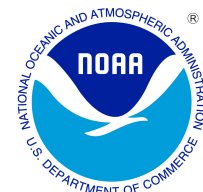




JANUARY 2006 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE
NEW CASTLE COUNTY AIRPORT (KILG)
Lat:39° 40'N Long: 75° 36'W Elev (Ground) 75 Feet
Time Zone : EASTERN WBAN: 13781 ISSN#: 0198-117X



| Date 1 | Temperature °F | | | | | | Deg Days BASE 65° | | WEATHER 10 | SNOW/ICE ON GND(IN) | | PRECIPITATION ON GND(IN) | | PRESSURE (INCHES OF HG) | | WIND SPEED = MPH DIR = TENS OF DEGREES | | | | | | | | Date 24 |
|-----------|----------------|--------------|--------------|-------------------------|------------------------|--------------------------|----------------------|--------------|----------------------------|------------------------|-------------|-----------------------------|-------------|----------------------------|----------------------------|---|---------------|------------------------|---------|----|-------|----|----|------------|
| | MAXIMUM 2 | MINIMUM 3 | AVERAGE 4 | DEP FROM NORMAL 5 | AVERAGE DEW PT 6 | AVERAGE WET BULB 7 | HEATING 8 | COOLING 9 | | 0700 LST | 1300 LST | 2400 LST | 2400 LST | AVERAGE STATION 15 | AVERAGE SEA LEVEL 16 | RESULTANT SPEED 17 | RES DIR 18 | AVERAGE SPEED 19 | MAXIMUM | | | | | |
| | | | | | | | | | | | | | | | | | | | 5-SEC | | 2-MIN | | | |
| 20 | 21 | 22 | 23 | 24 | | | | | | | | | | | | | | | | | | | | |
| 01 | 47 | 31 | 39 | 6 | 30 | | 26 | 0 | BR | 0 | | 0.0 | 0.00 | | | 4.8 | 28 | 5.0 | 17 | 27 | 15 | 28 | 01 | |
| 02 | 43 | 29 | 36 | 3 | 35 | | 29 | 0 | RA BR | 0 | | 0.0 | 0.94 | | | 6.9 | 06 | 7.5 | 25 | 07 | 21 | 07 | 02 | |
| 03 | 46 | 36 | 41 | 9 | 38 | | 24 | 0 | RA BR | 0 | | 0.0 | 0.35 | 17.41 | | 16.0 | 02 | 16.3 | 35 | 04 | 28 | 03 | 03 | |
| 04 | 41 | 35 | 38 | 6 | 32 | 35 | 27 | 0 | RA BR | 0 | | 0.0 | 0.01 | 29.89 | | 2.9 | 11 | 7.3 | 16 | 12 | 13 | 12 | 04 | |
| 05 | 53 | 37 | 45 | 13 | 36 | 40 | 20 | 0 | FG BR | 0 | | 0.0 | 0.00 | 29.65 | 29.73 | 6.3 | 26 | 8.5 | 28 | 29 | 22 | 29 | 05 | |
| 06 | 43 | 29 | 36 | 4 | 26 | 33 | 29 | 0 | | 0 | | 0.0 | 0.00 | 29.69 | 29.77 | 11.0 | 31 | 11.6 | 24 | 30 | 21 | 32 | 06 | |
| 07 | 36 | 22 | 29 | -3 | 16 | 26 | 36 | 0 | RA | 0 | | 0.0 | T | 29.89 | 29.97 | 4.2 | 24 | 8.0 | 20 | 30 | 17 | 30 | 07 | |
| 08 | 47 | 33 | 40 | 8 | 28 | 35 | 25 | 0 | | 0 | | 0.0 | 0.00 | 29.96 | 30.04 | 4.1 | 17 | 6.4 | 17 | 14 | 14 | 14 | 08 | |
| 09 | 58 | 37 | 48 | 16 | 37 | 43 | 17 | 0 | | 0 | | 0.0 | 0.00 | 29.91 | 30.04 | 5.4 | 24 | 8.3 | 23 | 23 | 20 | 22 | 09 | |
| 10 | 49 | 32 | 41 | 9 | 30 | 37 | 24 | 0 | | 0 | | 0.0 | 0.00 | 30.34 | 30.45 | 1.2 | 30 | 6.1 | 21 | 31 | 17 | 31 | 10 | |
| 11 | 51 | 32 | 42 | 11 | 42 | 43 | 23 | 0 | RA FG+ FG BR | 0 | | 0.0 | 0.44 | 30.09 | 30.14 | 2.8 | 17 | 5.5 | 18 | 26 | 15 | 27 | 11 | |
