

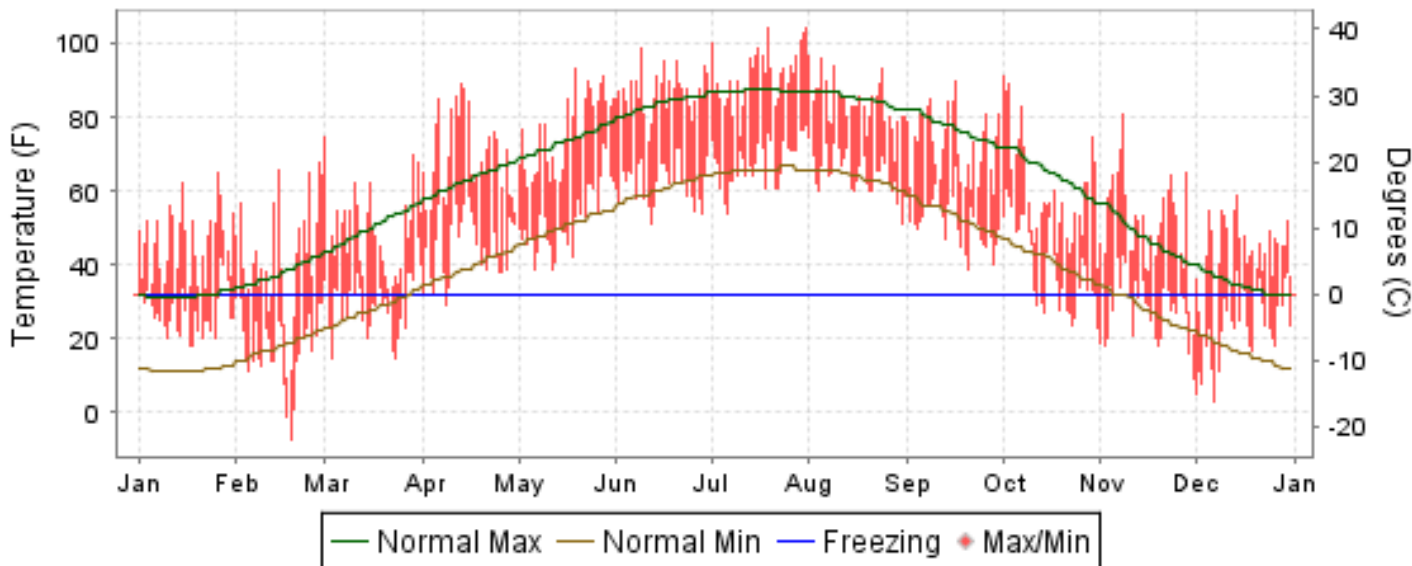


2006 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

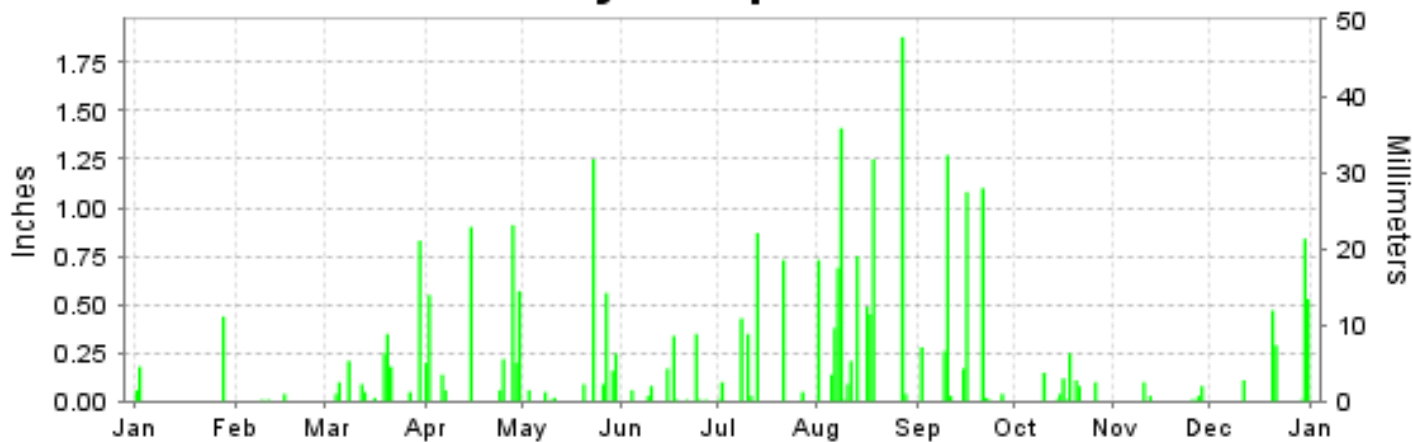
ISSN 0198-3172

OMAHA, NEBRASKA (KOMA)

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 2006

OMAHA (KOMA)

