



APRIL 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

DUBUQUE, IA

MUNICIPAL AIRPORT (DBQ)

Lat: 42°23' N Long: 90°42' W Elev (Ground): 1069 Feet

Time Zone: CENTRAL WBAN: 94908 ISSN #:0198-2087

| DATE | TEMPERATURE °F | | | | | | DEG DAYS BASE 65° | | WEATHER | SNOW/ICE ON GND (IN) | | PRECIPITATION (INCHES) | | PRESSURE (INCHES OF HG) | | WIND SPEED = MPH DIR = TENS OF DEGREES | | | | | | | | DATE | | | | |
|--------------------------------|----------------|---------|---------|--------------------|-------------------|---------------------|----------------------|---------|--|-------------------------|-------------|---------------------------|-----------------------------------|------------------------------|-------------------------|--|---------|------------------|--------------------------------|---------------------|-------|-----|----|-------------------------|--|--|--|--|
| | MAXIMUM | MINIMUM | AVERAGE | DEP FROM NORMAL | AVERAGE DEW PT | AVERAGE WET BULB | HEATING | COOLING | | 0600 LST | 1200 LST | 2400 LST | 2400 LST | AVERAGE STATION | AVERAGE SEA LEVEL | RESULTANT SPEED | RES DIR | AVERAGE SPEED | MAXIMUM | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 5-SEC | | 2-MIN | | | | | | | |
| | | | | | | | | | | | | | | | | | | | SPEED | DIR | SPEED | DIR | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | |
| 01 | 32 | 20 | 26* | -16 | 25 | 27 | 39 | 0 | SN FG+ FZFG BR | | | 1.2 | 0.11 | 28.76 | 29.95 | 5.8 | 09 | 8.0 | 22 | 07 | 17 | 05 | 01 | | | | | |
| 02 | 36 | 30 | 33 | -9 | 29 | 31 | 32 | 0 | RA FZRA SN BR UP HZ | | | T | 0.06 | 28.75 | 29.93 | 11.7 | 32 | 14.1 | 28 | 31 | 24 | 29 | 02 | | | | | |
| 03 | 33 | 25 | 29 | -14 | 20 | 26 | 36 | 0 | SN BR | | | T | T | 29.15 | 30.36 | 11.5 | 30 | 11.8 | 23 | 29 | 20 | 30 | 03 | | | | | |
| 04 | 37 | 23 | 30 | -13 | 18 | 26 | 35 | 0 | | | | 0.0 | 0.00 | 29.27 | 30.48 | 5.1 | 31 | 5.9 | 16 | 34 | 13 | 31 | 04 | | | | | |
| 05 | 48 | 22 | 35 | -8 | 20 | 29 | 30 | 0 | HZ | | | 0.0 | 0.00 | 29.20 | 30.40 | 4.1 | 36 | 5.7 | 26 | 30 | 20 | 33 | 05 | | | | | |
| 06 | 48 | 20* | 34 | -10 | 18 | 30 | 31 | 0 | | | | 0.0 | 0.00 | 29.12 | 30.31 | 10.8 | 15 | 12.1 | 26 | 16 | 23 | 15 | 06 | | | | | |
| 07 | 46 | 37 | 42 | -2 | 39 | 41 | 23 | 0 | RA SN BR | | | 0.0 | 0.87 | 28.73 | 29.90 | 16.8 | 18 | 16.9 | 35 | 19 | 29 | 18 | 07 | | | | | |
| 08 | 48 | 44 | 46 | 1 | 46 | 46 | 19 | 0 | RA FG+ BR | | | 0.0 | 0.92 | 28.67 | 29.83 | 4.6 | 02 | 9.8 | 23 | 01 | 18 | 34 | 08 | | | | | |
| 09 | 55 | 37 | 46 | 1 | 36 | 41 | 19 | 0 | RA BR | | | 0.0 | 0.01 | 29.06 | 30.24 | 5.0 | 34 | 8.5 | 17 | 29 | 12 | 29 | 09 | | | | | |
| 10 | 66 | 37 | 52 | 7 | 42 | 47 | 13 | 0 | BR HZ | | | 0.0 | 0.00 | 29.07 | 30.24 | 15.8 | 17 | 16.0 | 33 | 16 | 28 | 18 | 10 | | | | | |
| 11 | 72 | 51 | 62 | 16 | 47 | 54 | 3 | 0 | RA BR | | | 0.0 | 0.32 | 28.83 | 29.99 | 15.8 | 19 | 16.8 | 31 | 21 | 28 | 20 | 11 | | | | | |
| 12 | 57 | 40 | 49 | 3 | 45 | 47 | 16 | 0 | RA BR | | | 0.0 | T | 28.94 | 30.10 | 6.1 | 32 | 6.9 | 20 | 29 | 17 | 29 | 12 | | | | | |
| 13 | 65 | 33 | 49 | 3 | 43 | 47 | 16 | 0 | FG+ BR HZ | | | 0.0 | 0.00 | 28.94 | 30.11 | 3.8 | 16 | 4.4 | 16 | 14 | 13 | 16 | 13 | | | | | |
| 14 | 76 | 44 | 60 | 13 | 51 | 55 | 5 | 0 | BR HZ | | | 0.0 | 0.00 | 28.59 | 29.73 | 12.6 | 20 | 13.8 | 36 | 20 | 29 | 21 | 14 | | | | | |
| 15 | 85* | 57 | 71 | 24 | 57 | 63 | 0 | 6 | | | | 0.0 | 0.00 | 28.57 | 29.70 | 14.0 | 19 | 14.5 | 32 | 19 | 29 | 19 | 15 | | | | | |
| 16 | 84 | 64 | 74* | 26 | 60 | 65 | 0 | 9 | | | | 0.0 | 0.00 | 28.63 | 29.75 | 20.0 | 19 | 20.6 | 39 | 21 | 32 | 21 | 16 | | | | | |
| 17 | 77 | 62 | 70 | 22 | 46 | 57 | 0 | 5 | | | | 0.0 | 0.00 | 28.82 | 29.95 | 3.7 | 22 | 10.6 | 35 | 20 | 29 | 20 | 17 | | | | | |
| 18 | 81 | 60 | 71 | 23 | 61 | 65 | 0 | 6 | TSRA RA BR SQ | | | 0.0 | 0.55 | | | 13.5 | 20 | 17.0 | 51* | 27 | 40* | 27 | 18 | | | | | |
| 19 | 63 | 50 | 57 | 8 | 47 | 51 | 8 | 0 | | | | 0.0 | 0.00 | 28.88 | 30.03 | 11.0 | 02 | 12.2 | 23 | 02 | 20 | 33 | 19 | | | | | |
| 20 | 53 | 41 | 47 | -2 | 35 | 42 | 18 | 0 | RA | | | 0.0 | 0.04 | 28.97 | 30.13 | 12.8 | 05 | 13.2 | 25 | 07 | 20 | 03 | 20 | | | | | |
| 21 | 41 | 34 | 38 | -12 | 34 | 36 | 27 | 0 | RA SN BR UP | | | T | 0.46 | 28.76 | 29.94 | 11.7 | 05 | 14.7 | 44 | 09 | 35 | 09 | 21 | | | | | |
| 22 | 42 | 33 | 38 | -12 | 30 | 34 | 27 | 0 | SN BR | | | T | T | 28.95 | 30.13 | 4.6 | 34 | 7.6 | 20 | 32 | 16 | 33 | 22 | | | | | |
| 23 | 59 | 34 | 47 | -3 | 40 | 44 | 18 | 0 | HZ | | | 0.0 | 0.00 | 28.89 | 30.07 | 14.9 | 15 | 15.0 | 28 | 14 | 23 | 17 | 23 | | | | | |
| 24 | 63 | 35 | 49 | -1 | 42 | 46 | 16 | 0 | TSRA RA BR | | | 0.0 | 0.20 | 28.75 | 29.90 | 6.1 | 26 | 15.7 | 36 | 30 | 30 | 31 | 24 | | | | | |
| 25 | 52 | 31 | 42 | -9 | 23 | 35 | 23 | 0 | | | | 0.0 | 0.00 | 29.00 | 30.18 | 16.8 | 28 | 17.7 | 44 | 26 | 35 | 27 | 25 | | | | | |
| 26 | 53 | 31 | 42 | -10 | 24 | 35 | 23 | 0 | | | | 0.0 | 0.00 | 29.11 | 30.30 | 3.3 | 03 | 6.4 | 20 | 02 | 16 | 02 | 26 | | | | | |
| 27 | 55 | 37 | 46 | -6 | 37 | 41 | 19 | 0 | RA SN FG BR | | | T | 0.34 | 28.65 | 29.82 | 15.4 | 11 | 16.9 | 32 | 14 | 26 | 14 | 27 | | | | | |
| 28 | 55 | 38 | 47 | -6 | 38 | 41 | 18 | 0 | RA BR | | | 0.0 | 0.12 | 28.63 | 29.79 | 12.0 | 31 | 15.0 | 32 | 33 | 26 | 33 | 28 | | | | | |
| 29 | 63 | 39 | 51 | -2 | 36 | 44 | 14 | 0 | BR HZ | | | 0.0 | 0.00 | 28.78 | 29.95 | 10.1 | 26 | 11.6 | 26 | 28 | 23 | 27 | 29 | | | | | |
| 30 | 60 | 46 | 53 | 0 | 37 | 45 | 12 | 0 | RA | | | 0.0 | T | 28.73 | 29.89 | 0.5 | 17 | 6.6 | 21 | 15 | 13 | 35 | 30 | | | | | |
| < MONTHLY AVERAGES | | | | | | | | | | TOTALS-> | | | 1.2 | 4.00 | | | 2.3 | 20 | 12.2 | <- MONTHLY AVERAGES | | | | | | | | |
| - .6 | | | | | | | | | | 1.0 | 0.2 | | <-----DEPARTURE FROM NORMAL-----> | 0.51 | | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | GREATEST 24-HR PRECIPITATION: 1.00 DATE :07-08 | | | | | SEA LEVEL PRESSURE DATE TIME | | | | | | | | | | | | | | |
| MONTHLY TOTAL DEPARTURE | | | | | | | | | GREATEST 24-HR SNOWFALL: 1.2 DATE :01 | | | | | MAXIMUM : 30.52 04 1055 | | | | | | | | | | | | | | |
| SEASON TO DATE TOTAL DEPARTURE | | | | | | | | | GREATEST SNOW DEPTH: DATE : | | | | | MINIMUM : 29.28 28 0155 | | | | | | | | | | | | | | |
| HEATING: 540 18 6024 -1032 | | | | | | | | | NUMBER OF DAYS WITH ➡ | | | | | MAXIMUM TEMP ≥ 90: 0 | | | | | PRECIPITATION ≥ 0.01 INCH : 12 | | | | | | | | | |
| COOLING: 26 20 26 20 | | | | | | | | | | | | | | MAXIMUM TEMP ≤ 32 : 1 | | | | | PRECIPITATION ≥ 0.10 INCH : 9 | | | | | | | | | |
| | | | | | | | | | | | | | | THUNDERSTORMS : 2 | | | | | HEAVY FOG : 3 | | | | | SNOWFALL ≥ 1.0 INCH : 1 | | | | |

