

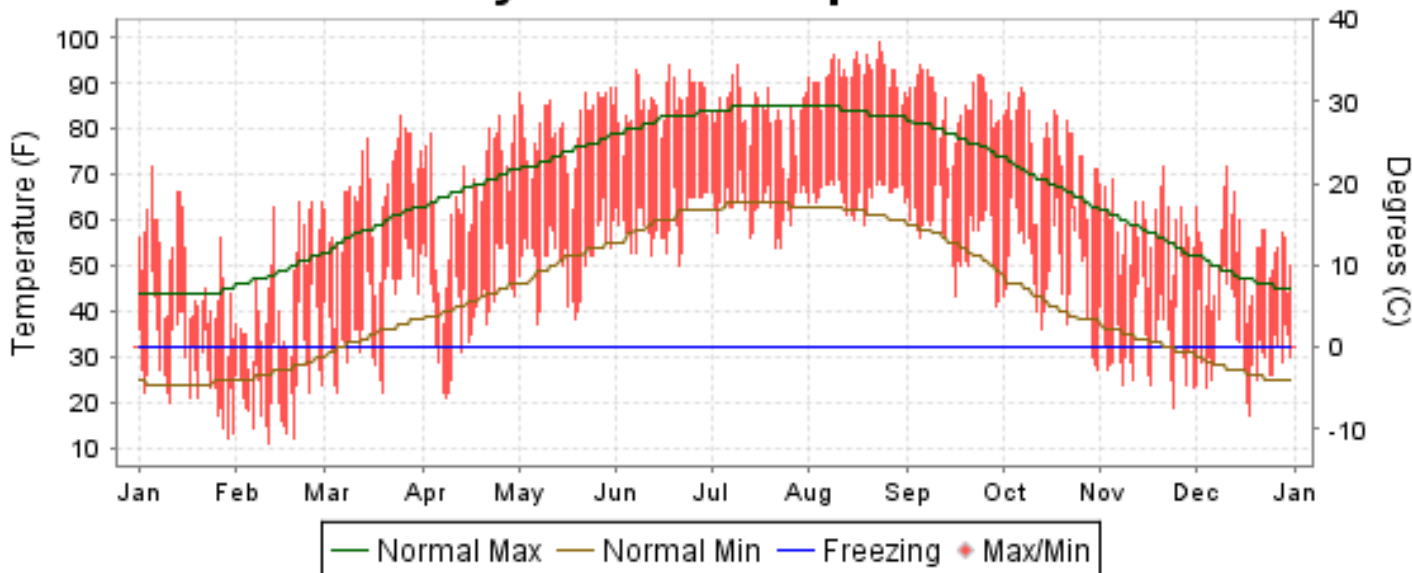


2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

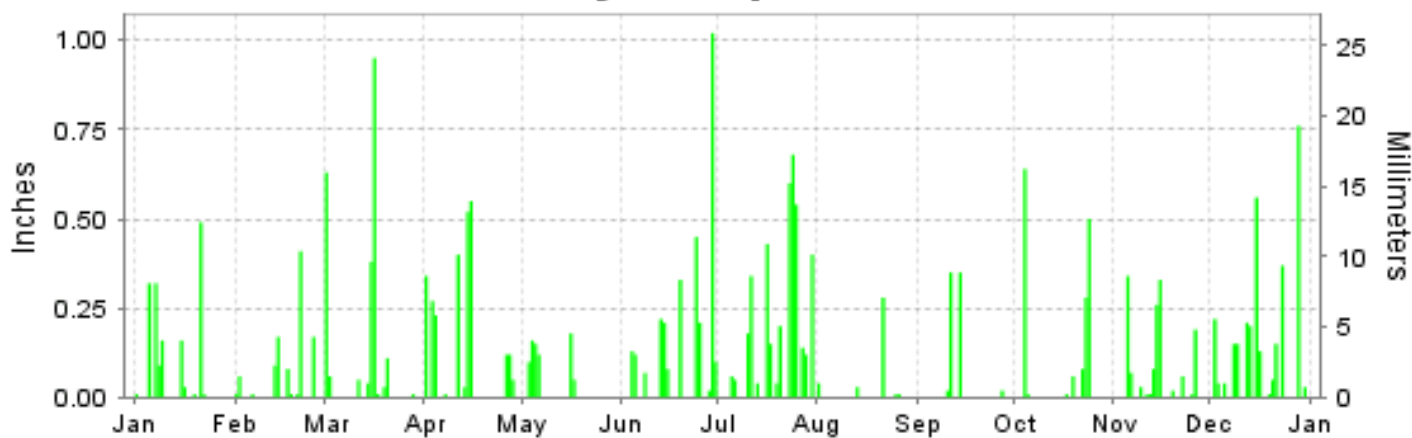
BRISTOL/JHNSN CTY/KNGSPRT, TENNESSEE (KTRI)

ISSN 0198-4764

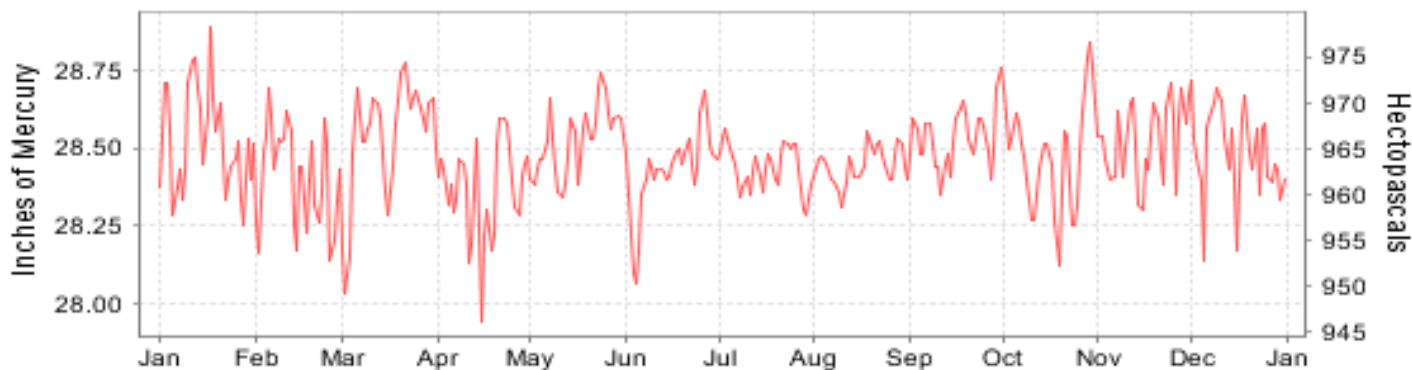
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