LATITUDE: 41° 18'N LONGITUDE: -95° 53'W ELEVATION (FT): GRND: 982 BARO: 1028 TIME ZONE: CENTRAL (UTC -6) WBAN: 14942

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|--|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 46.4 | 41.7 | 49.2 | 68.6 | 75.8 | 86.9 | 91.5 | 83.9 | 72.9 | 60.2 | 51.5 | 43.2 | 64.3 | |
| | HIGHEST DAILY MAXIMUM | 65 | 68 | 75 | 89 | 93 | 99 | 104 | 97 | 90 | 91 | 81 | 59 | 104 | |
| | DATE OF OCCURRENCE | 26 | 27 | 01 | 13 | 19 | 09 | 31+ | 01 | 16 | 01 | 08 | 14 | JUL 31+ | |
| | MEAN DAILY MINIMUM | 27.0 | 17.7 | 29.5 | 45.2 | 52.7 | 62.4 | 68.1 | 65.0 | 51.7 | 39.7 | 28.1 | 23.2 | 42.5 | |
| | LOWEST DAILY MINIMUM | 18 | -7 | 15 | 29 | 39 | 51 | 54 | 51 | 39 | 23 | 9 | 3 | -7 | |
| | DATE OF OCCURRENCE | 18+ | 18 | 03+ | 08 | 12+ | 12 | 06 | 30 | 20 | 31 | 30 | 07 | FEB 18 | |
| | AVERAGE DRY BULB | 36.7 | 29.7 | 39.4 | 56.9 | 64.3 | 74.7 | 79.8 | 74.5 | 62.3 | 50.0 | 39.8 | 33.2 | 53.4 | |
| | MEAN WET BULB | 32.5 | 24.4 | 35.0 | 49.4 | 55.8 | 64.5 | 69.7 | 68.6 | 56.1 | 44.4 | 35.0 | 29.5 | 47.1 | |
| | MEAN DEW POINT | 26.6 | 15.6 | 28.9 | 41.9 | 48.7 | 58.0 | 64.6 | 65.6 | 51.4 | 38.3 | 28.9 | 23.1 | 41.0 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 3 | 9 | 19 | 5 | 1 | 1 | 0 | 0 | 38 | |
| | MAXIMUM <= 32° | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 12 | |
| MINIMUM <= 32° | 26 | 28 | 19 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 21 | 25 | 132 | | |
| MINIMUM <= 0° | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | | |
| H/C | HEATING DEGREE DAYS | 871 | 983 | 788 | 270 | 126 | 0 | 0 | 0 | 123 | 490 | 746 | 978 | 5375 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 36 | 109 | 296 | 448 | 302 | 48 | 29 | 0 | 0 | 1268 | |
| RH | MEAN (PERCENT) | 72 | 60 | 70 | 62 | 60 | 59 | 63 | 76 | 72 | 68 | 70 | 69 | 67 | |
| | HOUR 00 LST | 76 | 67 | 75 | 68 | 69 | 72 | 72 | 84 | 83 | 75 | 77 | 73 | 74 | |
| | HOUR 06 LST | 81 | 75 | 83 | 78 | 79 | 80 | 84 | 91 | 86 | 79 | 82 | 77 | 81 | |
| | HOUR 12 LST | 67 | 51 | 64 | 55 | 50 | 46 | 49 | 64 | 58 | 58 | 58 | 61 | 57 | |
| | HOUR 18 LST | 64 | 48 | 58 | 50 | 43 | 40 | 48 | 63 | 60 | 61 | 62 | 65 | 55 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 2 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 3 | 0 | 3 | 4 | 17 | |
| | THUNDERSTORMS | 1 | 0 | 3 | 6 | 8 | 5 | 5 | 10 | 3 | 1 | 1 | 0 | 43 | |