| 12 | 58 | 38 | 48* | 17 | 39 | 43 | 17 | 0 | FG+ FG BR | 0 | | 0.0 | 0.00 | 29.93 | 30.03 | 4.0 | 22 | 5.8 | 25 | 32 | 21 | 32 | 12 | |
| 13 | 53 | 34 | 44 | 13 | 44 | 44 | 21 | 0 | FG+ FG BR | 0 | | 0.0 | 0.00 | 29.83 | 29.87 | 2.6 | 13 | 3.7 | 14 | 14 | 12 | 15 | 13 | |
| 14 | 56 | 33 | 45 | 14 | 43 | 45 | 20 | 0 | RA SN FG BR | 0 | | T | 0.37 | 29.21 | 29.29 | 7.6 | 30 | 17.2 | 49 | 31 | 37 | 31 | 14 | |
| 15 | 35 | 24 | 30 | -1 | 6 | 23 | 35 | 0 | | 0 | | 0.0 | 0.00 | 29.54 | 29.69 | 22.8 | 31 | 23.0 | 53* | 32 | 39* | 32 | 15 | |
| 16 | 33 | 23 | 28* | -3 | 5 | 22 | 37 | 0 | | 0 | | 0.0 | 0.00 | 29.88 | 29.99 | 5.4 | 32 | 6.9 | 22 | 32 | 17 | 31 | 16 | |
| 17 | 51 | 27 | 39 | 8 | 24 | 32 | 26 | 0 | RA | 0 | | 0.0 | 0.02 | 29.98 | 30.05 | 7.4 | 07 | 7.8 | 22 | 08 | 20 | 07 | 17 | |
| 18 | 59 | 34 | 47 | 16 | 37 | 43 | 18 | 0 | RA BR | 0 | | 0.0 | 0.74 | 29.61 | 29.74 | 12.6 | 22 | 20.6 | 46 | 27 | 37 | 22 | 18 | |
| 19 | 50 | 31 | 41 | 10 | 25 | 34 | 24 | 0 | | 0 | | 0.0 | 0.00 | 30.16 | 30.28 | 5.1 | 20 | 6.7 | 20 | 24 | 14 | 20 | 19 | |
| 20 | 58 | 29 | 44 | 13 | 33 | 39 | 21 | 0 | | 0 | | 0.0 | 0.00 | 30.11 | 30.20 | 3.9 | 19 | 4.5 | 16 | 21 | 13 | 21 | 20 | |
| 21 | 61* | 31 | 46 | 15 | 35 | 42 | 19 | 0 | | 0 | | 0.0 | 0.00 | 30.01 | 30.14 | 7.6 | 25 | 11.5 | 39 | 29 | 35 | 29 | 21 | |
| 22 | 44 | 26 | 35 | 4 | 22 | 31 | 30 | 0 | RA | 0 | | 0.0 | 0.07 | 30.50 | 30.59 | 1.8 | 04 | 7.0 | 15 | 12 | 14 | 15 | 22 | |
| 23 | 43 | 35 | 39 | 8 | 37 | 38 | 26 | 0 | RA BR | 0 | | 0.0 | 1.01 | 30.02 | 30.07 | 4.4 | 33 | 9.4 | 31 | 09 | 28 | 09 | 23 | |
| 24 | 48 | 29 | 39 | 8 | 29 | 35 | 26 | 0 | TSRA TSSN RA FZRA SN BR VC | 0 | | T | 0.08 | 29.80 | 29.86 | 5.5 | 23 | 6.9 | 38 | 29 | 31 | 30 | 24 | |
| 25 | 42 | 32 | 37 | 6 | 25 | 32 | 28 | 0 | RA SN | 0 | | T | T | 29.65 | 29.78 | 17.1 | 27 | 17.9 | 39 | 29 | 31 | 28 | 25 | |
| 26 | 37 | 28 | 33 | 2 | 12 | 26 | 32 | 0 | | 0 | | 0.0 | 0.00 | 30.11 | 30.25 | 18.3 | 31 | 18.6 | 40 | 32 | 30 | 31 | 26 | |
| 27 | 44 | 20* | 32 | 1 | 10 | 26 | 33 | 0 | | 0 | | 0.0 | 0.00 | 30.45 | 30.54 | 4.1 | 29 | 6.2 | 17 | 33 | 14 | 32 | 27 | |
| 28 | 58 | 25 | 42 | 10 | 23 | 35 | 23 | 0 | | 0 | | 0.0 | 0.00 | 30.22 | 30.28 | 4.9 | 22 | 5.3 | 17 | 24 | 14 | 22 | 28 | |
| 29 | 56 | 31 | 44 | 12 | 39 | 42 | 21 | 0 | RA BR | 0 | | 0.0 | 0.10 | 29.83 | 29.88 | 6.5 | 17 | 8.1 | 24 | 19 | 20 | 19 | 29 | |
| 30 | 58 | 34 | 46 | 14 | 43 | 44 | 19 | 0 | RA FG+ FG BR | 0 | | 0.0 | 0.01 | 29.68 | 29.76 | 1.6 | 14 | 3.6 | 16 | 15 | 14 | 16 | 30 | |
| 31 | 49 | 39 | 44 | 12 | 36 | 40 | 21 | 0 | RA BR | 0 | | 0.0 | T | 29.62 | 29.71 | 11.7 | 34 | 16.0 | 32 | 31 | 26 | 30 | 31 | |

| | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|------|------|------|-----------------------------------|------|------|-----|--|--|------------------------|--|-------------------------|--|---------------------------------|-------|-----------|----|-----|--------------------|--|--|--|
| 48.6 | 30.8 | 39.7 | ☼ | 29.6 | 36.0 | 25.1 | 0.0 | < MONTHLY AVERAGES TOTALS > | | | | T | 4.14 | 29.91 | 30.00 | 3.3 | 29 | 9.6 | < MONTHLY AVERAGES | | | |
| 9.3 | 7.1 | 8.2 | | -----DEPARTURE FROM NORMAL -----> | | | | | | | | 0.71 | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | |
| DEGREE DAYS | | | | | | | | GREATEST 24-HR PRECIPITATION : 1.29 DATE : 02-03 | | | | SEA LEVEL PRESSURE | | | | DATE TIME | | | | | | |
| MONTHLY | | | | SEASON TO DATE | | | | GREATEST 24-HR SNOWFALL : T DATE : 25+ | | | | MAXIMUM : 30.71 22 1051 | | | | | | | | | | |
| TOTAL DEPARTURE | | | | TOTAL DEPARTURE | | | | GREATEST SNOW DEPTH : 0 DATE : | | | | MINIMUM : 29.17 14 1511 | | | | | | | | | | |
| HEATING : | | 777 | -252 | 2506 | | -308 | | NUMBER OF -> DAYS WITH | | MAXIMUM TEMP >= 90 : 0 | | MINIMUM TEMP <= 32 : 19 | | PRECIPITATION >= 0.01 INCH : 12 | | | | | | | | |
| COOLING : | | 0 | 0 | 0 | | 0 | | | | MAXIMUM TEMP <= 32 : 0 | | MINIMUM TEMP <= 0 : 0 | | PRECIPITATION >= 0.10 INCH : 7 | | | | | | | | |
| | | | | | | | | | | THUNDERSTORMS : 1 | | HEAVY FOG : 4 | | SNOWFALL >= 1.0 INCH : 0 | | | | | | | | |

