



# OCTOBER 2000

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# KNOXVILLE, TN

MC GHEE TYSON AIRPORT (TYS)  
 Lat: 35° 49' N Long: 83° 59' W Elev (Ground): 992 Feet  
 Time Zone: EASTERN WBAN: 13891 ISSN #: 0198-4810

OCTOBER 2000  
KNOXVILLE, TN

| DATE               | TEMPERATURE °F |         |         |                    |                   |                     |         | DEG DAYS<br>BASE 65° |               | WEATHER                                   | SNOW/ICE<br>ON GND(IN) |             | PRECIPITATION<br>(INCHES) |                    | PRESSURE<br>(INCHES OF HG)          |                    | WIND SPEED = MPH<br>DIR = TENS OF DEGREES |                  |         |                        |                  |                     |              |                              | DATE                   |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
|--------------------|----------------|---------|---------|--------------------|-------------------|---------------------|---------|----------------------|---------------|---|------------------------|-------------|---------------------------|--------------------|-------------------------------------|--------------------|---|------------------|---------|------------------------|------------------|---------------------|--------------|------------------------------|------------------------|-------|----------------------|--|------------------------------|--|--|--|--|--|--|--|--|--|
|                    | MAXIMUM        | MINIMUM | AVERAGE | DEP FROM<br>NORMAL | AVERAGE<br>DEW PT | AVERAGE<br>WET BULB | HEATING | COOLING              | 0700<br>LST   |   | 1300<br>LST            | 2400<br>LST | 2400<br>LST               | AVERAGE<br>STATION | AVERAGE<br>SEA<br>LEVEL             | RESULTANT<br>SPEED | RES DIR                                   | AVERAGE<br>SPEED | MAXIMUM |                        |                  |                     |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
|                    |                |         |         |                    |                   |                     |         |                      |               |   |                        |             |                           |                    |                                     |                    |   |                  | 5-SEC   |                        | 2-MIN            |                     |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
|                    |                |         |         |                    |                   |                     |         |                      |               |   |                        |             |                           |                    |                                     |                    |   |                  | SPEED   | DIR                    | SPEED            | DIR                 |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 1                  | 2              | 3       | 4       | 5                  | 6                 | 7                   | 8       | 9                    | 10            | 11  | 12                     | 13          | 14                        | 15                 | 16                                  | 17                 | 18  | 19               | 20      | 21                     | 22               | 23                  | 24           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 01                 | 77             | 51      | 64      | -1                 | 53                | 58                  | 1       | 0                    | BR            |   |                        |             | 0.00                      | 29.02              | 30.06                               | 1.0                | 08  | 1.0              | 10      | 09                     | 8                | 10                  | 01           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 02                 | 79             | 52      | 66      | 2                  | 56                | 60                  | 0       | 1                    |               |   |                        |             | 0.00                      | 28.98              | 30.02                               | 3.7                | 22  | 4.0              | 16      | 24                     | 13               | 21                  | 02           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 03                 | 83             | 57      | 70      | 6                  | 60                | 63                  | 0       | 5                    | BR            |   |                        |             | 0.00                      | 29.00              | 30.04                               | 0.5                | 26  | .7               | 13      | 24                     | 9                | 23                  | 03           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 04                 | 83*            | 58      | 71      | 8                  | 61                | 65                  | 0       | 6                    | BR HZ         |   |                        |             | 0.00                      | 28.98              | 30.01                               | 0.5                | 28  | .8               | 9       | 20                     | 7                | 19                  | 04           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 05                 | 82             | 60      | 71*     | 9                  | 60                | 64                  | 0       | 6                    | BR HZ         |   |                        |             | 0.00                      | 28.93              | 29.96                               | 5.7                | 23  | 6.3              | 22      | 23                     | 18*              | 23                  | 05           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 06                 | 72             | 52      | 62      | 0                  | 56                | 60                  | 3       | 0                    | RA            |   |                        |             | T                         | 28.98              | 30.02                               | 5.2                | 35  | 7.5              | 22      | 01                     | 16               | 36                  | 06           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 07                 | 56             | 37      | 47      | -15                | 37                | 43                  | 18      | 0                    |               |   |                        |             | 0.00                      | 29.22              | 30.28                               | 7.5                | 01  | 7.9              | 21      | 01                     | 16               | 03                  | 07           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 08                 | 53             | 34      | 44      | -17                | 27                | 37                  | 21      | 0                    |               |   |                        |             | 0.00                      | 29.29              | 30.36                               | 8.2                | 01  | 8.9              | 23*     | 04                     | 17               | 01                  | 08           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 09                 | 52             | 36      | 44*     | -17                | 29                | 37                  | 21      | 0                    |               |   |                        |             | 0.00                      | 29.33              | 30.40                               | 6.0                | 36  | 6.3              | 22      | 01                     | 17               | 03                  | 09           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 10                 | 61             | 30*     | 46      | -15                | 30                | 39                  | 19      | 0                    |               |   |                        |             | 0.00                      | 29.28              | 30.36                               | 0.2                | 35  | 1.3              | 12      | 28                     | 8                | 35                  | 10           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 11                 | 68             | 33      | 51      | -9                 | 33                | 42                  | 14      | 0                    |               |   |                        |             | 0.00                      | 29.29              | 30.36                               | 3.5                | 04  | 4.3              | 17      | 03                     | 14               | 02                  | 11           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 12                 | 73             | 35      | 54      | -5                 | 36                | 45                  | 11      | 0                    |               |   |                        |             | 0.00                      | 29.29              | 30.36                               | 1.5                | 05  | 2.6              | 13      | 04                     | 12               | 04                  | 12           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 13                 | 76             | 39      | 58      | -1                 | 40                | 48                  | 7       | 0                    |               |   |                        |             | 0.00                      | 29.25              | 30.31                               | 0.4                | 35  | .7               | 9       | 32                     | 7                | 31                  | 13           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 14                 | 75             | 42      | 59      | 0                  | 43                | 50                  | 6       | 0                    |               |   |                        |             | 0.00                      | 29.18              | 30.36                               | 0.3                | 36  | .8               | 7       | 36                     | 6                | 29                  | 14           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 15                 | 77             | 41      | 59      | 0                  | 45                | 51                  | 6       | 0                    | BR            |   |                        |             | 0.00                      | 29.10              | 30.15                               | 0.1                | 01  | .8               | 7       | 21                     | 6                | 07                  | 15           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 16                 | 79             | 46      | 63      | 5                  | 50                | 55                  | 2       | 0                    | BR            |   |                        |             | 0.00                      | 29.05              | 30.09                               | 0.3                | 31  | 1.0              | 8       | 35                     | 7                | 33                  | 16           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 17                 | 77             | 53      | 65      | 7                  | 55                | 59                  | 0       | 0                    | BR            |   |                        |             | 0.00                      | 29.02              | 30.07                               | 0.9                | 26  | 1.9              | 14      | 25                     | 10               | 24                  | 17           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 18                 | 73             | 55      | 64      | 6                  | 54                | 59                  | 1       | 0                    | RA BR         |   |                        |             | T                         | 29.07              | 30.12                               | 4.5                | 02  | 5.2              | 17      | 36                     | 14               | 02                  | 18           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 19                 | 75             | 48      | 62      | 5                  | 46                | 53                  | 3       | 0                    |               |   |                        |             | 0.00                      | 29.12              | 30.17                               | 4.5                | 04  | 5.4              | 18      | 02                     | 16               | 01                  | 19           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 20                 | 76             | 47      | 62      | 5                  | 53                | 56                  | 3       | 0                    | BR HZ         |   |                        |             | 0.00                      | 29.14              | 30.19                               | 1.5                | 26  | 3.0              | 14      | 22                     | 12               | 22                  | 20           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 21                 | 75             | 54      | 65      | 9                  | 59                | 61                  | 0       | 0                    | BR HZ         |   |                        |             | 0.00                      | 29.16              | 30.21                               | 0.4                | 06  | 2.6              | 12      | 26                     | 9                | 28                  | 21           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 22                 | 78             | 57      | 68      | 12                 | 59                | 62                  | 0       | 3                    | BR HZ         |   |                        |             | 0.00                      | 29.28              | 30.33                               | 2.1                | 02  | 2.4              | 10      | 01                     | 8                | 01                  | 22           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 23                 | 79             | 54      | 67      | 11                 | 58                | 61                  | 0       | 2                    | BR HZ         |   |                        |             | 0.00                      | 29.37              | 30.43                               | 0.5                | 31  | 1.6              | 10      | 26                     | 8                | 26                  | 23           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 24                 | 77             | 57      | 67      | 12                 | 58                | 61                  | 0       | 2                    | BR HZ         |   |                        |             | 0.00                      | 29.30              | 30.35                               | 2.5                | 24  | 3.2              | 13      | 23                     | 12               | 23                  | 24           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 25                 | 79             | 58      | 69      | 14                 | 58                | 61                  | 0       | 4                    | BR HZ         |   |                        |             | 0.00                      | 29.15              | 30.19                               | 0.6                | 18  | 2.9              | 13      | 02                     | 12               | 02                  | 25           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 26                 | 76             | 56      | 66      | 11                 | 57                | 60                  | 0       | 1                    | BR HZ         |   |                        |             | 0.00                      | 29.12              | 30.16                               | 1.1                | 29  | 2.2              | 12      | 28                     | 10               | 29                  | 26           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 27                 | 78             | 54      | 66      | 12                 | 58                | 60                  | 0       | 1                    | TSRA RA BR HZ |   |                        |             | T                         | 29.09              | 30.13                               | 0.5                | 27  | 1.6              | 17      | 02                     | 15               | 01                  | 27           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 28                 | 79             | 55      | 67      | 13                 | 54                | 59                  | 0       | 2                    | BR HZ         |   |                        |             | 0.00                      | 29.10              | 30.15                               | 3.3                | 02  | 4.6              | 14      | 03                     | 13               | 02                  | 28           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 29                 | 73             | 52      | 63      | 9                  | 46                | 53                  | 2       | 0                    | BR            |   |                        |             | 0.00                      | 29.16              | 30.21                               | 5.5                | 04  | 6.2              | 16      | 04                     | 14               | 07                  | 29           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 30                 | 74             | 45      | 60      | 7                  | 29                | 45                  | 5       | 0                    |               |   |                        |             | 0.00                      | 29.15              | 30.21                               | 4.3                | 04  | 4.7              | 14      | 04                     | 12               | 03                  | 30           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 31                 | 75             | 42      | 59      | 6                  | 35                | 47                  | 6       | 0                    |               |   |                        |             | 0.00                      | 29.13              | 30.18                               | 1.3                | 05  | 2.4              | 12      | 06                     | 9                | 08                  | 31           |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| < MONTHLY AVERAGES |                |         |         |                    |                   |                     |         |                      |               |   | TOTALS-->              |             |                           | T                  | 29.15                               |                    | 1.5                                       | 01               | 3.4     | <- MONTHLY AVERAGES    |                  |                     |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| 3.3                |                |         |         |                    |                   |                     |         |                      |               |   | 2.1                    |             | 2.6                       |                    | <----- DEPARTURE FROM NORMAL -----> |                    |   |                  |         |                        |                  |                     |              |                              |                        | -2.84 |                      | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 |                              |  |  |  |  |  |  |  |  |  |
| DEGREE DAYS        |                |         |         |                    |                   |                     |         |                      |               | GREATEST 24-HR PRECIPITATION: T DATE: 27+ |                        |             |                           |                    | SEA LEVEL PRESSURE                  |                    |   |                  |         | DATE                   |                  | TIME                |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| MONTHLY            |                |         |         |                    | SEASON TO DATE    |                     |         |                      |               | GREATEST 24-HR SNOWFALL:                  |                        |             |                           |                    | MAXIMUM                             |                    |   |                  |         | : 30.49                |                  | 23 1053             |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| TOTAL DEPARTURE    |                |         |         |                    | TOTAL DEPARTURE   |                     |         |                      |               | GREATEST SNOW DEPTH:                      |                        |             |                           |                    | MINIMUM                             |                    |   |                  |         | : 29.88                |                  | 06 0353             |              |                              |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
| HEATING: 149       |                |         |         |                    | -89               |                     |         |                      |               | 183                                       |                        |             |                           |                    | -73                                 |                    |   |                  |         | NUMBER OF DAYS WITH => |                  |                     |              |                              | MAXIMUM TEMP ≥ 90: 0   |       | MINIMUM TEMP ≤ 32: 1 |  | PRECIPITATION ≥ 0.01 INCH: 0 |  |  |  |  |  |  |  |  |  |
| COOLING: 33        |                |         |         |                    | 0                 |                     |         |                      |               | 1488                                      |                        |             |                           |                    | 222                                 |                    | MAXIMUM TEMP ≤ 32: 0                      |                  |         |                        |                  | MINIMUM TEMP ≤ 0: 0 |              | PRECIPITATION ≥ 0.10 INCH: 0 |                        |       |                      |  |                              |  |  |  |  |  |  |  |  |  |
|                    |                |         |         |                    |                   |                     |         |                      |               |   |                        |             |                           |                    |                                     |                    |   |                  |         |                        | THUNDERSTORMS: 1 |                     | HEAVY FOG: 0 |                              | SNOWFALL ≥ 1.0 INCH: 0 |       |                      |  |                              |  |  |  |  |  |  |  |  |  |

