



SEPTEMBER 2007 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

OAK RIDGE, TN
OAK RIDGE (KOQT)
Lat:36° 1' N Long: 84° 14' W Elev (Ground) 910 Feet
Time Zone : EASTERN WBAN: 53868 ISSN#: 0198-487X



| Date 1 | Temperature °F | | | | | | Deg Days BASE 65° | | WEATHER 10 | SNOW/ICE ON GND(IN) | | PRECIPITATION ON GND(IN) | | PRESSURE (INCHES OF HG) | | WIND SPEED = MPH DIR = TENS OF DEGREES | | | | | | | | Date 24 |
|-----------|----------------|--------------|--------------|-------------------------|------------------------|--------------------------|----------------------|--------------|---------------|------------------------|-------------|-----------------------------|-------------|----------------------------|----------------------------|---|---------------|------------------------|---------|-----|-------|----|--|------------|
| | MAXIMUM 2 | MINIMUM 3 | AVERAGE 4 | DEP FROM NORMAL 5 | AVERAGE DEW PT 6 | AVERAGE WET BULB 7 | HEATING 8 | COOLING 9 | | 0700 LST | 1300 LST | 2400 LST | 2400 LST | AVERAGE STATION 15 | AVERAGE SEA LEVEL 16 | RESULTANT SPEED 17 | RES DIR 18 | AVERAGE SPEED 19 | MAXIMUM | | | | | |
| | | | | | | | | | | | | | | | | | | | 5-SEC | | 2-MIN | | | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | | | |
| 01 | 92 | 70 | 81 | 7 | 64 | 69 | 0 | 16 | HZ | | | 0.00 | 29.10 | 30.03 | 1.5 | 05 | 3.5 | 23 | 02 | 14 | 02 | 01 | | |
| 02 | 91 | 68 | 80 | 6 | 65 | 70 | 0 | 15 | BR HZ | | | 0.00 | 29.20 | 30.13 | 0.7 | 01 | 1.1 | 13 | 35 | 8 | 05 | 02 | | |
| 03 | 90 | 69 | 80 | 6 | 66 | 70 | 0 | 15 | RA BR HZ | | | 0.02 | 29.19 | 30.11 | 0.5 | 20 | 1.3 | 18 | 29 | 12 | 29 | 03 | | |
| 04 | 95 | 64 | 80 | 7 | 55 | 64 | 0 | 15 | FG+ BR HZ | | | 0.00 | 29.10 | 30.03 | 0.7 | 06 | 1.3 | 14 | 36 | 8 | 05 | 04 | | |
| 05 | 96* | 60 | 78 | 5 | 53 | 63 | 0 | 13 | | | | 0.00 | 29.10 | 30.04 | 0.4 | 25 | 1.4 | 15 | 16 | 9 | 15 | 05 | | |
| 06 | 93 | 65 | 79 | 6 | 59 | 66 | 0 | 14 | HZ | | | 0.00 | 29.20 | 30.14 | 1.9 | 19 | 2.3 | 18 | 19 | 12 | 20 | 06 | | |
| 07 | 93 | 73 | 83* | 10 | 60 | 68 | 0 | 18 | | | | 0.00 | 29.20 | 30.11 | 2.5 | 18 | 3.3 | 20 | 16 | 14 | 16 | 07 | | |
| 08 | 93 | 64 | 79 | 7 | 58 | 66 | 0 | 14 | | | | 0.00 | 29.13 | 30.04 | 0.9 | 18 | 1.5 | 17 | 26 | 12 | 21 | 08 | | |
| 09 | 92 | 65 | 79 | 7 | 62 | 68 | 0 | 14 | | | | 0.00 | 29.07 | 30.00 | 0.8 | 26 | 1.9 | 23* | 22 | 12 | 28 | 09 | | |
| 10 | 90 | 73 | 82 | 10 | 68 | 71 | 0 | 17 | RA BR | | | 0.15 | 29.05 | 29.97 | 0.7 | 25 | 1.4 | 22 | 26 | 13 | 25 | 10 | | |
| 11 | 76 | 67 | 72 | 0 | 69 | 70 | 0 | 7 | RA FG BR HZ | | | 0.84 | 28.98 | 29.92 | 1.7 | 20 | 2.4 | 12 | 22 | 8 | 22 | 11 | | |
| 12 | 84 | 57 | 71 | 0 | 55 | 61 | 0 | 6 | FG+ FG BR | | | 0.00 | 29.10 | 30.04 | 0.8 | 07 | 1.3 | 14 | 05 | 12 | 06 | 12 | | |
| 13 | 87 | 57 | 72 | 1 | 57 | 63 | 0 | 7 | | | | 0.00 | 29.10 | 30.05 | 0.1 | 29 | 1.2 | 12 | 29 | 7 | 27 | 13 | | |
| 14 | 74 | 67 | 71 | 0 | 67 | 68 | 0 | 6 | RA FG+ FG BR | | | 1.46 | 29.06 | 29.99 | 0.6 | 22 | 0.7 | 13 | 27 | 8 | 28 | 14 | | |
| 15 | 74 | 53 | 64* | -6 | 48 | 56 | 1 | 0 | FG BR | | | 0.00 | 29.17 | 30.14 | 2.2 | 05 | 3.1 | 20 | 07 | 15* | 06 | 15 | | |
| 16 | 79 | 50 | 65 | -5 | 48 | 55 | 0 | 0 | | | | 0.00 | 29.23 | 30.19 | 0.5 | 10 | 1.5 | 12 | 21 | 9 | 20 | 16 | | |
| 17 | 81 | 55 | 68 | -2 | 56 | 61 | 0 | 3 | BR | | | 0.00 | 29.26 | 30.22 | 0.7 | 08 | 0.8 | 10 | 08 | 7 | 09 | 17 | | |
| 18 | 83 | 59 | 71 | 1 | 58 | 62 | 0 | 6 | FG+ FG BR | | | 0.00 | 29.27 | 30.22 | 0.4 | 04 | 1.4 | 13 | 02 | 9 | 36 | 18 | | |
| 19 | 84 | 57 | 71 | 2 | 57 | 62 | 0 | 6 | FG+ BR | | | 0.00 | 29.23 | 30.17 | 1.1 | 05 | 1.7 | 14 | 04 | 10 | 07 | 19 | | |
| 20 | 86 | 60 | 73 | 4 | 56 | 62 | 0 | 8 | BR | | | 0.00 | 29.13 | 30.07 | 1.4 | 04 | 1.9 | 16 | 07 | 10 | 07 | 20 | | |
| 21 | 88 | 61 | 75 | 7 | 61 | 66 | 0 | 10 | | | | 0.00 | 29.09 | 30.02 | 0.6 | 10 | 1.9 | 13 | 06 | 9 | 06 | 21 | | |
| 22 | 88 | 66 | 77 | 9 | 64 | 68 | 0 | 12 | RA | | | T | 29.15 | 30.09 | 0.0 | 11 | 0.4 | 9 | 01 | 7 | 01 | 22 | | |
| 23 | 93 | 65 | 79 | 11 | 63 | 68 | 0 | 14 | BR | | | 0.00 | 29.21 | 30.14 | 0.6 | 12 | 1.7 | 20 | 10 | 10 | 07 | 23 | | |
| 24 | 92 | 67 | 80 | 13 | 64 | 69 | 0 | 15 | | | | 0.00 | 29.21 | 30.13 | 0.3 | 11 | 0.5 | 9 | 12 | 7 | 25 | 24 | | |
| 25 | 91 | 67 | 79 | 12 | 64 | 69 | 0 | 14 | BR HZ | | | 0.00 | 29.18 | 30.12 | 0.2 | 21 | 0.5 | 8 | 19 | 6 | 19 | 25 | | |
| 26 | 88 | 67 | 78 | 11 | 63 | 68 | 0 | 13 | BR HZ | | | 0.00 | 29.11 | 30.04 | 0.9 | 22 | 2.0 | 13 | 19 | 8 | 18 | 26 | | |
| 27 | 81 | 64 | 73 | 7 | 62 | 66 | 0 | 8 | RA BR HZ | | | T | 29.03 | 29.96 | 0.2 | 17 | 1.3 | 14 | 25 | 9 | 15 | 27 | | |
| 28 | 83 | 57 | 70 | 4 | 48 | 58 | 0 | 5 | | | | 0.00 | 29.15 | 30.12 | 2.2 | 01 | 3.3 | 22 | 07 | 14 | 06 | 28 | | |
| 29 | 82 | 50 | 66 | 1 | 44 | 53 | 0 | 1 | | | | 0.00 | 29.33 | 30.30 | 0.6 | 09 | 1.8 | 18 | 15 | 13 | 12 | 29 | | |
| 30 | 82 | 47* | 65 | 0 | 45 | 54 | 0 | 0 | | | | 0.00 | 29.39 | 30.35 | 0.3 | 31 | 0.7 | 10 | 09 | 7 | 33 | 30 | | |