JANUARY 2006
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
JANUARY 2006

WBAN # 13781

| Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | FOR HOUR (LST) ENDING AT | | | | | | | | | | | | Date | Sum of Hourly Data | 2400 LST Water Equiv. |
|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|--------------------------|
| | 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 | | | | | | | | | | | | | 01 | | | | | | | | | | | | 01 | 0.00 | 0.00 | |
| 02 | | | | | | | | | | | | T | 02 | 0.08 | 0.11 | 0.10 | 0.09 | T | 0.07 | 0.03 | 0.05 | 0.08 | 0.11 | 0.13 | 0.10 | 02 | 0.95* | 0.94 |
| 03 | 0.07 | 0.13 | 0.14 | 0.01 | | | | | T | T | T | T | 03 | | | T | T | | T | T | | T | | | 03 | 0.35 | 0.35 | |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | 0.01 | T | | 04 | 0.01 | 0.01 | |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | 0.00 | 0.00 | |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | 0.00 | 0.00 | |
| 07 | | | | | | | | | | | | | 07 | T | | | | | | | | | | | 07 | T | T | |
| 08 | | | | | | | | | | | | | 08 | | | | | | | | | | | | 08 | 0.00 | 0.00 | |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | 09 | 0.00 | 0.00 | |
| 10 | | | | | | | | | | | | | 10 | | | | | | | | | | | | 10 | 0.00 | 0.00 | |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | 0.44 | 0.44 | |
| 12 | | | | | | | | | | | | | 12 | | 0.01 | T | T | 0.04 | 0.27 | 0.03 | T | 0.09 | | | 12 | 0.00 | 0.00 | |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | 0.00 | 0.00 | |
| 14 | | T | 0.01 | 0.02 | 0.10 | 0.19 | 0.02 | | T | 0.03 | T | | 14 | | | | | | | | T | T | T | | 14 | 0.37 | 0.37 | |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | 0.00 | 0.00 | |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | 16 | 0.00 | 0.00 | |
| 17 | | | | | | | | | | | | | 17 | T | | | | | | | | T | 0.02 | | 17 | 0.02 | 0.02 | |
| 18 | | 0.02 | 0.01 | | | 0.01 | 0.07 | 0.17 | 0.15 | 0.09 | 0.15 | 0.07 | 18 | T | | | | | | | | | | | 18 | 0.74 | 0.74 | |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | | | | | 19 | 0.00 | 0.00 | |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | 0.00 | 0.00 | |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | 0.00 | 0.00 | |
| 22 | | | | | | | | | | | | | 22 | | | | | | | | | | T | 0.07 | 22 | 0.07 | 0.07 | |
| 23 | 0.08 | 0.10 | 0.12 | 0.16 | 0.17 | 0.25 | 0.03 | 0.05 | 0.03 | | | | 23 | | 0.02 | T | | | | | | | | | 23 | 1.01 | 1.01 | |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | 0.07 | 0.01 | 24 | 0.08 | 0.08 | |
| 25 | | | | | | | | | | T | | | 25 | | | | | | | | | | | | 25 | T | T | |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | 0.00 | 0.00 | |
| 27 | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | 0.00 | 0.00 | |
| 28 | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | 0.00 | 0.00 | |
| 29 | | | | | | | | | | | T | T | 29 | 0.08 | 0.01 | 0.01 | T | | | | | | | | 29 | 0.10 | 0.10 | |
| 30 | | | | | | | | | | | | | 30 | | | | | | | | | | | 0.01 | 30 | 0.01 | 0.01 | |
| 31 | T | | | | | | | | | | T | | 31 | | | | | | | | | | | | 31 | T | T | |

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | 0.14 | 0.16 | 0.16 | 0.18 | 0.25 | 0.27 | 0.31 | 0.35 | 0.41 | 0.45 | 0.51 | 0.63 |
| Ending Date | 14 | 14 | 14 | 14 | 14 | 11 | 11 | 23 | 23 | 23 | 23 | 23 |
| Ending Time (Hr/Min) | 0507 | 0511 | 0511 | 0506 | 0511 | 1741 | 1749 | 0534 | 0554 | 0543 | 0531 | 0546 |

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

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

T = Trace precipitation amount.

+ = also occurs on earlier date.

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

BLANK entries denote missing or unreported data.

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

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

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

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

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

| QUALIFIER | WEATHER PHENOMENA | | |
|--------------------|-----------------------------------|--------------------|------------------------------------|
| DESCRIPTOR | 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 | |
| PR Partial | RA Rain | PY Spray | SQ Squalls |
| SH Shower(s) | SG Snow Grains | SA Sand | SS Sandstorm |
| TS Thunderstorm | SN Snow | VA Volcanic Ash | GL Glaze |
| VC In the Vicinity | UP Unkown Precipitation | | |

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

WILMINGTON, DE JANUARY 2006

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 | |
| | | | Sky Cover | Satellite | Sky Cover | Satellite | | | |
| 01 | | | | | | | 2.50 | 10.00 | |
| 02 | | | | | | | 4.00 | 10.00 | |
| 03 | | | | | | | 3.00 | 10.00 | |
| 04 | | | | | | | 2.00 | 10.00 | |
| 05 | | | | | | | 0.50 | 10.00 | |
| 06 | | | | | | | 10.00 | 10.00 | |
| 07 | | | | | | | 10.00 | 10.00 | |
| 08 | | | | | | | 10.00 | 10.00 | |
| 09 | | | | | | | 10.00 | 10.00 | |
| 10 | | | | | | | 9.00 | 10.00 | |
| 11 | | | | | | | 0.50 | 9.00 | |
| 12 | | | | | | | 0.25 | 10.00 | |
| 13 | | | | | | | 0.25 | 6.00 | |
| 14 | | | | | | | 0.25 | 10.00 | |
| 15 | | | | | | | 10.00 | 10.00 | |
| 16 | | | | | | | 10.00 | 10.00 | |
| 17 | | | | | | | 10.00 | 10.00 | |
| 18 | | | | | | | 2.50 | 10.00 | |
| 19 | | | | | | | 10.00 | 10.00 | |
| 20 | | | | | | | 10.00 | 10.00 | |
| 21 | | | | | | | 10.00 | 10.00 | |
| 22 | | | | | | | 10.00 | 10.00 | |
| 23 | | | | | | | 2.00 | 10.00 | |
| 24 | | | | | | | 6.00 | 10.00 | |
| 25 | | | | | | | 10.00 | 10.00 | |
| 26 | | | | | | | 10.00 | 10.00 | |
| 27 | | | | | | | 10.00 | 10.00 | |
| 28 | | | | | | | 10.00 | 10.00 | |
| 29 | | | | | | | 3.00 | 10.00 | |
| 30 | | | | | | | 0.00 | 10.00 | |
| 31 | | | | | | | 3.00 | 10.00 | |
| MONTHLY AVGS | | | | | | | 6.09 | 9.84 | |
| SUNSHINE (Minutes) | | | | | | | | | |
| Total : | | | | | Possible : | | | | |
| Percent Possible : | | | | | | | | | |
| NUMBER OF DAYS WITH : | | | | | | | | | |
| SKY CONDITION | | | | | | | | | |
| Clear | | Partly CLDY | | | Cloudy | | | Missing | |
| MINIMUM VISIBILITY (MILES) | | | | | | | | | |
| <= .25 | | | <= 3.0 | | | | >= 7.0 | | |
| 4 | | | 13 | | | | 16 | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE JANUARY 2006 KILG