APRIL 2002
DUBUQUE, IA

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

DUBUQUE, IA

APRIL 2002

DBQ

WBAN # 94908

| DATE | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | DATE | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | DATE | Sum if Different (See Note) | 2400 LST | |
|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------------------------|-------------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | Water | Equiv. |
| 01 | | | | | | | | | | | 0.01 | 0.02 | 01 | 0.04 | 0.02 | T | T | | | | | | | | 01 | 0.09 | | 0.11 | |
| 02 | | | | | 0.03 | 0.03 | T | T | | | | | 02 | | | | | | | | | T | T | T | 02 | | | 0.06 | |
| 03 | T | | | | | | | | | | | | 03 | | | | | | | | | | T | | 03 | | | T | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | | | 04 | | | 0.00 | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | | 0.00 | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | 0.43 | 0.00 | | |
| 07 | 0.03 | 0.01 | 0.08 | 0.02 | 0.11 | 0.11 | 0.01 | 0.04 | | | T | | 07 | 0.01 | T | 0.08 | 0.08 | 0.05 | 0.08 | 0.04 | 0.03 | 0.05 | 0.02 | 0.02 | T | | 07 | 0.87 | |
| 08 | | | | 0.01 | | | | | | 0.01 | 0.11 | 0.13 | 08 | 0.08 | 0.08 | 0.10 | 0.12 | 0.10 | 0.10 | 0.04 | 0.03 | 0.01 | T | T | T | | 08 | 0.92 | |
| 09 | 0.01 | | | | | | | | | | | | 09 | | | | | | | | | | | | | | 09 | 0.01 | |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | | | | 10 | 0.00 | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | | 11 | 0.32 | 0.32 | |
| 12 | T | T | | T | | | | | | | | | 12 | | | | | | | | | | | 0.14 | 0.18 | 12 | | T | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | | 13 | | 0.00 | |
| 14 | | | | | | | | | | | | | 14 | | | | | | | | | | | | | 14 | | 0.00 | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | | 15 | | 0.00 | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | | 16 | 0.43 | 0.00 | |
| 17 | | | | | | | | | | | | | 17 | | | | | | | | | | | | | 17 | | 0.00 | |
| 18 | | | | | | | | | | | T | T | 18 | | 0.20 | | | | | | | | | | | 18 | | 0.55 | |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | 0.23 | | | | | 19 | | 0.00 | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | T | T | 0.04 | 20 | 0.04 | | | |
| 21 | 0.01 | 0.03 | 0.10 | 0.08 | 0.02 | T | T | 0.03 | 0.02 | | | T | 21 | 0.09 | 0.03 | 0.01 | T | T | T | 0.02 | T | 0.02 | | | | 21 | | 0.46 | |
| 22 | | | T | T | | | | | | | | | 22 | | | | | | | | | | | | | 22 | | T | |
| 23 | | | | | | | | | | | 0.12 | 0.07 | 23 | | | | | | | | | | | | | 23 | | 0.00 | |
| 24 | | | | | | | | | | | | | 24 | 0.01 | T | | | | | | | | | | | 24 | | 0.20 | |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | | 25 | | 0.00 | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | | 26 | | 0.00 | |
| 27 | | | | | | | T | T | 0.02 | 0.06 | 0.08 | 0.05 | 27 | 0.02 | 0.05 | | | 0.01 | 0.03 | 0.02 | T | | | | 27 | 0.34 | | | |
| 28 | 0.06 | 0.04 | 0.01 | T | 0.01 | | | | | | | | 28 | | | | | | | | | | | | | 28 | | 0.12 | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | | 29 | | 0.00 | |
| 30 | | | T | T | | | | | | | | | 30 | | | | | | | | | | | | | 30 | | T | |

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|---|----|----|----|----|----|----|----|-----|-----|-----|-----|
| Precipitation (Inches) | | | | | | | | | | | | |
| Ending Date | | | | | | | | | | | | |
| Ending Time (Hour/Min) | | | | | | | | | | | | |

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

* = Extreme for the month (last occurrence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

WEATHER NOTATIONS

**DUBUQUE, IA
APRIL 2002**

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

| DATE | SUNSHINE | | CLOUDINESS (OKTAS) | | | | VISIBILITY (MILES) | | RESERVED |
|---|------------------|---------------------|-----------------------|-----------|------------|-----------|-----------------------|---------|----------|
| | TOTAL MINUTES | PERCENT POSSIBLE | SR-SS | | MN-MN | | MINIMUM | MAXIMUM | |
| | | | CEILOMETER | SATELLITE | CEILOMETER | SATELLITE | | | |
| 01 | | | | | | | .25 | 10.00 | |
| 02 | | | | | | | 1.25 | 10.00 | |
| 03 | | | | | | | 6.00 | 10.00 | |
| 04 | | | | | | | 8.00 | 10.00 | |
| 05 | | | | | | | 6.00 | 10.00 | |
| 06 | | | | | | | 10.00 | 10.00 | |
| 07 | | | | | | | 1.75 | 10.00 | |
| 08 | | | | | | | <.25 | 9.00 | |
| 09 | | | | | | | 4.00 | 10.00 | |
| 10 | | | | | | | 2.50 | 10.00 | |
| 11 | | | | | | | 5.00 | 10.00 | |
| 12 | | | | | | | 2.50 | 10.00 | |
| 13 | | | | | | | .25 | 10.00 | |
| 14 | | | | | | | 2.50 | 10.00 | |
| 15 | | | | | | | 8.00 | 10.00 | |
| 16 | | | | | | | 9.00 | 10.00 | |
| 17 | | | | | | | 9.00 | 10.00 | |
| 18 | | | | | | | .50 | 10.00 | |
| 19 | | | | | | | 8.00 | 10.00 | |
| 20 | | | | | | | 10.00 | 10.00 | |
| 21 | | | | | | | 1.50 | 10.00 | |
| 22 | | | | | | | 3.00 | 10.00 | |
| 23 | | | | | | | 6.00 | 10.00 | |
| 24 | | | | | | | 1.25 | 10.00 | |
| 25 | | | | | | | 10.00 | 10.00 | |
| 26 | | | | | | | 10.00 | 10.00 | |
| 27 | | | | | | | .50 | 10.00 | |
| 28 | | | | | | | 2.50 | 10.00 | |
| 29 | | | | | | | 6.00 | 10.00 | |
| 30 | | | | | | | 10.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 5.09 | 9.97 | |
| <p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p align="center">Percent Possible:</p> | | | | | | | | | |
| <p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">30</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">3 14 11</p> | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

