



# MARCH 2003

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# CHICAGO, IL

OHARE INTERNATIONAL AIRPORT (ORD)  
 Lat: 41° 59' N Long: 87° 54' W Elev (Ground): 655 Feet  
 Time Zone: CENTRAL WBAN: 94846 ISSN #:0198-1854

MARCH 2003  
CHICAGO, IL

| 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 |                    | DEPTH                                       | WATER EQUIV | SNOW FALL              | WATER EQUIV | AVERAGE STATION         | AVERAGE SEA LEVEL | RESULTANT SPEED                        | RES DIR | AVERAGE SPEED | MAXIMUM |                      |       |                    |    |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
|                 |                |         |         |                 |                |                  |                   |         |                    |   |             |                        |             |                         |                   |  |         |               | 5-SEC   |                      | 2-MIN |                    |    |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 1               | 2              | 3       | 4       | 5               | 6              | 7                | 8                 | 9       | 11                 | 12  | 13          | 14                     | 15          | 16                      | 17                | 18                                     | 19      | 20            | 21      | 22                   | 23    | 24                 |    |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 01              | 39             | 21      | 30      | -2              | 23             | 29               | 35                | 0       | SN HZ              | 0   |             | T                      | T           | 29.23                   | 29.97             | 4.5                                    | 22      | 5.6           | 15      | 17                   | 10    | 26                 | 01 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 02              | 32             | 10      | 21      | -11             | 15             | 20               | 44                | 0       | SN BR              | 0   |             | T                      | T           | 29.26                   | 30.01             | 7.4                                    | 36      | 10.5          | 28      | 07                   | 22    | 02                 | 02 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 03              | 31             | 8       | 20      | -13             | 15             | 19               | 45                | 0       | SN BR              | 0   | 0.5         | 0.07                   | 29.26       | 30.01                   | 9.0               | 19                                     | 9.6     | 23            | 17      | 18                   | 18    | 03                 | 03 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 04              | 34             | 15      | 25      | -8              | 23             | 26               | 40                | 0       | SN PL FZFG MIFG BR | T   | 4.0         | 0.46                   | 29.10       | 29.84                   | 5.9               | 03                                     | 7.8     | 23            | 02      | 18                   | 04    | 04                 | 04 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 05              | 24             | 19      | 22      | -11             | 16             | 20               | 43                | 0       | SN BR              | 5   | 2.1         | 0.12                   | 29.19       | 29.94                   | 11.3              | 01                                     | 11.8    | 28            | 03      | 21                   | 03    | 05                 | 05 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 06              | 28             | 11      | 20      | -14             | 17             | 21               | 45                | 0       | SN BR              | 5   | 0.5         | 0.06                   | 29.30       | 30.06                   | 2.7               | 15                                     | 8.1     | 20            | 15      | 17                   | 15    | 06                 | 06 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 07              | 35             | 23      | 29      | -5              | 26             | 29               | 36                | 0       | BR HZ              | 4   | 0.0         | 0.00                   | 29.27       | 30.02                   | 7.4               | 23                                     | 8.6     | 16            | 26      | 14                   | 27    | 07                 | 07 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 08              | 42             | 13      | 28      | -6              | 22             | 25               | 37                | 0       | RA SN PL BR HZ     | 3   | T           | 0.10                   | 29.20       | 29.94                   | 6.9               | 36                                     | 9.5     | 31            | 02      | 26                   | 36    | 08                 | 08 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 09              | 13             | 6       | 10*     | -25             | -6             | 6                | 55                | 0       |                    | 2   | 0.0         | 0.00                   | 29.50       | 30.27                   | 13.5              | 29                                     | 14.2    | 28            | 29      | 23                   | 29    | 09                 | 09 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 10              | 20             | 2*      | 11      | -24             | -1             | 9                | 54                | 0       |                    | 2   | 0.0         | 0.00                   | 29.54       | 30.31                   | 8.5               | 27                                     | 9.2     | 20            | 30      | 16                   | 30    | 10                 | 10 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 11              | 44             | 17      | 31      | -5              | 18             | 27               | 34                | 0       |                    | 2   | 0.0         | 0.00                   | 29.23       | 29.97                   | 11.5              | 22                                     | 11.7    | 30            | 25      | 24                   | 21    | 11                 | 11 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 12              | 41             | 29      | 35      | -1              | 31             | 34               | 30                | 0       | RA DZ BR HZ        | T   | 0.0         | T                      | 29.23       | 29.96                   | 7.4               | 04                                     | 9.0     | 29            | 05      | 18                   | 04    | 12                 | 12 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 13              | 35             | 27      | 31      | -5              | 24             | 29               | 34                | 0       | DZ BR              | 0   | 0.0         | T                      | 29.49       | 30.24                   | 13.1              | 04                                     | 13.6    | 30            | 05      | 25                   | 03    | 13                 | 13 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 14              | 55             | 23      | 39      | 2               | 24             | 34               | 26                | 0       |                    | 0   | 0.0         | 0.00                   | 29.41       | 30.15                   | 7.8               | 19                                     | 8.7     | 21            | 21      | 16                   | 20    | 14                 | 14 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 15              | 57             | 32      | 45      | 8               | 37             | 41               | 20                | 0       | FG+ BR HZ          | 0   | 0.0         | 0.00                   | 29.23       | 29.96                   | 6.0               | 19                                     | 6.7     | 15            | 22      | 13                   | 22    | 15                 | 15 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 16              | 67             | 42      | 55      | 18              | 47             | 50               | 10                | 0       | FG+ BR HZ          | 0   | 0.0         | 0.00                   | 29.08       | 29.80                   | 7.8               | 21                                     | 8.0     | 20            | 22      | 16                   | 20    | 16                 | 16 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 17              | 73             | 40      | 57      | 19              | 46             | 50               | 8                 | 0       | FG BCFG BR HZ      | 0   | 0.0         | 0.00                   | 29.01       | 29.73                   | 1.7               | 11                                     | 5.0     | 20            | 05      | 14                   | 05    | 17                 | 17 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 18              | 44             | 37      | 41      | 3               | 38             | 40               | 24                | 0       | FG+ BR HZ          | 0   | 0.0         | 0.00                   | 29.14       | 29.86                   | 13.3              | 04                                     | 13.5    | 29            | 04      | 22                   | 04    | 18                 | 18 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 19              | 49             | 36      | 43      | 5               | 36             | 39               | 22                | 0       | TSRA RA DZ BR VCTS | 0   | 0.0         | 0.17                   | 29.04       | 29.77                   | 12.9              | 05                                     | 13.7    | 28            | 06      | 23                   | 04    | 19                 | 19 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 20              | 65             | 43      | 54      | 15              | 48             | 50               | 11                | 0       | RA FG+ BR HZ       | 0   | 0.0         | 0.16                   | 28.91       | 29.63                   | 2.9               | 11                                     | 5.9     | 20            | 15      | 17                   | 15    | 20                 | 20 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 21              | 48             | 39      | 44      | 5               | 35             | 40               | 21                | 0       | RA DZ BR HZ        | 0   | 0.0         | 0.03                   | 28.96       | 29.68                   | 12.7              | 27                                     | 13.7    | 30            | 26      | 25                   | 28    | 21                 | 21 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 22              | 47             | 39      | 43      | 4               | 35             | 40               | 22                | 0       |                    | 0   | 0.0         | 0.00                   | 29.16       | 29.89                   | 8.6               | 27                                     | 9.4     | 25            | 27      | 18                   | 28    | 22                 | 22 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 23              | 63             | 41      | 52      | 12              | 35             | 44               | 13                | 0       | HZ                 | 0   | 0.0         | 0.00                   | 29.19       | 29.92                   | 4.7               | 23                                     | 5.8     | 15            | 23      | 12                   | 29    | 23                 | 23 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 24              | 74*            | 42      | 58*     | 18              | 41             | 50               | 7                 | 0       | RA                 | 0   | 0.0         | 0.07                   | 29.07       | 29.79                   | 5.8               | 26                                     | 10.8    | 26            | 25      | 22                   | 24    | 24                 | 24 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 25              | 58             | 40      | 49      | 8               | 33             | 43               | 16                | 0       | RA BR              | 0   | 0.0         | 0.10                   | 29.19       | 29.92                   | 7.0               | 29                                     | 7.9     | 17            | 34      | 15                   | 31    | 25                 | 25 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 26              | 59             | 31      | 45      | 4               | 29             | 39               | 20                | 0       | RA                 | 0   | 0.0         | 0.01                   | 29.23       | 29.96                   | 0.7               | 05                                     | 7.1     | 28            | 06      | 22                   | 30    | 26                 | 26 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 27              | 67             | 40      | 54      | 13              | 34             | 45               | 11                | 0       | RA                 | 0   | 0.0         | 0.05                   | 29.05       | 29.78                   | 11.7              | 15                                     | 12.6    | 35*           | 16      | 26*                  | 16    | 27                 | 27 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 28              | 61             | 36      | 49      | 7               | 43             | 46               | 16                | 0       | RA DZ BR           | 0   | 0.0         | 0.36                   | 28.90       | 29.62                   | 10.9              | 24                                     | 14.3    | 30            | 30      | 23                   | 30    | 28                 | 28 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 29              | 38             | 26      | 32      | -10             | 22             | 30               | 33                | 0       | SN BR              | 0   | T           | T                      | 29.37       | 30.11                   | 10.9              | 32                                     | 11.4    | 26            | 31      | 22                   | 31    | 29                 | 29 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 30              | 43             | 23      | 33      | -9              | 21             | 30               | 32                | 0       | SN                 | 0   | T           | T                      | 29.48       | 30.23                   | 4.8               | 30                                     | 6.2     | 23            | 04      | 17                   | 25    | 30                 | 30 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 31              | 55             | 24      | 40      | -3              | 27             | 36               | 25                | 0       | RA                 | 0   | 0.0         | 0.06                   | 29.27       | 30.00                   | 7.8               | 22                                     | 8.9     | 33            | 20      | 25                   | 20    | 31                 | 31 |          |  |     |  |      |  |  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| 46.5            |                |         |         |                 |                |                  |                   |         |                    | 26.9  |             | 36.7                   |             | 27.6                    |                   | 33.6                                   |         | 28.0          |         | 0.0                  |       | < MONTHLY AVERAGES |    | TOTALS-> |  | 7.1 |  | 1.82 |  | 29.21  |  | 29.95   |  | 1.9 |  | 28 |  | 9.6 |  | <- MONTHLY AVERAGES            |  |  |  |  |  |  |  |  |  |
| 0.4             |                |         |         |                 |                |                  |                   |         |                    | -1.6  |             | -.6                    |             | <-----                  |                   | DEPARTURE FROM NORMAL                  |         | ----->        |         |                      |       |                    |    |          |  |     |  | -.83 |  | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| DEGREE DAYS     |                |         |         |                 |                |                  |                   |         |                    | GREATEST 24-HR PRECIPITATION: 0.46 DATE :04 |             |                        |             |                         |                   |  |         |               |         | SEA LEVEL PRESSURE   |       |                    |    |          |  |     |  |      |  | DATE   |  | TIME    |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| MONTHLY         |                |         |         |                 |                |                  |                   |         |                    | GREATEST 24-HR SNOWFALL: 4.0 DATE :04       |             |                        |             |                         |                   |  |         |               |         | MAXIMUM              |       |                    |    |          |  |     |  |      |  | 30.40  |  | 10 0756 |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| TOTAL DEPARTURE |                |         |         |                 |                |                  |                   |         |                    | GREATEST SNOW DEPTH: 5 DATE :06+            |             |                        |             |                         |                   |  |         |               |         | MINIMUM              |       |                    |    |          |  |     |  |      |  | 29.49  |  | 28 0356 |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
| HEATING: 869    |                |         |         |                 |                |                  |                   |         |                    | NUMBER OF DAYS WITH                         |             |                        |             |                         |                   |  |         |               |         | MAXIMUM TEMP ≥ 90: 0 |       |                    |    |          |  |     |  |      |  | MINIMUM TEMP ≤ 32: 19                          |  |         |  |     |  |    |  |     |  | PRECIPITATION ≥ 0.01 INCH : 14 |  |  |  |  |  |  |  |  |  |
| COOLING: 0      |                |         |         |                 |                |                  |                   |         |                    | MAXIMUM TEMP ≤ 32 : 6                       |             |                        |             |                         |                   |  |         |               |         | MINIMUM TEMP ≤ 0 : 0 |       |                    |    |          |  |     |  |      |  | PRECIPITATION ≥ 0.10 INCH : 7                  |  |         |  |     |  |    |  |     |  |                                |  |  |  |  |  |  |  |  |  |
|                 |                |         |         |                 |                |                  |                   |         |                    |   |             |                        |             |                         |                   |  |         |               |         | THUNDERSTORMS : 1    |       |                    |    |          |  |     |  |      |  | HEAVY FOG : 4                                  |  |         |  |     |  |    |  |     |  | SNOWFALL ≥ 1.0 INCH : 2        |  |  |  |  |  |  |  |  |  |

