

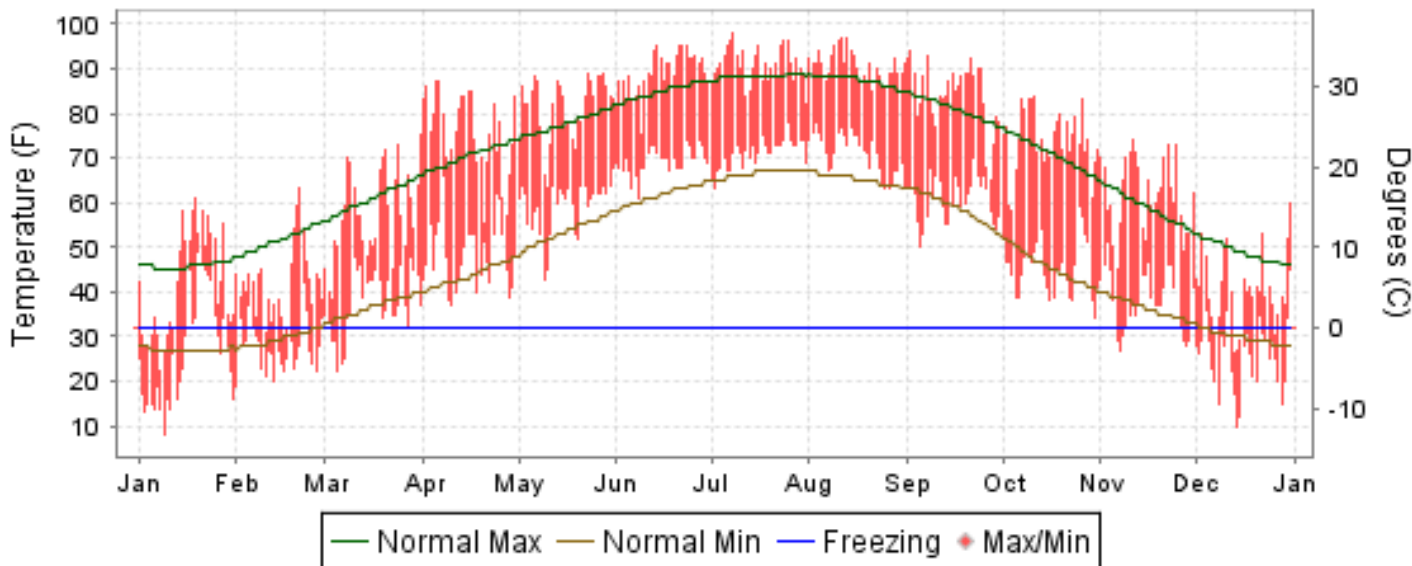


2010 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

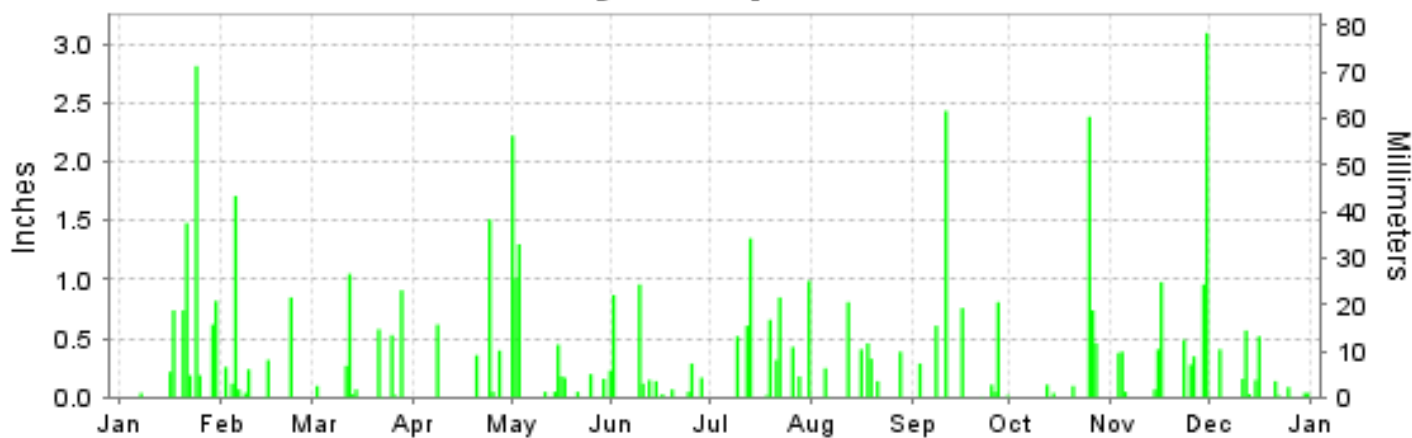
ISSN 0198-4861

OAK RIDGE, TENNESSEE (KOQT)

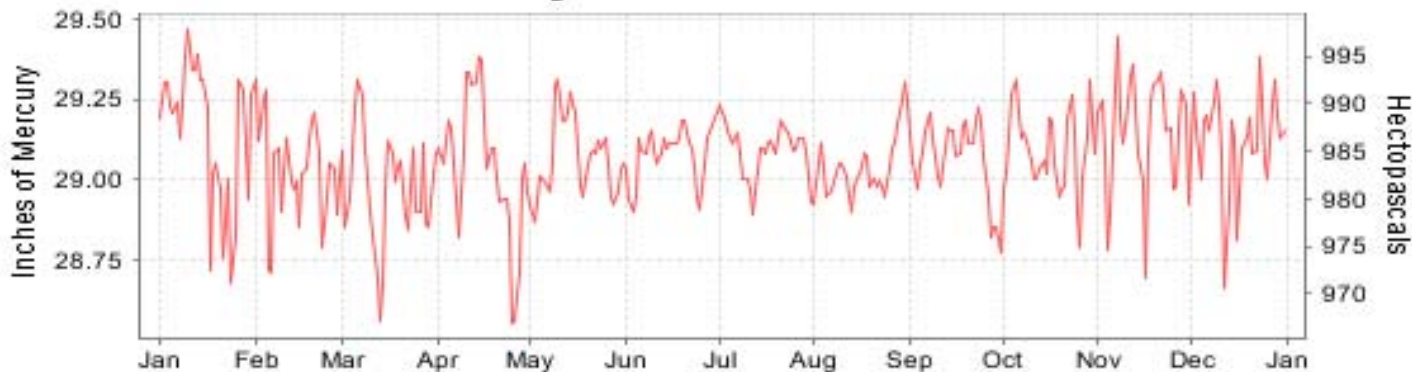
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2010

