



MARCH 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

ROCKFORD, IL

GREATER ROCKFORD AIRPORT (RFD)

Lat: 42°11' N Long: 89°05' W Elev (Ground): 728 Feet

Time Zone: CENTRAL WBAN: 94822 ISSN #:0198-1919

| 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 | 28 | 15 | 22 | -8 | 15 | 21 | 43 | 0 | SN FZFG BR | 0 | | 2.0 | 0.11 | 29.46 | 30.30 | 5.7 | 06 | 9.4 | 23 | 07 | 17 | 05 | 01 | | | | | | | | | | | | | | | | |
| 02 | 33 | 18 | 26 | -4 | 24 | 26 | 39 | 0 | DZ SN FG+ FZFG BR BLSN | 3 | | 8.1 | 0.56 | 29.06 | 29.87 | 6.9 | 01 | 13.7 | 32 | 35 | 24 | 36 | 02 | | | | | | | | | | | | | | | | |
| 03 | 18 | -4 | 7 | -24 | -2 | 6 | 58 | 0 | SN BLSN | 9 | | 1.0 | 0.01 | 29.25 | 30.09 | 14.9 | 30 | 15.6 | 32 | 33 | 25 | 33 | 03 | | | | | | | | | | | | | | | | |
| 04 | 14 | -11* | 2* | -29 | -2 | 3 | 63 | 0 | SN BR HZ BLSN | 8 | | 0.4 | T | 29.33 | 30.19 | 9.9 | 20 | 11.4 | 25 | 19 | 22 | 18 | 04 | | | | | | | | | | | | | | | | |
| 05 | 29 | 8 | 19 | -13 | 16 | 19 | 46 | 0 | SN BR | 8 | | T | T | 29.32 | 30.16 | 4.2 | 16 | 6.5 | 17 | 13 | 15 | 13 | 05 | | | | | | | | | | | | | | | | |
| 06 | 37 | 16 | 27 | -5 | 25 | 28 | 38 | 0 | BR HZ | 8 | | 0.0 | 0.00 | 29.28 | 30.10 | 8.7 | 05 | 9.1 | 21 | 05 | 18 | 05 | 06 | | | | | | | | | | | | | | | | |
| 07 | 40 | 28 | 34 | 2 | 28 | 31 | 31 | 0 | BR HZ | 2 | | 0.0 | 0.00 | 29.33 | 30.15 | 10.3 | 07 | 12.3 | 22 | 13 | 18 | 13 | 07 | | | | | | | | | | | | | | | | |
| 08 | 60* | 39 | 50* | 17 | 47 | 49 | 15 | 0 | TSRA RA GS FG BR | 0 | | 0.0 | 0.25 | 29.03 | 29.83 | 13.0 | 18 | 13.7 | 29 | 17 | 23 | 17 | 08 | | | | | | | | | | | | | | | | |
| 09 | 58 | 19 | 39 | 6 | 29 | 33 | 26 | 0 | TS TSRA RA SN BR | 0 | | T | 0.41 | 29.00 | 29.80 | 21.8 | 25 | 28.0 | 48* | 26 | 37 | 27 | 09 | | | | | | | | | | | | | | | | |
| 10 | 28 | 12 | 20 | -14 | 6 | 17 | 45 | 0 | | 0 | | 0.0 | 0.00 | 29.63 | 30.47 | 14.2 | 29 | 15.3 | 44 | 29 | 37* | 29 | 10 | | | | | | | | | | | | | | | | |
| 11 | 46 | 22 | 34 | 0 | 22 | 29 | 31 | 0 | | 0 | | 0.0 | 0.00 | 29.31 | 30.14 | 11.3 | 18 | 12.1 | 31 | 19 | 28 | 19 | 11 | | | | | | | | | | | | | | | | |
| 12 | 53 | 23 | 38 | 3 | 30 | 35 | 27 | 0 | FG+ FZFG BR HZ | 0 | | 0.0 | 0.00 | 29.18 | 30.00 | 6.4 | 18 | 6.9 | 20 | 19 | 16 | 18 | 12 | | | | | | | | | | | | | | | | |
| 13 | 59 | 32 | 46 | 11 | 34 | 40 | 19 | 0 | BR HZ | 0 | | 0.0 | 0.00 | 29.04 | 29.84 | 1.9 | 26 | 10.5 | 22 | 25 | 18 | 23 | 13 | | | | | | | | | | | | | | | | |
| 14 | 54 | 35 | 45 | 10 | 37 | 41 | 20 | 0 | HZ | 0 | | 0.0 | 0.00 | 28.92 | 29.72 | 13.9 | 07 | 16.3 | 31 | 08 | 25 | 09 | 14 | | | | | | | | | | | | | | | | |
| 15 | 51 | 34 | 43 | 7 | 27 | 34 | 22 | 0 | HZ | 0 | | 0.0 | 0.00 | 29.10 | 29.91 | 10.6 | 31 | 15.4 | 30 | 25 | 24 | 29 | 15 | | | | | | | | | | | | | | | | |
| 16 | 47 | 29 | 38 | 2 | 21 | 30 | 27 | 0 | | 0 | | 0.0 | 0.00 | 29.50 | 30.32 | 11.3 | 05 | 12.5 | 23 | 07 | 20 | 07 | 16 | | | | | | | | | | | | | | | | |
| 17 | 43 | 29 | 36 | -1 | 29 | 33 | 29 | 0 | RA SN BR | 0 | | T | T | 29.31 | 30.12 | 9.4 | 08 | 10.2 | 21 | 09 | 17 | 09 | 17 | | | | | | | | | | | | | | | | |
| 18 | 49 | 33 | 41 | 4 | 30 | 36 | 24 | 0 | BR HZ | 0 | | 0.0 | 0.00 | 29.43 | 30.25 | 1.7 | 03 | 6.6 | 16 | 13 | 13 | 12 | 18 | | | | | | | | | | | | | | | | |
| 19 | 50 | 31 | 41 | 4 | 35 | 39 | 24 | 0 | RA BR HZ | 0 | | 0.0 | 0.07 | 29.33 | 30.15 | 4.6 | 12 | 6.7 | 20 | 16 | 16 | 13 | 19 | | | | | | | | | | | | | | | | |
| 20 | 47 | 35 | 41 | 3 | 32 | 37 | 24 | 0 | BR | 0 | | 0.0 | 0.00 | 29.33 | 30.14 | 5.1 | 33 | 9.7 | 22 | 35 | 17 | 02 | 20 | | | | | | | | | | | | | | | | |
| 21 | 40 | 14 | 27 | -11 | 10 | 19 | 38 | 0 | RA SN BR | 0 | | 0.3 | 0.03 | 29.57 | 30.40 | 19.1 | 32 | 20.7 | 39 | 29 | 30 | 34 | 21 | | | | | | | | | | | | | | | | |
| 22 | 37 | 13 | 25 | -14 | 7 | 20 | 40 | 0 | | 0 | | 0.0 | 0.00 | 29.45 | 30.29 | 14.5 | 27 | 15.2 | 35 | 26 | 20 | 27 | 22 | | | | | | | | | | | | | | | | |
| 23 | 50 | 25 | 38 | -1 | 13 | 29 | 27 | 0 | | 0 | | 0.0 | 0.00 | 29.20 | 30.01 | 9.6 | 25 | 11.3 | 26 | 25 | 22 | 25 | 23 | | | | | | | | | | | | | | | | |
| 24 | 41 | 24 | 33 | -6 | 19 | 28 | 32 | 0 | | 0 | | 0.0 | 0.00 | 29.30 | 30.12 | 14.2 | 04 | 15.2 | 36 | 03 | 30 | 04 | 24 | | | | | | | | | | | | | | | | |
| 25 | 33 | 21 | 27 | -13 | 13 | 22 | 38 | 0 | SN | 0 | | T | T | 29.50 | 30.33 | 18.3 | 05 | 18.7 | 39 | 05 | 30 | 05 | 25 | | | | | | | | | | | | | | | | |
| 26 | 42 | 22 | 32 | -8 | 19 | 27 | 33 | 0 | | 0 | | 0.0 | 0.00 | 29.41 | 30.23 | 9.9 | 01 | 10.4 | 24 | 02 | 21 | 02 | 26 | | | | | | | | | | | | | | | | |
| 27 | 50 | 19 | 35 | -5 | 21 | 30 | 30 | 0 | | 0 | | 0.0 | 0.00 | 29.38 | 30.20 | 7.8 | 17 | 8.5 | 24 | 18 | 21 | 18 | 27 | | | | | | | | | | | | | | | | |
| 28 | 55 | 32 | 44 | 3 | 32 | 37 | 21 | 0 | RA BR | 0 | | 0.0 | 0.02 | 29.09 | 29.89 | 11.9 | 18 | 12.9 | 31 | 20 | 25 | 19 | 28 | | | | | | | | | | | | | | | | |
| 29 | 52 | 34 | 43 | 2 | 36 | 40 | 22 | 0 | RA BR | 0 | | 0.0 | 0.27 | 29.00 | 29.80 | 2.8 | 23 | 5.3 | 18 | 30 | 15 | 30 | 29 | | | | | | | | | | | | | | | | |
| 30 | 50 | 31 | 41 | -1 | 23 | 34 | 24 | 0 | | 0 | | 0.0 | 0.00 | 29.19 | 30.00 | 10.7 | 27 | 11.6 | 28 | 28 | 24 | 28 | 30 | | | | | | | | | | | | | | | | |
| 31 | 48 | 26 | 37 | -5 | 24 | 31 | 28 | 0 | SN FG BR | 0 | | 0.7 | 0.07 | 29.24 | 30.05 | 6.4 | 27 | 8.9 | 28 | 28 | 22 | 28 | 31 | | | | | | | | | | | | | | | | |
| 43.3 22.7 33.0 ■■ | | | | | | | | | | < MONTHLY AVERAGES TOTALS-> | | | | 12.5 | 1.80 | 29.27 | 30.09 | 1.3 | 31 | 12.3 | <- MONTHLY AVERAGES | | | | | | | | | | | | | | | | | | |
| -2.2 -4.0 -3.1 ■■ | | | | | | | | | | <-----DEPARTURE FROM NORMAL-----> | | | | | | | | | | - .59 | | | | | | | | | | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | GREATEST 24-HR PRECIPITATION: 0.56 | | | DATE :02 | | | SEA LEVEL PRESSURE DATE TIME | | | | | | | | | | | | | | | | | | | | | | | | |
| MONTHLY TOTAL DEPARTURE 984 54 | | | | | | | | | GREATEST 24-HR SNOWFALL: 8.1 | | | DATE :02 | | | MAXIMUM : 30.57 10 1054 | | | | | | | | | | | | | | | | | | | | | | | | |
| SEASON TO DATE TOTAL DEPARTURE 5155 -1032 | | | | | | | | | GREATEST SNOW DEPTH: 9 | | | DATE :03 | | | MINIMUM : 29.46 09 0654 | | | | | | | | | | | | | | | | | | | | | | | | |
| HEATING: 984 54 | | | | | | | | | NUMBER OF DAYS WITH → | | | MAXIMUM TEMP ≥ 90: 0 | | | MINIMUM TEMP ≤ 32 : 25 | | | PRECIPITATION ≥ 0.01 INCH : 10 | | | | | | | | | | | | | | | | | | | | | |
| COOLING: 0 -1 | | | | | | | | | | | | MAXIMUM TEMP ≤ 32 : 5 | | | MINIMUM TEMP ≤ 0 : 2 | | | PRECIPITATION ≥ 0.10 INCH : 5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | THUNDERSTORMS : 2 | | | HEAVY FOG : 2 | | | SNOWFALL ≥ 1.0 INCH : 3 | | | | | | | | | | | | | | | | | | | | | |