WBAN # 13781

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | | | | | | | | |
|----------------------|-----------|-------------------------|---------------------------|----------------------|---------|-----------------------|----------|-----------|---|--------------------------|----------------------------|----------------------|-----------|-------------------------|-----------|--------------|---------|-------------------|-----------|----------|---|----------------------------|---------|--------------|----------|-----------|----------|----------------------------|---------|--------------|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | RELATIVE HUMIDITY (PCT) | | | | STATION | SEA LEVEL | | DRY BULB | DEW POINT | WET BULB | | RELATIVE HUMIDITY (PCT) | STATION | SEA LEVEL | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY (PCT) | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0721 JAN 01 | | | | | | SUNSET: 1647 | | | | | | SUNRISE: 0721 JAN 07 | | | | | | SUNSET: 1652 | | | | | | | | | | | | |
| 01 | CLR | NC | | | 3.00 | BR | 35 | 34 | | | | 01 | CLR | NC | | | 10.00 | | | 29 | 15 | 25 | 56 | 13 | 30 | 29.83 | 29.92 | | | |
| 04 | OVC | 060 | | | 6.00 | BR | 35 | 33 | | | | 04 | CLR | NC | | | 10.00 | | | 23 | 13 | 20 | 65 | 7 | 30 | 29.88 | 29.97 | | | |
| 07 | OVC | 050 | | | 10.00 | | 37 | 32 | | | | 07 | CLR | NC | | | 10.00 | | | 23 | 13 | 20 | 65 | 6 | 23 | 29.91 | 29.99 | | | |
| 10 | OVC | 055 | | | 10.00 | | 41 | 32 | | | | 10 | CLR | NC | | | 10.00 | | | 30 | 15 | 25 | 54 | 12 | 29 | 29.94 | 30.03 | | | |
| 13 | OVC | 050 | | | 10.00 | | 44 | 30 | | | | 13 | CLR | NC | | | 10.00 | | | 34 | 14 | 28 | 44 | 6 | 33 | 29.86 | 29.95 | | | |
| 16 | CLR | NC | | | 10.00 | | 43 | 27 | | | | 16 | CLR | NC | | | 10.00 | | | 34 | 16 | 28 | 48 | 7 | 22 | 29.85 | 29.93 | | | |
| 19 | CLR | NC | | | 10.00 | | 38 | 27 | | | | 19 | OVC | 070 | | | 10.00 | | | 33 | 19 | 28 | 56 | 8 | 18 | 29.91 | 29.99 | | | |
| 22 | CLR | NC | | | 10.00 | | 33 | 28 | | | | 22 | OVC | 060 | | | 10.00 | | | 33 | 23 | 29 | 67 | 8 | 17 | 29.91 | 30.00 | | | |
| SUNRISE: 0721 JAN 02 | | | | | | SUNSET: 1648 | | | | | | SUNRISE: 0721 JAN 08 | | | | | | SUNSET: 1653 | | | | | | | | | | | | |
| 01 | BKN | 120 | | | 10.00 | | 34 | 29 | | | | 01 | OVC | 060 | | | 10.00 | | | 34 | 25 | 31 | 70 | 7 | 17 | 29.88 | 29.96 | | | |
| 04 | CLR | NC | | | 10.00 | | 31 | 29 | | | | 04 | OVC | 070 | | | 10.00 | | | 34 | 26 | 31 | 73 | 6 | 19 | 29.88 | 29.96 | | | |
| 07 | CLR | NC | | | 10.00 | | 32 | 29 | | | | 07 | OVC | 075 | | | 10.00 | | | 35 | 26 | 32 | 70 | 6 | 25 | 29.93 | 30.01 | | | |
| 10 | CLR | NC | | | 10.00 | | 38 | 33 | | | | 10 | OVC | 065 | | | 10.00 | | | 39 | 26 | 34 | 60 | 7 | 24 | 30.03 | 30.12 | | | |
| 13 | OVC | 060 | | | 7.00 | RA | 42 | 38 | | | | 13 | CLR | NC | | | 10.00 | | | 46 | 26 | 38 | 46 | 3 | 36 | 29.99 | 30.08 | | | |
| 16 | OVC | 065 | | | 9.00 | | 42 | 40 | | | | 16 | FEW | 085 | | | 10.00 | | | 46 | 28 | 39 | 50 | 5 | 09 | 29.98 | 30.07 | | | |
| 19 | OVC | 025 | | | 6.00 | RA BR | 41 | 39 | | | | 19 | CLR | NC | | | 10.00 | | | 38 | 31 | 35 | 76 | 7 | 17 | 29.98 | 30.07 | | | |
| 22 | OVC | 009 | | | 9.00 | -RA | 43 | 42 | | | | 22 | CLR | NC | | | 10.00 | | | 40 | 34 | 37 | 79 | 10 | 14 | 29.96 | 30.05 | | | |
| SUNRISE: 0721 JAN 03 | | | | | | SUNSET: 1648 | | | | | | SUNRISE: 0721 JAN 09 | | | | | | SUNSET: 1654 | | | | | | | | | | | | |
| 01 | OVC | 016 | | | 10.00 | -RA | 44 | 42 | | | | 01 | CLR | NC | | | 10.00 | | | 40 | 35 | 38 | 82 | 5 | 13 | 29.88 | 29.97 | | | |
| 04 | OVC | 009 | | | 10.00 | | 45 | 43 | | | | 04 | CLR | NC | | | 10.00 | | | 40 | 35 | 38 | 82 | 5 | 16 | 29.85 | 29.93 | | | |
| 07 | OVC | 011 | | | 10.00 | | 43 | 40 | | | | 07 | CLR | NC | | | 10.00 | | | 38 | 35 | 37 | 89 | 0 | 00 | 29.86 | 29.95 | | | |
| 10 | OVC | 011 | | | 10.00 | | 40 | 37 | | | | 10 | CLR | NC | | | 10.00 | | | 52 | 37 | 45 | 57 | 14 | 22 | 29.91 | 30.00 | | | |
| 13 | OVC | 012 | | | 10.00 | | 40 | 37 | 39 | 89 | 18 | 01 | 29.72 | 29.80 | | | 10.00 | | | 56 | 39 | 48 | 53 | 10 | 22 | 29.90 | 29.98 | | | |
| 16 | OVC | 016 | | | 10.00 | | 39 | 36 | 38 | 89 | 17 | 01 | 29.82 | 29.89 | | | 10.00 | | | 57 | 41 | 49 | 55 | 13 | 22 | 29.94 | 30.03 | | | |
