



OCTOBER 2001

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AP (ILG)
 Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 92 Feet
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

OCTOBER 2001
WILMINGTON, DE

| DATE | TEMPERATURE °F | | | | | | DEG DAYS BASE 65° | | WEATHER | SNOW/ICE ON GND (IN) | | PRECIPITATION (INCHES) | | PRESSURE (INCHES OF HG) | | WIND SPEED = MPH DIR = TENS OF DEGREES | | | | | | | | DATE | | | | | | | |
|------|----------------|---------|---------|-----------------|----------------|------------------|-------------------|---------|----------|------------------------------------|----------|------------------------|----------|-------------------------|-------------------|--|---------|---------------|---------|-------|-------|----|----|------|--|----|--|-----|--|---------------------|--|
| | MAXIMUM | MINIMUM | AVERAGE | DEP FROM NORMAL | AVERAGE DEW PT | AVERAGE WET BULB | HEATING | COOLING | | 0700 LST | 1300 LST | 2400 LST | 2400 LST | AVERAGE STATION | AVERAGE SEA LEVEL | RESULTANT SPEED | RES DIR | AVERAGE SPEED | MAXIMUM | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 5-SEC | | 2-MIN | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | |
| 01 | 60 | 48 | 54 | -8 | 49 | 51 | 11 | 0 | RA | | | 0.0 | 0.23 | 29.83 | 29.91 | 5.4 | 30 | 6.3 | 18 | 02 | 14 | 34 | 01 | | | | | | | | |
| 02 | 77 | 47 | 62 | 0 | 53 | 57 | 3 | 0 | | | | 0.0 | 0.00 | 29.88 | 29.97 | 5.5 | 28 | 6.2 | 20 | 30 | 16 | 29 | 02 | | | | | | | | |
| 03 | 81 | 54 | 68 | 7 | 57 | 62 | 0 | 3 | FG+ BR | | | 0.0 | 0.00 | 29.97 | 30.05 | 4.8 | 21 | 5.1 | 21 | 24 | 16 | 23 | 03 | | | | | | | | |
| 04 | 81 | 56 | 69 | 8 | 55 | 61 | 0 | 4 | BR | | | 0.0 | 0.00 | 29.94 | 30.03 | 4.7 | 24 | 5.2 | 18 | 22 | 16 | 22 | 04 | | | | | | | | |
| 05 | 80 | 53 | 67 | 7 | 55 | 60 | 0 | 2 | BR | | | 0.0 | 0.00 | 29.87 | 29.96 | 7.1 | 19 | 8.0 | 22 | 20 | 20 | 20 | 05 | | | | | | | | |
| 06 | 69 | 44 | 57 | -3 | 48 | 54 | 8 | 0 | RA BR | | | 0.0 | 0.19 | 29.77 | 29.85 | 8.7 | 26 | 13.4 | 38 | 31 | 28 | 30 | 06 | | | | | | | | |
| 07 | 57 | 38 | 48 | -11 | 29 | 40 | 17 | 0 | | | | 0.0 | 0.00 | 30.07 | 30.16 | 12.0 | 29 | 12.6 | 31 | 30 | 25 | 31 | 07 | | | | | | | | |
| 08 | 55 | 33 | 44 | -15 | 27 | 37 | 21 | 0 | | | | 0.0 | 0.00 | 30.41 | 30.49 | 8.0 | 31 | 8.5 | 24 | 31 | 20 | 31 | 08 | | | | | | | | |
| 09 | 61 | 31 | 46 | -13 | 32 | 41 | 19 | 0 | | | | 0.0 | 0.00 | 30.52 | 30.60 | 2.4 | 22 | 4.6 | 21 | 18 | 14 | 18 | 09 | | | | | | | | |
| 10 | 69 | 37 | 53 | -5 | 46 | 50 | 12 | 0 | | | | 0.0 | 0.00 | 30.35 | 30.44 | 4.8 | 22 | 5.6 | 18 | 23 | 16 | 22 | 10 | | | | | | | | |
| 11 | 76 | 49 | 63 | 5 | 54 | 58 | 2 | 0 | | | | 0.0 | 0.00 | 30.19 | 30.28 | 6.7 | 21 | 7.1 | 26 | 23 | 20 | 23 | 11 | | | | | | | | |
| 12 | 75 | 48 | 62 | 4 | 57 | 59 | 3 | 0 | RA BR | | | 0.0 | T | 30.06 | 30.14 | 4.1 | 16 | 4.9 | 16 | 16 | 14 | 16 | 12 | | | | | | | | |
| 13 | 77 | 58 | 68 | 11 | 58 | 61 | 0 | 3 | RA BR | | | 0.0 | 0.01 | 30.04 | 30.12 | 6.9 | 14 | 7.5 | 20 | 15 | 16 | 17 | 13 | | | | | | | | |
| 14 | 74 | 59 | 67 | 11 | 61 | 63 | 0 | 2 | RA FG BR | | | 0.0 | 0.25 | 29.88 | 29.97 | 10.3 | 14 | 12.2 | 25 | 14 | 22 | 15 | 14 | | | | | | | | |
| 15 | 69 | 46 | 58 | 2 | 46 | 52 | 7 | 0 | RA BR | | | 0.0 | 0.04 | 29.98 | 30.07 | 8.2 | 27 | 8.8 | 32 | 29 | 29 | 28 | 15 | | | | | | | | |
| 16 | 69 | 43 | 56 | 0 | 48 | 51 | 9 | 0 | RA | | | 0.0 | 0.02 | 29.92 | 30.00 | 3.6 | 17 | 9.5 | 35 | 30 | 29 | 30 | 16 | | | | | | | | |
| 17 | 59 | 42 | 51 | -5 | 32 | 43 | 14 | 0 | | | | 0.0 | 0.00 | 29.90 | 29.99 | 14.4 | 26 | 15.2 | 37 | 27 | 30 | 28 | 17 | | | | | | | | |
| 18 | 58 | 34 | 46 | -9 | 30 | 40 | 19 | 0 | | | | 0.0 | 0.00 | 30.19 | 30.27 | 6.2 | 27 | 6.9 | 23 | 28 | 20 | 28 | 18 | | | | | | | | |
| 19 | 64 | 34 | 49 | -6 | 40 | 45 | 16 | 0 | | | | 0.0 | 0.00 | 30.07 | 30.16 | 5.1 | 19 | 6.3 | 20 | 15 | 17 | 15 | 19 | | | | | | | | |
| 20 | 72 | 44 | 58 | 3 | 46 | 52 | 7 | 0 | BR | | | 0.0 | 0.00 | 30.01 | 30.09 | 3.3 | 25 | 3.9 | 20 | 27 | 16 | 27 | 20 | | | | | | | | |
| 21 | 78 | 45 | 62 | 8 | 52 | 56 | 3 | 0 | BR HZ | | | 0.0 | 0.00 | 30.08 | 30.17 | 5.0 | 18 | 5.9 | 22 | 16 | 17 | 16 | 21 | | | | | | | | |
| 22 | 77 | 51 | 64 | 10 | 56 | 59 | 1 | 0 | FG+ BR | | | 0.0 | 0.00 | 29.95 | 30.03 | 1.1 | 09 | 3.4 | 18 | 05 | 9 | 05 | 22 | | | | | | | | |
| 23 | 70 | 58 | 64 | 10 | 61 | 61 | 1 | 0 | BR | | | 0.0 | 0.00 | 29.82 | 29.90 | 7.3 | 13 | 9.2 | 22 | 15 | 16 | 15 | 23 | | | | | | | | |
| 24 | 82* | 56 | 69* | 16 | 39 | 54 | 0 | 4 | HZ | | | 0.0 | 0.00 | 29.66 | 29.74 | 4.7 | 17 | 6.1 | 16 | 24 | 13 | 24 | 24 | | | | | | | | |
| 25 | 79 | 56 | 68 | 15 | 31 | 51 | 0 | 3 | HZ | | | 0.0 | 0.00 | 29.61 | | 12.2 | 25 | 14.1 | 45* | 27 | 32* | 27 | 25 | | | | | | | | |
| 26 | 59 | 42 | 51 | -2 | 24 | 40 | 14 | 0 | | | | 0.0 | 0.00 | 29.77 | 29.86 | 14.2 | 26 | 14.7 | 36 | 28 | 30 | 28 | 26 | | | | | | | | |
| 27 | 55 | 41 | 48 | -4 | 28 | 39 | 17 | 0 | | | | 0.0 | 0.00 | 29.96 | 30.04 | 11.9 | 29 | 13.1 | 32 | 29 | 26 | 29 | 27 | | | | | | | | |
| 28 | 53 | 32 | 43* | -9 | 26 | 37 | 22 | 0 | | | | 0.0 | 0.00 | 30.35 | 30.44 | 8.3 | 32 | 8.9 | 26 | 36 | 23 | 36 | 28 | | | | | | | | |
| 29 | 59 | 31* | 45 | -7 | 30 | 39 | 20 | 0 | | | | 0.0 | 0.00 | 30.40 | 30.49 | 4.1 | 27 | 5.5 | 15 | 26 | 13 | 26 | 29 | | | | | | | | |
| 30 | 64 | 43 | 54 | 3 | 34 | 44 | 11 | 0 | | | | 0.0 | 0.00 | 30.36 | 30.45 | 5.9 | 33 | 7.9 | 24 | 36 | 22 | 36 | 30 | | | | | | | | |
| 31 | 63 | 39 | 51 | 0 | 38 | 46 | 14 | 0 | | | | 0.0 | 0.00 | 30.38 | 30.47 | 4.6 | 12 | 8.4 | 20 | 15 | 16 | 16 | 31 | | | | | | | | |
| | | | | | | | | | | < MONTHLY AVERAGES | | | | TOTALS-> | | 0.0 | | 0.74 | | 30.04 | | | | 3.9 | | 25 | | 8.2 | | <- MONTHLY AVERAGES | |
| | | | | | | | | | | 1.9 | | | | -.8 | | 0.5 | | | | | | | | | | | | | | | |
| | | | | | | | | | | ->-----DEPARTURE FROM NORMAL-----< | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | GREATEST 24-HR PRECIPITATION: 0.29 | | | | DATE: 14-15 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | GREATEST 24-HR SNOWFALL: 0.0 | | | | DATE: | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | GREATEST SNOW DEPTH: | | | | DATE: | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | NUMBER OF DAYS WITH | | | | MAXIMUM TEMP ≥ 90: 0 | | MINIMUM TEMP ≤ 32: 3 | | | | | | | | | | | | | | | |
| | | | | | | | | | | HEATING: 271 | | | | -17 | | 345 | | 22 | | | | | | | | | | | | | |
| | | | | | | | | | | COOLING: 21 | | | | 6 | | 1075 | | 29 | | | | | | | | | | | | | |
| | | | | | | | | | | MAXIMUM TEMP ≤ 32: 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | THUNDERSTORMS: 0 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PRECIPITATION ≥ 0.01 INCH: 6 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PRECIPITATION ≥ 0.10 INCH: 3 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | SNOWFALL ≥ 1.0 INCH: 0 | | | | | | | | | | | | | | | | | | | | | |