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 2007

BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

LATITUDE: 36 ° 28'N LONGITUDE: -82 ° 23'W ELEVATION (FT): GRND: 1500 BARO: 1539 TIME ZONE: EASTERN (UTC -5) WBAN: 13877

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 48.9 | 44.9 | 65.7 | 66.3 | 80.8 | 86.4 | 83.7 | 92.4 | 85.8 | 76.3 | 58.3 | 52.8 | 70.2 | |
| | HIGHEST DAILY MAXIMUM | 72 | 64 | 83 | 83 | 89 | 94 | 94 | 99 | 94 | 89 | 72 | 72 | 99 | |
| | DATE OF OCCURRENCE | 05 | 28+ | 25 | 30+ | 30 | 18 | 09 | 23 | 05 | 07 | 21 | 11 | AUG 23 | |
| | MEAN DAILY MINIMUM | 27.6 | 23.5 | 39.3 | 40.7 | 51.2 | 59.4 | 62.6 | 65.5 | 56.7 | 48.7 | 32.9 | 32.4 | 45.0 | |
| | LOWEST DAILY MINIMUM | 12 | 11 | 22 | 21 | 37 | 50 | 54 | 59 | 41 | 27 | 19 | 17 | 11 | |
| | DATE OF OCCURRENCE | 29 | 11 | 19+ | 08 | 07 | 21 | 23+ | 18 | 29 | 31 | 24 | 18 | FEB 11 | |
| | AVERAGE DRY BULB | 38.3 | 34.2 | 52.5 | 53.5 | 66.0 | 72.9 | 73.2 | 79.0 | 71.3 | 62.5 | 45.6 | 42.6 | 57.6 | |
| | MEAN WET BULB | 34.2 | 29.0 | 45.7 | 46.7 | 57.3 | 63.9 | 66.2 | 69.7 | 62.0 | 55.0 | 40.2 | 39.2 | 50.8 | |
| | MEAN DEW POINT | 27.6 | 18.8 | 37.7 | 38.9 | 50.7 | 59.3 | 62.7 | 65.4 | 56.1 | 49.1 | 33.8 | 34.5 | 44.6 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 10 | 2 | 26 | 10 | 0 | 0 | 0 | 0 | 48 |
| | MAXIMUM <= 32° | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| MINIMUM <= 32° | 22 | 23 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 18 | 99 | | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 819 | 857 | 387 | 345 | 58 | 0 | 0 | 0 | 16 | 143 | 572 | 686 | 3883 | |
| | COOLING DEGREE DAYS | 0 | 0 | 7 | 6 | 98 | 245 | 260 | 440 | 208 | 73 | 0 | 0 | 1337 | |
| RH | MEAN (PERCENT) | 68 | 57 | 62 | 62 | 63 | 69 | 75 | 69 | 65 | 67 | 68 | 76 | 67 | |
| | HOUR 01 LST | 75 | 65 | 76 | 76 | 84 | 89 | 90 | 90 | 86 | 82 | 78 | 84 | 81 | |
| | HOUR 07 LST | 79 | 73 | 78 | 72 | 73 | 81 | 83 | 83 | 80 | 83 | 83 | 84 | 79 | |
| | HOUR 13 LST | 53 | 43 | 43 | 43 | 39 | 41 | 56 | 44 | 39 | 43 | 47 | 62 | 46 | |
| | HOUR 19 LST | 67 | 53 | 58 | 56 | 59 | 67 | 71 | 65 | 60 | 64 | 67 | 77 | 64 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 2 | 0 | 2 | 0 | 2 | 3 | 6 | 2 | 1 | 1 | 4 | 6 | 29 | |
| | THUNDERSTORMS | 0 | 1 | 0 | 1 | 4 | 9 | 9 | 8 | 0 | 1 | 1 | 0 | 34 | |
| 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.) | 28.52 | 28.41 | 28.57 | 28.37 | 28.52 | 28.46 | 28.43 | 28.45 | 28.53 | 28.48 | 28.51 | 28.50 | 28.48 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.16 | 30.06 | 30.19 | 29.97 | 30.11 | 30.04 | 30.01 | 30.01 | 30.12 | 30.08 | 30.15 | 30.13 | 30.09 | |
| WINDS | RESULTANT SPEED (MPH) | 4.0 | 3.9 | 3.0 | 4.7 | 0.1 | 1.4 | 1.3 | 0.2 | 0.2 | 0.8 | 2.6 | 2.0 | 1.9 | |
| | RES. DIR. (TENS OF DEGS.) | 23 | 24 | 24 | 25 | 28 | 25 | 24 | 04 | 24 | 22 | 27 | 25 | 25 | |
| | MEAN SPEED (MPH) | 6.1 | 6.2 | 5.4 | 6.7 | 2.8 | 3.1 | 2.8 | 3.5 | 2.4 | 3.2 | 3.6 | 3.5 | 4.1 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 22 | 24 | 24 | 24 | 08 | 23 | 24 | 08 | 09 | 17 | 26 | 25 | 08 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 30 | 29 | 37 | 32 | 25 | 28 | 32 | 36 | 24 | 24 | 25 | 37 | 37 | |
| | DIR. (TENS OF DEGS.) | 23 | 29 | 24 | 26 | 29 | 20 | 26 | 29 | 24 | 24 | 23 | 24 | 24 | |
| | DATE OF OCCURRENCE | 30 | 22 | 03 | 16 | 16 | 25 | 10 | 21 | 11 | 19 | 05 | 23 | DEC 23 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 38 | 38 | 47 | 45 | 38 | 41 | 41 | 48 | 29 | 36 | 31 | 45 | 48 | | |
| DIR. (TENS OF DEGS.) | 21 | 30 | 23 | 29 | 28 | 20 | 27 | 29 | 23 | 28 | 27 | 23 | 29 | | |
| DATE OF OCCURRENCE | 05 | 22 | 03 | 03 | 16 | 19 | 10 | 21 | 11 | 11 | 06 | 23 | AUG 21 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.60 | 1.02 | 2.27 | 2.64 | 0.76 | 2.96 | 3.97 | 0.37 | 0.74 | 1.58 | 1.41 | 3.07 | 22.39 | |
| | GREATEST 24-HOUR (IN.) | 0.50 | 0.42 | 1.33 | 0.92 | 0.27 | 1.12 | 1.10 | 0.28 | 0.37 | 0.73 | 0.59 | 0.76 | 1.33 | |
| | DATE OF OCCURRENCE | 21-22 | 20-21 | 15-16 | 14-15 | 05-06 | 29-30 | 23-24 | 21 | 10-11 | 23-24 | 14-15 | 28 | MAR 15-16 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 10 | 10 | 10 | 11 | 6 | 12 | 15 | 5 | 4 | 7 | 12 | 15 | 117 | |
| PRECIPITATION 0.10 | 5 | 3 | 4 | 8 | 5 | 9 | 11 | 1 | 2 | 3 | 4 | 10 | 65 | | |
| PRECIPITATION 1.00 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.5 | 2.0 | 0.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 4.4 | |
| | GREATEST 24-HOUR (IN.) | 1.3 | 1.7 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 1.7 | |
| | DATE OF OCCURRENCE | 09 | 17 | 17 | 07 | | | | | | | 15 | 16 | FEB 17 | |
| | MAXIMUM SNOW DEPTH (IN.) | T | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| | DATE OF OCCURRENCE | 18 | 18 | | | | | | | | | | | FEB 18 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | |

NORMALS, MEANS, AND EXTREMES

BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

LATITUDE: 36° 28'N LONGITUDE: -82° 23'W ELEVATION (FT): GRND: 1500 BARO: 1539 TIME ZONE: EASTERN (UTC -5) WBAN: 13877

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|-----------------------|--|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 44.1 | 48.9 | 58.4 | 67.1 | 74.9 | 81.8 | 84.8 | 83.9 | 78.5 | 68.2 | 57.4 | 47.8 | 66.3 | |
| | MEAN DAILY MAXIMUM | 60 | 45.3 | 49.5 | 58.3 | 68.0 | 76.1 | 82.8 | 85.5 | 85.0 | 79.6 | 69.5 | 57.9 | 48.2 | 67.1 | |
| | HIGHEST DAILY MAXIMUM | 62 | 79 | 80 | 85 | 89 | 92 | 97 | 102 | 101 | 100 | 90 | 81 | 78 | 102 | |
| | YEAR OF OCCURRENCE | | 1950 | 1977 | 1954 | 1995 | 1969 | 1952 | 1952 | 1988 | 1954 | 1954 | 2003 | 1951 | JUL 1952 | |
| | MEAN OF EXTREME MAXS. | 60 | 66.2 | 68.9 | 77.0 | 83.8 | 86.5 | 90.8 | 92.4 | 92.1 | 89.5 | 82.1 | 75.0 | 67.4 | 81.0 | |
| | NORMAL DAILY MINIMUM | 30 | 24.3 | 27.0 | 34.6 | 42.0 | 51.0 | 59.5 | 63.5 | 61.7 | 54.7 | 41.8 | 33.6 | 26.8 | 43.4 | |
| | MEAN DAILY MINIMUM | 60 | 26.0 | 28.4 | 35.0 | 43.5 | 52.2 | 60.3 | 64.5 | 63.2 | 56.3 | 44.6 | 35.1 | 28.3 | 44.8 | |
| | LOWEST DAILY MINIMUM | 62 | -21 | -15 | -2 | 21 | 30 | 38 | 45 | 43 | 34 | 20 | 5 | -9 | -21 | |
| | YEAR OF OCCURRENCE | | 1985 | 1996 | 1980 | 2007 | 1997 | 1966 | 1947 | 1986 | 1983 | 1962 | 1950 | 1962 | JAN 1985 | |
| | MEAN OF EXTREME MINS. | 60 | 5.6 | 9.8 | 18.4 | 27.6 | 37.5 | 48.1 | 55.4 | 53.7 | 42.4 | 29.2 | 19.4 | 10.2 | 29.8 | |
| | NORMAL DRY BULB | 30 | 34.2 | 38.0 | 46.5 | 54.6 | 63.0 | 70.7 | 74.2 | 72.8 | 66.6 | 55.0 | 45.5 | 37.3 | 54.9 | |
| | MEAN DRY BULB | 60 | 35.7 | 38.9 | 46.7 | 55.7 | 64.2 | 71.6 | 75.0 | 74.1 | 68.0 | 57.0 | 46.5 | 38.3 | 56.0 | |
| | MEAN WET BULB | 24 | 32.2 | 34.5 | 40.9 | 48.5 | 57.2 | 64.7 | 68.3 | 67.2 | 60.9 | 50.7 | 41.7 | 34.4 | 50.1 | |
| | MEAN DEW POINT | 24 | 27.6 | 29.6 | 35.1 | 43.0 | 53.5 | 61.9 | 65.9 | 64.8 | 58.0 | 46.9 | 37.1 | 30.1 | 46.1 | |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 5.9 | 4.2 | 1.4 | 0.0 | 0.0 | 0.0 | 13.4 | |
| | MAXIMUM <= 32 | 30 | 4.7 | 2.9 | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.4 | 10.5 | |
| | MINIMUM <= 32 | 30 | 22.4 | 18.9 | 12.5 | 4.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 13.0 | 20.3 | 94.4 | |
| | MINIMUM <= 0 | 30 | 0.6 | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.1 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 939 | 745 | 561 | 306 | 110 | 11 | 3 | 2 | 52 | 303 | 570 | 843 | 4445 | |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 1 | 10 | 61 | 198 | 304 | 260 | 116 | 6 | 0 | 0 | 956 | |
| RH | NORMAL (PERCENT) | 30 | 73 | 70 | 65 | 64 | 72 | 75 | 77 | 78 | 77 | 73 | 71 | 74 | 72 | |
| | HOURLY 01 LST | 30 | 78 | 76 | 73 | 73 | 84 | 88 | 90 | 91 | 90 | 86 | 80 | 79 | 82 | |
| | HOURLY 07 LST | 30 | 82 | 81 | 81 | 82 | 89 | 90 | 92 | 94 | 94 | 91 | 85 | 83 | 87 | |
| | HOURLY 13 LST | 30 | 63 | 59 | 53 | 50 | 55 | 58 | 61 | 60 | 58 | 53 | 56 | 62 | 57 | |
| | HOURLY 19 LST | 30 | 67 | 62 | 56 | 52 | 61 | 64 | 67 | 69 | 70 | 66 | 65 | 68 | 64 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG (VISBY <= 1/4 MI) | 44 | 3.2 | 2.3 | 1.7 | 1.9 | 4.0 | 4.3 | 5.4 | 7.1 | 5.9 | 6.0 | 2.9 | 3.3 | 48.0 | |
| | THUNDERSTORMS | 60 | 0.3 | 0.8 | 1.9 | 3.6 | 6.7 | 8.1 | 9.2 | 7.2 | 2.9 | 0.8 | 0.5 | 0.3 | 42.3 | |
| CLOUDNESS | MEAN: SUNRISE-SUNSET (OKTAS) | | | | | | 4.8 | 4.0 | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | 4.0 | | | | | | | | |