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## KNOXVILLE, TN

OCTOBER 2000

TYS

WBAN # 13891

| DATE | FOR HOUR (LST) ENDING AT |   |   |   |   |   |   |   |   |    |    |    | DATE | FOR HOUR (LST) ENDING AT |    |    |    |    |    |    |    |    |    |    |    | DATE | Sum if Different (See Note) | 2400 LST |        |
|------|--------------------------|---|---|---|---|---|---|---|---|----|----|----|------|--------------------------|----|----|----|----|----|----|----|----|----|----|----|------|-----------------------------|----------|--------|
|      | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |      | 13                       | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |      |                             | Water    | Equiv. |
| 01   |                          |   |   |   |   |   |   |   |   |    |    |    | 01   |                          |    |    |    |    |    |    |    |    |    |    | 01 |      | 0.00                        |          |        |
| 02   |                          |   |   |   |   |   |   |   |   |    |    |    | 02   |                          |    |    |    |    |    |    |    |    |    |    | 02 |      | 0.00                        |          |        |
| 03   |                          |   |   |   |   |   |   |   |   |    |    |    | 03   |                          |    |    |    |    |    |    |    |    |    |    | 03 |      | 0.00                        |          |        |
| 04   |                          |   |   |   |   |   |   |   |   |    |    |    | 04   |                          |    |    |    |    |    |    |    |    |    |    | 04 |      | 0.00                        |          |        |
| 05   |                          |   |   |   |   |   |   |   |   |    |    |    | 05   |                          |    |    |    |    |    |    |    |    |    |    | 05 |      | 0.00                        |          |        |
| 06   |                          |   |   |   |   |   |   |   |   |    |    |    | 06   | T                        |    |    |    |    |    |    |    |    |    |    | 06 |      | T                           |          |        |
| 07   |                          |   |   |   |   |   |   |   |   |    |    |    | 07   |                          |    |    |    |    |    |    |    |    |    |    | 07 |      | 0.00                        |          |        |
| 08   |                          |   |   |   |   |   |   |   |   |    |    |    | 08   |                          |    |    |    |    |    |    |    |    |    |    | 08 |      | 0.00                        |          |        |
| 09   |                          |   |   |   |   |   |   |   |   |    |    |    | 09   |                          |    |    |    |    |    |    |    |    |    |    | 09 |      | 0.00                        |          |        |
| 10   |                          |   |   |   |   |   |   |   |   |    |    |    | 10   |                          |    |    |    |    |    |    |    |    |    |    | 10 |      | 0.00                        |          |        |
| 11   |                          |   |   |   |   |   |   |   |   |    |    |    | 11   |                          |    |    |    |    |    |    |    |    |    |    | 11 |      | 0.00                        |          |        |
| 12   |                          |   |   |   |   |   |   |   |   |    |    |    | 12   |                          |    |    |    |    |    |    |    |    |    |    | 12 |      | 0.00                        |          |        |
| 13   |                          |   |   |   |   |   |   |   |   |    |    |    | 13   |                          |    |    |    |    |    |    |    |    |    |    | 13 |      | 0.00                        |          |        |
| 14   |                          |   |   |   |   |   |   |   |   |    |    |    | 14   |                          |    |    |    |    |    |    |    |    |    |    | 14 |      | 0.00                        |          |        |
| 15   |                          |   |   |   |   |   |   |   |   |    |    |    | 15   |                          |    |    |    |    |    |    |    |    |    |    | 15 |      | 0.00                        |          |        |
| 16   |                          |   |   |   |   |   |   |   |   |    |    |    | 16   |                          |    |    |    |    |    |    |    |    |    |    | 16 |      | 0.00                        |          |        |
| 17   |                          |   |   |   |   |   |   |   |   |    |    |    | 17   |                          |    |    |    |    |    |    |    |    |    |    | 17 |      | 0.00                        |          |        |
| 18   |                          |   |   |   | T |   |   |   |   |    |    |    | 18   |                          |    |    |    |    |    |    |    |    |    |    | 18 |      | T                           |          |        |
| 19   |                          |   |   |   |   |   |   |   |   |    |    |    | 19   |                          |    |    |    |    |    |    |    |    |    |    | 19 |      | 0.00                        |          |        |
| 20   |                          |   |   |   |   |   |   |   |   |    |    |    | 20   |                          |    |    |    |    |    |    |    |    |    |    | 20 |      | 0.00                        |          |        |
| 21   |                          |   |   |   |   |   |   |   |   |    |    |    | 21   |                          |    |    |    |    |    |    |    |    |    |    | 21 |      | 0.00                        |          |        |
| 22   |                          |   |   |   |   |   |   |   |   |    |    |    | 22   |                          |    |    |    |    |    |    |    |    |    |    | 22 |      | 0.00                        |          |        |
| 23   |                          |   |   |   |   |   |   |   |   |    |    |    | 23   |                          |    |    |    |    |    |    |    |    |    |    | 23 |      | 0.00                        |          |        |
| 24   |                          |   |   |   |   |   |   |   |   |    |    |    | 24   |                          |    |    |    |    |    |    |    |    |    |    | 24 |      | 0.00                        |          |        |
| 25   |                          |   |   |   |   |   |   |   |   |    |    |    | 25   |                          |    |    |    |    |    |    |    |    |    |    | 25 |      | 0.00                        |          |        |
| 26   |                          |   |   |   |   |   |   |   |   |    |    |    | 26   |                          |    |    |    |    |    |    |    |    |    |    | 26 |      | 0.00                        |          |        |
| 27   |                          |   |   |   |   |   |   |   |   |    |    |    | 27   |                          |    |    | T  |    |    |    |    |    |    |    | 27 |      | T                           |          |        |
| 28   |                          |   |   |   |   |   |   |   |   |    |    |    | 28   |                          |    |    |    | T  |    |    |    |    |    |    | 28 |      | 0.00                        |          |        |
| 29   |                          |   |   |   |   |   |   |   |   |    |    |    | 29   |                          |    |    |    |    |    |    |    |    |    |    | 29 |      | 0.00                        |          |        |
| 30   |                          |   |   |   |   |   |   |   |   |    |    |    | 30   |                          |    |    |    |    |    |    |    |    |    |    | 30 |      | 0.00                        |          |        |
| 31   |                          |   |   |   |   |   |   |   |   |    |    |    | 31   |                          |    |    |    |    |    |    |    |    |    |    | 31 |      | 0.00                        |          |        |

### 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 (Hour/Min) |   |    |    |    |    |    |    |    |     |     |     |     |

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

# REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less  
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1961 – 1990

## WEATHER NOTATIONS

| QUALIFIER          | WEATHER PHENOMENA                 |                    |                                    |
|--------------------|-----------------------------------|--------------------|------------------------------------|
|                    | PRECIPITATION                     | OBSCURATION        | OTHER                              |
| BC Patches         | DZ Drizzle                        | BR Mist            | DS Duststorm                       |
| BL Blowing         | GR Hail                           | DU Widespread Dust | FC Funnel Cloud                    |
| DR Low Drifting    | GS Small Hail and/or Snow Pellets | FG Fog             | +FC Tornado Waterspout             |
| FZ Freezing        | IC Ice Crystals                   | FU Smoke           | PO Well-Developed Dust/Sand Whirls |
| MI Shallow         | PL Ice Pellets                    | HZ Haze            |                                    |
| 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 Unknown Precipitation          |                    |                                    |

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

# KNOXVILLE, TN OCTOBER 2000

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:

