



FEBRUARY 2008

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 | Temperature °F | | | | | | Deg Days BASE 65° | | WEATHER | SNOW/ICE ON GND(IN) | | PRECIPITATION ON GND(IN) | | 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 | 45 | 30 | 38 | -1 | 33 | 36 | 27 | 0 | RA DZ BR | 0 | | 0.0 | 0.35 | 28.96 | 30.03 | 9.7 | 24 | 11.5 | 36 | 22 | 30 | 23 | 01 | | | | | |
| 02 | 54 | 23 | 39 | 0 | 27 | 33 | 26 | 0 | BR | 0 | | 0.0 | 0.00 | 29.17 | 30.24 | 0.9 | 28 | 2.0 | 12 | 25 | 9 | 25 | 02 | | | | | |
| 03 | 53 | 30 | 42 | 3 | 35 | 39 | 23 | 0 | RA BR | 0 | | 0.0 | 0.21 | 29.15 | 30.21 | 1.3 | 02 | 2.7 | 16 | 32 | 14 | 31 | 03 | | | | | |
| 04 | 49 | 42 | 46 | 7 | 45 | 46 | 19 | 0 | TS TSRA RA DZ FG+ FG BR | 0 | | 0.0 | 1.33 | 29.08 | 30.14 | 1.8 | 03 | 2.9 | 20 | 29 | 16 | 29 | 04 | | | | | |
| 05 | 73* | 44 | 59* | 19 | 52 | 55 | 6 | 0 | FG+ FG BR | 0 | | 0.0 | 0.00 | 28.98 | 30.00 | 6.3 | 22 | 7.7 | 30 | 21 | 24 | 20 | 05 | | | | | |
| 06 | 69 | 44 | 57 | 17 | 48 | 54 | 8 | 0 | TS TSRA RA BR | 0 | | 0.0 | 0.91 | 28.66 | 29.69 | 19.0 | 22 | 20.6 | 49* | 23 | 36* | 23 | 06 | | | | | |
| 07 | 50 | 36 | 43 | 3 | 27 | 36 | 22 | 0 | | 0 | | 0.0 | 0.00 | 28.90 | 29.95 | 4.5 | 26 | 5.1 | 22 | 28 | 20 | 27 | 07 | | | | | |
| 08 | 56 | 34 | 45 | 5 | 31 | 39 | 20 | 0 | | 0 | | 0.0 | 0.00 | 28.89 | 29.94 | 2.4 | 24 | 2.9 | 15 | 26 | 10 | 27 | 08 | | | | | |
| 09 | 58 | 38 | 48 | 8 | 26 | 38 | 17 | 0 | | 0 | | 0.0 | 0.00 | 28.91 | 29.99 | 10.1 | 24 | 10.6 | 32 | 25 | 26 | 24 | 09 | | | | | |
| 10 | 54 | 29 | 42 | 1 | 21 | 34 | 23 | 0 | | 0 | | 0.0 | 0.00 | 29.16 | 30.25 | 9.8 | 26 | 11.5 | 31 | 27 | 24 | 27 | 10 | | | | | |
| 11 | 50 | 20* | 35 | -6 | 10 | 26 | 30 | 0 | | 0 | | 0.0 | 0.00 | 29.24 | 30.29 | 2.9 | 02 | 3.6 | 15 | 01 | 10 | 04 | 11 | | | | | |
| 12 | 68 | 30 | 49 | 8 | 34 | 42 | 16 | 0 | RA BR | 0 | | 0.0 | 0.09 | 28.89 | 29.90 | 8.1 | 20 | 11.2 | 48 | 21 | 35 | 20 | 12 | | | | | |
| 13 | 52 | 26 | 39 | -2 | 28 | 31 | 26 | 0 | RA DZ FZDZ SN PL BR HZ | 0 | | T | 0.51 | 28.77 | 29.86 | 6.4 | 35 | 8.0 | 21 | 34 | 17 | 28 | 13 | | | | | |
| 14 | 46 | 21 | 34 | -8 | 22 | 29 | 31 | 0 | SN | 0 | | T | T | 29.13 | 30.22 | 2.1 | 02 | 3.3 | 14 | 06 | 10 | 05 | 14 | | | | | |
| 15 | 59 | 28 | 44 | 2 | 33 | 39 | 21 | 0 | | 0 | | 0.0 | 0.00 | 29.18 | 30.25 | 2.9 | 24 | 3.5 | 13 | 19 | 10 | 20 | 15 | | | | | |
| 16 | 63 | 46 | 55 | 13 | 40 | 47 | 10 | 0 | | 0 | | 0.0 | 0.00 | 29.11 | 30.14 | 2.5 | 03 | 3.0 | 12 | 06 | 8 | 04 | 16 | | | | | |
| 17 | 65 | 46 | 56 | 14 | 46 | 53 | 9 | 0 | RA BR | 0 | | 0.0 | 0.35 | 28.74 | 29.74 | 11.3 | 18 | 12.7 | 38 | 19 | 29 | 18 | 17 | | | | | |
| 18 | 57 | 38 | 48 | 6 | 31 | 40 | 17 | 0 | RA | 0 | | 0.0 | T | 28.77 | 29.85 | 9.8 | 26 | 11.0 | 18 | 25 | 18 | 25 | 18 | | | | | |
| 19 | 46 | 30 | 38 | -5 | 21 | 31 | 27 | 0 | RA SN | 0 | | T | T | 29.05 | 30.12 | 13.1 | 24 | 13.6 | 37 | 25 | 29 | 24 | 19 | | | | | |
| 20 | 56 | 31 | 44 | 1 | 25 | 37 | 21 | 0 | RA | 0 | | 0.0 | T | 29.05 | 30.12 | 8.3 | 24 | 13.0 | 37 | 23 | 31 | 23 | 20 | | | | | |
| 21 | 43 | 30 | 37 | -6 | 27 | 33 | 28 | 0 | | 0 | | 0.0 | 0.00 | 29.10 | 30.13 | 4.6 | 03 | 5.1 | 16 | 04 | 14 | 03 | 21 | | | | | |
| 22 | 50 | 36 | 43 | -1 | 41 | 42 | 22 | 0 | RA BR | 0 | | 0.0 | 0.09 | 28.84 | 29.88 | 1.5 | 23 | 2.6 | 13 | 24 | 10 | 26 | 22 | | | | | |
| 23 | 50 | 37 | 44 | 0 | 36 | 40 | 21 | 0 | DZ FG BR | 0 | | 0.0 | T | 28.94 | 30.02 | 3.8 | 30 | 6.4 | 17 | 03 | 15 | 02 | 23 | | | | | |
| 24 | 48 | 31 | 40 | -4 | 32 | 37 | 25 | 0 | RA BR | 0 | | 0.0 | 0.09 | 29.04 | 30.10 | 1.5 | 30 | 3.5 | 12 | 29 | 10 | 26 | 24 | | | | | |
| 25 | 58 | 39 | 49 | 5 | 37 | 42 | 16 | 0 | RA BR | 0 | | 0.0 | T | 28.94 | 29.95 | 0.5 | 26 | 1.8 | 9 | 29 | 8 | 30 | 25 | | | | | |
| 26 | 58 | 34 | 46 | 1 | 39 | 43 | 19 | 0 | TS TSRA RA SN BR | 0 | | T | 0.67 | 28.61 | 29.67 | 9.1 | 26 | 11.7 | 35 | 30 | 25 | 27 | 26 | | | | | |
| 27 | 34 | 24 | 29* | -16 | 16 | 24 | 36 | 0 | SN BR HZ | 0 | | T | T | 28.94 | 30.04 | 11.9 | 28 | 12.3 | 30 | 27 | 23 | 28 | 27 | | | | | |
| 28 | 42 | 22 | 32 | -14 | 19 | 27 | 33 | 0 | | 0 | | 0.0 | 0.00 | 29.19 | 30.29 | 4.7 | 20 | 5.9 | 18 | 19 | 14 | 19 | 28 | | | | | |
| 29 | 50 | 29 | 40 | -6 | 33 | 37 | 25 | 0 | RA BR | 0 | | 0.0 | 0.21 | 29.21 | 30.28 | 5.6 | 24 | 7.9 | 24 | 24 | 18 | 24 | 29 | | | | | |
| 53.7 | | | | | | | | | 32.7 | 43.2 | ☼ | 31.6 | 38.3 | 21.5 | 0.0 | < MONTHLY AVERAGES TOTALS > | | | | T | 4.81 | 28.98 | 30.04 | 4.2 | 25 | 7.5 | < MONTHLY AVERAGES | |
| 2.0 | | 0.9 | | 1.4 | | <-----DEPARTURE FROM NORMAL -----> | | | | | | | | | | 0.80 | | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | GREATEST 24-HR PRECIPITATION : 1.48 | | | | | DATE : 03-04 | | | | | SEA LEVEL PRESSURE | | | | | DATE TIME | | | | |
| MONTHLY | | | | | | | | | GREATEST 24-HR SNOWFALL : T | | | | | DATE : 27+ | | | | | MAXIMUM : | | | | | 30.41 11 0856 | | | | |
| TOTAL DEPARTURE | | | | | | | | | GREATEST SNOW DEPTH : 0 | | | | | DATE : | | | | | MINIMUM : | | | | | 29.48 26 0753 | | | | |
| HEATING : | | | 624 | | -28 | | 2652 | | -276 | | NUMBER OF -> | | MAXIMUM TEMP >= 90 : | | 0 | | MINIMUM TEMP <= 32 : | | 16 | | PRECIPITATION >= 0.01 INCH: | | 11 | | | | | |
| COOLING : | | | 0 | | -1 | | 0 | | -1 | | THUNDERSTORMS : | | 3 | | 0 | | MINIMUM TEMP <= 0 : | | 0 | | PRECIPITATION >= 0.10 INCH: | | 8 | | | | | |
| | | | | | | | | | | | | | | | | | HEAVY FOG : | | 2 | | SNOWFALL >= 1.0 INCH : | | 0 | | | | | |

