

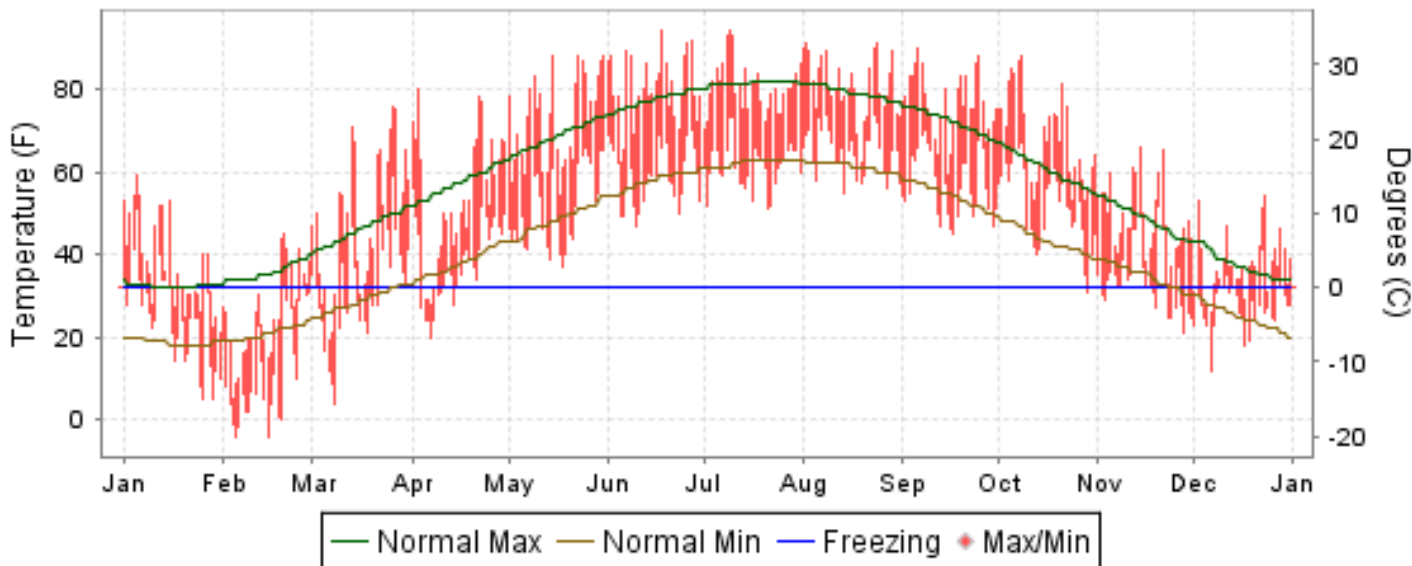


2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

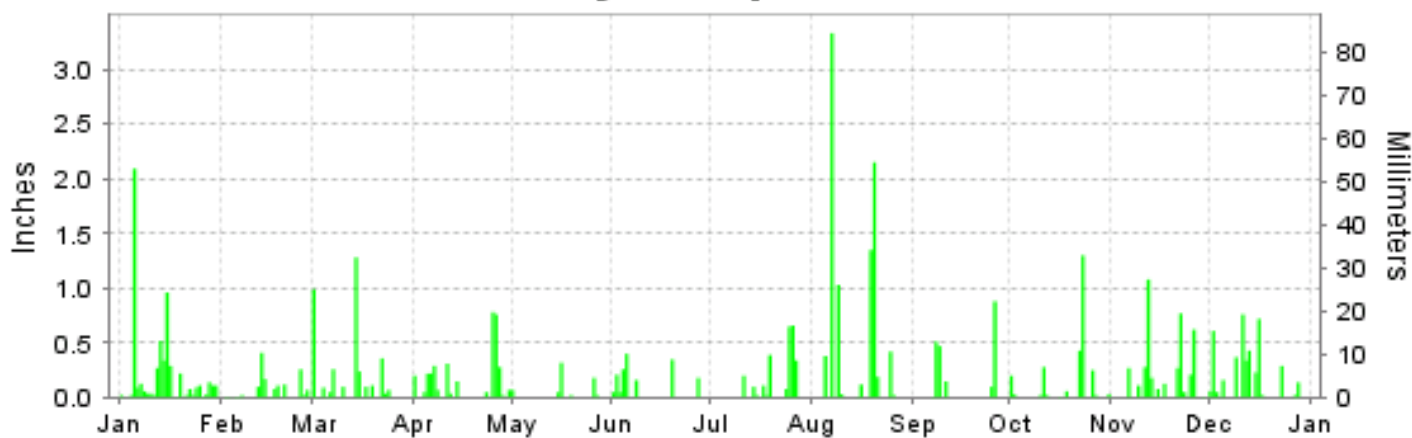
ISSN 0198-3938

CLEVELAND, OHIO (KCLE)

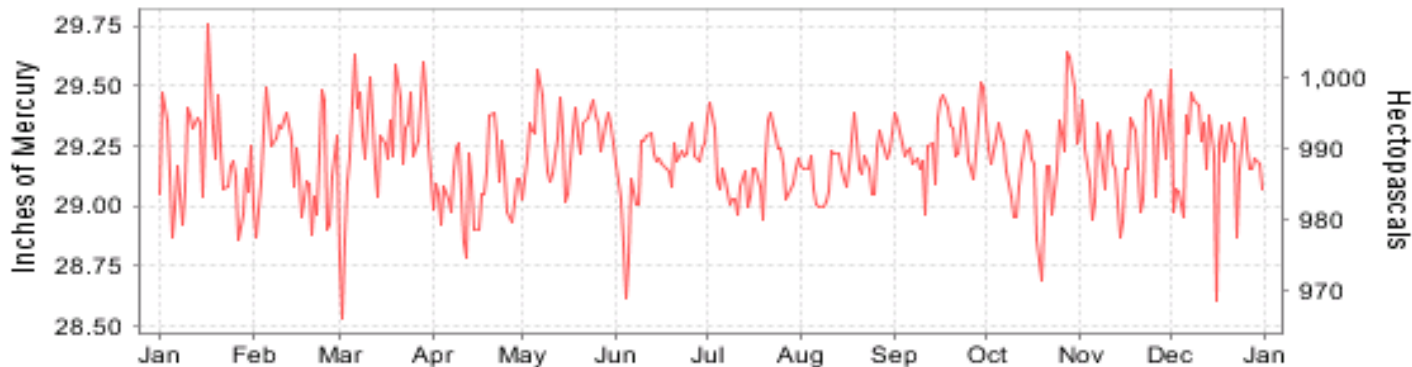
Daily Max/Min Temperature



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

CLEVELAND (KCLE)

