



AUGUST 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	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM						
																			3-SEC		2-MIN				
									DEPTH 11	WATER- EQUIV 12	SNOW- FALL 13	WATER EQUIV 14					SPEED 20	DIR 21	SPEED 22	DIR 23					
01	85	63	74	-4	64	68	0	9		0		0.0	0.00	29.02	30.03	2.1	03	3.5	15	05	12	06	01		
02	83	66	75	-3	65	68	0	10	RA BR VCTS	0		0.0	0.24	29.03	30.05	2.0	07	3.7	24	04	21	03	02		
03	83	62	73	-5	63	67	0	8	FG+ FG BR	0		0.0	0.00	29.05	30.07	4.0	05	4.7	18	02	14	04	03		
04	84	62	73	-5	61	65	0	8		0		0.0	0.00	29.03	30.05	4.6	04	5.8	17	04	13	04	04		
05	87	63	75	-3	61	66	0	10		0		0.0	0.00	29.02	30.03	1.8	26	3.1	15	25	12	28	05		
06	87	66	77	-1	66	69	0	12	RA BR	0		0.0	T	28.97	29.99	2.9	23	5.0	18	24	15	25	06		
07	88	68	78	0	68	71	0	13	BR	0		0.0	0.00	28.97	29.98	3.7	04	4.3	16	04	14	05	07		
08	81	70	76	-2	69	71	0	11	TS TSRA RA BR VCTS	0		0.0	1.13	28.97	30.00	0.2	07	3.5	17	24	14	24	08		
09	86	69	78	1	70	72	0	13	RA BR HZ	0		0.0	0.02	28.97	29.98	1.1	28	3.7	11	25	9	25	09		
10	85	72	79	2	72	73	0	14	RA BR VCTS	0		0.0	0.33	28.95	29.96	1.7	22	3.8	32	30	26*	29	10		
11	87	69	78	1	70	72	0	13	TS TSRA RA VCTS	0		0.0	0.12	28.92	29.93	5.8	22	6.9	22	24	17	24	11		
12	84	68	76	-1	67	70	0	11	RA	0		0.0	0.08	28.84	29.87	4.7	26	6.8	22	28	17	24	12		
13	78	62	70	-7	58	63	0	5		0		0.0	0.00	28.97	30.00	4.7	36	5.0	18	01	15	01	13		
14	82	58*	70*	-7	59	63	0	5		0		0.0	0.00	29.00	30.02	1.6	01	4.3	12	27	10	31	14		
15	84	62	73	-4	62	66	0	8	FG BR	0		0.0	0.00	28.98	30.00	1.7	36	2.6	11	34	8	36	15		
16	83	61	72	-5	64	67	0	7	BR	0		0.0	0.00	28.99	30.01	0.9	33	2.4	11	23	9	23	16		
17	84	68	76	-1	68	70	0	11	RA BR	0		0.0	0.11	28.95	29.97	1.6	26	3.3	19	24	15	24	17		
18	83	70	77	0	69	70	0	12	TS TSRA RA BR	0		0.0	1.15	28.87	29.88	8.6	23	9.1	28	23	24	23	18		
19	83	68	76	-1	70	71	0	11	TS RA DZ BR	0		0.0	0.01	28.85	29.88	3.8	24	4.4	16	26	14	26	19		
20	86	68	77	0	69	71	0	12	TS TSRA RA	0		0.0	0.09	28.97	30.00	3.0	24	6.2	31	36	25	36	20		
21	88	64	76	-1	69	71	0	11	FG+ BCFG BR	0		0.0	0.00	29.08	30.09	2.0	22	3.2	22	21	12	23	21		
22	90	71	81	4	71	74	0	16		0		0.0	0.00	29.02	30.03	5.0	24	5.5	17	24	15	24	22		
23	91	72	82*	5	72	74	0	17	RA	0		0.0	0.03	28.95	29.95	1.6	27	2.9	18	26	15	27	23		
24	90	71	81	5	71	74	0	16	FG+ FG BR	0		0.0	0.00	28.92	29.94	2.4	01	5.1	18	05	14	03	24		
25	85	67	76	0	67	70	0	11		0		0.0	0.00	29.01	30.03	3.2	03	4.4	16	04	13	05	25		
26	85	63	74	-2	65	68	0	9		0		0.0	0.00	29.05	30.08	2.3	06	3.0	12	05	10	06	26		
27	88	63	76	0	63	67	0	11	BCFG BR	0		0.0	0.00	29.03	30.05	2.4	05	2.9	17	02	10	04	27		
28	91	64	78	2	67	70	0	13		0		0.0	0.00	28.98	30.00	0.8	06	1.2	13	07	10	05	28		
29	91*	70	81	5	67	71	0	16	BCFG BR HZ	0		0.0	0.00	29.00	30.02	1.3	30	3.3	15	35	13	24	29		