APRIL 2002

DBQ

WBAN # 94908

| HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | | | | | | | | |
|---------------|-----------|---------------------|------------------------|------------------------------------|---------|--------------------|----------|-----------|-------------------------|----------|-------------|--------------------------|---------|------------|-----------|-----------|---------------------|------------------------|---------|------------------------------------|--------------------|----------|-------------------------|-----------|----------|-----------------------|--------------------------|---------|-----------|--------------|--|--|--|--|--|
| | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | EFF CLD AMT <small>Okta</small> | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | | SEA LEVEL | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | | EFF CLD AMT <small>Okta</small> | VISIBILITY (MILES) | DRY BULB | | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0545 | | | | | | APR 01 | | | | | | SUNSET: 1827 | | | | | | SUNRISE: 0535 | | | | | | APR 07 | | | | | | SUNSET: 1834 | | | | | |
| 03 | CLR | NC | | | 10.00 | 22 | 18 | 21 | 85 | 5 | 22 | 28.86 | 30.04 | 03 | OVC | 060 | | | 4.00 | RA | 37 | 32 | 35 | 82 | 17 | 17 | 28.79 | 29.96 | | | | | | | |
| 06 | CLR | NC | | | 10.00 | 22 | 18 | 21 | 85 | 0 | 00 | 28.85 | 30.04 | 06 | OVC | 055 | | | 5.00 | BR | 39 | 37 | 38 | 93 | 17 | 17 | 28.76 | 29.93 | | | | | | | |
| 09 | BKN | 070 | | | 10.00 | 30 | 22 | 27 | 72 | 7 | 13 | 28.84 | 30.03 | 09 | OVC | 046 | | | 5.00 | BR | 42 | 39 | 41 | 89 | 26 | 18 | 28.75 | 29.91 | | | | | | | |
| 12 | OVC | 007 | | | 0.50 | 29 | 27 | 28 | 92 | 10 | 13 | 28.79 | 29.98 | 12 | OVC | 036 | | | 5.00 | BR | 43 | 39 | 41 | 86 | 16 | 17 | 28.73 | 29.90 | | | | | | | |
| 15 | OVC | 007 | | | 1.00 | 31 | 28 | 30 | 89 | 10 | 08 | 28.70 | 29.89 | 15 | OVC | 008 | | | 2.00 | RA BR | 44 | 43 | 44 | 96 | 20 | 18 | 28.70 | 29.87 | | | | | | | |
| 18 | OVC | 005 | | | 5.00 | 31 | 30 | 31 | 96 | 13 | 06 | 28.66 | 29.85 | 18 | OVC | 008 | | | 2.50 | -RA BR | 43 | 42 | 43 | 97 | 17 | 18 | 28.69 | 29.86 | | | | | | | |
| 21 | OVC | 007 | | | 6.00 | 32 | 30 | 31 | 92 | 13 | 06 | 28.64 | 29.83 | 21 | OVC | 004 | | | 2.50 | -RA BR | 44 | 43 | 44 | 96 | 13 | 18 | 28.71 | 29.88 | | | | | | | |
| 24 | OVC | 005 | | | 4.00 | 32 | 30 | 31 | 92 | 9 | 05 | 28.61 | 29.78 | 24 | OVC | 002 | | | 3.00 | BR | 46 | 45 | 46 | 96 | 12 | 18 | 28.68 | 29.85 | | | | | | | |
| SUNRISE: 0544 | | | | | | APR 02 | | | | | | SUNSET: 1829 | | | | | | SUNRISE: 0534 | | | | | | APR 08 | | | | | | SUNSET: 1835 | | | | | |
| 03 | OVC | 003 | | | 3.00 | 32 | 31 | 32 | 96 | 13 | 04 | 28.61 | 29.78 | 03 | OVC | 002 | | | 0.75 | BR | 45 | 45 | 45 | 100 | 9 | 18 | 28.68 | 29.85 | | | | | | | |
| 06 | OVC | 001 | | | 1.50 | 32 | 32 | 32 | 100 | 9 | 36 | 28.63 | 29.81 | 06 | OVC | 003 | | | 0.25 | FG | 45 | 45 | 45 | 100 | 6 | 14 | 28.67 | 29.84 | | | | | | | |
| 09 | OVC | 005 | | | 3.00 | 33 | 31 | 32 | 92 | 9 | 34 | 28.64 | 29.83 | 09 | OVC | 001 | | | 0.50 | FG | 47 | 46 | 46 | 97 | 5 | 09 | 28.65 | 29.81 | | | | | | | |
| 12 | OVC | 017 | | | 5.00 | 34 | 29 | 32 | 82 | 18 | 30 | 28.69 | 29.87 | 12 | OVC | 001 | | | 0.50 | RA FG | 47 | 47 | 47 | 100 | 10 | 02 | 28.63 | 29.79 | | | | | | | |
| 15 | OVC | 025 | | | 7.00 | 35 | 27 | 32 | 72 | 17 | 29 | 28.75 | 29.93 | 15 | OVC | 004 | | | 2.50 | RA BR | 48 | 47 | 47 | 96 | 13 | 02 | 28.60 | 29.75 | | | | | | | |
| 18 | OVC | 033 | | | 9.00 | 35 | 27 | 32 | 72 | 17 | 31 | 28.84 | 30.02 | 18 | OVC | 005 | | | 5.00 | -RA BR | 47 | 46 | 46 | 97 | 12 | 36 | 28.63 | 29.79 | | | | | | | |
| 21 | OVC | 031 | | | 10.00 | 33 | 28 | 31 | 82 | 17 | 30 | 28.93 | 30.13 | 21 | OVC | 007 | | | 8.00 | -RA | 47 | 46 | 46 | 97 | 12 | 34 | 28.73 | 29.89 | | | | | | | |
| 24 | OVC | 015 | | | 9.00 | 30 | 24 | 28 | 79 | 16 | 31 | 28.97 | 30.17 | 24 | OVC | 004 | | | 3.00 | BR | 44 | 43 | 44 | 96 | 15 | 34 | 28.79 | 29.96 | | | | | | | |
| SUNRISE: 0542 | | | | | | APR 03 | | | | | | SUNSET: 1830 | | | | | | SUNRISE: 0532 | | | | | | APR 09 | | | | | | SUNSET: 1837 | | | | | |
| 03 | OVC | 013 | | | 10.00 | 27 | 23 | 26 | 85 | 14 | 30 | 29.03 | 30.23 | 03 | BKN | 012 | | | 7.00 | | 40 | 37 | 39 | 89 | 16 | 34 | 28.87 | 30.04 | | | | | | | |
| 06 | OVC | 013 | | | 10.00 | 25 | 20 | 23 | 81 | 9 | 31 | 29.10 | 30.29 | 06 | OVC | 010 | | | 7.00 | | 37 | 34 | 36 | 89 | 13 | 34 | 28.97 | 30.15 | | | | | | | |
| 09 | OVC | 017 | | | 10.00 | 27 | 20 | 25 | 75 | 12 | 30 | 29.14 | 30.35 | 09 | BKN | 014 | | | 10.00 | | 40 | 35 | 38 | 83 | 10 | 02 | 29.07 | 30.25 | | | | | | | |
| 12 | OVC | 025 | | | 10.00 | 31 | 21 | 27 | 67 | 10 | 31 | 29.17 | 30.37 | 12 | CLR | NC | | | 10.00 | | 49 | 37 | 43 | 64 | 8 | 29 | 29.13 | 30.30 | | | | | | | |
| 15 | OVC | 034 | | | 10.00 | 32 | 18 | 27 | 56 | 13 | 27 | 29.19 | 30.39 | 15 | CLR | NC | | | 10.00 | | 54 | 37 | 46 | 53 | 6 | 32 | 29.12 | 30.29 | | | | | | | |