| 19 | OVC | 021 | | | 8.00 | | 38 | 35 | 37 | 89 | 13 | 01 | 29.91 | 30.00 | | | 10.00 | | | 51 | 41 | 46 | 69 | 7 | 27 | 30.06 | 30.14 | | | |
| 22 | OVC | 019 | | | 10.00 | | 37 | 34 | 36 | 89 | 8 | 36 | 29.96 | 30.04 | | | 10.00 | | | 47 | 34 | 41 | 61 | 12 | 32 | 30.17 | 30.25 | | | |
| SUNRISE: 0721 JAN 04 | | | | | | SUNSET: 1649 | | | | | | SUNRISE: 0720 JAN 10 | | | | | | SUNSET: 1655 | | | | | | | | | | | | |
| 01 | OVC | 018 | | | 10.00 | | 36 | 32 | 34 | 85 | 7 | 33 | 29.96 | 30.04 | | | 10.00 | | | 41 | 31 | 37 | 68 | 8 | 33 | 30.23 | 30.31 | | | |
| 04 | OVC | 045 | | | 10.00 | | 36 | 32 | 34 | 85 | 7 | 35 | 29.98 | 30.06 | | | 10.00 | | | 39 | 29 | 35 | 67 | 6 | 30 | 30.31 | 30.40 | | | |
| 07 | OVC | 045 | | | 10.00 | | 36 | 30 | 34 | 79 | 7 | 02 | 29.99 | 30.08 | | | 10.00 | | | 34 | 28 | 32 | 79 | 5 | 28 | 30.38 | 30.46 | | | |
| 10 | OVC | 041 | | | 10.00 | | 37 | 29 | 34 | 73 | 7 | 03 | 29.99 | 30.08 | | | 10.00 | | | 44 | 30 | 38 | 58 | 14 | 33 | 30.44 | 30.53 | | | |
| 13 | OVC | 039 | | | 10.00 | | 39 | 29 | 35 | 67 | 3 | 12 | 29.88 | 29.96 | | | 10.00 | | | 48 | 28 | 40 | 46 | 0 | 00 | 30.39 | 30.48 | | | |
| 16 | SCT | 038 | | | 10.00 | | 40 | 32 | 37 | 73 | 10 | 14 | 29.82 | 29.90 | | | 10.00 | | | 47 | 29 | 40 | 50 | 5 | 16 | 30.37 | 30.46 | | | |
| 19 | OVC | 011 | | | 10.00 | | 38 | 34 | 36 | 86 | 12 | 14 | 29.80 | 29.89 | | | 10.00 | | | 40 | 33 | 37 | 76 | 10 | 15 | 30.37 | 30.47 | | | |
| 22 | OVC | 007 | | | 4.00 | -RA BR | 38 | 36 | 37 | 93 | 8 | 16 | 29.75 | 29.84 | | | 10.00 | | | 38 | 33 | 36 | 82 | 6 | 15 | 30.37 | 30.45 | | | |
| SUNRISE: 0721 JAN 05 | | | | | | SUNSET: 1650 | | | | | | SUNRISE: 0720 JAN 11 | | | | | | SUNSET: 1656 | | | | | | | | | | | | |
| 01 | OVC | 003 | | | 2.50 | BR | 38 | 38 | 38 | 100 | 7 | 16 | 29.69 | 29.77 | | | 9.00 | | | 36 | 33 | 35 | 89 | 0 | 00 | 30.32 | 30.40 | | | |
| 04 | VV | 001 | | | 0.50 | FG | 39 | 38 | 39 | 96 | 3 | 17 | 29.65 | 29.73 | | | 7.00 | | | 36 | 34 | 35 | 92 | 3 | 02 | 30.27 | 30.35 | | | |
| 07 | OVC | 001 | | | 4.00 | BR | 40 | 40 | 40 | 100 | 7 | 26 | 29.65 | 29.73 | | | 7.00 | | | 40 | 37 | 39 | 89 | 3 | 36 | 30.20 | 30.29 | | | |
| 10 | BKN | 003 | | | 2.00 | BR | 43 | 42 | 43 | 96 | 3 | 25 | 29.67 | 29.76 | | | 8.00 | | | 44 | 39 | 42 | 83 | 6 | 14 | 30.15 | 30.24 | | | |
| 13 | CLR | NC | | | 10.00 | | 51 | 35 | 44 | 54 | 20 | 28 | 29.61 | 29.69 | | | 8.00 | | | 50 | 46 | 48 | 86 | 9 | 16 | 30.01 | 30.09 | | | |
| 16 | CLR | NC | | | 10.00 | | 47 | 32 | 41 | 56 | 13 | 29 | 29.62 | 29.71 | | | 0.75 | BR | | 49 | 48 | 48 | 96 | 7 | 18 | 29.94 | 30.03 | | | |
| 19 | CLR | NC | | | 10.00 | | 42 | 30 | 37 | 63 | 5 | 25 | 29.65 | 29.74 | | | 0.50 | -RA FG | | 47 | 47 | 47 | 100 | 5 | 16 | 29.86 | 29.95 | | | |
| 22 | OVC | 055 | | | 10.00 | | 39 | 31 | 36 | 73 | 7 | 23 | 29.67 | 29.75 | | | 6.00 | BR | | 50 | 49 | 49 | 96 | 12 | 23 | 29.85 | 29.94 | | | |
| SUNRISE: 0721 JAN 06 | | | | | | SUNSET: 1651 | | | | | | SUNRISE: 0720 JAN 12 | | | | | | SUNSET: 1657 | | | | | | | | | | | | |
| 01 | OVC | 060 | | | 10.00 | | 39 | 32 | 36 | 76 | 9 | 32 | 29.62 | 29.71 | | | 0.50 | FG | | 48 | 47 | 48 | 96 | 6 | 22 | 29.88 | 29.96 | | | |
| 04 | OVC | 070 | | | 10.00 | | 38 | 32 | 36 | 79 | 0 | 00 | 29.62 | 29.71 | | | 3.00 | BR | | 42 | 42 | 42 | 100 | 8 | 31 | 29.91 | 29.99 | | | |
| 07 | OVC | 043 | | | 10.00 | | 40 | 32 | 37 | 73 | 9 | 34 | 29.65 | 29.74 | | | 10.00 | | | 43 | 38 | 41 | 83 | 6 | 26 | 29.94 | 30.03 | | | |
| 10 | OVC | 085 | | | 10.00 | | 40 | 28 | 35 | 62 | 14 | 33 | 29.70 | 29.78 | | | 10.00 | | | 49 | 39 | 44 | 69 | 5 | 25 | 30.01 | 30.09 | | | |
| 13 | BKN | 047 | | | 10.00 | | 42 | 24 | 35 | 49 | 15 | 33 | 29.65 | 29.73 | | | 10.00 | | | 54 | 40 | 47 | 59 | 8 | 14 | 29.94 | 30.03 | | | |
| 16 | OVC | 047 | | | 10.00 | | 39 | 23 | 33 | 53 | 17 | 32 | 29.69 | 29.77 | | | 10.00 | | | 57 | 38 | 48 | 49 | 9 | 21 | 29.94 | 30.03 | | | |
| 19 | OVC | 055 | | | 10.00 | | 35 | 26 | 32 | 70 | 13 | 30 | 29.75 | 29.83 | | | 10.00 | | | 45 | 39 | 42 | 80 | 8 | 16 | 29.96 | 30.04 | | | |
| 22 | OVC | 047 | | | 10.00 | | 33 | 20 | 29 | 59 | 15 | 28 | 29.80 | 29.88 | | | 10.00 | | | 38 | 37 | 38 | 96 | 0 | 00 | 29.96 | 30.05 | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2006 KILG