MARCH 2002
ROCKFORD, IL

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

ROCKFORD, IL

MARCH 2002

RFD

WBAN # 94822

| 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 | | | | | | | | | | | | | 01 | | | | | | | | | | | | 01 | | | 0.11 | |
| 02 | 0.02 | T | 0.02 | T | 0.01 | T | T | T | 0.02 | 0.04 | 0.03 | 0.07 | 02 | 0.02 | T 0.01 | T T | T | 0.01 | T | T | T | T | 0.05 | 0.02 | 0.04 | 02 | 0.26 | | 0.56 |
| 03 | 0.04 | T | T | T | T | T | T | | | | | | 03 | | | T | | | | | | T | T | 0.01 | 03 | 0.04 | | 0.01 | |
| 04 | | | | | | | | | | | T | T | 04 | T | | T | T | T | T | T | T | T | T | T | 04 | | | T | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | | T | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | | | 0.00 | |
| 07 | | | | | | | | | | | | | 07 | | | | | | | | | | | | 07 | | | 0.00 | |
| 08 | 0.04 | T | 0.01 | | T | 0.13 | 0.07 | | | | | | 08 | | | | | | | | | | | | 08 | | | 0.25 | |
| 09 | T | 0.11 | 0.08 | 0.09 | 0.05 | 0.04 | 0.08 | T | 0.01 | T | 0.01 | | 09 | | | | | | | | | | | | 09 | 0.47 | | 0.41 | |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | | 10 | | | 0.00 | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | | | 0.00 | |
| 12 | | | | | | | | | | | | | 12 | | | | | | | | | | | | 12 | | | 0.00 | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | | | 0.00 | |
| 14 | | | | | | | | | | | | | 14 | | | | | | | | | | | | 14 | | | 0.00 | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | | | 0.00 | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | 16 | | | 0.00 | |
| 17 | | | | | | | | | | | T | T | 17 | | | | | T | T | | | | | | 17 | | | T | |
| 18 | | | | | | | | | | | | | 18 | | | | | | | | | | | | 18 | | | 0.00 | |
| 19 | | | | | | | | | | | | | 19 | | | | T | T | | T | T | | 0.05 | 0.02 | 19 | | | 0.07 | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | | | 0.00 | |
| 21 | | | | 0.01 | 0.02 | T | | T | | | | | 21 | | | | | | | | | | | | 21 | | | 0.03 | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | | | 22 | | | 0.00 | |
| 23 | | | | | | | | | | | | | 23 | | | | | | | | | | | | 23 | | | 0.00 | |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | 24 | | | 0.00 | |
| 25 | | | | | | T | | | | | | | 25 | | | | | | | | | | | | 25 | | | 0.00 | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | | | 0.00 | |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | | | 0.00 | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | | | 0.02 | |
| 29 | | | | | 0.04 | T | T | 0.01 | 0.05 | 0.07 | 0.06 | 0.03 | 29 | T | T | | 0.01 | | | | | | | | 29 | | | 0.27 | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | | | 0.00 | |
| 31 | | | | | | | | | 0.02 | 0.04 | 0.01 | T | 31 | | | | | | | | | | | | 31 | | | 0.07 | |

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | .09 | .10 | .11 | .11 | .11 | .14 | .15 | .17 | .17 | .19 | .22 | .25 |
| Ending Date | 09 | 09 | 09 | 09 | 09 | 08 | 08 | 08 | 09 | 09 | 09 | 09 |
| Ending Time (Hour/Min) | 0146 | 0148 | 0156 | 0156 | 0148 | 0601 | 0601 | 0627 | 0514 | 0341 | 0350 | 0635 |

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

**ROCKFORD, IL
MARCH 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 | | | | | | | .50 | 10.00 | |
| 02 | | | | | | | .25 | 6.00 | |
| 03 | | | | | | | .75 | 10.00 | |
| 04 | | | | | | | 1.25 | 10.00 | |
| 05 | | | | | | | .00 | 10.00 | |
| 06 | | | | | | | .50 | 10.00 | |
| 07 | | | | | | | 4.00 | 10.00 | |
| 08 | | | | | | | .50 | 10.00 | |
| 09 | | | | | | | 1.50 | 10.00 | |
| 10 | | | | | | | 10.00 | 10.00 | |
| 11 | | | | | | | 10.00 | 10.00 | |
| 12 | | | | | | | .25 | 10.00 | |
| 13 | | | | | | | 1.25 | 10.00 | |
| 14 | | | | | | | 5.00 | 10.00 | |
| 15 | | | | | | | 4.00 | 10.00 | |
| 16 | | | | | | | 10.00 | 10.00 | |
| 17 | | | | | | | 3.00 | 10.00 | |
| 18 | | | | | | | 3.00 | 10.00 | |
| 19 | | | | | | | 1.50 | 8.00 | |
| 20 | | | | | | | 2.00 | 10.00 | |
| 21 | | | | | | | 1.25 | 10.00 | |
| 22 | | | | | | | 10.00 | 10.00 | |
| 23 | | | | | | | 10.00 | 10.00 | |
| 24 | | | | | | | 10.00 | 10.00 | |
| 25 | | | | | | | 10.00 | 10.00 | |
| 26 | | | | | | | 10.00 | 10.00 | |
| 27 | | | | | | | 8.00 | 10.00 | |
| 28 | | | | | | | 5.00 | 10.00 | |
| 29 | | | | | | | 1.50 | 10.00 | |
| 30 | | | | | | | 10.00 | 10.00 | |
| 31 | | | | | | | .50 | 10.00 | |
| MONTHLY AVGS | | | | | | | 4.65 | 9.81 | |

