



# JANUARY 2000

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

## WILMINGTON, DE

NEW CASTLE COUNTY APRT (ILG)

Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 93 Feet

Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

| DATE                                     | TEMPERATURE °F |         |         |                    |                   |                     | DEG DAYS<br>BASE 65 ° |         | WEATHER                            | SNOW/ICE<br>ON GND(IN)              |                        | PRECIPITATION<br>(INCHES) |                        | PRESSURE<br>(INCHES OF HG) |                               | WIND<br>SPEED = MPH<br>DIR = TENS OF DEGREES |                    |                  |         |      |                      |                                                |    | DATE |  |  |  |
|------------------------------------------|----------------|---------|---------|--------------------|-------------------|---------------------|-----------------------|---------|------------------------------------|-------------------------------------|------------------------|---------------------------|------------------------|----------------------------|-------------------------------|----------------------------------------------|--------------------|------------------|---------|------|----------------------|------------------------------------------------|----|------|--|--|--|
|                                          | MAXIMUM        | MINIMUM | AVERAGE | DEP FROM<br>NORMAL | AVERAGE<br>DEW PT | AVERAGE<br>WET BULB | HEATING               | COOLING |                                    | 0700<br>LST                         | 1300<br>LST            | 2400<br>LST               | 2400<br>LST            | AVERAGE<br>STATION         | AVERAGE<br>SEA<br>LEVEL       | RESULTANT<br>SPEED                           | RES DIR            | AVERAGE<br>SPEED | MAXIMUM |      |                      |                                                |    |      |  |  |  |
|                                          |                |         |         |                    |                   |                     |                       |         |                                    |                                     |                        |                           |                        |                            |                               |                                              |                    |                  | 5-SEC   |      | 2-MIN                |                                                |    |      |  |  |  |
|                                          |                |         |         |                    |                   |                     |                       |         |                                    |                                     |                        |                           |                        |                            |                               |                                              |                    |                  | SPEED   | DIR  | SPEED                | DIR                                            |    |      |  |  |  |
| 1                                        | 2              | 3       | 4       | 5                  | 6                 | 7                   | 8                     | 9       | 10                                 | 11                                  | 12                     | 13                        | 14                     | 15                         | 16                            | 17                                           | 18                 | 19               | 20      | 21   | 22                   | 23                                             | 24 |      |  |  |  |
| 01                                       | 41             | 27      | 34      | 2                  | 35                | 35                  | 31                    | 0       | FG+ FZFG BR                        |                                     |                        |                           | 0.00                   | 30.15                      | 30.25                         | 1.3                                          | 11                 | 2.2              | 9       | 14   | 9                    | 15                                             | 01 |      |  |  |  |
| 02                                       | 64             | 34      | 49      | 17                 | 31                | 42                  | 16                    | 0       | FG+ BR HZ                          |                                     |                        |                           | 0.00                   | 30.02                      | 30.12                         | 7.1                                          | 19                 | 8.3              | 24      | 21   | 20                   | 22                                             | 02 |      |  |  |  |
| 03                                       | 64             | 50      | 57      | 25                 | 51                | 54                  | 8                     | 0       | BR                                 |                                     |                        |                           | 0.00                   | 29.95                      | 30.05                         | 6.8                                          | 19                 | 7.9              | 21      | 20   | 16                   | 21                                             | 03 |      |  |  |  |
| 04                                       | 68*            | 47      | 58*     | 27                 | 52                | 55                  | 7                     | 0       | RA BR                              |                                     |                        |                           | 0.78                   | 29.66                      | 29.76                         | 9.4                                          | 20                 | 14.1             | 34      | 27   | 28                   | 31                                             | 04 |      |  |  |  |
| 05                                       | 47             | 27      | 37      | 6                  | 21                | 32                  | 28                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.10                      | 30.20                         | 14.7                                         | 30                 | 14.9             | 33      | 31   | 29                   | 31                                             | 05 |      |  |  |  |
| 06                                       | 43             | 25      | 34      | 3                  | 25                | 31                  | 31                    | 0       | BR                                 |                                     |                        |                           | 0.00                   | 30.41                      | 30.51                         | 5.0                                          | 13                 | 5.9              | 15      | 15   | 14                   | 15                                             | 06 |      |  |  |  |
| 07                                       | 52             | 27      | 40      | 9                  | 25                | 33                  | 25                    | 0       | FG+ FZFG BR                        |                                     |                        |                           | 0.00                   | 30.15                      | 30.26                         | 7.6                                          | 28                 | 8.0              | 34      | 27   | 30                   | 27                                             | 07 |      |  |  |  |
| 08                                       | 41             | 26      | 34      | 3                  | 22                | 30                  | 31                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.22                      | 30.33                         | 2.9                                          | 22                 | 4.0              | 14      | 22   | 10                   | 21                                             | 08 |      |  |  |  |
| 09                                       | 47             | 36      | 42      | 11                 | 36                | 39                  | 23                    | 0       | RA                                 |                                     |                        |                           | T                      | 29.98                      | 30.08                         | 4.0                                          | 16                 | 4.6              | 13      | 19   | 10                   | 20                                             | 09 |      |  |  |  |
| 10                                       | 57             | 42      | 50      | 19                 | 40                | 43                  | 15                    | 0       | RA FG BR HZ                        |                                     |                        |                           | 0.41                   | 29.60                      | 29.70                         | 5.1                                          | 17                 | 10.3             | 37      | 21   | 29                   | 22                                             | 10 |      |  |  |  |
| 11                                       | 54             | 39      | 47      | 16                 | 28                | 38                  | 18                    | 0       | RA SQ                              |                                     |                        |                           | T                      | 29.62                      | 29.72                         | 13.1                                         | 24                 | 15.1             | 55*     | 26   | 45*                  | 26                                             | 11 |      |  |  |  |
| 12                                       | 47             | 34      | 41      | 10                 | 22                | 34                  | 24                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.04                      | 30.14                         | 9.2                                          | 26                 | 9.9              | 31      | 28   | 23                   | 28                                             | 12 |      |  |  |  |
| 13                                       | 51             | 22      | 37      | 7                  | 25                | 33                  | 28                    | 0       | RA BR                              |                                     |                        |                           | 0.06                   | 29.82                      | 29.92                         | 8.5                                          | 32                 | 13.9             | 45      | 30   | 34                   | 31                                             | 13 |      |  |  |  |
| 14                                       | 28             | 18      | 23      | -7                 | 3                 | 18                  | 42                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.41                      | 30.51                         | 17.4                                         | 31                 | 17.7             | 37      | 31   | 31                   | 31                                             | 14 |      |  |  |  |
| 15                                       | 31             | 17      | 24      | -6                 | 14                | 22                  | 41                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.52                      | 30.62                         | 4.2                                          | 18                 | 7.1              | 18      | 17   | 16                   | 17                                             | 15 |      |  |  |  |
| 16                                       | 52             | 26      | 39      | 9                  | 20                | 32                  | 26                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.01                      | 30.11                         | 8.4                                          | 26                 | 16.6             | 43      | 30   | 33                   | 31                                             | 16 |      |  |  |  |
| 17                                       | 26             | 10      | 18      | -12                | -9                | 12                  | 47                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.29                      | 30.39                         | 19.0                                         | 32                 | 19.2             | 39      | 31   | 31                   | 31                                             | 17 |      |  |  |  |