DEGREE DAYS

| | |
|-------------------------|--------------------------------|
| MONTHLY TOTAL DEPARTURE | SEASON TO DATE TOTAL DEPARTURE |
| HEATING: 271 | 345 |
| COOLING: 21 | 1075 |

| | | |
|--------------------|---------|---------|
| SEA LEVEL PRESSURE | DATE | TIME |
| MAXIMUM | : 30.68 | 09 0851 |
| MINIMUM | : 29.59 | 25 0551 |

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

OCTOBER 2001 ILG WBAN # 13781

| DATE | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | DATE | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | DATE | Sum if Different (See Note) | 2400 LST | |
|------|--------------------------|------|---|------|------|------|------|------|------|------|------|----|------|--------------------------|----|----|----|----|----|----|----|----|------|------|------|------|-----------------------------|----------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | Water | Equiv. |
| 01 | T | 0.01 | T | 0.04 | 0.05 | 0.10 | 0.01 | | T | T | 0.01 | T | 01 | 0.01 | T | | | | | | | | | | 01 | | 0.23 | | |
| 02 | | | | | | | | | | | | | 02 | | | | | | | | | | | | 02 | | 0.00 | | |
| 03 | | | | | | | | | | | | | 03 | | | | | | | | | | | | 03 | | 0.00 | | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | | | 04 | | 0.00 | | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | 0.00 | | |
| 06 | | | | | | | | 0.01 | 0.03 | 0.09 | 0.06 | T | T | 06 | | | | | | | | | | 06 | | 0.19 | | | |
| 07 | | | | | | | | | | | | | 07 | | | | | | | | | | | 07 | | 0.00 | | | |
| 08 | | | | | | | | | | | | | 08 | | | | | | | | | | | 08 | | 0.00 | | | |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | 09 | | 0.00 | | | |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | 10 | | 0.00 | | | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | 11 | | 0.00 | | | |
| 12 | | | | | | | | | | | | | 12 | | | | | | | | | | | 12 | T | T | | | |
| 13 | T | | | 0.01 | | | | | | | | | 13 | | | | | | | | | | | 13 | | 0.01 | | | |
| 14 | | | | | | | | | | | | | 14 | | | | | | | | T | T | 0.01 | 0.15 | 0.09 | 14 | 0.25 | | |
| 15 | 0.03 | T | | | | | | | | 0.01 | | | 15 | | | | | | | | | | | | 15 | | 0.04 | | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | T | T | 0.02 | | 16 | | 0.02 | | |
| 17 | | | | | | | | | | | | | 17 | | | | | | | | | | | | 17 | | 0.00 | | |
| 18 | | | | | | | | | | | | | 18 | | | | | | | | | | | | 18 | | 0.00 | | |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | | | | | 19 | | 0.00 | | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | | 0.00 | | |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | | 0.00 | | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | | | 22 | | 0.00 | | |
| 23 | | | | | | | | | | | | | 23 | | | | | | | | | | | | 23 | | 0.00 | | |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | 24 | | 0.00 | | |
| 25 | | | | | | | | | | | | | 25 | | | | | | | | | | | | 25 | | 0.00 | | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | | 0.00 | | |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | | 0.00 | | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | | 0.00 | | |
| 29 | | | | | | | | | | | | | 29 | | | | | | | | | | | | 29 | | 0.00 | | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | | 30 | | 0.00 | | |
| 31 | | | | | | | | | | | | | 31 | | | | | | | | | | | | 31 | | 0.00 | | |

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.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less

BLANK entries denote missing or unreported data

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

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

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

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

NORMALS ARE FOR THE YEARS 1961–1990

WEATHER NOTATIONS

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

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

WILMINGTON, DE OCTOBER 2001

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

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

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

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

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

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

ADDITIONAL NOTES:

| DATE | SUNSHINE | | CLOUDINESS (OKTAS) | | | | VISIBILITY (MILES) | | RESERVED |
|--|---------------|------------------|--------------------|-----------|------------|-----------|--------------------|---------|----------|
| | TOTAL MINUTES | PERCENT POSSIBLE | SR–SS | | MN–MN | | MINIMUM | MAXIMUM | |
| | | | CEILOMETER | SATELLITE | CEILOMETER | SATELLITE | | | |
| 01 | | | | | | | 9.00 | 10.00 | |
| 02 | | | | | | | 7.00 | 10.00 | |
| 03 | | | | | | | .25 | 10.00 | |
| 04 | | | | | | | 1.50 | 10.00 | |
| 05 | | | | | | | 4.00 | 10.00 | |
| 06 | | | | | | | 2.00 | 10.00 | |
| 07 | | | | | | | 10.00 | 10.00 | |
| 08 | | | | | | | 10.00 | 10.00 | |
| 09 | | | | | | | 10.00 | 10.00 | |
| 10 | | | | | | | 10.00 | 10.00 | |
| 11 | | | | | | | 9.00 | 10.00 | |
| 12 | | | | | | | 2.00 | 10.00 | |
| 13 | | | | | | | 10.00 | 10.00 | |
| 14 | | | | | | | .50 | 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 | | | | | | | .13 | 10.00 | |
| 21 | | | | | | | 4.00 | 10.00 | |
| 22 | | | | | | | .25 | 10.00 | |
| 23 | | | | | | | 1.75 | 10.00 | |
| 24 | | | | | | | .25 | 10.00 | |
| 25 | | | | | | | 1.75 | 10.00 | |
| 26 | | | | | | | 10.00 | 10.00 | |
| 27 | | | | | | | 10.00 | 10.00 | |
| 28 | | | | | | | 10.00 | 10.00 | |
| 29 | | | | | | | 10.00 | 10.00 | |
| 30 | | | | | | | 10.00 | 10.00 | |
| 31 | | | | | | | 10.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 6.75 | 10.00 | |
| SUNSHINE (MINUTES) | | | | | | | | | |
| Total: Possible: Percent Possible: | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | |
| SKY CONDITION | | | | | | | | | |
| CLR PTLY CLDY CLOUDY MISSING | | | | | | | | | |
| 31 | | | | | | | | | |
| MINIMUM VISIBILITY (MILES) | | | | | | | | | |
| <=0.25 <=3.0 >=7.0 | | | | | | | | | |
| 2 8 19 | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