30	89	67	78	3	69	71	0	13	TS TSRA RA BR VCTS	0		0.0	0.67	29.05	30.08	0.8	22	4.6	30	23	24	19	30		
31	83	68	76	1	69	71	0	11	RA BCFG BR	0		0.0	0.03	29.08	30.09	3.6	22	4.3	37*	24	14	23	31		
										< MONTHLY AVERAGES TOTALS >				0.0	4.01	28.98	30.00	0.7	28	4.3	< MONTHLY AVERAGES				
										<-----DEPARTURE FROM NORMAL ----->				0.74		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.25 DATE : 17-18				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY										GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.15				26 1053							
SEASON TO DATE										GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.80				12 1553							
TOTAL DEPARTURE										NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 5		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH : 13							
HEATING : 0 0 0 0										MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 7											
COOLING : 347 -50 1199 -82										THUNDERSTORMS : 6		HEAVY FOG : 3		SNOWFALL >= 1.0 INCH : 0											

**AUGUST 2014
KNOXVILLE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
AUGUST 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		0.01	0.02	T	T	T							02												02	0.24	0.24	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	T	T	
07													07												07	0.00	0.00	
08													08	0.10											08	1.13	1.13	
09													09												09	0.02	0.02	
10													10												10	0.33	0.33	
11													11												11	0.12	0.12	
12													12												12	0.08	0.08	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.11	0.11	
18													18												18	1.15	1.15	
19													19												19	0.01	0.01	
20													20												20	0.09	0.09	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.03	0.03	
24													24												24	0.00	0.00	
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.67	0.67	
31	T												31												31	0.03	0.03	

* 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 AUGUST 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	7.00	10.00
02	4.00	10.00
03	0.25	10.00
04	7.00	10.00
05	7.00	10.00
06	6.00	10.00
07	4.00	10.00
08	2.00	10.00
09	2.00	10.00
10	2.00	10.00
11	7.00	10.00
12	3.00	10.00
13	10.00	10.00
14	8.00	10.00
15	0.50	10.00
16	4.00	10.00
17	3.00	10.00
18	1.00	10.00
19	4.00	10.00
20	6.00	10.00
21	0.25	10.00
22	10.00	10.00
23	4.00	10.00
24	1.00	10.00
25	10.00	10.00
26	8.00	10.00
27	6.00	10.00
28	8.00	10.00
29	4.00	10.00
30	1.50	10.00
31	7.00	10.00
AVGS	4.76	10.00
MINIMUM VISIBILITY (MILES)		
	<= .25	<= 3.0
		>= 7.0
2	11	11

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