| 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.) | 28.89 | 29.07 | 28.85 | 28.82 | 28.87 | 28.94 | 28.92 | 28.95 | 28.92 | 28.94 | 29.01 | 29.06 | 28.94 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.96 | 30.16 | 29.84 | 29.85 | 29.91 | 29.96 | 29.94 | 29.98 | 29.96 | 29.99 | 30.08 | 30.14 | 29.98 | |
| WINDS | RESULTANT SPEED (MPH) | 1.2 | 3.2 | 2.0 | 2.2 | 2.0 | 3.0 | 3.5 | 3.1 | 1.2 | 1.4 | 0.7 | 1.0 | 0.4 | |
| | RES. DIR. (TENS OF DEGS.) | 28 | 33 | 07 | 16 | 30 | 15 | 17 | 14 | 22 | 31 | 35 | 29 | 19 | |
| | MEAN SPEED (MPH) | 11.1 | 9.9 | 12.1 | 11.5 | 11.3 | 9.1 | 8.6 | 8.6 | 8.8 | 9.8 | 9.0 | 9.0 | 9.9 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 17 | 35 | 15 | 17 | 33 | 16 | 16 | 16 | 15 | 16 | 16 | 16 | 17 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 39 | 29 | 43 | 40 | 32 | 37 | 41 | 32 | 48 | 37 | 31 | 35 | 48 | |
| | DIR. (TENS OF DEGS.) | 32 | 35 | 25 | 19 | 16 | 17 | 25 | 35 | 27 | 32 | 01 | 35 | 27 | |
| | DATE OF OCCURRENCE | 24 | 24 | 30 | 06 | 28 | 15 | 13 | 10 | 16 | 30 | 10 | 06 | SEP 16 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 48 | 35 | 52 | 48 | 39 | 44 | 51 | 38 | 60 | 47 | 38 | 45 | 60 | |
| DIR. (TENS OF DEGS.) | 32 | 35 | 26 | 18 | 19 | 18 | 24 | 33 | 28 | 30 | 35 | 33 | 28 | | |
| DATE OF OCCURRENCE | 24 | 24 | 30 | 06 | 27 | 15 | 13 | 10 | 16 | 30 | 29 | 06 | SEP 16 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.68 | 0.06 | 2.17 | 3.81 | 2.54 | 1.07 | 2.57 | 8.52 | 4.26 | 0.87 | 0.26 | 2.25 | 29.06 | |
| | GREATEST 24-HOUR (IN.) | 0.44 | 0.04 | 0.83 | 0.94 | 1.25 | 0.36 | 0.87 | 1.91 | 1.27 | 0.25 | 0.11 | 1.01 | 1.91 | |
| | DATE OF OCCURRENCE | 28 | 16 | 30 | 28-29 | 23 | 24-25 | 13 | 27-28 | 10 | 18 | 27-28 | 30-31 | AUG 27-28 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 3 | 3 | 11 | 10 | 10 | 10 | 8 | 14 | 10 | 9 | 6 | 6 | 100 | |
| PRECIPITATION 0.10 | 2 | 0 | 6 | 8 | 4 | 3 | 5 | 11 | 6 | 5 | 1 | 5 | 56 | | |
| PRECIPITATION 1.00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 7 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | T | 1.2 | 9.4 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 2.6 | 13.2 | |
| | GREATEST 24-HOUR (IN.) | T | 0.9 | 4.2 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 2.6 | 4.2 | |
| | DATE OF OCCURRENCE | 23+ | 16 | 20 | 11+ | | | | | | 22+ | 26 | 31 | MAR 20 | |
| | MAXIMUM SNOW DEPTH (IN.) | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | T | 7 | |
| | DATE OF OCCURRENCE | | 19+ | 22+ | | | | | | | | | 31 | MAR 22+ | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | | |

PRECIPITATION (inches) 2006 OMAHA (KOMA)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|-------|-------|------|------|------|------|--------|
| 1977 | 0.93 | 0.38 | 3.72 | 3.28 | 6.05 | 2.40 | 4.69 | 8.63 | 5.05 | 4.38 | 2.90 | 0.35 | 42.76 |
| 1978 | 0.15 | 0.76 | 1.04 | 4.61 | 5.05 | 2.19 | 5.89 | 3.87 | 6.01 | 0.96 | 1.09 | 0.50 | 32.12 |
| 1979 | 1.11 | 0.30 | 4.59 | 2.58 | 2.84 | | | 2.07 | 3.36 | 3.12 | 1.23 | 0.14 | |
| 1980 | 0.93 | 0.52 | 1.40 | 1.72 | 2.50 | 8.99 | 3.63 | 6.98 | 0.82 | 2.70 | 0.11 | 0.04 | 30.34 |
| 1981 | 0.20 | 0.09 | 0.88 | 1.33 | 4.13 | 2.14 | 1.87 | 4.80 | 1.51 | 1.92 | 2.60 | 0.86 | 22.33 |
| 1982 | 1.83 | 0.26 | 1.90 | 1.22 | 9.92 | 4.16 | 2.46 | 3.21 | 2.27 | 1.10 | 1.81 | 1.17 | 31.31 |
| 1983 | 0.86 | 0.68 | 3.65 | 1.00 | 2.81 | 6.52 | 0.39 | 1.24 | 2.45 | 2.16 | 4.70 | 0.63 | 27.09 |
| 1984 | 0.38 | 0.62 | 2.32 | 4.77 | 4.92 | 5.56 | 1.58 | 0.61 | 2.55 | 3.87 | 0.52 | 5.42 | 33.12 |
| 1985 | 0.56 | 1.88 | 1.36 | 3.16 | 2.46 | 1.73 | 3.27 | 1.50 | 2.71 | 1.36 | 0.85 | 0.37 | 21.21 |
| 1986 | T | 1.00 | 2.51 | 4.96 | 4.88 | 2.37 | 2.77 | 3.86 | 8.11 | 4.86 | 0.99 | 0.89 | 37.20 |
| 1987 | 0.08 | 0.55 | 4.14 | 2.24 | 8.64 | 3.29 | 6.72 | 10.16 | 1.56 | 1.33 | 1.60 | 1.01 | 41.32 |
| 1988 | 0.42 | 0.18 | 0.14 | 1.57 | 4.68 | 1.60 | 2.68 | 1.78 | 2.63 | 0.14 | 2.55 | 0.95 | 19.32 |
| 1989 | 1.10 | 0.86 | 0.40 | 1.80 | 0.83 | 5.05 | 3.06 | 1.80 | 6.46 | 1.55 | 0.15 | 0.74 | 23.80 |
| 1990 | 0.59 | 0.34 | 4.01 | 0.36 | 5.08 | 3.88 | 6.36 | 0.81 | 0.81 | 1.71 | 1.15 | 1.18 | 26.28 |
| 1991 | 1.08 | 0.26 | 2.85 | 4.46 | 4.07 | 7.79 | 2.96 | 3.67 | 1.37 | 3.76 | 3.51 | 1.75 | 37.53 |
| 1992 | 1.41 | 1.18 | 3.08 | 3.19 | 2.27 | 1.44 | 7.31 | 1.57 | 6.86 | 2.22 | 3.01 | 1.15 | 34.69 |
| 1993 | 1.42 | 0.93 | 2.67 | 2.26 | 4.90 | 8.03 | 10.34 | 7.53 | 2.29 | 1.18 | 0.66 | 0.51 | 42.72 |
| 1994 | 0.50 | 1.01 | 0.15 | 1.46 | 1.73 | 8.54 | 3.60 | 1.97 | 3.32 | 1.37 | 1.64 | 1.21 | 26.50 |
| 1995 | 0.80 | 0.47 | 2.50 | 4.26 | 7.07 | 1.28 | 3.14 | 2.52 | 2.75 | | | | |
| 1996 | | | 0.83 | 2.36 | 7.57 | 2.96 | 2.39 | 2.19 | 4.90 | 1.64 | 2.46 | .32 | |
| 1997 | 0.29 | 0.69 | 1.08 | 3.66 | 1.54 | 4.51 | 4.69 | 1.33 | 4.30 | 5.25 | 2.30 | 0.57 | 30.21 |
| 1998 | 1.13 | 1.27 | 4.13 | 3.53 | 4.71 | 8.23 | 7.77 | 3.85 | 0.85 | 2.65 | 1.48 | 0.13 | 39.73 |
| 1999 | 0.59 | 1.40 | 1.31 | 8.48 | 4.50 | 3.75 | 3.07 | 12.26 | 1.64 | 0.03 | 1.11 | 0.57 | 38.71 |
| 2000 | 0.17 | 1.95 | 0.81 | 2.85 | 2.69 | 5.52 | 5.03 | 1.30 | 0.64 | 1.93 | 3.27 | 0.95 | 27.11 |
| 2001 | 1.61 | 1.53 | 1.38 | 2.37 | 8.78 | 2.29 | 2.06 | 1.95 | 2.39 | 2.10 | 1.55 | 0.67 | 28.68 |
| 2002 | 0.37 | 0.30 | 0.84 | 3.35 | 4.14 | 2.08 | 2.70 | 8.05 | 0.90 | 3.18 | 0.13 | T | 26.04 |
| 2003 | 0.34 | 1.32 | 0.50 | 3.66 | 4.37 | 3.25 | 2.49 | 0.74 | 1.41 | 1.43 | 2.91 | 0.84 | 23.26 |
| 2004 | 1.25 | 1.31 | 4.49 | 0.97 | 8.21 | 2.70 | 6.83 | 3.77 | 1.66 | 0.26 | 2.02 | 0.34 | 33.81 |
| 2005 | 0.52 | 1.90 | 0.98 | 2.63 | 4.60 | 2.69 | 1.93 | 4.66 | 0.92 | 0.75 | 1.04 | 0.81 | 23.43 |
| 2006 | 0.68 | 0.06 | 2.17 | 3.81 | 2.54 | 1.07 | 2.57 | 8.52 | 4.26 | 0.87 | 0.26 | 2.25 | 29.06 |
| POR= 58 YRS | 0.79 | 0.93 | 1.90 | 2.88 | 4.43 | 3.99 | 3.78 | 3.92 | 3.14 | 2.05 | 1.52 | 0.86 | 30.19 |