OCTOBER 2001

ILG

WBAN # 13781

| HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | | |
|---------------|-----------|------------------------|------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|--------------|----------|----------------------------|-------------|--------------------------|--------------------------|--------------|------------|---------------|------------------------|------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|-----------|--------------|----------------------------|-------------|--------------------------|--------------------------|--------------|--|--|
| | SKY COVER | CEILING 100'S OF FT | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | SKY COVER | CEILING 100'S OF FT | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | |
| SUNRISE: 0559 | | | | | | | | OCT 01 | SUNSET: 1745 | | | | | | | | SUNRISE: 0605 | | | | | | | | OCT 07 | SUNSET: 1735 | | | | | | | |
| 01 | OVC | 070 | | | 10.00 | -RA | 50 | 48 | 49 | 93 | 5 | 33 | 29.89 | 29.98 | 01 | CLR | NC | | | 10.00 | | | 45 | 36 | 41 | 71 | 9 | 30 | 29.93 | 30.02 | | | |
| 04 | OVC | 070 | | | 10.00 | -RA | 50 | 46 | 48 | 86 | 8 | 31 | 29.85 | 29.93 | 04 | CLR | NC | | | 10.00 | | | 44 | 31 | 39 | 60 | 8 | 24 | 29.96 | 30.05 | | | |
| 07 | OVC | 050 | | | 10.00 | | 49 | 46 | 47 | 90 | 8 | 32 | 29.85 | 29.93 | 07 | CLR | NC | | | 10.00 | | | 44 | 29 | 38 | 55 | 9 | 27 | 30.03 | 30.12 | | | |
| 10 | FEW | NC | | | 10.00 | | 53 | 48 | 50 | 83 | 8 | 31 | 29.85 | 29.94 | 10 | CLR | NC | | | 10.00 | | | 53 | 32 | 44 | 45 | 20 | 31 | 30.06 | 30.15 | | | |
| 13 | OVC | 060 | | | 10.00 | -RA | 56 | 50 | 53 | 81 | 9 | 29 | 29.82 | 29.91 | 13 | SCT | NC | | | 10.00 | | | 56 | 30 | 45 | 37 | 21 | 30 | 30.05 | 30.14 | | | |
| 16 | CLR | NC | | | 10.00 | | 60 | 49 | 54 | 67 | 3 | 30 | 29.78 | 29.87 | 16 | FEW | NC | | | 10.00 | | | 55 | 25 | 43 | 31 | 17 | 31 | 30.07 | 30.16 | | | |
| 19 | CLR | NC | | | 10.00 | | 57 | 51 | 54 | 81 | 6 | 22 | 29.77 | 29.86 | 19 | CLR | NC | | | 10.00 | | | 46 | 27 | 38 | 47 | 10 | 31 | 30.15 | 30.24 | | | |
| 22 | CLR | NC | | | 10.00 | | 51 | 50 | 51 | 96 | 3 | 29 | 29.81 | 29.89 | 22 | FEW | NC | | | 10.00 | | | 41 | 30 | 37 | 65 | 8 | 31 | 30.21 | 30.30 | | | |
| SUNRISE: 0560 | | | | | | | | OCT 02 | SUNSET: 1743 | | | | | | | | SUNRISE: 0606 | | | | | | | | OCT 08 | SUNSET: 1734 | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 47 | 46 | 46 | 97 | 5 | 26 | 29.81 | 29.90 | 01 | CLR | NC | | | 10.00 | | | 40 | 27 | 35 | 60 | 3 | 32 | 30.24 | 30.33 | | | |
| 04 | CLR | NC | | | 10.00 | | 50 | 47 | 48 | 89 | 6 | 30 | 29.81 | 29.90 | 04 | CLR | NC | | | 10.00 | | | 37 | 28 | 34 | 70 | 8 | 30 | 30.28 | 30.37 | | | |
| 07 | BKN | 090 | | | 9.00 | | 54 | 51 | 52 | 90 | 6 | 28 | 29.86 | 29.95 | 07 | CLR | NC | | | 10.00 | | | 36 | 30 | 34 | 79 | 6 | 30 | 30.38 | 30.46 | | | |
| 10 | CLR | NC | | | 10.00 | | 68 | 54 | 60 | 61 | 10 | 30 | 29.91 | 30.00 | 10 | CLR | NC | | | 10.00 | | | 48 | 25 | 39 | 41 | 15 | 32 | 30.43 | 30.51 | | | |
| 13 | FEW | NC | | | 10.00 | | 75 | 52 | 62 | 45 | 12 | 29 | 29.88 | 29.97 | 13 | CLR | NC | | | 10.00 | | | 53 | 24 | 41 | 32 | 15 | 33 | 30.42 | 30.50 | | | |
| 16 | CLR | NC | | | 10.00 | | 75 | 54 | 63 | 48 | 9 | 30 | 29.86 | 29.95 | 16 | CLR | NC | | | 10.00 | | | 54 | 23 | 41 | 30 | 10 | 30 | 30.41 | 30.50 | | | |
| 19 | CLR | NC | | | 10.00 | | 67 | 57 | 61 | 71 | 6 | 23 | 29.90 | 29.99 | 19 | CLR | NC | | | 10.00 | | | 47 | 28 | 39 | 48 | 5 | 27 | 30.47 | 30.55 | | | |
| 22 | CLR | NC | | | 8.00 | | 61 | 57 | 59 | 87 | 3 | 25 | 29.95 | 30.04 | 22 | CLR | NC | | | 10.00 | | | 37 | 32 | 35 | 82 | 5 | 30 | 30.50 | 30.59 | | | |
| SUNRISE: 0601 | | | | | | | | OCT 03 | SUNSET: 1741 | | | | | | | | SUNRISE: 0607 | | | | | | | | OCT 09 | SUNSET: 1732 | | | | | | | |
| 01 | CLR | NC | | | 6.00 | BR | 60 | 58 | 59 | 93 | 0 | 00 | 29.96 | 30.05 | 01 | CLR | NC | | | 10.00 | | | 36 | 31 | 34 | 82 | 5 | 32 | 30.52 | 30.60 | | | |
| 04 | CLR | NC | | | 2.50 | BR | 57 | 57 | 57 | 100 | 0 | 00 | 29.97 | 30.06 | 04 | CLR | NC | | | 10.00 | | | 34 | 32 | 33 | 92 | 3 | 31 | 30.53 | 30.62 | | | |
| 07 | CLR | NC | | | 1.75 | BR | 57 | 57 | 57 | 100 | 0 | 00 | 29.99 | 30.08 | 07 | CLR | NC | | | 10.00 | | | 33 | 32 | 33 | 96 | 3 | 31 | 30.59 | 30.68 | | | |
| 10 | CLR | NC | | | 10.00 | | 71 | 58 | 63 | 63 | 5 | 23 | 30.01 | 30.10 | 10 | CLR | NC | | | 10.00 | | | 53 | 34 | 45 | 49 | 8 | 17 | 30.59 | 30.68 | | | |
| 13 | CLR | NC | | | 10.00 | | 81 | 56 | 66 | 42 | 12 | 22 | 29.96 | 30.04 | 13 | CLR | NC | | | 10.00 | | | 58 | 33 | 47 | 39 | 12 | 17 | 30.51 | 30.60 | | | |
| 16 | CLR | NC | | | 10.00 | | 79 | 55 | 65 | 44 | 10 | 22 | 29.92 | 30.01 | 16 | CLR | NC | | | 10.00 | | | 59 | 35 | 48 | 41 | 7 | VR | 30.45 | 30.54 | | | |