FEBRUARY 2008
KNOXVILLE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

KNOXVILLE, TN (KTYS)
FEBRUARY 2008

WBAN # 13891

| Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | Sum of Hourly Data | 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 | 0.16 | 0.04 | T | | T | 0.04 | 0.08 | 0.03 | | | | | 01 | T | | | | | | | | | | | | 01 | 0.35 | 0.35 |
| 02 | | | | | | | | | | | | | 02 | | | | | | | | | | | | | 02 | 0.00 | 0.00 |
| 03 | | | | | | | | | | | | | 03 | | | | 0.07 | 0.03 | 0.05 | 0.05 | 0.01 | | | | 03 | 0.21 | 0.21 | |
| 04 | | | | | | | | | T | T | 0.03 | 0.22 | 04 | 0.37 | 0.19 | 0.46 | 0.06 | | | | | | | | 04 | 1.33 | 1.33 | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | 0.00 | 0.00 | |
| 06 | | | | | | T | | | 0.02 | 0.53 | 0.23 | 0.11 | 0.02 | 06 | T | T | | | | | | | | | 06 | 0.91 | 0.91 | |
| 07 | | | | | | | | | | | | | | 07 | | | | | | | | | | | 07 | 0.00 | 0.00 | |
| 08 | | | | | | | | | | | | | | 08 | | | | | | | | | | | 08 | 0.00 | 0.00 | |
| 09 | | | | | | | | | | | | | | 09 | | | | | | | | | | | 09 | 0.00 | 0.00 | |
| 10 | | | | | | | | | | | | | | 10 | | | | | | | | | | | 10 | 0.00 | 0.00 | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | 0.00 | 0.00 | |
| 12 | | | | | | | | | | | | | 12 | | | | | | | | | | 0.09 | | 12 | 0.09 | 0.09 | |
| 13 | 0.19 | 0.05 | 0.08 | 0.04 | 0.09 | 0.04 | 0.01 | T | 0.01 | T | T | T | 13 | T | T | T | T | T | | | | | | | 13 | 0.51 | 0.51 | |
| 14 | | T | | | | | | | | | | | 14 | | | | | | | | | | | | 14 | T | T | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | 0.00 | 0.00 | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | 16 | 0.00 | 0.00 | |
| 17 | | | | | | | | | | | | | 17 | T | T | T | 0.20 | 0.10 | 0.05 | | | | | | 17 | 0.35 | 0.35 | |
| 18 | | | T | | | | | | | | | | 18 | | | | | | | | | | | | 18 | T | T | |
| 19 | | | | | | | | | | | | T | 19 | T | | | | | | | | | | | 19 | T | T | |
| 20 | | | | | | | | | | | | | 20 | | | T | | | | | | | | | 20 | T | T | |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | 0.00 | 0.00 | |
| 22 | | | | | | T | 0.04 | T | | 0.02 | 0.03 | T | 22 | | T | | | | | | | | | | 22 | 0.09 | 0.09 | |
| 23 | | | | | T | T | | | | | | | 23 | | | | | | | | | | | | 23 | T | T | |
| 24 | | | | | | | | | | | | | 24 | | | | | T | 0.06 | 0.02 | 0.01 | T | T | T | 24 | 0.09 | 0.09 | |
| 25 | T | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 | T | T | |
| 26 | | | | | 0.25 | 0.24 | 0.07 | 0.01 | | | 0.08 | 0.02 | 26 | T | T | | | T | T | T | | T | T | T | 26 | 0.67 | 0.67 | |
| 27 | T | T | T | T | T | | | T | | T | | T | 27 | T | T | | T | T | | | | | | | 27 | T | T | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | 0.00 | 0.00 | |
| 29 | | | | | | | | | | | | T | 29 | T | T | 0.03 | 0.04 | 0.07 | 0.02 | 0.04 | 0.01 | T | T | | 29 | 0.21 | 0.21 | |

* 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) | 0.24 | 0.32 | 0.38 | 0.45 | 0.51 | 0.58 | 0.66 | 0.73 | 0.76 | 0.77 | 0.89 | 1.05 |
| Ending Date | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 04 | 04 |
| Ending Time (Hr/Min) | 0837 | 0842 | 0847 | 0845 | 0850 | 0909 | 0925 | 0945 | 0952 | 0945 | 1450 | 1452 |

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.