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## CHICAGO, IL

MARCH 2003

ORD

WBAN # 94846

| 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   |      |                             | T        |        |      |
| 02   | T                        | T    |      |      |   |   |   | T | T | T  | T  | T  | 02   | T                        | T    | T    | T    |      |      |      |      |      |      |      | 02   |      |                             | T        |        |      |
| 03   |                          |      |      |      |   |   |   |   |   |    |    |    | 03   | T                        | T    | T    | T    | T    | 0.01 | 0.01 | T    | 0.01 | T    | T    | 03   | 0.03 |                             | T        | 0.07   |      |
| 04   | T                        |      |      |      |   |   |   |   |   |    |    |    | 04   | T                        | T    | T    | T    | 0.01 | 0.05 | 0.06 | 0.04 | 0.07 | 0.08 | 0.08 | 0.06 | 04   | 0.45                        |          | T      | 0.46 |
| 05   | 0.02                     | 0.02 | 0.02 | T    | T | T | T | T | T | T  | T  | T  | 05   | T                        | T    | T    | T    |      |      |      |      |      |      |      | 05   | 0.06 |                             | T        | 0.12   |      |
| 06   | 0.01                     | 0.01 | 0.01 | 0.01 | T | T |   |   | T | T  | T  | T  | 06   |                          |      |      |      |      |      |      |      |      |      |      | 06   | 0.04 |                             | T        | 0.06   |      |
| 07   |                          |      |      |      |   |   |   |   |   |    |    |    | 07   |                          |      |      |      |      |      |      |      |      |      |      | 07   |      |                             |          | 0.00   |      |
| 08   |                          |      |      |      |   |   |   |   |   |    |    |    | 08   |                          | 0.05 | 0.05 | T    |      |      |      |      |      |      |      | 08   |      |                             |          | 0.10   |      |
| 09   |                          |      |      |      |   |   |   |   |   |    |    |    | 09   |                          |      |      |      |      |      |      |      |      |      |      | 09   |      |                             |          | 0.00   |      |
| 10   |                          |      |      |      |   |   |   |   |   |    |    |    | 10   |                          |      |      |      |      |      |      |      |      |      |      | 10   |      |                             |          | 0.00   |      |
| 11   |                          |      |      |      |   |   |   |   |   |    |    |    | 11   |                          |      |      |      |      |      |      |      |      |      |      | 11   |      |                             |          | 0.00   |      |
| 12   |                          |      |      |      |   |   |   |   |   |    |    |    | 12   |                          |      |      |      |      |      |      | T    | T    | T    | T    | 12   |      |                             |          | T      |      |
| 13   | T                        | T    |      |      |   |   |   |   |   |    |    |    | 13   |                          |      |      |      |      |      |      |      |      |      |      | 13   |      |                             |          | T      |      |
| 14   |                          |      |      |      |   |   |   |   |   |    |    |    | 14   |                          |      |      |      |      |      |      |      |      |      |      | 14   |      |                             |          | 0.00   |      |
| 15   |                          |      |      |      |   |   |   |   |   |    |    |    | 15   |                          |      |      |      |      |      |      |      |      |      |      | 15   |      |                             |          | 0.00   |      |
| 16   |                          |      |      |      |   |   |   |   |   |    |    |    | 16   |                          |      |      |      |      |      |      |      |      |      |      | 16   |      |                             |          | 0.00   |      |
| 17   |                          |      |      |      |   |   |   |   |   |    |    |    | 17   |                          |      |      |      |      |      |      |      |      |      |      | 17   |      |                             |          | 0.00   |      |
| 18   |                          |      |      |      |   |   |   |   |   |    |    |    | 18   |                          |      |      |      |      |      |      |      |      |      |      | 18   |      |                             |          | 0.00   |      |
| 19   |                          |      |      |      |   |   |   |   |   |    |    |    | 19   |                          |      |      |      |      |      |      |      |      |      |      | 19   |      |                             |          | 0.17   |      |
| 20   |                          |      |      |      |   |   |   |   |   |    |    |    | 20   | T                        |      |      | 0.02 | T    | T    |      | 0.04 | 0.06 | 0.01 |      | 20   |      |                             |          | 0.16   |      |
| 21   |                          |      |      |      |   |   |   |   |   |    |    |    | 21   |                          |      |      |      |      |      |      |      |      |      |      | 21   |      |                             |          | 0.03   |      |
| 22   |                          |      |      |      |   |   |   |   |   |    |    |    | 22   |                          |      |      |      |      |      |      |      |      |      |      | 22   |      |                             |          | 0.00   |      |
| 23   |                          |      |      |      |   |   |   |   |   |    |    |    | 23   |                          |      |      |      |      |      |      |      |      |      |      | 23   |      |                             |          | 0.00   |      |
| 24   |                          |      |      |      |   |   |   |   |   |    |    |    | 24   |                          |      |      |      |      |      |      | 0.01 | 0.02 | T    | 0.02 | 0.02 | 24   |                             |          |        | 0.07 |
| 25   | T                        | 0.06 | 0.04 |      |   |   |   |   |   |    |    |    | 25   |                          |      |      |      |      |      |      |      |      |      |      | 25   |      |                             |          | 0.10   |      |
| 26   |                          |      |      |      |   |   |   |   |   |    |    |    | 26   |                          |      |      |      |      |      |      |      |      |      |      | 26   |      |                             |          | 0.01   |      |
| 27   | T                        |      |      |      |   |   |   |   |   |    |    |    | 27   |                          |      |      |      |      |      |      |      |      |      |      | 27   |      |                             |          | 0.05   |      |
| 28   |                          |      |      |      |   |   |   |   |   |    |    |    | 28   |                          |      |      |      |      |      |      |      |      |      |      | 28   |      |                             |          | 0.36   |      |
| 29   |                          |      |      |      |   |   |   |   |   |    |    |    | 29   | 0.03                     | 0.04 | 0.05 | 0.05 | 0.03 | T    | T    | T    |      |      |      | 29   |      |                             |          | T      |      |
| 30   |                          |      |      |      |   |   |   |   |   |    |    |    | 30   |                          |      |      |      |      |      |      |      |      |      |      | 30   |      |                             |          | T      |      |
| 31   |                          |      |      |      |   |   |   |   |   |    |    |    | 31   |                          |      |      |      |      |      | 0.01 | 0.04 | T    | 0.01 | T    | 31   |      |                             |          | 0.06   |      |

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes)  | 5    | 10   | 15   | 20   | 30   | 45   | 60   | 80   | 100  | 120  | 150  | 180  |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | .03  | .05  | .06  | .06  | .09  | .13  | .14  | .14  | .14  | .14  | .14  | .15  |
| Ending Date            | 27   | 20   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   |
| Ending Time (Hour/Min) | 2244 | 1517 | 0919 | 0927 | 0919 | 0919 | 0927 | 0927 | 0927 | 0927 | 1609 | 1638 |

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.

## REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = 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

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

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

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

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

NORMALS ARE FOR THE YEARS 1971–2000

### WEATHER NOTATIONS

| QUALIFIER          | WEATHER PHENOMENA                 |                    |                                    |
|--------------------|-----------------------------------|--------------------|------------------------------------|
|                    | PRECIPITATION                     | OBSCURATION        | OTHER                              |
| BC Patches         | DZ Drizzle                        | BR Mist            | DS Duststorm                       |
| BL Blowing         | GR Hail                           | DU Widespread Dust | FC Funnel Cloud                    |
| DR Low Drifting    | GS Small Hail and/or Snow Pellets | FG Fog             | +FC Tornado Waterspout             |
| FZ Freezing        | IC Ice Crystals                   | FU Smoke           | PO Well-Developed Dust/Sand Whirls |
| MI Shallow         | PL Ice Pellets                    | HZ Haze            | SQ Squalls                         |
| PR Partial         | RA Rain                           | PY Spray           | SS Sandstorm                       |
| SH Shower(s)       | SG Snow Grains                    | SA Sand            | GL Glaze                           |
| TS Thunderstorm    | SN Snow                           | VA Volcanic Ash    |                                    |
| VC In the Vicinity | UP Unknown Precipitation          |                    |                                    |

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    ' ' = Moderate    '-' = Light

## CHICAGO, IL MARCH 2003

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

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.

### ADDITIONAL NOTES:

| DATE   | SUNSHINE      |                  | CLOUDINESS (OKTAS) |           |            |           | VISIBILITY (MILES) |         | RESERVED |
|--|---------------|------------------|--------------------|-----------|------------|-----------|--------------------|---------|----------|
|  | TOTAL MINUTES | PERCENT POSSIBLE | SR–SS              |           | MN–MN      |           | MINIMUM            | MAXIMUM |          |
|  |               |                  | CEILOMETER         | SATELLITE | CEILOMETER | SATELLITE |                    |         |          |
| 01   |               |                  |                    |           |            |           | 4.00               | 10.00   |          |
| 02   |               |                  |                    |           |            |           | 1.00               | 10.00   |          |
| 03   |               |                  |                    |           |            |           | .75                | 10.00   |          |
| 04   |               |                  |                    |           |            |           | .50                | 10.00   |          |
| 05   |               |                  |                    |           |            |           | 1.25               | 10.00   |          |
| 06   |               |                  |                    |           |            |           | .50                | 10.00   |          |
| 07   |               |                  |                    |           |            |           | 6.00               | 10.00   |          |
| 08   |               |                  |                    |           |            |           | .50                | 10.00   |          |
| 09   |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 10   |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 11   |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 12   |               |                  |                    |           |            |           | 4.00               | 9.00    |          |
| 13   |               |                  |                    |           |            |           | 3.00               | 10.00   |          |
| 14   |               |                  |                    |           |            |           | 9.00               | 10.00   |          |
| 15   |               |                  |                    |           |            |           | .25                | 10.00   |          |
| 16   |               |                  |                    |           |            |           | .25                | 8.00    |          |
| 17   |               |                  |                    |           |            |           | .50                | 10.00   |          |
| 18   |               |                  |                    |           |            |           | .06                | 9.00    |          |
| 19   |               |                  |                    |           |            |           | 1.50               | 10.00   |          |
| 20   |               |                  |                    |           |            |           | .06                | 10.00   |          |
| 21   |               |                  |                    |           |            |           | 1.00               | 10.00   |          |
| 22   |               |                  |                    |           |            |           | 7.00               | 10.00   |          |
| 23   |               |                  |                    |           |            |           | 6.00               | 10.00   |          |
| 24   |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 25   |               |                  |                    |           |            |           | 5.00               | 10.00   |          |
| 26   |               |                  |                    |           |            |           | 8.00               | 10.00   |          |
| 27   |               |                  |                    |           |            |           | 9.00               | 10.00   |          |
| 28   |               |                  |                    |           |            |           | 2.00               | 10.00   |          |
| 29   |               |                  |                    |           |            |           | 1.75               | 10.00   |          |
| 30   |               |                  |                    |           |            |           | 10.00              | 10.00   |          |
| 31   |               |                  |                    |           |            |           | 7.00               | 10.00   |          |
| <b>MONTHLY AVGS</b>  |               |                  |                    |           |            |           | 4.31               | 9.87    |          |
| <b>SUNSHINE (MINUTES)</b>  |               |                  |                    |           |            |           |                    |         |          |
| Total:                      Possible:                      Percent Possible: |               |                  |                    |           |            |           |                    |         |          |
| <b>NUMBER OF DAYS WITH:</b>  |               |                  |                    |           |            |           |                    |         |          |
| <b>SKY CONDITION</b>   |               |                  |                    |           |            |           |                    |         |          |
| CLR   PTLY CLDY   CLOUDY   MISSING   |               |                  |                    |           |            |           |                    |         |          |
| 31   |               |                  |                    |           |            |           |                    |         |          |
| <b>MINIMUM VISIBILITY (MILES)</b>  |               |                  |                    |           |            |           |                    |         |          |
| <=0.25      <=3.0      >=7.0   |               |                  |                    |           |            |           |                    |         |          |
| 3                      16                      10                            |               |                  |                    |           |            |           |                    |         |          |