| 18                                       | 21             | 7       | 14*     | -16                | -3                | 11                  | 51                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.04                      | 30.14                         | 7.1                                          | 30                 | 8.0              | 20      | 32   | 17                   | 32                                             | 18 |      |  |  |  |
| 19                                       | 35             | 12      | 24      | -6                 | 11                | 21                  | 41                    | 0       |                                    |                                     |                        |                           | 0.00                   | 29.84                      | 29.94                         | 5.4                                          | 29                 | 8.1              | 25      | 30   | 23                   | 30                                             | 19 |      |  |  |  |
| 20                                       | 31             | 24      | 28      | -2                 | 24                | 27                  | 37                    | 0       | RA SN FZFG BR                      |                                     |                        |                           | 0.14                   | 29.52                      | 29.62                         | 4.1                                          | 01                 | 10.9             | 41      | 30   | 30                   | 30                                             | 20 |      |  |  |  |
| 21                                       | 24             | 11      | 18      | -12                | 3                 | 14                  | 47                    | 0       | RA SN HZ                           |                                     |                        |                           | T                      | 29.77                      | 29.87                         | 19.6                                         | 29                 | 19.9             | 45      | 28   | 33                   | 30                                             | 21 |      |  |  |  |
| 22                                       | 21             | 9       | 15      | -15                | 2                 | 13                  | 50                    | 0       | SN BR                              |                                     |                        |                           | T                      | 30.11                      | 30.21                         | 8.0                                          | 26                 | 8.8              | 24      | 28   | 21                   | 27                                             | 22 |      |  |  |  |
| 23                                       | 28             | 20      | 24      | -6                 | 18                | 22                  | 41                    | 0       | SN BR                              |                                     |                        |                           | T                      | 30.08                      | 30.18                         | 5.4                                          | 05                 | 6.9              | 13      | 05   | 10                   | 03                                             | 23 |      |  |  |  |
| 24                                       | 38             | 27      | 33      | 3                  | 23                | 29                  | 32                    | 0       |                                    |                                     |                        |                           | 0.00                   | 29.96                      | 30.06                         | 7.2                                          | 36                 | 7.6              | 20      | 01   | 15                   | 01                                             | 24 |      |  |  |  |
| 25                                       | 33             | 25      | 29      | -1                 | 23                | 26                  | 36                    | 0       | RA FZRA SN PL FZFG BR              |                                     |                        |                           | 0.35                   | 29.35                      | 29.44                         | 18.9                                         | 34                 | 21.5             | 36      | 33   | 31                   | 01                                             | 25 |      |  |  |  |
| 26                                       | 30             | 22      | 26      | -4                 | 14                | 23                  | 39                    | 0       | RA                                 |                                     |                        |                           | T                      | 29.67                      | 29.77                         | 14.9                                         | 30                 | 15.4             | 34      | 30   | 28                   | 29                                             | 26 |      |  |  |  |
| 27                                       | 23             | 10      | 17      | -13                | 2                 | 14                  | 48                    | 0       | RA HZ BLSN                         |                                     |                        |                           | T                      | 30.04                      | 30.14                         | 18.8                                         | 30                 | 19.2             | 37      | 30   | 32                   | 29                                             | 27 |      |  |  |  |
| 28                                       | 23             | 6*      | 15      | -16                | -2                | 12                  | 50                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.34                      | 30.44                         | 12.7                                         | 29                 | 13.3             | 34      | 30   | 29                   | 30                                             | 28 |      |  |  |  |
| 29                                       | 36             | 11      | 24      | -7                 | 2                 | 17                  | 41                    | 0       |                                    |                                     |                        |                           | 0.00                   | 30.45                      | 30.55                         | 5.2                                          | 31                 | 6.1              | 15      | 32   | 14                   | 31                                             | 29 |      |  |  |  |
| 30                                       | 34             | 10      | 22      | -9                 | 17                | 23                  | 43                    | 0       | RA FZRA SN FG+ FZFG BR             |                                     |                        |                           | 0.70                   | 30.17                      | 30.27                         | 4.8                                          | 02                 | 7.0              | 25      | 04   | 21                   | 06                                             | 30 |      |  |  |  |
| 31                                       | 34             | 26      | 30      | -1                 | 22                | 27                  | 35                    | 0       | RA BR                              |                                     |                        |                           | 0.01                   | 29.78                      | 29.88                         | 10.3                                         | 27                 | 11.5             | 30      | 25   | 25                   | 26                                             | 31 |      |  |  |  |
| 39.5 23.5 31.5 ■■                        |                |         |         |                    |                   |                     |                       |         |                                    | < MONTHLY AVERAGES                  |                        | TOTALS-->                 |                        |                            | 2.45                          | 30.00                                        | 30.10              | 5.9              | 29      | 11.1 | <-- MONTHLY AVERAGES |                                                |    |      |  |  |  |
| 0.8 1.1 0.9 ■■                           |                |         |         |                    |                   |                     |                       |         |                                    | <----- DEPARTURE FROM NORMAL -----> |                        |                           |                        |                            |                               |                                              |                    |                  |         | -.58 |                      | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 |    |      |  |  |  |
| DEGREE DAYS                              |                |         |         |                    |                   |                     |                       |         | GREATEST 24-HR PRECIPITATION: 0.78 |                                     |                        |                           | DATE :04               |                            |                               |                                              | SEA LEVEL PRESSURE |                  |         |      | DATE TIME            |                                                |    |      |  |  |  |
| MONTHLY TOTAL DEPARTURE 1032 -34         |                |         |         |                    |                   |                     |                       |         | GREATEST 24-HR SNOWFALL:           |                                     |                        |                           | DATE :                 |                            |                               |                                              | MAXIMUM : 30.73    |                  |         |      | 15 0951              |                                                |    |      |  |  |  |
| SEASON TO DATE TOTAL DEPARTURE 2678 -177 |                |         |         |                    |                   |                     |                       |         | GREATEST SNOW DEPTH:               |                                     |                        |                           | DATE :                 |                            |                               |                                              | MINIMUM : 29.21    |                  |         |      | 25 1551              |                                                |    |      |  |  |  |
| HEATING: 0 0 0 0                         |                |         |         |                    |                   |                     |                       |         | NUMBER OF DAYS WITH →              |                                     | MAXIMUM TEMP ≥ 90: 0   |                           | MINIMUM TEMP ≤ 32 : 24 |                            | PRECIPITATION ≥ 0.01 INCH : 7 |                                              |                    |                  |         |      |                      |                                                |    |      |  |  |  |
| COOLING: 0 0 0 0                         |                |         |         |                    |                   |                     |                       |         |                                    |                                     | MAXIMUM TEMP ≤ 32 : 11 |                           | MINIMUM TEMP ≤ 0 : 0   |                            | PRECIPITATION ≥ 0.10 INCH : 5 |                                              |                    |                  |         |      |                      |                                                |    |      |  |  |  |
|                                          |                |         |         |                    |                   |                     |                       |         |                                    |                                     | THUNDERSTORMS : 0      |                           | HEAVY FOG : 4          |                            | SNOWFALL ≥ 1.0 INCH :         |                                              |                    |                  |         |      |                      |                                                |    |      |  |  |  |