SUNSHINE (MINUTES)

Total:

Possible:

Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR PTLY CLDY CLOUDY MISSING

31

MINIMUM VISIBILITY (MILES)

<=0.25 <=3.0 >=7.0

0 17 10

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MARCH 2002

RFD

WBAN # 94822

| 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>Oktas</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>Oktas</small> | VISIBILITY (MILES) | DRY BULB | | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0632 MAR 01 | | | | | | SUNSET: 1746 | | | | | | SUNRISE: 0622 MAR 07 | | | | | | SUNSET: 1753 | | | | | | | | | | | |
| 03 | BKN | 250 | | | 10.00 | | 19 | 13 | 17 | 77 | 7 | 26 | 29.42 | 30.25 | 03 | OVC | 014 | | | 10.00 | | 29 | 24 | 27 | 82 | 14 | 02 | 29.39 | 30.21 |
| 06 | SCT | NC | | | 10.00 | | 17 | 11 | 15 | 77 | 5 | 35 | 29.49 | 30.32 | 06 | OVC | 012 | | | 10.00 | | 28 | 24 | 27 | 85 | 14 | 03 | 29.40 | 30.23 |
| 09 | OVC | 180 | | | 10.00 | | 20 | 8 | 17 | 60 | 10 | 04 | 29.55 | 30.38 | 09 | OVC | 008 | | | 8.00 | | 31 | 28 | 30 | 89 | 10 | 05 | 29.41 | 30.23 |
| 12 | OVC | 055 | | | 10.00 | | 24 | 11 | 20 | 57 | 9 | 05 | 29.55 | 30.39 | 12 | OVC | 014 | | | 9.00 | | 35 | 28 | 32 | 76 | 13 | 09 | 29.38 | 30.20 |
| 15 | OVC | 130 | | | 10.00 | | 27 | 15 | 23 | 61 | 9 | 08 | 29.50 | 30.33 | 15 | OVC | 036 | | | 7.00 | | 36 | 29 | 33 | 76 | 14 | 09 | 29.32 | 30.15 |
| 18 | OVC | 080 | | | 10.00 | | 27 | 17 | 24 | 66 | 10 | 08 | 29.45 | 30.28 | 18 | OVC | 035 | | | 4.00 | BR | 34 | 30 | 32 | 85 | 12 | 07 | 29.29 | 30.11 |
| 21 | OVC | 009 | | | 1.25 | SN BR | 26 | 22 | 25 | 84 | 10 | 09 | 29.40 | 30.24 | 21 | OVC | 032 | | | 4.00 | BR | 35 | 31 | 33 | 85 | 10 | 10 | 29.20 | 30.02 |
| 24 | VV | 006 | | | 0.50 | -SN FZFG | 28 | 27 | 28 | 96 | 9 | 09 | 29.32 | 30.15 | 24 | OVC | 080 | | | 5.00 | BR | 40 | 31 | 36 | 70 | 16 | 13 | 29.13 | 29.95 |
| SUNRISE: 0630 MAR 02 | | | | | | SUNSET: 1747 | | | | | | SUNRISE: 0620 MAR 08 | | | | | | SUNSET: 1755 | | | | | | | | | | | |
| 03 | OVC | 017 | | | 0.75 | -SN BR | 31 | 29 | 30 | 92 | 12 | 10 | 29.19 | 30.01 | 03 | SCT | NC | | | 4.00 | BR | 43 | 41 | 42 | 93 | 17 | 17 | 29.02 | 29.83 |
| 06 | OVC | 006 | | | 3.00 | -SN BR | 33 | 31 | 32 | 92 | 10 | 13 | 29.13 | 29.95 | 06 | OVC | 040 | | | 4.00 | TSRA BR | 46 | 45 | 46 | 96 | 13 | 21 | 29.04 | 29.85 |
| 09 | OVC | 004 | | | 1.25 | -SN BR | 32 | 32 | 32 | 100 | 5 | 19 | 29.10 | 29.91 | 09 | OVC | 060 | | | 10.00 | | 49 | 46 | 47 | 90 | 9 | 19 | 29.06 | 29.86 |
| 12 | OVC | 004 | | | 0.75 | -SN BR | 33 | 32 | 33 | 96 | 8 | 33 | 28.99 | 29.81 | 12 | OVC | 035 | | | 10.00 | | 54 | 49 | 51 | 83 | 13 | 20 | 29.06 | 29.85 |
| 15 | VV | 006 | | | 0.50 | -SN BR | 22 | 19 | 21 | 89 | 21 | 35 | 28.97 | 29.78 | 15 | OVC | 033 | | | 10.00 | | 59 | 53 | 56 | 81 | 9 | 17 | 29.03 | 29.83 |
| 18 | VV | 010 | | | 0.75 | -SN BR | 20 | 17 | 19 | 89 | 16 | 35 | 28.97 | 29.78 | 18 | OVC | 041 | | | 10.00 | | 57 | 50 | 53 | 78 | 13 | 17 | 29.05 | 29.84 |
| 21 | OVC | 014 | | | 1.50 | -SN BLSN | 19 | 17 | 18 | 92 | 18 | 35 | 28.99 | 29.80 | 21 | OVC | 070 | | | 10.00 | | 57 | 48 | 52 | 72 | 16 | 18 | 29.01 | 29.81 |
| 24 | OVC | 035 | | | 0.75 | SN BLSN | 18 | 14 | 17 | 84 | 18 | 33 | 29.03 | 29.85 | 24 | BKN | 150 | | | 10.00 | | 55 | 48 | 51 | 77 | 12 | 16 | 28.90 | 29.69 |
| SUNRISE: 0628 MAR 03 | | | | | | SUNSET: 1749 | | | | | | SUNRISE: 0619 MAR 09 | | | | | | SUNSET: 1756 | | | | | | | | | | | |
| 03 | BKN | 050 | | | 6.00 | -SN BLSN | 14 | 8 | 13 | 77 | 16 | 32 | 29.08 | 29.90 | 03 | OVC | 055 | | | 10.00 | -TSRA | 55 | 51 | 53 | 87 | 28 | 18 | 28.76 | 29.55 |
| 06 | OVC | 032 | | | 2.50 | -SN BLSN | 11 | 5 | 10 | 77 | 14 | 32 | 29.13 | 29.97 | 06 | OVC | 070 | | | 7.00 | -RA | 53 | 50 | 51 | 89 | 13 | 20 | 28.74 | 29.53 |
| 09 | SCT | NC | | | 10.00 | | 8 | -2 | 6 | 63 | 15 | 32 | 29.21 | 30.05 | 09 | OVC | 009 | | | 4.00 | -RA BR | 34 | 32 | 33 | 92 | 22 | 25 | 28.77 | 29.56 |
| 12 | CLR | NC | | | 10.00 | | 11 | 0 | 9 | 61 | 15 | 29 | 29.27 | 30.11 | 12 | OVC | 022 | | | 10.00 | | 25 | 17 | 22 | 72 | 35 | 27 | 28.90 | 29.70 |
| 15 | SCT | NC | | | 10.00 | | 10 | -1 | 8 | 61 | 18 | 29 | 29.29 | 30.14 | 15 | OVC | 015 | | | 4.00 | -SN | 24 | 18 | 22 | 77 | 39 | 28 | 29.06 | 29.86 |