WBAN # 13781

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | | HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | VISIBILITY (MILES) | WEATHER | TEMPERATURE °F | | | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | | | | | | | | | | | | | | | | | | | |
|---------------|-----------|-------------------------|---------------------------|----------------------|-----------------------|---------|-------------------|-----------|----------|---|----------------------------|---------|------------|-----------|-------------------------|--------------|---------------------------|-----------------------|---------|----------------------|----------|---------------|---|--------------------------|----------------------------|-------------|--------------------------|---------|--------------|---------------------------|----------------------|----------|-----------|----------|----------------------------|-------------|--------------------------|--------------|--------------|--|--|--|--|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | | DRY BULB | DEW POINT | WET BULB | | RELATIVE HUMIDITY (PCT) | STATION | | | | SEA LEVEL | 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 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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: 0720 | | | | | | | | | | | | | JAN 13 | | | SUNSET: 1658 | | | | | | SUNRISE: 0717 | | | | | | | | | | | | | JAN 19 | | | SUNSET: 1705 | | | | | |
| 01 | CLR | NC | | | 4.00 | BR | 36 | 36 | 36 | 100 | 0 | 00 | 29.93 | 30.02 | 01 | CLR | NC | | | 10.00 | | | 35 | 21 | 30 | 57 | 10 | 23 | 30.06 | 30.14 | | | | | | | | | | | | | |
| 04 | OVC | 007 | | | 0.25 | FG | 35 | 34 | 35 | 96 | 5 | 18 | 29.93 | 30.01 | 04 | CLR | NC | | | 10.00 | | | 33 | 19 | 28 | 56 | 10 | 23 | 30.16 | 30.25 | | | | | | | | | | | | | |
| 07 | VV | 001 | | | 0.25 | FG | 41 | 41 | 41 | 100 | 0 | 00 | 29.91 | 30.00 | 07 | CLR | NC | | | 10.00 | | | 32 | 20 | 28 | 61 | 5 | 19 | 30.22 | 30.32 | | | | | | | | | | | | | |
| 10 | VV | 001 | | | 0.25 | FG | 44 | 44 | 44 | 100 | 6 | 17 | 29.91 | 30.00 | 10 | CLR | NC | | | 10.00 | | | 37 | 24 | 32 | 59 | 6 | 29 | 30.29 | 30.38 | | | | | | | | | | | | | |
| 13 | VV | 001 | | | 0.25 | FG | 47 | 46 | 47 | 96 | 3 | 16 | 29.82 | 29.90 | 13 | CLR | NC | | | 10.00 | | | 42 | 27 | 36 | 55 | 6 | 17 | 30.22 | 30.31 | | | | | | | | | | | | | |
| 16 | VV | 001 | | | 0.50 | FG | 50 | 50 | 50 | 100 | 6 | 06 | 29.73 | 29.81 | 16 | CLR | NC | | | 10.00 | | | 50 | 27 | 41 | 41 | 10 | 18 | 30.19 | 30.28 | | | | | | | | | | | | | |
| 19 | CLR | NC | | | 4.00 | BR | 48 | 47 | 48 | 96 | 0 | 00 | 29.67 | 29.75 | 19 | CLR | NC | | | 10.00 | | | 42 | 30 | 37 | 63 | 9 | 13 | 30.17 | 30.26 | | | | | | | | | | | | | |
| 22 | OVC | 005 | | | 1.25 | BR | 47 | 46 | 47 | 96 | 5 | 17 | 29.56 | 29.64 | 22 | CLR | NC | | | 10.00 | | | 40 | 29 | 36 | 65 | 3 | VR | 30.17 | 30.26 | | | | | | | | | | | | | |
| SUNRISE: 0719 | | | | | | | | | | | | | JAN 14 | | | SUNSET: 1659 | | | | | | SUNRISE: 0717 | | | | | | | | | | | | | JAN 20 | | | SUNSET: 1706 | | | | | |
| 01 | VV | 001 | | | 0.50 | FG | 52 | 52 | 52 | 100 | 12 | 15 | 29.41 | 29.49 | 01 | CLR | NC | | | 10.00 | | | 39 | 31 | 36 | 73 | 10 | 16 | 30.11 | 30.20 | | | | | | | | | | | | | |
| 04 | OVC | 075 | | | 10.00 | -RA | 55 | 55 | 55 | 100 | 13 | 16 | 29.25 | 29.33 | 04 | CLR | NC | | | 10.00 | | | 35 | 32 | 34 | 89 | 6 | 16 | 30.12 | 30.21 | | | | | | | | | | | | | |
| 07 | OVC | 013 | | | 10.00 | | 52 | 51 | 51 | 96 | 7 | 13 | 29.19 | 29.26 | 07 | CLR | NC | | | 10.00 | | | 31 | 29 | 30 | 92 | 0 | 00 | 30.14 | 30.22 | | | | | | | | | | | | | |
| 10 | OVC | 001 | | | 0.25 | -RA BR | 50 | 49 | 49 | 96 | 9 | 14 | 29.17 | 29.25 | 10 | CLR | NC | | | 10.00 | | | 44 | 34 | 40 | 68 | 5 | 22 | 30.15 | 30.24 | | | | | | | | | | | | | |
| 13 | OVC | 025 | | | 10.00 | | 53 | 48 | 50 | 83 | 15 | 30 | 29.09 | 29.17 | 13 | CLR | NC | | | 10.00 | | | 53 | 34 | 44 | 49 | 12 | 23 | 30.09 | 30.18 | | | | | | | | | | | | | |
| 16 | OVC | 017 | | | 10.00 | | 49 | 44 | 47 | 83 | 30 | 32 | 29.11 | 29.19 | 16 | CLR | NC | | | 10.00 | | | 56 | 36 | 47 | 47 | 10 | 18 | 30.09 | 30.18 | | | | | | | | | | | | | |
| 19 | OVC | 065 | | | 10.00 | | 39 | 30 | 35 | 70 | 24 | 32 | 29.19 | 29.27 | 19 | CLR | NC | | | 10.00 | | | 49 | 35 | 43 | 59 | 0 | 00 | 30.10 | 30.19 | | | | | | | | | | | | | |
| 22 | OVC | 065 | | | 10.00 | | 35 | 26 | 32 | 70 | 18 | 31 | 29.28 | 29.36 | 22 | CLR | NC | | | 10.00 | | | 44 | 36 | 41 | 74 | 5 | 15 | 30.09 | 30.18 | | | | | | | | | | | | | |
| SUNRISE: 0719 | | | | | | | | | | | | | JAN 15 | | | SUNSET: 1700 | | | | | | SUNRISE: 0716 | | | | | | | | | | | | | JAN 21 | | | SUNSET: 1707 | | | | | |