AUGUST 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: 0543					AUG 01					SUNSET: 1941					SUNRISE: 0548					AUG 07					SUNSET: 1936				
01	BKN	250	10.00		69	65	66	87	0	00	29.02	30.04	01	OVC	250	4.00	BR	72	71	71	97	0	00	28.96	29.97				
04	BKN	250	10.00		67	64	65	91	0	00	29.02	30.03	04	OVC	250	6.00	BR	71	69	70	94	5	01	28.94	29.96				
07	SCT	250	8.00		67	64	65	91	0	00	29.05	30.07	07	OVC	250	5.00	BR	71	69	70	94	5	01	28.99	30.01				
10	SCT	160	10.00		77	62	67	60	5	06	29.06	30.07	10	BKN	250	8.00		77	70	72	79	3	VR	29.01	30.03				
13	BKN	200	10.00		80	64	70	58	8	04	29.02	30.04	13	BKN	250	9.00		84	66	72	55			28.98	30.00				
16	SCT	200	10.00		83	61	69	48	7	06	28.97	29.99	16	BKN	250	10.00		86	65	72	49	9	08	28.95	29.96				
19	BKN	200	10.00		80	65	70	60	3	05	28.98	29.99	19	BKN	250	10.00		80	67	71	64	5	04	28.94	29.95				
22	BKN	200	10.00		74	68	70	82	0	00	29.00	30.02	22	OVC	200	10.00		76	67	70	74	0	00	28.95	29.97				
SUNRISE: 0544					AUG 02					SUNSET: 1940					SUNRISE: 0549					AUG 08					SUNSET: 1935				
01	BKN	200	10.00		73	66	68	79	0	00	29.02	30.03	01	CLR	NC	8.00		72	68	69	87	0	00	28.96	29.97				
04	OVC	085	10.00	-RA	68	65	66	90	5	03	29.03	30.04	04	OVC	110	9.00		73	68	70	84	6	32	28.95	29.96				
07	BKN	200	10.00		68	66	67	93	3	04	29.05	30.07	07	OVC	110	2.00	-RA BR	70	69	69	97	8	05	28.99	30.01				
10	BKN	090	10.00		72	66	68	82	0	00	29.08	30.10	10	OVC	100	3.00	RA BR	71	70	70	96	6	15	29.03	30.05				
13	SCT	250	10.00		80	67	71	64	6	07	29.04	30.05	13	BKN	120	9.00		74	68	70	82	5	15	29.01	30.03				
16	BKN	150	10.00		81	65	70	58	6	09	28.99	30.01	16	BKN	250	10.00		80	69	73	69	3	29	28.96	29.97				
19	OVC	150	10.00		80	65	70	60	5	16	29.00	30.02	19	FEW	033	10.00		72	70	71	94	6	11	28.94	29.96				
22	OVC	034	4.00	-RA BR	68	65	66	90	10	05	29.04	30.06	22	BKN	250	10.00		72	70	71	94	0	00	28.98	30.00				
SUNRISE: 0545					AUG 03					SUNSET: 1940					SUNRISE: 0550					AUG 09					SUNSET: 1934				
01	OVC	100	9.00		68	65	66	90	0	00	29.05	30.07	01	BKN	100	6.00		70	69	69	97	0	00	28.97	29.99				
04	BKN	120	8.00		66	64	65	93	0	00	29.06	30.07	04	BKN	200	10.00		69	68	68	96	0	00	28.97	29.98				
07	VV	002	0.25	FG	64	64	64	100	3	06	29.09	30.11	07	OVC	035	3.00	-RA BR	70	69	69	97	0	00	29.01	30.03				
10	FEW	040	10.00		74	65	68	74	3	VR	29.08	30.10	10	OVC	035	4.00	BR	74	70	71	88	5	29	29.03	30.05				
13	FEW	041	10.00		81	62	69	53	8	36	29.07	30.09	13	OVC	050	10.00		79	70	73	74	9	25	28.99	30.01				
16	SCT	250	10.00		83	62	69	49	11	04	29.02	30.04	16	BKN	250	10.00		84	71	75	65	6	33	28.92	29.94				
19	FEW	250	10.00		79	62	68	56	7	06	29.01	30.03	19	BKN	120	10.00		80	71	74	74	3	07	28.91	29.93				
22	CLR	NC	9.00		70	64	66	82	3	05	29.05	30.07	22	BKN	120	10.00		76	72	73	88	5	07	28.94	29.96				