WBAN : 14942

AVERAGE TEMPERATURE (°F) 2006 OMAHA (KOMA)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1977 | 13.3 | 33.2 | 41.6 | 59.0 | 70.2 | 75.1 | 80.6 | 72.5 | 67.4 | 53.1 | 39.7 | 26.2 | 52.7 |
| 1978 | 12.0 | 15.7 | 35.7 | 52.6 | 61.7 | 73.7 | 77.3 | 75.5 | 71.1 | 53.7 | 39.6 | 24.4 | 49.4 |
| 1979 | 10.7 | 17.3 | 39.8 | 50.0 | 61.8 | 72.7 | 76.0 | 75.7 | 66.7 | | 35.8 | 30.3 | |
| 1980 | 22.4 | 20.3 | 32.9 | 50.7 | 61.6 | 73.1 | 79.6 | 76.6 | 64.7 | 49.0 | 40.3 | 26.1 | 49.8 |
| 1981 | 24.1 | 28.4 | 40.8 | 57.4 | 58.6 | 72.6 | 76.6 | 71.0 | 64.8 | 50.2 | 40.6 | 22.9 | 50.7 |
| 1982 | 9.4 | 22.6 | 34.8 | 47.7 | 62.9 | 65.5 | 77.1 | 72.6 | 64.7 | 55.0 | 37.1 | 28.3 | 48.1 |
| 1983 | 24.9 | 30.1 | 37.3 | 43.5 | 56.5 | 69.6 | 79.4 | 81.5 | 67.0 | 52.2 | 38.5 | 7.3 | 49.0 |
| 1984 | 19.6 | 33.2 | 30.3 | 46.6 | 57.7 | 71.8 | 75.1 | 76.5 | 61.9 | 52.2 | 39.4 | 27.1 | 49.3 |
| 1985 | 19.1 | 23.6 | 43.4 | 54.9 | 63.4 | 67.2 | 74.1 | 69.4 | 62.1 | 52.7 | 28.5 | 16.4 | 47.9 |
| 1986 | 29.4 | 22.8 | 42.8 | 51.9 | 61.3 | 73.9 | 77.9 | 70.1 | 67.9 | 53.7 | 34.4 | 29.4 | 51.3 |
| 1987 | 28.6 | 36.8 | 42.8 | 55.3 | 67.3 | 74.2 | 77.8 | 70.9 | 64.8 | 48.3 | 43.4 | 30.9 | 53.4 |
| 1988 | 21.1 | 23.9 | 40.7 | 50.5 | 67.3 | 76.3 | 76.4 | 77.3 | 66.2 | 49.1 | 40.0 | 29.5 | 51.5 |
| 1989 | 32.4 | 16.0 | 37.9 | 54.6 | 62.4 | 69.4 | 77.4 | 74.4 | 63.0 | 53.9 | 36.2 | 17.7 | 49.6 |
| 1990 | 33.5 | 31.3 | 42.7 | 50.8 | 58.5 | 73.5 | 74.8 | 75.3 | 69.0 | 53.3 | 42.9 | 21.2 | 52.2 |
| 1991 | 16.3 | 34.2 | 42.5 | 54.2 | 67.3 | 74.6 | 75.8 | 74.3 | 66.0 | 52.1 | 30.6 | 31.8 | 51.6 |
| 1992 | 32.6 | 36.7 | 43.6 | 50.0 | 61.8 | 69.4 | 71.1 | 68.4 | 64.0 | 53.5 | 35.4 | 27.9 | 51.2 |
| 1993 | 19.5 | 22.2 | 35.6 | 47.7 | 61.4 | 70.0 | 75.1 | 75.2 | 59.7 | 50.9 | 35.0 | 29.4 | 48.5 |
| 1994 | 18.1 | 22.9 | 42.1 | 51.3 | 64.5 | 74.1 | 73.2 | 72.6 | 67.1 | 55.3 | 41.4 | 28.7 | 50.9 |
| 1995 | 23.0 | 31.5 | 39.3 | 47.9 | 58.1 | 71.8 | 78.7 | 79.6 | | | | | |
| 1996 | | | 33.0 | 49.2 | 59.4 | 72.8 | 73.4 | 72.8 | 63.1 | 54.0 | 32.9 | 22.2 | |
| 1997 | 19.0 | 29.5 | 41.6 | 45.7 | 58.0 | 73.4 | 77.2 | 73.4 | 66.5 | 54.0 | 35.3 | 29.9 | 50.3 |
| 1998 | 25.8 | 36.0 | 32.5 | 52.0 | 66.5 | 69.6 | 76.8 | 75.6 | 71.6 | 55.8 | 43.6 | 30.9 | 53.1 |
| 1999 | 22.6 | 35.5 | 39.5 | 51.6 | 62.3 | 70.8 | 80.4 | 72.8 | 63.8 | 53.3 | 47.0 | 31.0 | 52.6 |
| 2000 | 27.1 | 36.2 | 44.6 | 51.9 | 66.0 | 70.5 | 75.1 | 77.1 | 67.8 | 57.5 | 33.4 | 15.6 | 51.9 |
| 2001 | 26.6 | 21.4 | 35.0 | 55.5 | 63.5 | 71.6 | 79.0 | 75.7 | 65.0 | 53.5 | 49.4 | 32.0 | 52.4 |
| 2002 | 30.3 | 32.1 | 33.0 | 52.4 | 59.6 | 77.3 | 81.1 | 74.9 | 68.2 | 47.5 | 37.6 | 32.1 | 52.2 |
| 2003 | 22.8 | 23.7 | 39.6 | 53.4 | 59.6 | 69.1 | 78.4 | 78.0 | 63.4 | 55.4 | 37.9 | 30.2 | 51.0 |
| 2004 | 21.1 | 24.9 | 43.5 | 54.0 | 63.9 | 68.7 | 73.1 | 70.0 | 70.4 | 54.8 | 42.1 | 30.4 | 51.4 |
| 2005 | 20.9 | 32.9 | 40.7 | 55.5 | 61.8 | 75.6 | 79.7 | 75.0 | 71.1 | 55.0 | 42.6 | 24.4 | 52.9 |
| 2006 | 36.7 | 29.7 | 39.4 | 56.9 | 64.3 | 74.7 | 79.8 | 74.5 | 62.3 | 50.0 | 39.8 | 33.2 | 53.4 |
| POR= 58 YRS | 21.9 | 27.7 | 37.9 | 51.9 | 62.7 | 72.4 | 77.1 | 74.7 | 65.6 | 53.9 | 39.1 | 26.9 | 51.0 |