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 | | | |

KNOXVILLE, TN FEBRUARY 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:

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 | SUNSHINE | | CLOUDINESS (OKTAS) | | | | VISIBILITY (MILES) | | RESERVED |
|---|------------------|---------------------|-----------------------|-----------|-----------|-----------|-----------------------|---------|----------|
| | TOTAL MINUTES | PERCENT POSSIBLE | SR-SS | | MN-MN | | MINIMUM | MAXIMUM | |
| | | | Sky Cover | Satellite | Sky Cover | Satellite | | | |
| 01 | | | | | | | 4.00 | 10.00 | |
| 02 | | | | | | | 6.00 | 10.00 | |
| 03 | | | | | | | 3.00 | 10.00 | |
| 04 | | | | | | | 0.25 | 6.00 | |
| 05 | | | | | | | 0.25 | 10.00 | |
| 06 | | | | | | | 3.00 | 10.00 | |
| 07 | | | | | | | 10.00 | 10.00 | |
| 08 | | | | | | | 10.00 | 10.00 | |
| 09 | | | | | | | 10.00 | 10.00 | |
| 10 | | | | | | | 10.00 | 10.00 | |
| 11 | | | | | | | 10.00 | 10.00 | |
| 12 | | | | | | | 4.00 | 10.00 | |
| 13 | | | | | | | 1.50 | 10.00 | |
| 14 | | | | | | | 9.00 | 10.00 | |
| 15 | | | | | | | 9.00 | 10.00 | |
| 16 | | | | | | | 10.00 | 10.00 | |
| 17 | | | | | | | 1.00 | 10.00 | |
| 18 | | | | | | | 10.00 | 10.00 | |
| 19 | | | | | | | 10.00 | 10.00 | |
| 20 | | | | | | | 10.00 | 10.00 | |
| 21 | | | | | | | 10.00 | 10.00 | |
| 22 | | | | | | | 1.00 | 10.00 | |
| 23 | | | | | | | 0.50 | 10.00 | |
| 24 | | | | | | | 4.00 | 10.00 | |
| 25 | | | | | | | 6.00 | 10.00 | |
| 26 | | | | | | | 2.50 | 10.00 | |
| 27 | | | | | | | 3.00 | 10.00 | |
| 28 | | | | | | | 10.00 | 10.00 | |
| 29 | | | | | | | 5.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | | | |
| SUNSHINE (Minutes) | | | | | | | | | |
| Total : 0 Possible : 18324 | | | | | | | | | |
| Percent Possible : 0 | | | | | | | | | |
| NUMBER OF DAYS WITH : | | | | | | | | | |
| SKY CONDITION | | | | | | | | | |
| Clear Partly CLDY Cloudy Missing | | | | | | | | | |
| MINIMUM VISIBILITY (MILES) | | | | | | | | | |
| <= .25 <= 3.0 >= 7.0 | | | | | | | | | |
| 2 10 13 | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
FEBRUARY 2008 KTYS