LATITUDE: 41° 24'N LONGITUDE: -81° 51'W ELEVATION (FT): GRND: 778 BARO: 805 TIME ZONE: EASTERN (UTC -5) WBAN: 14820

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 37.7 | 25.5 | 48.9 | 54.8 | 72.8 | 80.2 | 80.6 | 80.8 | 76.6 | 68.5 | 48.8 | 37.7 | 59.4 | |
| | HIGHEST DAILY MAXIMUM | 59 | 45 | 76 | 80 | 88 | 94 | 94 | 91 | 90 | 88 | 66 | 54 | 94 | |
| | DATE OF OCCURRENCE | 05 | 20 | 26 | 03 | 15+ | 18 | 09 | 24+ | 06 | 08 | 14 | 23 | JUL 09 | |
| | MEAN DAILY MINIMUM | 24.5 | 12.0 | 31.3 | 38.2 | 51.0 | 59.1 | 61.2 | 64.8 | 56.8 | 51.9 | 33.9 | 27.5 | 42.7 | |
| | LOWEST DAILY MINIMUM | 5 | -4 | 4 | 20 | 37 | 47 | 51 | 55 | 45 | 31 | 21 | 12 | -4 | |
| | DATE OF OCCURRENCE | 29+ | 15+ | 08 | 07 | 18 | 10 | 21 | 14 | 17 | 29 | 28 | 06 | FEB 15+ | |
| | AVERAGE DRY BULB | 31.1 | 18.8 | 40.1 | 46.5 | 61.9 | 69.7 | 70.9 | 72.8 | 66.7 | 60.2 | 41.4 | 32.6 | 51.1 | |
| | MEAN WET BULB | 28.7 | 17.1 | 35.6 | 40.4 | 52.9 | 60.6 | 62.1 | 66.2 | 59.5 | 53.3 | 36.9 | 29.5 | 45.2 | |
| | MEAN DEW POINT | 23.4 | 10.9 | 28.2 | 33.0 | 44.1 | 53.8 | 55.4 | 62.0 | 54.1 | 47.1 | 30.5 | 23.9 | 38.9 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 11 |
| | MAXIMUM <= 32° | 14 | 20 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 50 | |
| MINIMUM <= 32° | 23 | 28 | 16 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 26 | 116 | | |
| MINIMUM <= 0° | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | | |
| H/C | HEATING DEGREE DAYS | 1041 | 1286 | 767 | 547 | 176 | 32 | 5 | 6 | 57 | 205 | 703 | 996 | 5821 | |
| | COOLING DEGREE DAYS | 0 | 0 | 3 | 0 | 89 | 178 | 196 | 256 | 117 | 65 | 0 | 0 | 904 | |
| RH | MEAN (PERCENT) | 73 | 70 | 63 | 63 | 55 | 58 | 60 | 70 | 65 | 65 | 67 | 71 | 65 | |
| | HOUR 01 LST | 76 | 72 | 67 | 69 | 66 | 70 | 72 | 79 | 76 | 71 | 73 | 71 | 72 | |
| | HOUR 07 LST | 76 | 75 | 67 | 68 | 56 | 62 | 68 | 74 | 75 | 72 | 74 | 75 | 70 | |
| | HOUR 13 LST | 70 | 64 | 57 | 54 | 43 | 47 | 47 | 60 | 51 | 51 | 57 | 68 | 56 | |
| | HOUR 19 LST | 72 | 68 | 63 | 59 | 52 | 53 | 53 | 66 | 64 | 65 | 68 | 70 | 63 | |
| S | PERCENT POSSIBLE SUNSHINE | 22 | 24 | 50 | 85 | 66 | 71 | 63 | 54 | 73 | 77 | 136 | 65 | 66 | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | |
| | THUNDERSTORMS | 0 | 0 | 2 | 3 | 2 | 7 | 5 | 5 | 2 | 1 | 1 | 0 | 28 | |
| 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.) | 29.19 | 29.12 | 29.28 | 29.08 | 29.28 | 29.15 | 29.15 | 29.15 | 29.27 | 29.20 | 29.21 | 29.21 | 29.19 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.09 | 30.03 | 30.15 | 29.96 | 30.15 | 30.00 | 30.00 | 30.00 | 30.12 | 30.06 | 30.09 | 30.10 | 30.06 | |
| WINDS | RESULTANT SPEED (MPH) | 6.9 | 6.2 | 2.0 | 4.1 | 1.3 | 0.7 | 1.5 | 0.8 | 2.2 | 4.4 | 4.1 | 4.1 | 2.8 | |
| | RES. DIR. (TENS OF DEGS.) | 24 | 24 | 26 | 28 | 04 | 27 | 28 | 26 | 22 | 21 | 24 | 23 | 25 | |
| | MEAN SPEED (MPH) | 11.7 | 11.9 | 11.6 | 12.3 | 8.2 | 7.5 | 7.6 | 6.4 | 6.6 | 8.6 | 9.7 | 10.1 | 9.4 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 19 | 23 | 03 | 25 | 03 | 02 | 20 | 02 | 16 | 19 | 19 | 24 | 23 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 33 | 41 | 37 | 35 | 36 | 33 | 32 | 28 | 25 | 29 | 36 | 43 | 43 | |
| | DIR. (TENS OF DEGS.) | 26 | 26 | 26 | 32 | 28 | 27 | 35 | 28 | 24 | 25 | 25 | 24 | 24 | |
| | DATE OF OCCURRENCE | 08 | 03 | 02 | 16 | 15 | 27 | 19 | 24 | 25 | 20 | 06 | 23 | DEC 23 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 39 | 48 | 47 | 44 | 44 | 39 | 39 | 47 | 40 | 40 | 46 | 54 | 54 | |
| DIR. (TENS OF DEGS.) | 19 | 25 | 23 | 33 | 28 | 27 | 36 | 02 | 22 | 20 | 26 | 27 | 27 | | |
| DATE OF OCCURRENCE | 11 | 03 | 22 | 16 | 15 | 27 | 19 | 07 | 26 | 19 | 30 | 02 | DEC 02 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 5.84 | 1.41 | 3.71 | 3.52 | 0.66 | 1.66 | 2.57 | 9.03 | 2.12 | 2.65 | 4.07 | 4.20 | 41.44 | |
| | GREATEST 24-HOUR (IN.) | 2.14 | 0.53 | 1.47 | 1.03 | 0.37 | 0.66 | 0.81 | 3.33 | 0.98 | 1.73 | 1.26 | 1.10 | 3.33 | |
| | DATE OF OCCURRENCE | 05-06 | 13-14 | 14-15 | 26-27 | 15-16 | 04-05 | 26-27 | 07 | 25-26 | 22-23 | 12-13 | 11-12 | AUG 07 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 26 | 15 | 14 | 16 | 6 | 8 | 10 | 11 | 6 | 12 | 14 | 14 | 152 | |
| PRECIPITATION 0.10 | 12 | 6 | 8 | 9 | 2 | 6 | 7 | 8 | 5 | 5 | 10 | 10 | 88 | | |
| PRECIPITATION 1.00 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 8 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 21.1 | 23.8 | 7.3 | 13.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 9.6 | 76.3 | |
| | GREATEST 24-HOUR (IN.) | 4.1 | 10.4 | 2.7 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.8 | 10.4 | |
| | DATE OF OCCURRENCE | 16 | 13 | 07 | 07 | | | | | | | 22 | 16 | FEB 13 | |
| | MAXIMUM SNOW DEPTH (IN.) | 6 | 17 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 17 | |
| | DATE OF OCCURRENCE | 29 | 19 | 07 | 08 | | | | | | | 23 | 17 | FEB 19 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 7 | 5 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 22 | | |