OAK RIDGE (KOQT)

LATITUDE: 36° 1' N LONGITUDE: -84° 14' W ELEVATION (FT): GRND: 913 BARO: 916 TIME ZONE: EASTERN (UTC -5) WBAN: 53868

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 41.8 | 42.0 | 57.6 | 75.6 | 81.4 | 89.0 | 90.8 | 90.6 | 84.2 | 73.9 | 61.7 | 40.5 | 69.1 | |
| | HIGHEST DAILY MAXIMUM | 61 | 63 | 75 | 87 | 89 | 95 | 98 | 97 | 94 | 84 | 74 | 60 | 98 | |
| | DATE OF OCCURRENCE | 19 | 21 | 31 | 06+ | 28+ | 23+ | 08 | 13+ | 02 | 11 | 11 | 31 | JUL 08 | |
| | MEAN DAILY MINIMUM | 26.3 | 27.5 | 37.7 | 48.4 | 59.3 | 69.3 | 71.1 | 71.0 | 60.7 | 45.4 | 38.6 | 25.6 | 48.4 | |
| | LOWEST DAILY MINIMUM | 8 | 19 | 22 | 37 | 43 | 61 | 63 | 63 | 50 | 34 | 27 | 10 | 8 | |
| | DATE OF OCCURRENCE | 09 | 01 | 05 | 10 | 09 | 08 | 02 | 26+ | 05 | 30 | 07 | 14 | JAN 09 | |
| | AVERAGE DRY BULB | 34.1 | 34.8 | 47.7 | 62.0 | 70.4 | 79.2 | 81.0 | 80.8 | 72.5 | 59.7 | 50.2 | 33.1 | 58.8 | |
| | MEAN WET BULB | 30.6 | 31.3 | 42.4 | 53.2 | 63.4 | 72.5 | 72.5 | 73.4 | 65.0 | 51.7 | 44.8 | 29.2 | | |
| | MEAN DEW POINT | 25.2 | 25.3 | 36.1 | 45.2 | 59.5 | | | 68.9 | 70.6 | 61.0 | 45.5 | 40.0 | 23.0 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 14 | 21 | 18 | 6 | 0 | 0 | 0 | 0 | 59 |
| | MAXIMUM <= 32° | 9 | 3 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 24 | |
| MINIMUM <= 32° | 21 | 23 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 26 | 84 | | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 948 | 839 | 533 | 128 | 25 | 0 | 0 | 0 | 4 | 165 | 437 | 981 | 4060 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 43 | 195 | 435 | 501 | 496 | 237 | 9 | 0 | 0 | 1916 | |
| RH | MEAN (PERCENT) | 73 | 71 | 69 | 59 | 73 | 75 | 73 | 77 | 74 | 68 | 74 | 69 | 71 | |
| | HOUR 01 LST | 80 | 77 | 80 | 74 | 88 | 91 | 86 | 91 | 91 | 85 | 86 | 75 | 84 | |
| | HOUR 07 LST | 83 | 80 | 83 | 77 | 82 | 84 | 80 | 88 | 89 | 86 | 88 | 79 | 83 | |
| | HOUR 13 LST | 61 | 61 | 55 | 41 | 53 | 58 | 55 | 59 | 50 | 38 | 55 | 56 | 54 | |
| | HOUR 19 LST | 72 | 68 | 63 | 49 | 72 | 69 | 67 | 76 | 74 | 68 | 74 | 67 | 68 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 2 | 1 | 2 | 3 | 8 | 4 | 7 | 6 | 9 | 7 | 3 | 0 | 52 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CLOUDNESS | SUNRISE-SUNSET: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (<= 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (<= 12,000 FT.) | | | | | | | | | | | | | | |
| SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| CLEAR | | | | | | | | | | | | | | | |
| PARTLY CLOUDY | | | | | | | | | | | | | | | |
| CLOUDY | | | | | | | | | | | | | | | |
| PR | MEAN STATION PRESS. (IN.) | 29.15 | 29.03 | 28.97 | 29.05 | 29.07 | 29.07 | 29.09 | 29.04 | 29.07 | 29.09 | 29.15 | 29.13 | 29.08 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.19 | 30.04 | 29.96 | 30.00 | 30.01 | 30.00 | 30.02 | 29.97 | 30.01 | 30.06 | 30.14 | 30.15 | 30.05 | |
| WINDS | RESULTANT SPEED (MPH) | 0.6 | 0.9 | 0.4 | 1.6 | 0.7 | 0.7 | 0.4 | 0.1 | 0.0 | 0.4 | 0.7 | 0.7 | 0.4 | |
| | RES. DIR. (TENS OF DEGS.) | 36 | 28 | 30 | 23 | 21 | 22 | 20 | 16 | 18 | 24 | 22 | 30 | 25 | |
| | MEAN SPEED (MPH) | 2.5 | 3.1 | 2.9 | 3.2 | 2.6 | 2.1 | 2.0 | 1.6 | 1.3 | 1.9 | 1.8 | 2.4 | 2.3 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 04 | 05 | 04 | 21 | 06 | 21 | 21 | 07 | 06 | 21 | 20 | 25 | 21 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 14 | 22 | 18 | 23 | 28 | 22 | 21 | 21 | 21 | 26 | 20 | 16 | 28 | |
| | DIR. (TENS OF DEGS.) | 25 | 27 | 18 | 20 | 15 | 26 | 36 | 16 | 29 | 19 | 21 | 25 | 15 | |
| | DATE OF OCCURRENCE | 26 | 09 | 28 | 25 | 15 | 14 | 26 | 28 | 03 | 26 | 25 | 13 | MAY 15 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 23 | 35 | 32 | 36 | 41 | 33 | 36 | 35 | 33 | 41 | 35 | 25 | 41 | |
| DIR. (TENS OF DEGS.) | 29 | 27 | 26 | 23 | 15 | 27 | 36 | 16 | 28 | 19 | 21 | 32 | 19 | | |
| DATE OF OCCURRENCE | 07 | 09 | 21 | 25 | 15 | 14 | 26 | 28 | 03 | 26 | 25 | 13 | OCT 26 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 7.85 | 3.62 | 3.57 | 2.94 | 6.08 | | 5.95 | 2.80 | 5.10 | 3.83 | 7.45 | 2.19 | 51.38 | |
| | GREATEST 24-HOUR (IN.) | 2.95 | 1.75 | 1.05 | 1.56 | 2.31 | | 1.35 | 0.81 | 2.43 | 2.39 | 3.91 | 0.70 | 3.91 | |
| | DATE OF OCCURRENCE | 24-25 | 04-05 | 12 | 24-25 | 02-03 | | 13 | 12 | 11 | 25-26 | 29-30 | 11-12 | NOV 29-30 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 10 | 9 | 10 | 5 | 13 | 11 | 12 | 8 | 10 | 6 | 11 | 13 | 118 | |
| PRECIPITATION 0.10 | 9 | 6 | 6 | 4 | 9 | 6 | 9 | 7 | 6 | 5 | 9 | 6 | 82 | | |
| PRECIPITATION 1.00 | 2 | 1 | 1 | 1 | 3 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 12 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | | | | | | | | | | | | | | | |

NORMALS, MEANS, AND EXTREMES OAK RIDGE (KOQT)

LATITUDE: 36° 1' N **LONGITUDE:** -84° 14' W **ELEVATION (FT):** GRND: 913 BARO: 916 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 53868**

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 45.9 | 51.6 | 61.0 | 70.5 | 77.8 | 84.9 | 88.1 | 87.2 | 81.1 | 71.1 | 59.0 | 49.0 | 68.9 |
| | MEAN DAILY MAXIMUM | 11 | 47.3 | 51.6 | 61.7 | 71.6 | 78.8 | 85.5 | 87.8 | 88.8 | 82.1 | 71.5 | 61.1 | 49.1 | 69.7 |
| | HIGHEST DAILY MAXIMUM | 63 | 76 | 79 | 86 | 92 | 93 | 101 | 105 | 103 | 102 | 90 | 83 | 78 | 105 |
| | YEAR OF OCCURRENCE | | 1999 | 1977 | 2007 | 1986 | 1998 | 1988 | 1952 | 2007 | 1954 | 2007 | 1961 | 1982 | JUL 1952 |
| | MEAN OF EXTREME MAXS. | 44 | 66.9 | 69.7 | 77.7 | 86.1 | 88.3 | 92.9 | 95.0 | 95.3 | 91.0 | 83.4 | 77.0 | 66.0 | 82.4 |
| | NORMAL DAILY MINIMUM | 30 | 27.2 | 29.5 | 36.6 | 43.8 | 53.4 | 61.7 | 66.4 | 65.2 | 58.8 | 45.7 | 36.4 | 29.8 | 46.2 |
| | MEAN DAILY MINIMUM | 11 | 29.2 | 31.8 | 39.3 | 48.2 | 56.5 | 64.4 | 68.4 | 68.1 | 60.6 | 48.5 | 39.1 | 30.9 | 48.8 |
| | LOWEST DAILY MINIMUM | 63 | -17 | -13 | 1 | 20 | 30 | 39 | 49 | 50 | 33 | 21 | 0 | -7 | -17 |
| | YEAR OF OCCURRENCE | | 1985 | 1996 | 1980 | 1987 | 1976 | 1977 | 1988 | 1989 | 1967 | 1952 | 1950 | 1983 | JAN 1985 |
| | MEAN OF EXTREME MINS. | 44 | 11.7 | 18.0 | 23.6 | 32.8 | 41.9 | 53.3 | 60.1 | 60.4 | 46.5 | 32.9 | 24.8 | 15.7 | 35.1 |
| | NORMAL DRY BULB | 30 | 35.0 | 38.8 | 47.9 | 56.8 | 64.9 | 72.4 | 75.8 | 75.2 | 69.1 | 57.4 | 47.3 | 38.6 | 56.6 |
| | MEAN DRY BULB | 41 | 36.5 | 39.8 | 49.0 | 58.2 | 66.0 | 73.8 | 77.3 | 76.7 | 70.1 | 58.7 | 48.1 | 39.6 | 57.8 |
| | MEAN WET BULB | 11 | 31.3 | 32.8 | 40.8 | 49.5 | 58.6 | 65.8 | 69.0 | 68.9 | 62.5 | 51.9 | 42.4 | 33.7 | 50.6 |
| | MEAN DEW POINT | 11 | 30.7 | 33.0 | 39.5 | 49.0 | 58.1 | 65.3 | 69.1 | 68.8 | 61.9 | 51.6 | 41.6 | 32.6 | 50.1 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 6.4 | 13.7 | 10.4 | 3.7 | 0.0 | 0.0 | 0.0 | 35.1 |
| | MAXIMUM <= 32 | 30 | 3.4 | 1.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | 1.9 | 7.1 |
| | MINIMUM <= 32 | 30 | 21.9 | 17.7 | 11.7 | 3.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 12.1 | 20.0 | 89.1 |
| MINIMUM <= 0 | 30 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 882 | 696 | 510 | 254 | 80 | 6 | 0 | 0 | 30 | 230 | 518 | 787 | 3993 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 2 | 19 | 95 | 254 | 380 | 347 | 180 | 23 | 1 | 0 | 1301 |
| RH | NORMAL (PERCENT) | 30 | | | | | | | | | | | | | |
| | hour 01 LST | 30 | | | | | | | | | | | | | |
| | hour 07 LST | 30 | | | | | | | | | | | | | |
| | hour 13 LST | 30 | | | | | | | | | | | | | |
| | hour 19 LST | 30 | | | | | | | | | | | | | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 11 | 2.5 | 1.3 | 1.8 | 1.8 | 5.7 | 4.8 | 5.9 | 5.3 | 7.6 | 7.8 | 4.4 | 3.9 | 52.8 |
| | THUNDERSTORMS | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| CLOUDNESS | MEAN: SUNRISE-SUNSET (OKTAS) | 40 | 5.4 | 5.2 | 5.2 | 4.7 | 4.7 | 4.4 | 4.6 | 4.7 | 4.5 | 3.9 | 4.8 | 5.2 | 4.8 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: CLEAR | 42 | 7.2 | 7.6 | 7.9 | 9.7 | 9.2 | 9.4 | 8.2 | 9.3 | 9.9 | 13.7 | 9.2 | 8.1 | 109.4 |
| | PARTLY CLOUDY | 42 | 6.6 | 5.7 | 7.3 | 6.9 | 9.0 | 10.4 | 11.5 | 11.4 | 8.9 | 7.0 | 7.2 | 6.3 | 98.2 |