WBAN # 13891

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | |
|---------------|-----------|-------------------------|---------------------------|----------------------|-----------------------|--------------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|--|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION Tens of Deg | STATION | SEA LEVEL | |
| SUNRISE: 0736 | | | FEB 01 | | | SUNSET: 1803 | | | | | | | | | |
| 01 | OVC | 026 | | | 4.00 | RA BR | 38 | 36 | 37 | 93 | 8 | 10 | 28.94 | 30.00 | |
| 04 | OVC | 050 | | | 10.00 | | 41 | 39 | 40 | 93 | 7 | 31 | 28.78 | 29.82 | |
| 07 | OVC | 025 | | | 4.00 | -RA BR | 42 | 40 | 41 | 93 | 15 | 23 | 28.82 | 29.86 | |
| 10 | BKN | 037 | | | 10.00 | | 43 | 37 | 40 | 79 | 22 | 23 | 28.90 | 29.95 | |
| 13 | OVC | 033 | | | 10.00 | DZ | 41 | 32 | 37 | 70 | 22 | 22 | 28.97 | 30.03 | |
| 16 | OVC | 036 | | | 10.00 | | 41 | 29 | 36 | 62 | 14 | 25 | 29.04 | 30.09 | |
| 19 | SCT | 032 | | | 10.00 | | 36 | 26 | 32 | 67 | 9 | 27 | 29.13 | 30.19 | |
| 22 | CLR | NC | | | 10.00 | | 30 | 24 | 28 | 78 | 5 | 21 | 29.19 | 30.26 | |
| SUNRISE: 0735 | | | FEB 02 | | | SUNSET: 1804 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 27 | 24 | 26 | 88 | 0 | 00 | 29.18 | 30.25 | |
| 04 | CLR | NC | | | 8.00 | | 26 | 23 | 25 | 88 | 3 | 04 | 29.18 | 30.25 | |
| 07 | CLR | NC | | | 7.00 | | 25 | 22 | 24 | 88 | 0 | 00 | 29.23 | 30.31 | |
| 10 | FEW | 120 | | | 6.00 | BR | 31 | 27 | 30 | 85 | 5 | 03 | 29.22 | 30.30 | |
| 13 | CLR | NC | | | 10.00 | | 42 | 31 | 37 | 65 | 5 | 23 | 29.18 | 30.26 | |
| 16 | FEW | 120 | | | 10.00 | | 53 | 32 | 44 | 45 | 5 | 01 | 29.09 | 30.15 | |
| 19 | CLR | NC | | | 10.00 | | 48 | 26 | 39 | 42 | 0 | 00 | 29.10 | 30.16 | |
| 22 | CLR | NC | | | 10.00 | | 42 | 29 | 37 | 60 | 0 | 00 | 29.14 | 30.20 | |
| SUNRISE: 0735 | | | FEB 03 | | | SUNSET: 1805 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 37 | 30 | 34 | 76 | 3 | 20 | 29.15 | 30.22 | |
| 04 | FEW | 120 | | | 10.00 | | 36 | 29 | 33 | 76 | 0 | 00 | 29.18 | 30.23 | |
| 07 | FEW | 120 | | | 10.00 | | 33 | 28 | 31 | 82 | 0 | 00 | 29.21 | 30.27 | |
| 10 | CLR | NC | | | 10.00 | | 42 | 32 | 38 | 68 | 5 | 03 | 29.21 | 30.28 | |
| 13 | CLR | NC | | | 10.00 | | 51 | 35 | 44 | 54 | 5 | 35 | 29.15 | 30.21 | |
| 16 | OVC | 070 | | | 3.00 | RA | 48 | 41 | 45 | 77 | 0 | 00 | 29.11 | 30.17 | |
| 19 | OVC | 065 | | | 7.00 | -RA | 46 | 43 | 45 | 89 | 5 | 13 | 29.12 | 30.18 | |
| 22 | BKN | 009 | | | 6.00 | BR | 44 | 42 | 43 | 93 | 5 | 07 | 29.10 | 30.16 | |
| SUNRISE: 0734 | | | FEB 04 | | | SUNSET: 1806 | | | | | | | | | |
| 01 | OVC | 003 | | | 1.00 | BR | 45 | 43 | 44 | 93 | 3 | 27 | 29.09 | 30.14 | |
| 04 | OVC | 055 | | | 0.25 | FG | 44 | 43 | 44 | 96 | 0 | 00 | 29.10 | 30.14 | |
| 07 | OVC | 033 | | | 3.00 | BR | 44 | 43 | 44 | 96 | 3 | 35 | 29.10 | 30.16 | |
| 10 | OVC | 029 | | | 4.00 | -RA BR | 47 | 44 | 46 | 89 | 3 | 08 | 29.10 | 30.15 | |
| 13 | OVC | 042 | | | 1.00 | -RA BR | 46 | 45 | 46 | 96 | 7 | 08 | 29.08 | 30.13 | |
| 16 | OVC | 007 | | | 1.50 | BR | 48 | 46 | 47 | 93 | 5 | 01 | 29.05 | 30.10 | |
| 19 | OVC | 024 | | | 3.00 | BR | 49 | 47 | 48 | 93 | 3 | 03 | 29.07 | 30.12 | |
| 22 | OVC | 100 | | | 6.00 | BR | 48 | 47 | 47 | 96 | 3 | 08 | 29.06 | 30.11 | |
| SUNRISE: 0733 | | | FEB 05 | | | SUNSET: 1807 | | | | | | | | | |
| 01 | VV | 001 | | | 0.25 | FG | 46 | 45 | 46 | 96 | 5 | 04 | 29.06 | 30.11 | |
| 04 | OVC | 050 | | | 1.00 | BR | 45 | 44 | 45 | 96 | 0 | 00 | 29.06 | 30.11 | |
| 07 | OVC | 055 | | | 6.00 | BR | 46 | 45 | 46 | 96 | 0 | 00 | 29.06 | 30.11 | |
| 10 | FEW | 065 | | | 8.00 | | 56 | 53 | 54 | 90 | 3 | 31 | 29.05 | 30.09 | |
| 13 | SCT | 060 | | | 10.00 | | 72 | 55 | 62 | 55 | 17 | 22 | 28.97 | 30.00 | |
| 16 | OVC | 080 | | | 10.00 | | 70 | 57 | 62 | 64 | 11 | 25 | 28.91 | 29.95 | |
| 19 | BKN | 100 | | | 10.00 | | 65 | 55 | 59 | 70 | 7 | 20 | 28.86 | 29.90 | |
| 22 | OVC | 090 | | | 10.00 | | 67 | 56 | 61 | 68 | 14 | 20 | 28.82 | 29.85 | |
| SUNRISE: 0732 | | | FEB 06 | | | SUNSET: 1808 | | | | | | | | | |
| 01 | OVC | 090 | | | 10.00 | | 69 | 56 | 61 | 63 | 18 | 20 | 28.79 | 29.80 | |
| 04 | SCT | 100 | | | 10.00 | | 67 | 54 | 59 | 63 | 21 | 20 | 28.73 | 29.74 | |
| 07 | OVC | 070 | | | 10.00 | | 68 | 56 | 61 | 66 | 23 | 19 | 28.65 | 29.66 | |
| 10 | BKN | 030 | | | 7.00 | -RA | 61 | 58 | 59 | 90 | 14 | 18 | 28.62 | 29.63 | |