SUNRISE: 0546					AUG 04					SUNSET: 1939					SUNRISE: 0550					AUG 10					SUNSET: 1933				
01	CLR	NC	10.00		67	62	64	84	6	02	29.04	30.05	01	OVC	200	10.00		75	71	72	88	0	00	28.93	29.94				
04	CLR	NC	10.00		65	61	63	87	6	02	29.03	30.05	04	BKN	090	7.00		73	72	72	96	0	00	28.92	29.93				
07	SCT	250	9.00		66	61	63	84	5	04	29.06	30.09	07	BKN	035	8.00		73	71	72	94	3	16	28.97	29.99				
10	FEW	250	10.00		75	62	67	64	8	04	29.09	30.11	10	OVC	026	2.00	RA BR	73	71	72	94	7	20	28.99	30.01				
13	FEW	250	10.00		82	61	69	49	6	VR	29.05	30.06	13	BKN	042	10.00		83	72	75	70	8	24	28.96	29.97				
16	FEW	250	10.00		84	59	68	43	8	06	29.00	30.01	16	OVC	070	10.00		75	72	73	90	5	35	28.94	29.96				
19	SCT	250	10.00		79	60	67	52	5	08	28.99	30.01	19	BKN	120	10.00		77	71	73	82	3	06	28.92	29.93				
22	FEW	085	10.00		71	61	65	71	5	07	29.02	30.04	22	BKN	095	10.00		74	72	73	94	3	08	28.95	29.97				
SUNRISE: 0547					AUG 05					SUNSET: 1938					SUNRISE: 0551					AUG 11					SUNSET: 1931				
01	CLR	NC	10.00		67	62	64	84	0	00	29.00	30.02	01	SCT	250	10.00		72	71	71	97	0	00	28.95	29.97				
04	CLR	NC	9.00		64	62	63	93	0	00	29.00	30.01	04	OVC	036	7.00		71	71	71	100	0	00	28.93	29.95				
07	FEW	040	8.00		66	62	64	87	0	00	29.04	30.06	07	OVC	036	10.00		72	71	71	97	3	17	28.95	29.97				
10	FEW	034	10.00		78	66	70	67	7	22	29.06	30.08	10	BKN	031	10.00		79	71	74	77	9	23	28.96	29.98				
13	FEW	250	10.00		84	59	68	43	5	VR	29.03	30.05	13	BKN	090	9.00		82	73	76	74	13	25	28.92	29.93				
16	BKN	250	10.00		86	57	68	37	8	26	28.99	30.01	16	SCT	046	10.00		85	71	75	63	14	24	28.85	29.86				
19	SCT	250	10.00		82	60	68	47	6	24	28.99	30.01	19	BKN	095	7.00		75	71	72	88	6	VR	28.85	29.86				
22	SCT	250	10.00		73	63	67	71	3	04	29.01	30.03	22	OVC	250	10.00	-TSRA	69	68	68	96	8	21	28.88	29.90				
SUNRISE: 0547					AUG 06					SUNSET: 1937					SUNRISE: 0552					AUG 12					SUNSET: 1930				
01	BKN	250	10.00		70	63	66	79	3	14	29.00	30.01	01	OVC	250	10.00		69	67	68	93	6	30	28.86	29.88				
04	OVC	080	9.00		66	63	64	90	0	00	28.99	30.00	04	OVC	045	10.00		68	68	68	100	5	23	28.84	29.86				
07	BKN	250	9.00		68	63	65	84	3	25	29.01	30.03	07	OVC	006	10.00		70	69	69	97	6	17	28.85	29.87				
10	SCT	250	10.00		78	62	68	58	8	23	29.01	30.03	10	BKN	018	7.00		75	71	72	88	8	24	28.87	29.89				
13	SCT	250	10.00		86	65	72	49	9	25	28.98	29.99	13	SCT	250	10.00		82	69	73	65	9	22	28.84	29.85				
16	SCT	200	10.00		85	66	72	53	9	22	28.94	29.95	16	SCT	200	10.00		83	69	73	63	10	24	28.79	29.80				
19	SCT	250	9.00		81	70	73	69	6	02	28.93	29.95	19	BKN	150	10.00		78	68	71	71	7	25	28.82	29.84				
22	SCT	250	8.00		75	71	72	88	3	07	28.96	29.98	22	FEW	095	10.00		73	62	66	69	6	30	28.90	29.91				

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