JANUARY 2000  
WILMINGTON, DE

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JANUARY 2000

ILG

WBAN # 13781

| DATE | FOR HOUR (LST) ENDING AT |      |   |   |      |      |      |      |      |      |      |      | DATE | FOR HOUR (LST) ENDING AT |      |      |      |      |      |      |      |      |      |      |    | DATE | Sum if Different<br>(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   | T                        |      |   | T | T    |      |      |      |      | 0.01 | 0.08 | 0.08 | 01   | 0.16                     | 0.05 | 0.01 | T    | 0.02 |      | T    |      |      |      |      |    | 01   | 0.32                           |          | 0.00   |
| 02   |                          |      |   |   |      |      |      |      |      |      |      |      | 02   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 03   |                          |      |   |   |      |      |      |      |      |      |      |      | 03   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 04   |                          |      |   |   |      |      |      |      |      |      |      |      | 04   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 05   |                          |      |   |   |      |      |      |      |      |      |      |      | 05   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.78 |                                |          |        |
| 06   |                          |      |   |   |      |      |      |      |      |      |      |      | 06   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 07   |                          |      |   |   |      |      |      |      |      |      |      |      | 07   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 08   |                          |      |   |   |      |      |      |      |      |      |      |      | 08   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 09   |                          |      |   |   |      |      |      |      |      |      |      |      | 09   |                          |      |      |      |      |      |      |      |      |      |      |    | T    |                                |          |        |
| 10   |                          |      |   |   |      |      |      |      |      |      |      |      | 10   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.41 |                                |          |        |
| 11   |                          |      |   |   |      |      |      |      |      |      |      |      | 11   |                          |      |      |      |      |      |      |      |      |      |      |    | T    |                                |          |        |
| 12   |                          |      |   |   |      |      |      |      |      |      |      |      | 12   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 13   |                          |      |   |   |      |      |      |      |      |      |      |      | 13   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.06 |                                |          |        |
| 14   |                          |      |   |   |      |      |      |      |      |      |      |      | 14   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 15   |                          |      |   |   |      |      |      |      |      |      |      |      | 15   |                          |      |      |      |      |      |      |      |      |      |      |    | 0.00 |                                |          |        |
| 16   | 16                       | 0.00 |   |   |      |      |      |      |      |      |      |      |      |                          |      |      |      |      |      |      |      |      |      |      |    |      |                                |          |        |
| 17   | 17                       | 0.00 |   |   |      |      |      |      |      |      |      |      |      |                          |      |      |      |      |      |      |      |      |      |      |    |      |                                |          |        |
| 18   | 18                       | 0.00 |   |   |      |      |      |      |      |      |      |      |      |                          |      |      |      |      |      |      |      |      |      |      |    |      |                                |          |        |
| 19   | 19                       | 0.00 |   |   |      |      |      |      |      |      |      |      |      |                          |      |      |      |      |      |      |      |      |      |      |    |      |                                |          |        |
| 20   |                          |      | T |   | T    |      |      |      |      |      |      |      | 20   | 0.01                     | T    | 0.02 | 0.03 | 0.01 | 0.01 | 0.01 | 0.01 | T    | T    |      | T  | 20   | 0.14                           |          |        |
| 21   |                          |      |   |   |      |      |      |      |      |      |      |      | 21   | T                        | T    | T    | T    | T    |      |      |      |      |      |      | 21 |      |                                | T        |        |
| 22   |                          |      |   |   |      |      |      |      |      |      |      |      | 22   |                          |      |      |      |      |      |      |      |      |      |      | 22 |      |                                | T        |        |
| 23   |                          |      |   |   |      |      |      |      |      |      |      |      | 23   | T                        | T    | T    | T    | T    | T    |      |      |      |      |      | 23 |      |                                | T        |        |
| 24   |                          |      |   |   |      |      |      |      |      |      |      |      | 24   |                          |      |      |      |      |      |      |      |      |      |      | 24 |      |                                | 0.00     |        |
| 25   |                          |      |   | T | 0.01 | 0.06 | 0.05 | 0.02 | 0.02 | 0.02 | 0.01 | 0.05 | 25   |                          | 0.02 |      | 0.01 |      |      | 0.03 | 0.01 | 0.01 | T    | T    | T  | 25   | 0.32                           |          | 0.35   |
| 26   |                          |      |   |   |      |      |      |      |      |      |      |      | 26   |                          | T    | T    |      |      |      |      |      |      |      |      | 26 |      |                                | T        |        |
| 27   |                          |      |   |   |      |      |      |      |      |      |      |      | 27   |                          |      |      |      |      |      |      |      |      |      |      | 27 |      |                                | T        |        |
| 28   |                          |      |   |   |      |      |      |      |      |      |      |      | 28   |                          |      |      |      |      |      |      |      |      |      |      | 28 |      |                                | 0.00     |        |
| 29   |                          |      |   |   |      |      |      |      |      |      |      |      | 29   |                          |      |      |      |      |      |      |      |      |      |      | 29 |      |                                | 0.00     |        |
| 30   |                          |      |   |   |      |      |      |      |      |      |      |      | 30   |                          |      | T    | 0.02 | 0.05 | 0.11 | 0.09 | 0.12 | 0.10 | 0.16 | 0.05 | T  | 30   |                                |          | 0.70   |
| 31   |                          |      |   |   |      |      |      |      |      |      |      | 0.01 | 31   |                          |      |      |      |      |      |      |      |      |      |      | 31 |      |                                | 0.01     |        |

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

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

Date and time are not entered for TRACE amounts.

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

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

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

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

## WEATHER NOTATIONS

**WILMINGTON, DE  
JANUARY 2000**

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).

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

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

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

| DATE                                                                                                                                                                                                                                                                                                                                                                     | SUNSHINE         |                     | CLOUDINESS<br>(OKTAS) |           |            |           | VISIBILITY<br>(MILES) |         | RESERVED |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------|-----------------------|-----------|------------|-----------|-----------------------|---------|----------|
|                                                                                                                                                                                                                                                                                                                                                                          | TOTAL<br>MINUTES | PERCENT<br>POSSIBLE | SR-SS                 |           | MN-MN      |           | MINIMUM               | MAXIMUM |          |
|                                                                                                                                                                                                                                                                                                                                                                          |                  |                     | CEILOMETER            | SATELLITE | CEILOMETER | SATELLITE |                       |         |          |
| 01                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | <.25                  | 3.00    |          |
| 02                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | .25                   | 10.00   |          |
| 03                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 5.00                  | 10.00   |          |
| 04                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 2.50                  | 10.00   |          |
| 05                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 06                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 1.50                  | 10.00   |          |
| 07                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | <.25                  | 10.00   |          |
| 08                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 9.00                  | 10.00   |          |
| 09                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 7.00                  | 10.00   |          |
| 10                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | .50                   | 10.00   |          |
| 11                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 12                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 13                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 5.00                  | 10.00   |          |
| 14                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 15                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 16                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 17                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 18                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 19                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 20                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | .50                   | 10.00   |          |
| 21                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 2.50                  | 10.00   |          |
| 22                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 23                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 3.00                  | 10.00   |          |
| 24                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 7.00                  | 10.00   |          |
| 25                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | .25                   | 10.00   |          |
| 26                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 8.00                  | 10.00   |          |
| 27                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 1.50                  | 10.00   |          |
| 28                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 8.00                  | 10.00   |          |
| 29                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 10.00                 | 10.00   |          |
| 30                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | .25                   | 10.00   |          |
| 31                                                                                                                                                                                                                                                                                                                                                                       |                  |                     |                       |           |            |           | 6.00                  | 10.00   |          |
| <b>MONTHLY AVGS</b>                                                                                                                                                                                                                                                                                                                                                      |                  |                     |                       |           |            |           | 5.84                  | 9.77    |          |
| <p align="center"><b>SUNSHINE (MINUTES)</b></p> <p>Total:                  Possible:</p> <p align="center">Percent Possible:</p>                                                                                                                                                                                                                                         |                  |                     |                       |           |            |           |                       |         |          |
| <p align="center"><b>NUMBER OF DAYS WITH:</b></p> <p align="center"><b>SKY CONDITION</b></p> <p align="center">CLR   PTLY CLDY   CLOUDY   MISSING</p> <p align="center">31</p> <p align="center"><b>MINIMUM VISIBILITY (MILES)</b></p> <p align="center">&lt;=0.25       &lt;=3.0       &gt;=7.0</p> <p align="center">3                      11                  16</p> |                  |                     |                       |           |            |           |                       |         |          |

## OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JANUARY 2000

ILG

WBAN # 13781

| 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 |               | 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 |               | DRY BULB       | DEW POINT | WET BULB     | RELATIVE HUMIDITY (PCT) | SPEED (MPH) | DIRECTION TENS OF DEG | STATION               | SEA LEVEL |
|            |           |                     |                        |                   | SUNRISE: 0723 | JAN 01         |           | SUNSET: 1649 |                         |             |                       |                       |           |            |           |                     |                        |                   | SUNRISE: 0723 | JAN 07         |           | SUNSET: 1654 |                         |             |                       |                       |           |
| 01         | CLR       | NC                  |                        |                   | 2.50 BR       | 32             | 30        | 31           | 92                      | 0           | 00                    | 30.11                 | 30.21     | 01         | CLR       | NC                  |                        |                   | 2.50 BR       | 31             | 31        | 31           | 100                     | 0           | 00                    | 30.25                 | 30.35     |
| 04         | VV        | 001                 |                        |                   | ^ .25 FZFG    | 27             | 27        | 27           | 100                     | 0           | 00                    | 30.13                 | 30.23     | 04         | CLR       | NC                  |                        |                   | 4.00 BR       | 29             | 28        | 29           | 96                      | 0           | 00                    | 30.19                 | 30.29     |
| 07         | VV        | 001                 |                        |                   | ^ .25 FZFG    | 30             | 30        | 30           | 100                     | 0           | 00                    | 30.18                 | 30.28     | 07         | BKN       | 002                 |                        |                   | 4.00 BR       | 28             | 27        | 28           | 96                      | 0           | 00                    | 30.15                 | 30.25     |
| 10         | VV        | 001                 |                        |                   | ^ .25 FG      | 33             | 33        | 33           | 100                     | 0           | 00                    | 30.22                 | 30.32     | 10         | FEW       | NC                  |                        |                   | 3.00 BR       | 32             | 32        | 32           | 100                     | 5           | 26                    | 30.12                 | 30.22     |
| 13         | VV        | 001                 |                        |                   | ^ .25 FG      | 38             | 38        | 38           | 100                     | 6           | 16                    | 30.15                 | 30.25     | 13         | CLR       | NC                  |                        |                   | 10.00         | 51             | 27        | 41           | 39                      | 20          | 28                    | 30.04                 | 30.14     |
| 16         | VV        | 001                 |                        |                   | 0.75 BR       | 40             | 39        | 40           | 97                      | 0           | 00                    | 30.14                 | 30.24     | 16         | BKN       | 065                 |                        |                   | 10.00         | 47             | 22        | 37           | 37                      | 15          | 29                    | 30.09                 | 30.19     |
| 19         | OVC       | 090                 |                        |                   | 3.00 BR       | 41             | 39        | 40           | 93                      | 3           | 11                    | 30.15                 | 30.25     | 19         | CLR       | NC                  |                        |                   | 10.00         | 41             | 20        | 33           | 43                      | 13          | 29                    | 30.18                 | 30.28     |
| 22         | FEW       | NC                  |                        |                   | 1.75 BR       | 39             | 39        | 39           | 100                     | 5           | 03                    | 30.15                 | 30.25     | 22         | CLR       | NC                  |                        |                   | 10.00         | 37             | 18        | 31           | 46                      | 12          | 30                    | 30.22                 | 30.32     |
|            |           |                     |                        |                   | SUNRISE: 0723 | JAN 02         |           | SUNSET: 1649 |                         |             |                       |                       |           |            |           |                     |                        |                   | SUNRISE: 0723 | JAN 08         |           | SUNSET: 1655 |                         |             |                       |                       |           |
| 01         | OVC       | 095                 |                        |                   | 0.25 FG       | 35             | 35        | 35           | 100                     | 3           | 36                    | 30.12                 | 30.22     | 01         | CLR       | NC                  |                        |                   | 10.00         | 30             | 19        | 26           | 64                      | 8           | 29                    | 30.25                 | 30.34     |
| 04         | OVC       | 080                 |                        |                   | 2.50 BR       | 38             | 37        | 38           | 97                      | 0           | 00                    | 30.11                 | 30.22     | 04         | CLR       | NC                  |                        |                   | 10.00         | 29             | 20        | 26           | 69                      | 5           | 26                    | 30.25                 | 30.35     |
| 07         | OVC       | 100                 |                        |                   | 3.00 HZ       | 39             | 31        | 36           | 73                      | 0           | 00                    | 30.10                 | 30.20     | 07         | CLR       | NC                  |                        |                   | 10.00         | 27             | 20        | 25           | 75                      | 3           | 24                    | 30.29                 | 30.40     |
| 10         | CLR       | NC                  |                        |                   | 5.00 HZ       | 48             | 31        | 41           | 52                      | 5           | 14                    | 30.10                 | 30.20     | 10         | CLR       | NC                  |                        |                   | 10.00         | 35             | 22        | 30           | 59                      | 5           | 29                    | 30.33                 | 30.43     |
| 13         | CLR       | NC                  |                        |                   | 10.00         | 62             | 28        | 47           | 28                      | 14          | 21                    | 30.01                 | 30.11     | 13         | CLR       | NC                  |                        |                   | 10.00         | 39             | 21        | 33           | 48                      | 7           | 21                    | 30.23                 | 30.33     |
| 16         | CLR       | NC                  |                        |                   | 10.00         | 64             | 28        | 48           | 26                      | 14          | 19                    | 29.95                 | 30.04     | 16         | CLR       | NC                  |                        |                   | 10.00         | 39             | 19        | 32           | 45                      | 6           | 21                    | 30.19                 | 30.29     |
| 19         | CLR       | NC                  |                        |                   | 10.00         | 53             | 28        | 42           | 38                      | 12          | 16                    | 29.94                 | 30.04     | 19         | CLR       | NC                  |                        |                   | 10.00         | 37             | 31        | 35           | 79                      | 6           | 16                    | 30.17                 | 30.27     |
| 22         | OVC       | 110                 |                        |                   | 10.00         | 58             | 26        | 44           | 30                      | 15          | 19                    | 29.93                 | 30.03     | 22         | CLR       | NC                  |                        |                   | 10.00         | 36             | 24        | 32           | 62                      | 6           | 19                    | 30.14                 | 30.24     |
|            |           |                     |                        |                   | SUNRISE: 0723 | JAN 03         |           | SUNSET: 1650 |                         |             |                       |                       |           |            |           |                     |                        |                   | SUNRISE: 0723 | JAN 09         |           | SUNSET: 1656 |                         |             |                       |                       |           |
| 01         | CLR       | NC                  |                        |                   | 10.00         | 58             | 41        | 50           | 54                      | 13          | 21                    | 29.92                 | 30.02     | 01         | OVC       | 090                 |                        |                   | 10.00         | 36             | 27        | 33           | 70                      | 6           | 18                    | 30.10                 | 30.20     |
| 04         | CLR       | NC                  |                        |                   | 10.00         | 57             | 52        | 54           | 83                      | 12          | 22                    | 29.93                 | 30.03     | 04         | OVC       | 050                 |                        |                   | 10.00         | 39             | 33        | 37           | 79                      | 8           | 21                    | 30.08                 | 30.18     |
| 07         | CLR       | NC                  |                        |                   | 8.00          | 54             | 51        | 52           | 90                      | 6           | 18                    | 29.96                 | 30.05     | 07         | OVC       | 070                 |                        |                   | 7.00          | 38             | 35        | 37           | 89                      | 5           | 16                    | 30.06                 | 30.16     |
| 10         | CLR       | NC                  |                        |                   | 7.00          | 59             | 53        | 56           | 81                      | 8           | 20                    | 30.01                 | 30.11     | 10         | OVC       | 080                 |                        |                   | 8.00          | 42             | 37        | 40           | 82                      | 3           | 17                    | 30.04                 | 30.14     |
| 13         | FEW       | NC                  |                        |                   | 10.00         | 63             | 54        | 58           | 73                      | 5           | 22                    | 29.98                 | 30.08     | 13         | FEW       | NC                  |                        |                   | 10.00         | 46             | 36        | 42           | 68                      | 5           | 15                    | 29.95                 | 30.05     |
| 16         | CLR       | NC                  |                        |                   | 9.00          | 60             | 54        | 57           | 80                      | 6           | 17                    | 29.96                 | 30.05     | 16         | BKN       | 090                 |                        |                   | 10.00         | 46             | 38        | 42           | 73                      | 6           | 16                    | 29.92                 | 30.02     |
| 19         | CLR       | NC                  |                        |                   | 7.00          | 54             | 52        | 53           | 93                      | 6           | 15                    | 29.96                 | 30.06     | 19         | OVC       | 043                 |                        |                   | 10.00         | 43             | 37        | 40           | 80                      | 7           | 14                    | 29.90                 | 30.00     |
| 22         | CLR       | NC                  |                        |                   | 5.00 BR       | 50             | 49        | 49           | 96                      | 6           | 15                    | 29.92                 | 30.02     | 22         | OVC       | 022                 |                        |                   | 10.00         | 43             | 37        | 40           | 80                      | 3           | 18                    | 29.89                 | 29.99     |