| | | | | | | | | | | | | | | | | | | | | | |
|--------------------|------|---------|---|----------------------------------|------|------------------------|-----|---|--|------------------------|--|--------------------------------|--|-------|-----|--------------------------------|-----|--------------------|--|--|--|
| 86.7 | 62.1 | 74.4 | ☼ | 58.6 | 64.5 | 0.0 | 9.7 | < MONTHLY AVERAGES TOTALS > | | | | 2.47 | 29.15 | 30.10 | 0.2 | 11 | 1.6 | < MONTHLY AVERAGES | | | |
| 5.6 | 3.3 | 4.4 | | -----DEPARTURE FROM NORMAL ----- | | | | | | | | -1.28 | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | |
| DEGREE DAYS | | | | | | | | GREATEST 24-HR PRECIPITATION : 1.46 DATE : 14 | | | | SEA LEVEL PRESSURE | | | | DATE TIME | | | | | |
| MONTHLY | | | | SEASON TO DATE | | | | GREATEST 24-HR SNOWFALL : | | | | MAXIMUM : | | | | 30.44 30 0953 | | | | | |
| TOTAL DEPARTURE | | | | TOTAL DEPARTURE | | | | GREATEST SNOW DEPTH : | | | | MINIMUM : | | | | 29.88 11 0611 | | | | | |
| HEATING : | | 1 -29 | | 1 -29 | | NUMBER OF -> DAYS WITH | | MAXIMUM TEMP >= 90 : 13 | | MINIMUM TEMP <= 32 : 0 | | PRECIPITATION >= 0.01 INCH : 4 | | | | PRECIPITATION >= 0.10 INCH : 3 | | | | | |
| COOLING : | | 292 112 | | 1839 562 | | | | MAXIMUM TEMP <= 32 : 0 | | MINIMUM TEMP <= 0 : 0 | | | | | | SNOWFALL >= 1.0 INCH : | | | | | |
| | | | | | | | | THUNDERSTORMS : 0 | | HEAVY FOG : 5 | | | | | | | | | | | |

SEPTEMBER 2007
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
SEPTEMBER 2007

WBAN # 53868

| Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | Sum of Hourly Data | 2400 LST Water Equiv. |
|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|------|----|------|----|----|----|----|----|------|----|------|------|--------------------|-----------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | |
| 01 | | | | | | | | | | | | | 01 | | | | | | | | | | | | 01 | 0.00 | 0.00 | |
| 02 | | | | | | | | | | | | | 02 | | | | | | | | | | | | 02 | 0.00 | 0.00 | |
| 03 | | | | | | | | | | | | | 03 | 0.02 | T | | T | | | | | | | | 03 | 0.02 | 0.02 | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | | | 04 | 0.00 | 0.00 | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | 0.00 | 0.00 | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | 0.00 | 0.00 | |
| 07 | | | | | | | | | | | | | 07 | | | | | | | | | | | | 07 | 0.00 | 0.00 | |
| 08 | | | | | | | | | | | | | 08 | | | | | | | | | | | | 08 | 0.00 | 0.00 | |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | 09 | 0.00 | 0.00 | |
| 10 | | | | | | | | | | | | | 10 | | T | | 0.03 | | | | | | 0.12 | | 10 | 0.15 | 0.15 | |
| 11 | | | | T | | | | | 0.08 | 0.33 | 0.15 | 0.07 | 11 | 0.06 | 0.15 | T | | | | | T | | | 11 | 0.84 | 0.84 | | |
| 12 | | | | | | | | | | | | | 12 | | | | | | | | | | | | 12 | 0.00 | 0.00 | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | 0.00 | 0.00 | |
| 14 | T | 0.01 | 0.01 | 0.01 | 0.02 | 0.04 | 0.03 | 0.03 | 0.06 | 1.06 | 0.08 | 0.02 | 14 | 0.03 | 0.01 | T | 0.05 | | | | | | | | 14 | 1.46 | 1.46 | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | 0.00 | 0.00 | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | 16 | 0.00 | 0.00 | |
| 17 | | | | | | | | | | | | | 17 | | | | | | | | | | | | 17 | 0.00 | 0.00 | |
| 18 | | | | | | | | | | | | | 18 | | | | | | | | | | | | 18 | 0.00 | 0.00 | |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | | | | | 19 | 0.00 | 0.00 | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | 0.00 | 0.00 | |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | 0.00 | 0.00 | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | | | 22 | T | T | |
| 23 | | | | | | | | | | | | | 23 | | | | | | | | | | | | 23 | 0.00 | 0.00 | |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | 24 | 0.00 | 0.00 | |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 | 0.00 | 0.00 | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | 0.00 | 0.00 | |
| 27 | | | | | | | | | | | | | 27 | T | | | | | | | | | | | 27 | T | T | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | 0.00 | 0.00 | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | 29 | 0.00 | 0.00 | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | 0.00 | 0.00 | |