| 18 | OVC | 038 | | | 10.00 | 29 | 18 | 25 | 64 | 13 | 30 | 29.21 | 30.41 | 18 | CLR | NC | | | 10.00 | | 53 | 35 | 45 | 51 | 5 | 24 | 29.14 | 30.32 | | | | | | | |
| 21 | OVC | 040 | | | 10.00 | 28 | 18 | 25 | 66 | 9 | 29 | 29.23 | 30.45 | 21 | CLR | NC | | | 10.00 | | 43 | 34 | 39 | 71 | 5 | 19 | 29.17 | 30.35 | | | | | | | |
| 24 | OVC | 046 | | | 10.00 | 27 | 19 | 24 | 72 | 8 | 32 | 29.25 | 30.46 | 24 | CLR | NC | | | 7.00 | | 40 | 37 | 39 | 89 | 7 | 18 | 29.19 | 30.37 | | | | | | | |
| SUNRISE: 0540 | | | | | | APR 04 | | | | | | SUNSET: 1831 | | | | | | SUNRISE: 0530 | | | | | | APR 10 | | | | | | SUNSET: 1838 | | | | | |
| 03 | OVC | 046 | | | 10.00 | 25 | 18 | 23 | 75 | 7 | 31 | 29.26 | 30.47 | 03 | OVC | 100 | | | 5.00 | BR | 40 | 37 | 39 | 89 | 10 | 19 | 29.17 | 30.35 | | | | | | | |
| 06 | OVC | 046 | | | 8.00 | 25 | 20 | 23 | 81 | 5 | 34 | 29.29 | 30.50 | 06 | BKN | 110 | | | 3.00 | BR | 39 | 37 | 38 | 93 | 8 | 17 | 29.18 | 30.35 | | | | | | | |
| 09 | OVC | 046 | | | 10.00 | 30 | 15 | 25 | 54 | 7 | 32 | 29.30 | 30.52 | 09 | FEW | NC | | | 6.00 | HZ | 50 | 41 | 46 | 71 | 16 | 17 | 29.16 | 30.34 | | | | | | | |
| 12 | OVC | 041 | | | 10.00 | 32 | 16 | 27 | 52 | 5 | 36 | 29.29 | 30.50 | 12 | CLR | NC | | | 10.00 | | 61 | 45 | 53 | 56 | 23 | 17 | 29.10 | 30.27 | | | | | | | |
| 15 | OVC | 046 | | | 10.00 | 35 | 17 | 29 | 48 | 6 | VR | 29.25 | 30.46 | 15 | CLR | NC | | | 10.00 | | 65 | 46 | 55 | 51 | 22 | 17 | 28.99 | 30.16 | | | | | | | |
| 18 | BKN | 048 | | | 10.00 | 35 | 18 | 29 | 50 | 6 | 31 | 29.23 | 30.45 | 18 | CLR | NC | | | 10.00 | | 61 | 45 | 53 | 56 | 14 | 16 | 28.98 | 30.15 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | 28 | 19 | 25 | 69 | 8 | 29 | 29.25 | 30.47 | 21 | OVC | 120 | | | 10.00 | | 56 | 43 | 49 | 62 | 17 | 16 | 28.96 | 30.13 | | | | | | | |
| 24 | FEW | NC | | | 10.00 | 23 | 16 | 21 | 74 | 0 | 00 | 29.23 | 30.44 | 24 | FEW | NC | | | 10.00 | | 53 | 40 | 47 | 61 | 17 | 16 | 28.95 | 30.12 | | | | | | | |
| SUNRISE: 0539 | | | | | | APR 05 | | | | | | SUNSET: 1832 | | | | | | SUNRISE: 0529 | | | | | | APR 11 | | | | | | SUNSET: 1839 | | | | | |
| 03 | OVC | 110 | | | 9.00 | 24 | 20 | 23 | 84 | 0 | 00 | 29.23 | 30.43 | 03 | BKN | 110 | | | 10.00 | | 52 | 39 | 46 | 61 | 20 | 17 | 28.92 | 30.06 | | | | | | | |
| 06 | OVC | 090 | | | 8.00 | 28 | 21 | 26 | 75 | 0 | 00 | 29.23 | 30.44 | 06 | OVC | 110 | | | 10.00 | | 52 | 39 | 46 | 61 | 15 | 18 | 28.91 | 30.07 | | | | | | | |
| 09 | OVC | 090 | | | 10.00 | 35 | 20 | 30 | 54 | 5 | VR | 29.23 | 30.43 | 09 | CLR | NC | | | 10.00 | | 60 | 42 | 51 | 52 | 20 | 19 | 28.88 | 30.03 | | | | | | | |
| 12 | CLR | NC | | | 10.00 | 41 | 22 | 34 | 47 | 6 | 18 | 29.19 | 30.39 | 12 | CLR | NC | | | 10.00 | | 68 | 51 | 58 | 55 | 24 | 20 | 28.83 | 29.97 | | | | | | | |
| 15 | SCT | NC | | | 10.00 | 45 | 21 | 36 | 39 | 9 | 34 | 29.14 | 30.34 | 15 | CLR | NC | | | 10.00 | | 70 | 51 | 59 | 51 | 21 | 20 | 28.77 | 29.92 | | | | | | | |
| 18 | CLR | NC | | | 10.00 | 43 | 20 | 34 | 40 | 12 | 34 | 29.15 | 30.34 | 18 | CLR | NC | | | 10.00 | | 68 | 50 | 58 | 53 | 17 | 19 | 28.74 | 29.89 | | | | | | | |
| 21 | CLR | NC | | | 10.00 | 33 | 18 | 28 | 54 | 9 | 04 | 29.21 | 30.41 | 21 | OVC | 090 | | | 10.00 | | 65 | 49 | 56 | 56 | 14 | 18 | 28.75 | 29.90 | | | | | | | |
| 24 | CLR | NC | | | 10.00 | 27 | 14 | 23 | 58 | 6 | 04 | 29.23 | 30.43 | 24 | OVC | 047 | | | 5.00 | RA BR | 57 | 56 | 56 | 96 | 13 | 21 | 28.79 | 29.93 | | | | | | | |
| SUNRISE: 0537 | | | | | | APR 06 | | | | | | SUNSET: 1833 | | | | | | SUNRISE: 0527 | | | | | | APR 12 | | | | | | SUNSET: 1840 | | | | | |
| 03 | CLR | NC | | | 10.00 | 27 | 15 | 23 | 61 | 0 | 00 | 29.23 | 30.44 | 03 | OVC | 016 | | | 5.00 | BR | 49 | 47 | 48 | 93 | 10 | 32 | 28.83 | 29.97 | | | | | | | |
| 06 | CLR | NC | | | 10.00 | 23 | 15 | 21 | 72 | 0 | 00 | 29.25 | 30.46 | 06 | OVC | 005 | | | 3.00 | BR | 46 | 44 | 45 | 93 | 8 | 33 | 28.90 | 30.05 | | | | | | | |
| 09 | CLR | NC | | | 10.00 | 36 | 17 | 29 | 46 | 10 | 14 | 29.25 | 30.45 | 09 | OVC | 008 | | | 5.00 | BR | 46 | 43 | 45 | 89 | 9 | 30 | 28.96 | 30.12 | | | | | | | |
| 12 | CLR | NC | | | 10.00 | 42 | 18 | 33 | 38 | 14 | 17 | 29.21 | 30.40 | 12 | OVC | 010 | | | 8.00 | | 49 | 44 | 47 | 83 | 12 | 33 | 28.98 | 30.15 | | | | | | | |
| 15 | CLR | NC | | | 10.00 | 47 | 17 | 36 | 30 | 17 | 15 | 29.08 | 30.27 | 15 | BKN | 018 | | | 9.00 | | 53 | 45 | 49 | 74 | 3 | 02 | 28.96 | 30.13 | | | | | | | |
| 18 | CLR | NC | | | 10.00 | 44 | 19 | 35 | 37 | 15 | 15 | 28.99 | 30.18 | 18 | CLR | NC | | | 7.00 | | 54 | 45 | 49 | 72 | 6 | 34 | 28.95 | 30.12 | | | | | | | |
| 21 | BKN | 095 | | | 10.00 | 41 | 20 | 33 | 43 | 17 | 16 | 28.93 | 30.12 | 21 | CLR | NC | | | 6.00 | BR | 44 | 42 | 43 | 93 | 0 | 00 | 28.99 | 30.16 | | | | | | | |
| 24 | OVC | 085 | | | 10.00 | 39 | 21 | 32 | 48 | 18 | 16 | 28.86 | 30.03 | 24 | CLR | NC | | | 4.00 | BR | 40 | 39 | 40 | 97 | 0 | 00 | 29.00 | 30.18 | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