| 19 | CLR | NC | | | 10.00 | | 70 | 57 | 62 | 64 | 7 | 20 | 29.94 | 30.02 | 19 | CLR | NC | | | 10.00 | | | 53 | 25 | 42 | 34 | 6 | 17 | 30.46 | 30.55 | | | |
| 22 | CLR | NC | | | 10.00 | | 66 | 57 | 61 | 73 | 5 | 21 | 29.95 | 30.04 | 22 | CLR | NC | | | 10.00 | | | 45 | 36 | 41 | 71 | 3 | 32 | 30.46 | 30.55 | | | |
| SUNRISE: 0602 | | | | | | | | OCT 04 | SUNSET: 1740 | | | | | | | | SUNRISE: 0608 | | | | | | | | OCT 10 | SUNSET: 1731 | | | | | | | |
| 01 | CLR | NC | | | 7.00 | | 63 | 58 | 60 | 84 | 3 | 21 | 29.94 | 30.03 | 01 | CLR | NC | | | 10.00 | | | 40 | 37 | 39 | 89 | 0 | 00 | 30.43 | 30.52 | | | |
| 04 | CLR | NC | | | 3.00 | BR | 58 | 57 | 57 | 97 | 3 | 27 | 29.93 | 30.02 | 04 | CLR | NC | | | 10.00 | | | 42 | 37 | 40 | 82 | 3 | 21 | 30.41 | 30.50 | | | |
| 07 | CLR | NC | | | 1.75 | BR | 58 | 58 | 58 | 100 | 0 | 00 | | | 07 | CLR | NC | | | 10.00 | | | 40 | 38 | 39 | 93 | 0 | 00 | 30.42 | 30.51 | | | |
| 10 | CLR | NC | | | 10.00 | | 74 | 59 | 65 | 60 | 9 | 24 | 29.98 | 30.07 | 10 | CLR | NC | | | 10.00 | | | 60 | 49 | 54 | 67 | 10 | 25 | 30.40 | 30.49 | | | |
| 13 | CLR | NC | | | 10.00 | | 80 | 53 | 64 | 39 | 14 | 27 | 29.94 | 30.02 | 13 | CLR | NC | | | 10.00 | | | 69 | 48 | 58 | 47 | 13 | 23 | 30.34 | 30.42 | | | |
| 16 | CLR | NC | | | 10.00 | | 79 | 52 | 63 | 39 | 9 | 23 | 29.91 | 29.99 | 16 | CLR | NC | | | 10.00 | | | 67 | 49 | 57 | 53 | 10 | 18 | 30.29 | 30.38 | | | |
| 19 | CLR | NC | | | 10.00 | | 70 | 53 | 60 | 55 | 5 | 22 | 29.93 | 30.01 | 19 | CLR | NC | | | 10.00 | | | 62 | 51 | 56 | 67 | 6 | 17 | 30.28 | 30.37 | | | |
| 22 | CLR | NC | | | 10.00 | | 65 | 55 | 59 | 70 | 0 | 00 | 29.95 | 30.04 | 22 | CLR | NC | | | 10.00 | | | 58 | 53 | 55 | 84 | 6 | 19 | 30.28 | 30.37 | | | |
| SUNRISE: 0603 | | | | | | | | OCT 05 | SUNSET: 1738 | | | | | | | | SUNRISE: 0609 | | | | | | | | OCT 11 | SUNSET: 1729 | | | | | | | |
| 01 | CLR | NC | | | 9.00 | | 62 | 55 | 58 | 78 | 3 | 18 | 29.94 | 30.02 | 01 | CLR | NC | | | 10.00 | | | 53 | 52 | 52 | 96 | 0 | 00 | 30.25 | 30.34 | | | |
| 04 | CLR | NC | | | 5.00 | BR | 55 | 54 | 54 | 96 | 0 | 00 | 29.93 | 30.02 | 04 | CLR | NC | | | 10.00 | | | 54 | 53 | 53 | 97 | 5 | 18 | 30.23 | 30.32 | | | |
| 07 | CLR | NC | | | 4.00 | BR | 56 | 54 | 55 | 93 | 0 | 00 | 29.96 | 30.05 | 07 | CLR | NC | | | 9.00 | | | 53 | 53 | 53 | 100 | 3 | 20 | 30.26 | 30.35 | | | |
| 10 | CLR | NC | | | 10.00 | | 70 | 58 | 63 | 66 | 7 | 22 | 29.96 | 30.04 | 10 | CLR | NC | | | 10.00 | | | 67 | 56 | 61 | 68 | 13 | 23 | 30.25 | 30.34 | | | |
| 13 | CLR | NC | | | 10.00 | | 79 | 54 | 64 | 42 | 15 | 18 | 29.88 | 29.96 | 13 | CLR | NC | | | 10.00 | | | 74 | 57 | 64 | 56 | 15 | 23 | 30.16 | 30.25 | | | |
| 16 | CLR | NC | | | 10.00 | | 78 | 50 | 62 | 37 | 13 | 22 | 29.82 | 29.91 | 16 | CLR | NC | | | 10.00 | | | 74 | 56 | 63 | 54 | 12 | 21 | 30.13 | 30.22 | | | |
| 19 | CLR | NC | | | 10.00 | | 70 | 56 | 62 | 61 | 9 | 17 | 29.79 | 29.88 | 19 | CLR | NC | | | 10.00 | | | 67 | 55 | 60 | 66 | 7 | 18 | 30.14 | 30.23 | | | |
| 22 | CLR | NC | | | 10.00 | | 67 | 59 | 62 | 76 | 14 | 16 | 29.76 | 29.85 | 22 | CLR | NC | | | 10.00 | | | 61 | 53 | 57 | 75 | 3 | 27 | 30.13 | 30.22 | | | |
| SUNRISE: 0604 | | | | | | | | OCT 06 | SUNSET: 1737 | | | | | | | | SUNRISE: 0610 | | | | | | | | OCT 12 | SUNSET: 1728 | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 67 | 61 | 63 | 81 | 15 | 17 | 29.69 | 29.77 | 01 | CLR | NC | | | 10.00 | | | 58 | 52 | 55 | 81 | 0 | 00 | 30.11 | 30.19 | | | |
| 04 | CLR | NC | | | 10.00 | | 68 | 60 | 63 | 76 | 17 | 20 | 29.61 | 29.70 | 04 | CLR | NC | | | 10.00 | | | 55 | 53 | 54 | 93 | 3 | 16 | 30.08 | 30.16 | | | |
| 07 | OVC | 090 | | | 10.00 | -RA | 68 | 62 | 64 | 81 | 18 | 20 | 29.62 | 29.70 | 07 | CLR | NC | | | 10.00 | | | 52 | 51 | 52 | 97 | 0 | 00 | 30.10 | 30.19 | | | |
| 10 | OVC | 038 | | | 10.00 | -RA | 55 | 51 | 53 | 87 | 17 | 29 | 29.77 | 29.86 | 10 | CLR | NC | | | 10.00 | | | 66 | 58 | 61 | 75 | 7 | 24 | 30.09 | 30.18 | | | |
| 13 | CLR | NC | | | 10.00 | | 62 | 42 | 52 | 48 | 20 | 31 | 29.78 | 29.87 | 13 | FEW | NC | | | 10.00 | | | 73 | 58 | 64 | 59 | 6 | VR | 30.04 | 30.13 | | | |
| 16 | FEW | NC | | | 10.00 | | 59 | 37 | 48 | 44 | 16 | 30 | 29.82 | 29.91 | 16 | CLR | NC | | | 10.00 | | | 73 | 58 | 64 | 59 | 7 | 15 | 29.99 | 30.08 | | | |
| 19 | CLR | NC | | | 10.00 | | 55 | 41 | 48 | 59 | 5 | 23 | 29.86 | 29.95 | 19 | CLR | NC | | | 10.00 | | | 63 | 60 | 61 | 90 | 8 | 16 | 30.01 | 30.10 | | | |
| 22 | CLR | NC | | | 10.00 | | 49 | 40 | 45 | 71 | 7 | 27 | 29.92 | 30.00 | 22 | SCT | NC | | | 10.00 | | | 63 | 59 | 61 | 87 | 6 | 17 | 30.04 | 30.12 | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