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | 0.47 | 0.74 | 0.83 | 0.88 | 0.94 | 1.01 | 1.06 | 1.12 | 1.15 | 1.17 | 1.20 | 1.21 |
| Ending Date | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Ending Time (Hr/Min) | 0926 | 0929 | 0931 | 0932 | 0932 | 0947 | 1002 | 1010 | 1025 | 1025 | 1100 | 1100 |

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

OAK RIDGE, TN SEPTEMBER 2007

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-OAK RIDGE ATDD COOP
Lat/Lon:36.00278/-84.24861 Elevation:905FT
Distance:1.5 MI Dir:SW
Augmented Elements:Temp,Precip,Snow
Equipment:Pcpn-Model TRP525M, Temp Vaisala HMP35C,
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 | | | | | | | 3.00 | 8.00 | |
| 02 | | | | | | | 2.50 | 7.00 | |
| 03 | | | | | | | 2.50 | 8.00 | |
| 04 | | | | | | | 0.00 | 10.00 | |
| 05 | | | | | | | 10.00 | 10.00 | |
| 06 | | | | | | | 6.00 | 10.00 | |
| 07 | | | | | | | 10.00 | 10.00 | |
| 08 | | | | | | | 7.00 | 10.00 | |
| 09 | | | | | | | 7.00 | 10.00 | |
| 10 | | | | | | | 4.00 | 10.00 | |
| 11 | | | | | | | 1.00 | 10.00 | |
| 12 | | | | | | | 0.50 | 10.00 | |
| 13 | | | | | | | 10.00 | 10.00 | |
| 14 | | | | | | | 0.25 | 10.00 | |
| 15 | | | | | | | 1.00 | 10.00 | |
| 16 | | | | | | | 10.00 | 10.00 | |
| 17 | | | | | | | 5.00 | 10.00 | |
| 18 | | | | | | | 0.25 | 10.00 | |
| 19 | | | | | | | 0.25 | 10.00 | |
| 20 | | | | | | | 4.00 | 10.00 | |
| 21 | | | | | | | 10.00 | 10.00 | |
| 22 | | | | | | | 10.00 | 10.00 | |
| 23 | | | | | | | 2.00 | 10.00 | |
| 24 | | | | | | | 7.00 | 10.00 | |
| 25 | | | | | | | 4.00 | 10.00 | |
| 26 | | | | | | | 4.00 | 10.00 | |
| 27 | | | | | | | 2.00 | 10.00 | |
| 28 | | | | | | | 8.00 | 10.00 | |
| 29 | | | | | | | 10.00 | 10.00 | |
| 30 | | | | | | | 10.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 5.04 | 9.77 | |
| SUNSHINE (Minutes) | | | | | | | | | |
| Total : 0 | | | | | Possible : | | | | |
| Percent Possible : | | | | | | | | | |
| NUMBER OF DAYS WITH : | | | | | | | | | |
| SKY CONDITION | | | | | | | | | |
| Clear | | Partly CLDY | | | Cloudy | | | Missing | |
| MINIMUM VISIBILITY (MILES) | | | | | | | | | |
| <= .25 | | <= 3.0 | | | >= 7.0 | | | | |
| 4 | | 12 | | | 12 | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