APRIL 2002

DBQ

WBAN # 94908

| HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | | |
|---|-----------|---------------------|------------------------|----------------------|---------|--------------------|----------|-----------|-------------------------|----------|-------------|---|---------|------------|-----------|-----------|---------------------|------------------------|---------|----------------------|--------------------|----------|-------------------------|-----------|----------|-----------------------|--------------------------|---------|-----------|
| | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | EFF CLD AMT Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | | SEA LEVEL | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | | EFF CLD AMT Oktas | VISIBILITY (MILES) | DRY BULB | | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0525 APR 13 SUNSET: 1841 | | | | | | | | | | | | SUNRISE: 0516 APR 19 SUNSET: 1848 | | | | | | | | | | | | | | | | | |
| 03 | VV | 001 | | | 0.25 | FG | 36 | 36 | 36 | 100 | 0 | 00 | 28.99 | 30.17 | 03 | CLR | NC | | | 10.00 | 57 | 50 | 53 | 78 | 16 | 34 | 28.75 | 29.89 | |
| 06 | VV | 001 | | | 0.25 | FG | 34 | 34 | 34 | 100 | 0 | 00 | 29.01 | 30.19 | 06 | FEW | NC | | | 10.00 | 52 | 45 | 48 | 77 | 9 | 36 | 28.86 | 30.00 | |
| 09 | CLR | NC | | | 7.00 | | 54 | 46 | 50 | 75 | 0 | 00 | 29.01 | 30.18 | 09 | SCT | NC | | | 10.00 | 55 | 45 | 50 | 69 | 13 | 02 | 28.90 | 30.04 | |
| 12 | CLR | NC | | | 10.00 | | 60 | 46 | 53 | 60 | 0 | 00 | 28.98 | 30.15 | 12 | BKN | 070 | | | 10.00 | 59 | 48 | 53 | 67 | 15 | 06 | 28.92 | 30.06 | |
| 15 | CLR | NC | | | 10.00 | | 65 | 45 | 54 | 49 | 10 | 16 | 28.92 | 30.08 | 15 | BKN | 095 | | | 10.00 | 59 | 46 | 52 | 62 | 13 | 04 | 28.90 | 30.05 | |
| 18 | CLR | NC | | | 9.00 | | 60 | 46 | 53 | 60 | 8 | 17 | 28.88 | 30.04 | 18 | OVC | 070 | | | 10.00 | 56 | 45 | 50 | 67 | 15 | 03 | 28.88 | 30.04 | |
| 21 | CLR | NC | | | 8.00 | | 52 | 44 | 48 | 75 | 10 | 16 | 28.85 | 30.00 | 21 | OVC | 070 | | | 10.00 | 53 | 43 | 48 | 69 | 13 | 03 | 28.92 | 30.08 | |
| 24 | SCT | NC | | | 8.00 | | 52 | 45 | 48 | 77 | 10 | 18 | 28.80 | 29.96 | 24 | OVC | 020 | | | 10.00 | 50 | 42 | 46 | 74 | 9 | 03 | 28.95 | 30.12 | |
| SUNRISE: 0524 APR 14 SUNSET: 1842 | | | | | | | | | | | | SUNRISE: 0514 APR 20 SUNSET: 1849 | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | 7.00 | | 47 | 43 | 45 | 86 | 9 | 19 | 28.75 | 29.90 | 03 | OVC | 060 | | | 10.00 | 48 | 40 | 44 | 74 | 14 | 05 | 28.96 | 30.12 | |
| 06 | CLR | NC | | | 4.00 | BR | 46 | 44 | 45 | 93 | 9 | 19 | 28.70 | 29.85 | 06 | FEW | NC | | | 10.00 | 42 | 37 | 40 | 82 | 14 | 04 | 28.99 | 30.16 | |
| 09 | FEW | NC | | | 3.00 | HZ | 58 | 53 | 55 | 84 | 14 | 19 | 28.65 | 29.80 | 09 | OVC | 080 | | | 10.00 | 44 | 35 | 40 | 71 | 15 | 03 | 29.03 | 30.21 | |
| 12 | CLR | NC | | | 10.00 | | 72 | 54 | 61 | 53 | 24 | 18 | 28.54 | 29.67 | 12 | OVC | 100 | | | 10.00 | 50 | 38 | 44 | 63 | 14 | 03 | 29.01 | 30.18 | |
| 15 | CLR | NC | | | 10.00 | | 75 | 54 | 62 | 48 | 22 | 20 | 28.48 | 29.61 | 15 | CLR | NC | | | 10.00 | 52 | 34 | 44 | 50 | 15 | 04 | 28.96 | 30.13 | |
| 18 | BKN | 060 | | | 10.00 | | 73 | 55 | 62 | 53 | 9 | 22 | 28.46 | 29.60 | 18 | FEW | NC | | | 10.00 | 49 | 32 | 41 | 52 | 14 | 05 | 28.93 | 30.11 | |
| 21 | CLR | NC | | | 9.00 | | 64 | 55 | 59 | 73 | 9 | 30 | 28.52 | 29.65 | 21 | CLR | NC | | | 10.00 | 47 | 30 | 40 | 52 | 13 | 07 | 28.92 | 30.09 | |
| 24 | CLR | NC | | | 9.00 | | 59 | 53 | 56 | 81 | 5 | 17 | 28.53 | 29.66 | 24 | OVC | 055 | | | 10.00 | 41 | 34 | 38 | 76 | 14 | 07 | 28.85 | 30.02 | |
| SUNRISE: 0522 APR 15 SUNSET: 1843 | | | | | | | | | | | | SUNRISE: 0513 APR 21 SUNSET: 1850 | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 61 | 55 | 58 | 81 | 9 | 16 | 28.54 | 29.66 | 03 | OVC | 055 | | | 7.00 | -RA | 35 | 32 | 34 | 89 | 23 | 05 | 28.84 | 30.01 |
| 06 | CLR | NC | | | 8.00 | | 58 | 55 | 56 | 90 | 12 | 19 | 28.58 | 29.70 | 06 | OVC | 018 | | | 10.00 | -RA | 34 | 31 | 33 | 89 | 25 | 06 | 28.82 | 29.99 |
| 09 | CLR | NC | | | 10.00 | | 72 | 60 | 65 | 66 | 20 | 22 | 28.59 | 29.72 | 09 | OVC | 010 | | | 10.00 | | 37 | 34 | 36 | 89 | 26 | 09 | 28.66 | 29.83 |
| 12 | CLR | NC | | | 10.00 | | 81 | 60 | 68 | 49 | 18 | 19 | 28.58 | 29.71 | 12 | OVC | 010 | | | 2.00 | -RA BR | 39 | 37 | 38 | 93 | 12 | 09 | 28.66 | 29.83 |
| 15 | CLR | NC | | | 10.00 | | 84 | 59 | 68 | 43 | 23 | 19 | 28.57 | 29.69 | 15 | OVC | 004 | | | 2.50 | -RA BR | 38 | 37 | 38 | 97 | 12 | 03 | 28.68 | 29.86 |
