JULY 2008
LOCAL CLIMATOLOGICAL DATA
TSWO, Thompson's Stn Weather Observatory

SPRING HILL, TN
THOMPSON'S STN OBSERVATORY (THOT)
Lat:35º 46'N Long:86º 55'W Elev (Ground) 748 Feet
Time Zone: CENTRAL WBAN: - ISSN#: -

Date	Temperature ºF MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	Deg Days BASE 65 º HEATING	COOLING	WEATHER	SNOW/ICE ON GND (IN) 0600 LST DEPTH	1200 LST WATER EQUIV	PRECIPITATON (INCHES) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (IN OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM PEAK SPEED	DIR	2-MIN SPEED	DIR	Date
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	86	54 *	70 *	-8			0	5		0		0.0	0.00										01
02	89	55	72	-6			0	7		0		0.0	0.00										02
03	91	56	74	-4			0	9		0		0.0	0.00										03
04	88	63	76	-2			0	11	RA SHRA	0		0.0	0.08										04
05	88	67	78	0			0	13	RA BR	0		0.0	0.07										05
06	89	63	76	-2			0	11	TS	0		0.0	0.00										06
07	92	63	78	0			0	13	TS	0		0.0	0.00										07
08	94	70	82	4			0	17		0		0.0	0.00										08
09	88	69	79	1			0	14	TS RA SHRA FG+ FG BR	0		0.0	2.29										09
10	85	70	78	-1			0	13	RA BR	0		0.0	0.06										10
11	91	68	80	1			0	15		0		0.0	0.00										11
12	95	69	82	3			0	17	TS RA SHRA BR	0		0.0	1.01										12
13	82	62	72	-7			0	7	TS RA SHRA BR	0		0.0	0.61										13
14	85	58	72	-7			0	7		0		0.0	0.00										14
15	87	61	74	-5			0	9		0		0.0	0.00										15
16	90	59	75	-4			0	10		0		0.0	0.00										16
17	91	63	77	-2			0	12		0		0.0	0.00										17
18	91	64	78	-1			0	13	BCFG BR HZ	0		0.0	0.00										18
19	93	64	79	0			0	14	BCFG BR HZ	0		0.0	0.00										19
20	94	68	81	2			0	16	BR HZ	0		0.0	0.00										20
21	97 *	67	82	3			0	17	BR HZ	0		0.0	0.00										21
22	93	68	81	2			0	16	BR HZ	0		0.0	0.00										22
23	87	67	77	-2			0	12		0		0.0	0.00										23
24	88	58	73	-6			0	8		0		0.0	0.00										24
25	88	66	77	-2			0	12	TS RA SHRA BR	0		0.0	0.34										25
26	91	71	81	2			0	16	RA	0		0.0	0.01										26
27	94	70	82	3			0	17		0		0.0	0.00										27
28	94	68	81	2			0	16	TS	0		0.0	0.00										28
29	94	70	82 *	3			0	17	TS RA	0		0.0	0.01										29
30	93	67	80	1			0	15	TS SHRA FG+ BR	0		0.0	1.08										30
31	89	71	80	1			0	15	TS	0		0.0	0.00										31
	90.2	64.8	77.5	¤			0.0	12.7	< MONTHLY AVERAGES | TOTALS ->			0.0	5.56						<- MONTHLY AVERAGES				
	-0.3	-2.0	-1.2		<----------				DEPARTURE FROM NORMAL				----------> 0.67	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	0	0	0	0
COOLING:	394	-30	824	-45

GREATEST 24-HR. PRECIPITATION: 2.29 DATE: 09-09
GREATEST 24-HR. SNOWFALL: DATE:
GREATEST SNOW DEPTH: DATE:

SEA LEVEL PRESSURE	DATE	TIME
MAXIMUM :		
MINIMUM :		

NUMBER OF -> DAYS WITH					
MAXIMUM TEMP>=90:	17	MINIMUM TEMP<=32 :	0	PRECIPITATION >= 0.01 INCH	10
MAXIMUM TEMP<=32:	0	MINIMUM TEMP<=0 :	0	PRECIPITATION >= 0.10 INCH	5
THUNDERSTORMS :	10	HEAVY FOG :	2	SNOWFALL>=1.0 INCH	0

JULY 2008
SPRING HILL, TN

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence 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		
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	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

THOMPSON'S STN, TN. JULY 2008

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
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	Sky Cover	Satellite	Sky Cover	Satellite	MINIMUM	MAXIMUM	
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
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21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVGS									

SUNSHINE (Minutes)

Total : Possible :
Percent Possible :

NUMBER OF DAYS WITH :
SKY CONDITION
Clear Partly CLDY Cloudy Missing

MINIMUM VISIBILTY (MILES)
<= .25 <= 3.0 >= 7.0