SEPTEMBER 2007 KOQT

WBAN # 53868

| 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: 0608 SEP 01 | | | | | | | SUNSET: 1906 | | | | | | | |
| 01 | CLR | NC | | | 5.00 | HZ | 74 | 64 | 68 | 71 | 6 | 05 | 29.08 | 30.00 |
| 04 | CLR | NC | | | 4.00 | HZ | 72 | 64 | 67 | 76 | 3 | VR | 29.08 | 29.99 |
| 07 | CLR | NC | | | 3.00 | HZ | 71 | 64 | 67 | 79 | 3 | 05 | 29.10 | 30.03 |
| 10 | CLR | NC | | | 5.00 | HZ | 81 | 65 | 70 | 58 | 3 | VR | 29.13 | 30.06 |
| 13 | CLR | NC | | | 6.00 | HZ | 89 | 65 | 73 | 45 | 0 | 00 | 29.12 | 30.03 |
| 16 | FEW | 070 | | | 7.00 | | 91 | 62 | 72 | 38 | 3 | 13 | 29.07 | 29.98 |
| 19 | CLR | NC | | | 6.00 | HZ | 75 | 66 | 69 | 74 | 7 | VR | 29.10 | 30.04 |
| 22 | BKN | 060 | | | 6.00 | HZ | 73 | 67 | 69 | 82 | 0 | 00 | 29.16 | 30.09 |
| SUNRISE: 0609 SEP 02 | | | | | | | SUNSET: 1905 | | | | | | | |
| 01 | SCT | 065 | | | 6.00 | BR | 71 | 67 | 68 | 87 | 0 | 00 | 29.17 | 30.10 |
| 04 | FEW | 060 | | | 5.00 | BR | 69 | 66 | 67 | 90 | 0 | 00 | 29.19 | 30.12 |
| 07 | CLR | NC | | | 2.50 | BR | 69 | 66 | 67 | 90 | 0 | 00 | 29.24 | 30.18 |
| 10 | FEW | 065 | | | 6.00 | HZ | 78 | 66 | 70 | 67 | 0 | 00 | 29.26 | 30.20 |
| 13 | CLR | NC | | | 7.00 | | 87 | 65 | 72 | 48 | 0 | 00 | 29.23 | 30.15 |
| 16 | FEW | 055 | | | 7.00 | | 89 | 63 | 72 | 42 | 6 | 01 | 29.16 | 30.09 |
| 19 | CLR | NC | | | 7.00 | | 84 | 64 | 71 | 51 | 0 | 00 | 29.15 | 30.09 |
| 22 | CLR | NC | | | 6.00 | HZ | 76 | 66 | 69 | 71 | 0 | 00 | 29.20 | 30.13 |
| SUNRISE: 0610 SEP 03 | | | | | | | SUNSET: 1903 | | | | | | | |
| 01 | CLR | NC | | | 5.00 | HZ | 73 | 66 | 68 | 79 | 3 | 20 | 29.21 | 30.14 |
| 04 | CLR | NC | | | 5.00 | HZ | 71 | 66 | 68 | 84 | 0 | 00 | 29.21 | 30.14 |
| 07 | CLR | NC | | | 2.50 | BR | 70 | 66 | 67 | 87 | 0 | 00 | 29.24 | 30.18 |
| 10 | CLR | NC | | | 8.00 | | 82 | 65 | 71 | 56 | 5 | VR | 29.24 | 30.17 |
| 13 | BKN | 050 | | | 5.00 | -RA | 85 | 66 | 72 | 53 | 0 | 00 | 29.20 | 30.13 |
| 16 | CLR | NC | | | 8.00 | | 88 | 64 | 72 | 45 | 3 | VR | 29.13 | 30.05 |
| 19 | CLR | NC | | | 7.00 | | 85 | 66 | 72 | 53 | 3 | 30 | 29.12 | 30.03 |
| 22 | CLR | NC | | | 6.00 | HZ | 76 | 68 | 71 | 76 | 0 | 00 | 29.14 | 30.07 |
| SUNRISE: 0611 SEP 04 | | | | | | | SUNSET: 1902 | | | | | | | |
| 01 | CLR | NC | | | 5.00 | HZ | 71 | 65 | 67 | 81 | 0 | 00 | 29.13 | 30.05 |
| 04 | CLR | NC | | | 3.00 | BR | 67 | 64 | 65 | 90 | 0 | 00 | 29.12 | 30.04 |
| 07 | VV | 001 | | | 0.00 | FG | 65 | 64 | 64 | 97 | 0 | 00 | 29.13 | 30.07 |
| 10 | CLR | NC | | | 7.00 | | 82 | 63 | 70 | 53 | 3 | VR | 29.14 | 30.07 |
| 13 | CLR | NC | | | 10.00 | | 91 | 50 | 66 | 25 | 8 | 07 | 29.12 | 30.03 |
| 16 | CLR | NC | | | 10.00 | | 94 | 43 | 64 | 17 | 0 | 00 | 29.06 | 29.97 |
| 19 | CLR | NC | | | 10.00 | | 88 | 43 | 62 | 21 | 0 | 00 | 29.05 | 29.97 |
| 22 | CLR | NC | | | 10.00 | | 72 | 51 | 60 | 48 | 0 | 00 | 29.08 | 30.00 |
| SUNRISE: 0611 SEP 05 | | | | | | | SUNSET: 1859 | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 65 | 52 | 58 | 63 | 0 | 00 | 29.08 | 30.00 |
| 04 | CLR | NC | | | 10.00 | | 62 | 53 | 57 | 73 | 0 | 00 | 29.09 | 30.01 |
| 07 | CLR | NC | | | 10.00 | | 61 | 54 | 57 | 78 | 0 | 00 | 29.13 | 30.07 |
| 10 | CLR | NC | | | 10.00 | | 79 | 58 | 66 | 49 | 0 | 00 | 29.16 | 30.09 |
| 13 | CLR | NC | | | 10.00 | | 92 | 53 | 68 | 27 | 7 | 26 | 29.13 | 30.05 |
| 16 | CLR | NC | | | 10.00 | | 95 | 45 | 65 | 18 | 5 | 19 | 29.09 | 30.01 |
| 19 | CLR | NC | | | 10.00 | | 87 | 52 | 66 | 30 | 0 | 00 | 29.08 | 30.01 |
| 22 | CLR | NC | | | 10.00 | | 75 | 57 | 64 | 54 | 0 | 00 | 29.13 | 30.06 |
| SUNRISE: 0612 SEP 06 | | | | | | | SUNSET: 1858 | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 69 | 57 | 62 | 66 | 0 | 00 | 29.16 | 30.08 |
| 04 | CLR | NC | | | 9.00 | | 66 | 58 | 61 | 76 | 0 | 00 | 29.18 | 30.10 |
| 07 | CLR | NC | | | 6.00 | HZ | 66 | 59 | 62 | 78 | 0 | 00 | 29.23 | 30.16 |
| 10 | CLR | NC | | | 8.00 | | 79 | 59 | 67 | 50 | 0 | 00 | 29.26 | 30.19 |
| 13 | FEW | 060 | | | 8.00 | | 90 | 61 | 71 | 38 | 8 | 20 | 29.23 | 30.15 |
| 16 | FEW | 075 | | | 10.00 | | 90 | 57 | 69 | 33 | 9 | 19 | 29.18 | 30.11 |
| 19 | CLR | NC | | | 10.00 | | 85 | 59 | 68 | 41 | 3 | 23 | 29.19 | 30.12 |
| 22 | CLR | NC | | | 10.00 | | 81 | 62 | 69 | 53 | 0 | 00 | 29.21 | 30.14 |
| SUNRISE: 0613 SEP 07 | | | | | | | SUNSET: 1856 | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 76 | 62 | 67 | 62 | 0 | 00 | 29.21 | 30.13 |
| 04 | CLR | NC | | | 10.00 | | 75 | 63 | 67 | 66 | 0 | 00 | 29.20 | 30.12 |
| 07 | CLR | NC | | | 10.00 | | 75 | 63 | 67 | 66 | 0 | 00 | 29.27 | 30.20 |
| 10 | CLR | NC | | | 10.00 | | 84 | 61 | 69 | 46 | 9 | 19 | 29.26 | 30.18 |
| 13 | CLR | NC | | | 10.00 | | 89 | 59 | 70 | 36 | 13 | 17 | 29.20 | 30.12 |
| 16 | FEW | 075 | | | 10.00 | | 91 | 57 | 69 | 32 | 8 | 17 | 29.13 | 30.04 |
| 19 | CLR | NC | | | 10.00 | | 87 | 57 | 68 | 36 | 3 | 21 | 29.12 | 30.04 |
| 22 | CLR | NC | | | 10.00 | | 78 | 59 | 66 | 52 | 0 | 00 | 29.17 | 30.09 |
| SUNRISE: 0614 SEP 08 | | | | | | | SUNSET: 1855 | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 71 | 61 | 65 | 71 | 0 | 00 | 29.18 | 30.11 |
| 04 | CLR | NC | | | 10.00 | | 67 | 60 | 63 | 78 | 0 | 00 | 29.15 | 30.07 |
| 07 | CLR | NC | | | 7.00 | | 65 | 61 | 63 | 87 | 0 | 00 | 29.17 | 30.11 |
| 10 | CLR | NC | | | 10.00 | | 82 | 62 | 69 | 51 | 5 | 18 | 29.18 | 30.10 |
| 13 | CLR | NC | | | 10.00 | | 90 | 53 | 67 | 28 | 3 | VR | 29.14 | 30.06 |
| 16 | CLR | NC | | | 10.00 | | 92 | 52 | 67 | 26 | 7 | 18 | 29.06 | 29.97 |
| 19 | CLR | NC | | | 10.00 | | 88 | 56 | 68 | 34 | 0 | 00 | 29.05 | 29.97 |
| 22 | CLR | NC | | | 10.00 | | 76 | 60 | 66 | 58 | 0 | 00 | 29.08 | 30.00 |
| SUNRISE: 0615 SEP 09 | | | | | | | SUNSET: 1853 | | | | | | | |
| 01 | SCT | 085 | | | 10.00 | | 71 | 61 | 65 | 71 | 0 | 00 | 29.10 | 30.01 |
| 04 | CLR | NC | | | 10.00 | | 68 | 61 | 64 | 78 | 0 | 00 | 29.08 | 29.99 |
| 07 | CLR | NC | | | 7.00 | | 66 | 61 | 63 | 84 | 0 | 00 | 29.10 | 30.02 |
| 10 | CLR | NC | | | 10.00 | | 81 | 59 | 67 | 47 | 3 | VR | 29.12 | 30.03 |
| 13 | CLR | NC | | | 10.00 | | 91 | 59 | 70 | 34 | 5 | 27 | 29.07 | 29.99 |
| 16 | SCT | 090 | | | 10.00 | | 89 | 61 | 71 | 39 | 8 | 26 | 29.03 | 29.95 |
| 19 | OVC | 090 | | | 10.00 | | 82 | 64 | 70 | 55 | 0 | 00 | 29.06 | 29.98 |
| 22 | OVC | 100 | | | 10.00 | | 79 | 65 | 70 | 62 | 0 | 00 | 29.08 | 30.00 |
| SUNRISE: 0615 SEP 10 | | | | | | | SUNSET: 1852 | | | | | | | |
| 01 | OVC | 110 | | | 10.00 | | 77 | 65 | 69 | 67 | 0 | 00 | 29.08 | 29.99 |
| 04 | OVC | 100 | | | 10.00 | | 76 | 66 | 69 | 71 | 0 | 00 | 29.08 | 29.99 |
| 07 | OVC | 100 | | | 10.00 | | 75 | 66 | 69 | 74 | 0 | 00 | 29.10 | 30.02 |
| 10 | CLR | NC | | | 10.00 | | 80 | 66 | 71 | 62 | 0 | 00 | 29.10 | 30.03 |
| 13 | FEW | 050 | | | 10.00 | | 90 | 65 | 73 | 44 | 8 | 26 | 29.06 | 29.96 |
| 16 | BKN | 090 | | | 7.00 | -RA | 78 | 71 | 73 | 79 | 0 | 00 | 29.02 | 29.94 |
| 19 | OVC | 120 | | | 9.00 | | 78 | 71 | 73 | 79 | 0 | 00 | 29.01 | 29.93 |
| 22 | BKN | 110 | | | 5.00 | BR | 74 | 71 | 72 | 90 | 0 | 00 | 29.02 | 29.94 |
| SUNRISE: 0616 SEP 11 | | | | | | | SUNSET: 1850 | | | | | | | |
| 01 | OVC | 100 | | | 4.00 | BR | 73 | 70 | 71 | 90 | 0 | 00 | 29.01 | 29.93 |
| 04 | OVC | 110 | | | 5.00 | BR | 73 | 70 | 71 | 90 | 0 | 00 | 28.96 | 29.88 |
| 07 | OVC | 100 | | | 4.00 | BR | 73 | 70 | 71 | 90 | 3 | 22 | 28.97 | 29.89 |
| 10 | OVC | 032 | | | 1.00 | +RA BR | 71 | 69 | 70 | 93 | 3 | VR | 29.00 | 29.93 |
| 13 | OVC | 036 | | | 2.50 | -RA BR | 71 | 68 | 69 | 90 | 6 | 21 | 29.00 | 29.93 |
| 16 | BKN | 015 | | | 10.00 | | 74 | 70 | 71 | 87 | 6 | 21 | 28.97 | 29.90 |
| 19 | BKN | 070 | | | 10.00 | | 74 | 70 | 71 | 87 | 0 | 00 | 28.99 | 29.92 |
| 22 | OVC | 002 | | | 5.00 | BR | 71 | 69 | 70 | 93 | 0 | 00 | 29.04 | 29.98 |
| SUNRISE: 0617 SEP 12 | | | | | | | SUNSET: 1849 | | | | | | | |
| 01 | CLR | NC | | | 6.00 | BR | 65 | 62 | 63 | 90 | 0 | 00 | 29.08 | 30.03 |
| 04 | CLR | NC | | | 3.00 | BR | 61 | 58 | 59 | 90 | 0 | 00 | 29.09 | 30.03 |
| 07 | CLR | NC | | | 2.50 | BR | 58 | 56 | 57 | 93 | 0 | 00 | 29.12 | 30.06 |
| 10 | CLR | NC | | | 10.00 | | 73 | 53 | 61 | 50 | 9 | 06 | 29.13 | 30.07 |
| 13 | CLR | NC | | | 10.00 | | 79 | 48 | 61 | 34 | 0 | 00 | 29.13 | 30.06 |
| 16 | CLR | NC | | | 10.00 | | 83 | 50 | 63 | 32 | 5 | 03 | 29.07 | 30.01 |
| 19 | CLR | NC | | | 10.00 | | 77 | 54 | 63 | 45 | 0 | 00 | 29.08 | 30.02 |
| 22 | CLR | NC | | | 10.00 | | 64 | 57 | 60 | 78 | 0 | 00 | 29.13 | 30.07 |