# OBSERVATIONS AT 3-HOURLY INTERVALS

# CHICAGO, IL

MARCH 2003

ORD

WBAN # 94846

| HOUR (LST) | SATellite |                     | WEATHER       | TEMPERATURE °F |              |          |                         | WIND        |                       | PRESSURE (INCHES, HG) |           | HOUR (LST)    | SATellite |                     | WEATHER | TEMPERATURE °F |           |          |                         | WIND        |                       | PRESSURE (INCHES, HG) |           |    |    |       |       |  |
|------------|-----------|---------------------|---------------|----------------|--------------|----------|-------------------------|-------------|-----------------------|-----------------------|-----------|---------------|-----------|---------------------|---------|----------------|-----------|----------|-------------------------|-------------|-----------------------|-----------------------|-----------|----|----|-------|-------|--|
|            | SKY COVER | CEILING 100'S OF FT |               | DY BULB        | DEW POINT    | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION TENS OF DEG | STATION               | SEA LEVEL |               | SKY COVER | CEILING 100'S OF FT |         | DY BULB        | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION TENS OF DEG | STATION               | SEA LEVEL |    |    |       |       |  |
|            |           |                     | SUNRISE: 0627 | MAR 01         | SUNSET: 1741 |          |                         |             |                       |                       |           | SUNRISE: 0617 | MAR 07    | SUNSET: 1749        |         |                |           |          |                         |             |                       |                       |           |    |    |       |       |  |
| 03         | SCT       | NC                  | 8.00          |                |              | 23       | 18                      | 21          | 81                    | 3                     | 17        | 29.32         | 30.06     | 03                  | OVC     | 110            | 10.00     |          |                         | 25          | 19                    | 23                    | 78        | 12 | 19 | 29.26 | 30.00 |  |
| 06         | OVC       | 060                 | 7.00          |                |              | 28       | 22                      | 26          | 78                    | 0                     | 00        | 29.31         | 30.06     | 06                  | OVC     | NC             | 10.00     |          |                         | 27          | 22                    | 25                    | 81        | 10 | 19 | 29.24 | 29.98 |  |
| 09         | BKN       | 180                 | 6.00          | HZ             |              | 34       | 23                      | 30          | 64                    | 5                     | 21        | 29.30         | 30.05     | 09                  | FEW     | 150            | 7.00      |          |                         | 30          | 26                    | 29                    | 85        | 10 | 21 | 29.24 | 29.99 |  |
| 12         | OVC       | 070                 | 10.00         |                |              | 38       | 15                      | 30          | 39                    | 6                     | 22        | 29.23         | 29.97     | 12                  | OVC     | 018            | 8.00      |          |                         | 34          | 27                    | 31                    | 76        | 12 | 26 | 29.27 | 30.01 |  |
| 15         | OVC       | 045                 | 10.00         |                |              | 37       | 23                      | 32          | 57                    | 6                     | 22        | 29.17         | 29.91     | 15                  | OVC     | 018            | 6.00      | HZ       |                         | 35          | 28                    | 32                    | 76        | 9  | 29 | 29.27 | 30.01 |  |
| 18         | OVC       | 065                 | 8.00          |                |              | 34       | 26                      | 31          | 73                    | 7                     | 23        | 29.16         | 29.90     | 18                  | OVC     | 023            | 6.00      | HZ       |                         | 35          | 29                    | 33                    | 78        | 6  | 24 | 29.29 | 30.03 |  |
| 21         | OVC       | 050                 | 7.00          |                |              | 32       | 28                      | 31          | 85                    | 7                     | 25        | 29.14         | 29.88     | 21                  | OVC     | 019            | 8.00      |          |                         | 34          | 28                    | 32                    | 79        | 6  | 23 | 29.33 | 30.07 |  |
| 24         | OVC       | 085                 | 4.00          | -SN BR         |              | 32       | 28                      | 31          | 85                    | 7                     | 25        | 29.12         | 29.86     | 24                  | BKN     | 017            | 7.00      |          |                         | 32          | 27                    | 30                    | 82        | 3  | 24 | 29.32 | 30.06 |  |
|            |           |                     | SUNRISE: 0625 | MAR 02         | SUNSET: 1743 |          |                         |             |                       |                       |           | SUNRISE: 0616 | MAR 08    | SUNSET: 1750        |         |                |           |          |                         |             |                       |                       |           |    |    |       |       |  |
| 03         | OVC       | 080                 | 4.00          | BR             |              | 31       | 27                      | 29          | 85                    | 9                     | 28        | 29.10         | 29.83     | 03                  | BKN     | 200            | 3.00      | BR       |                         | 27          | 25                    | 26                    | 92        | 6  | 18 | 29.25 | 30.00 |  |
| 06         | OVC       | 022                 | 4.00          | BR             |              | 31       | 27                      | 29          | 85                    | 12                    | 30        | 29.10         | 29.84     | 06                  | BKN     | 200            | 3.00      | BR       |                         | 28          | 26                    | 27                    | 92        | 5  | 03 | 29.20 | 29.95 |  |
| 09         | OVC       | 019                 | 3.00          | -SN BR         |              | 24       | 20                      | 23          | 84                    | 16                    | 01        | 29.22         | 29.96     | 09                  | OVC     | 070            | 3.00      | BR       |                         | 35          | 32                    | 34                    | 89        | 3  | 14 | 29.11 | 29.85 |  |
| 12         | BKN       | 050                 | 10.00         |                |              | 24       | 13                      | 21          | 62                    | 15                    | 34        | 29.30         | 30.04     | 12                  | OVC     | 025            | 4.00      | HZ       |                         | 41          | 33                    | 38                    | 74        | 10 | 35 | 28.99 | 29.72 |  |
| 15         | BKN       | 038                 | 10.00         |                |              | 20       | 10                      | 17          | 65                    | 12                    | 04        | 29.33         | 30.08     | 15                  | OVC     | 012            | 3.00      | -SN      |                         | 29          | 26                    | 28                    | 89        | 17 | 36 | 29.06 | 29.80 |  |
| 18         | FEW       | NC                  | 10.00         |                |              | 16       | 7                       | 14          | 67                    | 13                    | 03        | 29.37         | 30.13     | 18                  | OVC     | 020            | 10.00     |          |                         | 20          | 13                    | 18                    | 74        | 15 | 35 | 29.24 | 29.99 |  |
| 21         | SCT       | NC                  | 10.00         |                |              | 14       | 4                       | 12          | 64                    | 5                     | VR        | 29.39         | 30.15     | 21                  | FEW     | NC             | 10.00     |          |                         | 15          | 9                     | 14                    | 77        | 15 | 34 | 29.35 | 30.10 |  |
| 24         | FEW       | NC                  | 10.00         |                |              | 12       | 3                       | 10          | 67                    | 0                     | 00        | 29.39         | 30.16     | 24                  | FEW     | NC             | 10.00     |          |                         | 13          | 6                     | 11                    | 74        | 9  | 32 | 29.41 | 30.16 |  |
|            |           |                     | SUNRISE: 0624 | MAR 03         | SUNSET: 1744 |          |                         |             |                       |                       |           | SUNRISE: 0614 | MAR 09    | SUNSET: 1751        |         |                |           |          |                         |             |                       |                       |           |    |    |       |       |  |
| 03         | CLR       | NC                  | 10.00         |                |              | 13       | 3                       | 11          | 64                    | 0                     | 00        | 29.38         | 30.15     | 03                  | CLR     | NC             | 10.00     |          |                         | 9           | -3                    | 7                     | 58        | 15 | 33 | 29.44 | 30.20 |  |
| 06         | OVC       | 070                 | 10.00         |                |              | 14       | 8                       | 13          | 77                    | 9                     | 18        | 29.39         | 30.16     | 06                  | SCT     | NC             | 10.00     |          |                         | 6           | -8                    | 4                     | 52        | 9  | 29 | 29.51 | 30.28 |  |
| 09         | BKN       | 150                 | 10.00         |                |              | 17       | 8                       | 15          | 68                    | 13                    | 16        | 29.35         | 30.12     | 09                  | FEW     | NC             | 10.00     |          |                         | 7           | -6                    | 5                     | 55        | 13 | 30 | 29.53 | 30.31 |  |
| 12         | OVC       | 200                 | 10.00         |                |              | 22       | 9                       | 18          | 57                    | 15                    | 20        | 29.30         | 30.05     | 12                  | FEW     | NC             | 10.00     |          |                         | 10          | -7                    | 7                     | 45        | 20 | 30 | 29.54 | 30.31 |  |
| 15         | OVC       | 013                 | 1.50          | -SN BR         |              | 23       | 19                      | 22          | 85                    | 14                    | 18        | 29.19         | 29.94     | 15                  | BKN     | 250            | 10.00     |          |                         | 11          | -7                    | 8                     | 44        | 15 | 26 | 29.50 | 30.27 |  |
| 18         | OVC       | 011                 | 0.75          | -SN BR         |              | 26       | 24                      | 25          | 92                    | 12                    | 19        | 29.13         | 29.88     | 18                  | FEW     | NC             | 10.00     |          |                         | 10          | -7                    | 7                     | 45        | 18 | 28 | 29.49 | 30.26 |  |