| | MEAN NO. DAYS WITH: CLEAR | 1 | 2.0 | 2.0 | 3.0 | | 10.0 | 10.0 | | | | | | | | |
| | PARTLY CLOUDY | 1 | 1.0 | 2.0 | 2.0 | | 5.0 | 7.0 | | | | | | | | |
| | CLOUDY | 1 | 1.0 | 6.0 | 10.0 | | 6.0 | 5.0 | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 24 | 28.55 | 28.46 | 28.43 | 28.39 | 28.42 | 28.43 | 28.46 | 28.47 | 28.48 | 28.50 | 28.50 | 28.50 | 28.47 | |
| | MEAN SEA-LEVEL PRES. (IN) | 24 | 30.13 | 30.10 | 30.05 | 29.99 | 30.01 | 30.01 | 30.03 | 30.04 | 30.07 | 30.11 | 30.13 | 30.14 | 30.07 | |
| WINDS | MEAN SPEED (MPH) | 24 | 5.8 | 5.9 | 6.3 | 6.0 | 4.8 | 4.1 | 3.8 | 3.4 | 3.6 | 3.8 | 4.6 | 5.0 | 4.8 | |
| | PREVAIL. DIR (TENS OF DEGS) | 35 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 25 | 06 | 06 | 25 | 25 | 25 | |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 12 | 40 | 37 | 39 | 39 | 40 | 39 | 36 | 37 | 29 | 36 | 37 | 37 | 40 | |
| | DIR. (TENS OF DEGS) | | 24 | 24 | 26 | 25 | 25 | 31 | 01 | 25 | 28 | 27 | 27 | 24 | 25 | |
| | YEAR OF OCCURRENCE | | 1996 | 2000 | 1998 | 1996 | 2004 | 1998 | 1998 | 2002 | 2003 | 2001 | 2005 | 2007 | MAY 2004 | |
| | MAXIMUM 5-SECOND SPEED (MPH) | 12 | 51 | 45 | 47 | 54 | 62 | 52 | 52 | 54 | 39 | 48 | 47 | 48 | 62 | |
| | DIR. (TENS OF DEGS) | | 26 | 26 | 23 | 27 | 28 | 33 | 24 | 29 | 30 | 34 | 25 | 29 | 28 | |
| | YEAR OF OCCURRENCE | | 1996 | 2003 | 2007 | 1996 | 2000 | 1997 | 1997 | 2000 | 2003 | 1999 | 2000 | 2003 | MAY 2000 | |
| PRECIPITATION | NORMAL (IN) | 30 | 3.52 | 3.40 | 3.91 | 3.23 | 4.32 | 3.89 | 4.21 | 3.00 | 3.08 | 2.30 | 3.08 | 3.39 | 41.33 | |
| | MAXIMUM MONTHLY (IN) | 62 | 9.18 | 7.75 | 9.56 | 7.03 | 9.71 | 7.37 | 9.73 | 11.34 | 7.09 | 5.65 | 6.74 | 6.75 | 11.34 | |
| | YEAR OF OCCURRENCE | | 1957 | 1994 | 1955 | 1998 | 1950 | 1998 | 1949 | 2003 | 1972 | 1959 | 2003 | 1961 | AUG 2003 | |
| | MINIMUM MONTHLY (IN) | 62 | 1.37 | 0.75 | 1.31 | 0.21 | 0.76 | 0.75 | 0.67 | 0.37 | 0.50 | 0.02 | 0.50 | 0.21 | 0.02 | |
| | YEAR OF OCCURRENCE | | 1981 | 1968 | 1985 | 1976 | 2007 | 1986 | 1995 | 2007 | 1985 | 2000 | 2001 | 1965 | OCT 2000 | |
| | MAXIMUM IN 24 HOURS (IN) | 62 | 2.34 | 2.48 | 3.35 | 2.66 | 3.26 | 3.10 | 2.90 | 3.50 | 3.61 | 3.65 | 3.18 | 2.95 | 3.65 | |
| | YEAR OF OCCURRENCE | | 1950 | 1994 | 1973 | 1977 | 1984 | 1954 | 1946 | 2003 | 1972 | 1964 | 2003 | 1969 | OCT 1964 | |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 13.3 | 11.9 | 13.0 | 11.3 | 12.3 | 11.9 | 11.5 | 10.0 | 8.8 | 8.4 | 10.2 | 12.0 | 134.6 | |
| PRECIPITATION >= 1.00 | 30 | 0.5 | 0.6 | 0.6 | 0.3 | 0.9 | 0.7 | 0.9 | 0.8 | 0.7 | 0.5 | 0.5 | 0.5 | 7.5 | | |
| SNOWFALL | NORMAL (IN) | 30 | 5.5 | 4.1 | 1.9 | 0.9 | 0.* | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 2.2 | 15.0 | |
| | MAXIMUM MONTHLY (IN) | 63 | 22.1 | 20.4 | 27.9 | 14.8 | T | T | T | 0.0 | 0.0 | T | 1.3 | 18.1 | 12.9 | |
| | YEAR OF OCCURRENCE | | 1966 | 1979 | 1960 | 1987 | 1992 | 1995 | 1995 | | | 2006 | 1993 | 1952 | 1963 | MAR 1960 |
| | MAXIMUM IN 24 HOURS (IN) | 57 | 13.0 | 11.5 | 14.2 | 10.0 | T | T | 0.0 | 0.0 | T | 1.3 | 16.2 | 9.6 | 16.2 | |
| | YEAR OF OCCURRENCE | | 1996 | 1996 | 1993 | 1987 | 1992 | 1995 | | | 1994 | 1993 | 1952 | 1969 | NOV 1952 | |
| | MAXIMUM SNOW DEPTH (IN) | 51 | 13 | 10 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 20 | 20 | |
| | YEAR OF OCCURRENCE | | 1966 | 1969 | 1960 | 1987 | | | | | | 1993 | 1952 | 1948 | DEC 1948 | |
| | NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 1.9 | 1.0 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 4.6 | |