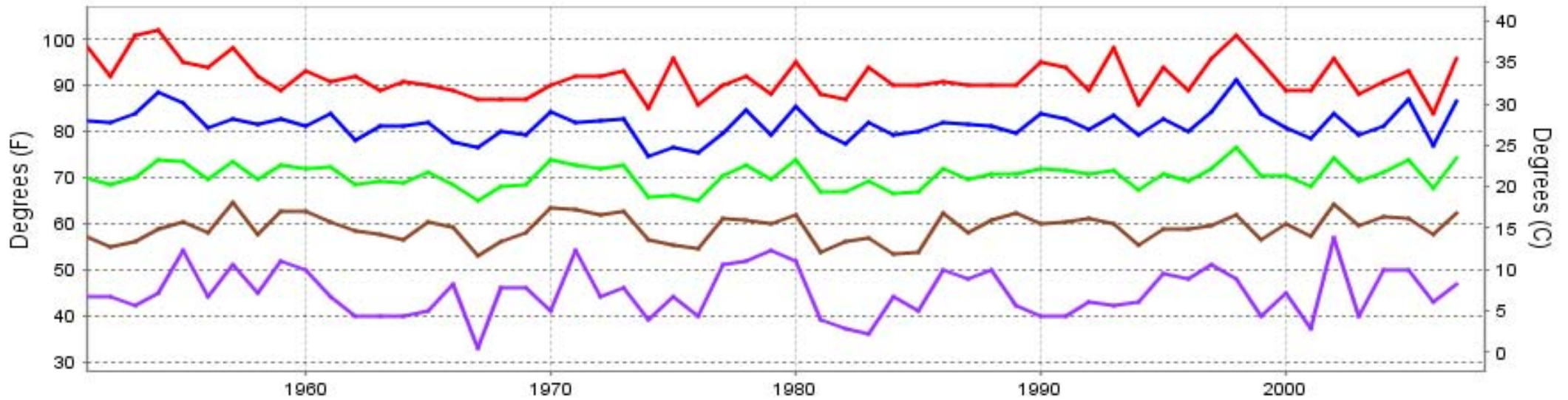
OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN SEPTEMBER 2007 KOQT