OCTOBER 2001

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: 0611 | | | | OCT 13 | | | | SUNSET: 1726 | | | | SUNRISE: 0617 | | | | OCT 19 | | | | SUNSET: 1717 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | 61 | 59 | 60 | 93 | 5 | 14 | 30.01 | 30.10 | 01 | CLR | NC | | | 10.00 | 39 | 36 | 38 | 89 | 0 | 00 | 30.16 | 30.24 | | |
| 04 | BKN | 050 | | | 10.00 | 59 | 58 | 58 | 96 | 3 | 12 | 30.01 | 30.10 | 04 | CLR | NC | | | 10.00 | 39 | 35 | 37 | 86 | 0 | 00 | 30.14 | 30.23 | | |
| 07 | CLR | NC | | | 10.00 | 59 | 58 | 58 | 96 | 6 | 15 | 30.06 | 30.14 | 07 | CLR | NC | | | 10.00 | 39 | 35 | 37 | 86 | 0 | 00 | 30.14 | 30.23 | | |
| 10 | CLR | NC | | | 10.00 | 68 | 61 | 64 | 78 | 3 | VR | 30.06 | 30.15 | 10 | CLR | NC | | | 10.00 | 56 | 40 | 48 | 55 | 10 | 20 | 30.13 | 30.22 | | |
| 13 | CLR | NC | | | 10.00 | 75 | 59 | 65 | 58 | 10 | 15 | 30.02 | 30.11 | 13 | CLR | NC | | | 10.00 | 63 | 39 | 51 | 41 | 14 | 21 | 30.05 | 30.14 | | |
| 16 | CLR | NC | | | 10.00 | 72 | 56 | 63 | 57 | 14 | 16 | 30.00 | 30.09 | 16 | CLR | NC | | | 10.00 | 61 | 44 | 52 | 54 | 15 | 15 | 29.99 | 30.08 | | |
| 19 | BKN | 050 | | | 10.00 | 65 | 57 | 60 | 76 | 12 | 14 | 30.05 | 30.13 | 19 | CLR | NC | | | 10.00 | 54 | 50 | 52 | 87 | 8 | 16 | 30.00 | 30.09 | | |
| 22 | CLR | NC | | | 10.00 | 62 | 57 | 59 | 84 | 8 | 12 | 30.06 | 30.15 | 22 | CLR | NC | | | 10.00 | 52 | 41 | 47 | 66 | 6 | 18 | 30.00 | 30.09 | | |
| SUNRISE: 0612 | | | | OCT 14 | | | | SUNSET: 1725 | | | | SUNRISE: 0618 | | | | OCT 20 | | | | SUNSET: 1716 | | | | | | | | | |
| 01 | OVC | 050 | | | 10.00 | 61 | 58 | 59 | 90 | 7 | 09 | 30.04 | 30.12 | 01 | CLR | NC | | | 10.00 | 49 | 44 | 47 | 83 | 0 | 00 | 29.97 | 30.06 | | |
| 04 | VV | 001 | | | 4.50 FG | 59 | 59 | 59 | 100 | 6 | 09 | 30.01 | 30.10 | 04 | CLR | NC | | | 8.00 | 45 | 44 | 45 | 97 | 0 | 00 | 29.95 | 30.04 | | |
| 07 | OVC | 016 | | | 4.00 BR | 60 | 59 | 59 | 96 | 9 | 09 | 29.99 | 30.08 | 07 | VV | 001 | | | 0.13 BR | 48 | 48 | 48 | 100 | 3 | 31 | 29.98 | 30.07 | | |
| 10 | OVC | 014 | | | 10.00 | 65 | 60 | 62 | 84 | 13 | 15 | 29.95 | 30.04 | 10 | CLR | NC | | | 10.00 | 60 | 48 | 54 | 65 | 5 | 21 | 30.02 | 30.10 | | |
| 13 | BKN | 055 | | | 10.00 | 72 | 59 | 64 | 64 | 17 | 16 | 29.88 | 29.97 | 13 | CLR | NC | | | 10.00 | 71 | 44 | 57 | 38 | 16 | 27 | 29.98 | 30.06 | | |
| 16 | OVC | 040 | | | 10.00 | 70 | 62 | 65 | 76 | 15 | 14 | 29.79 | 29.88 | 16 | CLR | NC | | | 10.00 | 70 | 45 | 57 | 41 | 8 | 23 | 29.98 | 30.06 | | |
| 19 | OVC | 014 | | | 10.00 | 67 | 63 | 64 | 87 | 15 | 12 | 29.76 | 29.85 | 19 | CLR | NC | | | 10.00 | 62 | 46 | 54 | 56 | 6 | 22 | 30.03 | 30.12 | | |
| 22 | OVC | 036 | | | 10.00 | 66 | 64 | 65 | 93 | 18 | 15 | 29.72 | 29.81 | 22 | CLR | NC | | | 10.00 | 55 | 46 | 50 | 72 | 0 | 00 | 30.09 | 30.17 | | |
| SUNRISE: 0613 | | | | OCT 15 | | | | SUNSET: 1723 | | | | SUNRISE: 0619 | | | | OCT 21 | | | | SUNSET: 1715 | | | | | | | | | |
| 01 | OVC | 038 | | | 10.00 | 59 | 57 | 58 | 93 | 13 | 27 | 29.77 | 29.86 | 01 | CLR | NC | | | 8.00 | 49 | 47 | 48 | 93 | 0 | 00 | 30.10 | 30.19 | | |
| 04 | CLR | NC | | | 10.00 | 55 | 49 | 52 | 80 | 12 | 28 | 29.83 | 29.91 | 04 | CLR | NC | | | 7.00 | 47 | 47 | 47 | 100 | 0 | 00 | 30.12 | 30.21 | | |
| 07 | CLR | NC | | | 10.00 | 52 | 50 | 51 | 93 | 7 | 25 | 29.92 | 30.01 | 07 | CLR | NC | | | 4.00 BR | 46 | 45 | 46 | 96 | 3 | 33 | 30.14 | 30.23 | | |
| 10 | CLR | NC | | | 10.00 | 63 | 48 | 55 | 58 | 17 | 28 | 29.99 | 30.08 | 10 | CLR | NC | | | 10.00 | 64 | 55 | 59 | 73 | 8 | 21 | 30.15 | 30.24 | | |
| 13 | CLR | NC | | | 10.00 | 68 | 44 | 55 | 42 | 12 | 28 | 30.00 | 30.09 | 13 | CLR | NC | | | 10.00 | 76 | 50 | 61 | 40 | 15 | 19 | 30.08 | 30.17 | | |
| 16 | CLR | NC | | | 10.00 | 67 | 38 | 52 | 35 | 10 | 29 | 30.03 | 30.11 | 16 | CLR | NC | | | 10.00 | 71 | 57 | 63 | 61 | 13 | 15 | 30.03 | 30.12 | | |
| 19 | CLR | NC | | | 10.00 | 59 | 42 | 51 | 54 | 5 | 22 | 30.09 | 30.17 | 19 | CLR | NC | | | 10.00 | 64 | 58 | 60 | 81 | 7 | 14 | 30.03 | 30.12 | | |
| 22 | CLR | NC | | | 10.00 | 51 | 47 | 49 | 86 | 0 | 00 | 30.11 | 30.20 | 22 | CLR | NC | | | 9.00 | 59 | 57 | 58 | 93 | 0 | 00 | 30.03 | 30.11 | | |