| | CLOUDY | 42 | 17.2 | 15.0 | 15.8 | 13.4 | 12.8 | 10.2 | 11.3 | 10.2 | 11.2 | 10.2 | 13.6 | 16.6 | 157.5 |
| PR | MEAN STATION PRESSURE(IN) | 11 | 29.18 | 29.15 | 29.09 | 29.06 | 29.06 | 29.07 | 29.08 | 29.08 | 29.10 | 29.14 | 29.17 | 29.17 | 29.11 |
| | MEAN SEA-LEVEL PRES. (IN) | 11 | 30.19 | 30.16 | 30.08 | 30.03 | 30.01 | 30.00 | 30.01 | 30.01 | 30.05 | 30.10 | 30.15 | 30.18 | 30.08 |
| WINDS | MEAN SPEED (MPH) | 11 | 3.6 | 3.7 | 4.2 | 4.0 | 3.2 | 2.7 | 2.7 | 2.4 | 2.2 | 2.2 | 2.6 | 3.1 | 3.1 |
| | PREVAIL.DIR(TENS OF DEGS) | 12 | 23 | 05 | 05 | 23 | 22 | 22 | 21 | 06 | 06 | 06 | 05 | 05 | 05 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 11 | 29 | 31 | 28 | 29 | 30 | 28 | 28 | 25 | 23 | 26 | 28 | 28 | 31 |
| | DIR. (TENS OF DEGS) | | 27 | 28 | 06 | 29 | 21 | 29 | 08 | 19 | 25 | 19 | 19 | 22 | 28 |
| | YEAR OF OCCURRENCE | | 2002 | 2009 | 2001 | 2006 | 2007 | 2008 | 2002 | 2005 | 2000 | 2010 | 2002 | 2006 | FEB 2009 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 11 | 41 | 53 | 39 | 39 | 41 | 51 | 40 | 39 | 38 | 41 | 40 | 44 | 53 |
| | DIR. (TENS OF DEGS) | | 26 | 28 | 01 | 20 | 15 | 25 | 31 | 17 | 26 | 19 | 17 | 24 | 28 |
| YEAR OF OCCURRENCE | | 2002 | 2009 | 2001 | 2008 | 2010 | 2007 | 2009 | 2005 | 2000 | 2010 | 2002 | 2009 | FEB 2009 | |
| PRECIPITATION | NORMAL (IN) | 30 | 5.13 | 4.50 | 5.72 | 4.32 | 5.14 | 4.64 | 5.16 | 3.39 | 3.75 | 3.02 | 4.86 | 5.42 | 55.05 |
| | MAXIMUM MONTHLY (IN) | 63 | 13.27 | 12.78 | 12.24 | 14.03 | 10.70 | 11.14 | 19.27 | 10.46 | 9.10 | 6.95 | 12.22 | 12.64 | 19.27 |
| | YEAR OF OCCURRENCE | | 1954 | 2003 | 1975 | 1998 | 1984 | 1989 | 1967 | 1960 | 1957 | 1972 | 1948 | 1990 | JUL 1967 |
| | MINIMUM MONTHLY (IN) | 63 | 0.93 | 0.84 | 2.13 | 0.88 | 0.80 | 0.53 | 1.23 | 0.54 | 0.41 | T | 1.37 | 0.67 | T |
| | YEAR OF OCCURRENCE | | 1981 | 1968 | 1957 | 1976 | 1970 | 1988 | 1995 | 1953 | 1961 | 1963 | 1949 | 1965 | OCT 1963 |
| | MAXIMUM IN 24 HOURS (IN) | 63 | 4.25 | 5.18 | 4.74 | 6.24 | 4.41 | 3.70 | 4.91 | 7.48 | 5.11 | 2.66 | 5.29 | 5.12 | 7.48 |
| | YEAR OF OCCURRENCE | | 1954 | 2003 | 1973 | 1977 | 1973 | 1969 | 1967 | 1960 | 2004 | 1976 | 1973 | 1969 | AUG 1960 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 12.2 | 10.9 | 12.6 | 10.2 | 11.7 | 11.5 | 11.9 | 9.6 | 8.7 | 7.9 | 9.8 | 11.3 | 128.3 |
| PRECIPITATION >= 1.00 | 30 | 1.4 | 1.1 | 1.5 | 0.9 | 1.4 | 1.4 | 1.3 | 0.8 | 1.3 | 1.0 | 1.4 | 1.5 | 15.0 | |
| SNOWFALL | NORMAL (IN) | 30 | 4.0 | 3.8 | 0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 2.2 | 11.1 |
| | MAXIMUM MONTHLY (IN) | 52 | 9.6 | 17.2 | 21.0 | 5.9 | T | T | T | T | 0.0 | T | 6.5 | 14.8 | 21.0 |
| | YEAR OF OCCURRENCE | | 1966 | 1979 | 1960 | 1987 | 1993 | 1998 | 1993 | 1990 | | 1993 | 1950 | 1963 | MAR 1960 |
| | MAXIMUM IN 24 HOURS (IN) | 52 | 8.3 | 11.3 | 12.0 | 5.4 | T | T | T | T | 0.0 | T | 6.5 | 10.8 | 12.0 |
| | YEAR OF OCCURRENCE | | 1962 | 1996 | 1960 | 1987 | 1993 | 1998 | 1993 | 1990 | | 1993 | 1950 | 1963 | MAR 1960 |
| | MAXIMUM SNOW DEPTH (IN) | 34 | 8 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 10 |
| | YEAR OF OCCURRENCE | | 1995 | 1969 | 1980 | 1987 | | | | | | | 1966 | 1963 | DEC 1963 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 1.4 | 1.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.6 | |