NORMALS, MEANS, AND EXTREMES CLEVELAND (KCLE)

LATITUDE: 41° 24'N LONGITUDE: -81° 51'W ELEVATION (FT): GRND: 778 BARO: 805 TIME ZONE: EASTERN (UTC -5) WBAN: 14820

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 32.6 | 35.8 | 46.1 | 57.3 | 68.6 | 77.4 | 81.4 | 79.2 | 72.3 | 60.8 | 48.7 | 37.4 | 58.1 |
| | MEAN DAILY MAXIMUM | 111 | 34.4 | 33.9 | 45.1 | 55.8 | 67.8 | 75.9 | 81.4 | 79.6 | 72.4 | 62.3 | 48.6 | 37.7 | 57.9 |
| | HIGHEST DAILY MAXIMUM | 66 | 73 | 74 | 83 | 88 | 92 | 104 | 103 | 102 | 101 | 90 | 82 | 77 | 104 |
| | YEAR OF OCCURRENCE | | 1950 | 2000 | 1945 | 1986 | 1959 | 1988 | 1941 | 1948 | 1953 | 1946 | 1950 | 1982 | JUN 1988 |
| | MEAN OF EXTREME MAXS. | 111 | 56.5 | 58.7 | 72.2 | 80.3 | 85.6 | 91.5 | 93.2 | 91.3 | 88.3 | 80.1 | 69.9 | 59.6 | 77.3 |
| | NORMAL DAILY MINIMUM | 30 | 18.8 | 21.0 | 28.9 | 37.9 | 48.3 | 57.7 | 62.3 | 61.2 | 54.3 | 43.7 | 34.9 | 24.9 | 41.2 |
| | MEAN DAILY MINIMUM | 111 | 20.4 | 19.8 | 28.9 | 38.1 | 49.2 | 57.8 | 63.6 | 62.2 | 54.9 | 45.2 | 34.8 | 25.2 | 41.7 |
| | LOWEST DAILY MINIMUM | 66 | -20 | -15 | -5 | 10 | 25 | 31 | 41 | 38 | 32 | 19 | 3 | -15 | -20 |
| | YEAR OF OCCURRENCE | | 1994 | 1963 | 1984 | 1964 | 1966 | 1972 | 1968 | 1982 | 1942 | 1988 | 1976 | 1989 | JAN 1994 |
| | MEAN OF EXTREME MINS. | 111 | -0.4 | 1.5 | 11.1 | 23.7 | 33.8 | 43.4 | 50.3 | 48.7 | 39.6 | 30.1 | 19.4 | 6.4 | 25.6 |
| | NORMAL DRY BULB | 30 | 25.7 | 28.4 | 37.5 | 47.6 | 58.5 | 67.5 | 71.9 | 70.2 | 63.3 | 52.2 | 41.8 | 31.1 | 49.6 |
| | MEAN DRY BULB | 111 | 27.4 | 26.9 | 37.0 | 47.0 | 58.5 | 66.9 | 72.5 | 70.9 | 63.7 | 53.8 | 41.7 | 31.4 | 49.8 |
| | MEAN WET BULB | 24 | 25.5 | 26.8 | 33.3 | 43.0 | 52.9 | 61.7 | 65.6 | 65.0 | 58.5 | 48.2 | 38.8 | 29.1 | 45.7 |
| | MEAN DEW POINT | 24 | 21.7 | 22.6 | 28.6 | 37.9 | 48.8 | 58.1 | 62.2 | 62.0 | 55.2 | 44.3 | 34.6 | 25.5 | 41.8 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.8 | 4.2 | 2.1 | 0.6 | 0.0 | 0.0 | 0.0 | 8.9 |
| | MAXIMUM <= 32 | 30 | 14.6 | 11.7 | 4.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 8.9 | 40.7 |
| | MINIMUM <= 32 | 30 | 27.5 | 23.3 | 20.7 | 8.7 | 0.6 | * | 0.0 | 0.0 | 0.0 | 2.4 | 13.0 | 24.1 | 120.3 |
| MINIMUM <= 0 | 30 | 2.8 | 2.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 5.7 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1205 | 1025 | 847 | 516 | 235 | 54 | 7 | 13 | 114 | 389 | 680 | 1036 | 6121 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 2 | 7 | 40 | 140 | 236 | 190 | 79 | 8 | 0 | 0 | 702 |
| RH | NORMAL (PERCENT) | 30 | 75 | 74 | 70 | 67 | 69 | 70 | 71 | 74 | 74 | 72 | 73 | 76 | 72 |
| | hour 01 LST | 30 | 78 | 76 | 75 | 74 | 78 | 81 | 82 | 84 | 83 | 78 | 76 | 78 | 79 |
| | hour 07 LST | 30 | 80 | 79 | 79 | 77 | 79 | 80 | 82 | 86 | 85 | 82 | 78 | 79 | 81 |
| | hour 13 LST | 30 | 71 | 67 | 62 | 57 | 58 | 57 | 61 | 61 | 61 | 60 | 66 | 71 | 62 |
| | hour 19 LST | 30 | 74 | 73 | 68 | 62 | 61 | 62 | 62 | 68 | 70 | 71 | 72 | 75 | 68 |
| S | PERCENT POSSIBLE SUNSHINE | 64 | 30 | 37 | 45 | 53 | 58 | 65 | 67 | 63 | 60 | 52 | 33 | 27 | 49 |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 44 | 1.1 | 1.7 | 1.8 | 1.1 | 1.3 | 0.6 | 0.3 | 0.7 | 0.6 | 0.8 | 0.9 | 1.3 | 12.2 |
| | THUNDERSTORMS | 60 | 0.2 | 0.5 | 1.6 | 3.4 | 4.8 | 6.2 | 6.2 | 5.1 | 3.2 | 1.6 | 1.0 | 0.3 | 34.1 |
| CLOUDNESS | MEAN: SUNRISE-SUNSET (OKTAS) | | | | 6.4 | | | 5.6 | | | | | | 8.8 | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | 6.4 | | | | | | | | | | |