WBAN # 53868

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | WIND | | PRESSURE (INCHES, HG) | | | |
|--|-----------|-------------------------|---------------------------|----------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|---------|--|-----------|-------------------------|--------------|---------------------------|-----------------------|---------|----------------------|----------|-----------|----------|----------------------------|--------------------------|--------------------------|---------|--------------|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION Tens of Deg | STATION | | | | SEA LEVEL | Observation Time (LST) | | | Eff Cld Amt Oktas | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION Tens of Deg | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0618 SEP 13 SUNSET: 1847 | | | | | | | | | | | | | | SUNRISE: 0622 SEP 19 SUNSET: 1839 | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 61 | 56 | 58 | 84 | 0 | 00 | 29.12 | 30.06 | 01 | CLR | NC | | | 7.00 | | 62 | 58 | 60 | 87 | 0 | 00 | 29.24 | 30.19 |
| 04 | CLR | NC | | | 10.00 | | 57 | 55 | 56 | 93 | 0 | 00 | 29.12 | 30.06 | 04 | CLR | NC | | | 4.00 | BR | 59 | 56 | 57 | 90 | 0 | 00 | 29.24 | 30.19 |
| 07 | CLR | NC | | | 10.00 | | 58 | 55 | 56 | 90 | 0 | 00 | 29.14 | 30.10 | 07 | CLR | NC | | | 2.00 | BR | 57 | 55 | 56 | 93 | 0 | 00 | 29.29 | 30.25 |
| 10 | CLR | NC | | | 10.00 | | 73 | 56 | 63 | 55 | 3 | VR | 29.16 | 30.11 | 10 | CLR | NC | | | 10.00 | | 70 | 57 | 62 | 64 | 5 | 06 | 29.30 | 30.25 |
| 13 | CLR | NC | | | 10.00 | | 83 | 54 | 65 | 37 | 0 | 00 | 29.13 | 30.06 | 13 | CLR | NC | | | 10.00 | | 81 | 58 | 67 | 46 | 5 | VR | 29.23 | 30.17 |
| 16 | CLR | NC | | | 10.00 | | 86 | 56 | 67 | 36 | 5 | VR | 29.06 | 30.00 | 16 | CLR | NC | | | 10.00 | | 84 | 55 | 66 | 37 | 7 | 06 | 29.17 | 30.11 |
| 19 | CLR | NC | | | 10.00 | | 80 | 58 | 66 | 47 | 0 | 00 | 29.06 | 29.99 | 19 | CLR | NC | | | 10.00 | | 78 | 58 | 66 | 50 | 0 | 00 | 29.17 | 30.12 |
| 22 | OVC | 060 | | | 10.00 | | 74 | 63 | 67 | 69 | 0 | 00 | 29.08 | 30.01 | 22 | CLR | NC | | | 9.00 | | 67 | 60 | 63 | 78 | 0 | 00 | 29.18 | 30.13 |
| SUNRISE: 0618 SEP 14 SUNSET: 1846 | | | | | | | | | | | | | | SUNRISE: 0623 SEP 20 SUNSET: 1837 | | | | | | | | | | | | | | | |
| 01 | OVC | 065 | | | 8.00 | -RA | 72 | 66 | 68 | 82 | 5 | 23 | 29.10 | 30.03 | 01 | CLR | NC | | | 6.00 | BR | 63 | 59 | 61 | 87 | 0 | 00 | 29.16 | 30.10 |
| 04 | BKN | 110 | | | 6.00 | -RA BR | 70 | 68 | 69 | 93 | 0 | 00 | 29.07 | 29.99 | 04 | CLR | NC | | | 5.00 | BR | 61 | 59 | 60 | 93 | 0 | 00 | 29.17 | 30.11 |
| 07 | OVC | 006 | | | 3.00 | -RA BR | 70 | 68 | 69 | 93 | 0 | 00 | 29.06 | 29.99 | 07 | CLR | NC | | | 4.00 | BR | 61 | 58 | 59 | 90 | 0 | 00 | 29.20 | 30.14 |
| 10 | OVC | 017 | | | 1.75 | +RA BR | 68 | 67 | 67 | 97 | 3 | 21 | 29.07 | 30.01 | 10 | CLR | NC | | | 10.00 | | 74 | 56 | 63 | 54 | 7 | 05 | 29.19 | 30.14 |
| 13 | OVC | 020 | | | 10.00 | -RA | 71 | 67 | 68 | 87 | 0 | 00 | 29.06 | 29.99 | 13 | CLR | NC | | | 10.00 | | 82 | 54 | 65 | 38 | 5 | VR | 29.13 | 30.06 |
| 16 | OVC | 036 | | | 10.00 | -RA | 71 | 67 | 68 | 87 | 0 | 00 | 29.02 | 29.96 | 16 | CLR | NC | | | 10.00 | | 85 | 52 | 65 | 32 | 3 | VR | 29.08 | 30.01 |
| 19 | BKN | 035 | | | 10.00 | | 71 | 68 | 69 | 90 | 0 | 00 | 29.05 | 29.98 | 19 | CLR | NC | | | 10.00 | | 77 | 53 | 63 | 43 | 0 | 00 | 29.08 | 30.02 |
| 22 | OVC | 005 | | | 0.25 | FG | 68 | 67 | 67 | 97 | 0 | 00 | 29.08 | 30.02 | 22 | CLR | NC | | | 10.00 | | 68 | 56 | 61 | 66 | 0 | 00 | 29.10 | 30.03 |
| SUNRISE: 0625 SEP 15 SUNSET: 1845 | | | | | | | | | | | | | | SUNRISE: 0624 SEP 21 SUNSET: 1836 | | | | | | | | | | | | | | | |
| 01 | OVC | 001 | | | 1.50 | BR | 66 | 65 | 65 | 97 | 0 | 00 | 29.09 | 30.03 | 01 | CLR | NC | | | 10.00 | | 63 | 56 | 59 | 78 | 0 | 00 | 29.10 | 30.03 |
| 04 | BKN | 075 | | | 10.00 | | 65 | 60 | 62 | 84 | 0 | 00 | 29.12 | 30.06 | 04 | CLR | NC | | | 10.00 | | 62 | 56 | 59 | 81 | 0 | 00 | 29.10 | 30.03 |
| 07 | CLR | NC | | | 10.00 | | 61 | 50 | 55 | 67 | 0 | 00 | 29.18 | 30.13 | 07 | CLR | NC | | | 10.00 | | 62 | 58 | 60 | 87 | 0 | 00 | 29.13 | 30.08 |
| 10 | CLR | NC | | | 10.00 | | 66 | 48 | 56 | 52 | 9 | 05 | 29.23 | 30.18 | 10 | CLR | NC | | | 10.00 | | 77 | 62 | 67 | 60 | 5 | 04 | 29.14 | 30.07 |
| 13 | CLR | NC | | | 10.00 | | 70 | 42 | 55 | 36 | 9 | 07 | 29.22 | 30.18 | 13 | CLR | NC | | | 10.00 | | 85 | 61 | 69 | 45 | 8 | 08 | 29.10 | 30.03 |