PRECIPITATION (inches) 2010 OAK RIDGE (KOQT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|-------|------|-------|-------|-------|-------|------|------|------|-------|-------|--------|
| 1981 | 0.93 | 4.69 | 3.59 | 4.58 | 2.65 | 4.50 | 2.42 | 3.11 | 3.90 | 4.89 | 3.20 | 4.12 | 42.58 |
| 1982 | 6.70 | 5.42 | 6.20 | 2.79 | 2.88 | 2.15 | 7.01 | 4.61 | 5.31 | 1.95 | 7.81 | 7.22 | 60.05 |
| 1983 | 1.75 | 4.38 | 2.57 | 6.40 | 6.90 | 2.53 | 2.41 | 1.28 | 2.07 | 4.58 | 5.85 | 6.95 | 47.67 |
| 1984 | 2.62 | 3.92 | 4.81 | 4.16 | 10.70 | 4.70 | 8.72 | 1.87 | 1.87 | 6.19 | 4.37 | 2.59 | 56.52 |
| 1985 | 2.88 | 3.73 | 2.60 | 2.23 | 3.83 | 5.08 | 6.43 | 8.50 | 1.56 | 3.08 | 4.49 | 2.11 | 46.52 |
| 1986 | 1.16 | 5.15 | 2.70 | 1.73 | 2.74 | 1.45 | 2.84 | 2.84 | 4.70 | 4.51 | 3.67 | 5.34 | 38.83 |
| 1987 | 4.87 | 5.64 | 2.82 | 2.97 | 2.02 | 4.26 | 3.94 | 1.92 | 5.64 | 0.69 | 2.11 | 3.43 | 40.31 |
| 1988 | 5.44 | 3.43 | 3.80 | 3.42 | 2.65 | 0.53 | 7.60 | 2.39 | 5.63 | 1.97 | 6.56 | 5.53 | 48.95 |
| 1989 | 6.94 | 5.07 | 6.03 | 2.76 | 6.14 | 11.14 | 3.62 | 3.90 | 8.86 | 2.46 | 6.06 | 3.03 | 66.01 |
| 1990 | 5.29 | 8.01 | 5.09 | 2.57 | 6.59 | 1.53 | 5.06 | 5.09 | 1.44 | 4.07 | 2.40 | 12.64 | 59.78 |
| 1991 | 2.97 | 7.94 | 7.44 | 3.84 | 2.55 | 7.05 | 4.06 | 4.62 | 2.86 | 1.76 | 4.15 | 10.92 | 60.16 |
| 1992 | 3.37 | 3.25 | 3.79 | 1.64 | 2.27 | 4.00 | 5.10 | 3.38 | 3.11 | 2.62 | 5.67 | 5.79 | 43.99 |
| 1993 | 3.98 | 4.13 | 6.42 | 3.70 | 4.29 | 1.60 | 1.99 | 3.25 | 5.12 | 2.15 | 4.09 | 8.29 | 49.01 |
| 1994 | 6.12 | 9.79 | 9.47 | 9.81 | 3.03 | 7.15 | 5.53 | 3.85 | 2.14 | 2.56 | 3.32 | 2.80 | 65.57 |
| 1995 | 6.30 | 3.76 | 3.85 | 2.49 | 6.12 | 3.02 | 1.23 | 2.25 | 3.90 | 4.64 | 7.48 | 3.67 | 48.71 |
| 1996 | 7.67 | 3.60 | 5.53 | 3.95 | 5.08 | 6.35 | 12.29 | 3.35 | 3.70 | 1.55 | 8.18 | 5.32 | 66.57 |
| 1997 | 5.76 | 4.56 | 6.12 | 3.99 | 6.31 | 5.85 | 6.37 | 4.02 | 3.38 | 3.39 | 2.83 | 3.88 | 56.46 |
| 1998 | 5.61 | 4.81 | 6.01 | 14.03 | 3.99 | 10.13 | 3.41 | 1.35 | 1.37 | 1.65 | 2.40 | 8.47 | 63.23 |
| 1999 | 8.60 | 3.87 | 4.91 | 3.68 | 4.42 | 6.21 | 8.03 | 1.74 | 1.27 | 2.09 | 2.71 | 1.57 | 49.10 |
| 2000 | 4.98 | 3.44 | 4.93 | 7.28 | 6.58 | 4.23 | 3.65 | 1.77 | 2.84 | 0.01 | 4.15 | 3.50 | 47.36 |
| 2001 | 3.95 | 7.62 | 2.46 | 2.16 | 3.67 | 3.38 | 7.55 | 3.04 | 4.79 | 0.88 | 1.85 | 4.97 | 46.32 |
| 2002 | 8.19 | 1.97 | 8.82 | 1.76 | 5.18 | 1.50 | 6.37 | 2.53 | 7.06 | 3.85 | 5.57 | 6.29 | 59.09 |
| 2003 | 2.17 | 12.78 | 2.85 | 8.03 | 10.01 | 6.05 | 5.29 | 3.86 | 4.68 | 1.58 | 5.89 | 3.72 | 66.91 |
| 2004 | 3.18 | 5.71 | 6.19 | 3.33 | 3.90 | 7.75 | 4.94 | 2.91 | 7.61 | 5.51 | 11.15 | 5.36 | 67.54 |
| 2005 | 4.94 | 4.05 | 2.96 | 6.28 | 3.19 | 4.01 | 7.60 | 1.40 | 1.86 | 1.81 | 4.11 | 2.90 | 45.11 |
| 2006 | 5.34 | 2.39 | 4.64 | 7.66 | 2.27 | 1.35 | 4.26 | 5.03 | 4.77 | 4.93 | 3.41 | 2.50 | 48.55 |
| 2007 | 2.93 | 1.31 | 3.29 | 5.31 | 2.72 | 1.59 | 4.19 | 0.71 | 2.47 | 2.78 | 5.07 | 3.50 | 35.87 |
| 2008 | 4.49 | 5.25 | 5.01 | 3.61 | 3.05 | 1.74 | 4.90 | 3.08 | 1.27 | 2.01 | 3.96 | 8.07 | 46.44 |
| 2009 | 5.82 | 3.51 | 4.38 | 3.81 | 5.81 | 5.47 | 5.43 | 4.57 | 5.48 | 5.73 | 2.62 | 8.14 | 60.77 |
| 2010 | 7.85 | 3.62 | 3.57 | 2.94 | 6.08 | | 5.95 | 2.80 | 5.10 | 3.83 | 7.45 | 2.19 | |
| POR= 44 YRS | 4.96 | 4.43 | 5.28 | 4.41 | 4.80 | 4.33 | 5.44 | 3.36 | 3.91 | 3.12 | 4.73 | 5.34 | 54.11 |