| 21         | OVC       | 038                 | 3.00          | -SN BR         |              | 29       | 27                      | 28          | 92                    | 9                     | 19        | 29.11         | 29.85     | 21                  | CLR     | NC             | 10.00     |          |                         | 8           | -7                    | 6                     | 50        | 14 | 27 | 29.49 | 30.27 |  |
| 24         | OVC       | 037                 | 6.00          | -SN BR         |              | 31       | 27                      | 29          | 85                    | 7                     | 24        | 29.10         | 29.85     | 24                  | CLR     | NC             | 10.00     |          |                         | 7           | -7                    | 5                     | 52        | 13 | 30 | 29.53 | 30.30 |  |
|            |           |                     | SUNRISE: 0622 | MAR 04         | SUNSET: 1745 |          |                         |             |                       |                       |           | SUNRISE: 0612 | MAR 10    | SUNSET: 1752        |         |                |           |          |                         |             |                       |                       |           |    |    |       |       |  |
| 03         | SCT       | NC                  | 8.00          |                |              | 30       | 25                      | 28          | 82                    | 0                     | 00        | 29.10         | 29.84     | 03                  | CLR     | NC             | 10.00     |          |                         | 5           | -7                    | 3                     | 57        | 13 | 29 | 29.56 | 30.33 |  |
| 06         | SCT       | NC                  | 3.00          | BR             |              | 20       | 20                      | 20          | 100                   | 0                     | 00        | 29.12         | 29.87     | 06                  | CLR     | NC             | 10.00     |          |                         | 2           | -7                    | 1                     | 66        | 10 | 29 | 29.60 | 30.37 |  |
| 09         | OVC       | 045                 | 7.00          |                |              | 29       | 24                      | 27          | 82                    | 5                     | 35        | 29.16         | 29.91     | 09                  | SCT     | NC             | 10.00     |          |                         | 7           | -3                    | 5                     | 63        | 8  | 31 | 29.62 | 30.39 |  |
| 12         | OVC       | 039                 | 10.00         |                |              | 34       | 22                      | 30          | 61                    | 6                     | 01        | 29.13         | 29.87     | 12                  | FEW     | NC             | 10.00     |          |                         | 15          | -2                    | 12                    | 46        | 10 | 25 | 29.59 | 30.36 |  |
| 15         | OVC       | 035                 | 4.00          | -PLSN          |              | 30       | 25                      | 28          | 82                    | 13                    | 06        | 29.07         | 29.81     | 15                  | FEW     | NC             | 10.00     |          |                         | 18          | 3                     | 14                    | 52        | 9  | 24 | 29.52 | 30.29 |  |
| 18         | OVC       | 014                 | 1.00          | -SN BR         |              | 28       | 28                      | 28          | 100                   | 15                    | 04        | 29.05         | 29.80     | 18                  | FEW     | NC             | 10.00     |          |                         | 18          | 3                     | 14                    | 52        | 7  | 26 | 29.48 | 30.25 |  |
| 21         | OVC       | 005                 | 0.50          | SN FZFG        |              | 24       | 23                      | 24          | 96                    | 13                    | 01        | 29.06         | 29.80     | 21                  | FEW     | NC             | 10.00     |          |                         | 14          | 5                     | 12                    | 67        | 6  | 25 | 29.46 | 30.23 |  |
| 24         | VV        | 004                 | 0.50          | SN FZFG        |              | 21       | 17                      | 20          | 85                    | 12                    | 36        | 29.04         | 29.78     | 24                  | OVC     | 080            | 10.00     |          |                         | 17          | 5                     | 14                    | 59        | 7  | 24 | 29.38 | 30.15 |  |
|            |           |                     | SUNRISE: 0621 | MAR 05         | SUNSET: 1746 |          |                         |             |                       |                       |           | SUNRISE: 0611 | MAR 11    | SUNSET: 1753        |         |                |           |          |                         |             |                       |                       |           |    |    |       |       |  |
| 03         | OVC       | 014                 | 1.50          | -SN BR         |              | 20       | 17                      | 19          | 89                    | 13                    | 36        | 29.03         | 29.78     | 03                  | OVC     | 070            | 10.00     |          |                         | 18          | 9                     | 16                    | 68        | 7  | 24 | 29.34 | 30.10 |  |
| 06         | OVC       | 015                 | 9.00          | -SN            |              | 20       | 18                      | 19          | 92                    | 9                     | 35        | 29.10         | 29.85     | 06                  | OVC     | 046            | 10.00     |          |                         | 19          | 8                     | 16                    | 62        | 8  | 23 | 29.34 | 30.09 |  |
| 09         | OVC       | 019                 | 4.00          | -SN BR         |              | 21       | 18                      | 20          | 88                    | 10                    | 35        | 29.20         | 29.95     | 09                  | OVC     | 090            | 10.00     |          |                         | 25          | 11                    | 21                    | 55        | 10 | 20 | 29.30 | 30.05 |  |
| 12         | OVC       | 025                 | 2.50          | -SN            |              | 23       | 18                      | 21          | 81                    | 14                    | 02        | 29.25         | 30.00     | 12                  | SCT     | NC             | 10.00     |          |                         | 36          | 16                    | 29                    | 44        | 18 | 21 | 29.23 | 29.97 |  |
| 15         | OVC       | 019                 | 9.00          | -SN            |              | 23       | 16                      | 21          | 74                    | 16                    | 03        | 29.25         | 30.00     | 15                  | SCT     | NC             | 10.00     |          |                         | 42          | 24                    | 35                    | 49        | 17 | 22 | 29.13 | 29.87 |  |
| 18         | OVC       | 100                 | 10.00         |                |              | 21       | 13                      | 19          | 71                    | 13                    | 04        | 29.28         | 30.03     | 18                  | BKN     | 100            | 10.00     |          |                         | 42          | 27                    | 36                    | 55        | 13 | 21 | 29.12 | 29.85 |  |
| 21         | OVC       | 090                 | 10.00         |                |              | 21       | 11                      | 18          | 65                    | 10                    | 02        | 29.27         | 30.02     | 21                  | FEW     | NC             | 10.00     |          |                         | 41          | 30                    | 37                    | 65        | 13 | 22 | 29.13 | 29.87 |  |
| 24         | OVC       | 050                 | 10.00         |                |              | 19       | 14                      | 18          | 81                    | 8                     | 36        | 29.25         | 30.00     | 24                  | CLR     | NC             | 10.00     |          |                         | 38          | 30                    | 35                    | 73        | 7  | 22 | 29.12 | 29.86 |  |
|            |           |                     | SUNRISE: 0619 | MAR 06         | SUNSET: 1747 |          |                         |             |                       |                       |           | SUNRISE: 0609 | MAR 12    | SUNSET: 1754        |         |                |           |          |                         |             |                       |                       |           |    |    |       |       |  |
| 03         | OVC       | 017                 | 0.50          | -SN BR         |              | 18       | 16                      | 17          | 92                    | 13                    | 34        | 29.25         | 30.00     | 03                  | CLR     | NC             | 8.00      |          |                         | 36          | 30                    | 34                    | 79        | 0  | 00 | 29.12 | 29.85 |  |
| 06         | BKN       | 018                 | 5.00          | BR             |              | 17       | 15                      | 17          | 92                    | 6                     | 36        | 29.29         | 30.04     | 06                  | BKN     | 150            | 7.00      |          |                         | 30          | 28                    | 29                    | 92        | 0  | 00 | 29.14 | 29.87 |  |
| 09         | OVC       | 031                 | 7.00          | -SN            |              | 22       | 18                      | 21          | 85                    | 0                     | 00        | 29.33         | 30.08     | 09                  | SCT     | NC             | 7.00      |          |                         | 40          | 31                    | 36                    | 70        | 12 | 35 | 29.21 | 29.94 |  |
| 12         | OVC       | 023                 | 7.00          |                |              | 24       | 19                      | 22          | 81                    | 8                     | 15        | 29.35         | 30.11     | 12                  | BKN     | 250            | 6.00      | HZ       |                         | 41          | 32                    | 37                    | 70        | 12 | 06 | 29.24 | 29.98 |  |
| 15         | SCT       | NC                  | 10.00         |                |              | 27       | 17                      | 24          | 66                    | 7                     | 13        | 29.33         | 30.07     | 15                  | OVC     | 047            | 7.00      |          |                         | 36          | 30                    | 34                    | 79        | 10 | 05 | 29.26 | 30.00 |  |
| 18         | FEW       | NC                  | 10.00         |                |              | 24       | 17                      | 22          | 75                    | 7                     | 16        | 29.33         | 30.09     | 18                  | OVC     | 008            | 6.00      | BR       |                         | 33          | 30                    | 32                    | 89        | 18 | 04 | 29.29 | 30.03 |  |
| 21         | FEW       | NC                  | 10.00         |                |              | 23       | 16                      | 21          | 74                    | 10                    | 16        | 29.31         | 30.06     | 21                  | OVC     | 007            | 4.00      | -RA BR   |                         | 33          | 31                    | 32                    | 92        | 13 | 05 | 29.34 | 30.07 |  |
| 24         | SCT       | NC                  | 10.00         |                |              | 23       | 17                      | 21          | 78                    | 9                     | 18        | 29.29         | 30.03     | 24                  | OVC     | 005            | 4.00      | -DZ BR   |                         | 33          | 31                    | 32                    | 94        | 10 | 03 | 29.27 | 30.01 |  |