| 16 | CLR | NC | | | 10.00 | | 74 | 38 | 55 | 27 | 5 | VR | 29.20 | 30.14 | 16 | BKN | 075 | | | 10.00 | | 87 | 60 | 70 | 40 | 5 | 12 | 29.04 | 29.96 |
| 19 | CLR | NC | | | 10.00 | | 65 | 40 | 52 | 40 | 0 | 00 | 29.21 | 30.17 | 19 | OVC | 070 | | | 10.00 | | 81 | 65 | 70 | 58 | 0 | 00 | 29.05 | 29.98 |
| 22 | CLR | NC | | | 10.00 | | 55 | 46 | 50 | 72 | 0 | 00 | 29.23 | 30.20 | 22 | CLR | NC | | | 10.00 | | 78 | 64 | 69 | 62 | 3 | 27 | 29.08 | 30.00 |
| SUNRISE: 0620 SEP 16 SUNSET: 1843 | | | | | | | | | | | | | | SUNRISE: 0625 SEP 22 SUNSET: 1834 | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 52 | 44 | 48 | 74 | 3 | 07 | 29.21 | 30.18 | 01 | CLR | NC | | | 10.00 | | 72 | 64 | 67 | 76 | 0 | 00 | 29.12 | 30.04 |
| 04 | CLR | NC | | | 10.00 | | 52 | 44 | 48 | 74 | 0 | 00 | 29.22 | 30.18 | 04 | SCT | 090 | | | 10.00 | | 69 | 63 | 65 | 81 | 0 | 00 | 29.13 | 30.05 |
| 07 | CLR | NC | | | 10.00 | | 51 | 45 | 48 | 80 | 0 | 00 | 29.28 | 30.25 | 07 | CLR | NC | | | 10.00 | | 66 | 63 | 64 | 90 | 0 | 00 | 29.15 | 30.09 |
| 10 | CLR | NC | | | 10.00 | | 65 | 44 | 54 | 47 | 0 | 00 | 29.29 | 30.25 | 10 | CLR | NC | | | 10.00 | | 78 | 64 | 69 | 62 | 0 | 00 | 29.18 | 30.11 |
| 13 | FEW | 060 | | | 10.00 | | 75 | 46 | 59 | 36 | 6 | 20 | 29.24 | 30.20 | 13 | BKN | 085 | | | 10.00 | | 84 | 64 | 71 | 51 | 3 | 11 | 29.18 | 30.11 |
| 16 | CLR | NC | | | 10.00 | | 79 | 49 | 62 | 35 | 3 | VR | 29.18 | 30.13 | 16 | CLR | NC | | | 10.00 | | 87 | 64 | 72 | 46 | 0 | 00 | 29.13 | 30.06 |
| 19 | CLR | NC | | | 10.00 | | 72 | 52 | 60 | 50 | 0 | 00 | 29.19 | 30.15 | 19 | CLR | NC | | | 10.00 | | 81 | 65 | 70 | 58 | 0 | 00 | 29.14 | 30.08 |
| 22 | CLR | NC | | | 10.00 | | 62 | 55 | 58 | 78 | 0 | 00 | 29.22 | 30.18 | 22 | CLR | NC | | | 10.00 | | 72 | 66 | 68 | 82 | 0 | 00 | 29.18 | 30.12 |
| SUNRISE: 0621 SEP 17 SUNSET: 1842 | | | | | | | | | | | | | | SUNRISE: 0625 SEP 23 SUNSET: 1833 | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | 8.00 | | 59 | 55 | 57 | 87 | 0 | 00 | 29.24 | 30.19 | 01 | CLR | NC | | | 10.00 | | 68 | 65 | 66 | 90 | 0 | 00 | 29.20 | 30.13 |
| 04 | CLR | NC | | | 8.00 | | 57 | 54 | 55 | 90 | 0 | 00 | 29.25 | 30.20 | 04 | CLR | NC | | | 9.00 | | 67 | 64 | 65 | 90 | 0 | 00 | 29.20 | 30.13 |
| 07 | CLR | NC | | | 10.00 | | 56 | 53 | 54 | 90 | 0 | 00 | 29.31 | 30.27 | 07 | BKN | 002 | | | 2.00 | BR | 65 | 63 | 64 | 93 | 0 | 00 | 29.26 | 30.20 |
| 10 | CLR | NC | | | 10.00 | | 69 | 55 | 61 | 61 | 5 | 08 | 29.33 | 30.29 | 10 | CLR | NC | | | 10.00 | | 79 | 66 | 70 | 65 | 0 | 00 | 29.27 | 30.21 |
| 13 | CLR | NC | | | 10.00 | | 80 | 57 | 66 | 45 | 3 | VR | 29.28 | 30.23 | 13 | CLR | NC | | | 10.00 | | 90 | 65 | 73 | 44 | 6 | VR | 29.22 | 30.15 |
| 16 | SCT | 060 | | | 10.00 | | 79 | 56 | 65 | 45 | 3 | 08 | 29.24 | 30.19 | 16 | CLR | NC | | | 10.00 | | 92 | 60 | 71 | 34 | 0 | 00 | 29.16 | 30.08 |
| 19 | CLR | NC | | | 10.00 | | 74 | 59 | 65 | 60 | 0 | 00 | 29.24 | 30.20 | 19 | CLR | NC | | | 10.00 | | 84 | 63 | 70 | 49 | 0 | 00 | 29.15 | 30.09 |
| 22 | CLR | NC | | | 8.00 | | 65 | 60 | 62 | 84 | 0 | 00 | 29.27 | 30.22 | 22 | CLR | NC | | | 10.00 | | 77 | 65 | 69 | 67 | 0 | 00 | 29.20 | 30.14 |
| SUNRISE: 0621 SEP 18 SUNSET: 1840 | | | | | | | | | | | | | | SUNRISE: 0626 SEP 24 SUNSET: 1831 | | | | | | | | | | | | | | | |
| 01 | SCT | 060 | | | 6.00 | BR | 62 | 58 | 60 | 87 | 0 | 00 | 29.27 | 30.22 | 01 | BKN | 070 | | | 10.00 | | 71 | 65 | 67 | 81 | 0 | 00 | 29.21 | 30.14 |
| 04 | CLR | NC | | | 3.00 | BR | 59 | 57 | 58 | 93 | 0 | 00 | 29.28 | 30.23 | 04 | CLR | NC | | | 10.00 | | 71 | 65 | 67 | 81 | 0 | 00 | 29.20 | 30.13 |
| 07 | VV | 001 | | | 0.25 | FG | 60 | 59 | 59 | 97 | 0 | 00 | 29.33 | 30.28 | 07 | CLR | NC | | | 7.00 | | 67 | 64 | 65 | 90 | 0 | 00 | 29.26 | 30.19 |
| 10 | CLR | NC | | | 10.00 | | 71 | 59 | 64 | 66 | 3 | VR | 29.35 | 30.30 | 10 | CLR | NC | | | 10.00 | | 81 | 67 | 72 | 63 | 0 | 00 | 29.27 | 30.20 |
| 13 | CLR | NC | | | 10.00 | | 79 | 59 | 67 | 50 | 3 | VR | 29.29 | 30.24 | 13 | FEW | 047 | | | 10.00 | | 90 | 65 | 73 | 44 | 0 | 00 | 29.22 | 30.14 |
| 16 | CLR | NC | | | 10.00 | | 81 | 56 | 66 | 42 | 3 | 35 | 29.23 | 30.17 | 16 | CLR | NC | | | 10.00 | | 91 | 60 | 71 | 35 | 5 | 11 | 29.16 | 30.08 |
| 19 | CLR | NC | | | 10.00 | | 75 | 56 | 64 | 52 | 0 | 00 | 29.22 | 30.17 | 19 | CLR | NC | | | 10.00 | | 83 | 65 | 71 | 55 | 0 | 00 | 29.15 | 30.08 |
| 22 | CLR | NC | | | 9.00 | | 65 | 59 | 61 | 81 | 0 | 00 | 29.23 | 30.18 | 22 | CLR | NC | | | 10.00 | | 76 | 65 | 69 | 69 | 0 | 00 | 29.18 | 30.11 |