| | MEAN NO. DAYS WITH: CLEAR | | | | 7.0 | | 5.0 | 6.0 | | | | | | | |
| | PARTLY CLOUDY | 1 | 2.0 | 1.0 | 4.0 | | 3.0 | 9.0 | | | | | | | |
| CLOUDY | 1 | 9.0 | 6.0 | 11.0 | | 11.0 | 9.0 | | | | | | | | |
| PR | MEAN STATION PRESSURE(IN) | 24 | 29.21 | 29.22 | 29.19 | 29.13 | 29.15 | 29.15 | 29.17 | 29.20 | 29.22 | 29.23 | 29.22 | 29.23 | 29.19 |
| | MEAN SEA-LEVEL PRES. (IN) | 24 | 30.10 | 30.11 | 30.07 | 30.00 | 30.01 | 30.00 | 30.01 | 30.05 | 30.08 | 30.09 | 30.09 | 30.11 | 30.06 |
| WINDS | MEAN SPEED (MPH) | 24 | 11.4 | 10.7 | 10.9 | 10.3 | 9.3 | 8.4 | 8.0 | 7.6 | 8.3 | 9.2 | 10.8 | 10.9 | 9.7 |
| | PREVAIL.DIR(TENS OF DEGS) | 40 | 25 | 24 | 21 | 02 | 21 | 21 | 22 | 22 | 21 | 21 | 21 | 24 | 24 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 12 | 41 | 45 | 46 | 40 | 45 | 41 | 47 | 39 | 41 | 46 | 47 | 53 | 53 |
| | DIR. (TENS OF DEGS) | | 25 | 25 | 27 | 03 | 29 | 28 | 26 | 24 | 28 | 24 | 26 | 25 | 25 |
| | YEAR OF OCCURRENCE | | 1996 | 2002 | 2002 | 2005 | 2004 | 1998 | 2003 | 2000 | 2005 | 1996 | 2003 | 2004 | DEC 2004 |
| | MAXIMUM 5-SECOND SPEED (MPH) | 12 | 52 | 55 | 62 | 54 | 55 | 58 | 68 | 47 | 51 | 57 | 59 | 62 | 68 |
| | DIR. (TENS OF DEGS) | | 24 | 25 | 26 | 04 | 29 | 31 | 21 | 02 | 30 | 26 | 27 | 26 | 21 |
| YEAR OF OCCURRENCE | | 1996 | 1997 | 2002 | 2005 | 2004 | 1998 | 1999 | 2007 | 2005 | 1996 | 2003 | 2004 | JUL 1999 | |
| PRECIPITATION | NORMAL (IN) | 30 | 2.48 | 2.29 | 2.94 | 3.37 | 3.50 | 3.89 | 3.52 | 3.69 | 3.77 | 2.74 | 3.38 | 3.14 | 38.71 |
| | MAXIMUM MONTHLY (IN) | 66 | 7.01 | 4.70 | 6.07 | 6.61 | 9.14 | 9.06 | 9.12 | 9.03 | 11.05 | 9.50 | 8.80 | 8.59 | 11.05 |
| | YEAR OF OCCURRENCE | | 1950 | 1990 | 1954 | 1961 | 1989 | 1972 | 1992 | 2007 | 1996 | 1954 | 1985 | 1990 | SEP 1996 |
| | MINIMUM MONTHLY (IN) | 66 | 0.36 | 0.48 | 0.78 | 1.18 | 0.66 | 0.65 | 0.68 | 0.53 | 0.74 | 0.61 | 0.80 | 0.71 | 0.36 |
| | YEAR OF OCCURRENCE | | 1961 | 1978 | 1958 | 1946 | 2007 | 1988 | 2001 | 1969 | 1964 | 1952 | 1976 | 1958 | JAN 1961 |
| | MAXIMUM IN 24 HOURS (IN) | 66 | 2.53 | 2.33 | 2.76 | 2.24 | 3.73 | 4.00 | 2.87 | 3.65 | 5.24 | 3.44 | 2.73 | 2.81 | 5.24 |
| | YEAR OF OCCURRENCE | | 1995 | 1959 | 1948 | 1961 | 1955 | 1972 | 1969 | 1994 | 1996 | 1954 | 1985 | 1992 | SEP 1996 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 16.9 | 13.7 | 14.7 | 14.5 | 12.6 | 11.2 | 10.5 | 10.4 | 10.3 | 11.7 | 14.0 | 16.3 | 156.8 |
| PRECIPITATION >= 1.00 | 30 | 0.2 | 0.1 | 0.2 | 0.5 | 0.7 | 0.8 | 1.0 | 0.9 | 0.9 | 0.4 | 0.5 | 0.4 | 6.6 | |
| SNOWFALL | NORMAL (IN) | 30 | 17.1 | 14.1 | 10.7 | 2.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 5.1 | 13.1 | 63.1 |
| | MAXIMUM MONTHLY (IN) | 66 | 42.8 | 39.1 | 26.5 | 19.0 | 2.1 | T | T | 0.0 | T | 8.0 | 23.4 | 35.1 | 42.8 |
| | YEAR OF OCCURRENCE | | 1978 | 1993 | 2001 | 1943 | 1974 | 1996 | 1993 | | 1993 | 1962 | 1996 | 2004 | JAN 1978 |
| | MAXIMUM IN 24 HOURS (IN) | 66 | 10.8 | 14.8 | 16.0 | 11.6 | 2.1 | T | T | 0.0 | T | 6.7 | 15.0 | 12.2 | 16.0 |
| | YEAR OF OCCURRENCE' | | 1996 | 1993 | 1987 | 1982 | 1974 | 1996 | 1993 | | 1993 | 1962 | 1950 | 1974 | MAR 1987 |
| | MAXIMUM SNOW DEPTH (IN) | 59 | 21 | 21 | 15 | 14 | 0 | 0 | 0 | 0 | 0 | 6 | 20 | 19 | 21 |
| | YEAR OF OCCURRENCE | | 1978 | 1993 | 1984 | 1987 | | | | | | 1962 | 1950 | 1962 | FEB 1993 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 5.3 | 4.0 | 2.9 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.8 | 3.8 | 18.7 | |