| SUNRISE: 0614 | | | | OCT 16 | | | | SUNSET: 1722 | | | | SUNRISE: 0620 | | | | OCT 22 | | | | SUNSET: 1713 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | 46 | 45 | 46 | 96 | 3 | 36 | 30.11 | 30.20 | 01 | CLR | NC | | | 9.00 | 58 | 56 | 57 | 93 | 6 | 17 | 29.98 | 30.07 | | |
| 04 | CLR | NC | | | 10.00 | 45 | 44 | 45 | 97 | 0 | 00 | 30.09 | 30.17 | 04 | VV | 001 | | | 0.75 BR | 51 | 51 | 51 | 100 | 0 | 00 | 29.95 | 30.04 | | |
| 07 | CLR | NC | | | 10.00 | 45 | 44 | 45 | 97 | 0 | 00 | 30.05 | 30.14 | 07 | OVC | 001 | | | 1.25 BR | 57 | 57 | 57 | 100 | 9 | 27 | 29.98 | 30.06 | | |
| 10 | CLR | NC | | | 10.00 | 63 | 52 | 57 | 68 | 8 | 15 | 29.99 | 30.08 | 10 | CLR | NC | | | 8.00 | 66 | 58 | 61 | 75 | 0 | 00 | 29.98 | 30.06 | | |
| 13 | CLR | NC | | | 10.00 | 67 | 52 | 59 | 59 | 16 | 14 | 29.86 | 29.95 | 13 | CLR | NC | | | 10.00 | 76 | 56 | 64 | 50 | 6 | 15 | 29.91 | 30.00 | | |
| 16 | CLR | NC | | | 10.00 | 67 | 52 | 59 | 59 | 13 | 14 | 29.73 | 29.82 | 16 | OVC | 065 | | | 10.00 | 77 | 54 | 63 | 45 | 0 | 00 | 29.90 | 29.98 | | |
| 19 | OVC | 055 | | | 10.00 | 55 | 43 | 49 | 64 | 22 | 28 | 29.78 | 29.87 | 19 | CLR | NC | | | 10.00 | 68 | 56 | 61 | 66 | 0 | 00 | 29.92 | 30.01 | | |
| 22 | OVC | 070 | | | 10.00 -RA | 49 | 45 | 47 | 86 | 6 | 28 | 29.80 | 29.88 | 22 | CLR | NC | | | 7.00 | 61 | 56 | 58 | 84 | 3 | 05 | 29.93 | 30.01 | | |
| SUNRISE: 0615 | | | | OCT 17 | | | | SUNSET: 1720 | | | | SUNRISE: 0621 | | | | OCT 23 | | | | SUNSET: 1712 | | | | | | | | | |
| 01 | FEW | NC | | | 10.00 | 48 | 43 | 46 | 83 | 10 | 23 | 29.76 | 29.84 | 01 | CLR | NC | | | 4.00 BR | 59 | 58 | 58 | 96 | 7 | 06 | 29.91 | 29.99 | | |
| 04 | CLR | NC | | | 10.00 | 47 | 39 | 43 | 74 | 13 | 23 | 29.75 | 29.84 | 04 | OVC | 002 | | | 2.50 BR | 58 | 58 | 58 | 100 | 6 | 07 | 29.91 | 30.00 | | |
| 07 | CLR | NC | | | 10.00 | 48 | 38 | 43 | 68 | 16 | 24 | 29.81 | 29.90 | 07 | OVC | 004 | | | 3.00 BR | 58 | 57 | 57 | 97 | 12 | 07 | 29.90 | 29.99 | | |
| 10 | BKN | 047 | | | 10.00 | 54 | 36 | 46 | 51 | 22 | 26 | 29.87 | 29.96 | 10 | OVC | 006 | | | 5.00 BR | 61 | 58 | 59 | 90 | 7 | 11 | 29.88 | 29.97 | | |
| 13 | FEW | NC | | | 10.00 | 58 | 30 | 45 | 35 | 22 | 27 | 29.87 | 29.96 | 13 | OVC | 003 | | | 5.00 BR | 63 | 61 | 62 | 93 | 15 | 16 | 29.80 | 29.88 | | |
| 16 | OVC | 080 | | | 10.00 | 54 | 25 | 42 | 33 | 18 | 28 | 29.92 | 30.01 | 16 | CLR | NC | | | 10.00 | 70 | 64 | 66 | 82 | 8 | 15 | 29.74 | 29.83 | | |
| 19 | CLR | NC | | | 10.00 | 49 | 25 | 39 | 39 | 14 | 28 | 30.00 | 30.09 | 19 | SCT | NC | | | 10.00 | 65 | 64 | 64 | 97 | 14 | 15 | 29.72 | 29.81 | | |
| 22 | BKN | 070 | | | 10.00 | 47 | 23 | 38 | 39 | 8 | 25 | 30.09 | 30.17 | 22 | CLR | NC | | | 10.00 | 64 | 63 | 63 | 96 | 10 | 16 | 29.70 | 29.79 | | |
| SUNRISE: 0616 | | | | OCT 18 | | | | SUNSET: 1719 | | | | SUNRISE: 0622 | | | | OCT 24 | | | | SUNSET: 1710 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | 42 | 25 | 36 | 51 | 8 | 26 | 30.13 | 30.21 | 01 | CLR | NC | | | 8.00 | 62 | 61 | 61 | 96 | 8 | 15 | 29.69 | 29.78 | | |
| 04 | CLR | NC | | | 10.00 | 38 | 27 | 34 | 65 | 8 | 25 | 30.16 | 30.24 | 04 | CLR | NC | | | 0.75 HZ | 57 | 31 | 45 | 37 | 5 | 32 | 29.68 | 29.76 | | |
| 07 | CLR | NC | | | 10.00 | 38 | 28 | 34 | 68 | 8 | 25 | 30.23 | 30.32 | 07 | CLR | NC | | | 2.00 HZ | 60 | 30 | 47 | 32 | 5 | 16 | 29.69 | 29.78 | | |
| 10 | CLR | NC | | | 10.00 | 52 | 29 | 42 | 41 | 13 | 31 | 30.24 | 30.33 | 10 | CLR | NC | | | 10.00 | 71 | 41 | 55 | 34 | 9 | 22 | 29.70 | 29.78 | | |
| 13 | CLR | NC | | | 10.00 | 56 | 30 | 45 | 37 | 12 | 30 | 30.19 | 30.28 | 13 | CLR | NC | | | 10.00 | 80 | 45 | 60 | 29 | 8 | 15 | 29.64 | 29.72 | | |
| 16 | CLR | NC | | | 10.00 | 57 | 30 | 45 | 36 | 9 | 29 | 30.16 | 30.25 | 16 | CLR | NC | | | 10.00 | 80 | 41 | 59 | 25 | 7 | 19 | 29.60 | 29.69 | | |
| 19 | CLR | NC | | | 10.00 | 50 | 33 | 43 | 52 | 5 | 21 | 30.18 | 30.27 | 19 | CLR | NC | | | 10.00 | 68 | 38 | 53 | 33 | 6 | 16 | 29.63 | 29.72 | | |
| 22 | CLR | NC | | | 10.00 | 39 | 35 | 37 | 86 | 5 | 30 | 30.19 | 30.28 | 22 | CLR | NC | | | 8.00 | 66 | 37 | 52 | 34 | 9 | 16 | 29.62 | 29.71 | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