PRECIPITATION (inches) 2007 BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|
| 1978 | 4.22 | 0.89 | 3.18 | 2.44 | 4.50 | 5.67 | 4.78 | 3.71 | 3.04 | 0.58 | 2.64 | 4.89 | 40.54 |
| 1979 | 5.29 | 3.58 | 3.16 | 3.68 | 3.35 | 3.55 | 6.12 | 2.80 | 3.89 | 2.19 | 4.44 | 1.66 | 43.71 |
| 1980 | 3.91 | 1.39 | 5.68 | 3.56 | 2.69 | 1.10 | 3.82 | 2.54 | 3.01 | 2.09 | 2.10 | 1.38 | 33.27 |
| 1981 | 1.37 | 2.59 | 1.94 | 5.10 | 4.51 | 4.28 | 6.24 | 3.05 | 4.17 | 2.51 | 1.95 | 3.20 | 40.91 |
| 1982 | 4.07 | 5.07 | 3.35 | 2.30 | 2.55 | 5.52 | 9.14 | 4.70 | 5.53 | 2.54 | 4.12 | 2.89 | 51.78 |
| 1983 | 1.67 | 2.14 | 1.73 | 4.44 | 4.83 | 4.60 | 3.29 | 5.05 | 1.88 | 2.18 | 2.74 | 4.15 | 38.70 |
| 1984 | 1.79 | 4.50 | 2.73 | 2.85 | 7.42 | 3.86 | 4.63 | 1.23 | 1.43 | 1.14 | 2.61 | 1.76 | 35.95 |
| 1985 | 3.21 | 3.40 | 1.31 | 2.08 | 2.85 | 4.35 | 4.38 | 3.09 | 0.50 | 3.02 | 5.87 | 1.17 | 35.23 |
| 1986 | 1.55 | 4.11 | 1.56 | 0.51 | 4.16 | 0.75 | 5.50 | 3.40 | 3.93 | 1.69 | 2.67 | 3.66 | 33.49 |
| 1987 | 4.11 | 4.13 | 2.80 | 5.23 | 1.62 | 2.64 | 1.91 | 0.55 | 4.57 | 0.62 | 2.10 | 3.00 | 33.28 |
| 1988 | 2.74 | 3.20 | 1.54 | 2.69 | 2.48 | 0.89 | 3.20 | 2.78 | 3.20 | 1.79 | 3.44 | 2.73 | 30.68 |
| 1989 | 3.69 | 4.07 | 3.76 | 2.97 | 4.10 | 6.97 | 3.81 | 3.41 | 6.95 | 1.77 | 3.18 | 3.16 | 47.84 |
| 1990 | 3.23 | 5.06 | 4.00 | 2.44 | 6.57 | 2.90 | 3.78 | 3.51 | 1.47 | 5.23 | 1.32 | 4.85 | 44.36 |
| 1991 | 2.01 | 5.43 | 6.30 | 3.39 | 2.10 | 4.51 | 3.81 | 3.98 | 2.44 | 0.31 | 3.42 | 6.73 | 44.43 |
| 1992 | 2.42 | 3.52 | 2.62 | 1.53 | 5.46 | 3.44 | 5.11 | 2.41 | 1.49 | 3.42 | 2.25 | 5.05 | 38.72 |
| 1993 | 3.21 | 2.12 | 5.51 | 2.43 | 3.42 | 0.98 | 4.59 | 5.01 | 2.50 | 2.19 | 3.58 | 5.85 | 41.39 |
| 1994 | 4.52 | 7.75 | 7.46 | 4.26 | 3.90 | 4.63 | 4.95 | 4.63 | 1.30 | 2.68 | 2.37 | 1.38 | 49.83 |
| 1995 | 4.63 | 3.64 | 3.24 | 1.52 | 6.19 | 4.18 | 0.67 | 2.40 | 3.82 | 2.35 | 5.34 | 2.24 | 40.22 |
| 1996 | 6.51 | 2.51 | 4.10 | 3.54 | 6.76 | 3.36 | 5.74 | 3.64 | 3.79 | .97 | 4.82 | 3.90 | 49.64 |
| 1997 | 3.91 | 4.25 | 5.92 | 3.78 | 4.80 | 4.45 | 4.25 | 1.53 | 3.02 | 1.70 | 1.71 | 2.17 | 41.49 |
| 1998 | 5.12 | 2.13 | 3.85 | 7.03 | 4.94 | 7.37 | 1.96 | 2.14 | 0.90 | 1.68 | 1.44 | 5.36 | 43.92 |
| 1999 | 4.40 | 2.91 | 2.64 | 2.47 | 2.37 | 4.30 | 5.79 | 2.01 | 1.09 | 2.17 | 3.29 | 1.38 | 34.82 |
| 2000 | 3.62 | 1.86 | 3.84 | 3.55 | 3.19 | 4.56 | 5.42 | 3.70 | 1.74 | 0.02 | 2.42 | 1.69 | 35.61 |
| 2001 | 2.56 | 4.58 | 3.69 | 1.82 | 4.05 | 4.41 | 8.73 | 4.96 | 2.20 | 0.84 | 0.50 | 3.42 | 41.76 |
| 2002 | 4.32 | 0.89 | 5.86 | 0.98 | 2.39 | 1.99 | 4.76 | 3.20 | 2.79 | 3.74 | 4.95 | 4.38 | 40.25 |
| 2003 | 2.47 | 6.32 | 2.83 | 6.66 | 5.32 | 6.40 | 7.52 | 11.34 | 5.29 | 1.55 | 6.74 | 3.20 | 65.64 |
| 2004 | 2.88 | 3.37 | 4.48 | 4.64 | 3.91 | 5.10 | 5.01 | 2.64 | 6.01 | 3.35 | 3.70 | 3.03 | 48.12 |
| 2005 | 2.91 | 2.77 | 2.85 | 5.44 | 2.26 | 4.93 | 5.80 | 3.21 | 0.76 | 1.45 | 2.46 | 2.71 | 37.55 |
| 2006 | 3.90 | 1.98 | 2.86 | 5.69 | 2.29 | 3.95 | 2.01 | 5.25 | 4.67 | 3.13 | 2.75 | 2.16 | 40.64 |
| 2007 | 1.60 | 1.02 | 2.27 | 2.64 | 0.76 | 2.96 | 3.97 | 0.37 | 0.74 | 1.58 | 1.41 | 3.07 | 22.39 |
| POR= 60 YRS | 3.47 | 3.51 | 3.94 | 3.44 | 3.80 | 3.72 | 4.54 | 3.45 | 2.93 | 2.29 | 3.05 | 3.43 | 41.57 |