| 18 | BKN | 050 | | | 10.00 | | 6 | -7 | 4 | 54 | 16 | 29 | 29.35 | 30.20 | 18 | BKN | 030 | | | 7.00 | | 25 | 19 | 23 | 78 | 35 | 27 | 29.25 | 30.06 |
| 21 | SCT | NC | | | 10.00 | | -1 | -13 | -2 | 56 | 14 | 28 | 29.39 | 30.24 | 21 | BKN | 035 | | | 10.00 | | 21 | 10 | 18 | 62 | 23 | 28 | 29.39 | 30.22 |
| 24 | CLR | NC | | | 10.00 | | -4 | -10 | -5 | 75 | 13 | 27 | 29.37 | 30.23 | 24 | FEW | NC | | | 10.00 | | 19 | 7 | 16 | 59 | 26 | 28 | 29.47 | 30.31 |
| SUNRISE: 0627 MAR 04 | | | | | | SUNSET: 1750 | | | | | | SUNRISE: 0617 MAR 10 | | | | | | SUNSET: 1757 | | | | | | | | | | | |
| 03 | CLR | NC | | | 10.00 | | -6 | -12 | -7 | 75 | 10 | 27 | 29.37 | 30.23 | 03 | CLR | NC | | | 10.00 | | 15 | 4 | 13 | 61 | 22 | 28 | 29.53 | 30.37 |
| 06 | CLR | NC | | | 10.00 | | -9 | -15 | -10 | 75 | 8 | 25 | 29.38 | 30.24 | 06 | CLR | NC | | | 10.00 | | 12 | -1 | 9 | 56 | 20 | 29 | 29.60 | 30.45 |
| 09 | SCT | NC | | | 10.00 | | -4 | -11 | -5 | 71 | 9 | 19 | 29.40 | 30.26 | 09 | CLR | NC | | | 10.00 | | 17 | 1 | 13 | 49 | 25 | 29 | 29.69 | 30.54 |
| 12 | OVC | 250 | | | 10.00 | | 7 | -4 | 5 | 60 | 15 | 20 | 29.33 | 30.19 | 12 | FEW | NC | | | 10.00 | | 23 | 4 | 18 | 44 | 16 | 29 | 29.71 | 30.56 |
| 15 | OVC | 030 | | | 5.00 | -SN BLSN | 10 | 3 | 9 | 73 | 20 | 18 | 29.28 | 30.13 | 15 | FEW | NC | | | 10.00 | | 28 | 7 | 22 | 41 | 16 | 29 | 29.68 | 30.52 |
| 18 | OVC | 055 | | | 3.00 | -SN BLSN | 11 | 6 | 10 | 81 | 10 | 19 | 29.28 | 30.14 | 18 | FEW | NC | | | 10.00 | | 25 | 7 | 20 | 46 | 8 | 27 | 29.62 | 30.47 |
| 21 | OVC | 065 | | | 10.00 | | 14 | 10 | 13 | 84 | 9 | 19 | 29.28 | 30.13 | 21 | FEW | NC | | | 10.00 | | 22 | 14 | 20 | 71 | 5 | 20 | 29.61 | 30.45 |
| 24 | CLR | NC | | | 9.00 | | 11 | 9 | 10 | 92 | 10 | 20 | 29.29 | 30.14 | 24 | BKN | 200 | | | 10.00 | | 22 | 16 | 20 | 78 | 5 | 15 | 29.57 | 30.41 |
| SUNRISE: 0625 MAR 05 | | | | | | SUNSET: 1751 | | | | | | SUNRISE: 0615 MAR 11 | | | | | | SUNSET: 1758 | | | | | | | | | | | |
| 03 | CLR | NC | | | 9.00 | | 13 | 9 | 12 | 84 | 5 | 20 | 29.33 | 30.18 | 03 | SCT | NC | | | 10.00 | | 22 | 15 | 20 | 75 | 6 | 15 | 29.49 | 30.32 |
| 06 | OVC | 110 | | | 9.00 | | 12 | 9 | 11 | 87 | 5 | 21 | 29.38 | 30.23 | 06 | OVC | 180 | | | 10.00 | | 24 | 16 | 22 | 71 | 13 | 16 | 29.43 | 30.26 |
| 09 | OVC | 150 | | | 7.00 | | 17 | 12 | 16 | 80 | 5 | 20 | 29.43 | 30.27 | 09 | OVC | 150 | | | 10.00 | | 31 | 20 | 27 | 64 | 17 | 18 | 29.36 | 30.19 |
| 12 | OVC | 037 | | | 5.00 | -SN | 23 | 18 | 21 | 81 | 9 | 16 | 29.39 | 30.23 | 12 | OVC | 200 | | | 10.00 | | 42 | 24 | 35 | 49 | 21 | 19 | 29.28 | 30.11 |
| 15 | OVC | 150 | | | 9.00 | | 27 | 21 | 25 | 78 | 12 | 13 | 29.28 | 30.12 | 15 | OVC | 200 | | | 10.00 | | 45 | 25 | 37 | 46 | 17 | 20 | 29.19 | 30.01 |
| 18 | BKN | 250 | | | 9.00 | | 27 | 20 | 25 | 75 | 5 | 08 | 29.25 | 30.09 | 18 | BKN | 250 | | | 10.00 | | 40 | 28 | 35 | 63 | 6 | 18 | 29.21 | 30.03 |
| 21 | OVC | 110 | | | 9.00 | | 28 | 21 | 26 | 75 | 6 | 09 | 29.23 | 30.06 | 21 | CLR | NC | | | 10.00 | | 32 | 27 | 30 | 82 | 5 | 15 | 29.21 | 30.03 |
| 24 | OVC | 110 | | | 8.00 | | 27 | 22 | 25 | 81 | 5 | 06 | 29.19 | 30.02 | 24 | CLR | NC | | | 10.00 | | 29 | 26 | 28 | 89 | 7 | 16 | 29.22 | 30.03 |
| SUNRISE: 0623 MAR 06 | | | | | | SUNSET: 1752 | | | | | | SUNRISE: 0613 MAR 12 | | | | | | SUNSET: 1759 | | | | | | | | | | | |
| 03 | SCT | NC | | | 6.00 | BR | 23 | 21 | 22 | 92 | 3 | 01 | 29.18 | 30.01 | 03 | CLR | NC | | | 7.00 | | 27 | 25 | 26 | 92 | 5 | 18 | 29.22 | 30.03 |
| 06 | BKN | 250 | | | 1.50 | BR | 18 | 15 | 17 | 88 | 0 | 00 | 29.20 | 30.03 | 06 | CLR | NC | | | 1.50 | BR | 25 | 24 | 25 | 96 | 0 | 00 | 29.24 | 30.06 |
| 09 | FEW | NC | | | 3.00 | BR | 28 | 24 | 27 | 85 | 6 | 36 | 29.25 | 30.08 | 09 | CLR | NC | | | 6.00 | HZ | 37 | 30 | 34 | 76 | 0 | 00 | 29.25 | 30.07 |
| 12 | OVC | 010 | | | 4.00 | HZ | 35 | 29 | 33 | 78 | 14 | 07 | 29.27 | 30.09 | 12 | SCT | NC | | | 9.00 | | 48 | 32 | 41 | 54 | 5 | VR | 29.22 | 30.03 |
| 15 | BKN | 250 | | | 7.00 | | 37 | 29 | 34 | 73 | 15 | 05 | 29.29 | 30.11 | 15 | FEW | NC | | | 10.00 | | 52 | 29 | 42 | 41 | 10 | 20 | 29.15 | 29.97 |
| 18 | OVC | 012 | | | 7.00 | | 34 | 30 | 32 | 85 | 9 | 06 | 29.33 | 30.16 | 18 | SCT | NC | | | 10.00 | | 45 | 33 | 40 | 63 | 10 | 17</ | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MARCH 2002