HEATING DEGREE DAYS (base 65°F) 2006 OMAHA (KOMA)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1977-78 | 0 | 1 | 28 | 361 | 754 | 1196 | 1637 | 1375 | 910 | 372 | 160 | 17 | 6811 |
| 1978-79 | 0 | 0 | 39 | 350 | 754 | 1255 | 1676 | 1333 | 775 | 451 | 156 | 12 | 6801 |
| 1979-80 | 1 | 6 | 65 | | 867 | 1070 | 1318 | 1290 | 987 | 440 | 158 | 4 | |
| 1980-81 | 0 | 3 | 108 | 491 | 735 | 1198 | 1259 | 1018 | 743 | 241 | 221 | 0 | 6017 |
| 1981-82 | 7 | 3 | 85 | 452 | 723 | 1299 | 1721 | 1183 | 930 | 518 | 102 | 56 | 7079 |
| 1982-83 | 0 | 13 | 115 | 315 | 829 | 1131 | 1240 | 971 | 854 | 638 | 278 | 37 | 6421 |
| 1983-84 | 0 | 0 | 102 | 405 | 789 | 1786 | 1401 | 916 | 1071 | 552 | 243 | 7 | 7272 |
| 1984-85 | 0 | 3 | 184 | 391 | 766 | 1166 | 1416 | 1153 | 666 | 325 | 88 | 45 | 6203 |
| 1985-86 | 0 | 13 | 217 | 378 | 1089 | 1501 | 1095 | 1176 | 689 | 389 | 134 | 1 | 6682 |
| 1986-87 | 0 | 15 | 40 | 338 | 913 | 1096 | 1122 | 784 | 685 | 322 | 67 | 7 | 5389 |
| 1987-88 | 1 | 32 | 67 | 512 | 639 | 1048 | 1353 | 1185 | 748 | 433 | 29 | 6 | 6053 |
| 1988-89 | 1 | 7 | 56 | 488 | 744 | 1095 | 1002 | 1368 | 844 | 380 | 143 | 23 | 6151 |
| 1989-90 | 0 | 7 | 140 | 356 | 855 | 1460 | 973 | 935 | 684 | 460 | 206 | 15 | 6091 |
| 1990-91 | 4 | 1 | 75 | 371 | 662 | 1350 | 1506 | 859 | 695 | 338 | 108 | 0 | 5969 |
| 1991-92 | 0 | 0 | 123 | 402 | 1027 | 1022 | 999 | 816 | 656 | 449 | 154 | 11 | 5659 |
| 1992-93 | 2 | 26 | 114 | 359 | 881 | 1141 | 1403 | 1192 | 904 | 514 | 140 | 34 | 6710 |
| 1993-94 | 0 | 1 | 171 | 448 | 895 | 1097 | 1448 | 1174 | 702 | 432 | 120 | 8 | 6496 |
| 1994-95 | 0 | 5 | 83 | 302 | 698 | 1116 | 1296 | 931 | 791 | 507 | 213 | 21 | 5963 |
| 1995-96 | 1 | 0 | | | | | | | 981 | 471 | 211 | 22 | |
| 1996-97 | 0 | 0 | 130 | 347 | 956 | 1321 | 1417 | 986 | 719 | 572 | 226 | 0 | 6674 |
| 1997-98 | 1 | 7 | 57 | 399 | 884 | 1082 | 1207 | 806 | 1000 | 390 | 52 | 58 | 5943 |
| 1998-99 | 0 | 0 | 22 | 287 | 634 | 1050 | 1307 | 818 | 781 | 396 | 122 | 27 | 5444 |
| 1999-00 | 0 | 2 | 112 | 366 | 535 | 1047 | 1168 | 828 | 625 | 391 | 72 | 16 | 5162 |
| 2000-01 | 0 | 1 | 87 | 242 | 940 | 1526 | 1185 | 1214 | 925 | 301 | 120 | 20 | 6561 |
| 2001-02 | 0 | 0 | 87 | 360 | 462 | 1014 | 1072 | 915 | 985 | 400 | 221 | 0 | 5516 |
| 2002-03 | 0 | 5 | 69 | 546 | 816 | 1013 | 1299 | 1149 | 781 | 369 | 183 | 35 | 6265 |
| 2003-04 | 0 | 0 | 128 | 315 | 807 | 1070 | 1357 | 1156 | 659 | 339 | 124 | 30 | 5985 |
| 2004-05 | 5 | 28 | 24 | 318 | 679 | 1065 | 1359 | 892 | 749 | 297 | 160 | 0 | 5576 |
| 2005-06 | 1 | 0 | 30 | 357 | 666 | 1249 | 871 | 983 | 788 | 270 | 126 | 0 | 5341 |
| 2006- | 0 | 0 | 123 | 490 | 746 | 978 | | | | | | | |