WBAN : 13877

AVERAGE TEMPERATURE (°F) 2007 BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|
| 1978 | 25.8 | 28.8 | 44.8 | 55.5 | 62.3 | 71.5 | 74.4 | 74.5 | 72.3 | 56.3 | 51.0 | 39.5 | 54.7 |
| 1979 | 30.4 | 31.9 | 48.3 | 55.4 | 63.8 | 68.2 | 70.9 | 73.1 | 66.8 | 54.6 | 48.7 | 38.8 | 54.2 |
| 1980 | 37.9 | 30.6 | 43.2 | 55.4 | 64.2 | 70.6 | 76.4 | 76.9 | 70.9 | 54.1 | 45.3 | 36.3 | 55.2 |
| 1981 | 29.3 | 37.9 | 42.6 | 60.4 | 61.3 | 75.1 | 75.3 | 72.1 | 65.0 | 53.7 | 45.8 | 34.5 | 54.4 |
| 1982 | 31.2 | 40.2 | 49.8 | 53.1 | 68.2 | 71.4 | 75.1 | 72.3 | 65.7 | 57.6 | 48.3 | 43.3 | 56.4 |
| 1983 | 35.1 | 38.2 | 46.4 | 50.5 | 60.9 | 69.5 | 74.2 | 74.7 | 65.9 | 57.1 | 45.3 | 34.8 | 54.4 |
| 1984 | 32.7 | 40.3 | 44.5 | 53.0 | 59.4 | 72.4 | 71.3 | 72.9 | 64.5 | 63.6 | 43.0 | 45.5 | 55.3 |
| 1985 | 27.6 | 35.5 | 48.2 | 57.0 | 63.8 | 69.5 | 73.2 | 71.2 | 66.1 | 61.4 | 55.3 | 33.9 | 55.2 |
| 1986 | 32.0 | 40.4 | 46.2 | 57.2 | 64.8 | 74.1 | 77.2 | 73.0 | 69.7 | 58.7 | 51.4 | 38.8 | 57.0 |
| 1987 | 34.7 | 39.9 | 47.8 | 52.0 | 69.3 | 73.5 | 77.0 | 77.5 | 68.2 | 50.8 | 48.5 | 41.6 | 56.7 |
| 1988 | 31.5 | 37.3 | 47.8 | 54.1 | 62.3 | 70.5 | 76.7 | 77.1 | 68.1 | 50.2 | 47.6 | 37.6 | 55.1 |
| 1989 | 42.3 | 39.5 | 51.2 | 54.7 | 59.8 | 71.9 | 75.1 | 73.3 | 67.8 | 56.6 | 45.6 | 28.1 | 55.5 |
| 1990 | 41.6 | 45.4 | 51.2 | 55.3 | 63.7 | 72.0 | 75.2 | 74.4 | 68.7 | 58.0 | 49.1 | 44.3 | 58.2 |
| 1991 | 38.8 | 41.2 | 49.2 | 59.7 | 69.6 | 72.0 | 76.6 | 73.2 | 67.7 | 58.1 | 46.1 | 40.6 | 57.7 |
| 1992 | 38.6 | 42.7 | 44.8 | 55.5 | 61.2 | 69.2 | 74.9 | 71.1 | 68.4 | 54.0 | 47.0 | 38.3 | 55.5 |
| 1993 | 41.7 | 37.4 | 43.6 | 53.2 | 64.7 | 72.7 | 79.6 | 73.8 | 67.1 | 55.3 | 46.8 | 38.3 | 56.2 |
| 1994 | 31.3 | 41.1 | 46.3 | 59.0 | 60.8 | 74.8 | 75.3 | 72.8 | 65.8 | 57.3 | 50.7 | 43.6 | 56.6 |
| 1995 | 38.1 | 37.5 | 50.1 | 57.1 | 64.7 | 71.3 | 77.2 | 78.4 | 67.7 | 56.1 | 41.0 | 34.4 | 56.1 |
| 1996 | 33.9 | 36.4 | 42.0 | 51.7 | 64.8 | 71.5 | 72.1 | 72.6 | 65.0 | 41.3 | 39.9 | 39.9 | 56.1 |
| 1997 | 35.8 | 43.1 | 50.6 | 50.7 | 58.3 | 68.6 | 74.6 | 70.7 | 65.9 | 55.4 | 41.5 | 36.6 | 54.3 |
| 1998 | 40.3 | 42.7 | 45.3 | 54.3 | 66.0 | 71.1 | 74.4 | 74.3 | 71.6 | 57.7 | 47.7 | 41.6 | 57.3 |
| 1999 | 39.9 | 40.3 | 42.7 | 58.2 | 63.3 | 72.2 | 76.7 | 74.3 | 66.5 | 55.5 | 49.4 | 39.1 | 56.5 |
| 2000 | 33.9 | 43.0 | 49.3 | 52.9 | 66.3 | 71.9 | 73.3 | 72.4 | 67.1 | 56.9 | 44.1 | 30.8 | 55.2 |
| 2001 | 33.2 | 43.4 | 43.0 | 58.0 | 65.2 | 70.8 | 73.2 | 74.5 | 64.5 | 53.6 | 50.2 | 42.8 | 56.0 |
| 2002 | 38.3 | 38.5 | 47.3 | 59.4 | 62.5 | 73.6 | 76.6 | 75.9 | 71.4 | 59.8 | 43.6 | 37.7 | 57.1 |
| 2003 | 30.6 | 37.2 | 50.3 | 56.6 | 64.2 | 69.0 | 73.7 | 74.9 | 65.9 | 55.7 | 50.6 | 36.1 | 55.4 |
| 2004 | 33.3 | 38.6 | 49.8 | 55.5 | 68.1 | 71.3 | 74.1 | 71.2 | 67.9 | 60.5 | 50.5 | 36.3 | 56.4 |
| 2005 | 39.5 | 41.0 | 44.6 | 55.0 | 60.8 | 71.9 | 75.8 | 76.7 | 70.3 | 58.5 | 48.2 | 35.0 | 56.4 |
| 2006 | 43.0 | 36.7 | 46.1 | 59.3 | 61.5 | 70.2 | 75.2 | 76.7 | 64.8 | 53.4 | 47.2 | 41.3 | 56.3 |
| 2007 | 38.3 | 34.2 | 52.5 | 53.5 | 66.0 | 72.9 | 73.2 | 79.0 | 71.3 | 62.5 | 45.6 | 42.6 | 57.6 |
| POR= 60 YRS | 35.7 | 38.9 | 46.7 | 55.7 | 64.2 | 71.6 | 75.0 | 74.1 | 68.0 | 57.1 | 46.5 | 38.3 | 56.0 |

HEATING DEGREE DAYS (base 65°F) 2007 BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| 1978-79 | 0 | 0 | 0 | 268 | 411 | 786 | 1065 | 920 | 511 | 283 | 88 | 11 | 4343 |
| 1979-80 | 3 | 3 | 23 | 323 | 483 | 804 | 832 | 990 | 670 | 285 | 76 | 4 | 4496 |
| 1980-81 | 0 | 0 | 31 | 337 | 586 | 882 | 1099 | 752 | 686 | 161 | 137 | 0 | 4671 |
| 1981-82 | 0 | 0 | 83 | 346 | 570 | 942 | 1042 | 687 | 465 | 351 | 32 | 0 | 4518 |
| 1982-83 | 0 | 0 | 66 | 256 | 494 | 667 | 922 | 745 | 570 | 436 | 140 | 19 | 4315 |
| 1983-84 | 0 | 0 | 98 | 242 | 583 | 928 | 995 | 709 | 627 | 357 | 199 | 8 | 4746 |
| 1984-85 | 0 | 0 | 91 | 73 | 652 | 599 | 1154 | 819 | 518 | 243 | 88 | 19 | 4256 |
| 1985-86 | 0 | 2 | 76 | 124 | 283 | 960 | 1015 | 681 | 577 | 240 | 80 | 0 | 4038 |
| 1986-87 | 0 | 19 | 2 | 227 | 402 | 804 | 932 | 698 | 527 | 393 | 30 | 0 | 4034 |
| 1987-88 | 0 | 0 | 24 | 436 | 489 | 718 | 1031 | 798 | 527 | 322 | 113 | 45 | 4503 |
| 1988-89 | 0 | 0 | 22 | 455 | 512 | 844 | 698 | 709 | 428 | 325 | 198 | 1 | 4192 |
| 1989-90 | 0 | 6 | 55 | 262 | 575 | 1139 | 718 | 540 | 423 | 303 | 93 | 0 | 4114 |
| 1990-91 | 0 | 0 | 48 | 225 | 474 | 636 | 806 | 659 | 483 | 175 | 32 | 2 | 3540 |
| 1991-92 | 0 | 0 | 68 | 224 | 562 | 750 | 813 | 638 | 617 | 293 | 148 | 22 | 4135 |
| 1992-93 | 0 | 3 | 32 | 337 | 532 | 820 | 714 | 767 | 657 | 346 | 65 | 10 | 4283 |
| 1993-94 | 0 | 0 | 59 | 298 | 537 | 823 | 1039 | 665 | 571 | 196 | 156 | 0 | 4344 |
| 1994-95 | 0 | 0 | 37 | 232 | 425 | 653 | 828 | 764 | 454 | 256 | 85 | 10 | 3744 |
| 1995-96 | 0 | 0 | 31 | 281 | 712 | 944 | 956 | 820 | 705 | 402 | 85 | 4 | 4940 |
| 1996-97 | 0 | 0 | 74 | 706 | 769 | 900 | 900 | 605 | 442 | 423 | 222 | 30 | 4197 |
| 1997-98 | 0 | 5 | 28 | 300 | 699 | 871 | 758 | 618 | 606 | 314 | 72 | 26 | 4297 |
| 1998-99 | 0 | 0 | 15 | 237 | 511 | 718 | 773 | 686 | 685 | 212 | 70 | 3 | 3910 |
| 1999-00 | 1 | 0 | 49 | 293 | 463 | 798 | 956 | 631 | 480 | 356 | 36 | 11 | 4074 |
| 2000-01 | 0 | 0 | 75 | 253 | 619 | 1053 | 979 | 602 | 675 | 232 | 56 | 0 | 4544 |
| 2001-02 | 0 | 0 | 101 | 348 | 435 | 678 | 822 | 737 | 541 | 215 | 143 | 1 | 4021 |
| 2002-03 | 0 | 0 | 4 | 201 | 635 | 841 | 1059 | 772 | 449 | 249 | 51 | 20 | 4281 |
| 2003-04 | 0 | 0 | 52 | 288 | 429 | 890 | 976 | 761 | 463 | 292 | 46 | 0 | 4197 |
| 2004-05 | 0 | 6 | 19 | 137 | 435 | 881 | 785 | 666 | 624 | 293 | 147 | 3 | 3996 |
| 2005-06 | 0 | 0 | 6 | 225 | 500 | 922 | 671 | 789 | 578 | 182 | 154 | 9 | 4036 |
| 2006-07 | 0 | 0 | 64 | 358 | 526 | 726 | 819 | 857 | 387 | 345 | 58 | 0 | 4140 |
| 2007- | 0 | 0 | 16 | 143 | 572 | 686 | | | | | | | |