WBAN : 53868

AVERAGE TEMPERATURE (°F) 2010 OAK RIDGE (KOQT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1981 | 32.3 | 39.9 | 44.1 | 61.2 | 62.3 | 75.4 | 77.8 | 74.1 | 66.8 | 55.0 | 46.0 | 34.3 | 55.8 |
| 1982 | 31.6 | 41.2 | 50.7 | 52.6 | 69.3 | 71.6 | 77.5 | 73.8 | 66.8 | 57.6 | 47.4 | 43.0 | 56.9 |
| 1983 | 35.4 | 38.6 | 47.7 | 51.2 | 63.8 | 71.5 | 77.9 | 79.2 | 69.4 | 59.4 | 45.7 | 34.4 | 56.2 |
| 1984 | 33.2 | 41.3 | 44.9 | 54.7 | 60.7 | 74.0 | 73.5 | 75.1 | 66.5 | 65.5 | 43.1 | 45.8 | 56.5 |
| 1985 | 28.0 | 35.3 | 47.8 | 57.3 | 64.2 | 71.0 | 74.8 | 73.1 | 67.0 | 61.9 | 54.5 | 30.9 | 55.5 |
| 1986 | 35.2 | 43.2 | 48.4 | 58.3 | 66.7 | 75.7 | 80.3 | 75.6 | 72.1 | 59.9 | 51.1 | 37.7 | 58.7 |
| 1987 | 36.0 | 40.8 | 48.3 | 56.7 | 71.6 | 75.0 | 78.1 | 78.1 | 69.7 | 53.4 | 50.0 | 42.8 | 58.4 |
| 1988 | 32.9 | 38.5 | 49.5 | 58.3 | 66.5 | 74.1 | 77.6 | 78.7 | 70.9 | 51.8 | 48.2 | 38.9 | 57.2 |
| 1989 | 42.3 | 40.0 | 52.8 | 57.9 | 62.2 | 73.2 | 77.1 | 75.8 | 70.8 | 58.8 | 46.8 | 30.5 | 57.4 |
| 1990 | 42.8 | 37.7 | 52.8 | 56.2 | 64.6 | 75.0 | 77.6 | 77.6 | 71.8 | 59.1 | 50.4 | 43.1 | 59.1 |
| 1991 | 40.0 | 42.6 | 51.3 | 62.8 | 72.2 | 74.9 | 79.1 | 76.8 | 71.4 | 60.7 | 45.5 | 42.1 | 60.0 |
| 1992 | 39.3 | 44.8 | 47.5 | 58.5 | 63.7 | 71.5 | 77.4 | 73.3 | 70.9 | 57.4 | 47.0 | 38.9 | 57.5 |
| 1993 | 42.2 | 38.7 | 45.6 | 55.2 | 67.4 | 74.7 | 82.1 | 78.7 | 71.7 | 60.1 | 46.2 | 39.6 | 58.5 |
| 1994 | 31.6 | 42.5 | 47.6 | 59.7 | 61.7 | 74.9 | 76.4 | 75.0 | 67.2 | 59.9 | 52.2 | 44.4 | 57.8 |
| 1995 | 38.2 | 39.4 | 52.4 | 59.8 | 67.3 | 74.3 | 80.2 | 82.1 | 70.9 | 59.6 | 43.6 | 37.6 | 58.8 |
| 1996 | 36.2 | 38.4 | 44.9 | 55.1 | 70.2 | 75.3 | 76.3 | 76.9 | 69.3 | 60.2 | 44.8 | 42.2 | 57.5 |
| 1997 | 39.4 | 46.7 | 54.8 | 54.8 | 62.5 | 73.1 | 79.5 | 76.1 | 72.0 | 59.3 | 44.3 | 39.2 | 58.5 |
| 1998 | 43.2 | 45.8 | 49.4 | 57.6 | 71.4 | 76.4 | 80.4 | 79.2 | 76.6 | 62.8 | 50.8 | 44.9 | 61.5 |
| 1999 | 42.9 | 44.4 | 45.8 | 62.0 | 67.3 | 75.1 | 79.7 | 77.9 | 70.2 | 59.1 | 52.7 | 42.9 | 60.0 |
| 2000 | 37.4 | 46.0 | 53.6 | 56.4 | 70.2 | 75.3 | 78.2 | 77.4 | 70.5 | 61.4 | 46.9 | 33.5 | 58.9 |
| 2001 | 35.6 | 45.0 | 46.5 | 61.7 | 67.7 | 72.6 | 77.6 | 77.4 | 67.9 | 56.1 | 53.6 | 45.1 | 58.9 |
| 2002 | 41.0 | 40.8 | 49.8 | 61.8 | 64.9 | 76.3 | 80.1 | 79.4 | 74.1 | 62.3 | 46.3 | 40.1 | 59.7 |
| 2003 | 33.5 | 40.2 | 53.3 | 61.0 | 67.8 | 72.0 | 76.9 | 78.3 | 69.4 | 59.3 | 53.6 | 39.0 | 58.7 |
| 2004 | 37.5 | 40.6 | 53.9 | 58.7 | 71.4 | 75.1 | 77.3 | 74.2 | 71.2 | 64.2 | 53.5 | 39.5 | 59.8 |
| 2005 | 42.3 | 44.3 | 48.2 | 58.3 | 64.0 | 75.2 | 78.4 | 79.4 | 74.0 | 60.9 | 50.4 | 37.5 | 59.4 |
| 2006 | 45.0 | 40.4 | 50.4 | 63.4 | 65.5 | 74.5 | 79.0 | 80.0 | 67.5 | 56.6 | 48.8 | 43.7 | 59.6 |
| 2007 | 41.0 | 37.7 | 57.0 | 56.1 | 69.7 | 76.0 | 77.1 | 83.7 | 74.4 | 64.2 | 48.9 | 45.3 | 60.9 |
| 2008 | 37.2 | 43.1 | 49.1 | 59.4 | 65.9 | 76.6 | 77.5 | 76.8 | 73.2 | 58.7 | 45.4 | 41.5 | 58.7 |
| 2009 | 36.2 | 42.9 | 51.1 | 58.4 | 67.5 | 76.7 | 75.1 | 76.4 | 71.8 | 57.6 | 50.9 | 38.7 | 58.6 |
| 2010 | 34.1 | 34.8 | 47.7 | 62.0 | 70.4 | 79.2 | 81.0 | 80.8 | 72.5 | 59.7 | 50.2 | 33.1 | 58.8 |
| POR= 41 YRS | 36.5 | 39.8 | 49.0 | 58.2 | 66.0 | 73.8 | 77.3 | 76.7 | 70.1 | 58.7 | 48.1 | 39.6 | 57.8 |