|            |           |                     |                        |                   | SUNRISE: 0723 | JAN 04         |           | SUNSET: 1651 |                         |             |                       |                       |           |            |           |                     |                        |                   | SUNRISE: 0723 | JAN 10         |           | SUNSET: 1657 |                         |             |                       |                       |           |
| 01         | BKN       | 085                 |                        |                   | 10.00         | 57             | 51        | 54           | 81                      | 9           | 16                    | 29.84                 | 29.94     | 01         | OVC       | 010                 |                        |                   | 6.00 BR       | 42             | 40        | 41           | 92                      | 5           | 15                    | 29.88                 | 29.98     |
| 04         | FEW       | NC                  |                        |                   | 10.00         | 53             | 50        | 51           | 89                      | 12          | 15                    | 29.80                 | 29.90     | 04         | OVC       | 006                 |                        |                   | 3.00 BR       | 43             | 41        | 42           | 93                      | 5           | 08                    | 29.84                 | 29.93     |
| 07         | SCT       | NC                  |                        |                   | 9.00          | 55             | 53        | 54           | 93                      | 10          | 17                    | 29.77                 | 29.86     | 07         | OVC       | 001                 |                        |                   | 0.50 FG       | 42             | 42        | 42           | 100                     | 8           | 08                    | 29.78                 | 29.88     |
| 10         | OVC       | 019                 |                        |                   | 10.00         | 63             | 58        | 60           | 84                      | 25          | 19                    | 29.70                 | 29.80     | 10         | OVC       | 001                 |                        |                   | 1.00 -RA BR   | 45             | 44        | 45           | 97                      | 6           | 09                    | 29.71                 | 29.81     |
| 13         | BKN       | 029                 |                        |                   | 10.00         | 67             | 58        | 62           | 73                      | 20          | 19                    | 29.56                 | 29.66     | 13         | OVC       | 001                 |                        |                   | 1.50 RA BR    | 48             | 48        | 48           | 100                     | 9           | 07                    | 29.40                 | 29.49     |
| 16         | OVC       | 065                 |                        |                   | 10.00 -RA     | 65             | 58        | 61           | 78                      | 16          | 18                    | 29.50                 | 29.60     | 16         | OVC       | 024                 |                        |                   | 10.00         | 53             | 40        | 47           | 61                      | 22          | 22                    | 29.30                 | 29.40     |
| 19         | OVC       | 041                 |                        |                   | 5.00 RA BR    | 51             | 49        | 50           | 92                      | 13          | 29                    | 29.57                 | 29.66     | 19         | CLR       | NC                  |                        |                   | 10.00         | 47             | 38        | 43           | 71                      | 8           | 22                    | 29.45                 | 29.55     |
| 22         | OVC       | 065                 |                        |                   | 10.00 -RA     | 48             | 42        | 45           | 80                      | 14          | 29                    | 29.61                 | 29.71     | 22         | CLR       | NC                  |                        |                   | 10.00         | 46             | 34        | 41           | 63                      | 9           | 22                    | 29.56                 | 29.65     |
|            |           |                     |                        |                   | SUNRISE: 0723 | JAN 05         |           | SUNSET: 1652 |                         |             |                       |                       |           |            |           |                     |                        |                   | SUNRISE: 0723 | JAN 11         |           | SUNSET: 1658 |                         |             |                       |                       |           |
| 01         | OVC       | 048                 |                        |                   | 10.00         | 46             | 34        | 41           | 63                      | 20          | 30                    | 29.67                 | 29.77     | 01         | CLR       | NC                  |                        |                   | 10.00         | 48             | 31        | 41           | 52                      | 14          | 22                    | 29.59                 | 29.69     |
| 04         | OVC       | 041                 |                        |                   | 10.00         | 40             | 26        | 35           | 58                      | 16          | 29                    | 29.79                 | 29.88     | 04         | CLR       | NC                  |                        |                   | 10.00         | 43             | 31        | 38           | 63                      | 9           | 20                    | 29.59                 | 29.69     |
| 07         | BKN       | 049                 |                        |                   | 10.00         | 37             | 21        | 31           | 52                      | 22          | 29                    | 29.90                 | 30.00     | 07         | CLR       | NC                  |                        |                   | 10.00         | 42             | 31        | 37           | 65                      | 8           | 19                    | 29.55                 | 29.64     |
| 10         | CLR       | NC                  |                        |                   | 10.00         | 38             | 19        | 31           | 47                      | 22          | 30                    | 30.06                 | 30.16     | 10         | CLR       | NC                  |                        |                   | 10.00         | 51             | 32        | 43           | 48                      | 17          | 21                    | 29.49                 | 29.59     |
| 13         | CLR       | NC                  |                        |                   | 10.00         | 41             | 20        | 33           | 43                      | 21          | 29                    | 30.14                 | 30.24     | 13         | SCT       | NC                  |                        |                   | 10.00         | 47             | 28        | 39           | 48                      | 14          | 23                    | 29.51                 | 29.61     |
| 16         | CLR       | NC                  |                        |                   | 10.00         | 39             | 18        | 32           | 43                      | 18          | 31                    | 30.23                 | 30.33     | 16         | SCT       | NC                  |                        |                   | 10.00         | 50             | 27        | 40           | 41                      | 17          | 25                    | 29.54                 | 29.64     |
| 19         | CLR       | NC                  |                        |                   | 10.00         | 34             | 18        | 29           | 52                      | 5           | 32                    | 30.34                 | 30.44     | 19         | CLR       | NC                  |                        |                   | 10.00         | 41             | 23        | 34           | 49                      | 18          | 28                    | 29.73                 | 29.83     |
| 22         | CLR       | NC                  |                        |                   | 10.00         | 31             | 18        | 27           | 59                      | 0           | 00                    | 30.40                 | 30.50     | 22         | CLR       | NC                  |                        |                   | 10.00         | 39             | 22        | 33           | 50                      | 15          | 25                    | 29.81                 | 29.91     |
|            |           |                     |                        |                   | SUNRISE: 0723 | JAN 06         |           | SUNSET: 1653 |                         |             |                       |                       |           |            |           |                     |                        |                   | SUNRISE: 0723 | JAN 12         |           | SUNSET: 1659 |                         |             |                       |                       |           |
| 01         | CLR       | NC                  |                        |                   | 10.00         | 28             | 22        | 26           | 78                      | 3           | 09                    | 30.44                 | 30.54     | 01         | CLR       | NC                  |                        |                   | 10.00         | 38             | 23        | 32           | 55                      | 9           | 26                    | 29.86                 | 29.96     |
| 04         | CLR       | NC                  |                        |                   | 10.00         | 29             | 17        | 25           | 61                      | 5           | 09                    | 30.48                 | 30.58     | 04         | CLR       | NC                  |                        |                   | 10.00         | 39             | 24        | 33           | 55                      | 18          | 28                    | 29.94                 | 30.03     |
| 07         | CLR       | NC                  |                        |                   | 10.00         | 28             | 15        | 24           | 58                      | 5           | 06                    | 30.51                 | 30.61     | 07         | CLR       | NC                  |                        |                   | 10.00         | 36             | 24        | 32           | 62                      | 9           | 26                    | 30.04                 | 30.14     |
| 10         | CLR       | NC                  |                        |                   | 10.00         | 32             | 19        | 28           | 59                      | 5           | 10                    | 30.51                 | 30.61     | 10         | CLR       | NC                  |                        |                   | 10.00         | 41             | 23        | 34           | 49                      | 14          | 27                    | 30.13                 | 30.23     |
| 13         | CLR       | NC                  |                        |                   | 10.00         | 41             | 26        | 35           | 55                      | 8           | 15                    | 30.41                 | 30.51     | 13         | CLR       | NC                  |                        |                   | 10.00         | 45             | 21        | 36           | 39                      | 10          | 24                    | 30.06                 | 30.16     |
| 16         | CLR       | NC                  |                        |                   | 10.00         | 43             | 30        | 38           | 60                      | 12          | 16                    | 30.35                 | 30.45     | 16         | CLR       | NC                  |                        |                   | 10.00         | 46             | 18        | 36           | 33                      | 13          | 25                    | 30.07                 | 30.17     |
| 19         | CLR       | NC                  |                        |                   | 10.00         | 38             | 33        | 36           | 83                      | 9           | 14                    | 30.33                 | 30.43     | 19         | CLR       | NC                  |                        |                   | 10.00         | 40             | 19        | 33           | 43                      | 5           | 19                    | 30.10                 | 30.20     |
| 22         | FEW       | NC                  |                        |                   | 10.00         | 37             | 35        | 36           | 93                      | 0           | 00                    | 30.31                 | 30.42     | 22         | CLR       | NC                  |                        |                   | 10.00         | 37             | 24        | 32           | 60                      | 3           | 04                    | 30.06                 | 30.16     |

## OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JANUARY 2000

ILG

WBAN # 13781

| 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 |
|               |           |                     |                        |                   |         |                    |          |           |          |                         |               |                       |         |            |           |           |                     |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| SUNRISE: 0722 |           |                     |                        |                   | JAN 13  | SUNSET: 1660       |          |           |          |                         | SUNRISE: 0720 |                       |         |            |           | JAN 19    | SUNSET: 1706        |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| 01            | OVC       | 090                 |                        |                   | 10.00   | -RA                | 37       | 30        | 34       | 76                      | 6             | 10                    | 29.97   | 30.07      | 01        | CLR       | NC                  |                        |         | 10.00             | 13                 | 4        | 11        | 67       | 8                       | 29                    | 29.86                 | 29.96   |           |
| 04            | OVC       | 100                 |                        |                   | 10.00   |                    | 39       | 27        | 34       | 62                      | 10            | 11                    | 29.80   | 29.90      | 04        | OVC       | 065                 |                        |         | 10.00             | 18                 | 1        | 14        | 47       | 5                       | 32                    | 29.83                 | 29.93   |           |
| 07            | OVC       | 060                 |                        |                   | 9.00    |                    | 43       | 31        | 38       | 63                      | 3             | 14                    | 29.68   | 29.78      | 07        | OVC       | 090                 |                        |         | 10.00             | 19                 | 5        | 16        | 54       | 5                       | 25                    | 29.86                 | 29.96   |           |
| 10            | OVC       | 085                 |                        |                   | 10.00   |                    | 40       | 31        | 36       | 70                      | 8             | 06                    | 29.63   | 29.73      | 10        | CLR       | NC                  |                        |         | 10.00             | 25                 | 9        | 21        | 50       | 7                       | 28                    | 29.88                 | 29.98   |           |
| 13            | SCT       | NC                  |                        |                   | 10.00   |                    | 46       | 38        | 42       | 73                      | 6             | VR                    | 29.55   | 29.65      | 13        | FEW       | NC                  |                        |         | 10.00             | 34                 | 14       | 28        | 44       | 14                      | 32                    | 29.82                 | 29.92   |           |
| 16            | BKN       | 070                 |                        |                   | 10.00   |                    | 39       | 28        | 35       | 65                      | 28            | 30                    | 29.74   | 29.84      | 16        | CLR       | NC                  |                        |         | 10.00             | 35                 | 14       | 28        | 42       | 13                      | 29                    | 29.83                 | 29.93   |           |
| 19            | CLR       | NC                  |                        |                   | 10.00   | 29                 | 15       | 25        | 56       | 23                      | 31            | 29.99                 | 30.09   | 19         | CLR       | NC        |                     |                        | 10.00   | 29                | 14                 | 24       | 54        | 0        | 00                      | 29.86                 | 29.96                 |         |           |
| 22            | CLR       | NC                  |                        |                   | 10.00   | 25                 | 6        | 20        | 44       | 20                      | 32            | 30.13                 | 30.23   | 22         | CLR       | NC        |                     |                        | 10.00   | 29                | 17                 | 25       | 61        | 5        | 13                      | 29.82                 | 29.92                 |         |           |
| SUNRISE: 0722 |           |                     |                        |                   | JAN 14  | SUNSET: 1701       |          |           |          |                         | SUNRISE: 0719 |                       |         |            |           | JAN 20    | SUNSET: 1708        |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| 01            | CLR       | NC                  |                        |                   | 10.00   | 21                 | 6        | 17        | 52       | 15                      | 33            | 30.20                 | 30.30   | 01         | BKN       | 100       |                     |                        | 10.00   | 29                | 17                 | 25       | 61        | 6        | 12                      | 29.75                 | 29.85                 |         |           |
| 04            | CLR       | NC                  |                        |                   | 10.00   | 20                 | 4        | 16        | 50       | 16                      | 31            | 30.28                 | 30.38   | 04         | OVC       | 033       |                     |                        | 10.00   | 29                | 16                 | 25       | 58        | 7        | 10                      | 29.65                 | 29.75                 |         |           |
| 07            | CLR       | NC                  |                        |                   | 10.00   | 19                 | 1        | 15        | 45       | 20                      | 31            | 30.37                 | 30.47   | 07         | OVC       | 021       |                     |                        | 1.50    | -SN               | BR                 |          |           |          |                         |                       |                       |         |           |
| 10            | CLR       | NC                  |                        |                   | 10.00   | 20                 | -3       | 15        | 36       | 23                      | 31            | 30.45                 | 30.55   | 10         | OVC       | 013       |                     |                        | 1.25    | -SN               | BR                 |          |           |          |                         |                       |                       |         |           |
| 13            | CLR       | NC                  |                        |                   | 10.00   | 25                 | 1        | 19        | 35       | 22                      | 32            | 30.43                 | 30.53   | 13         | OVC       | 007       |                     |                        | 1.00    | -SN               | BR                 |          |           |          |                         |                       |                       |         |           |
| 16            | CLR       | NC                  |                        |                   | 10.00   | 28                 | 2        | 21        | 32       | 17                      | 30            | 30.43                 | 30.53   | 16         | OVC       | 006       |                     |                        | 1.00    | -SN               | BR                 |          |           |          |                         |                       |                       |         |           |
| 19            | CLR       | NC                  |                        |                   | 10.00   | 25                 | 6        | 20        | 44       | 15                      | 29            | 30.48                 | 30.58   | 19         | OVC       | 012       |                     |                        | 1.00    | -SN               | BR                 |          |           |          |                         |                       |                       |         |           |
| 22            | CLR       | NC                  |                        |                   | 10.00   | 24                 | 7        | 20        | 48       | 14                      | 30            | 30.53                 | 30.63   | 22         | FEW       | NC        |                     |                        | 10.00   | 28                | 22                 | 26       | 78        | 22       | 30                      | 29.51                 | 29.61                 |         |           |
| SUNRISE: 0722 |           |                     |                        |                   | JAN 15  | SUNSET: 1702       |          |           |          |                         | SUNRISE: 0719 |                       |         |            |           | JAN 21    | SUNSET: 1709        |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| 01            | CLR       | NC                  |                        |                   | 10.00   | 19                 | 8        | 16        | 62       | 8                       | 28            | 30.53                 | 30.63   | 01         | CLR       | NC        |                     |                        | 10.00   | 22                | 10                 | 19       | 60        | 18       | 31                      | 29.60                 | 29.70                 |         |           |
| 04            | CLR       | NC                  |                        |                   | 10.00   | 20                 | 10       | 17        | 65       | 6                       | 24            | 30.56                 | 30.66   | 04         | FEW       | NC        |                     |                        | 8.00    | 18                | 3                  | 14       | 52        | 26       | 30                      | 29.65                 | 29.75                 |         |           |
| 07            | CLR       | NC                  |                        |                   | 10.00   | 18                 | 11       | 16        | 74       | 5                       | 29            | 30.60                 | 30.70   | 07         | CLR       | NC        |                     |                        | 10.00   | 14                | -1                 | 11       | 51        | 21       | 30                      | 29.72                 | 29.82                 |         |           |
| 10            | CLR       | NC                  |                        |                   | 10.00   | 24                 | 14       | 21        | 65       | 6                       | 24            | 30.63                 | 30.73   | 10         | CLR       | NC        |                     |                        | 6.00    | HZ                |                    |          |           |          |                         |                       |                       |         |           |
| 13            | SCT       | NC                  |                        |                   | 10.00   | 29                 | 12       | 24        | 49       | 8                       | 15            | 30.52                 | 30.63   | 13         | BKN       | 060       |                     |                        | 7.00    | -RA               |                    |          |           |          |                         |                       |                       |         |           |
| 16            | FEW       | NC                  |                        |                   | 10.00   | 30                 | 14       | 25        | 51       | 10                      | 14            | 30.49                 | 30.59   | 16         | OVC       | 055       |                     |                        | 10.00   | 19                | 2                  | 15       | 47        | 21       | 30                      | 29.79                 | 29.89                 |         |           |
| 19            | CLR       | NC                  |                        |                   | 10.00   | 28                 | 16       | 24        | 61       | 9                       | 13            | 30.46                 | 30.57   | 19         | SCT       | NC        |                     |                        | 10.00   | 16                | 3                  | 13       | 56        | 16       | 29                      | 29.87                 | 29.97                 |         |           |
| 22            | OVC       | 090                 |                        |                   | 10.00   | 30                 | 19       | 26        | 64       | 12                      | 17            | 30.41                 | 30.51   | 22         | CLR       | NC        |                     |                        | 10.00   | 12                | -1                 | 9        | 56        | 10       | 29                      | 29.92                 | 30.02                 |         |           |
