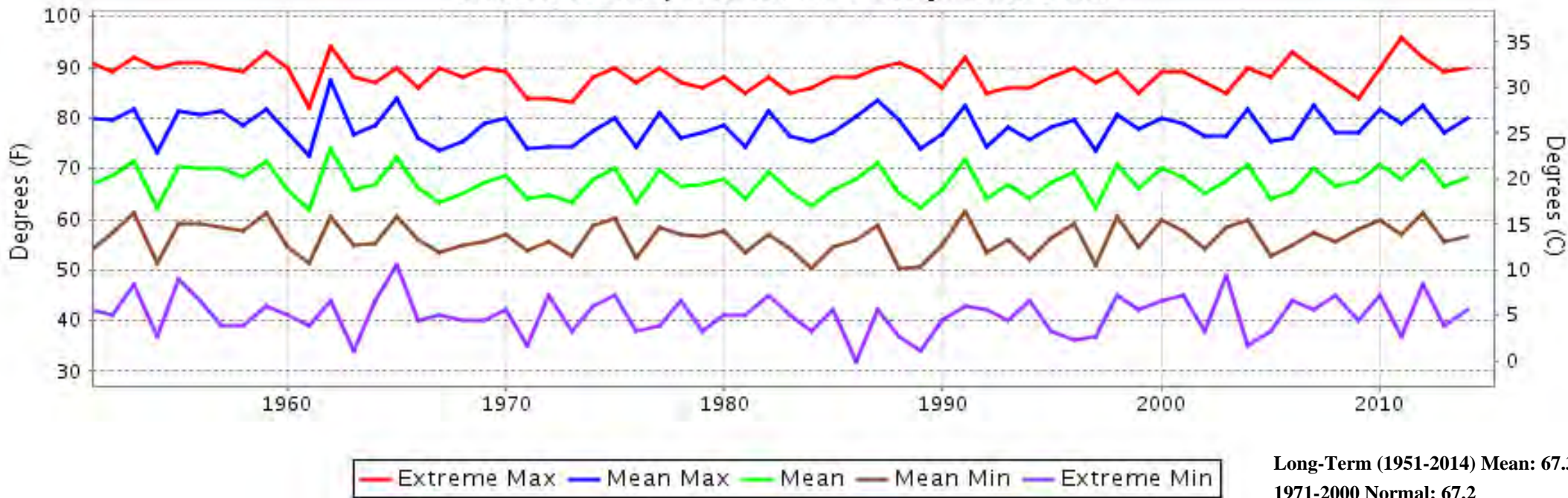
& = Original observation contained additional weather elements.

See page 3 for additional notes.

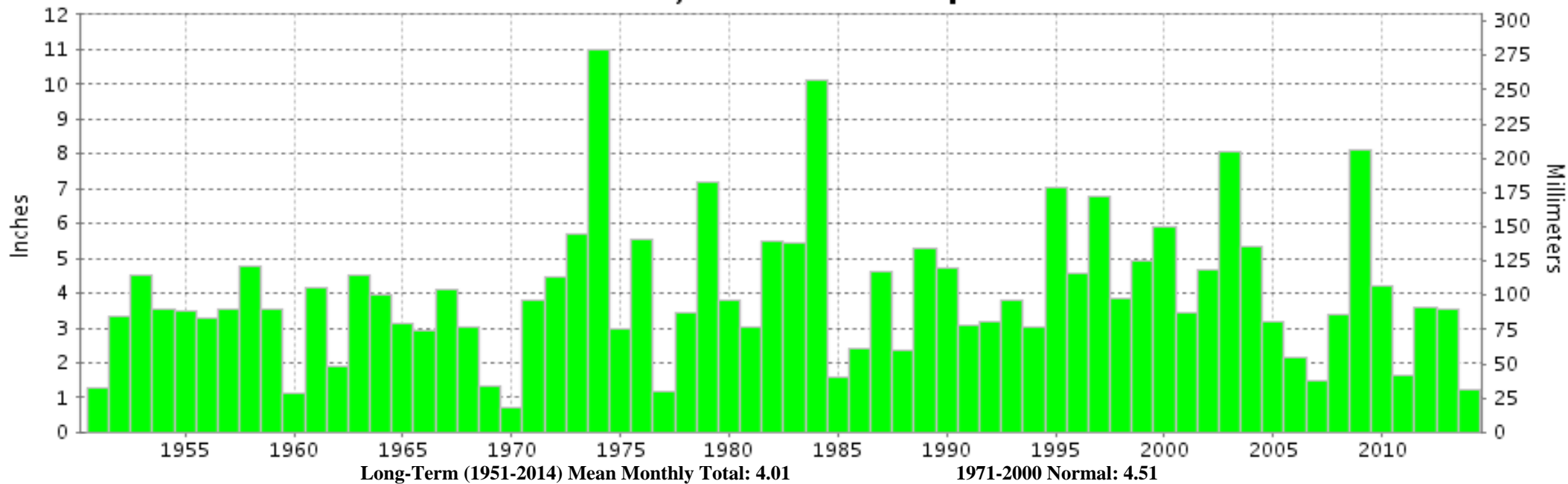
SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	62	55	58	79	29.02	30.04	9.23	3	2	25
02	61	55	58	82	29.01	30.03	9.31	3	2	24
03	60	55	57	84	29.01	30.04	9.27	3	2	24
04	60	55	57	85	29.02	30.04	9.27	2	2	22
05	59	55	56	87	29.03	30.05	8.91	3	1	22
06	59	55	56	88	29.04	30.06	8.43	2	1	19
07	61	56	58	85	29.05	30.08	8.13	3	2	23
08	64	57	60	77	29.06	30.09	8.96	6	1	24
09	68	57	61	69	29.06	30.09	9.23	7	3	25
10	71	57	62	62	29.06	30.09	9.61	8	5	26
11	73	57	63	58	29.06	30.09	9.68	9	8	26
12	74	57	63	55	29.05	30.07	9.74	10	8	27
13	76	56	64	51	29.03	30.06	9.87	10	6	26
14	77	56	64	49	29.02	30.04	9.94	11	7	27
15	77	55	64	49	29.00	30.03	9.77	12	8	27
16	77	55	64	48	28.99	30.01	10.00	12	7	27
17	77	54	63	47	28.98	30.01	10.00	12	7	27
18	76	55	63	50	28.98	30.01	10.00	9	6	26
19	73	56	63	57	28.99	30.01	9.90	8	4	26
20	70	55	61	62	29.00	30.02	10.00	6	3	26
21	68	56	61	67	29.01	30.03	9.84	6	3	26
22	66	56	60	72	29.03	30.05	9.81	5	3	26
23	65	56	60	73	29.03	30.06	9.83	5	3	26
24	64	56	59	76	29.03	30.06	9.57	3	1	22

KNOXVILLE, TN MAY Temperatures



KNOXVILLE, TN MAY Precipitation





MAY 2014
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.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

NCDC now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov and choose Most Popular.

We welcome your questions or comments, please contact us at:
(828) 271-4800, option 2
Fax Number : 828-271-4876
TDD : (828) 271-4010
or Email : ncdc.orders@noaa.gov

NOAA\National Climatic Data Center
Attn: User Engagement & Services Branch
151 Patton Avenue
Asheville, NC 28801-5001