| 13 | OVC | 037 | | | 10.00 | -RA | 65 | 59 | 61 | 81 | 26 | 23 | 28.58 | 29.59 | |
| 16 | BKN | 090 | | | 10.00 | | 66 | 41 | 53 | 40 | 26 | 23 | 28.54 | 29.55 | |
| 19 | FEW | 040 | | | 10.00 | | 56 | 31 | 45 | 39 | 20 | 24 | 28.66 | 29.68 | |
| 22 | CLR | NC | | | 10.00 | | 47 | 35 | 42 | 63 | 16 | 27 | 28.79 | 29.82 | |
| SUNRISE: 0731 | | | FEB 07 | | | SUNSET: 1809 | | | | | | | | | |
| 01 | SCT | 041 | | | 10.00 | | 42 | 30 | 37 | 63 | 15 | 25 | 28.86 | 29.90 | |
| 04 | OVC | 037 | | | 10.00 | | 39 | 27 | 34 | 62 | 7 | 25 | 28.92 | 29.96 | |
| 07 | OVC | 031 | | | 10.00 | | 37 | 26 | 33 | 65 | 11 | 26 | 28.96 | 30.01 | |
| 10 | BKN | 031 | | | 10.00 | | 38 | 25 | 33 | 60 | 0 | 00 | 28.99 | 30.04 | |
| 13 | CLR | NC | | | 10.00 | | 43 | 27 | 37 | 53 | 0 | 00 | 28.92 | 29.97 | |
| 16 | CLR | NC | | | 10.00 | | 49 | 27 | 40 | 43 | 0 | 00 | 28.85 | 29.90 | |
| 19 | CLR | NC | | | 10.00 | | 45 | 26 | 37 | 47 | 3 | 27 | 28.86 | 29.91 | |
| 22 | CLR | NC | | | 10.00 | | 41 | 28 | 36 | 60 | 0 | 00 | 28.86 | 29.92 | |
| SUNRISE: 0730 | | | FEB 08 | | | SUNSET: 1810 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 38 | 31 | 35 | 76 | 7 | 24 | 28.87 | 29.93 | |
| 04 | CLR | NC | | | 10.00 | | 36 | 29 | 33 | 76 | 6 | 24 | 28.87 | 29.92 | |
| 07 | OVC | 085 | | | 10.00 | | 37 | 30 | 34 | 76 | 0 | 00 | 28.91 | 29.96 | |
| 10 | CLR | NC | | | 10.00 | | 45 | 33 | 40 | 63 | 0 | 00 | 28.94 | 29.99 | |
| 13 | CLR | NC | | | 10.00 | | 52 | 32 | 43 | 47 | 3 | 24 | 28.91 | 29.96 | |
| 16 | CLR | NC | | | 10.00 | | 55 | 32 | 45 | 42 | 6 | 28 | 28.85 | 29.89 | |
| 19 | CLR | NC | | | 10.00 | | 51 | 31 | 42 | 46 | 0 | 00 | 28.85 | 29.90 | |
| 22 | CLR | NC | | | 10.00 | | 44 | 32 | 39 | 63 | 0 | 00 | 28.87 | 29.92 | |
| SUNRISE: 0729 | | | FEB 09 | | | SUNSET: 1811 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 41 | 32 | 37 | 70 | 6 | 22 | 28.85 | 29.90 | |
| 04 | CLR | NC | | | 10.00 | | 42 | 30 | 37 | 63 | 6 | 22 | 28.86 | 29.91 | |
| 07 | FEW | 075 | | | 10.00 | | 41 | 31 | 37 | 68 | 7 | 26 | 28.87 | 29.92 | |
| 10 | FEW | 070 | | | 10.00 | | 49 | 34 | 42 | 56 | 7 | 23 | 28.91 | 29.96 | |
| 13 | SCT | 070 | | | 10.00 | | 56 | 31 | 45 | 39 | 18 | 26 | 28.93 | 29.97 | |
| 16 | FEW | 060 | | | 10.00 | | 56 | 18 | 41 | 23 | 18 | 25 | 28.95 | 30.00 | |
| 19 | CLR | NC | | | 10.00 | | 49 | 17 | 37 | 28 | 8 | 25 | 29.00 | 30.05 | |
| 22 | CLR | NC | | | 10.00 | | 41 | 21 | 34 | 45 | 10 | 22 | 29.04 | 30.09 | |
| SUNRISE: 0728 | | | FEB 10 | | | SUNSET: 1812 | | | | | | | | | |
| 01 | FEW | 020 | | | 10.00 | | 41 | 21 | 34 | 45 | 10 | 20 | 29.05 | 30.10 | |
| 04 | CLR | NC | | | 10.00 | | 36 | 23 | 31 | 59 | 11 | 21 | 29.08 | 30.13 | |
| 07 | CLR | NC | | | 10.00 | | 36 | 23 | 31 | 59 | 6 | 23 | 29.14 | 30.20 | |
| 10 | SCT | 120 | | | 10.00 | | 48 | 26 | 39 | 42 | 16 | 23 | 29.16 | 30.23 | |
| 13 | FEW | 090 | | | 10.00 | | 52 | 26 | 41 | 37 | 15 | 29 | 29.18 | 30.24 | |
| 16 | BKN | 110 | | | 10.00 | | 51 | 27 | 41 | 39 | 18 | 28 | 29.18 | 30.24 | |
| 19 | FEW | 050 | | | 10.00 | | 39 | 18 | 32 | 43 | 11 | 29 | 29.27 | 30.35 | |
| 22 | CLR | NC | | | 10.00 | | 33 | 9 | 26 | 36 | 9 | 28 | 29.31 | 30.38 | |
| SUNRISE: 0727 | | | FEB 11 | | | SUNSET: 1813 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 27 | 8 | 22 | 44 | 7 | 34 | 29.30 | 30.37 | |
| 04 | CLR | NC | | | 10.00 | | 24 | 6 | 19 | 46 | 5 | 36 | 29.29 | 30.36 | |
| 07 | FEW | 100 | | | 10.00 | | 21 | 5 | 17 | 50 | 6 | 05 | 29.31 | 30.39 | |
| 10 | CLR | NC | | | 10.00 | | 28 | 4 | 22 | 36 | 5 | VR | 29.30 | 30.38 | |
| 13 | CLR | NC | | | 10.00 | | 38 | 9 | 29 | 30 | 0 | 00 | 29.24 | 30.32 | |
| 16 | CLR | NC | | | 10.00 | | 49 | 14 | 36 | 25 | 3 | 34 | 29.15 | 30.22 | |
| 19 | FEW | 100 | | | 10.00 | | 45 | 14 | 34 | 29 | 0 | 00 | 29.12 | 30.19 | |
| 22 | CLR | NC | | | 10.00 | | 36 | 19 | 30 | 50 | 0 | 00 | 29.11 | 30.18 | |
| SUNRISE: 0726 | | | FEB 12 | | | SUNSET: 1814 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 34 | 17 | 28 | 50 | 0 | 00 | 29.04 | 30.11 | |
| 04 | CLR | NC | | | 10.00 | | 33 | 18 | 28 | 54 | 0 | 00 | 29.01 | 30.06 | |
| 07 | SCT | 120 | | | 10.00 | | 31 | 19 | 27 | 61 | 6 | 03 | 28.94 | 30.00 | |
| 10 | SCT | 110 | | | 10.00 | | 43 | 24 | 36 | 47 | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN
FEBRUARY 2008 KTYS