ERRATA- SEP 2000 - ADD a Trace of Precip to 02 SEP

| DATE  | SUNSHINE      |                  | CLOUDINESS (OKTAS) |           |            |           | VISIBILITY (MILES) |         | RESERVED |
|---|---------------|------------------|--------------------|-----------|------------|-----------|--------------------|---------|----------|
|   | TOTAL MINUTES | PERCENT POSSIBLE | SR-SS              |           | MN-MN      |           | MINIMUM            | MAXIMUM |          |
|   |               |                  | CEILOMETER         | SATELLITE | CEILOMETER | SATELLITE |                    |         |          |
| 01  |               |                  |                    |           |            |           | .00                | 10.00   |          |
| 02  |               |                  |                    |           |            |           | 7.00               | 10.00   |          |
| 03  |               |                  |                    |           |            |           | 6.00               | 10.00   |          |
| 04  |               |                  |                    |           |            |           | 5.00               | 10.00   |          |
| 05  |               |                  |                    |           |            |           | 3.00               | 10.00   |          |
| 06  |               |                  |                    |           |            |           | 8.00               | 10.00   |          |
| 07  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 08  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 09  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 10  |               |                  |                    |           |            |           | 9.00               | 10.00   |          |
| 11  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 12  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 13  |               |                  |                    |           |            |           | 7.00               | 10.00   |          |
| 14  |               |                  |                    |           |            |           | 7.00               | 10.00   |          |
| 15  |               |                  |                    |           |            |           | 5.00               | 10.00   |          |
| 16  |               |                  |                    |           |            |           | 2.50               | 10.00   |          |
| 17  |               |                  |                    |           |            |           | 5.00               | 10.00   |          |
| 18  |               |                  |                    |           |            |           | 3.00               | 10.00   |          |
| 19  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 20  |               |                  |                    |           |            |           | 4.00               | 10.00   |          |
| 21  |               |                  |                    |           |            |           | 1.00               | 6.00    |          |
| 22  |               |                  |                    |           |            |           | 1.25               | 8.00    |          |
| 23  |               |                  |                    |           |            |           | 2.50               | 7.00    |          |
| 24  |               |                  |                    |           |            |           | 2.00               | 7.00    |          |
| 25  |               |                  |                    |           |            |           | 2.00               | 10.00   |          |
| 26  |               |                  |                    |           |            |           | 2.50               | 8.00    |          |
| 27  |               |                  |                    |           |            |           | 1.50               | 5.00    |          |
| 28  |               |                  |                    |           |            |           | 2.00               | 10.00   |          |
| 29  |               |                  |                    |           |            |           | 6.00               | 10.00   |          |
| 30  |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 31  |               |                  |                    |           |            |           | 8.00               | 10.00   |          |
| MONTHLY AVGS                                  |               |                  |                    |           |            |           | 5.80               | 9.39    |          |
| <b>SUNSHINE (MINUTES)</b>                     |               |                  |                    |           |            |           |                    |         |          |
| Total: Possible: Percent Possible:            |               |                  |                    |           |            |           |                    |         |          |
| <b>NUMBER OF DAYS WITH:<br/>SKY CONDITION</b> |               |                  |                    |           |            |           |                    |         |          |
| CLR PTLY CLDY CLOUDY MISSING<br>31            |               |                  |                    |           |            |           |                    |         |          |
| <b>MINIMUM VISIBILITY (MILES)</b>             |               |                  |                    |           |            |           |                    |         |          |
| <=0.25 <=3.0 >=7.0<br>0 10 13                 |               |                  |                    |           |            |           |                    |         |          |



OBSERVATIONS AT 3-HOURLY INTERVALS

KNOXVILLE, TN

OCTOBER 2000

TYS

WBAN # 13891

Table with columns for Hour (LST), Sky Cover, Ceiling, Observation Time (LST), Eff Cloud Amt, Visibility (Miles), Weather, Temperature (F), Wind, Pressure (Inches, Hg), and other meteorological data. It covers the period from Oct 13 to Oct 24, 2000, with 24 rows per day.