PRECIPITATION (inches) 2007 CLEVELAND (KCLE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1978 | 3.67 | 0.48 | 2.17 | 3.02 | 3.01 | 3.30 | 2.40 | 3.58 | 3.68 | 3.23 | 1.19 | 2.96 | 32.69 |
| 1979 | 2.61 | 2.74 | 2.33 | 3.09 | 4.77 | 3.47 | 3.76 | 4.46 | 3.66 | 1.79 | 3.16 | 4.00 | 39.84 |
| 1980 | 1.18 | 1.27 | 3.66 | 2.65 | 3.13 | 2.69 | 4.77 | 4.38 | 3.11 | 2.38 | 1.29 | 2.10 | 32.61 |
| 1981 | 0.76 | 2.72 | 1.61 | 4.62 | 2.19 | 4.68 | 5.31 | 2.61 | 6.75 | 2.33 | 1.99 | 3.44 | 39.01 |
| 1982 | 4.00 | 1.41 | 3.77 | 1.62 | 2.65 | 5.01 | 1.21 | 2.66 | 4.82 | 0.93 | 5.17 | 3.68 | 36.93 |
| 1983 | 1.08 | 0.77 | 3.54 | 4.48 | 4.17 | 3.45 | 4.16 | 3.15 | 2.87 | 4.14 | 5.89 | 2.92 | 40.62 |
| 1984 | 1.25 | 3.82 | 3.80 | 2.29 | 5.95 | 3.40 | 3.35 | 5.51 | 2.43 | 2.20 | 3.95 | 3.38 | 41.33 |
| 1985 | 1.78 | 2.60 | 4.97 | 1.38 | 3.45 | 2.93 | 3.23 | 4.01 | 2.05 | 3.45 | 8.80 | 2.63 | 41.28 |
| 1986 | 2.23 | 3.08 | 2.44 | 3.90 | 4.34 | 2.97 | 3.10 | 3.58 | 6.41 | 2.83 | 3.01 | 2.82 | 40.71 |
| 1987 | 1.98 | 0.49 | 3.84 | 2.97 | 2.40 | 7.94 | 3.36 | 5.51 | 2.07 | 3.41 | 1.02 | 2.96 | 37.95 |
| 1988 | 1.03 | 2.84 | 2.20 | 3.47 | 1.33 | 0.65 | 3.42 | 3.35 | 1.77 | 2.51 | 4.63 | 2.49 | 29.69 |
| 1989 | 2.07 | 1.73 | 3.46 | 3.73 | 9.14 | 5.22 | 3.02 | 1.09 | 4.61 | 4.50 | 3.61 | 1.72 | 43.90 |
| 1990 | 2.35 | 4.70 | 0.86 | 4.57 | 6.10 | 1.72 | 5.62 | 4.79 | 7.33 | 4.92 | 2.28 | 8.59 | 53.83 |
| 1991 | 2.18 | 2.31 | 3.64 | 4.22 | 3.24 | 1.37 | 1.69 | 2.79 | 3.40 | 2.65 | 2.92 | 2.26 | 32.67 |
| 1992 | 3.32 | 2.65 | 3.05 | 3.77 | 3.01 | 2.66 | 9.12 | 4.58 | 3.25 | 2.27 | 6.54 | 4.31 | 48.53 |
| 1993 | 4.44 | 2.61 | 3.85 | 3.16 | 1.56 | 5.18 | 2.58 | 1.52 | 5.94 | 3.52 | 4.06 | 2.21 | 40.63 |
| 1994 | 2.66 | 0.83 | 1.30 | 3.70 | 1.67 | 3.35 | 2.46 | 5.35 | 1.73 | 1.05 | 2.52 | 2.94 | 29.56 |
| 1995 | 5.81 | 1.73 | 1.72 | 4.33 | 3.96 | 3.67 | 5.39 | 2.00 | 1.03 | 4.08 | 3.88 | 1.45 | 39.05 |
| 1996 | 2.69 | 1.63 | 2.81 | 5.61 | 2.08 | 3.89 | 3.18 | 0.79 | 11.05 | 4.65 | 5.03 | 3.03 | 46.44 |
| 1997 | 1.77 | 2.93 | 3.26 | 2.20 | 4.21 | 3.34 | 1.51 | 5.26 | 4.25 | 1.63 | 2.58 | 2.42 | 35.36 |
| 1998 | 3.92 | 1.89 | 3.25 | 6.07 | 1.92 | 2.97 | 2.72 | 3.02 | 1.20 | 2.36 | 1.59 | 1.92 | 32.83 |
| 1999 | 3.64 | 2.36 | 1.65 | 3.89 | 1.54 | 1.43 | 4.66 | 1.80 | 1.93 | 3.06 | 3.31 | 2.70 | 31.97 |
| 2000 | 2.63 | 2.05 | 1.57 | 3.72 | 5.46 | 5.72 | 2.57 | 4.72 | 3.29 | 3.56 | 2.55 | 2.75 | 40.59 |
| 2001 | 1.59 | 1.63 | 2.43 | 2.33 | 3.84 | 3.96 | 0.68 | 3.31 | 3.90 | 5.56 | 2.62 | 2.53 | 34.38 |
| 2002 | 2.21 | 2.43 | 4.13 | 3.67 | 5.77 | 0.92 | 2.87 | 2.00 | 3.50 | 1.52 | 3.65 | 3.71 | 36.38 |
| 2003 | 1.98 | 2.74 | 2.33 | 2.47 | 6.49 | 3.16 | 4.89 | 1.96 | 6.02 | 2.87 | 3.58 | 4.01 | 42.50 |
| 2004 | 2.69 | 0.76 | 4.82 | 3.74 | 5.90 | 2.87 | 2.88 | 2.46 | 3.22 | 2.34 | 3.24 | 4.47 | 39.39 |
| 2005 | 5.89 | 2.07 | 1.66 | 5.57 | 1.43 | 1.64 | 3.24 | 7.60 | 3.55 | 2.53 | 2.65 | 2.04 | 39.87 |
| 2006 | 1.92 | 2.80 | 1.54 | 2.45 | 4.54 | 4.84 | 4.46 | 2.21 | 3.14 | 5.83 | 3.40 | 3.51 | 40.64 |
| 2007 | 5.84 | 1.41 | 3.71 | 3.52 | 0.66 | 1.66 | 2.57 | 9.03 | 2.12 | 2.65 | 4.07 | 4.20 | 41.44 |
| POR= 111 YRS | 2.58 | 2.16 | 2.90 | 3.10 | 3.17 | 3.25 | 3.39 | 3.13 | 3.21 | 2.63 | 2.81 | 2.60 | 34.93 |