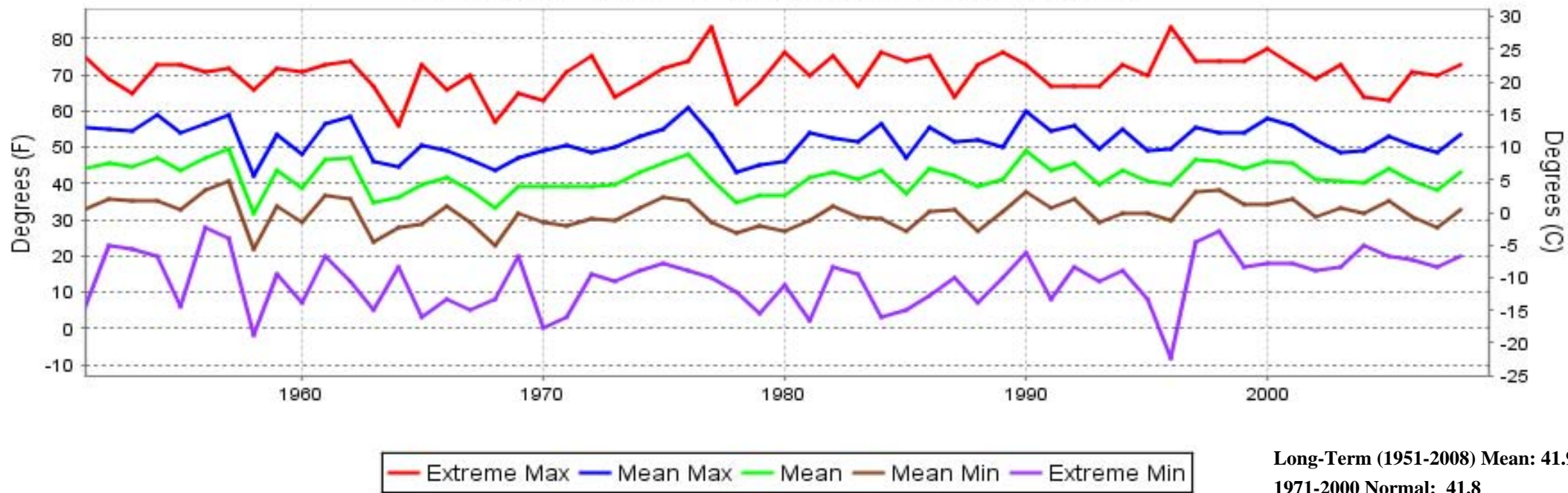
WBAN # 13891

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | |
|---------------|-----------|-------------------------|---------------------------|----------------------|-----------------------|--------------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|--|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION Tens of Deg | STATION | SEA LEVEL | |
| SUNRISE: 0725 | | | FEB 13 | | | SUNSET: 1815 | | | | | | | | | |
| 01 | OVC | 065 | | | 6.00 | RA BR | 51 | 49 | 50 | 93 | 5 | 31 | 28.62 | 29.65 | |
| 04 | OVC | 005 | | | 3.00 | -RA BR | 43 | 42 | 43 | 96 | 6 | 29 | 28.64 | 29.67 | |
| 07 | OVC | 017 | | | 7.00 | -RA BR | 36 | 33 | 35 | 89 | 8 | 35 | 28.70 | 29.74 | |
| 10 | OVC | 027 | | | 4.00 | BR | 32 | 28 | 30 | 85 | 13 | 34 | 28.77 | 29.80 | |
| 13 | OVC | 014 | | | 4.00 | HZ | 30 | 24 | 28 | 78 | 7 | 01 | 28.81 | 29.86 | |
| 16 | OVC | 022 | | | 7.00 | -SN | 29 | 21 | 26 | 72 | 7 | 35 | 28.84 | 29.91 | |
| 19 | OVC | 026 | | | 10.00 | | 27 | 17 | 24 | 66 | 8 | 35 | 28.95 | 30.02 | |
| 22 | OVC | 027 | | | 10.00 | | 26 | 17 | 23 | 69 | 7 | 36 | 29.04 | 30.11 | |
| SUNRISE: 0724 | | | FEB 14 | | | SUNSET: 1816 | | | | | | | | | |
| 01 | OVC | 023 | | | 10.00 | | 26 | 18 | 23 | 72 | 7 | 03 | 29.07 | 30.14 | |
| 04 | CLR | NC | | | 10.00 | | 24 | 16 | 22 | 71 | 7 | 02 | 29.07 | 30.15 | |
| 07 | CLR | NC | | | 10.00 | | 22 | 16 | 20 | 78 | 3 | 34 | 29.16 | 30.25 | |
| 10 | CLR | NC | | | 10.00 | | 28 | 18 | 25 | 66 | 5 | 06 | 29.21 | 30.30 | |
| 13 | CLR | NC | | | 10.00 | | 37 | 24 | 32 | 59 | 0 | 00 | 29.18 | 30.25 | |
| 16 | CLR | NC | | | 10.00 | | 45 | 29 | 38 | 54 | 5 | 23 | 29.12 | 30.18 | |
| 19 | CLR | NC | | | 10.00 | | 43 | 26 | 36 | 51 | 0 | 00 | 29.13 | 30.19 | |
| 22 | CLR | NC | | | 10.00 | | 37 | 28 | 33 | 70 | 0 | 00 | 29.15 | 30.21 | |
| SUNRISE: 0723 | | | FEB 15 | | | SUNSET: 1817 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 32 | 28 | 30 | 85 | 0 | 00 | 29.15 | 30.21 | |
| 04 | CLR | NC | | | 10.00 | | 31 | 26 | 29 | 82 | 3 | 19 | 29.21 | 30.27 | |
| 07 | BKN | 070 | | | 10.00 | | 31 | 27 | 30 | 85 | 0 | 00 | 29.23 | 30.30 | |
| 10 | CLR | NC | | | 10.00 | | 43 | 30 | 38 | 60 | 0 | 00 | 29.25 | 30.32 | |
| 13 | CLR | NC | | | 10.00 | | 56 | 35 | 46 | 45 | 7 | 26 | 29.19 | 30.25 | |
| 16 | FEW | 120 | | | 10.00 | | 58 | 37 | 48 | 46 | 6 | 23 | 29.15 | 30.21 | |
| 19 | OVC | 065 | | | 10.00 | | 54 | 38 | 46 | 55 | 6 | 23 | 29.15 | 30.22 | |
| 22 | BKN | 055 | | | 10.00 | | 52 | 38 | 45 | 59 | 6 | 25 | 29.18 | 30.23 | |
| SUNRISE: 0722 | | | FEB 16 | | | SUNSET: 1818 | | | | | | | | | |
| 01 | SCT | 046 | | | 10.00 | | 51 | 37 | 45 | 59 | 0 | 00 | 29.15 | 30.20 | |
| 04 | OVC | 046 | | | 10.00 | | 48 | 39 | 44 | 71 | 0 | 00 | 29.15 | 30.20 | |
| 07 | OVC | 070 | | | 10.00 | | 46 | 38 | 42 | 74 | 5 | 02 | 29.16 | 30.22 | |
| 10 | OVC | 060 | | | 10.00 | | 51 | 37 | 45 | 59 | 5 | 03 | 29.18 | 30.23 | |
| 13 | FEW | 055 | | | 10.00 | | 58 | 40 | 49 | 51 | 0 | 00 | 29.12 | 30.16 | |
| 16 | FEW | 060 | | | 10.00 | | 61 | 43 | 52 | 52 | 0 | 00 | 29.04 | 30.08 | |
| 19 | CLR | NC | | | 10.00 | | 57 | 43 | 50 | 60 | 5 | 06 | 29.03 | 30.07 | |
| 22 | BKN | 120 | | | 10.00 | | 54 | 43 | 49 | 67 | 7 | 04 | 28.99 | 30.03 | |
| SUNRISE: 0721 | | | FEB 17 | | | SUNSET: 1819 | | | | | | | | | |
| 01 | FEW | 110 | | | 10.00 | | 51 | 42 | 47 | 71 | 3 | VR | 28.91 | 29.95 | |
| 04 | CLR | NC | | | 10.00 | | 59 | 38 | 49 | 46 | 15 | 15 | 28.86 | 29.90 | |
| 07 | FEW | 110 | | | 10.00 | | 56 | 40 | 48 | 55 | 5 | 13 | 28.82 | 29.85 | |
| 10 | BKN | 120 | | | 10.00 | | 64 | 41 | 52 | 43 | 21 | 18 | 28.79 | 29.83 | |
| 13 | BKN | 100 | | | 10.00 | | 64 | 49 | 56 | 58 | 21 | 18 | 28.68 | 29.70 | |
| 16 | OVC | 049 | | | 1.00 | +RA | 59 | 54 | 56 | 84 | 11 | 19 | 28.58 | 29.60 | |
| 19 | BKN | 110 | | | 10.00 | | 60 | 54 | 57 | 81 | 14 | 22 | 28.56 | 29.58 | |
| 22 | CLR | NC | | | 10.00 | | 59 | 54 | 56 | 84 | 11 | 21 | 28.59 | 29.61 | |
| SUNRISE: 0720 | | | FEB 18 | | | SUNSET: 1820 | | | | | | | | | |
| 01 | SCT | 060 | | | 10.00 | | 55 | 49 | 52 | 80 | 13 | 21 | 28.61 | 29.63 | |
| 04 | BKN | 049 | | | 10.00 | | 50 | 44 | 47 | 80 | 5 | 20 | 28.65 | 29.68 | |
| 07 | OVC | 031 | | | 10.00 | | 45 | 36 | 41 | 71 | 14 | 27 | 28.75 | 29.78 | |