RFD

WBAN # 94822

| 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: 0612 | | | | | | MAR 13 | | | | | | SUNSET: 1800 | | | | | | SUNRISE: 0601 | | | | | | MAR 19 | | | | | | SUNSET: 1806 | | | | | |
| 03 | CLR | NC | | | 2.50 | BR | 33 | 32 | 33 | 96 | 10 | 17 | 29.05 | 29.85 | 03 | CLR | NC | | | 7.00 | | | 33 | 28 | 31 | 82 | 9 | 10 | 29.44 | 30.25 | | | | | |
| 06 | SCT | NC | | | 3.00 | BR | 34 | 32 | 33 | 92 | 10 | 19 | 29.01 | 29.81 | 06 | SCT | NC | | | 6.00 | BR | | 31 | 28 | 30 | 89 | 7 | 09 | 29.42 | 30.24 | | | | | |
| 09 | FEW | NC | | | 6.00 | HZ | 43 | 37 | 40 | 80 | 16 | 20 | 28.98 | 29.78 | 09 | OVC | 250 | | | 5.00 | HZ | | 39 | 33 | 37 | 79 | 12 | 12 | 29.37 | 30.19 | | | | | |
| 12 | BKN | 250 | | | 9.00 | | 53 | 37 | 46 | 55 | 14 | 29 | 28.99 | 29.79 | 12 | OVC | 150 | | | 7.00 | | | 49 | 37 | 43 | 64 | 9 | 16 | 29.31 | 30.13 | | | | | |
| 15 | BKN | 250 | | | 9.00 | | 57 | 36 | 47 | 45 | 9 | 33 | 29.00 | 29.80 | 15 | OVC | 048 | | | 7.00 | | | 49 | 38 | 44 | 66 | 7 | 14 | 29.27 | 30.08 | | | | | |
| 18 | OVC | 150 | | | 10.00 | | 51 | 34 | 43 | 52 | 6 | 34 | 29.04 | 29.85 | 18 | OVC | 038 | | | 6.00 | HZ | | 47 | 39 | 43 | 74 | 6 | 13 | 29.26 | 30.08 | | | | | |
| 21 | BKN | 250 | | | 10.00 | | 48 | 34 | 42 | 58 | 10 | 03 | 29.11 | 29.91 | 21 | OVC | 016 | | | 2.00 | -RA BR | | 44 | 42 | 43 | 93 | 0 | 00 | 29.25 | 30.06 | | | | | |
| 24 | CLR | NC | | | 10.00 | | 41 | 31 | 37 | 67 | 13 | 04 | 29.14 | 29.95 | 24 | OVC | 004 | | | 1.75 | BR | | 40 | 39 | 40 | 97 | 3 | 35 | 29.24 | 30.05 | | | | | |
| SUNRISE: 0610 | | | | | | MAR 14 | | | | | | SUNSET: 1800 | | | | | | SUNRISE: 0560 | | | | | | MAR 20 | | | | | | SUNSET: 1807 | | | | | |
| 03 | FEW | NC | | | 9.00 | | 38 | 33 | 36 | 83 | 18 | 07 | 29.12 | 29.93 | 03 | OVC | 004 | | | 3.00 | BR | | 38 | 37 | 38 | 97 | 14 | 34 | 29.22 | 30.03 | | | | | |
| 06 | BKN | 250 | | | 10.00 | | 35 | 31 | 33 | 85 | 18 | 06 | 29.11 | 29.91 | 06 | OVC | 008 | | | 8.00 | | | 35 | 33 | 34 | 93 | 13 | 36 | 29.29 | 30.10 | | | | | |
| 09 | OVC | 037 | | | 6.00 | HZ | 42 | 35 | 39 | 76 | 17 | 07 | 29.07 | 29.87 | 09 | BKN | 016 | | | 8.00 | | | 37 | 31 | 35 | 79 | 13 | 36 | 29.36 | 30.17 | | | | | |
| 12 | OVC | 049 | | | 5.00 | HZ | 48 | 38 | 43 | 68 | 17 | 09 | 28.94 | 29.74 | 12 | OVC | 025 | | | 10.00 | | | 42 | 31 | 37 | 65 | 12 | 32 | 29.40 | 30.22 | | | | | |
| 15 | OVC | 040 | | | 7.00 | | 51 | 40 | 46 | 66 | 17 | 09 | 28.77 | 29.57 | 15 | FEW | NC | | | 10.00 | | | 46 | 30 | 39 | 54 | 8 | 29 | 29.36 | 30.17 | | | | | |
| 18 | BKN | 250 | | | 7.00 | | 49 | 40 | 45 | 71 | 12 | 05 | 28.73 | 29.53 | 18 | CLR | NC | | | 10.00 | | | 44 | 29 | 38 | 55 | 7 | 22 | 29.34 | 30.16 | | | | | |
| 21 | BKN | 250 | | | 7.00 | | 43 | 39 | 41 | 86 | 8 | 09 | 28.70 | 29.50 | 21 | CLR | NC | | | 9.00 | | | 38 | 31 | 35 | 76 | 8 | 20 | 29.36 | 30.17 | | | | | |
| 24 | SCT | NC | | | 10.00 | | 52 | 41 | 47 | 66 | 13 | 25 | 28.74 | 29.53 | 24 | OVC | 065 | | | 7.00 | | | 37 | 32 | 35 | 82 | 7 | 21 | 29.30 | 30.11 | | | | | |
| SUNRISE: 0608 | | | | | | MAR 15 | | | | | | SUNSET: 1802 | | | | | | SUNRISE: 0558 | | | | | | MAR 21 | | | | | | SUNSET: 1808 | | | | | |
| 03 | BKN | 017 | | | 7.00 | | 39 | 33 | 37 | 79 | 21 | 26 | 28.84 | 29.64 | 03 | OVC | 014 | | | 10.00 | | | 34 | 30 | 32 | 85 | 21 | 35 | 29.33 | 30.14 | | | | | |
| 06 | OVC | 022 | | | 8.00 | | 38 | 30 | 35 | 73 | 17 | 27 | 28.96 | 29.76 | 06 | FEW | NC | | | 10.00 | | | 23 | 14 | 20 | 68 | 21 | 34 | 29.49 | 30.31 | | | | | |
| 09 | OVC | 025 | | | 10.00 | | 36 | 27 | 32 | 70 | 16 | 30 | 29.02 | 29.82 | 09 | SCT | NC | | | 10.00 | | | 20 | 6 | 16 | 55 | 21 | 34 | 29.60 | 30.44 | | | | | |
| 12 | OVC | 029 | | | 10.00 | | 39 | 23 | 33 | 53 | 15 | 31 | 29.13 | 29.94 | 12 | SCT | NC | | | 10.00 | | | 20 | 5 | 16 | 52 | 24 | 32 | 29.66 | 30.49 | | | | | |
| 15 | OVC | 034 | | | 10.00 | | 40 | 24 | 34 | 53 | 12 | 34 | 29.16 | 29.98 | 15 | SCT | NC | | | 10.00 | | | 21 | 0 | 16 | 39 | 23 | 31 | 29.64 | 30.48 | | | | | |
| 18 | OVC | 033 | | | 10.00 | | 36 | 22 | 31 | 57 | 14 | 01 | 29.25 | 30.07 | 18 | SCT | NC | | | 10.00 | | | 20 | 3 | 16 | 48 | 18 | 29 | 29.64 | 30.48 | | | | | |
| 21 | OVC | 039 | | | 10.00 | | 36 | 24 | 32 | 62 | 16 | 01 | 29.31 | 30.13 | 21 | FEW | NC | | | 10.00 | | | 17 | 2 | 14 | 51 | 25 | 30 | 29.66 | 30.51 | | | | | |
| 24 | OVC | 035 | | | 10.00 | | 34 | 23 | 30 | 64 | 14 | 01 | 29.36 | 30.18 | 24 | FEW | NC | | | 10.00 | | | 14 | 3 | 12 | 61 | 14 | 30 | 29.65 | 30.50 | | | | | |