| SUNRISE: 0721 |           |                     |                        |                   | JAN 16  | SUNSET: 1703       |          |           |          |                         | SUNRISE: 0718 |                       |         |            |           | JAN 22    | SUNSET: 1710        |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| 01            | OVC       | 090                 |                        |                   | 10.00   | 33                 | 23       | 30        | 67       | 15                      | 16            | 30.29                 | 30.40   | 01         | BKN       | 041       |                     |                        | 10.00   | 13                | 8                  | 12       | 81        | 8        | 23                      | 29.96                 | 30.06                 |         |           |
| 04            | OVC       | 085                 |                        |                   | 10.00   | 33                 | 22       | 29        | 64       | 14                      | 17            | 30.14                 | 30.24   | 04         | CLR       | NC        |                     |                        | 10.00   | 10                | -1                 | 8        | 61        | 8        | 25                      | 30.02                 | 30.12                 |         |           |
| 07            | OVC       | 070                 |                        |                   | 10.00   | 34                 | 23       | 30        | 64       | 8                       | 17            | 30.05                 | 30.15   | 07         | CLR       | NC        |                     |                        | 10.00   | 10                | -2                 | 8        | 58        | 9        | 24                      | 30.11                 | 30.22                 |         |           |
| 10            | BKN       | 070                 |                        |                   | 10.00   | 39                 | 23       | 33        | 53       | 12                      | 22            | 29.96                 | 30.06   | 10         | CLR       | NC        |                     |                        | 10.00   | 15                | 0                  | 12       | 51        | 10       | 26                      | 30.16                 | 30.27                 |         |           |
| 13            | CLR       | NC                  |                        |                   | 10.00   | 49                 | 23       | 39        | 36       | 10                      | 23            | 29.83                 | 29.93   | 13         | CLR       | NC        |                     |                        | 10.00   | 19                | 1                  | 15       | 45        | 20       | 29                      | 30.13                 | 30.23                 |         |           |
| 16            | CLR       | NC                  |                        |                   | 10.00   | 51                 | 26       | 41        | 38       | 18                      | 30            | 29.83                 | 29.92   | 16         | CLR       | NC        |                     |                        | 10.00   | 20                | 2                  | 16       | 45        | 9        | 26                      | 30.13                 | 30.23                 |         |           |
| 19            | CLR       | NC                  |                        |                   | 10.00   | 39                 | 19       | 32        | 45       | 26                      | 30            | 29.97                 | 30.07   | 19         | OVC       | 090       |                     |                        | 10.00   | 20                | 3                  | 16       | 48        | 5        | 27                      | 30.14                 | 30.24                 |         |           |
| 22            | CLR       | NC                  |                        |                   | 10.00   | 32                 | 10       | 25        | 40       | 24                      | 31            | 30.06                 | 30.16   | 22         | OVC       | 055       |                     |                        | 10.00   | 20                | 5                  | 16       | 52        | 0        | 00                      | 30.17                 | 30.27                 |         |           |
| SUNRISE: 0721 |           |                     |                        |                   | JAN 17  | SUNSET: 1704       |          |           |          |                         | SUNRISE: 0718 |                       |         |            |           | JAN 23    | SUNSET: 1711        |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| 01            | CLR       | NC                  |                        |                   | 10.00   | 24                 | 4        | 19        | 42       | 14                      | 32            | 30.17                 | 30.27   | 01         | OVC       | 080       |                     |                        | 10.00   | 22                | 8                  | 18       | 55        | 0        | 00                      | 30.16                 | 30.26                 |         |           |
| 04            | CLR       | NC                  |                        |                   | 10.00   | 18                 | -7       | 13        | 32       | 24                      | 32            | 30.23                 | 30.33   | 04         | OVC       | 060       |                     |                        | 10.00   | 21                | 10                 | 18       | 62        | 8        | 09                      | 30.14                 | 30.24                 |         |           |
| 07            | CLR       | NC                  |                        |                   | 10.00   | 13                 | -9       | 9         | 36       | 21                      | 32            | 30.30                 | 30.40   | 07         | OVC       | 040       |                     |                        | 10.00   | 20                | 14                 | 18       | 78        | 8        | 09                      | 30.13                 | 30.23                 |         |           |
| 10            | CLR       | NC                  |                        |                   | 10.00   | 15                 | -8       | 11        | 35       | 16                      | 32            | 30.37                 | 30.47   | 10         | OVC       | 026       |                     |                        | 8.00    | -SN               |                    |          |           |          |                         |                       |                       |         |           |
| 13            | CLR       | NC                  |                        |                   | 10.00   | 19                 | -11      | 14        | 25       | 29                      | 31            | 30.30                 | 30.40   | 13         | OVC       | 022       |                     |                        | 3.00    | -SN               | BR                 |          |           |          |                         |                       |                       |         |           |
| 16            | CLR       | NC                  |                        |                   | 10.00   | 20                 | -11      | 14        | 24       | 21                      | 31            | 30.28                 | 30.38   | 16         | OVC       | 021       |                     |                        | 7.00    | -SN               |                    |          |           |          |                         |                       |                       |         |           |
| 19            | CLR       | NC                  |                        |                   | 10.00   | 16                 | -10      | 11        | 30       | 20                      | 32            | 30.32                 | 30.42   | 19         | OVC       | 019       |                     |                        | 10.00   | 27                | 23                 | 26       | 85        | 7        | 01                      | 30.03                 | 30.13                 |         |           |
| 22            | CLR       | NC                  |                        |                   | 10.00   | 13                 | -12      | 9         | 31       | 12                      | 32            | 30.30                 | 30.40   | 22         | OVC       | 027       |                     |                        | 9.00    | 27                | 22                 | 25       | 81        | 7        | 35                      | 30.01                 | 30.11                 |         |           |
| SUNRISE: 0720 |           |                     |                        |                   | JAN 18  | SUNSET: 1705       |          |           |          |                         | SUNRISE: 0717 |                       |         |            |           | JAN 24    | SUNSET: 1712        |                        |         |                   |                    |          |           |          |                         |                       |                       |         |           |
| 01            | CLR       | NC                  |                        |                   | 10.00   | 10                 | -10      | 7         | 39       | 13                      | 32            | 30.24                 | 30.34   | 01         | OVC       | 017       |                     |                        | 10.00   | 28                | 23                 | 26       | 81        | 8        | 32                      | 29.99                 | 30.09                 |         |           |
| 04            | CLR       | NC                  |                        |                   | 10.00   | 8                  | -7       | 6         | 50       | 7                       | 32            | 30.19                 | 30.30   | 04         | OVC       | 015       |                     |                        | 10.00   | 27                | 22                 | 25       | 81        | 8        | 33                      | 29.99                 | 30.09                 |         |           |
| 07            | CLR       | NC                  |                        |                   | 10.00   | 8                  | -5       | 6         | 55       | 8                       | 33            | 30.16                 | 30.26   | 07         | OVC       | 031       |                     |                        | 10.00   | 28                | 23                 | 26       | 81        | 8        | 36                      | 29.98                 | 30.09                 |         |           |
| 10            | CLR       | NC                  |                        |                   | 10.00   | 13                 | -5       | 10        | 44       | 12                      | 32            | 30.11                 | 30.22   | 10         | CLR       | NC        |                     |                        | 10.00   | 31                | 24                 | 29       | 76        | 0        | 00                      | 30.04                 | 30.14                 |         |           |
| 13            | SCT       | NC                  |                        |                   | 10.00   | 19                 | -5       | 14        | 34       | 8                       | 28            | 29.98                 | 30.09   | 13         | OVC       | 033       |                     |                        | 7.00    |                   |                    |          |           |          |                         |                       |                       |         |           |
| 16            | OVC       | 050                 |                        |                   | 10.00   | 20                 | -2       | 15        | 38       | 8                       | 29            | 29.92                 | 30.02   | 16         | CLR       | NC        |                     |                        | 8.00    |                   |                    |          |           |          |                         |                       |                       |         |           |
| 19            | BKN       | 110                 |                        |                   | 10.00   | 19                 | -1       | 15        | 41       | 8                       | 30            | 29.91                 | 30.01   | 19         | CLR       | NC        |                     |                        | 9.00    |                   |                    |          |           |          |                         |                       |                       |         |           |
| 22            | BKN       | 055                 |                        |                   | 10.00   | 16                 | 6        | 14        | 65       | 3                       | 31            | 29.88                 | 29.98   | 22         | CLR       | NC        |                     |                        | 9.00    |                   |                    |          |           |          |                         |                       |                       |         |           |