WBAN : 14942

COOLING DEGREE DAYS (base 65°F) 2006 OMAHA (KOMA)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1977 | 0 | 0 | 0 | 45 | 179 | 310 | 489 | 236 | 105 | 0 | 0 | 0 | 1364 |
| 1978 | 0 | 0 | 7 | 5 | 67 | 287 | 386 | 333 | 231 | 5 | 0 | 0 | 1321 |
| 1979 | 0 | 0 | 0 | 8 | 64 | 249 | 344 | 345 | 122 | | 0 | 0 | |
| 1980 | 0 | 0 | 0 | 15 | 61 | 254 | 459 | 368 | 107 | 0 | 0 | 0 | 1264 |
| 1981 | 0 | 0 | 0 | 24 | 29 | 235 | 372 | 196 | 85 | 0 | 0 | 0 | 941 |
| 1982 | 0 | 0 | 0 | 5 | 43 | 78 | 383 | 252 | 113 | 12 | 0 | 0 | 886 |
| 1983 | 0 | 0 | 0 | 0 | 20 | 183 | 453 | 519 | 167 | 17 | 0 | 0 | 1359 |
| 1984 | 0 | 0 | 0 | 6 | 22 | 220 | 320 | 366 | 96 | 4 | 0 | 0 | 1034 |
| 1985 | 0 | 0 | 0 | 30 | 44 | 116 | 290 | 156 | 137 | 1 | 0 | 0 | 774 |
| 1986 | 0 | 0 | 10 | 5 | 26 | 276 | 408 | 181 | 133 | 0 | 0 | 0 | 1039 |
| 1987 | 0 | 0 | 0 | 39 | 145 | 292 | 407 | 221 | 69 | 2 | 1 | 0 | 1176 |
| 1988 | 0 | 0 | 0 | 5 | 109 | 351 | 364 | 394 | 99 | 3 | 0 | 0 | 1325 |
| 1989 | 0 | 0 | 10 | 77 | 68 | 159 | 395 | 306 | 89 | 19 | 0 | 0 | 1123 |
| 1990 | 0 | 0 | 0 | 41 | 9 | 277 | 316 | 327 | 199 | 12 | 4 | 0 | 1185 |
| 1991 | 0 | 0 | 5 | 21 | 184 | 295 | 345 | 295 | 161 | 9 | 0 | 0 | 1315 |
| 1992 | 0 | 0 | 0 | 7 | 63 | 150 | 198 | 136 | 90 | 11 | 0 | 0 | 655 |
| 1993 | 0 | 0 | 0 | 0 | 35 | 188 | 322 | 324 | 21 | 19 | 0 | 0 | 909 |
| 1994 | 0 | 0 | 0 | 28 | 108 | 287 | 262 | 248 | 151 | 9 | 0 | 0 | 1093 |
| 1995 | 0 | 0 | 0 | 0 | 8 | 230 | 431 | 458 | | | | | |
| 1996 | 0 | 0 | 0 | 8 | 46 | 264 | 266 | 250 | 79 | 14 | 0 | 0 | |
| 1997 | 0 | 0 | 0 | 0 | 18 | 260 | 388 | 273 | 110 | 62 | 0 | 0 | 1111 |
| 1998 | 0 | 0 | 1 | 6 | 108 | 205 | 373 | 336 | 227 | 9 | 0 | 0 | 1265 |
| 1999 | 0 | 0 | 0 | 0 | 43 | 208 | 484 | 248 | 84 | 12 | 0 | 0 | 1079 |
| 2000 | 0 | 0 | 0 | 2 | 110 | 188 | 317 | 385 | 179 | 18 | 0 | 0 | 1199 |
| 2001 | 0 | 0 | 0 | 27 | 80 | 225 | 439 | 342 | 93 | 10 | 1 | 0 | 1217 |
| 2002 | 0 | 0 | 0 | 27 | 62 | 377 | 507 | 322 | 170 | 8 | 0 | 0 | 1473 |
| 2003 | 0 | 0 | 0 | 29 | 24 | 166 | 421 | 410 | 85 | 20 | 0 | 0 | 1155 |
| 2004 | 0 | 0 | 0 | 20 | 100 | 147 | 264 | 190 | 191 | 10 | 0 | 0 | 922 |
| 2005 | 0 | 0 | 1 | 20 | 67 | 324 | 466 | 319 | 220 | 52 | 0 | 0 | 1469 |
| 2006 | 0 | 0 | 0 | 36 | 109 | 296 | 448 | 302 | 48 | 29 | 0 | 0 | 1268 |