WBAN : 13877

COOLING DEGREE DAYS (base 65°F) 2007 BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1978 | 0 | 0 | 0 | 6 | 53 | 204 | 299 | 302 | 224 | 4 | 0 | 0 | 1092 |
| 1979 | 0 | 0 | 0 | 1 | 59 | 113 | 194 | 259 | 85 | 9 | 0 | 0 | 720 |
| 1980 | 0 | 0 | 0 | 6 | 61 | 179 | 359 | 377 | 215 | 5 | 0 | 0 | 1202 |
| 1981 | 0 | 0 | 0 | 27 | 30 | 309 | 325 | 226 | 87 | 1 | 0 | 0 | 1005 |
| 1982 | 0 | 0 | 0 | 0 | 136 | 199 | 322 | 232 | 93 | 36 | 0 | 0 | 1018 |
| 1983 | 0 | 0 | 2 | 5 | 21 | 163 | 294 | 307 | 131 | 3 | 0 | 0 | 926 |
| 1984 | 0 | 0 | 0 | 2 | 35 | 236 | 202 | 253 | 83 | 38 | 0 | 0 | 849 |
| 1985 | 0 | 0 | 5 | 11 | 53 | 159 | 262 | 201 | 114 | 22 | 0 | 0 | 827 |
| 1986 | 0 | 0 | 0 | 14 | 78 | 278 | 385 | 275 | 149 | 38 | 3 | 0 | 1220 |
| 1987 | 0 | 0 | 0 | 11 | 171 | 259 | 378 | 395 | 126 | 0 | 0 | 0 | 1340 |
| 1988 | 0 | 0 | 0 | 4 | 32 | 214 | 369 | 383 | 120 | 2 | 0 | 0 | 1124 |
| 1989 | 0 | 0 | 5 | 24 | 42 | 218 | 322 | 268 | 144 | 11 | 0 | 0 | 1034 |
| 1990 | 0 | 0 | 3 | 20 | 62 | 217 | 325 | 299 | 161 | 17 | 0 | 0 | 1104 |
| 1991 | 0 | 0 | 0 | 23 | 180 | 218 | 367 | 258 | 157 | 20 | 2 | 0 | 1225 |
| 1992 | 0 | 0 | 0 | 14 | 36 | 155 | 312 | 199 | 143 | 0 | 0 | 0 | 859 |
| 1993 | 0 | 0 | 0 | 1 | 62 | 250 | 460 | 281 | 131 | 6 | 0 | 0 | 1191 |
| 1994 | 0 | 0 | 0 | 21 | 31 | 298 | 327 | 247 | 70 | 0 | 0 | 0 | 994 |
| 1995 | 0 | 0 | 0 | 25 | 81 | 204 | 387 | 423 | 117 | 11 | 0 | 0 | 1248 |
| 1996 | 0 | 0 | 0 | 7 | 84 | 205 | 227 | 244 | 80 | 1 | 0 | 0 | 1160 |
| 1997 | 0 | 0 | 3 | 2 | 17 | 144 | 303 | 190 | 65 | 9 | 0 | 0 | 733 |
| 1998 | 0 | 0 | 3 | 0 | 111 | 215 | 297 | 295 | 219 | 16 | 0 | 0 | 1156 |
| 1999 | 0 | 0 | 0 | 11 | 25 | 225 | 370 | 294 | 102 | 4 | 0 | 0 | 1031 |
| 2000 | 0 | 0 | 0 | 0 | 80 | 226 | 263 | 237 | 144 | 6 | 1 | 0 | 957 |
| 2001 | 0 | 0 | 0 | 25 | 67 | 187 | 262 | 300 | 92 | 2 | 0 | 0 | 935 |
| 2002 | 0 | 0 | 0 | 51 | 69 | 266 | 364 | 346 | 204 | 50 | 1 | 0 | 1351 |
| 2003 | 0 | 0 | 0 | 3 | 34 | 145 | 274 | 314 | 84 | 7 | 4 | 0 | 865 |
| 2004 | 0 | 0 | 0 | 15 | 150 | 196 | 288 | 206 | 111 | 6 | 4 | 0 | 976 |
| 2005 | 0 | 0 | 0 | 0 | 21 | 217 | 344 | 374 | 173 | 30 | 1 | 0 | 1160 |
| 2006 | 0 | 0 | 0 | 15 | 51 | 175 | 325 | 370 | 66 | 3 | 0 | 0 | 1005 |
| 2007 | 0 | 0 | 7 | 6 | 98 | 245 | 260 | 440 | 208 | 73 | 0 | 0 | 1337 |