HEATING DEGREE DAYS (base 65°F) 2010 OAK RIDGE (KOQT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| 1981-82 | 0 | 0 | 68 | 307 | 562 | 944 | 1030 | 662 | 450 | 367 | 29 | 0 | 4419 |
| 1982-83 | 0 | 0 | 62 | 263 | 522 | 678 | 910 | 734 | 529 | 413 | 78 | 11 | 4200 |
| 1983-84 | 0 | 0 | 57 | 181 | 572 | 942 | 977 | 682 | 616 | 304 | 173 | 5 | 4509 |
| 1984-85 | 0 | 0 | 58 | 47 | 648 | 588 | 1140 | 824 | 525 | 239 | 84 | 20 | 4173 |
| 1985-86 | 0 | 0 | 61 | 123 | 311 | 1049 | 917 | 603 | 508 | 214 | 62 | 0 | 3848 |
| 1986-87 | 0 | 3 | 0 | 199 | 417 | 841 | 892 | 673 | 515 | 282 | 11 | 0 | 3833 |
| 1987-88 | 0 | 0 | 9 | 353 | 445 | 682 | 988 | 764 | 477 | 217 | 45 | 11 | 3991 |
| 1988-89 | 0 | 0 | 6 | 413 | 498 | 805 | 697 | 695 | 379 | 260 | 154 | 0 | 3907 |
| 1989-90 | 0 | 1 | 40 | 220 | 539 | 1066 | 682 | 481 | 384 | 282 | 83 | 0 | 3778 |
| 1990-91 | 0 | 0 | 26 | 200 | 436 | 675 | 770 | 624 | 426 | 96 | 14 | 0 | 3267 |
| 1991-92 | 0 | 0 | 48 | 167 | 580 | 705 | 794 | 583 | 538 | 236 | 121 | 7 | 3779 |
| 1992-93 | 0 | 0 | 14 | 230 | 536 | 803 | 701 | 729 | 595 | 292 | 37 | 3 | 3940 |
| 1993-94 | 0 | 0 | 26 | 182 | 559 | 781 | 1030 | 624 | 535 | 193 | 134 | 0 | 4064 |
| 1994-95 | 0 | 0 | 27 | 162 | 374 | 629 | 824 | 710 | 385 | 182 | 62 | 2 | 3357 |
| 1995-96 | 0 | 0 | 22 | 197 | 639 | 841 | 884 | 765 | 617 | 301 | 42 | 3 | 4311 |
| 1996-97 | 0 | 0 | 21 | 168 | 604 | 699 | 786 | 506 | 316 | 309 | 112 | 9 | 3530 |
| 1997-98 | 0 | 0 | 1 | 226 | 615 | 792 | 668 | 532 | 499 | 222 | 24 | 10 | 3589 |
| 1998-99 | 0 | 0 | 1 | 108 | 418 | 616 | 675 | 571 | 585 | 132 | 15 | 0 | 3121 |
| 1999-00 | 0 | 0 | 28 | 191 | 358 | 678 | 848 | 545 | 352 | 254 | 10 | 5 | 3269 |
| 2000-01 | 0 | 0 | 31 | 148 | 537 | 971 | 905 | 554 | 568 | 151 | 31 | 6 | 3902 |
| 2001-02 | 0 | 0 | 60 | 275 | 340 | 613 | 736 | 671 | 464 | 169 | 105 | 0 | 3433 |
| 2002-03 | 0 | 0 | 3 | 138 | 557 | 765 | 965 | 690 | 353 | 138 | 8 | 5 | 3622 |
| 2003-04 | 0 | 0 | 30 | 190 | 344 | 798 | 847 | 703 | 346 | 218 | 40 | 0 | 3516 |
| 2004-05 | 0 | 1 | 2 | 68 | 352 | 781 | 693 | 574 | 513 | 212 | 92 | 0 | 3288 |
| 2005-06 | 0 | 0 | 0 | 191 | 435 | 845 | 614 | 683 | 454 | 107 | 82 | 0 | 3411 |
| 2006-07 | 0 | 0 | 36 | 278 | 481 | 652 | 739 | 756 | 280 | 286 | 22 | 0 | 3530 |
| 2007-08 | 0 | 0 | 1 | 113 | 475 | 603 | 855 | 628 | 486 | 187 | 54 | 0 | 3402 |
| 2008-09 | 0 | 0 | 0 | 235 | 583 | 721 | 888 | 614 | 424 | 229 | 34 | 0 | 3728 |
| 2009-10 | 0 | 0 | 14 | 232 | 418 | 806 | 948 | 839 | 533 | 128 | 25 | 0 | 3943 |
| 2010- | 0 | 0 | 4 | 165 | 437 | 981 | | | | | | | |