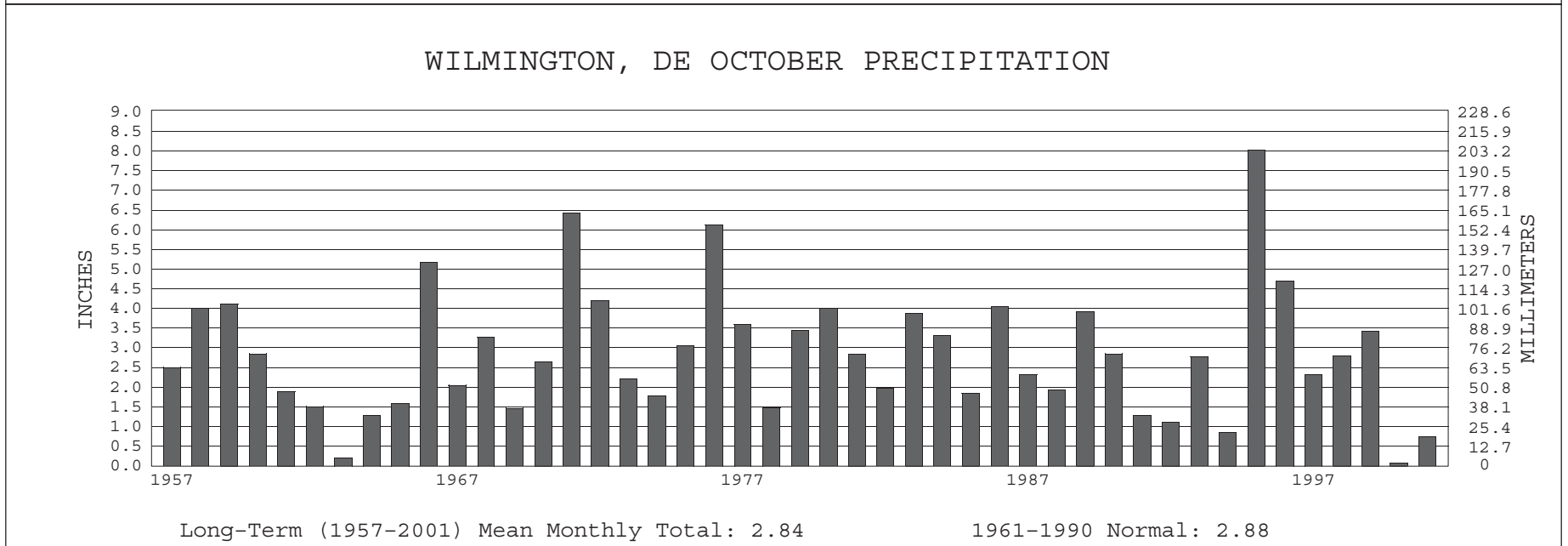
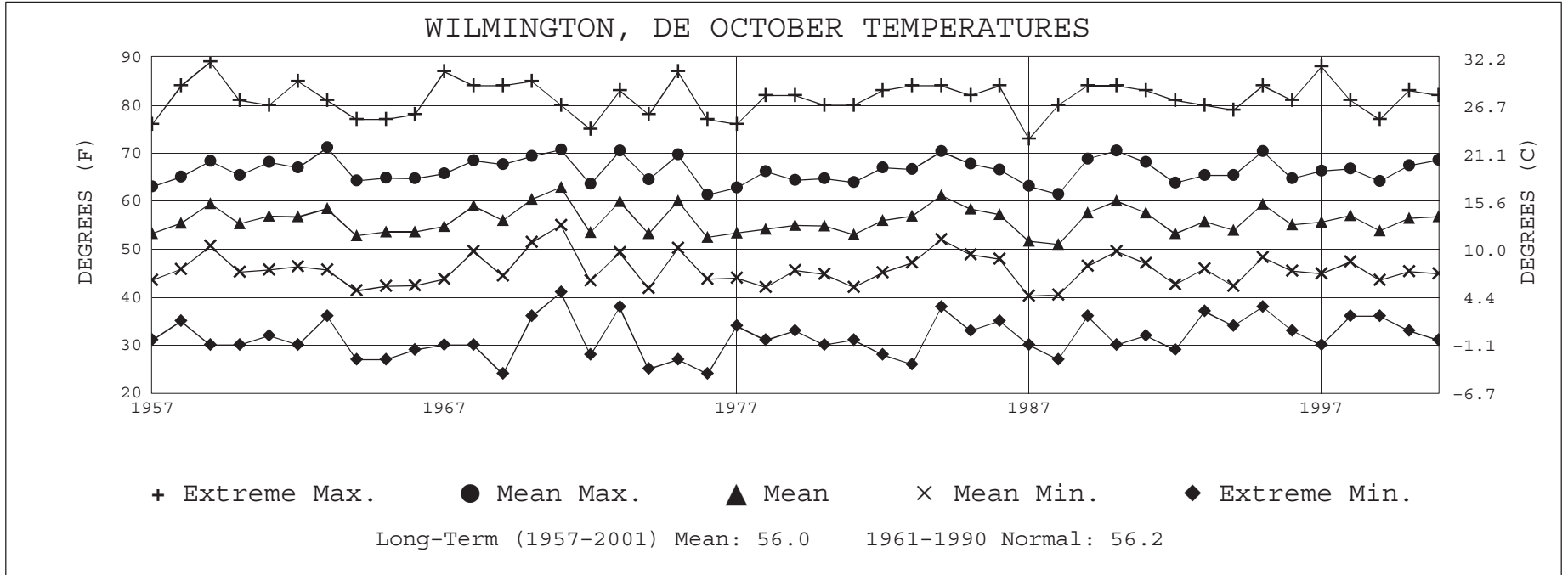
WILMINGTON, DE