| 18 | CLR | NC | | | 10.00 | | 80 | 58 | 66 | 47 | 20 | 19 | 28.56 | 29.68 | 18 | OVC | 005 | | | 1.50 | UP BR | 37 | 36 | 37 | 96 | 10 | 02 | 28.71 | 29.88 |
| 21 | CLR | NC | | | 10.00 | | 70 | 57 | 62 | 64 | 9 | 16 | 28.60 | 29.72 | 21 | OVC | 005 | | | 7.00 | BR | 35 | 34 | 35 | 96 | 10 | 32 | 28.78 | 29.96 |
| 24 | CLR | NC | | | 10.00 | | 69 | 57 | 62 | 66 | 15 | 17 | 28.62 | 29.75 | 24 | OVC | 005 | | | 5.00 | BR | 35 | 34 | 35 | 96 | 9 | 34 | 28.80 | 29.98 |
| SUNRISE: 0520 APR 16 SUNSET: 1844 | | | | | | | | | | | | SUNRISE: 0511 APR 22 SUNSET: 1851 | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 66 | 57 | 61 | 73 | 13 | 17 | 28.63 | 29.76 | 03 | OVC | 027 | | | 3.00 | -SN BR | 34 | 32 | 33 | 92 | 9 | 32 | 28.85 | 30.03 |
| 06 | CLR | NC | | | 9.00 | | 64 | 57 | 60 | 78 | 15 | 16 | 28.65 | 29.78 | 06 | OVC | 033 | | | 10.00 | | 34 | 30 | 32 | 85 | 10 | 31 | 28.91 | 30.09 |
| 09 | SCT | NC | | | 10.00 | | 73 | 60 | 65 | 64 | 24 | 18 | 28.63 | 29.76 | 09 | OVC | 028 | | | 10.00 | | 36 | 27 | 32 | 70 | 13 | 33 | 28.95 | 30.14 |
| 12 | CLR | NC | | | 10.00 | | 80 | 63 | 69 | 56 | 25 | 18 | 28.61 | 29.74 | 12 | OVC | 034 | | | 10.00 | | 39 | 29 | 35 | 67 | 8 | 34 | 28.99 | 30.18 |
| 15 | CLR | NC | | | 10.00 | | 83 | 63 | 70 | 51 | 22 | 18 | 28.59 | 29.71 | 15 | OVC | 030 | | | 10.00 | | 40 | 29 | 35 | 65 | 3 | VR | 28.98 | 30.16 |
| 18 | CLR | NC | | | 10.00 | | 80 | 60 | 67 | 51 | 21 | 19 | 28.60 | 29.72 | 18 | OVC | 039 | | | 10.00 | | 41 | 29 | 36 | 62 | 0 | 00 | 28.98 | 30.17 |
| 21 | CLR | NC | | | 10.00 | | 75 | 60 | 66 | 60 | 21 | 21 | 28.63 | 29.76 | 21 | CLR | NC | | | 10.00 | | 36 | 30 | 34 | 79 | 7 | 11 | 29.00 | 30.19 |
| 24 | CLR | NC | | | 10.00 | | 71 | 59 | 64 | 66 | 20 | 20 | 28.67 | 29.79 | 24 | CLR | NC | | | 10.00 | | 35 | 30 | 33 | 82 | 7 | 12 | 28.99 | 30.18 |
| SUNRISE: 0519 APR 17 SUNSET: 1846 | | | | | | | | | | | | SUNRISE: 0510 APR 23 SUNSET: 1852 | | | | | | | | | | | | | | | | | |
| 03 | FEW | NC | | | 10.00 | | 68 | 60 | 63 | 76 | 17 | 21 | 28.67 | 29.80 | 03 | CLR | NC | | | 9.00 | | 34 | 31 | 33 | 89 | 9 | 14 | 28.97 | 30.16 |
| 06 | BKN | 041 | | | 9.00 | | 65 | 59 | 61 | 81 | 10 | 26 | 28.77 | 29.90 | 06 | FEW | NC | | | 8.00 | | 35 | 30 | 33 | 82 | 10 | 15 | 28.98 | 30.16 |
| 09 | CLR | NC | | | 10.00 | | 68 | 44 | 55 | 42 | 10 | 30 | 28.86 | 29.99 | 09 | FEW | NC | | | 10.00 | | 46 | 36 | 42 | 68 | 17 | 14 | 28.96 | 30.14 |
| 12 | CLR | NC | | | 10.00 | | 73 | 38 | 55 | 28 | 14 | 28 | 28.89 | 30.03 | 12 | CLR | NC | | | 10.00 | | 54 | 42 | 48 | 64 | 18 | 15 | 28.92 | 30.09 |
| 15 | CLR | NC | | | 10.00 | | 75 | 39 | 56 | 27 | 3 | VR | 28.88 | 30.01 | 15 | CLR | NC | | | 10.00 | | 58 | 44 | 51 | 60 | 17 | 14 | 28.85 | 30.02 |
| 18 | CLR | NC | | | 10.00 | | 75 | 39 | 56 | 27 | 3 | 12 | 28.86 | 30.00 | 18 | CLR | NC | | | 8.00 | | 57 | 46 | 51 | 67 | 16 | 14 | 28.81 | 29.98 |
| 21 | CLR | NC | | | 10.00 | | 64 | 38 | 51 | 38 | 9 | 09 | 28.84 | 29.98 | 21 | CLR | NC | | | 7.00 | | 52 | 47 | 49 | 83 | 14 | 14 | 28.81 | 29.98 |
| 24 | CLR | NC | | | 10.00 | | 64 | 40 | 52 | 41 | 13 | 13 | 28.82 | 29.96 | 24 | SCT | NC | | | 6.00 | HZ | 52 | 47 | 49 | 83 | 17 | 15 | 28.76 | 29.91 |
| SUNRISE: 0517 APR 18 SUNSET: 1847 | | | | | | | | | | | | SUNRISE: 0508 APR 24 SUNSET: 1853 | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | 66 | 56 | 60 | 70 | 16 | 17 | 28.74 | 29.87 | 03 | CLR | NC | | | 5.00 | BR | 50 | 47 | 48 | 89 | 15 | 15 | 28.69 | 29.85 |
| 06 | CLR | NC | | | 10.00 | | 68 | 61 | 64 | 78 | 16 | 18 | 28.72 | 29.85 | 06 | CLR | NC | | | 4.00 | BR | 50 | 48 | 49 | 93 | 15 | 16 | 28.66 | 29.81 |
| 09 | CLR | NC | | | 9.00 | | 74 | 65 | 68 | 74 | 21 | 19 | 28.66 | 29.79 | 09 | BKN | 013 | | | 9.00 | | 59 | 53 | 56 | 81 | 10 | 18 | 28.64 | 29.79 |
| 12 | CLR | NC | | | 10.00 | | 79 | 66 | 70 | 65 | 20 | 19 | 28.61 | 29.74 | 12 | OVC | 012 | | | 3.00 | -RA BR | 55 | 53 | 54 | 93 | 22 | 28 | 28.64 | 29.80 |
| 15 | OVC | 045 | | | 10.00 | | 73 | 66 | 68 | 79 | 10 | 15 | | | 15 | OVC | 027 | | | 10.00 | | 50 | 42 | 46 | 74 | 23 | 32 | 28.71 | 29.87 |
| 18 | FEW | NC | | | 9.00 | | 77 | 67 | 70 | 71 | 13 | 21 | | | 18 | FEW | NC | | | 10.00 | | 48 | 32 | 41 | 54 | 23 | 31 | 28.80 | 29.96 |
| 21 | SCT | NC | | | 10.00 | | 69 | 53 | 60 | 57 | 20 | 25 | 28.60 | | | | | | | | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