AUGUST 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: 0553 AUG 13 SUNSET: 1929										SUNRISE: 0558 AUG 19 SUNSET: 1922															
01	FEW	090	10.00		68	60	63	76	0	00	28.91	29.93	01	FEW	055	10.00		69	68	68	96	7	22	28.82	29.84
04	FEW	045	10.00		63	59	61	87	0	00	28.92	29.94	04	BKN	025	10.00		70	69	69	97	3	26	28.84	29.84
07	FEW	045	10.00		63	60	61	90	0	00	28.97	29.98	07	OVC	007	4.00	BR	70	69	69	97	5	22	28.86	29.88
10	SCT	024	10.00		71	59	64	66	6	34	29.00	30.03	10	OVC	011	9.00	-DZ	73	70	71	90	6	26	28.90	29.92
13	SCT	036	10.00		74	58	64	57	11	35	29.00	30.02	13	SCT	250	10.00		81	70	73	69	6	20	28.88	29.89
16	SCT	043	10.00		76	58	65	54	11	01	28.97	29.99	16	BKN	180	10.00		81	70	73	69	7	24	28.84	29.85
19	SCT	055	10.00		72	57	63	59	7	01	28.99	30.02	19	SCT	055	10.00		80	68	72	67	5	VR	28.85	29.87
22	SCT	050	10.00		66	58	61	75	3	05	29.03	30.05	22	SCT	050	10.00		73	71	72	94	0	00	28.88	29.91
SUNRISE: 0554 AUG 14 SUNSET: 1928										SUNRISE: 0558 AUG 20 SUNSET: 1921															
01	CLR	NC	10.00		61	58	59	90	5	03	29.01	30.03	01	FEW	050	10.00		72	70	71	94	3	27	28.91	29.93
04	CLR	NC	10.00		60	58	59	93	5	01	28.99	30.02	04	BKN	047	10.00		71	69	70	94	0	00	28.90	29.91
07	FEW	055	8.00		61	59	60	93	5	03	29.04	30.06	07	SCT	250	10.00		71	68	69	90	0	00	28.94	29.96
10	FEW	250	10.00		73	62	66	69	9	05	29.05	30.08	10	BKN	030	10.00		81	73	75	77	7	26	28.98	29.99
13	FEW	250	10.00		77	59	66	54	0	00	29.00	30.03	13	BKN	250	10.00		86	74	77	67	10	23	28.98	29.99
16	FEW	250	10.00		80	57	66	45	0	00	28.96	29.98	16	SCT	090	10.00		73	66	68	79	14	23	28.97	29.99
19	FEW	250	10.00		75	61	66	62	6	22	28.95	29.97	19	BKN	080	10.00		72	67	69	84	10	35	29.07	30.09
22	CLR	NC	10.00		69	62	65	78	3	05	28.98	30.00	22	OVC	250	10.00		69	67	68	93	0	00	29.07	30.09
SUNRISE: 0554 AUG 15 SUNSET: 1927										SUNRISE: 0559 AUG 21 SUNSET: 1920															
01	CLR	NC	10.00		65	62	63	90	3	05	28.98	30.00	01	BKN	250	10.00		67	67	67	100	3	24	29.07	30.09
04	SCT	250	10.00		64	61	62	90	0	00	28.98	30.00	04	VV	003	0.25	FG	64	64	64	100	0	00	29.06	30.08
07	SCT	250	10.00		64	61	62	90	0	00	29.01	30.03	07	BKN	250	7.00	BCFG	66	65	65	96	6	07	29.10	30.12
10	BKN	250	10.00		75	64	68	69	0	00	29.03	30.05	10	SCT	250	10.00		76	69	71	79	5	35	29.13	30.15
13	SCT	250	10.00		82	60	68	47	6	32	28.99	30.01	13	BKN	250	10.00		84	72	76	67	7	23	29.11	30.13
16	BKN	055	10.00		84	60	69	44	5	07	28.95	29.97	16	SCT	250	10.00		87	71	76	59	7	22	29.04	30.06
19	OVC	250	10.00		79	62	68	56	6	02	28.95	29.97	19	BKN	250	10.00		83	71	75	67	6	22	29.04	30.06
22	SCT	250	10.00		72	66	68	82	3	07	28.98	30.00	22	BKN	250	10.00		79	71	74	77	3	20	29.05	30.06
SUNRISE: 0555 AUG 16 SUNSET: 1926										SUNRISE: 0560 AUG 22 SUNSET: 1918															