| SUNRISE: 0607 | | | | | | MAR 16 | | | | | | SUNSET: 1803 | | | | | | SUNRISE: 0556 | | | | | | MAR 22 | | | | | | SUNSET: 1810 | | | | | |
| 03 | CLR | NC | | | 10.00 | | 30 | 22 | 27 | 72 | 13 | 01 | 29.42 | 30.24 | 03 | CLR | NC | | | 10.00 | | | 13 | 5 | 11 | 70 | 16 | 29 | 29.60 | 30.45 | | | | | |
| 06 | OVC | 021 | | | 10.00 | | 31 | 22 | 28 | 69 | 15 | 03 | 29.47 | 30.29 | 06 | FEW | NC | | | 10.00 | | | 13 | 5 | 11 | 70 | 12 | 27 | 29.57 | 30.42 | | | | | |
| 09 | SCT | NC | | | 10.00 | | 32 | 20 | 28 | 61 | 13 | 07 | 29.55 | 30.37 | 09 | FEW | NC | | | 10.00 | | | 21 | 7 | 17 | 54 | 21 | 28 | 29.54 | 30.38 | | | | | |
| 12 | SCT | NC | | | 10.00 | | 40 | 24 | 34 | 53 | 7 | VR | 29.58 | 30.41 | 12 | CLR | NC | | | 10.00 | | | 31 | 6 | 24 | 35 | 23 | 27 | 29.45 | 30.28 | | | | | |
| 15 | CLR | NC | | | 10.00 | | 46 | 18 | 36 | 33 | 14 | 07 | 29.52 | 30.34 | 15 | CLR | NC | | | 10.00 | | | 36 | 5 | 27 | 27 | 23 | 28 | 29.37 | 30.20 | | | | | |
| 18 | FEW | NC | | | 10.00 | | 40 | 14 | 31 | 35 | 12 | 07 | 29.50 | 30.32 | 18 | CLR | NC | | | 10.00 | | | 34 | 6 | 26 | 31 | 15 | 25 | 29.34 | 30.17 | | | | | |
| 21 | FEW | NC | | | 10.00 | | 30 | 19 | 26 | 64 | 10 | 07 | 29.52 | 30.35 | 21 | CLR | NC | | | 10.00 | | | 30 | 10 | 24 | 43 | 10 | 25 | 29.32 | 30.15 | | | | | |
| 24 | SCT | NC | | | 10.00 | | 29 | 25 | 28 | 85 | 13 | 06 | 29.48 | 30.30 | 24 | CLR | NC | | | 10.00 | | | 27 | 12 | 23 | 53 | 13 | 23 | 29.29 | 30.11 | | | | | |
| SUNRISE: 0605 | | | | | | MAR 17 | | | | | | SUNSET: 1804 | | | | | | SUNRISE: 0555 | | | | | | MAR 23 | | | | | | SUNSET: 1811 | | | | | |
| 03 | OVC | 120 | | | 10.00 | | 32 | 25 | 29 | 75 | 12 | 08 | 29.42 | 30.24 | 03 | CLR | NC | | | 10.00 | | | 26 | 12 | 22 | 55 | 12 | 22 | 29.25 | 30.07 | | | | | |
| 06 | OVC | 090 | | | 10.00 | | 33 | 25 | 30 | 72 | 12 | 09 | 29.37 | 30.19 | 06 | CLR | NC | | | 10.00 | | | 26 | 8 | 21 | 46 | 15 | 23 | 29.21 | 30.04 | | | | | |
| 09 | OVC | 075 | | | 10.00 | | 34 | 25 | 31 | 70 | 10 | 08 | 29.35 | 30.17 | 09 | CLR | NC | | | 10.00 | | | 37 | 11 | 29 | 34 | 22 | 24 | 29.19 | 30.01 | | | | | |
| 12 | OVC | 055 | | | 10.00 | | 37 | 31 | 35 | 79 | 14 | 05 | 29.29 | 30.11 | 12 | CLR | NC | | | 10.00 | | | 45 | 15 | 34 | 30 | 15 | 24 | 29.17 | 29.99 | | | | | |
| 15 | OVC | 024 | | | 10.00 | | 42 | 31 | 37 | 65 | 8 | 08 | 29.22 | 30.03 | 15 | BKN | 250 | | | 10.00 | | | 49 | 14 | 36 | 25 | 15 | 29 | 29.13 | 29.95 | | | | | |
| 18 | OVC | 022 | | | 10.00 | | 37 | 30 | 34 | 76 | 12 | 10 | 29.21 | 30.03 | 18 | BKN | 250 | | | 10.00 | | | 43 | 15 | 33 | 32 | 7 | 28 | 29.14 | 29.96 | | | | | |
| 21 | OVC | 013 | | | 8.00 | | 35 | 31 | 33 | 85 | 6 | 06 | 29.25 | 30.07 | 21 | BKN | 250 | | | 10.00 | | | 37 | 15 | 30 | 41 | 0 | 00 | 29.20 | 30.01 | | | | | |
| 24 | OVC | 005 | | | 3.00 | BR | 35 | 33 | 34 | 93 | 3 | 28 | 29.27 | 30.09 | 24 | OVC | 200 | | | 10.00 | | | 35 | 18 | 29 | 50 | 8 | 01 | 29.21 | 30.03 | | | | | |
| SUNRISE: 0603 | | | | | | MAR 18 | | | | | | SUNSET: 1805 | | | | | | SUNRISE: 0553 | | | | | | MAR 24 | | | | | | SUNSET: 1812 | | | | | |
| 03 | OVC | 006 | | | 4.00 | BR | 35 | 33 | 34 | 93 | 6 | 27 | 29.32 | 30.14 | 03 | OVC | 065 | | | 10.00 | | | 34 | 24 | 30 | 67 | 6 | 01 | 29.21 | 30.03 | | | | | |
| 06 | OVC | 032 | | | 4.00 | BR | 33 | 31 | 32 | 92 | 6 | 33 | 29.38 | 30.20 | 06 | OVC | 080 | | | 10.00 | | | 33 | 26 | 30 | 75 | 13 | 01 | 29.20 | 30.01 | | | | | |
| 09 | BKN | 028 | | | 10.00 | | 39 | 29 | 35 | 67 | 6 | 35 | 29.45 | 30.27 | 09 | OVC | 060 | | | 10.00 | | | 36 | 21 | 31 | 55 | 13 | 01 | 29.26 | 30.08 | | | | | |
| 12 | BKN | 250 | | | 10.00 | | 45 | 29 | 38 | 54 | 6 | VR | 29.48 | 30.29 | 12 | OVC | 130 | | | 10.00 | | | 40 | 18 | 32 | 41 | 14 | 05 | 29.28 | 30.10 | | | | | |
| 15 | BKN | 250 | | | 10.00 | | 49 | 30 | 41 | 48 | 5 | VR | 29.46 | 30.27 | 15 | OVC | 130 | | | 10.00 | | | 39 | 17 | 31 | 41 | 15 | 06 | 29.28 | 30.10 | | | | | |
| 18 | OVC | 250 | | | 9.00 | | 44 | 32 | 39 | 63 | 9 | 07 | 29.47 | 30.29 | 18 | OVC | 090 | | | 10.00 | | | 31 | 20 | 27 | 64 | 24 | 06 | 29.34 | 30.16 | | | | | |
| 21 | SCT | NC | | | 10.00 | | 38 | 31 | 35 | 76 | 12 | 13 | 29.49 | 30.31 | 21 | OVC | 085 | | | 10.00 | | | 26 | 14 | 22 | 60 | 26 | 04 | 29.43 | 30.25 | | | | | |
| 24 | CLR | NC | | | 7.00 | | 34 | 29 | 32 | 82 | 7 | 12 | 29.48 | 30.29 | 24 | BKN | 110 | | | 10.00 | | | 24 | 12 | 21 | 60 | 20 | 04 | 29.46 | 30.28 | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