SNOWFALL (inches) 2007 BRISTOL/JHNSN CTY/KNGSPRT (KTRI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-------|
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 9.2 | 20.4 | 0.8 | 0.0 | 0.0 | 0.0 | 30.4 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.4 | 7.8 | 5.4 | 3.6 | 0.0 | 0.0 | 0.0 | 17.2 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 7.3 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 9.5 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | T | 7.3 | 3.6 | 2.3 | 2.6 | 0.6 | 0.0 | 0.0 | 16.4 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 3.4 | 5.5 | 1.1 | 5.6 | 0.0 | 0.0 | 21.9 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.3 | 4.6 | 3.8 | 1.2 | T | 0.0 | 0.0 | 9.9 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 9.7 | 6.0 | T | T | 0.0 | 0.0 | 16.0 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 10.5 | 7.7 | T | T | 0.0 | 0.0 | 21.4 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.2 | 12.2 | 4.0 | 0.3 | 14.8 | 0.0 | 0.0 | 31.5 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.2 | 7.6 | T | 0.4 | 0.0 | 0.0 | 0.0 | 9.0 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | T | 2.3 | 3.7 | 11.0 | T | T | T | 0.0 | 17.0 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 6.9 | 0.7 | 0.4 | 0.5 | T | 0.0 | 0.0 | 9.5 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 1.4 | T | 0.0 | 0.0 | 0.0 | 1.4 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.2 | T | 0.1 | 0.4 | T | 0.0 | 0.7 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.5 | T | 2.3 | 14.2 | T | 0.0 | T | 20.0 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 1.3 | T | 1.9 | 3.8 | 0.1 | 0.3 | T | 0.0 | 0.0 | 7.4 |
| 1994-95 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | 2.7 | 1.7 | 5.0 | 0.0 | 0.0 | T | 9.4 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.6 | 17.4 | | 3.2 | 0.2 | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003-04 | | | | | | | 2.2 | 6.7 | T | T | 0.0 | 0.0 | |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 0.1 | 0.8 | 0.8 | 2.4 | 0.0 | 0.0 | 4.2 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | T | 0.5 | 7.7 | 0.8 | 0.0 | 0.0 | 0.0 | 9.2 |
| 2006-07 | 0.0 | 0.0 | T | 0.0 | 0.0 | T | 1.5 | 2.0 | 0.2 | 0.6 | 0.0 | 0.0 | 4.3 |
| 2007- | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | | | | | | | |
| POR= 59 YRS | 0.0 | 0.0 | T | T | 0.9 | 2.2 | 5.0 | 4.0 | 2.0 | 0.4 | T | T | 14.5 |

WBAN : 13877

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.</p> | <p>GENERAL CONTINUED: 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. 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.</p> <p>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.</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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2007

BRISTOL/JOHNSON CITY/KINGSPORT

TENNESSEE (KTRI)

The Weather Service Office is located an almost equal distance of 15 miles in the middle of a geographical triangle between the cities of Bristol, Tennessee-Virginia, Kingsport and Johnson City, Tennessee, and is more commonly known as the Tri-City Area. This location is situated in the extreme upper East Tennessee Valley. The terrain immediately surrounding the station ranges from gently rolling on the east and south to very hilly on the west and north. Mountain ranges begin about 10 miles to the southeast and about 15 miles to the west and north, with many peaks and ridges rising to 4,000 feet, and some to 6,000 feet toward the southeast.

This section does not lie directly within any of the principal storm tracks that cross the country, but comes under the influence of storm centers that pass along the Gulf Coast and then up the Atlantic Coast toward the northeast. Being quite varied, the topography has considerable influence on the weather. Moist air from the east is forced up the slopes of the mountains causing much of the moisture to be precipitated before the air mass reaches the Bristol area. The same process occurs to a lesser extent when air masses move over the smaller mountain ranges to the west and north. The maximum monthly precipitation occurs in July, usually from afternoon and early evening thunderstorms. A second maximum of precipitation occurs in the late winter months, due mainly to moist air associated with storm centers to the south or northeast. Annual precipitation amounts recorded in mountainous sections to the east and southeast are almost double what they are in the immediate vicinity.

Lowest temperatures normally occur during the early morning hours, but rise rapidly during the morning hours. Periods of cold weather are generally associated with air flow from winter storm centers near the northeast coast. Periods of unusually high temperatures occur most frequently when Gulf air associated with the Bermuda high pressure system dominates the area.

Snowfall seldom occurs before November and rarely remains on the ground for more than a few days. However, mountains to the east and south of the station are frequently well blanketed with snow for much longer periods of time.

Agricultural activities within this area include such staple crops as tobacco, beans, and hay which are raised in such amounts as to be important commercially. The last freezing temperature in spring normally occurs in late April, and the first in autumn around mid-October. The growing season of 180 days, usually coupled with ample sunshine and rainfall, permits a second planting and harvesting of some staple crops.

Station Location

BRISTOL/JHNSN CTY/KNGSPRT

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | Latitude | | ELEVATION ABOVE | | | | | | | | | | REMARKS | |
|--|---------------|-------------|---|----------|---------|-------------------------|-----------------|----------------------|--------------|-----------------|---------------------------|---------------------|-------------------|------------------|---------------------------------|---------|---|
| | | | | NORTH | WEST | SEA LEVEL | GROUND | | | | | | | HYGROTHERMOMETER | AUTOMATIC OBSERVING EQUIPMENT * | | |
| | | | | | | GROUND TEMPERATURE SITE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET RAIN GAUGE | WEIGHING RAIN GAUGE | 8 INCH RAIN GAUGE | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | |
| Bristol Airport 3-1/3 miles ENE Bristol, Virginia Post Office | 6/23/34 | 9/30/37 | NA | 36° 37' | 82° 08' | 1900 | | | | | | | | | | | No instrument records. |
| Tri-City Airport Administration Bldg. 7 miles WSW of P.O. at Blountville, Tenn. | 10/1/37 | 4/10/45 | 18 mi. WSW | 36° 29' | 82° 24' | 1519 | 68 | 60 | 60 | NA | NA | 58 | 58 | NA | NA | | Change in status from CAA to WBAS 3/17/44. |
| Tri-City Airport Administration Bldg. 7 miles WSW of P.O. at Blountville, Tenn. | 4/10/45 | 2/2/65 | No Change | 36° 29' | 82° 24' | 1519 a1507 | 61 a20 | 5 | 5 | NA | NA | 3 | 3 | NA b5 | NA | | a. Effective 5/1/61. b. Commissioned 2900' SSE of thermometer site 5/6/61. |
| FAA/Weather Bureau + Building, Tri-City Airport + NWS/FAA Building effective 1970. | 2/2/65 | 10/01/95 | 150 ft. NW | 36° 29' | 82° 24' | 1507 | c20 | NA e6 | NA f6 | NA | NA g20 | 4 d4 | 4 d4 | c5 h5 i5 | NA | | c. Not moved 2/2/65. d. Moved 65' SSE 5/15/71. e. Installed 12/20/72. f. Installed 5/10/74. g. Installed 8/19/74. h. Type change 11/5/82. i. Type change 3/24/86. |
| Tri-City Airport | 10/01/95 | Present | NA | 36° 29' | 82° 24' | j1536 | | | | | | | | | S | | ASOS Commissioned 10/01/95 j. Ground elevation. |

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