01	SCT	200	8.00		66	64	65	93	0	00	28.97	29.99	01	CLR	NC	10.00		74	70	71	88	3	19	29.05	30.06
04	SCT	200	9.00		64	62	63	93	0	00	28.97	29.99	04	FEW	045	10.00		73	69	70	87	0	00	29.02	30.03
07	BKN	250	7.00		64	62	63	93	0	00	29.01	30.03	07	BKN	250	10.00		73	70	71	90	0	00	29.05	30.07
10	BKN	250	10.00		74	64	68	71	0	00	29.02	30.04	10	BKN	250	10.00		82	73	76	74	6	23	29.08	30.09
13	BKN	150	10.00		79	64	69	60	5	26	29.02	30.04	13	BKN	250	10.00		88	73	77	61	8	24	29.03	30.04
16	BKN	250	10.00		82	63	70	53	0	00	28.98	30.00	16	SCT	250	10.00		89	70	76	53	9	24	28.98	29.99
19	BKN	250	10.00		80	62	68	54	0	00	28.97	29.99	19	BKN	250	10.00		83	71	75	67	7	22	28.95	29.96
22	BKN	250	10.00		72	67	69	84	5	06	28.98	30.00	22	BKN	250	10.00		80	71	74	74	3	26	28.99	30.00
SUNRISE: 0556 AUG 17 SUNSET: 1925										SUNRISE: 0601 AUG 23 SUNSET: 1917															
01	BKN	250	10.00		72	66	68	82	0	00	28.97	29.98	01	BKN	250	10.00		75	72	73	90	0	00	28.97	29.98
04	BKN	250	8.00		69	67	68	93	3	03	28.96	29.97	04	BKN	250	10.00		74	71	72	91	5	24	28.94	29.95
07	BKN	250	8.00		70	67	68	90	0	00	28.99	30.01	07	SCT	250	10.00		74	71	72	91	0	00	28.98	29.99
10	SCT	055	10.00		77	67	70	71	5	22	28.99	30.01	10	SCT	250	10.00		82	73	76	74	0	00	28.98	29.99
13	FEW	070	10.00		84	69	74	61	10	26	28.97	29.98	13	BKN	250	10.00		88	73	77	61	6	31	28.95	29.96
16	OVC	120	10.00		78	68	71	71	9	33	28.94	29.96	16	BKN	044	10.00		88	73	77	61	13	27	28.90	29.91
19	OVC	120	10.00		74	69	71	85	0	00	28.90	29.92	19	BKN	150	10.00		79	73	75	82	5	08	28.88	29.89
22	OVC	100	10.00	-RA	72	69	70	91	0	00	28.92	29.94	22	SCT	100	9.00		74	72	73	94	0	00	28.94	29.96
SUNRISE: 0557 AUG 18 SUNSET: 1923										SUNRISE: 0601 AUG 24 SUNSET: 1916															
01	OVC	150	6.00	BR	71	70	70	96	0	00	28.89	29.90	01	BKN	200	8.00		74	72	73	94	3	03	28.91	29.92
04	OVC	033	5.00	BR	71	71	71	100	3	23	28.87	29.88	04	OVC	150	5.00	BR	72	71	71	97	3	07	28.87	29.88
07	BKN	050	10.00		72	69	70	91	13	22	28.88	29.90	07	SCT	110	1.25		73	72	72	96	5	05	28.93	29.94
10	OVC	055	10.00		73	69	70	87	20	22	28.91	29.93	10	SCT	035	9.00		80	73	75	79	0	00	28.96	29.98
13	BKN	080	10.00		75	68	70	79	11	24	28.86	29.88	13	BKN	080	10.00		89	72	77	57	6	VR	28.94	29.94
16	BKN	250	10.00		81	69	73	67	6	22	28.82	29.82	16	BKN	200	10.00		89	70	76	53	8	03	28.89	29.90
19	SCT	030	10.00		70	68	69	93	6	21	28.84	29.85	19	BKN	250	10.00		84	68	73	59	7	01	28.90	29.91
22	BKN	250	10.00		71	68	69	90	9	23	28.84	29.86	22	OVC	070	10.00		78	71	73	79	9	25	28.97	29.98

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

AUGUST 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: 0602 AUG 25 SUNSET: 1914					76	71	73	85	5	30	29.00	30.01
01	BKN	090	10.00		76	71	73	85	5	30	29.00	30.01
04	OVC	070	10.00		73	66	68	79	5	02	29.01	30.02