# OBSERVATIONS AT 3-HOURLY INTERVALS

# KNOXVILLE, TN

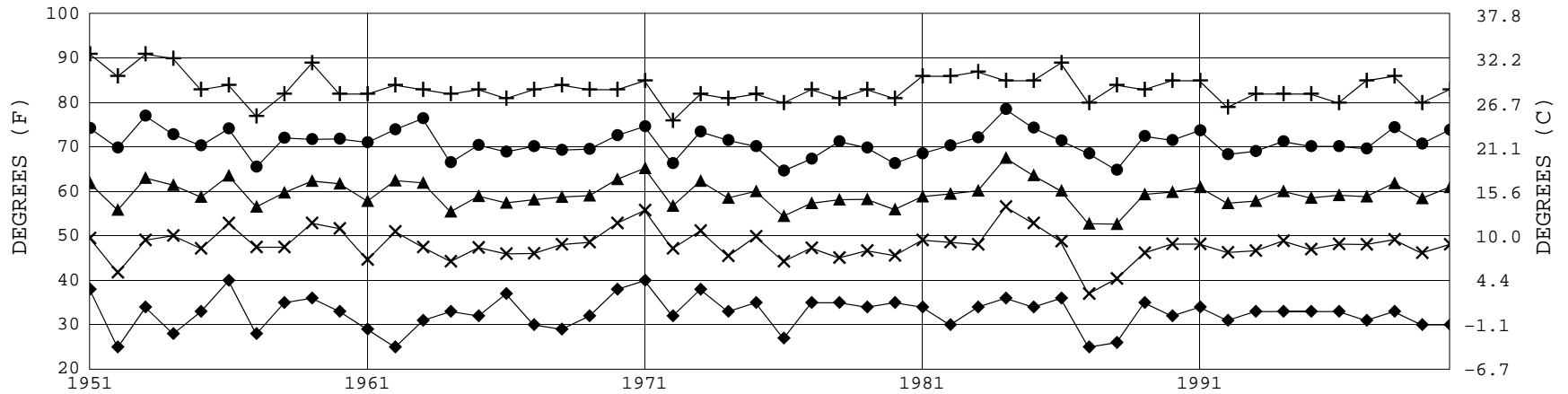
OCTOBER 2000

TYS

WBAN # 13891

| HOUR (LST)    | SKY COVER |           | CEILING<br>100'S OF FT | SATELLITE |                         | VISIBILITY<br>(MILES) | WEATHER | TEMPERATURE<br>° F |                          |         |           | WIND     |           | PRESSURE<br>(INCHES, HG) |                         | HOUR (LST)   | SKY COVER   |                          | CEILING<br>100'S OF FT | SATELLITE |           | VISIBILITY<br>(MILES) | WEATHER | TEMPERATURE<br>° F         |    |    |    | WIND |    | PRESSURE<br>(INCHES, HG) |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
|---------------|-----------|-----------|------------------------|-----------|-------------------------|-----------------------|---------|--------------------|--------------------------|---------|-----------|----------|-----------|--------------------------|-------------------------|--|-------------|--------------------------|------------------------|-----------|-----------|-----------------------|---------|----------------------------|----|----|----|------|----|--------------------------|-------|--------|--|--|--|--|--|--|--|--------------|--|--|--|--|--|--|--|
|               | DRY BULB  | DEW POINT |                        | WET BULB  | RELATIVE HUMIDITY (PCT) |                       |         | SPEED (MPH)        | DIRECTION<br>TENS OF DEG | STATION | SEA LEVEL | DRY BULB | DEW POINT | WET BULB                 | RELATIVE HUMIDITY (PCT) |  | SPEED (MPH) | DIRECTION<br>TENS OF DEG |                        | STATION   | SEA LEVEL |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| SUNRISE: 0652 |           |           |                        |           |                         |                       |         | OCT 25             |                          |         |           |          |           |                          |                         | SUNSET: 1748   |             |                          |                        |           |           |                       |         | SUNRISE: 0658              |    |    |    |      |    |                          |       | OCT 31 |  |  |  |  |  |  |  | SUNSET: 1741 |  |  |  |  |  |  |  |
| 01            | CLR       | NC        |                        |           |                         | 4.00                  | BR      | 61                 | 57                       | 59      | 87        | 0        | 00        | 29.19                    | 30.24                   | 01   | FEW         | NC                       |                        |           |           | 10.00                 |         | 48                         | 36 | 43 | 63 | 0    | 00 | 29.13                    | 30.19 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 04            | BKN       | 070       |                        |           |                         | 3.00                  | BR      | 59                 | 57                       | 58      | 93        | 3        | 08        | 29.17                    | 30.22                   | 04   | CLR         | NC                       |                        |           |           | 10.00                 |         | 47                         | 34 | 41 | 61 | 5    | 01 | 29.12                    | 30.18 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 07            | BKN       | 120       |                        |           |                         | 4.00                  | BR      | 60                 | 57                       | 58      | 90        | 0        | 00        | 29.19                    | 30.24                   | 07   | FEW         | NC                       |                        |           |           | 10.00                 |         | 44                         | 36 | 40 | 73 | 0    | 00 | 29.15                    | 30.22 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 10            | BKN       | 100       |                        |           |                         | 3.00                  | HZ      | 66                 | 59                       | 62      | 78        | 7        | 15        | 29.20                    | 30.25                   | 10   | CLR         | NC                       |                        |           |           | 10.00                 |         | 56                         | 36 | 47 | 47 | 7    | 09 | 29.17                    | 30.24 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 13            | SCT       | NC        |                        |           |                         | 5.00                  | HZ      | 76                 | 58                       | 65      | 54        | 3        | VR        | 29.14                    | 30.18                   | 13   | SCT         | NC                       |                        |           |           | 10.00                 |         | 70                         | 32 | 52 | 25 | 0    | 00 | 29.12                    | 30.18 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 16            | FEW       | NC        |                        |           |                         | 10.00                 |         | 78                 | 57                       | 65      | 48        | 0        | 00        | 29.09                    | 30.12                   | 16   | CLR         | NC                       |                        |           |           | 8.00                  |         | 74                         | 31 | 53 | 21 | 3    | VR | 29.09                    | 30.13 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 19            | CLR       | NC        |                        |           |                         | 8.00                  |         | 70                 | 59                       | 63      | 68        | 0        | 00        | 29.11                    | 30.15                   | 19   | CLR         | NC                       |                        |           |           | 10.00                 |         | 62                         | 35 | 49 | 37 | 3    | 08 | 29.10                    | 30.16 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 22            | CLR       | NC        |                        |           |                         | 6.00                  | HZ      | 63                 | 58                       | 60      | 84        | 3        | 16        | 29.13                    | 30.18                   | 22   | CLR         | NC                       |                        |           |           | 9.00                  |         | 54                         | 41 | 48 | 62 | 0    | 00 | 29.11                    | 30.17 |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| SUNRISE: 0653 |           |           |                        |           |                         |                       |         | OCT 26             |                          |         |           |          |           |                          |                         | SUNRISE: 1747  |             |                          |                        |           |           |                       |         | 3-HOURLY OBSERVATION NOTES |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 01            | CLR       | NC        |                        |           |                         | 8.00                  |         | 62                 | 57                       | 59      | 84        | 8        | 28        | 29.12                    | 30.16                   | Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8. |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 04            | FEW       | NC        |                        |           |                         | 5.00                  | BR      | 58                 | 56                       | 57      | 93        | 0        | 00        | 29.13                    | 30.17                   | Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 07            | BKN       | 065       |                        |           |                         | 5.00                  | BR      | 58                 | 56                       | 57      | 93        | 0        | 00        | 29.16                    | 30.21                   | NC = No ceiling detected.  