SNOWFALL (inches) 2006 OMAHA (KOMA)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-------|
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.0 | 1.4 | 17.0 | 6.5 | T | 0.0 | 0.0 | 28.9 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 5.6 | 10.0 | 1.4 | 6.0 | 1.1 | 0.0 | 0.0 | 26.1 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 2.0 | T | 1.3 | 5.0 | 3.0 | 9.2 | T | 0.0 | 0.0 | 20.5 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 2.0 | T | 0.5 | 3.6 | 3.0 | T | 0.0 | 0.0 | 0.0 | 9.1 |
| 1981-82 | 0.0 | 0.0 | 0.0 | T | 1.0 | 7.0 | 2.4 | 3.0 | 8.0 | 2.9 | 0.0 | 0.0 | 24.3 |
| 1982-83 | 0.0 | 0.0 | 0.0 | T | T | 4.0 | 6.5 | 9.0 | 9.0 | 3.0 | 0.0 | 0.0 | 31.5 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 13.5 | 3.3 | 2.0 | 14.2 | T | 0.0 | 0.0 | 39.9 |
| 1984-85 | 0.0 | 0.0 | 0.0 | T | T | 5.0 | 4.0 | 4.0 | 6.0 | T | 0.0 | 0.0 | 19.0 |
| 1985-86 | 0.0 | 0.0 | T | 0.0 | 5.0 | 4.5 | T | 7.7 | T | 0.3 | 0.0 | 0.0 | 17.5 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 5.5 | 1.2 | 1.6 | 10.5 | T | 0.0 | 0.0 | 20.6 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 9.0 | 2.0 | 2.0 | 2.2 | 0.8 | 0.0 | 0.0 | 0.0 | 16.0 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 2.7 | 1.4 | 11.8 | 3.3 | T | T | 0.0 | 23.5 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | 1.2 | 5.3 | 5.2 | 4.0 | 6.7 | 0.1 | 0.0 | T | 22.5 |
| 1990-91 | 0.0 | 0.0 | 0.0 | T | 1.1 | 10.1 | 14.9 | 0.3 | 4.1 | 1.1 | 0.0 | T | 31.6 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 2.5 | 8.8 | T | 0.3 | 1.1 | 0.4 | 10.0 | 0.0 | 0.0 | 23.1 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 3.9 | 13.0 | 8.5 | 4.1 | 1.5 | 0.0 | T | 36.8 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 2.8 | 3.1 | 3.5 | 8.8 | 1.4 | 1.2 | 0.0 | T | 20.8 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 12.1 | 5.5 | 3.0 | 4.8 | 0.4 | T | 0.0 | 27.8 |
| 1995-96 | T | 0.0 | 0.0 | | | | | | | | | | |
| 1996-97 | | | | | | 6.2 | | | T | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | 4.0 | 6.0 | 12.2 | 5.8 | 0.4 | 0.0 | 0.0 | |
| 1999-00 | | | | | T | 4.1 | 1.6 | 7.7 | T | T | 0.0 | T | |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 18.1 | 6.9 | 10.4 | 0.7 | T | T | T | 38.8 |
| 2001-02 | 0.0 | 0.0 | 0.0 | T | T | 1.8 | 6.6 | 2.2 | 11.1 | T | T | 0.0 | 21.7 |
| 2002-03 | T | T | 0.0 | 1.6 | 1.5 | T | 7.5 | 12.2 | 3.9 | 4.9 | T | 0.0 | 31.6 |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 6.8 | 19.8 | 17.7 | 3.2 | 0.0 | T | 0.0 | 47.8 |
| 2004-05 | T | T | 0.0 | 0.0 | 2.4 | T | 14.6 | 4.4 | T | 0.0 | T | T | 21.4 |
| 2005-06 | 0.0 | T | T | 0.0 | 4.1 | 5.4 | T | 1.2 | 9.4 | T | 0.0 | 0.0 | 20.1 |
| 2006- | 0.0 | 0.0 | 0.0 | T | T | 2.6 | | | | | | | |
| POR= 55 YRS | T | T | T | 0.3 | 2.6 | 5.5 | 7.1 | 6.4 | 6.2 | 0.9 | T | T | 29.0 |

WBAN : 14942

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> |
|---|--|

2006
OMAHA (EPPLEY AIRFIELD)
NEBRASKA (KOMA)

Omaha, Nebraska, is situated on the west bank of the Missouri River. The river level at Omaha is normally about 965 feet above sea level and the rolling hills in and around Omaha rise to about 1,300 feet above sea level. The climate is typically continental with relatively warm summers and cold, dry winters. It is situated midway between two distinctive climatic zones, the humid east and the dry west. Fluctuations between these two zones produce weather conditions for periods that are characteristic of either zone, or combinations of both. Omaha is also affected by most low pressure systems that cross the country. This causes periodic and rapid changes in weather, especially during the winter months.

Most of the precipitation in Omaha falls during sharp showers or thunderstorms, and these occur mostly during the growing season from April to September. Of the total precipitation, about 75 percent falls during this six-month period. The rain occurs mostly as evening or nighttime showers and thunderstorms. Although winters are relatively cold, precipitation is light, with only 10 percent of the total annual precipitation falling during the winter months.

Sunshine is fairly abundant, ranging around 50 percent of the possible in the winter to 75 percent of the possible in the summer.

Station Location

OMAHA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | Latitude | | 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 | HYGROTHERMOMETER | | |
| *NOTE: | | | | | | | | | | | | | | | | |
| AIRPORT | | | | | | | | | | | | | | | | |
| FAA Air Cargo Building+ Eppley Airfield | 6/1/77 | 02/22/96 | app.1 SSW mi. | 41° 18' | 95° 54' | 977 | j20 | m5 n5 | n5 | | j3 p | 4 n4 | j4 k4 nUN qUN | FAA operation. j. Not moved 6/1/77. k. Type change 9/22/79. m. Installed 4/1983. Station type changed from FAA to FCWOS 6/1/86. n. Minor move 7/18/86. p. Removed 7/18/86. q. Type change 7/18/86. | | |
| + General Aviation Bldg., eff. 8/1/86. | | | | | | | | | | | | | | | | |
| Eppley Airfield | 02/22/96 | Present | NA | 41° 19' | 95° 54' | r1025 | | | | | | | s | ASOS Commissioned 02/22/96 r. Ground elevation. | | |

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* NOTES: For earlier station history see previous editions.