07	OVC	033	10.00		72	65	68	79	3	03	29.04	30.06
10	BKN	050	10.00		77	66	70	69	0	00	29.06	30.08
13	BKN	100	10.00		80	68	72	67	6	02	29.04	30.05
16	SCT	250	10.00		85	68	73	57	6	06	28.99	30.00
19	BKN	250	10.00		79	67	71	67	6	06	28.97	29.98
22	BKN	250	10.00		76	66	69	72	7	01	29.02	30.03
SUNRISE: 0603 AUG 26 SUNSET: 1913					69	65	66	87	0	00	29.04	30.06
01	CLR	NC	10.00		69	65	66	87	0	00	29.04	30.06
04	SCT	035	10.00		67	65	66	93	3	03	29.04	30.05
07	SCT	250	10.00		66	64	65	93	0	00	29.09	30.11
10	BKN	250	10.00		75	63	67	66	3	01	29.13	30.15
13	SCT	250	10.00		80	66	71	62	3	VR	29.09	30.11
16	SCT	250	10.00		84	66	72	55	7	08	29.02	30.04
19	SCT	250	10.00		79	65	70	62	5	07	29.02	30.04
22	CLR	NC	10.00		73	65	68	76	0	00	29.05	30.06
SUNRISE: 0604 AUG 27 SUNSET: 1912					67	64	65	91	3	04	29.04	30.06
01	CLR	NC	10.00		67	64	65	91	3	04	29.04	30.06
04	CLR	NC	8.00		64	63	63	96	0	00	29.03	30.04
07	SCT	250	6.00	BCFG BR	65	63	64	93	0	00	29.07	30.09
10	FEW	250	10.00		77	65	69	66	0	00	29.09	30.11
13	SCT	250	10.00		84	64	71	51	8	06	29.05	30.07
16	BKN	250	10.00		87	62	71	43	5	06	29.01	30.02
19	BKN	250	10.00		80	60	67	51	3	10	28.98	30.00
22	CLR	NC	10.00		73	64	67	74	0	00	29.01	30.03
SUNRISE: 0605 AUG 28 SUNSET: 1911					69	64	66	84	0	00	29.00	30.01
01	CLR	NC	10.00		69	64	66	84	0	00	29.00	30.01
04	CLR	NC	10.00		66	63	64	90	0	00	29.00	30.01
07	FEW	250	8.00		66	64	65	93	0	00	29.02	30.04
10	CLR	NC	10.00		78	66	70	67	0	00	29.03	30.05
13	FEW	037	10.00		87	68	74	53	3	VR	28.99	30.01
16	FEW	048	10.00		90	67	74	47	10	06	28.95	29.96
19	FEW	100	10.00		84	69	74	61	3	07	28.95	29.96
22	FEW	100	10.00		78	70	73	76	0	00	28.98	29.99
SUNRISE: 0605 AUG 29 SUNSET: 1909					74	71	72	91	0	00	28.98	29.99
01	CLR	NC	8.00		74	71	72	91	0	00	28.98	29.99
04	CLR	NC	5.00	BR	70	69	69	97	0	00	28.98	29.99
07	SCT	250	4.00	BCFG BR	72	70	71	94	0	00	29.03	30.04
10	FEW	250	9.00		83	71	75	67	0	00	29.05	30.06
13	SCT	250	10.00		90	67	74	47	9	27	29.01	30.02
16	BKN	085	10.00		88	64	72	45	6	36	28.98	29.99
19	FEW	100	10.00		84	63	70	49	6	23	28.98	30.00
22	SCT	250	10.00		77	65	69	66	3	05	29.03	30.04
SUNRISE: 0606 AUG 30 SUNSET: 1908					72	65	68	79	3	06	29.05	30.07
01	SCT	250	10.00		72	65	68	79	3	06	29.05	30.07
04	SCT	250	10.00		70	67	68	90	6	32	29.06	30.07
07	BKN	250	9.00		69	66	67	90	5	07	29.09	30.10
10	SCT	250	10.00		81	68	72	65	0	00	29.10	30.11
13	OVC	250	10.00		86	67	73	53	6	29	29.07	30.08
16	BKN	095	10.00		80	73	75	79	5	33	29.02	30.04
19	OVC	250	10.00		78	74	75	87	3	05	29.02	30.04
22	BKN	100	10.00	-RA	72	70	71	94	3	30	29.07	30.08

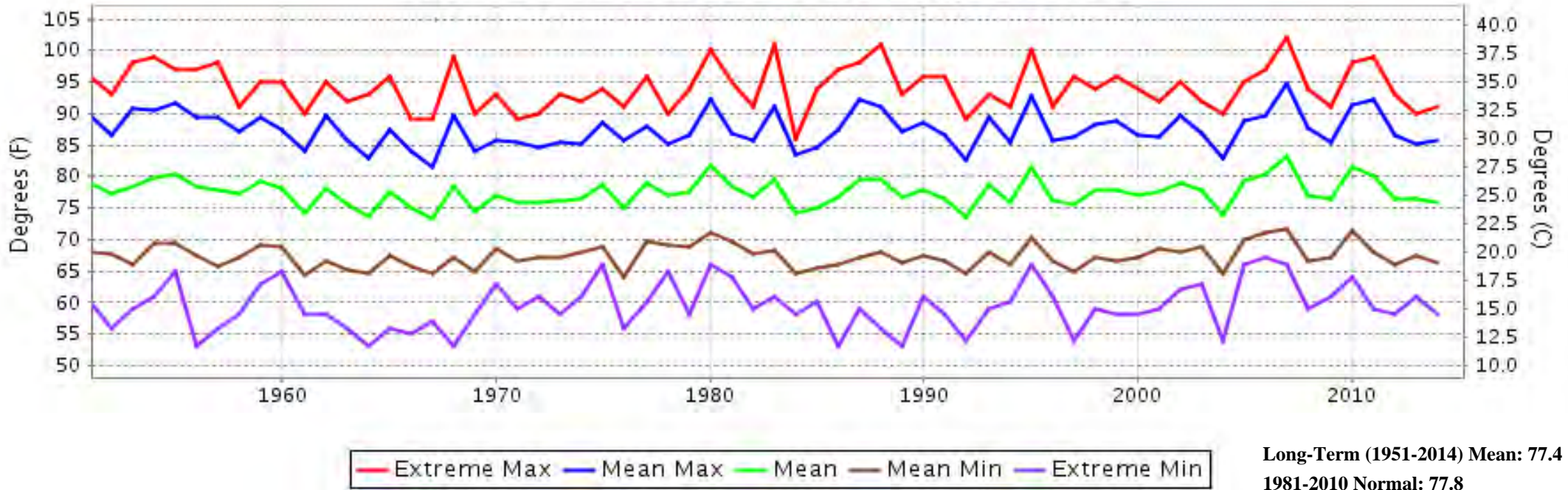
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0607 AUG 31 SUNSET: 1906					70	68	69	93	5	21	29.09	30.10