DUBUQUE, IA

APRIL 2002

DBQ

WBAN # 94908

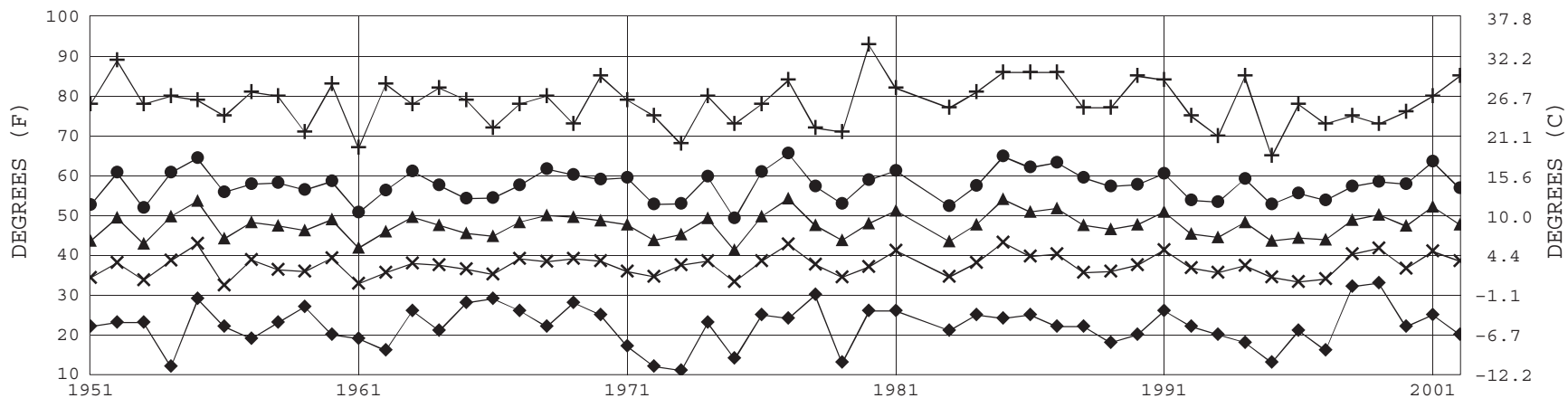
| HOUR (LST) | SKY COVER | | CEILING 100'S OFFT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | HOUR (LST) | SKY COVER | | CEILING 100'S OFFT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | |
|-----------------------------------|-----------|-----|-----------------------|---------------------------|------------------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|-------------------------|--------------|------------|---------------------------|------------------------------|-----------------------|-----------|-----------|-----------------------|---------|-------------------|-------------|--------------------------|----------------------------|---------|--------------|-------------------------|--|--|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT <i>Okta</i> s | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | OBSERVATION TIME (LST) | EFF CLD AMT <i>Okta</i> s | | DRY BULB | DEW POINT | | | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | | STATION | SEA LEVEL | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0507 APR 25 SUNSET: 1855 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | | 32 | 25 | 29 | 75 | 10 | 24 | 28.95 | 30.14 | | | | | | | | | | | | | | | | | |
| 06 | CLR | NC | | | 10.00 | | | 36 | 23 | 31 | 59 | 16 | 26 | 28.95 | 30.13 | | | | | | | | | | | | | | | | | |
| 09 | CLR | NC | | | 10.00 | | | 43 | 21 | 35 | 42 | 25 | 28 | 28.98 | 30.16 | | | | | | | | | | | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | | 47 | 24 | 38 | 41 | 25 | 27 | 29.02 | 30.20 | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | 10.00 | | | 51 | 24 | 40 | 35 | 25 | 29 | 29.01 | 30.19 | | | | | | | | | | | | | | | | | |
| 18 | CLR | NC | | | 10.00 | | | 50 | 22 | 39 | 33 | 17 | 28 | 29.00 | 30.18 | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | | 41 | 22 | 34 | 47 | 12 | 31 | 29.05 | 30.23 | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | 10.00 | | | 34 | 22 | 30 | 61 | 8 | 30 | 29.10 | 30.29 | | | | | | | | | | | | | | | | | |
| SUNRISE: 0505 APR 26 SUNSET: 1856 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | | 33 | 22 | 29 | 64 | 9 | 35 | 29.11 | 30.30 | | | | | | | | | | | | | | | | | |
| 06 | CLR | NC | | | 10.00 | | | 33 | 22 | 29 | 64 | 7 | 01 | 29.13 | 30.31 | | | | | | | | | | | | | | | | | |
| 09 | CLR | NC | | | 10.00 | | | 39 | 19 | 32 | 45 | 8 | 05 | 29.18 | 30.37 | | | | | | | | | | | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | | 46 | 21 | 36 | 37 | 3 | VR | 29.17 | 30.36 | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | 10.00 | | | 52 | 25 | 41 | 35 | 6 | 29 | 29.11 | 30.29 | | | | | | | | | | | | | | | | | |
| 18 | BKN | 110 | | | 10.00 | | | 51 | 26 | 41 | 38 | 6 | 16 | 29.07 | 30.25 | | | | | | | | | | | | | | | | | |
| 21 | OVC | 100 | | | 10.00 | | | 46 | 30 | 39 | 54 | 6 | 11 | 29.07 | 30.26 | | | | | | | | | | | | | | | | | |
| 24 | OVC | 090 | | | 10.00 | | | 46 | 29 | 39 | 51 | 8 | 10 | 29.04 | 30.21 | | | | | | | | | | | | | | | | | |
| SUNRISE: 0504 APR 27 SUNSET: 1857 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 080 | | | 10.00 | | | 45 | 32 | 39 | 61 | 15 | 11 | 28.95 | 30.12 | | | | | | | | | | | | | | | | | |
| 06 | OVC | 075 | | | 10.00 | | | 43 | 23 | 35 | 45 | 16 | 10 | 28.96 | 30.14 | | | | | | | | | | | | | | | | | |
| 09 | OVC | 030 | | | 9.00 | -RA | | 40 | 29 | 35 | 65 | 15 | 08 | 28.87 | 30.04 | | | | | | | | | | | | | | | | | |
| 12 | OVC | 021 | | | 5.00 | -RA BR | | 39 | 36 | 38 | 89 | 21 | 10 | 28.74 | 29.91 | | | | | | | | | | | | | | | | | |
| 15 | OVC | 006 | | | 9.00 | | | 44 | 42 | 43 | 93 | 17 | 12 | 28.56 | 29.72 | | | | | | | | | | | | | | | | | |
| 18 | OVC | 006 | | | 5.00 | -RA BR | | 46 | 45 | 46 | 96 | 17 | 11 | 28.42 | 29.57 | | | | | | | | | | | | | | | | | |
| 21 | OVC | 002 | | | 1.25 | BR | | 48 | 48 | 48 | 100 | 16 | 13 | 28.29 | 29.44 | | | | | | | | | | | | | | | | | |
| 24 | OVC | 028 | | | 9.00 | | | 55 | 51 | 53 | 87 | 17 | 20 | 28.18 | 29.32 | | | | | | | | | | | | | | | | | |
| SUNRISE: 0502 APR 28 SUNSET: 1858 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 004 | | | 6.00 | -RA BR | | 52 | 51 | 51 | 97 | 20 | 27 | 28.19 | 29.33 | | | | | | | | | | | | | | | | | |
| 06 | OVC | 008 | | | 10.00 | | | 39 | 36 | 38 | 89 | 22 | 33 | 28.42 | 29.58 | | | | | | | | | | | | | | | | | |
| 09 | OVC | 016 | | | 10.00 | | | 39 | 34 | 37 | 82 | 22 | 34 | 28.60 | 29.75 | | | | | | | | | | | | | | | | | |
| 12 | OVC | 022 | | | 10.00 | | | 42 | 35 | 39 | 76 | 15 | 31 | 28.71 | 29.87 | | | | | | | | | | | | | | | | | |
| 15 | OVC | 027 | | | 10.00 | | | 44 | 36 | 40 | 73 | 15 | 32 | 28.79 | 29.96 | | | | | | | | | | | | | | | | | |
| 18 | OVC | 030 | | | 10.00 | | | 45 | 36 | 41 | 71 | 8 | 34 | 28.82 | 29.99 | | | | | | | | | | | | | | | | | |
| 21 | OVC | 030 | | | 10.00 | | | 43 | 36 | 40 | 76 | 8 | 31 | 28.86 | 30.03 | | | | | | | | | | | | | | | | | |
| 24 | OVC | 026 | | | 10.00 | | | 41 | 37 | 39 | 86 | 12 | 27 | 28.89 | 30.06 | | | | | | | | | | | | | | | | | |
| SUNRISE: 0501 APR 29 SUNSET: 1859 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 028 | | | 9.00 | | | 40 | 37 | 39 | 89 | 5 | 24 | 28.86 | 30.03 | | | | | | | | | | | | | | | | | |
| 06 | FEW | NC | | | 6.00 | BR | | 40 | 37 | 39 | 89 | 7 | 22 | 28.83 | 30.00 | | | | | | | | | | | | | | | | | |
| 09 | SCT | NC | | | 8.00 | | | 48 | 40 | 44 | 74 | 20 | 23 | 28.80 | 29.97 | | | | | | | | | | | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | | 58 | 39 | 49 | 50 | 15 | 30 | 28.80 | 29.96 | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | 10.00 | | | 62 | 34 | 49 | 35 | 18 | 28 | 28.76 | 29.92 | | | | | | | | | | | | | | | | | |
| 18 | CLR | NC | | | 10.00 | | | 60 | 31 | 47 | 33 | 13 | 26 | 28.73 | 29.89 | | | | | | | | | | | | | | | | | |
| 21 | CLR | NC | | | 10.00 | | | 48 | 35 | 42 | 61 | 6 | 22 | 28.73 | 29.89 | | | | | | | | | | | | | | | | | |
| 24 | CLR | NC | | | 10.00 | | | 50 | 37 | 44 | 61 | 10 | 33 | 28.73 | 29.89 | | | | | | | | | | | | | | | | | |
| SUNRISE: 0460 APR 30 SUNSET: 1900 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03 | OVC | 070 | | | 10.00 | | | 48 | 39 | 44 | 71 | 7 | 31 | 28.77 | 29.92 | | | | | | | | | | | | | | | | | |
| 06 | OVC | 085 | | | 10.00 | | | 48 | 36 | 43 | 63 | 7 | 01 | 28.77 | 29.92 | | | | | | | | | | | | | | | | | |
| 09 | OVC | 095 | | | 10.00 | | | 50 | 33 | 42 | 52 | 6 | 04 | 28.80 | 29.96 | | | | | | | | | | | | | | | | | |
| 12 | CLR | NC | | | 10.00 | | | 54 | 32 | 44 | 43 | 6 | VR | 28.77 | 29.92 | | | | | | | | | | | | | | | | | |
| 15 | CLR | NC | | | 10.00 | | | 58 | 33 | 46 | 39 | 6 | VR | 28.69 | 29.85 | | | | | | | | | | | | | | | | | |
| 18 | OVC | 100 | | | 10.00 | | | 54 | 38 | 46 | 55 | 8 | 18 | 28.69 | 29.85 | | | | | | | | | | | | | | | | | |
| 21 | SCT | NC | | | 10.00 | | | 49 | 42 | 46 | 77 | 6 | 18 | 28.69 | 29.85 | | | | | | | | | | | | | | | | | |
| 24 | OVC | 090 | | | 10.00 | | | 48 | 43 | 46 | 83 | 7 | 19 | 28.67 | 29.83 | | | | | | | | | | | | | | | | | |