ROCKFORD, IL

MARCH 2002

RFD

WBAN # 94822

| HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | |
|------------|-----------|-----|------------------------|---------------------------|---------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|
| | | | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | SUNRISE: 0551 | | MAR 25 | SUNSET: 1813 | | | | | | | |
| 03 | OVC | 095 | | | 10.00 | | 23 | 13 | 20 | 65 | 17 | 06 | 29.46 | 30.29 |
| 06 | OVC | 026 | | | 10.00 | | 21 | 11 | 18 | 65 | 22 | 05 | 29.47 | 30.30 |
| 09 | OVC | 150 | | | 10.00 | | 22 | 11 | 19 | 63 | 18 | 05 | 29.53 | 30.36 |
| 12 | BKN | 150 | | | 10.00 | | 29 | 12 | 24 | 49 | 21 | 03 | 29.53 | 30.36 |
| 15 | SCT | NC | | | 10.00 | | 33 | 14 | 27 | 45 | 17 | 05 | 29.49 | 30.32 |
| 18 | SCT | NC | | | 10.00 | | 27 | 13 | 23 | 55 | 16 | 06 | 29.52 | 30.35 |
| 21 | OVC | 110 | | | 10.00 | | 27 | 15 | 23 | 61 | 14 | 03 | 29.51 | 30.35 |
| 24 | OVC | 100 | | | 10.00 | | 26 | 18 | 23 | 71 | 15 | 01 | 29.47 | 30.30 |
| | | | | SUNRISE: 0549 | | MAR 26 | SUNSET: 1814 | | | | | | | |
| 03 | OVC | 110 | | | 10.00 | | 25 | 19 | 23 | 78 | 15 | 02 | 29.41 | 30.24 |
| 06 | BKN | 085 | | | 10.00 | | 26 | 19 | 24 | 75 | 13 | 01 | 29.40 | 30.23 |
| 09 | OVC | 040 | | | 10.00 | | 31 | 19 | 27 | 61 | 16 | 02 | 29.40 | 30.23 |
| 12 | SCT | NC | | | 10.00 | | 37 | 18 | 30 | 46 | 12 | 33 | 29.39 | 30.21 |
| 15 | FEW | NC | | | 10.00 | | 41 | 19 | 33 | 41 | 12 | 01 | 29.38 | 30.20 |
| 18 | CLR | NC | | | 10.00 | | 36 | 18 | 30 | 48 | 12 | 35 | 29.41 | 30.23 |
| 21 | CLR | NC | | | 10.00 | | 29 | 18 | 25 | 64 | 0 | 00 | 29.43 | 30.26 |
| 24 | CLR | NC | | | 10.00 | | 23 | 18 | 21 | 81 | 3 | 23 | 29.44 | 30.27 |
| | | | | SUNRISE: 0548 | | MAR 27 | SUNSET: 1815 | | | | | | | |
| 03 | SCT | NC | | | 10.00 | | 22 | 18 | 21 | 85 | 3 | 16 | 29.43 | 30.25 |
| 06 | SCT | NC | | | 10.00 | | 19 | 16 | 18 | 88 | 3 | 17 | 29.45 | 30.27 |
| 09 | CLR | NC | | | 10.00 | | 38 | 20 | 32 | 48 | 9 | 17 | 29.46 | 30.29 |
| 12 | CLR | NC | | | 10.00 | | 47 | 17 | 36 | 30 | 6 | VR | 29.42 | 30.24 |
| 15 | SCT | NC | | | 10.00 | | 50 | 18 | 38 | 28 | 10 | 17 | 29.34 | 30.16 |
| 18 | SCT | NC | | | 10.00 | | 43 | 23 | 35 | 45 | 16 | 18 | 29.32 | 30.14 |
| 21 | CLR | NC | | | 10.00 | | 37 | 28 | 34 | 70 | 17 | 15 | 29.31 | 30.13 |
| 24 | OVC | 100 | | | 9.00 | | 33 | 26 | 30 | 75 | 13 | 14 | 29.27 | 30.08 |
| | | | | SUNRISE: 0546 | | MAR 28 | SUNSET: 1816 | | | | | | | |
| 03 | FEW | NC | | | 10.00 | | 33 | 23 | 29 | 67 | 13 | 15 | 29.21 | 30.02 |
| 06 | BKN | 100 | | | 9.00 | | 34 | 25 | 31 | 70 | 17 | 16 | 29.15 | 29.96 |
| 09 | OVC | 075 | | | 9.00 | -RA | 39 | 30 | 35 | 70 | 18 | 19 | 29.12 | 29.92 |
| 12 | BKN | 250 | | | 8.00 | | 46 | 40 | 43 | 79 | 23 | 19 | 29.01 | 29.82 |
| 15 | BKN | 025 | | | 9.00 | | 51 | 38 | 45 | 61 | 14 | 23 | 29.02 | 29.82 |
| 18 | BKN | 250 | | | 10.00 | | 52 | 38 | 45 | 59 | 6 | 20 | 29.00 | 29.80 |
| 21 | FEW | NC | | | 7.00 | | 40 | 35 | 38 | 83 | 7 | 16 | 29.03 | 29.84 |
| 24 | CLR | NC | | | 5.00 | BR | 37 | 35 | 36 | 93 | 7 | 15 | 29.05 | 29.85 |
| | | | | SUNRISE: 0544 | | MAR 29 | SUNSET: 1818 | | | | | | | |
| 03 | OVC | 047 | | | 2.00 | BR | 37 | 36 | 37 | 96 | 5 | 14 | 29.01 | 29.81 |
| 06 | OVC | 075 | | | 3.00 | BR | 41 | 39 | 40 | 93 | 3 | 23 | 29.00 | 29.80 |
| 09 | OVC | 035 | | | 2.50 | -RA BR | 43 | 41 | 42 | 93 | 0 | 00 | 29.03 | 29.83 |
| 12 | OVC | 050 | | | 3.00 | -RA BR | 44 | 41 | 43 | 89 | 6 | 15 | 28.97 | 29.78 |
| 15 | BKN | 100 | | | 10.00 | | 50 | 40 | 45 | 68 | 5 | VR | 28.95 | 29.75 |
| 18 | SCT | NC | | | 10.00 | | 49 | 40 | 45 | 71 | 8 | 20 | 28.94 | 29.74 |
| 21 | FEW | NC | | | 10.00 | | 42 | 25 | 35 | 51 | 8 | 25 | 29.03 | 29.83 |
| 24 | CLR | NC | | | 10.00 | | 41 | 23 | 34 | 49 | 10 | 28 | 29.07 | 29.87 |
| | | | | SUNRISE: 0543 | | MAR 30 | SUNSET: 1819 | | | | | | | |
| 03 | SCT | NC | | | 10.00 | | 36 | 25 | 32 | 64 | 8 | 25 | 29.09 | 29.89 |
| 06 | FEW | NC | | | 10.00 | | 34 | 26 | 31 | 73 | 8 | 24 | 29.13 | 29.94 |
| 09 | FEW | NC | | | 10.00 | | 43 | 28 | 37 | 56 | 15 | 29 | 29.15 | 29.96 |
| 12 | BKN | 250 | | | 10.00 | | 48 | 24 | 38 | 39 | 15 | 29 | 29.19 | 30.01 |
| 15 | BKN | 250 | | | 10.00 | | 50 | 20 | 38 | 31 | 21 | 26 | 29.21 | 30.02 |
| 18 | BKN | 250 | | | 10.00 | | 47 | 22 | 37 | 37 | 10 | 24 | 29.23 | 30.05 |
| 21 | SCT | NC | | | 10.00 | | 38 | 17 | 31 | 43 | 8 | 30 | 29.26 | 30.07 |
| 24 | FEW | NC | | | 10.00 | | 33 | 20 | 29 | 59 | 3 | 19 | 29.28 | 30.09 |
| | | | | SUNRISE: 0541 | | MAR 31 | SUNSET: 1820 | | | | | | | |
| 03 | SCT | NC | | | 10.00 | | 28 | 20 | 25 | 72 | 0 | 00 | 29.26 | 30.08 |
| 06 | OVC | 070 | | | 10.00 | | 30 | 23 | 28 | 75 | 5 | 19 | 29.27 | 30.09 |
| 09 | OVC | 009 | | | 0.50 | SN FG | 32 | 31 | 32 | 96 | 8 | 28 | 29.29 | 30.11 |
| 12 | OVC | 010 | | | 10.00 | | 38 | 34 | 36 | 86 | 10 | 22 | 29.25 | 30.07 |
| 15 | BKN | 070 | | | 10.00 | | 46 | 27 | 38 | 47 | 13 | 24 | 29.17 | 29.99 |
| 18 | SCT | NC | | | 10.00 | | 43 | 19 | 34 | 38 | 14 | 30 | 29.17 | 29.99 |
| 21 | CLR | NC | | | 10.00 | | 32 | 20 | 28 | 61 | 7 | 30 | 29.22 | 30.04 |
| 24 | FEW | NC | | | 10.00 | | 29 | 20 | 26 | 69 | 8 | 28 | 29.23 | 30.05 |

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 Visibility = 8/8.

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.