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 10            | CLR       | NC        |                        |           |                         | 5.00                  | HZ      | 66                 | 59                       | 62      | 78        | 5        | VR        | 29.18                    | 30.23                   | & = Original observation contained additional weather elements.  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 13            | FEW       | NC        |                        |           |                         | 7.00                  |         | 74                 | 58                       | 64      | 57        | 3        | VR        | 29.12                    | 30.16                   | See page 3 for additional notes.   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 16            | CLR       | NC        |                        |           |                         | 7.00                  |         | 75                 | 57                       | 64      | 54        | 6        | 29        | 29.06                    | 30.10                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 19            | CLR       | NC        |                        |           |                         | 7.00                  |         | 69                 | 57                       | 62      | 66        | 0        | 00        | 29.08                    | 30.12                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 22            | CLR       | NC        |                        |           |                         | 5.00                  | BR      | 61                 | 57                       | 59      | 87        | 3        | 17        | 29.11                    | 30.14                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| SUNRISE: 0654 |           |           |                        |           |                         |                       |         | OCT 27             |                          |         |           |          |           |                          |                         | SUNRISE: 1745  |             |                          |                        |           |           |                       |         | SUMMARY BY HOUR            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 01            | CLR       | NC        |                        |           |                         | 4.00                  | BR      | 58                 | 56                       | 57      | 93        | 3        | 24        | 29.09                    | 30.12                   | AVERAGES   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 04            | SCT       | NC        |                        |           |                         | 3.00                  | BR      | 57                 | 56                       | 56      | 96        | 0        | 00        | 29.10                    | 30.14                   | RESULTANT WIND (MPH)   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 07            | CLR       | NC        |                        |           |                         | 3.00                  | BR      | 56                 | 54                       | 55      | 93        | 0        | 00        | 29.11                    | 30.16                   | HOUR (LST)   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 10            | CLR       | NC        |                        |           |                         | 3.00                  | HZ      | 64                 | 58                       | 60      | 81        | 0        | 00        | 29.13                    | 30.18                   | CEILOMETER   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 13            | CLR       | NC        |                        |           |                         | 4.00                  | HZ      | 75                 | 58                       | 65      | 55        | 0        | 00        | 29.08                    | 30.12                   | EFF CLD AMT  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 16            | SCT       | NC        |                        |           |                         | 5.00                  | HZ      | 77                 | 58                       | 65      | 52        | 7        | 25        | 29.04                    | 30.08                   | DRY BULB   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 19            | SCT       | NC        |                        |           |                         | 4.00                  | BR      | 66                 | 62                       | 64      | 87        | 0        | 00        | 29.06                    | 30.10                   | DEW POINT  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 22            | CLR       | NC        |                        |           |                         | 4.00                  | BR      | 64                 | 60                       | 62      | 87        | 0        | 00        | 29.07                    | 30.11                   | WET BULB   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| SUNRISE: 0655 |           |           |                        |           |                         |                       |         | OCT 28             |                          |         |           |          |           |                          |                         | SUNRISE: 1744  |             |                          |                        |           |           |                       |         | PRESSURE (INCHES, HG)      |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 01            | FEW       | NC        |                        |           |                         | 3.00                  | BR      | 60                 | 59                       | 59      | 96        | 3        | 24        | 29.08                    | 30.11                   | STATION  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 04            | FEW       | NC        |                        |           |                         | 3.00                  | BR      | 58                 | 58                       | 58      | 100       | 0        | 00        | 29.08                    | 30.11                   | SEA LEVEL  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 07            | OVC       | 080       |                        |           |                         | 2.50                  | BR      | 58                 | 57                       | 57      | 97        | 0        | 00        | 29.11                    | 30.15                   | VISIBILITY (MILES)   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 10            | SCT       | NC        |                        |           |                         | 2.50                  | HZ      | 66                 | 59                       | 62      | 78        | 5        | 29        | 29.14                    | 30.19                   | WIND SPEED (MPH)   |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 13            | SCT       | NC        |                        |           |                         | 7.00                  |         | 76                 | 54                       | 63      | 47        | 7        | 36        | 29.10                    | 30.14                   | SPEED  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 16            | SCT       | NC        |                        |           |                         | 10.00                 |         | 76                 | 47                       | 60      | 36        | 8        | 03        | 29.07                    | 30.11                   | DIRECTION  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 19            | CLR       | NC        |                        |           |                         | 10.00                 |         | 70                 | 49                       | 58      | 47        | 10       | 01        | 29.10                    | 30.14                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 22            | CLR       | NC        |                        |           |                         | 10.00                 |         | 63                 | 50                       | 56      | 63        | 0        | 00        | 29.15                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| SUNRISE: 0656 |           |           |                        |           |                         |                       |         | OCT 29             |                          |         |           |          |           |                          |                         | SUNRISE: 1743  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 01            | CLR       | NC        |                        |           |                         | 10.00                 |         | 58                 | 50                       | 54      | 75        | 6        | 04        | 29.15                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 04            | CLR       | NC        |                        |           |                         | 10.00                 |         | 55                 | 50                       | 52      | 83        | 12       | 03        | 29.16                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 07            | CLR       | NC        |                        |           |                         | 7.00                  |         | 52                 | 49                       | 50      | 89        | 7        | 03        | 29.19                    | 30.24                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 10            | CLR       | NC        |                        |           |                         | 10.00                 |         | 60                 | 49                       | 54      | 67        | 8        | 04        | 29.21                    | 30.27                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 13            | FEW       | NC        |                        |           |                         | 10.00                 |         | 70                 | 49                       | 58      | 47        | 5        | VR        | 29.16                    | 30.21                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 16            | FEW       | NC        |                        |           |                         | 10.00                 |         | 72                 | 44                       | 57      | 37        | 6        | 32        | 29.11                    | 30.16                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 19            | CLR       | NC        |                        |           |                         | 10.00                 |         | 62                 | 38                       | 50      | 41        | 3        | 06        | 29.13                    | 30.18                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 22            | CLR       | NC        |                        |           |                         | 10.00                 |         | 54                 | 40                       | 47      | 59        | 0        | 00        | 29.14                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| SUNRISE: 0657 |           |           |                        |           |                         |                       |         | OCT 30             |                          |         |           |          |           |                          |                         | SUNRISE: 1742  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 01            | CLR       | NC        |                        |           |                         | 10.00                 |         | 53                 | 32                       | 44      | 45        | 10       | 03        | 29.15                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 04            | SCT       | NC        |                        |           |                         | 10.00                 |         | 51                 | 29                       | 42      | 43        | 8        | 02        | 29.16                    | 30.21                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 07            | FEW       | NC        |                        |           |                         | 10.00                 |         | 45                 | 28                       | 38      | 52        | 7        | 01        | 29.18                    | 30.24                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 10            | FEW       | NC        |                        |           |                         | 10.00                 |         | 55                 | 30                       | 44      | 39        | 7        | 04        | 29.20                    | 30.26                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 13            | FEW       | NC        |                        |           |                         | 10.00                 |         | 69                 | 28                       | 50      | 22        | 0        | 00        | 29.15                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 16            | FEW       | NC        |                        |           |                         | 10.00                 |         | 73                 | 20                       | 50      | 13        | 3        | 02        | 29.11                    | 30.16                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 19            | CLR       | NC        |                        |           |                         | 10.00                 |         | 61                 | 29                       | 46      | 30        | 0        | 00        | 29.11                    | 30.17                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |
| 22            | CLR       | NC        |                        |           |                         | 10.00                 |         | 53                 | 33                       | 44      | 47        | 0        | 00        | 29.14                    | 30.20                   |  |             |                          |                        |           |           |                       |         |                            |    |    |    |      |    |                          |       |        |  |  |  |  |  |  |  |              |  |  |  |  |  |  |  |