# OBSERVATIONS AT 3-HOURLY INTERVALS

# CHICAGO, IL

MARCH 2003

ORD

WBAN # 94846

| HOUR (LST) |           |                     | SATELLITE              |                   | WEATHER       | TEMPERATURE °F     |          |           |          | WIND                    |             | PRESSURE (INCHES,HG)  |         | HOUR (LST) |           |           | SATELLITE           |                        | WEATHER       | TEMPERATURE °F    |                    |          |           | 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 | RELATIVE HUMIDITY (PCT) | 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 | RELATIVE HUMIDITY (PCT) | SPEED (MPH)          | DIRECTION TENS OF DEG | STATION      | SEA LEVEL |
|            |           |                     |                        |                   |               |                    |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               |                   |                    |          |           |          |                         |                      |                       |              |           |
| 03         | OVC       | 005                 |                        |                   | 3.00 BR       |                    |          |           |          |                         |             |                       |         | 03         | BKN       | 120       |                     |                        | 10.00         | 37                | 31                 | 35       | 79        | 16       | 05                      | 29.12                | 29.85                 |              |           |
| 06         | OVC       | 009                 |                        |                   | 6.00 BR       |                    |          |           |          |                         |             |                       |         | 06         | OVC       | 080       |                     |                        | 8.00          | -DZ               | 36                 | 30       | 34        | 79       | 16                      | 05                   | 29.09                 | 29.82        |           |
| 09         | OVC       | 011                 |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 09         | OVC       | 075       |                     |                        | 10.00         |                   | 38                 | 31       | 35        | 76       | 16                      | 05                   | 29.07                 | 29.80        |           |
| 12         | SCT       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 12         | OVC       | 018       |                     |                        | 2.50          | -RA BR            | 37                 | 35       | 36        | 93       | 16                      | 04                   | 29.02                 | 29.75        |           |
| 15         | SCT       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 15         | OVC       | 023       |                     |                        | 4.00          | -RA BR            | 40                 | 38       | 39        | 93       | 16                      | 04                   | 28.95                 | 29.69        |           |
| 18         | SCT       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 18         | OVC       | 200       |                     |                        | 3.00          | BR                | 42                 | 40       | 41        | 92       | 12                      | 06                   | 28.95                 | 29.68        |           |
| 21         | CLR       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 21         | OVC       | 075       |                     |                        | 4.00          | -RA BR            | 49                 | 45       | 47        | 86       | 9                       | 09                   | 29.00                 | 29.73        |           |
| 24         | CLR       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 24         | SCT       | NC        |                     |                        | 3.00          | BR                | 46                 | 44       | 45        | 93       | 8                       | 10                   | 29.00                 | 29.73        |           |
|            |           |                     |                        |                   | SUNRISE: 0607 | MAR 13             |          |           |          |                         |             |                       |         |            |           |           |                     |                        | SUNRISE: 0557 | MAR 19            |                    |          |           |          |                         |                      | SUNSET: 1801          |              |           |
|            |           |                     |                        |                   |               |                    |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               |                   |                    |          |           |          |                         |                      |                       |              |           |
|            |           |                     |                        |                   | SUNRISE: 0606 | MAR 14             |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               | SUNRISE: 0555     | MAR 20             |          |           |          |                         |                      |                       | SUNSET: 1802 |           |
| 03         | CLR       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 03         | OVC       | 001       |                     |                        | 0.25          | FG                | 46                 | 46       | 46        | 100      | 7                       | 09                   | 28.95                 | 29.68        |           |
| 06         | FEW       | NC                  |                        |                   | 9.00          |                    |          |           |          |                         |             |                       |         | 06         | VV        | 001       |                     |                        | 0.06          | FG                | 45                 | 45       | 45        | 100      | 5                       | 05                   | 28.95                 | 29.67        |           |
| 09         | FEW       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 09         | OVC       | 003       |                     |                        | 0.50          | BR                | 50                 | 50       | 50        | 100      | 10                      | 17                   | 28.97                 | 29.69        |           |
| 12         | SCT       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 12         | BKN       | 075       |                     |                        | 8.00          |                   | 58                 | 51       | 54        | 78       | 10                      | 16                   | 28.94                 | 29.66        |           |
| 15         | FEW       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 15         | BKN       | 200       |                     |                        | 10.00         |                   | 63                 | 47       | 54        | 56       | 7                       | VR                   | 28.86                 | 29.58        |           |
| 18         | FEW       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 18         | BKN       | 200       |                     |                        | 10.00         |                   | 59                 | 49       | 54        | 69       | 6                       | 09                   | 28.86                 | 29.58        |           |
| 21         | CLR       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 21         | OVC       | 120       |                     |                        | 10.00         |                   | 51                 | 47       | 49        | 86       | 6                       | 35                   | 28.85                 | 29.57        |           |
| 24         | CLR       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 24         | OVC       | 085       |                     |                        | 7.00          |                   | 47                 | 45       | 46        | 93       | 7                       | 36                   | 28.82                 | 29.53        |           |
|            |           |                     |                        |                   | SUNRISE: 0604 | MAR 15             |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               | SUNRISE: 0554     | MAR 21             |          |           |          |                         |                      |                       | SUNSET: 1803 |           |
| 03         | CLR       | NC                  |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 03         | OVC       | 006       |                     |                        | 4.00          | -RA BR            | 47                 | 46       | 46        | 97       | 10                      | 33                   | 28.84                 | 29.55        |           |
| 06         | CLR       | NC                  |                        |                   | 4.00 HZ       |                    |          |           |          |                         |             |                       |         | 06         | OVC       | 009       |                     |                        | 4.00          | -RA BR            | 43                 | 41       | 42        | 93       | 9                       | 29                   | 28.86                 | 29.58        |           |
| 09         | OVC       | 001                 |                        |                   | 0.25 FG       |                    |          |           |          |                         |             |                       |         | 09         | OVC       | 014       |                     |                        | 6.00          | HZ                | 39                 | 34       | 37        | 82       | 16                      | 28                   | 28.92                 | 29.65        |           |
| 12         | CLR       | NC                  |                        |                   | 6.00 HZ       |                    |          |           |          |                         |             |                       |         | 12         | BKN       | 049       |                     |                        | 10.00         |                   | 46                 | 30       | 39        | 54       | 21                      | 27                   | 28.95                 | 29.68        |           |
| 15         | CLR       | NC                  |                        |                   | 7.00          |                    |          |           |          |                         |             |                       |         | 15         | BKN       | 055       |                     |                        | 10.00         |                   | 45                 | 30       | 39        | 56       | 17                      | 26                   | 28.99                 | 29.72        |           |
| 18         | CLR       | NC                  |                        |                   | 4.00 HZ       |                    |          |           |          |                         |             |                       |         | 18         | OVC       | 047       |                     |                        | 10.00         |                   | 43                 | 31       | 38        | 63       | 13                      | 25                   | 29.05                 | 29.78        |           |
| 21         | CLR       | NC                  |                        |                   | 4.00 BR       |                    |          |           |          |                         |             |                       |         | 21         | OVC       | 047       |                     |                        | 10.00         |                   | 41                 | 31       | 37        | 67       | 13                      | 26                   | 29.06                 | 29.79        |           |
| 24         | CLR       | NC                  |                        |                   | 2.50 BR       |                    |          |           |          |                         |             |                       |         | 24         | OVC       | 044       |                     |                        | 10.00         |                   | 40                 | 33       | 37        | 77       | 15                      | 26                   | 29.05                 | 29.78        |           |
|            |           |                     |                        |                   | SUNRISE: 0602 | MAR 16             |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               | SUNRISE: 0552     | MAR 22             |          |           |          |                         |                      |                       | SUNSET: 1805 |           |
| 03         | CLR       | NC                  |                        |                   | 3.00 BR       |                    |          |           |          |                         |             |                       |         | 03         | OVC       | 028       |                     |                        | 10.00         |                   | 39                 | 32       | 36        | 76       | 15                      | 27                   | 29.03                 | 29.76        |           |
| 06         | FEW       | NC                  |                        |                   | 3.00 BR       |                    |          |           |          |                         |             |                       |         | 06         | OVC       | 020       |                     |                        | 10.00         |                   | 40                 | 33       | 37        | 77       | 12                      | 28                   | 29.06                 | 29.80        |           |
| 09         | BKN       | 005                 |                        |                   | 1.50 BR       |                    |          |           |          |                         |             |                       |         | 09         | OVC       | 018       |                     |                        | 10.00         |                   | 41                 | 34       | 38        | 76       | 10                      | 29                   | 29.14                 | 29.87        |           |
| 12         | BKN       | 250                 |                        |                   | 6.00 HZ       |                    |          |           |          |                         |             |                       |         | 12         | OVC       | 018       |                     |                        | 10.00         |                   | 43                 | 36       | 40        | 76       | 9                       | 29                   | 29.18                 | 29.91        |           |
| 15         | BKN       | 250                 |                        |                   | 7.00          |                    |          |           |          |                         |             |                       |         | 15         | OVC       | 026       |                     |                        | 10.00         |                   | 46                 | 36       | 42        | 68       | 8                       | 28                   | 29.18                 | 29.91        |           |
| 18         | BKN       | 250                 |                        |                   | 7.00          |                    |          |           |          |                         |             |                       |         | 18         | OVC       | 028       |                     |                        | 10.00         |                   | 46                 | 37       | 42        | 71       | 8                       | 28                   | 29.23                 | 29.96        |           |
| 21         | BKN       | 250                 |                        |                   | 7.00          |                    |          |           |          |                         |             |                       |         | 21         | OVC       | 055       |                     |                        | 9.00          |                   | 42                 | 36       | 39        | 79       | 3                       | 20                   | 29.24                 | 29.97        |           |
| 24         | SCT       | NC                  |                        |                   | 6.00 BR       |                    |          |           |          |                         |             |                       |         | 24         | OVC       | 050       |                     |                        | 7.00          |                   | 44                 | 38       | 41        | 79       | 5                       | 20                   | 29.24                 | 29.97        |           |
|            |           |                     |                        |                   | SUNRISE: 0601 | MAR 17             |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               | SUNRISE: 0550     | MAR 23             |          |           |          |                         |                      |                       | SUNSET: 1806 |           |
| 03         | SCT       | NC                  |                        |                   | 3.00 BR       |                    |          |           |          |                         |             |                       |         | 03         | OVC       | 050       |                     |                        | 8.00          |                   | 44                 | 37       | 41        | 76       | 3                       | 22                   | 29.22                 | 29.94        |           |
| 06         | BKN       | 250                 |                        |                   | 2.50 BCFG     |                    |          |           |          |                         |             |                       |         | 06         | OVC       | 050       |                     |                        | 8.00          |                   | 42                 | 37       | 40        | 82       | 5                       | 18                   | 29.23                 | 29.96        |           |
| 09         | BKN       | 250                 |                        |                   | 2.50 HZ       |                    |          |           |          |                         |             |                       |         | 09         | FEW       | NC        |                     |                        | 8.00          |                   | 49                 | 38       | 44        | 66       | 5                       | 22                   | 29.23                 | 29.96        |           |
| 12         | BKN       | 250                 |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 12         | FEW       | NC        |                     |                        | 10.00         |                   | 59                 | 33       | 47        | 38       | 12                      | 27                   | 29.19                 | 29.91        |           |
| 15         | BKN       | 250                 |                        |                   | 10.00         |                    |          |           |          |                         |             |                       |         | 15         | SCT       | NC        |                     |                        | 10.00         |                   | 62                 | 33       | 48        | 34       | 9                       | 27                   | 29.15                 | 29.87        |           |
| 18         | OVC       | 250                 |                        |                   | 7.00          |                    |          |           |          |                         |             |                       |         | 18         | BKN       | 200       |                     |                        | 10.00         |                   | 59                 | 32       | 47        | 36       | 5                       | 21                   | 29.15                 | 29.87        |           |
| 21         | OVC       | 002                 |                        |                   | 0.50 FG       |                    |          |           |          |                         |             |                       |         | 21         | BKN       | 200       |                     |                        | 10.00         |                   | 50                 | 33       | 42        | 52       | 6                       | 19                   | 29.17                 | 29.89        |           |
| 24         | OVC       | 002                 |                        |                   | 0.50 FG       |                    |          |           |          |                         |             |                       |         | 24         | FEW       | NC        |                     |                        | 10.00         |                   | 48                 | 32       | 41        | 54       | 6                       | 18                   | 29.16                 | 29.88        |           |
|            |           |                     |                        |                   | SUNRISE: 0559 | MAR 18             |          |           |          |                         |             |                       |         |            |           |           |                     |                        |               | SUNRISE: 0549     | MAR 24             |          |           |          |                         |                      |                       | SUNSET: 1807 |           |
| 03         | OVC       | 004                 |                        |                   | 2.00 BR       |                    |          |           |          |                         |             |                       |         | 03         | CLR       | NC        |                     |                        | 10.00         |                   | 43                 | 31       | 38        | 63       | 9                       | 17                   | 29.11                 | 29.83        |           |
| 06         | OVC       | 007                 |                        |                   | 0.50 FG       |                    |          |           |          |                         |             |                       |         | 06         | BKN       | 150       |                     |                        | 10.00         |                   | 50                 | 37       | 44        | 60       | 6                       | 18                   | 29.11                 | 29.83        |           |
| 09         | OVC       | 002                 |                        |                   | 0.25 BR       |                    |          |           |          |                         |             |                       |         | 09         | BKN       | 150       |                     |                        | 10.00         |                   | 62                 | 40       | 51        | 44       | 17                      | 21                   | 29.07                 | 29.79        |           |
| 12         | OVC       | 006                 |                        |                   | 2.00 BR       |                    |          |           |          |                         |             |                       |         | 12         | BKN       | 150       |                     |                        | 10.00         |                   | 66                 | 43       | 54        | 43       | 15                      | 25                   | 29.05                 | 29.77        |           |
| 15         | OVC       | 015                 |                        |                   | 5.00 HZ       |                    |          |           |          |                         |             |                       |         | 15         | SCT       | NC        |                     |                        | 10.00         |                   | 73                 | 46       | 58        | 38       | 14                      | 27                   | 28.99                 | 29.71        |           |
| 18         | OVC       | 200                 |                        |                   | 5.00 HZ       |                    |          |           |          |                         |             |                       |         | 18         | BKN       | 100       |                     |                        | 10.00         |                   | 68                 | 47       | 56        | 47       | 8                       | 29                   | 29.00                 | 29.72        |           |
| 21         | OVC       | 020                 |                        |                   | 5.00 BR       |                    |          |           |          |                         |             |                       |         | 21         | OVC       | 090       |                     |                        | 10.00         |                   | 54                 | 45       | 49        | 72       | 12                      | 01                   | 29.08                 | 29.80        |           |
| 24         | CLR       | NC                  |                        |                   | 9.00          |                    |          |           |          |                         |             |                       |         | 24         | OVC       | 050       |                     |                        | 10.00         |                   | 50                 | 42       | 46        | 74       | 13                      | 34                   | 29.14                 | 29.86        |           |