WBAN : 14820

AVERAGE TEMPERATURE (°F) 2007 CLEVELAND (KCLE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1978 | 20.1 | 16.8 | 32.4 | 47.0 | 59.4 | 69.0 | 72.2 | 73.0 | 69.2 | 53.2 | 44.2 | 33.7 | 49.2 |
| 1979 | 22.0 | 19.1 | 42.9 | 46.6 | 56.9 | 66.9 | 71.1 | 71.5 | 65.0 | 52.4 | 42.3 | 33.7 | 49.2 |
| 1980 | 25.5 | 21.9 | 33.6 | 46.1 | 58.5 | 64.0 | 72.3 | 73.2 | 64.7 | 47.9 | 39.4 | 28.5 | 48.0 |
| 1981 | 20.1 | 31.5 | 36.0 | 50.6 | 55.7 | 68.2 | 71.3 | 70.0 | 62.4 | 50.0 | 42.6 | 30.6 | 49.1 |
| 1982 | 19.8 | 25.2 | 37.1 | 44.6 | 64.9 | 64.1 | 73.6 | 67.9 | 62.7 | 55.3 | 45.4 | 40.5 | 50.1 |
| 1983 | 30.7 | 33.9 | 40.8 | 47.1 | 55.7 | 69.0 | 75.2 | 73.7 | 65.1 | 53.4 | 43.9 | 23.2 | 51.0 |
| 1984 | 20.7 | 34.5 | 28.4 | 46.8 | 54.0 | 69.5 | 68.7 | 70.6 | 61.1 | 56.3 | 40.9 | 36.5 | 49.0 |
| 1985 | 20.8 | 25.2 | 40.3 | 53.6 | 60.4 | 62.7 | 71.1 | 68.9 | 64.9 | 54.0 | 46.0 | 24.3 | 49.4 |
| 1986 | 26.7 | 28.8 | 39.5 | 49.8 | 60.8 | 67.2 | 73.1 | 69.0 | 67.0 | 54.3 | 40.3 | 32.6 | 50.8 |
| 1987 | 27.4 | 30.5 | 39.0 | 49.1 | 63.0 | 70.2 | 75.2 | 70.8 | 63.5 | 47.5 | 46.1 | 34.8 | 51.4 |
| 1988 | 25.6 | 25.8 | 37.5 | 47.9 | 59.7 | 68.9 | 75.9 | 74.2 | 64.0 | 47.1 | 43.8 | 31.3 | 50.1 |
| 1989 | 35.0 | 26.1 | 38.1 | 45.3 | 57.6 | 68.3 | 73.4 | 71.0 | 64.0 | 54.0 | 41.0 | 19.2 | 49.4 |
| 1990 | 35.8 | 34.1 | 42.0 | 49.4 | 56.3 | 67.6 | 71.2 | 69.8 | 63.4 | 53.7 | 45.3 | 35.6 | 52.0 |
| 1991 | 27.3 | 32.8 | 40.7 | 52.6 | 66.9 | 71.1 | 74.7 | 72.7 | 64.5 | 55.7 | 40.2 | 34.8 | 52.8 |
| 1992 | 30.2 | 32.7 | 36.6 | 47.9 | 57.9 | 64.1 | 70.7 | 67.6 | 63.3 | 49.9 | 42.0 | 34.1 | 49.8 |
| 1993 | 32.3 | 25.6 | 33.6 | 47.6 | 59.2 | 67.9 | 75.0 | 73.2 | 62.2 | 51.3 | 41.8 | 30.5 | 50.0 |
| 1994 | 19.3 | 26.5 | 36.3 | 50.5 | 54.7 | 69.7 | 73.3 | 69.3 | 63.9 | 54.5 | 47.8 | 36.9 | 50.2 |
| 1995 | 30.1 | 27.0 | 40.0 | 46.6 | 59.3 | 71.5 | 75.5 | 77.8 | 63.2 | 56.4 | 38.5 | 26.1 | 51.0 |
| 1996 | 25.9 | 27.6 | 30.9 | 46.3 | 56.7 | 69.3 | 69.6 | 70.9 | 64.0 | 54.0 | 36.3 | 34.7 | 48.9 |
| 1997 | 25.7 | 34.4 | 38.8 | 45.2 | 52.9 | 68.2 | 70.6 | 67.5 | 62.6 | 53.1 | 39.0 | 33.4 | 49.3 |
| 1998 | 35.2 | 37.6 | 41.2 | 49.3 | 64.4 | 68.5 | 71.4 | 72.1 | 67.0 | 53.5 | 44.9 | 37.0 | 53.5 |
| 1999 | 27.1 | 34.7 | 34.3 | 50.4 | 61.0 | 70.1 | 76.2 | 69.1 | 65.0 | 52.5 | 45.9 | 33.8 | 51.7 |
| 2000 | 26.6 | 34.3 | 43.2 | 47.0 | 61.5 | 68.6 | 68.0 | 68.9 | 63.1 | 54.7 | 39.8 | 22.3 | 49.8 |
| 2001 | 27.7 | 32.2 | 34.0 | 51.4 | 60.0 | 68.0 | 71.9 | 72.6 | 61.4 | 54.4 | 48.8 | 37.1 | 51.6 |
| 2002 | 34.6 | 34.0 | 37.4 | 50.5 | 55.5 | 70.4 | 75.5 | 73.6 | 68.7 | 51.8 | 41.3 | 30.7 | 52.0 |
| 2003 | 21.2 | 24.5 | 38.7 | 48.9 | 57.8 | 66.9 | 72.5 | 73.2 | 63.7 | 51.4 | 47.8 | 33.6 | 50.0 |
| 2004 | 21.6 | 29.7 | 40.4 | 49.0 | 62.2 | 66.7 | 71.4 | 68.1 | 65.8 | 53.6 | 44.5 | 31.0 | 50.3 |
| 2005 | 27.4 | 30.9 | 32.6 | 48.7 | 55.2 | 73.7 | 75.2 | 74.1 | 67.1 | 54.4 | 44.7 | 27.4 | 51.0 |
| 2006 | 38.6 | 30.5 | 37.7 | 51.5 | 58.8 | 66.1 | 74.2 | 72.5 | 62.2 | 50.1 | 44.9 | 38.4 | 52.1 |
| 2007 | 31.1 | 18.8 | 40.1 | 46.5 | 61.9 | 69.7 | 70.9 | 72.8 | 66.7 | 60.2 | 41.4 | 32.6 | 51.1 |
| POR= 111 YRS | 27.4 | 26.9 | 37.0 | 47.0 | 58.5 | 66.9 | 72.5 | 70.9 | 63.7 | 53.8 | 41.7 | 31.4 | 49.8 |

HEATING DEGREE DAYS (base 65°F) 2007 CLEVELAND (KCLE)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1978-79 | 7 | 2 | 43 | 362 | 620 | 965 | 1328 | 1281 | 680 | 552 | 290 | 60 | 6190 |
| 1979-80 | 20 | 11 | 87 | 403 | 670 | 967 | 1218 | 1244 | 967 | 561 | 223 | 103 | 6474 |
| 1980-81 | 3 | 2 | 97 | 521 | 763 | 1125 | 1385 | 935 | 894 | 430 | 298 | 30 | 6483 |
| 1981-82 | 11 | 11 | 145 | 458 | 664 | 1059 | 1393 | 1109 | 860 | 608 | 78 | 75 | 6471 |
| 1982-83 | 5 | 42 | 136 | 310 | 586 | 760 | 1056 | 864 | 742 | 533 | 294 | 56 | 5384 |
| 1983-84 | 7 | 0 | 116 | 362 | 628 | 1291 | 1366 | 878 | 1126 | 544 | 347 | 19 | 6684 |
| 1984-85 | 16 | 17 | 174 | 270 | 716 | 877 | 1364 | 1110 | 757 | 370 | 187 | 99 | 5957 |
| 1985-86 | 2 | 7 | 118 | 338 | 565 | 1255 | 1180 | 1009 | 785 | 459 | 172 | 52 | 5942 |
| 1986-87 | 3 | 40 | 63 | 332 | 736 | 999 | 1158 | 958 | 795 | 473 | 170 | 23 | 5750 |
| 1987-88 | 3 | 22 | 90 | 535 | 562 | 929 | 1213 | 1129 | 848 | 506 | 208 | 60 | 6105 |
| 1988-89 | 8 | 5 | 83 | 557 | 629 | 1040 | 922 | 1084 | 831 | 585 | 272 | 33 | 6049 |
| 1989-90 | 0 | 6 | 108 | 350 | 716 | 1416 | 898 | 858 | 718 | 492 | 270 | 56 | 5888 |
| 1990-91 | 7 | 3 | 121 | 350 | 585 | 906 | 1163 | 897 | 748 | 379 | 111 | 11 | 5281 |
| 1991-92 | 0 | 0 | 123 | 310 | 738 | 930 | 1074 | 929 | 872 | 513 | 243 | 90 | 5822 |
| 1992-93 | 8 | 26 | 118 | 462 | 682 | 952 | 1009 | 1097 | 967 | 519 | 192 | 56 | 6088 |
| 1993-94 | 0 | 3 | 134 | 420 | 691 | 1063 | 1414 | 1073 | 880 | 443 | 330 | 57 | 6508 |
| 1994-95 | 4 | 10 | 83 | 322 | 507 | 865 | 1077 | 1061 | 769 | 546 | 190 | 13 | 5447 |
| 1995-96 | 3 | 0 | 103 | 271 | 787 | 1200 | 1203 | 1077 | 1052 | 556 | 297 | 19 | 6568 |
| 1996-97 | 8 | 0 | 98 | 333 | 850 | 932 | 1213 | 849 | 805 | 584 | 368 | 46 | 6086 |
| 1997-98 | 11 | 30 | 103 | 404 | 773 | 972 | 916 | 763 | 758 | 465 | 94 | 73 | 5362 |
| 1998-99 | 1 | 4 | 52 | 350 | 597 | 863 | 1171 | 840 | 942 | 433 | 155 | 56 | 5464 |
| 1999-00 | 3 | 3 | 83 | 384 | 569 | 961 | 1180 | 884 | 674 | 533 | 169 | 54 | 5497 |
| 2000-01 | 10 | 21 | 136 | 315 | 750 | 1317 | 1152 | 914 | 955 | 427 | 177 | 58 | 6232 |
| 2001-02 | 11 | 0 | 150 | 332 | 480 | 857 | 934 | 862 | 847 | 464 | 309 | 31 | 5277 |
| 2002-03 | 0 | 0 | 37 | 432 | 701 | 1053 | 1350 | 1128 | 809 | 490 | 224 | 52 | 6276 |
| 2003-04 | 0 | 1 | 88 | 426 | 511 | 966 | 1338 | 1016 | 754 | 482 | 153 | 52 | 5787 |
| 2004-05 | 0 | 24 | 55 | 350 | 610 | 1045 | 1159 | 947 | 999 | 484 | 299 | 12 | 5984 |
| 2005-06 | 0 | 1 | 22 | 350 | 604 | 1160 | 810 | 957 | 841 | 402 | 240 | 51 | 5438 |
| 2006-07 | 3 | 0 | 104 | 454 | 594 | 818 | 1041 | 1286 | 767 | 547 | 176 | 32 | 5822 |
| 2007- | 5 | 6 | 57 | 205 | 703 | 996 | | | | | | | |