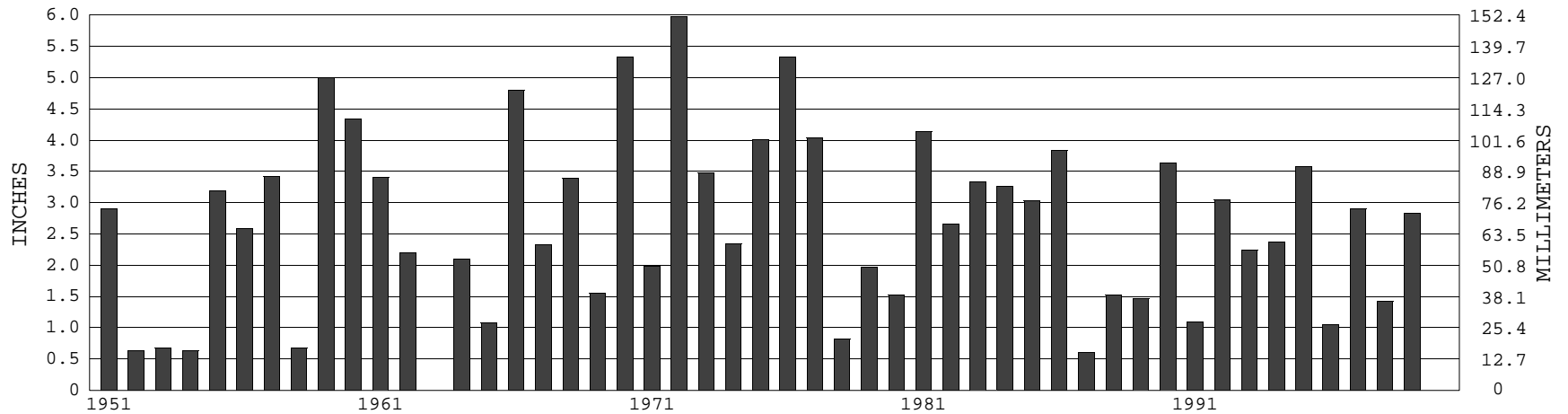
### KNOXVILLE, TN OCTOBER TEMPERATURES



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

Long-Term (1951-2000) Mean: 59.5      1961-1990 Normal: 58.4

### KNOXVILLE, TN OCTOBER PRECIPITATION



Long-Term (1951-2000) Mean Monthly Total: 2.60

1961-1990 Normal: 2.84



**OCTOBER 2000  
KNOXVILLE, TN**

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

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