01	OVC	080	10.00		70	68	69	93	5	21	29.09	30.10
04	BKN	150	10.00		69	68	68	96	3	01	29.08	30.10
07	BKN	150	10.00	BCFG	69	68	68	96	0	00	29.10	30.12
10	OVC	007	10.00	BCFG	73	70	71	90	5	25	29.12	30.14
13	BKN	036	10.00		81	71	74	72	10	22	29.08	30.10
16	OVC	250	10.00		81	71	74	72	13	23	29.03	30.05
19	OVC	250	10.00		72	70	71	94	6	16	29.05	30.07
22	OVC	150	10.00		72	69	70	91	3	26	29.05	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.

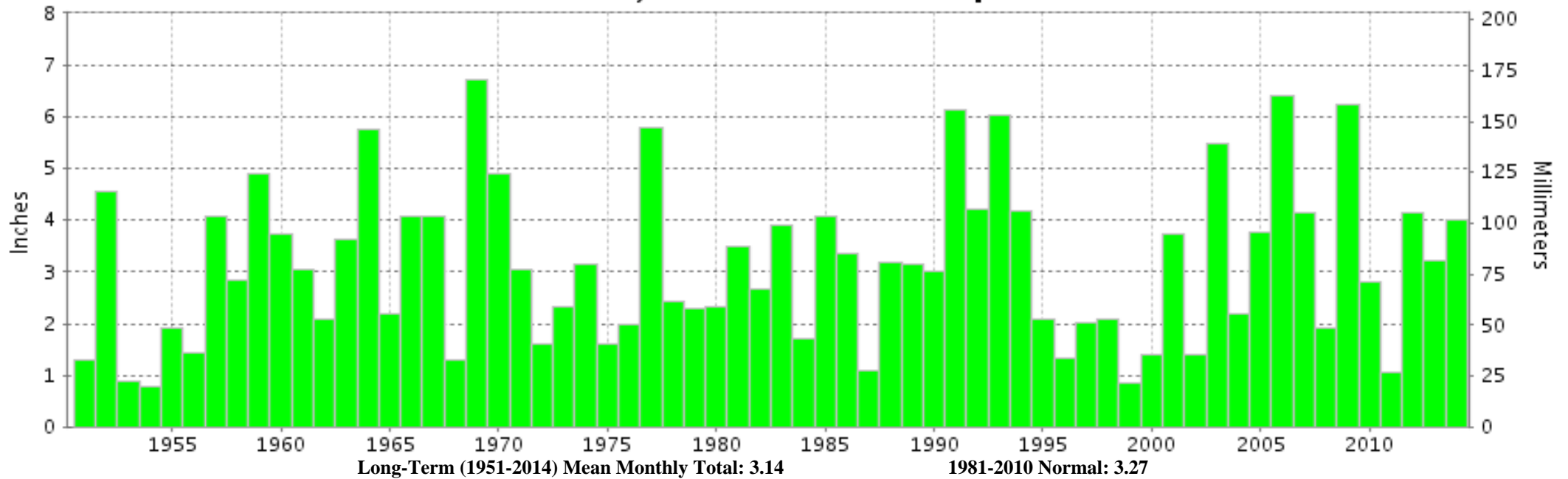
SUMMARY BY HOUR

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	70	67	68	89	28.98	30.00	9.26	2	1	34
02	70	67	68	90	28.97	29.99	9.06	2	1	33
03	69	66	67	92	28.97	29.98	8.48	2	1	01
04	68	66	67	93	28.97	29.99	8.56	2	1	34
05	68	66	67	93	28.98	30.00	8.42	2	2	32
06	68	66	66	93	28.99	30.01	7.66	3	1	33
07	69	66	67	92	29.01	30.03	7.56	3	2	05
08	71	67	68	88	29.02	30.04	7.65	4	1	02
09	73	67	69	82	29.02	30.04	9.11	4	2	30
10	76	67	70	75	29.03	30.05	9.06	5	3	29
11	79	68	71	69	29.03	30.04	9.52	4	4	29
12	81	68	72	65	29.02	30.03	9.74	6	3	29
13	82	67	72	61	29.00	30.01	9.90	7	4	28
14	83	67	72	58	28.98	30.00	9.77	7	4	28
15	83	66	72	59	28.97	29.98	9.47	8	2	29
16	83	66	72	58	28.95	29.97	10.00	8	1	30
17	82	66	72	59	28.95	29.96	9.58	7	1	30
18	81	66	71	62	28.95	29.96	9.65	7	1	33
19	78	67	71	68	28.95	29.97	9.87	5	1	05
20	77	67	70	74	28.96	29.98	9.94	4	1	36
21	74	67	70	79	28.98	29.99	9.87	4	1	36
22	73	67	69	83	28.98	30.00	9.68	3	1	02
23	72	67	69	85	28.99	30.00	9.15	3	1	33
24	71	67	68	86	28.99	30.00	9.48	3	1	31

KNOXVILLE, TN AUGUST Temperatures



KNOXVILLE, TN AUGUST Precipitation





**AUGUST 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