WBAN : 14820

COOLING DEGREE DAYS (base 65°F) 2007 CLEVELAND (KCLE)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1978 | 0 | 0 | 0 | 0 | 53 | 170 | 237 | 256 | 177 | 3 | 0 | 0 | 896 |
| 1979 | 0 | 0 | 0 | 6 | 42 | 122 | 213 | 218 | 93 | 21 | 0 | 0 | 715 |
| 1980 | 0 | 0 | 0 | 0 | 27 | 83 | 235 | 263 | 97 | 0 | 0 | 0 | 705 |
| 1981 | 0 | 0 | 0 | 4 | 16 | 132 | 214 | 175 | 73 | 0 | 0 | 0 | 614 |
| 1982 | 0 | 0 | 0 | 3 | 84 | 54 | 278 | 140 | 73 | 17 | 6 | 6 | 661 |
| 1983 | 0 | 0 | 0 | 5 | 12 | 185 | 327 | 277 | 127 | 12 | 0 | 0 | 945 |
| 1984 | 0 | 0 | 0 | 3 | 13 | 159 | 139 | 197 | 60 | 5 | 0 | 0 | 576 |
| 1985 | 0 | 0 | 0 | 38 | 52 | 34 | 201 | 131 | 122 | 4 | 2 | 0 | 584 |
| 1986 | 0 | 0 | 1 | 9 | 48 | 128 | 259 | 168 | 131 | 8 | 0 | 0 | 752 |
| 1987 | 0 | 0 | 0 | 0 | 114 | 183 | 322 | 209 | 53 | 0 | 3 | 0 | 884 |
| 1988 | 0 | 0 | 0 | 0 | 47 | 185 | 348 | 297 | 58 | 9 | 0 | 0 | 944 |
| 1989 | 0 | 0 | 4 | 0 | 46 | 138 | 268 | 199 | 83 | 14 | 0 | 0 | 752 |
| 1990 | 0 | 0 | 10 | 31 | 8 | 141 | 208 | 158 | 80 | 8 | 1 | 0 | 645 |
| 1991 | 0 | 0 | 1 | 14 | 176 | 200 | 307 | 245 | 114 | 26 | 0 | 0 | 1083 |
| 1992 | 0 | 0 | 0 | 8 | 28 | 68 | 191 | 114 | 74 | 0 | 0 | 0 | 483 |
| 1993 | 0 | 0 | 0 | 0 | 17 | 147 | 316 | 262 | 62 | 2 | 0 | 0 | 806 |
| 1994 | 0 | 0 | 0 | 15 | 17 | 204 | 269 | 149 | 58 | 5 | 1 | 0 | 718 |
| 1995 | 0 | 0 | 0 | 0 | 21 | 216 | 336 | 404 | 58 | 11 | 0 | 0 | 1046 |
| 1996 | 0 | 0 | 0 | 2 | 48 | 155 | 160 | 193 | 76 | 1 | 0 | 0 | 635 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 147 | 194 | 113 | 38 | 41 | 0 | 0 | 533 |
| 1998 | 0 | 0 | 25 | 0 | 82 | 183 | 207 | 231 | 118 | 4 | 0 | 0 | 850 |
| 1999 | 0 | 0 | 0 | 0 | 39 | 218 | 357 | 138 | 88 | 1 | 0 | 0 | 841 |
| 2000 | 0 | 0 | 4 | 1 | 69 | 169 | 114 | 145 | 86 | 7 | 0 | 0 | 595 |
| 2001 | 0 | 0 | 0 | 23 | 31 | 156 | 231 | 240 | 48 | 11 | 0 | 0 | 740 |
| 2002 | 0 | 0 | 0 | 37 | 23 | 199 | 330 | 275 | 153 | 31 | 0 | 0 | 1048 |
| 2003 | 0 | 0 | 0 | 10 | 9 | 116 | 238 | 261 | 56 | 8 | 3 | 0 | 701 |
| 2004 | 0 | 0 | 0 | 9 | 72 | 111 | 206 | 129 | 89 | 1 | 0 | 0 | 617 |
| 2005 | 0 | 0 | 0 | 4 | 3 | 279 | 323 | 286 | 93 | 30 | 0 | 0 | 1018 |
| 2006 | 0 | 0 | 0 | 4 | 54 | 92 | 296 | 238 | 26 | 0 | 0 | 0 | 710 |
| 2007 | 0 | 0 | 3 | 0 | 89 | 178 | 196 | 256 | 117 | 65 | 0 | 0 | 904 |