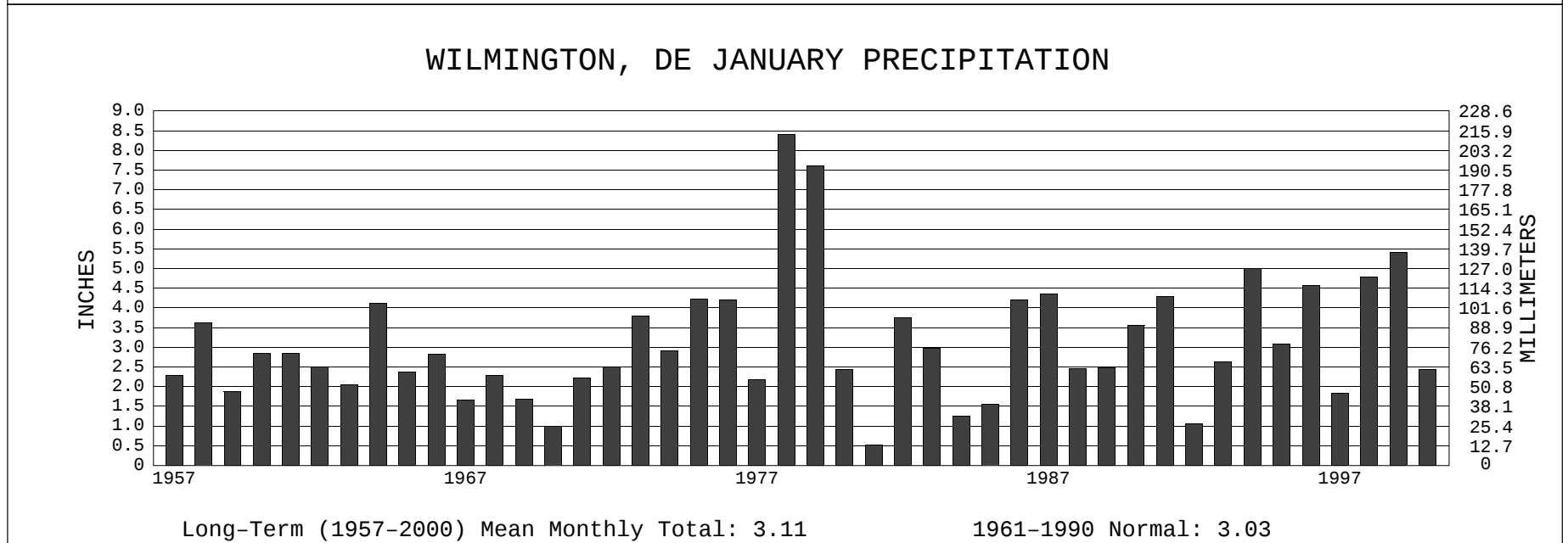
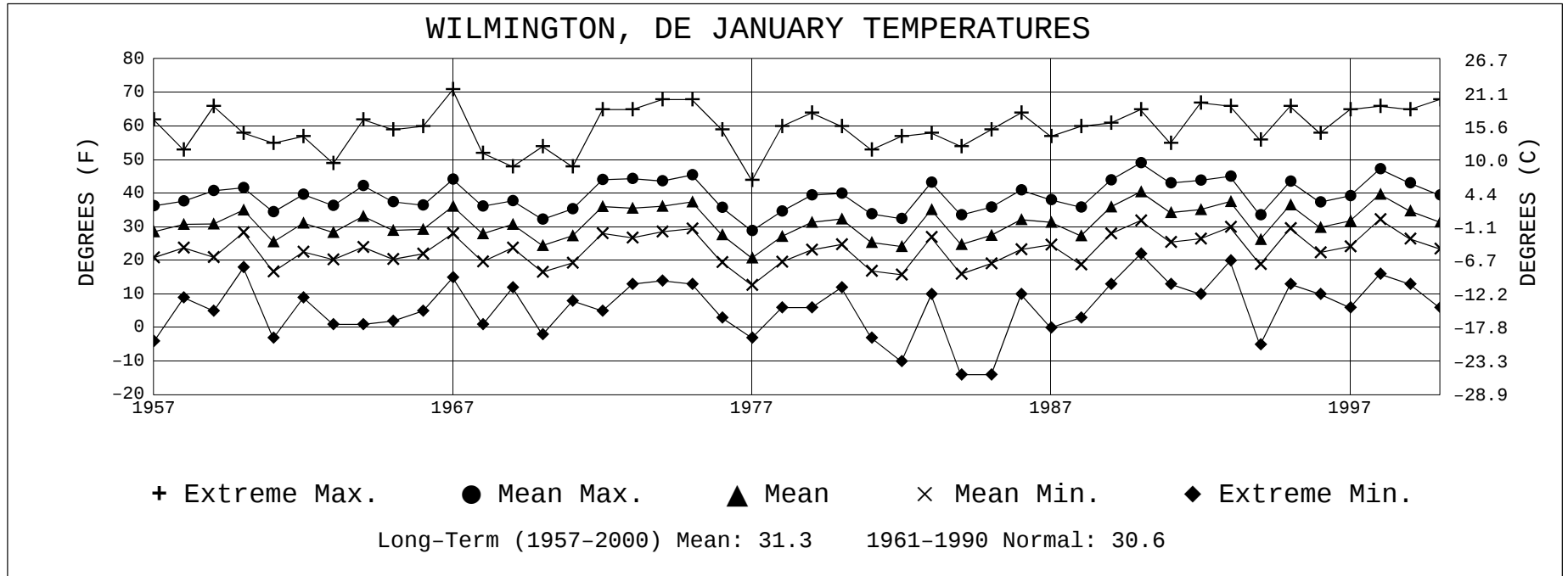
**WILMINGTON, DE**

# JANUARY 2000

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**JANUARY 2000  
WILMINGTON, DE**

## **LOCAL CLIMATOLOGICAL DATA**

NOAA, National Climatic Data Center

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DIRECTOR

### **NOTICE**

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

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