OCTOBER 2001

ILG

WBAN # 13781

| HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | | CEILING 100'S OF FT | SATELLITE | | OBSERVATION TIME (LST) | EFF CLD AMT Okta | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | | WIND | | PRESSURE (INCHES, HG) | |
|---------------|-----------|-----------|------------------------|-----------|----------------------------|---------------------------|---------------------|-----------------------|---------|-------------------|--------------------------|---------|--------------|--------------|-----------|--------------------------|----------------------------|---|-------------|--------------------------|------------------------|-----------|--------------|---------------------------|---------------------|-----------------------|---------|-------------------|----|----|----|--------------|----|--------------------------|-------|
| | DRY BULB | DEW POINT | | WET BULB | RELATIVE HUMIDITY (PCT) | | | | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | | SPEED (MPH) | DIRECTION TENS OF DEG | | STATION | SEA LEVEL | | | | | | | | | | | | |
| SUNRISE: 0623 | | | | | | | | | | OCT 25 | | | | SUNSET: 1709 | | | | SUNRISE: 0630 | | | | | | | | | | OCT 31 | | | | SUNSET: 1702 | | | |
| 01 | CLR | NC | | | | | | 8.00 | | 64 | 37 | 51 | 37 | 5 | 18 | 29.58 | 29.66 | 01 | CLR | NC | | | | | | 10.00 | | 47 | 19 | 37 | 33 | 9 | 04 | 30.45 | 30.54 |
| 04 | CLR | NC | | | | | | 10.00 | | 68 | 32 | 51 | 26 | 10 | 17 | 29.51 | 29.60 | 04 | CLR | NC | | | | | | 10.00 | | 47 | 22 | 37 | 37 | 12 | 06 | 30.44 | 30.53 |
| 07 | CLR | NC | | | | | | 10.00 | | 68 | 31 | 50 | 25 | 9 | 21 | 29.52 | 29.60 | 07 | SCT | NC | | | | | | 10.00 | | 42 | 27 | 36 | 55 | 5 | 01 | 30.46 | 30.55 |
| 10 | | | | | | | | 10.00 | | 75 | 60 | 66 | 60 | 15 | 26 | | | 10 | OVC | 075 | | | | | | 10.00 | | 53 | 36 | 45 | 52 | 5 | VR | 30.47 | 30.55 |
| 13 | SCT | NC | | | | | | 10.00 | | 75 | 22 | 51 | 14 | 24 | 27 | 29.58 | 29.67 | 13 | BKN | 095 | | | | | | 10.00 | | 62 | 44 | 53 | 52 | 12 | 13 | 30.37 | 30.45 |
| 16 | CLR | NC | | | | | | 10.00 | | 71 | 21 | 49 | 15 | 22 | 26 | 29.60 | 29.69 | 16 | FEW | NC | | | | | | 10.00 | | 60 | 48 | 54 | 65 | 14 | 16 | 30.31 | 30.40 |
| 19 | CLR | NC | | | | | | 10.00 | | 63 | 22 | 46 | 21 | 8 | 26 | 29.67 | 29.76 | 19 | CLR | NC | | | | | | 10.00 | | 55 | 50 | 52 | 83 | 7 | 18 | 30.30 | 30.39 |
| 22 | CLR | NC | | | | | | 10.00 | | 60 | 20 | 44 | 21 | 13 | 26 | 29.72 | | 22 | CLR | NC | | | | | | 10.00 | | 48 | 45 | 47 | 89 | 0 | 00 | 30.30 | 30.39 |
| SUNRISE: 0624 | | | | | | | | | | OCT 26 | | | | SUNSET: 1708 | | | | 3-HOURLY OBSERVATION NOTES Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained additional weather elements. See page 3 for additional notes. | | | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | | | 10.00 | | 55 | 23 | 42 | 29 | 7 | 25 | 29.71 | 29.80 | | | | | | | | | | | | | | | | | | |
| 04 | CLR | NC | | | | | | 10.00 | | 53 | 23 | 41 | 31 | 9 | 25 | 29.72 | 29.81 | | | | | | | | | | | | | | | | | | |
| 07 | CLR | NC | | | | | | 10.00 | | 52 | 25 | 41 | 35 | 14 | 24 | 29.75 | 29.84 | | | | | | | | | | | | | | | | | | |
| 10 | CLR | NC | | | | | | 10.00 | | 56 | 25 | 43 | 30 | 20 | 26 | 29.75 | 29.84 | | | | | | | | | | | | | | | | | | |
| 13 | FEW | NC | | | | | | 10.00 | | 59 | 24 | 44 | 26 | 17 | 26 | 29.72 | 29.81 | | | | | | | | | | | | | | | | | | |
| 16 | OVC | 075 | | | | | | 10.00 | | 52 | 21 | 40 | 30 | 25 | 28 | 29.76 | 29.85 | | | | | | | | | | | | | | | | | | |
| 19 | CLR | NC | | | | | | 10.00 | | 47 | 23 | 38 | 39 | 14 | 26 | 29.84 | 29.93 | | | | | | | | | | | | | | | | | | |
| 22 | CLR | NC | | | | | | 10.00 | | 43 | 25 | 36 | 49 | 12 | 24 | 29.84 | 29.93 | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0626 | | | | | | | | | | OCT 27 | | | | SUNSET: 1707 | | | | | | | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | | | 10.00 | | 43 | 27 | 37 | 53 | 13 | 26 | 29.82 | 29.91 | | | | | | | | | | | | | | | | | | |
| 04 | CLR | NC | | | | | | 10.00 | | 42 | 28 | 36 | 58 | 13 | 26 | 29.83 | 29.92 | | | | | | | | | | | | | | | | | | |
| 07 | CLR | NC | | | | | | 10.00 | | 42 | 29 | 37 | 60 | 13 | 27 | 29.88 | 29.96 | | | | | | | | | | | | | | | | | | |
| 10 | CLR | NC | | | | | | 10.00 | | 51 | 30 | 42 | 45 | 17 | 30 | 29.92 | 30.01 | | | | | | | | | | | | | | | | | | |
| 13 | OVC | 070 | | | | | | 10.00 | | 50 | 29 | 41 | 44 | 15 | 30 | 29.92 | 30.01 | | | | | | | | | | | | | | | | | | |
| 16 | BKN | 085 | | | | | | 10.00 | | 50 | 27 | 40 | 41 | 13 | 31 | 29.97 | 30.06 | | | | | | | | | | | | | | | | | | |
| 19 | OVC | 080 | | | | | | 10.00 | | 47 | 27 | 39 | 46 | 7 | 30 | 30.06 | 30.15 | | | | | | | | | | | | | | | | | | |
| 22 | BKN | 070 | | | | | | 10.00 | | 46 | 26 | 38 | 46 | 13 | 32 | 30.12 | 30.21 | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0627 | | | | | | | | | | OCT 28 | | | | SUNSET: 1705 | | | | | | | | | | | | | | | | | | | | | |
| 01 | BKN | 070 | | | | | | 10.00 | | 43 | 25 | 36 | 49 | 12 | 32 | 30.17 | 30.26 | | | | | | | | | | | | | | | | | | |
| 04 | SCT | NC | | | | | | 10.00 | | 39 | 27 | 34 | 62 | 10 | 31 | 30.23 | 30.32 | | | | | | | | | | | | | | | | | | |
| 07 | CLR | NC | | | | | | 10.00 | | 38 | 27 | 34 | 65 | 3 | 33 | 30.32 | 30.41 | | | | | | | | | | | | | | | | | | |
| 10 | SCT | NC | | | | | | 10.00 | | 47 | 25 | 38 | 42 | 15 | 35 | 30.39 | 30.47 | | | | | | | | | | | | | | | | | | |
| 13 | FEW | NC | | | | | | 10.00 | | 51 | 26 | 41 | 38 | 14 | 32 | 30.36 | 30.45 | | | | | | | | | | | | | | | | | | |
| 16 | CLR | NC | | | | | | 10.00 | | 52 | 24 | 41 | 34 | 9 | 31 | 30.38 | 30.46 | | | | | | | | | | | | | | | | | | |
| 19 | CLR | NC | | | | | | 10.00 | | 42 | 24 | 35 | 49 | 7 | 30 | 30.42 | 30.51 | | | | | | | | | | | | | | | | | | |
| 22 | CLR | NC | | | | | | 10.00 | | 37 | 26 | 33 | 65 | 3 | 33 | 30.45 | 30.54 | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0628 | | | | | | | | | | OCT 29 | | | | SUNSET: 1704 | | | | | | | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | | | 10.00 | | 36 | 28 | 33 | 73 | 5 | 29 | 30.46 | 30.55 | | | | | | | | | | | | | | | | | | |
| 04 | CLR | NC | | | | | | 10.00 | | 34 | 27 | 31 | 76 | 5 | 31 | 30.45 | 30.53 | | | | | | | | | | | | | | | | | | |
| 07 | CLR | NC | | | | | | 10.00 | | 31 | 25 | 29 | 79 | 5 | 31 | 30.48 | 30.57 | | | | | | | | | | | | | | | | | | |
| 10 | CLR | NC | | | | | | 10.00 | | 49 | 27 | 40 | 43 | 6 | 24 | 30.49 | 30.58 | | | | | | | | | | | | | | | | | | |
| 13 | CLR | NC | | | | | | 10.00 | | 56 | 29 | 44 | 36 | 6 | VR | 30.39 | 30.48 | | | | | | | | | | | | | | | | | | |
| 16 | CLR | NC | | | | | | 10.00 | | 58 | 31 | 46 | 36 | 6 | 24 | 30.33 | 30.42 | | | | | | | | | | | | | | | | | | |
| 19 | CLR | NC | | | | | | 10.00 | | 49 | 33 | 42 | 55 | 7 | 23 | 30.33 | 30.42 | | | | | | | | | | | | | | | | | | |
| 22 | CLR | NC | | | | | | 10.00 | | 47 | 38 | 43 | 71 | 3 | 01 | 30.31 | 30.40 | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0629 | | | | | | | | | | OCT 30 | | | | SUNSET: 1703 | | | | | | | | | | | | | | | | | | | | | |
| 01 | BKN | 100 | | | | | | 10.00 | | 47 | 34 | 41 | 61 | 7 | 24 | 30.29 | 30.37 | | | | | | | | | | | | | | | | | | |
| 04 | FEW | NC | | | | | | 10.00 | | 45 | 34 | 40 | 66 | 0 | 00 | 30.29 | 30.37 | | | | | | | | | | | | | | | | | | |
| 07 | SCT | NC | | | | | | 10.00 | | 43 | 37 | 40 | 80 | 7 | 30 | 30.34 | 30.42 | | | | | | | | | | | | | | | | | | |
| 10 | CLR | NC | | | | | | 10.00 | | 60 | 39 | 50 | 46 | 13 | 35 | 30.37 | 30.45 | | | | | | | | | | | | | | | | | | |
| 13 | CLR | NC | | | | | | 10.00 | | 62 | 39 | 51 | 43 | 12 | 31 | 30.36 | 30.45 | | | | | | | | | | | | | | | | | | |
| 16 | CLR | NC | | | | | | 10.00 | | 62 | 36 | 50 | 38 | 12 | 01 | 30.34 | 30.43 | | | | | | | | | | | | | | | | | | |
| 19 | CLR | NC | | | | | | 10.00 | | 53 | 32 | 44 | 45 | 7 | 36 | 30.40 | 30.49 | | | | | | | | | | | | | | | | | | |
| 22 | CLR | NC | | | | | | 10.00 | | 49 | 24 | 39 | 38 | 6 | 35 | 30.45 | 30.53 | | | | | | | | | | | | | | | | | | |





OCTOBER 2001
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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