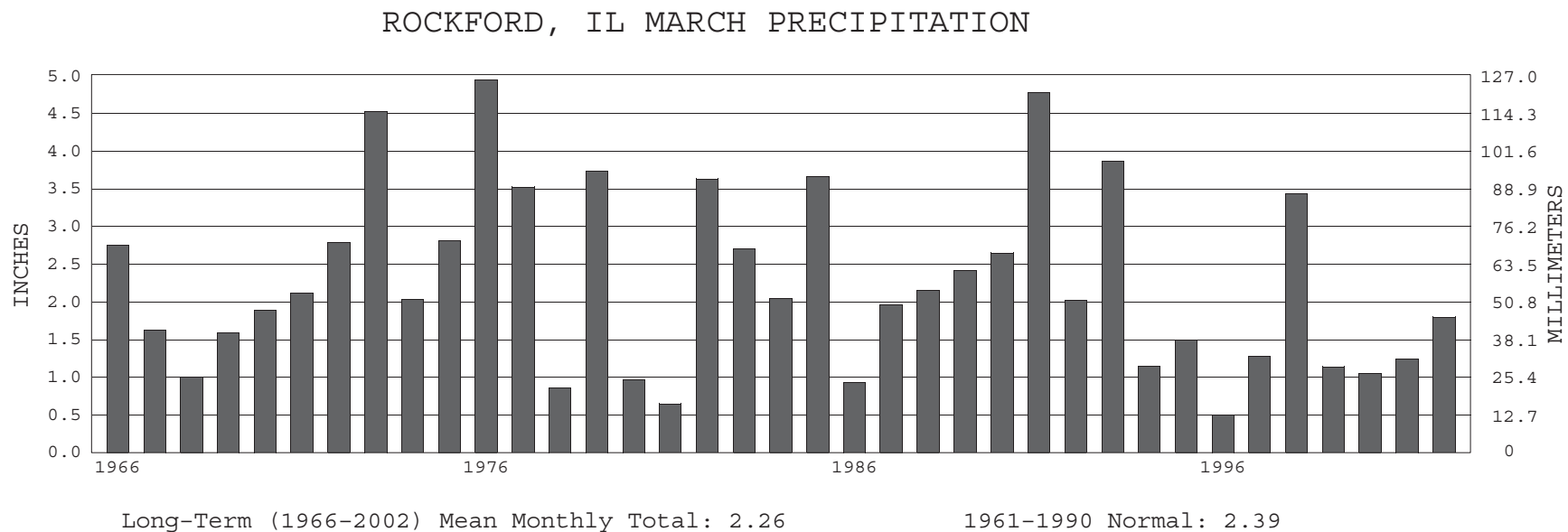
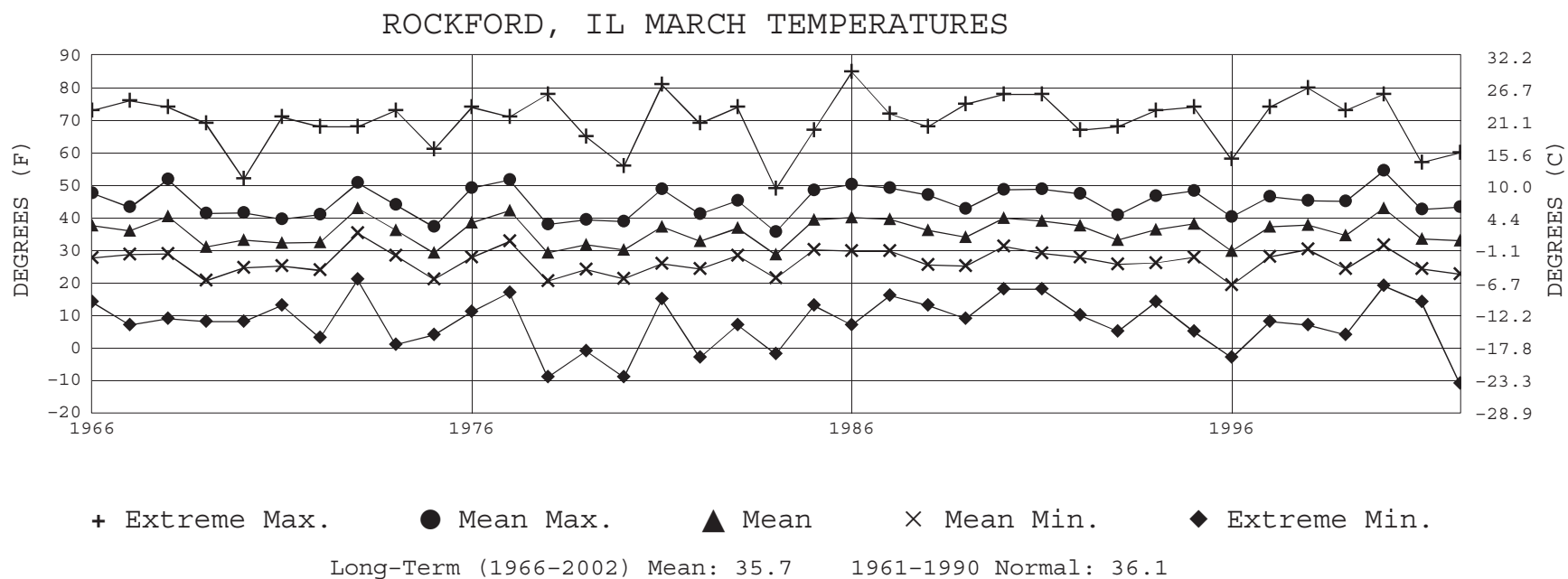
NC= No ceiling detected.

& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

| HOUR (LST) | AVERAGES | | | | | | | | | | RESULTANT | |
|------------|------------|-------------|----------|-----------|----------|-------------------|-----------------------|-----------|--------------------|------------------|------------|-----------|
| | CEILOMETER | EFF CLD AMT | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY | PRESSURE (INCHES, HG) | | VISIBILITY (MILES) | WIND SPEED (MPH) | WIND (MPH) | |
| | | | | | | | STATION | SEA LEVEL | | | SPEED | DIRECTION |
| 01 | | | 30 | 22 | 27 | 74 | 29.27 | 30.09 | 8.09 | 11 | 1 | 31 |
| 02 | | | 29 | 23 | 27 | 78 | 29.27 | 30.09 | 7.57 | 10 | 1 | 34 |
| 03 | | | 28 | 22 | 26 | 80 | 29.26 | 30.08 | 7.98 | 12 | 1 | 31 |
| 04 | | | 28 | 22 | 26 | 80 | 29.26 | 30.08 | 7.68 | 12 | 1 | 32 |
| 05 | | | 27 | 22 | 25 | 80 | 29.27 | 30.09 | 7.67 | 12 | 1 | 34 |
| 06 | | | 27 | 21 | 25 | 79 | 29.27 | 30.10 | 7.73 | 11 | 1 | 33 |
| 07 | | | 27 | 21 | 25 | 79 | 29.28 | 30.10 | 7.69 | 11 | 1 | 32 |
| 08 | | | 29 | 22 | 27 | 75 | 29.29 | 30.11 | 8.06 | 13 | 2 | 28 |
| 09 | | | 31 | 22 | 28 | 71 | 29.30 | 30.12 | 7.94 | 13 | 2 | 30 |
| 10 | | | 33 | 23 | 29 | 67 | 29.30 | 30.12 | 7.91 | 14 | 2 | 29 |
| 11 | | | 35 | 23 | 31 | 65 | 29.29 | 30.11 | 8.38 | 13 | 3 | 28 |
| 12 | | | 37 | 23 | 32 | 61 | 29.28 | 30.10 | 8.70 | 13 | 3 | 28 |
| 13 | | | 38 | 23 | 32 | 57 | 29.27 | 30.09 | 8.98 | 14 | 3 | 28 |
| 14 | | | 39 | 23 | 33 | 55 | 29.26 | 30.08 | 8.82 | 14 | 3 | 31 |
| 15 | | | 39 | 23 | 33 | 54 | 29.25 | 30.07 | 8.85 | 14 | 3 | 29 |
| 16 | | | 39 | 23 | 33 | 56 | 29.25 | 30.07 | 8.79 | 14 | 2 | 30 |
| 17 | | | 38 | 23 | 33 | 57 | 29.25 | 30.07 | 8.81 | 14 | 1 | 27 |
| 18 | | | 36 | 23 | 31 | 60 | 29.26 | 30.08 | 8.80 | 12 | 1 | 33 |
| 19 | | | 34 | 23 | 30 | 64 | 29.27 | 30.09 | 8.88 | 12 | 1 | 35 |
| 20 | | | 34 | 23 | 30 | 66 | 29.27 | 30.09 | 9.01 | 11 | 2 | 7 |
| 21 | | | 32 | 23 | 29 | 70 | 29.28 | 30.10 | 8.67 | 11 | 1 | 3 |
| 22 | | | 31 | 23 | 28 | 71 | 29.28 | 30.10 | 8.39 | 11 | 2 | 35 |
| 23 | | | 31 | 23 | 28 | 74 | 29.27 | 30.10 | 8.16 | 11 | 1 | 36 |
| 24 | | | 30 | 23 | 28 | 75 | 29.27 | 30.09 | 8.16 | 11 | 1 | 32 |





MARCH 2002

ROCKFORD, IL

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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