3-HOURLY OBSERVATION NOTES
Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.
NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

| HOUR (LST) | AVERAGES | | | | | | | | | | RESULTANT WIND (MPH) | |
|------------|------------|-------------|----------|-----------|----------|----------------------|-------------------------|--------------|-----------------------|---------------------|----------------------------|-----------|
| | CEILOMETER | EFF CLD AMT | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY | PRESSURE (INCHES,HG) | | VISIBILITY (MILES) | WIND SPEED (MPH) | SPEED | DIRECTION |
| | | | | | | | STATION | SEA LEVEL | | | | |
| 01 | | | 44 | 37 | 41 | 78 | 28.86 | 30.01 | 8.13 | 11 | 2 | 20 |
| 02 | | | 43 | 37 | 40 | 79 | 28.86 | 30.02 | 8.09 | 11 | 2 | 22 |
| 03 | | | 42 | 37 | 40 | 82 | 28.86 | 30.02 | 7.67 | 11 | 2 | 20 |
| 04 | | | 41 | 36 | 39 | 84 | 28.86 | 30.03 | 7.83 | 10 | 1 | 22 |
| 05 | | | 41 | 36 | 39 | 83 | 28.87 | 30.04 | 7.89 | 11 | 1 | 18 |
| 06 | | | 41 | 36 | 39 | 82 | 28.88 | 30.05 | 7.47 | 10 | 1 | 17 |
| 07 | | | 43 | 36 | 40 | 79 | 28.89 | 30.06 | 7.61 | 12 | 1 | 19 |
| 08 | | | 45 | 37 | 41 | 76 | 28.89 | 30.06 | 7.58 | 13 | 1 | 19 |
| 09 | | | 47 | 37 | 42 | 70 | 28.89 | 30.06 | 8.48 | 14 | 2 | 19 |
| 10 | | | 49 | 38 | 44 | 67 | 28.89 | 30.06 | 8.50 | 13 | 3 | 18 |
| 11 | | | 50 | 38 | 45 | 66 | 28.89 | 30.05 | 8.22 | 14 | 3 | 19 |
| 12 | | | 52 | 39 | 45 | 64 | 28.88 | 30.04 | 8.30 | 14 | 4 | 21 |
| 13 | | | 53 | 39 | 46 | 62 | 28.86 | 30.02 | 8.39 | 14 | 5 | 21 |
| 14 | | | 54 | 38 | 46 | 60 | 28.86 | 30.03 | 8.42 | 15 | 4 | 23 |
| 15 | | | 54 | 38 | 46 | 59 | 28.85 | 30.02 | 8.77 | 13 | 3 | 21 |
| 16 | | | 55 | 38 | 47 | 58 | 28.84 | 30.01 | 8.97 | 14 | 3 | 22 |
| 17 | | | 54 | 38 | 46 | 58 | 28.84 | 30.01 | 8.78 | 13 | 2 | 21 |
| 18 | | | 53 | 38 | 46 | 61 | 28.84 | 30.01 | 8.70 | 12 | 2 | 21 |
| 19 | | | 50 | 38 | 45 | 66 | 28.83 | 30.00 | 8.78 | 12 | 2 | 18 |
| 20 | | | 49 | 38 | 44 | 68 | 28.85 | 30.01 | 9.03 | 11 | 2 | 18 |
| 21 | | | 48 | 37 | 43 | 70 | 28.85 | 30.02 | 8.82 | 11 | 2 | 19 |
| 22 | | | 46 | 38 | 42 | 74 | 28.86 | 30.03 | 8.41 | 10 | 2 | 18 |
| 23 | | | 45 | 37 | 42 | 75 | 28.85 | 30.02 | 8.45 | 10 | 3 | 17 |
| 24 | | | 45 | 38 | 42 | 76 | 28.85 | 30.02 | 8.40 | 11 | 3 | 19 |

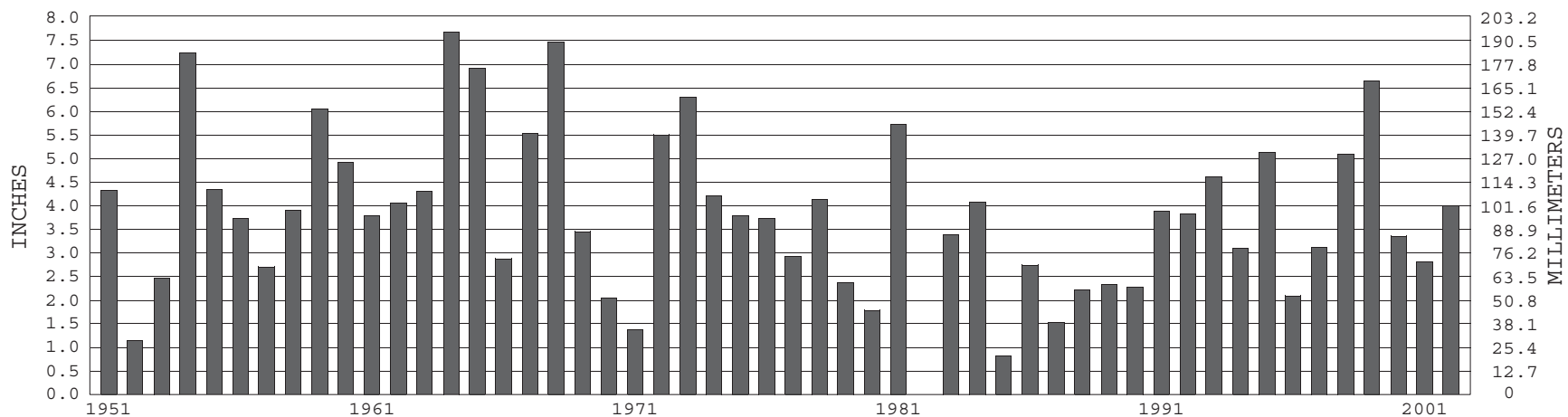
DUBUQUE, IA APRIL TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1951-2002) Mean: 46.6 1961-1990 Normal: 47.5

DUBUQUE, IA APRIL PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 3.80

1961-1990 Normal: 3.49



APRIL 2002

DUBUQUE, IA

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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