WBAN : 53868

COOLING DEGREE DAYS (base 65°F) 2010 OAK RIDGE (KOQT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1981 | 0 | 0 | 0 | 39 | 40 | 319 | 404 | 286 | 126 | 3 | 0 | 0 | 1217 |
| 1982 | 0 | 0 | 15 | 2 | 167 | 207 | 392 | 279 | 120 | 44 | 0 | 3 | 1229 |
| 1983 | 0 | 0 | 0 | 5 | 47 | 211 | 405 | 445 | 196 | 12 | 0 | 0 | 1321 |
| 1984 | 0 | 0 | 0 | 3 | 47 | 283 | 275 | 318 | 106 | 69 | 0 | 0 | 1101 |
| 1985 | 0 | 0 | 2 | 16 | 63 | 207 | 313 | 258 | 125 | 31 | 3 | 0 | 1018 |
| 1986 | 0 | 0 | 0 | 22 | 121 | 329 | 477 | 337 | 219 | 47 | 5 | 0 | 1557 |
| 1987 | 0 | 0 | 0 | 36 | 222 | 306 | 412 | 409 | 152 | 0 | 0 | 0 | 1537 |
| 1988 | 0 | 0 | 1 | 23 | 94 | 291 | 400 | 429 | 187 | 9 | 0 | 0 | 1434 |
| 1989 | 0 | 1 | 3 | 51 | 72 | 249 | 379 | 341 | 219 | 31 | 0 | 0 | 1346 |
| 1990 | 0 | 0 | 11 | 25 | 78 | 305 | 393 | 397 | 235 | 26 | 3 | 0 | 1473 |
| 1991 | 0 | 0 | 5 | 36 | 242 | 300 | 441 | 370 | 245 | 39 | 0 | 0 | 1678 |
| 1992 | 0 | 0 | 0 | 43 | 86 | 204 | 387 | 261 | 198 | 1 | 0 | 0 | 1180 |
| 1993 | 0 | 0 | 0 | 3 | 115 | 298 | 532 | 429 | 234 | 36 | 0 | 0 | 1647 |
| 1994 | 0 | 0 | 0 | 39 | 39 | 304 | 359 | 318 | 101 | 9 | 0 | 0 | 1169 |
| 1995 | 0 | 0 | 4 | 35 | 140 | 286 | 478 | 541 | 206 | 34 | 2 | 0 | 1726 |
| 1996 | 0 | 0 | 0 | 12 | 208 | 320 | 359 | 378 | 159 | 26 | 3 | 0 | 1465 |
| 1997 | 0 | 0 | 5 | 9 | 41 | 262 | 458 | 350 | 219 | 56 | 0 | 0 | 1400 |
| 1998 | 0 | 0 | 21 | 9 | 229 | 360 | 485 | 448 | 355 | 48 | 0 | 1 | 1956 |
| 1999 | 0 | 0 | 0 | 49 | 94 | 310 | 464 | 405 | 190 | 15 | 0 | 0 | 1527 |
| 2000 | 0 | 0 | 3 | 2 | 177 | 320 | 415 | 390 | 200 | 42 | 2 | 0 | 1551 |
| 2001 | 0 | 0 | 0 | 60 | 123 | 243 | 397 | 389 | 152 | 8 | 1 | 0 | 1373 |
| 2002 | 0 | 0 | 1 | 78 | 108 | 345 | 463 | 454 | 282 | 63 | 4 | 0 | 1798 |
| 2003 | 0 | 0 | 0 | 24 | 104 | 221 | 376 | 420 | 168 | 21 | 9 | 0 | 1343 |
| 2004 | 1 | 0 | 9 | 33 | 243 | 309 | 387 | 293 | 196 | 50 | 11 | 0 | 1532 |
| 2005 | 0 | 0 | 1 | 14 | 69 | 313 | 423 | 455 | 276 | 71 | 5 | 0 | 1627 |
| 2006 | 0 | 0 | 5 | 62 | 107 | 290 | 443 | 469 | 117 | 26 | 0 | 0 | 1519 |
| 2007 | 0 | 0 | 40 | 28 | 175 | 336 | 382 | 586 | 292 | 94 | 0 | 0 | 1933 |
| 2008 | 0 | 0 | 0 | 30 | 88 | 353 | 395 | 372 | 254 | 43 | 0 | 0 | 1535 |
| 2009 | 0 | 0 | 0 | 41 | 117 | 356 | 318 | 361 | 223 | 8 | 0 | 0 | 1424 |
| 2010 | 0 | 0 | 0 | 43 | 195 | 435 | 501 | 496 | 237 | 9 | 0 | 0 | 1916 |

SNOWFALL (inches) 2010 OAK RIDGE (KOQT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-------|
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.3 | 8.7 | T | T | 0.0 | 0.0 | 0.0 | 10.0 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.0 | 8.6 | 6.2 | 3.4 | T | 0.0 | 0.0 | 19.2 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.2 | 17.2 | 0.5 | 0.0 | 0.0 | 0.0 | 21.9 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 1.0 | 7.9 | 3.2 | T | 0.0 | 0.0 | 12.1 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 5.3 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 5.6 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.9 | 4.4 | 0.5 | 1.8 | T | 0.0 | 0.0 | 7.6 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 1.4 | 4.8 | T | 0.2 | 0.0 | 0.0 | 9.2 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.3 | 4.6 | 5.1 | 0.2 | 0.0 | 0.0 | 0.0 | 10.2 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 9.4 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 2.5 | 5.0 | T | 0.0 | 0.0 | 0.0 | 7.5 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.7 | T | T | 5.9 | 0.0 | 0.0 | 10.6 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 6.9 | 0.1 | T | 0.0 | 0.0 | 0.0 | 7.0 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.2 | T | 4.1 | 0.0 | T | 0.0 | 0.0 | 8.3 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | T | 9.5 | T | T | T | 0.0 | T | 0.0 | 9.5 |
| 1990-91 | 0.0 | T | 0.0 | 0.0 | 0.0 | T | T | T | T | 0.0 | 0.0 | 0.0 | T |
| 1991-92 | T | 0.0 | 0.0 | 0.0 | T | T | T | 0.0 | 1.0 | T | 0.0 | 0.0 | 1.0 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 2.8 | 12.0 | T | T | 0.0 | 15.4 |
| 1993-94 | T | 0.0 | 0.0 | T | 0.0 | 0.5 | 0.9 | 0.1 | T | 0.0 | | 0.0 | |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.4 | 2.2 | 0.0 | 0.0 | 0.0 | 6.4 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 9.0 | 12.0 | 0.8 | T | 0.0 | 0.0 | 21.8 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | T | 3.2 | T | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | T | 2.8 | T | T | 0.0 | T | 8.3 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.1 | 1.5 | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003-04 | | | | | | | | | | | | | |
| 2004-05 | | | | | | | | | | | | | |
| 2005- | | | | | | | | | | | | | |
| POR= 11 YRS | T | T | 0.0 | T | 0.1 | 1.1 | 2.8 | 2.8 | 1.1 | 0.3 | T | T | 8.2 |

WBAN : 53868

REFERENCE NOTES :

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| <p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD. CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</p> | <p>GENERAL CONTINUED: WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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2010 OAK RIDGE TENNESSEE (KOQT)

Oak Ridge is located in a broad valley between the Cumberland Mountains, which lie to the northwest of the area, and the Great Smoky Mountains, to the southeast. These mountain ranges are oriented northeast-southwest and the valley between is corrugated by broken ridges 300 to 500 feet high and oriented parallel to the main valley. During periods of light winds, daytime winds are usually southwesterly, nighttime winds northeasterly. Wind velocities are somewhat decreased by the ridges. Tornadoes rarely occur in the valley between the Cumberlands and the Great Smokies. In winter the Cumberland Mountains have a moderating influence on the local climate by retarding the flow of cold air from the north and west.

Temperatures of 100 degrees or more have occurred during less than one-half of the years of the period of record, and temperatures of zero or below are rare. Summer nights are seldom oppressively hot and humid.

Precipitation is more than adequate for agriculture and is normally well distributed through the year for agricultural purposes.

Occasionally there is sufficient dry weather in late summer or early fall to cause small damage to crops and pastures and to create conditions favorable for destructive forest fires. Winter and early spring are the seasons of heaviest precipitation. A few of the larger monthly precipitation amounts recorded have occurred in the normally drier fall months.

Light snow usually occurs in all of the months from November through March, but the total monthly snowfall is often only a trace. Snowfalls sufficiently heavy to interfere with traffic and outdoor activities occur infrequently.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 27 and the average last occurrence in the spring is April 11.

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