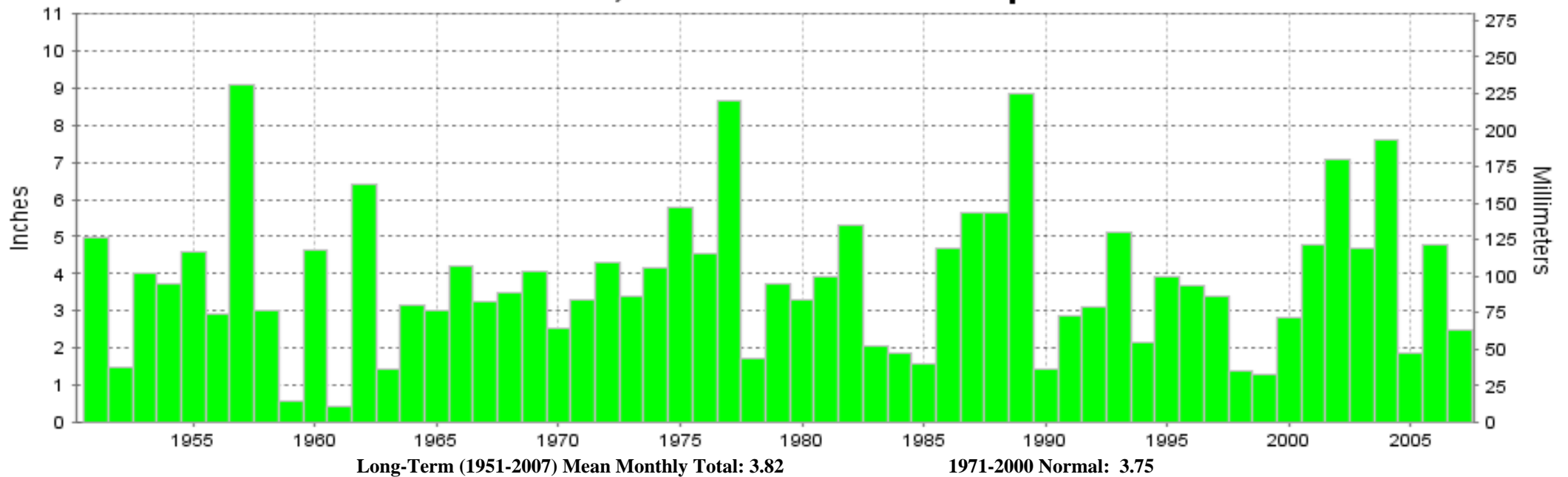
OAK RIDGE, TN SEPTEMBER Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1951-2007) Mean: 70.3
1971-2000 Normal: 70.0

OAK RIDGE, TN SEPTEMBER Precipitation



Long-Term (1951-2007) Mean Monthly Total: 3.82

1971-2000 Normal: 3.75



SEPTEMBER 2007
OAK RIDGE, TN

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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DIRECTOR

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