| 10 | OVC | 031 | | | 10.00 | | 42 | 33 | 38 | 71 | 15 | 30 | 28.82 | 29.86 | |
| 13 | OVC | 044 | | | 10.00 | | 43 | 29 | 37 | 58 | 15 | 26 | 28.86 | 29.90 | |
| 16 | BKN | 060 | | | 10.00 | | 47 | 28 | 39 | 48 | 14 | 25 | 28.84 | 29.87 | |
| 19 | SCT | 070 | | | 10.00 | | 43 | 23 | 35 | 45 | 7 | 27 | 28.88 | 29.93 | |
| 22 | BKN | 080 | | | 10.00 | | 41 | 20 | 33 | 43 | 9 | 27 | 28.97 | 30.02 | |
| SUNRISE: 0719 | | | FEB 19 | | | SUNSET: 1821 | | | | | | | | | |
| 01 | OVC | 075 | | | 10.00 | | 39 | 21 | 32 | 48 | 11 | 26 | 29.01 | 30.07 | |
| 04 | CLR | NC | | | 10.00 | | 32 | 22 | 28 | 67 | 11 | 24 | 29.02 | 30.08 | |
| 07 | FEW | 040 | | | 10.00 | | 30 | 21 | 27 | 69 | 9 | 21 | 29.03 | 30.09 | |
| 10 | BKN | 065 | | | 10.00 | | 39 | 24 | 33 | 55 | 21 | 23 | 29.07 | 30.13 | |
| 13 | OVC | 036 | | | 10.00 | -RA | 40 | 29 | 36 | 65 | 16 | 25 | 29.09 | 30.15 | |
| 16 | BKN | 060 | | | 10.00 | | 45 | 22 | 36 | 40 | 22 | 25 | 29.06 | 30.12 | |
| 19 | CLR | NC | | | 10.00 | | 41 | 14 | 32 | 33 | 17 | 25 | 29.10 | 30.16 | |
| 22 | CLR | NC | | | 10.00 | | 35 | 15 | 28 | 44 | 7 | 24 | 29.11 | 30.17 | |
| SUNRISE: 0717 | | | FEB 20 | | | SUNSET: 1822 | | | | | | | | | |
| 01 | OVC | 075 | | | 10.00 | | 33 | 18 | 28 | 54 | 5 | 23 | 29.10 | 30.16 | |
| 04 | OVC | 090 | | | 10.00 | | 36 | 20 | 30 | 52 | 5 | 21 | 29.06 | 30.11 | |
| 07 | SCT | 090 | | | 10.00 | | 36 | 21 | 31 | 55 | 8 | 29 | 29.03 | 30.09 | |
| 10 | FEW | 110 | | | 10.00 | | 50 | 27 | 40 | 41 | 26 | 22 | 29.04 | 30.10 | |
| 13 | BKN | 100 | | | 10.00 | | 54 | 29 | 43 | 38 | 26 | 22 | 29.03 | 30.08 | |
| 16 | BKN | 090 | | | 10.00 | | 56 | 29 | 44 | 36 | 23 | 24 | 29.00 | 30.05 | |
| 19 | OVC | 060 | | | 10.00 | | 53 | 33 | 44 | 47 | 10 | 33 | 29.05 | 30.10 | |
| 22 | OVC | 060 | | | 10.00 | | 42 | 27 | 36 | 55 | 8 | 02 | 29.14 | 30.19 | |
| SUNRISE: 0716 | | | FEB 21 | | | SUNSET: 1823 | | | | | | | | | |
| 01 | OVC | 075 | | | 10.00 | | 37 | 22 | 32 | 55 | 8 | 01 | 29.18 | 30.23 | |
| 04 | BKN | 070 | | | 10.00 | | 33 | 24 | 30 | 70 | 7 | 03 | 29.16 | 30.23 | |
| 07 | SCT | 070 | | | 10.00 | | 30 | 23 | 28 | 75 | 7 | 03 | 29.16 | 30.22 | |
| 10 | OVC | 050 | | | 10.00 | | 35 | 26 | 32 | 70 | 9 | 04 | 29.16 | 30.23 | |
| 13 | BKN | 080 | | | 10.00 | | 40 | 28 | 35 | 62 | 6 | 01 | 29.09 | 30.14 | |
| 16 | FEW | 075 | | | 10.00 | | 42 | 29 | 37 | 60 | 0 | 00 | 29.00 | 30.06 | |
| 19 | SCT | 075 | | | 10.00 | | 42 | 29 | 37 | 60 | 0 | 00 | 28.97 | 30.04 | |
| 22 | BKN | 070 | | | 10.00 | | 39 | 31 | 36 | 73 | 7 | 32 | 28.95 | 30.01 | |
| SUNRISE: 0715 | | | FEB 22 | | | SUNSET: 1824 | | | | | | | | | |
| 01 | SCT | 075 | | | 8.00 | | 38 | 31 | 35 | 76 | 0 | 00 | 28.93 | 29.98 | |
| 04 | OVC | 043 | | | 10.00 | | 38 | 33 | 36 | 82 | 3 | 08 | 28.86 | 29.91 | |
| 07 | OVC | 044 | | | 6.00 | -RA BR | 39 | 36 | 38 | 89 | 3 | 06 | 28.82 | 29.87 | |
| 10 | OVC | 034 | | | 1.50 | -RA BR | 40 | 38 | 39 | 93 | 6 | 27 | 28.85 | 29.91 | |
| 13 | OVC | 006 | | | 2.00 | BR | 45 | 42 | 44 | 89 | 0 | 00 | 28.82 | 29.86 | |
| 16 | OVC | 006 | | | 2.00 | BR | 48 | 45 | 47 | 89 | 3 | 24 | 28.78 | 29.82 | |
| 19 | OVC | 015 | | | 1.00 | BR | 48 | 47 | 47 | 96 | 5 | 22 | 28.82 | 29.86 | |
| 22 | OVC | 004 | | | 2.00 | BR | 49 | 48 | 48 | 96 | 3 | 23 | 28.82 | 29.88 | |
| SUNRISE: 0714 | | | FEB 23 | | | SUNSET: 1825 | | | | | | | | | |
| 01 | OVC | 002 | | | 1.00 | BR | 50 | 49 | 49 | 96 | 7 | 26 | 28.81 | 29.84 | |
| 04 | OVC | 003 | | | 6.00 | BR | 48 | 47 | 47 | 96 | 6 | 24 | 28.82 | 29.86 | |
| 07 | OVC | 021 | | | 10.00 | | 43 | 39 | 41 | 86 | 9 | 24 | 28.87 | 29.92 | |
| 10 | OVC | 015 | | | 10.00 | | 39 | 34 | 37 | 82 | 10 | 29 | 28.97 | 30.02 | |
| 13 | OVC | 017 | | | 10.00 | | 40 | 34 | 37 | 79 | 0 | 00 | 29.01 | 30.06 | |
| 16 | OVC | 021 | | | 10.00 | | 41 | 32 | 37 | 70 | 3 | 34 | 29.01 | 30.07 | |
| 19 | OVC | 032 | | | 10.00 | | 41 | 33 | 38 | 73 | 0 | 00 | 29.09 | 30.15 | |
| 22 | OVC | 032 | | | 10.00 | | 38 | 30 | 35 | 73 | 13 | 03 | 29.09 | 30.15 | |
| SUNRISE: 0713 | | | FEB 24 | | | SUNSET: 1826 | | | | | | | | | |
| 01 | OVC | 028 | | | 10.00 | | 36 | 28 | 33 | 73 | 6 | 02 | 29.08 | 30.14 | |
| 04 | FEW | 026 | | | 10.00 | | 33 | 27 | 31 | 79 | 5 | 35 | 29.06 | 30.12 | |
| 07 | BKN | 110 | | | 10.00 | | 33 | 29 | 31 | 85 | 0 | 00 | 29.06 | 30.13 | |
| 10 | SCT | 120 | | | 10. | | | | | | | | | | |