# OBSERVATIONS AT 3-HOURLY INTERVALS

# CHICAGO, IL

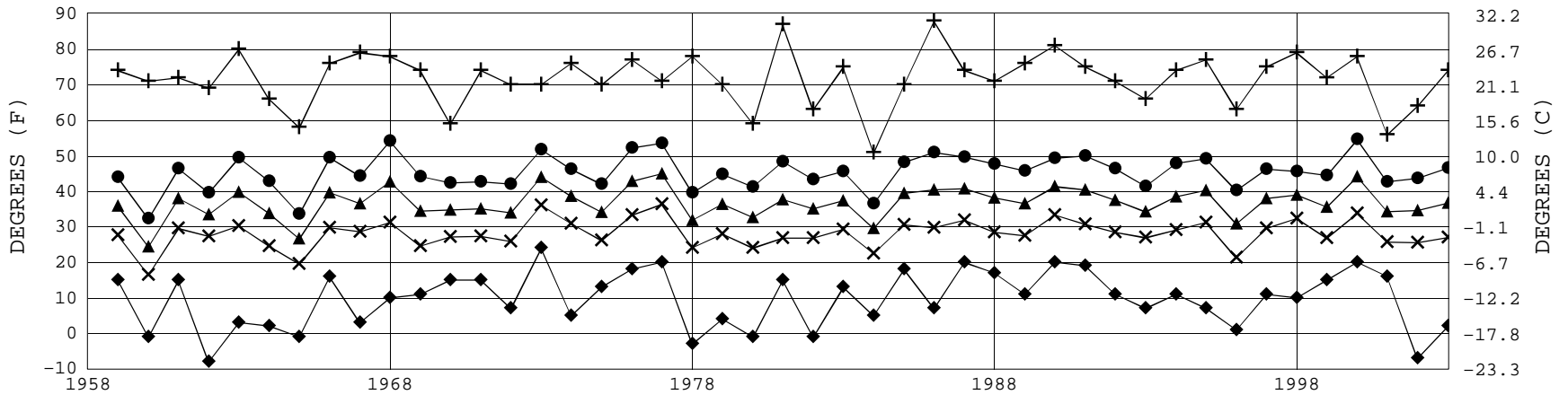
MARCH 2003

ORD

WBAN # 94846

| HOUR (LST)    | SKY COVER                 |                       | CEILING<br>100'S OF FT | SATELLITE                 |                       | VISIBILITY<br>(MILES) | WEATHER | TEMPERATURE<br>°F |           |          |                            | WIND        |                          | PRESSURE<br>(INCHES, HG) |              | HOUR (LST)   | SKY COVER                 |                       | CEILING<br>100'S OF FT | SATELLITE                 |                       | VISIBILITY<br>(MILES) | WEATHER | TEMPERATURE<br>°F |           |          |                            | WIND        |                          | PRESSURE<br>(INCHES, HG) |              |       |
|---------------|---------------------------|-----------------------|------------------------|---------------------------|-----------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|--|---------------------------|-----------------------|------------------------|---------------------------|-----------------------|-----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|-------|
|               | OBSERVATION<br>TIME (LST) | EFF CLD AMT<br>Okltas |                        | OBSERVATION<br>TIME (LST) | EFF CLD AMT<br>Okltas |                       |         | DRY BULB          | DEW POINT | WET BULB | RELATIVE<br>HUMIDITY (PCT) | SPEED (MPH) | DIRECTION<br>TENS OF DEG | STATION                  | SEA<br>LEVEL |  | OBSERVATION<br>TIME (LST) | EFF CLD AMT<br>Okltas |                        | OBSERVATION<br>TIME (LST) | EFF CLD AMT<br>Okltas |                       |         | DRY BULB          | DEW POINT | WET BULB | RELATIVE<br>HUMIDITY (PCT) | SPEED (MPH) | DIRECTION<br>TENS OF DEG | STATION                  | SEA<br>LEVEL |       |
| SUNRISE: 0547 |                           |                       |                        |                           |                       |                       |         | MAR 25            |           |          |                            |             |                          |                          |              | SUNSET: 1808   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 03            | OVC                       | 050                   |                        |                           | 10.00                 |                       |         | 44                | 42        | 43       | 93                         | 5           | 17                       | 29.14                    | 29.85        | 03   | CLR                       | NC                    |                        |                           |                       | 10.00                 |         |                   | 28        | 23       | 26                         | 81          | 3                        | 24                       | 29.39        | 30.14 |
| 06            | BKN                       | 200                   |                        |                           | 10.00                 |                       |         | 43                | 42        | 43       | 97                         | 5           | 24                       | 29.18                    | 29.90        | 06   | FEW                       | NC                    |                        |                           |                       | 10.00                 |         |                   | 25        | 22       | 24                         | 88          | 0                        | 00                       | 29.41        | 30.16 |
| 09            | BKN                       | 250                   |                        |                           | 10.00                 |                       |         | 51                | 38        | 45       | 61                         | 10          | 31                       | 29.22                    | 29.94        | 09   | SCT                       | NC                    |                        |                           |                       | 10.00                 |         |                   | 42        | 22       | 34                         | 45          | 8                        | 25                       | 29.41        | 30.15 |
| 12            | BKN                       | 250                   |                        |                           | 10.00                 |                       |         | 58                | 29        | 45       | 33                         | 9           | 29                       | 29.21                    | 29.93        | 12   | FEW                       | NC                    |                        |                           |                       | 10.00                 |         |                   | 48        | 22       | 38                         | 36          | 8                        | 20                       | 29.35        | 30.09 |
| 15            | OVC                       | 200                   |                        |                           | 10.00                 |                       |         | 57                | 29        | 45       | 34                         | 9           | 27                       | 29.18                    | 29.91        | 15   | BKN                       | 250                   |                        |                           |                       | 10.00                 |         |                   | 53        | 22       | 40                         | 30          | 12                       | 23                       | 29.23        | 29.96 |
| 18            | BKN                       | 200                   |                        |                           | 10.00                 |                       |         | 53                | 27        | 42       | 37                         | 9           | 30                       | 29.21                    | 29.94        | 18   | OVC                       | 050                   |                        |                           |                       | 10.00                 | -RA     |                   | 53        | 27       | 42                         | 37          | 17                       | 22                       | 29.14        | 29.88 |
| 21            | FEW                       | NC                    |                        |                           | 10.00                 |                       |         | 47                | 29        | 39       | 50                         | 7           | 29                       | 29.22                    | 29.95        | 21   | OVC                       | 070                   |                        |                           |                       | 10.00                 | -RA     |                   | 46        | 42       | 44                         | 86          | 12                       | 17                       | 29.07        | 29.80 |
| 24            | FEW                       | NC                    |                        |                           | 10.00                 |                       |         | 41                | 26        | 35       | 55                         | 7           | 30                       | 29.25                    | 29.97        | 24   | SCT                       | NC                    |                        |                           |                       | 10.00                 |         |                   | 49        | 37       | 43                         | 64          | 15                       | 21                       | 28.94        | 29.67 |
| SUNRISE: 0545 |                           |                       |                        |                           |                       |                       |         | MAR 26            |           |          |                            |             |                          |                          |              | SUNSET: 1809   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 03            | CLR                       | NC                    |                        |                           | 10.00                 |                       |         | 35                | 26        | 32       | 70                         | 3           | 24                       | 29.24                    | 29.97        | 3-HOURLY OBSERVATION NOTES   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 06            | BKN                       | 100                   |                        |                           | 10.00                 |                       |         | 37                | 29        | 34       | 73                         | 3           | 30                       | 29.27                    | 30.00        | Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,                    |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 09            | BKN                       | 090                   |                        |                           | 10.00                 |                       |         | 49                | 27        | 40       | 43                         | 5           | VR                       | 29.27                    | 29.99        | SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.                       |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 12            | BKN                       | 095                   |                        |                           | 10.00                 |                       |         | 59                | 27        | 45       | 29                         | 15          | 23                       | 29.21                    | 29.93        | Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 15            | BKN                       | 250                   |                        |                           | 10.00                 |                       |         | 50                | 28        | 41       | 43                         | 13          | 05                       | 29.18                    | 29.91        | NC= No ceiling detected.   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 18            | OVC                       | 200                   |                        |                           | 10.00                 |                       |         | 45                | 31        | 39       | 58                         | 8           | 06                       | 29.22                    | 29.95        | & = Original observation contained additional weather elements.                                |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 21            | OVC                       | 085                   |                        |                           | 10.00                 |                       |         | 45                | 30        | 39       | 56                         | 7           | VR                       | 29.24                    | 29.97        | See page 3 for additional notes.   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 24            | OVC                       | 048                   |                        |                           | 8.00                  | -RA                   |         | 44                | 33        | 39       | 65                         | 8           | 13                       | 29.23                    | 29.95        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| SUNRISE: 0543 |                           |                       |                        |                           |                       |                       |         | MAR 27            |           |          |                            |             |                          |                          |              | SUNSET: 1810   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 03            | SCT                       | NC                    |                        |                           | 10.00                 |                       |         | 41                | 34        | 38       | 76                         | 6           | 08                       | 29.17                    | 29.90        | SUMMARY BY HOUR  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 06            | OVC                       | 120                   |                        |                           | 10.00                 |                       |         | 42                | 36        | 39       | 79                         | 7           | 14                       | 29.17                    | 29.90        | AVERAGES   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 09            | OVC                       | 150                   |                        |                           | 10.00                 |                       |         | 49                | 36        | 43       | 61                         | 12          | 15                       | 29.18                    | 29.90        | RESULTANT WIND (MPH)   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 12            | BKN                       | 200                   |                        |                           | 10.00                 |                       |         | 61                | 33        | 48       | 35                         | 20          | 15                       | 29.08                    | 29.80        | HOUR (LST)   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 15            | OVC                       | 150                   |                        |                           | 10.00                 |                       |         | 64                | 27        | 47       | 25                         | 20          | 17                       | 28.98                    | 29.71        | CEILOMETER   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 18            | OVC                       | 150                   |                        |                           | 10.00                 |                       |         | 62                | 32        | 48       | 32                         | 20          | 14                       | 28.91                    | 29.63        | EFF CLD AMT  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 21            | BKN                       | 150                   |                        |                           | 10.00                 |                       |         | 60                | 32        | 47       | 35                         | 9           | 18                       | 28.94                    | 29.65        | DRY BULB   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 24            | BKN                       | 085                   |                        |                           | 10.00                 |                       |         | 54                | 44        | 49       | 69                         | 14          | 15                       | 28.86                    | 29.57        | DEW POINT  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| SUNRISE: 0542 |                           |                       |                        |                           |                       |                       |         | MAR 28            |           |          |                            |             |                          |                          |              | SUNSET: 1811   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 03            | SCT                       | NC                    |                        |                           | 10.00                 |                       |         | 57                | 47        | 52       | 69                         | 10          | 19                       | 28.80                    | 29.50        | WET BULB   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 06            | OVC                       | 150                   |                        |                           | 10.00                 |                       |         | 58                | 50        | 54       | 75                         | 12          | 19                       | 28.80                    | 29.50        | RELATIVE HUMIDITY  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 09            | OVC                       | 027                   |                        |                           | 2.00                  | RA BR                 |         | 58                | 55        | 56       | 90                         | 17          | 20                       | 28.78                    | 29.49        | PRESSURE (INCHES, HG)  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 12            | OVC                       | 060                   |                        |                           | 5.00                  | -RA BR                |         | 52                | 49        | 50       | 89                         | 14          | 23                       | 28.85                    | 29.57        | STATION  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 15            | OVC                       | 017                   |                        |                           | 7.00                  | -RA                   |         | 45                | 42        | 44       | 90                         | 20          | 24                       | 28.91                    | 29.63        | SEA LEVEL  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 18            | OVC                       | 010                   |                        |                           | 10.00                 |                       |         | 39                | 36        | 38       | 89                         | 15          | 25                       | 29.00                    | 29.73        | VISIBILITY (MILES)   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 21            | OVC                       | 018                   |                        |                           | 10.00                 |                       |         | 38                | 32        | 35       | 79                         | 13          | 28                       | 29.04                    | 29.77        | WIND SPEED (MPH)   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 24            | OVC                       | 026                   |                        |                           | 10.00                 |                       |         | 36                | 26        | 32       | 67                         | 17          | 31                       | 29.13                    | 29.86        | SPEED  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| SUNRISE: 0540 |                           |                       |                        |                           |                       |                       |         | MAR 29            |           |          |                            |             |                          |                          |              | SUNSET: 1812   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 03            | OVC                       | 031                   |                        |                           | 10.00                 |                       |         | 35                | 26        | 32       | 70                         | 15          | 30                       | 29.15                    | 29.88        | DIRECTION  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 06            | BKN                       | 041                   |                        |                           | 10.00                 |                       |         | 33                | 23        | 29       | 67                         | 10          | 32                       | 29.24                    | 29.98        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 09            | BKN                       | 037                   |                        |                           | 10.00                 |                       |         | 33                | 20        | 29       | 59                         | 16          | 30                       | 29.32                    | 30.06        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 12            | BKN                       | 043                   |                        |                           | 10.00                 |                       |         | 37                | 20        | 31       | 50                         | 17          | 29                       | 29.36                    | 30.11        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 15            | OVC                       | 060                   |                        |                           | 9.00                  | -SN                   |         | 36                | 19        | 30       | 50                         | 13          | 31                       | 29.42                    | 30.17        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 18            | OVC                       | 035                   |                        |                           | 2.50                  | -SN                   |         | 32                | 24        | 29       | 73                         | 14          | 36                       | 29.50                    | 30.24        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 21            | OVC                       | 045                   |                        |                           | 9.00                  | -SN                   |         | 33                | 25        | 30       | 72                         | 6           | 33                       | 29.56                    | 30.30        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 24            | SCT                       | NC                    |                        |                           | 10.00                 |                       |         | 28                | 24        | 27       | 85                         | 5           | 26                       | 29.56                    | 30.30        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| SUNRISE: 0538 |                           |                       |                        |                           |                       |                       |         | MAR 30            |           |          |                            |             |                          |                          |              | SUNSET: 1814   |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 03            | CLR                       | NC                    |                        |                           | 10.00                 |                       |         | 25                | 23        | 24       | 92                         | 5           | 28                       | 29.53                    | 30.28        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 06            | FEW                       | NC                    |                        |                           | 10.00                 |                       |         | 26                | 21        | 24       | 81                         | 6           | 33                       | 29.54                    | 30.29        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 09            | FEW                       | NC                    |                        |                           | 10.00                 |                       |         | 34                | 16        | 28       | 48                         | 7           | 35                       | 29.54                    | 30.29        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 12            | SCT                       | NC                    |                        |                           | 10.00                 |                       |         | 40                | 16        | 32       | 38                         | 7           | 29                       | 29.50                    | 30.25        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 15            | BKN                       | 090                   |                        |                           | 10.00                 |                       |         | 42                | 17        | 33       | 36                         | 9           | 24                       | 29.44                    | 30.19        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 18            | SCT                       | NC                    |                        |                           | 10.00                 |                       |         | 36                | 26        | 32       | 67                         | 0           | 00                       | 29.41                    | 30.16        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 21            | OVC                       | 085                   |                        |                           | 10.00                 |                       |         | 37                | 23        | 32       | 57                         | 7           | 30                       | 29.41                    | 30.16        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |
| 24            | SCT                       | NC                    |                        |                           | 10.00                 |                       |         | 33                | 23        | 29       | 67                         | 5           | 33                       | 29.41                    | 30.15        |  |                           |                       |                        |                           |                       |                       |         |                   |           |          |                            |             |                          |                          |              |       |

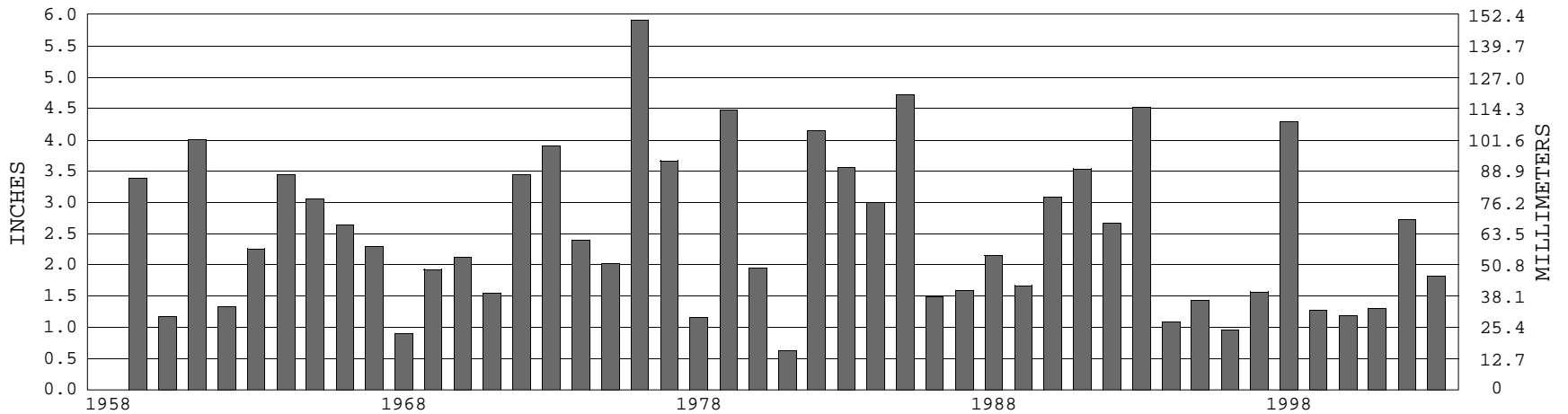
### CHICAGO, IL MARCH TEMPERATURES



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

Long-Term (1958-2003) Mean: 36.0      1961-1990 Normal: 37.3

### CHICAGO, IL MARCH PRECIPITATION



Long-Term (1958-2003) Mean Monthly Total: 2.47

1961-1990 Normal: 2.65



MARCH 2003  
CHICAGO, IL

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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