SNOWFALL (inches) 2007 CLEVELAND (KCLE)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.5 | 15.1 | 16.0 | 2.4 | 0.4 | 0.0 | 0.0 | 38.3 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 4.0 | 11.3 | 19.2 | 3.5 | T | T | 0.0 | 38.7 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 5.4 | 13.5 | 15.0 | 9.7 | 16.9 | T | 0.0 | 0.0 | 60.5 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 4.0 | 2.9 | 27.1 | 28.1 | 7.6 | 17.6 | 13.2 | 0.0 | 0.0 | 100.5 |
| 1982-83 | 0.0 | 0.0 | 0.0 | T | 2.2 | 6.3 | 6.5 | 8.3 | 11.3 | 3.4 | 0.0 | 0.0 | 38.0 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 13.0 | 12.9 | 27.1 | 19.3 | T | 0.0 | 0.0 | 79.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 8.9 | 25.5 | 18.2 | 1.2 | 5.9 | 0.0 | 0.0 | 63.7 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | T | 23.4 | 17.2 | 10.8 | 6.7 | 0.2 | 0.0 | 0.0 | 58.3 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 1.1 | 16.4 | 5.0 | 26.2 | 4.0 | 0.0 | 0.0 | 55.8 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 1.0 | 16.4 | 8.7 | 22.9 | 20.4 | 1.9 | 0.0 | 0.0 | 71.3 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | 1.7 | 17.9 | 6.6 | 13.8 | 9.9 | 4.9 | T | 0.0 | 54.8 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | 9.1 | 24.0 | 10.5 | 9.9 | 4.4 | 4.7 | 0.0 | 0.0 | 62.6 |
| 1990-91 | 0.0 | 0.0 | 0.0 | T | T | 7.4 | 16.6 | 18.9 | 4.2 | T | 0.0 | 0.0 | 47.1 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 9.4 | 23.8 | 6.2 | 18.4 | 4.4 | 0.0 | 0.0 | 65.7 |
| 1992-93 | 0.0 | 0.0 | 0.0 | T | 7.1 | 7.1 | 8.7 | 39.1 | 25.4 | 1.1 | 0.0 | T | 88.5 |
| 1993-94 | T | 0.0 | T | 0.2 | 3.0 | 19.0 | 27.4 | 12.3 | 7.0 | 3.6 | 0.0 | 0.0 | 72.5 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.0 | 23.4 | 14.7 | 4.3 | 0.2 | 0.0 | 0.0 | 43.6 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 29.6 | 21.9 | 10.1 | 19.4 | 10.2 | 0.0 | T | 101.1 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 23.4 | 5.0 | 13.0 | 8.4 | 5.3 | 0.8 | 0.0 | 0.0 | 55.9 |
| 1997-98 | 0.0 | 0.0 | 0.0 | T | 8.6 | 10.7 | 5.0 | 0.2 | 9.5 | T | 0.0 | 0.0 | 34.0 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.9 | 29.6 | 14.2 | 11.6 | T | 0.0 | 0.0 | 62.4 |
| 1999-00 | 0.0 | 0.0 | 0.0 | T | 1.6 | 10.3 | 24.7 | 13.9 | 8.0 | 1.0 | 0.0 | 0.0 | 59.5 |
| 2000-01 | 0.0 | 0.0 | T | 0.1 | 11.2 | 21.9 | 14.9 | 3.2 | 26.5 | 0.3 | 0.0 | 0.0 | 78.1 |
| 2001-02 | 0.0 | 0.0 | 0.0 | 1.0 | T | 3.5 | 6.3 | 16.9 | 15.9 | 2.2 | T | 0.0 | 45.8 |
| 2002-03 | 0.0 | 0.0 | 0.0 | T | 6.1 | 22.4 | 30.3 | 30.1 | 6.7 | 0.1 | T | 0.0 | 95.7 |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.3 | 4.5 | 26.6 | 32.9 | 5.7 | 18.6 | 2.6 | T | T | 91.2 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 35.1 | 32.8 | 10.3 | 19.8 | 19.0 | T | 0.0 | 117.9 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 21.0 | 4.6 | 16.9 | 2.2 | 0.4 | 0.0 | 0.0 | 50.6 |
| 2006-07 | 0.0 | 0.0 | 0.0 | T | 1.4 | 9.5 | 21.1 | 23.8 | 7.3 | 13.4 | 0.0 | 0.0 | 76.5 |
| 2007- | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 9.6 | | | | | | | |
| POR= 60 YRS | T | 0.0 | T | 0.5 | 5.3 | 12.6 | 14.7 | 12.4 | 11.0 | 2.6 | T | T | 59.1 |

WBAN : 14820

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 CLEVELAND OHIO (KCLE)

Cleveland is on the south shore of Lake Erie in northeast Ohio. The metropolitan area has a lake frontage of 31 miles. The surrounding terrain is generally level except for an abrupt ridge on the eastern edge of the city which rises some 500 feet above the shore terrain. The Cuyahoga River, which flows through a rather deep but narrow north-south valley, bisects the city.

Local climate is continental in character but with strong modifying influences by Lake Erie. West to northerly winds blowing off Lake Erie tend to lower daily high temperatures in summer and raise temperatures in winter. Temperatures at Hopkins Airport which is 5 miles south of the lakeshore average from 2-4 degrees higher than the lakeshore in summer, while overnight low temperatures average from 2-4 degrees lower than the lakefront during all seasons.

In this area, summers are moderately warm and humid with occasional days when temperatures exceed 90 degrees. Winters are relatively cold and cloudy with an average of 5 days with sub-zero temperatures. Weather changes occur every few days from the passing of cold fronts.

The daily range in temperature is usually greatest in late summer and least in winter. Annual extremes in temperature normally occur soon after

late June and December. Maximum temperatures below freezing occur most often in December, January, and February. Temperatures of 100 degrees or higher are rare. On the average, freezing temperatures in fall are first recorded in October while the last freezing temperature in spring normally occurs in April.

As is characteristic of continental climates, precipitation varies widely from year to year. However, it is normally abundant and well distributed throughout the year with spring being the wettest season. Showers and thunderstorms account for most of the rainfall during the growing season. Thunderstorms are most frequent from April through August. Snowfall may fluctuate widely. Mean annual snowfall increases from west to east in Cuyahoga County ranging from about 45 inches in the west to more than 90 inches in the extreme east.

Damaging winds of 50 mph or greater are usually associated with thunderstorms. Tornadoes, one of the most destructive of all atmospheric storms, occasionally occur in Cuyahoga County.

Station Location

CLEVELAND

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | Latitude | | Longitude | | ELEVATION ABOVE | | | | | | | REMARKS |
|---|---------------|-------------|---|----------|---------|-------------------------|-----------------|----------------------|----------------|-----------------|---------------------------|---------------------|---------------------------------|-------------------|---|
| | | | | NORTH | WEST | SEA LEVEL | GROUND | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | | |
| | | | | | | GROUND TEMPERATURE SITE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET RAIN GAUGE | WEIGHING RAIN GAUGE | | 8 INCH RAIN GAUGE | |
| *NOTE: | | | | | | | | | | | | | | | |
| AIRPORT | | | | | | | | | | | | | | | |
| Federal Facilities Bldg Cleveland Hopkins International Airport | 7/27/76 | 12/01/95 | 1.25 mi. W | 41° 25' | 81° 52' | 777 | j2 r3 | nUnk | 27 p4 r5 | j84 m27 | k27 | 4 | 4 | j4 q4 r5 | j. Not moved 7/27/76. k. Installed on roof 8/1/76. m. Relocated 8/18/76. n. Installed on ground 11/15/78. p. Moved to center field 9/20/79. q. Type change 9/20/79. r. Moved from center field to a point 210' E of WSO 5/1/86, also Hygro type change same date. |
| Cleveland Hopkins Int'l Airport | 12/01/95 | Present | NA | 41° 24' | 81° 51' | s802 | | | | | | | | S | ASOS Commissioned 12/01/95 s. Ground elevation. |

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* NOTES: For earlier station history see previous editions.