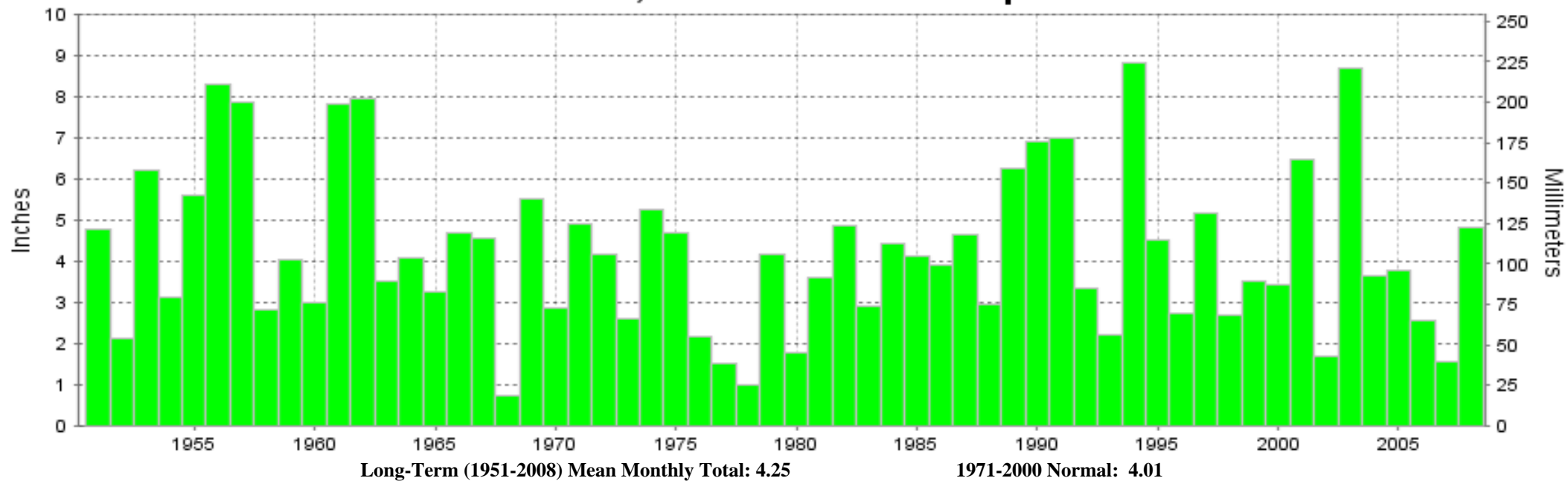
WBAN # 13891

| 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) | SPEED | DIRECTION |
| | | | | | | | STATION | SEA LEVEL | | | | |
| 01 | | | 40 | 31 | 37 | 73 | 28.99 | 30.04 | 8.39 | 6 | 4 | 24 |
| 02 | | | 39 | 31 | 36 | 74 | 28.99 | 30.04 | 8.77 | 6 | 4 | 24 |
| 03 | | | 39 | 30 | 36 | 73 | 28.98 | 30.03 | 8.80 | 6 | 4 | 24 |
| 04 | | | 38 | 30 | 35 | 74 | 28.98 | 30.03 | 8.84 | 6 | 3 | 23 |
| 05 | | | 38 | 30 | 35 | 75 | 28.98 | 30.03 | 8.63 | 6 | 4 | 24 |
| 06 | | | 37 | 30 | 34 | 76 | 28.99 | 30.04 | 8.56 | 6 | 3 | 23 |
| 07 | | | 37 | 30 | 34 | 76 | 28.99 | 30.05 | 9.00 | 6 | 3 | 24 |
| 08 | | | 38 | 30 | 35 | 76 | 29.00 | 30.06 | 8.64 | 7 | 4 | 25 |
| 09 | | | 40 | 31 | 36 | 73 | 29.02 | 30.07 | 8.78 | 7 | 5 | 25 |
| 10 | | | 42 | 31 | 38 | 67 | 29.02 | 30.07 | 8.91 | 9 | 5 | 25 |
| 11 | | | 44 | 32 | 39 | 65 | 29.02 | 30.08 | 8.76 | 9 | 6 | 25 |
| 12 | | | 46 | 33 | 41 | 63 | 29.01 | 30.07 | 9.01 | 9 | 7 | 26 |
| 13 | | | 48 | 33 | 42 | 59 | 28.99 | 30.04 | 9.21 | 10 | 8 | 26 |
| 14 | | | 49 | 34 | 42 | 58 | 28.97 | 30.02 | 9.13 | 10 | 9 | 26 |
| 15 | | | 49 | 33 | 42 | 55 | 28.96 | 30.01 | 9.03 | 10 | 8 | 26 |
| 16 | | | 50 | 33 | 42 | 56 | 28.96 | 30.01 | 8.64 | 10 | 9 | 26 |
| 17 | | | 49 | 32 | 42 | 55 | 28.96 | 30.01 | 9.22 | 9 | 8 | 26 |
| 18 | | | 48 | 32 | 41 | 58 | 28.97 | 30.02 | 9.12 | 7 | 6 | 25 |
| 19 | | | 46 | 32 | 40 | 60 | 28.98 | 30.04 | 8.97 | 7 | 5 | 25 |
| 20 | | | 45 | 32 | 39 | 62 | 28.99 | 30.05 | 9.17 | 7 | 4 | 24 |
| 21 | | | 44 | 32 | 39 | 65 | 29.00 | 30.05 | 9.38 | 6 | 4 | 24 |
| 22 | | | 43 | 32 | 38 | 67 | 29.00 | 30.06 | 9.41 | 7 | 4 | 24 |
| 23 | | | 42 | 32 | 38 | 69 | 29.01 | 30.06 | 9.31 | 7 | 3 | 24 |
| 24 | | | 41 | 32 | 37 | 71 | 29.00 | 30.06 | 8.84 | 6 | 5 | 25 |

KNOXVILLE, TN FEBRUARY Temperatures



KNOXVILLE, TN FEBRUARY Precipitation

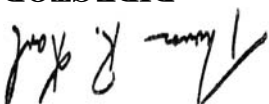




FEBRUARY 2008
KNOXVILLE, TN

LOCAL CLIMATOLOGICAL DATA **NOAA, National Climatic Data Center**

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