| 01 | OVC | 075 | | | 10.00 | | 32 | 19 | 28 | 59 | 35 | 31 | 29.33 | 29.41 | 01 | CLR | NC | | | 10.00 | | | 39 | 35 | 37 | 86 | 3 | 14 | 30.04 | 30.13 | | | | | | | | | | | | | |
| 04 | OVC | 090 | | | 10.00 | | 29 | 12 | 24 | 49 | 26 | 31 | 29.44 | 29.52 | 04 | CLR | NC | | | 10.00 | | | 37 | 33 | 35 | 86 | 3 | 14 | 29.98 | 30.07 | | | | | | | | | | | | | |
| 07 | CLR | NC | | | 10.00 | | 25 | 6 | 20 | 44 | 26 | 31 | 29.53 | 29.61 | 07 | CLR | NC | | | 10.00 | | | 43 | 35 | 40 | 73 | 10 | 21 | 29.94 | 30.03 | | | | | | | | | | | | | |
| 10 | CLR | NC | | | 10.00 | | 29 | 3 | 22 | 33 | 20 | 32 | 29.61 | 29.69 | 10 | CLR | NC | | | 10.00 | | | 52 | 40 | 46 | 64 | 13 | 20 | 29.96 | 30.04 | | | | | | | | | | | | | |
| 13 | CLR | NC | | | 10.00 | | 33 | 3 | 25 | 28 | 28 | 31 | 29.59 | 29.67 | 13 | BKN | 110 | | | 10.00 | | | 59 | 43 | 51 | 56 | 15 | 23 | 29.91 | 29.99 | | | | | | | | | | | | | |
| 16 | CLR | NC | | | 10.00 | | 35 | 2 | 26 | 24 | 28 | 32 | 29.65 | 29.73 | 16 | OVC | 080 | | | 10.00 | | | 60 | 44 | 52 | 56 | 13 | 24 | 29.96 | 30.05 | | | | | | | | | | | | | |
| 19 | CLR | NC | | | 10.00 | | 31 | 2 | 23 | 29 | 20 | 31 | 29.72 | 29.80 | 19 | CLR | NC | | | 10.00 | | | 50 | 30 | 42 | 46 | 26 | 30 | 30.19 | 30.28 | | | | | | | | | | | | | |
| 22 | CLR | NC | | | 10.00 | | 29 | 2 | 22 | 31 | 18 | 30 | 29.78 | 29.86 | 22 | CLR | NC | | | 10.00 | | | 41 | 24 | 35 | 51 | 12 | 33 | 30.36 | 30.45 | | | | | | | | | | | | | |
| SUNRISE: 0719 | | | | | | | | | | | | | JAN 16 | | | SUNSET: 1701 | | | | | | SUNRISE: 0715 | | | | | | | | | | | | | JAN 22 | | | SUNSET: 1708 | | | | | |
| 01 | CLR | NC | | | 10.00 | | 27 | -0 | 20 | 31 | 15 | 30 | 29.82 | 29.90 | 01 | CLR | NC | | | 10.00 | | | 32 | 23 | 29 | 69 | 9 | 30 | 30.43 | 30.51 | | | | | | | | | | | | | |
| 04 | CLR | NC | | | 10.00 | | 26 | 1 | 20 | 34 | 12 | 31 | 29.88 | 29.96 | 04 | CLR | NC | | | 10.00 | | | 30 | 20 | 27 | 66 | 5 | 33 | 30.47 | 30.56 | | | | | | | | | | | | | |
| 07 | CLR | NC | | | 10.00 | | 24 | 2 | 19 | 38 | 10 | 33 | 29.90 | 29.98 | 07 | CLR | NC | | | 10.00 | | | 28 | 19 | 25 | 69 | 5 | 33 | 30.53 | 30.62 | | | | | | | | | | | | | |
| 10 | CLR | NC | | | 10.00 | | 27 | 1 | 20 | 32 | 9 | 36 | 29.93 | 30.02 | 10 | CLR | NC | | | 10.00 | | | 37 | 20 | 31 | 50 | 10 | 36 | 30.62 | 30.71 | | | | | | | | | | | | | |
| 13 | BKN | 110 | | | 10.00 | | 31 | 3 | 23 | 30 | 6 | VR | 29.88 | 29.97 | 13 | CLR | NC | | | 10.00 | | | 42 | 18 | 34 | 38 | 7 | 10 | 30.56 | 30.65 | | | | | | | | | | | | | |
| 16 | OVC | 100 | | | 10.00 | | 33 | 3 | 25 | 28 | 0 | 00 | 29.88 | 29.97 | 16 | CLR | NC | | | 10.00 | | | 44 | 21 | 35 | 40 | 7 | 07 | 30.50 | 30.59 | | | | | | | | | | | | | |
| 19 | CLR | NC | | | 10.00 | | 29 | 9 | 23 | 43 | 5 | 26 | 29.91 | 30.01 | 19 | OVC | 070 | | | 10.00 | | | 40 | 28 | 35 | 62 | 10 | 16 | 30.48 | 30.58 | | | | | | | | | | | | | |
| 22 | OVC | 080 | | | 10.00 | | 29 | 13 | 24 | 51 | 3 | 04 | 29.93 | 30.01 | 22 | OVC | 050 | | | 10.00 | | | 37 | 25 | 33 | 62 | 9 | 09 | 30.41 | 30.50 | | | | | | | | | | | | | |
| SUNRISE: 0718 | | | | | | | | | | | | | JAN 17 | | | SUNSET: 1703 | | | | | | SUNRISE: 0715 | | | | | | | | | | | | | JAN 23 | | | SUNSET: 1709 | | | | | |
| 01 | CLR | NC | | | 10.00 | | 28 | 11 | 23 | 49 | 3 | 04 | 29.94 | 30.03 | 01 | OVC | 031 | | | 10.00 | -RA | | 35 | 32 | 34 | 89 | 14 | 03 | 30.30 | 30.39 | | | | | | | | | | | | | |
| 04 | CLR | NC | | | 10.00 | | 28 | 17 | 25 | 63 | 6 | 04 | 29.99 | 30.08 | 04 | OVC | 022 | | | 5.00 | RA BR | | 37 | 36 | 37 | 96 | 12 | 02 | 30.14 | 30.23 | | | | | | | | | | | | | |
| 07 | OVC | 055 | | | 10.00 | | 31 | 16 | 26 | 54 | 3 | 10 | 30.02 | 30.11 | 07 | OVC | 011 | | | 10.00 | -RA | | 40 | 38 | 39 | 93 | 12 | 03 | 29.99 | 30.08 | | | | | | | | | | | | | |
| 10 | SCT | 050 | | | 10.00 | | 32 | 13 | 26 | 45 | 9 | 05 | 30.06 | 30.14 | 10 | OVC | 016 | | | 4.00 | BR | | 40 | 38 | 39 | 93 | 6 | 27 | 29.96 | 30.04 | | | | | | | | | | | | | |
| 13 | OVC | 049 | | | 10.00 | -RA | 35 | 18 | 29 | 50 | 5 | 13 | 30.07 | 30.16 | 13 | OVC | 006 | | | 10.00 | | | 41 | 39 | 40 | 93 | 8 | 25 | 29.90 | 29.98 | | | | | | | | | | | | | |
| 16 | OVC | 036 | | | 10.00 | | 40 | 28 | 35 | 62 | 14 | 08 | 29.93 | 30.02 | 16 | OVC | 016 | | | 10.00 | | | 42 | 38 | 40 | 86 | 9 | 28 | 29.88 | 29.97 | | | | | | | | | | | | | |
| 19 | OVC | 075 | | | 10.00 | | 43 | 35 | 40 | 73 | 12 | 07 | 29.91 | 29.99 | 19 | OVC | 014 | | | 8.00 | | | 40 | 37 | 39 | 89 | 9 | 27 | 29.91 | 30.00 | | | | | | | | | | | | | |
| 22 | OVC | 024 | | | 10.00 | | 46 | 42 | 44 | 86 | 9 | 06 | 29.83 | 29.92 | 22 | SCT | 070 | | | 10.00 | | | 38 | 35 | 37 | 89 | 7 | 30 | 29.91 | 30.00 | | | | | | | | | | | | | |
| SUNRISE: 0718 | | | | | | | | | | | | | JAN 18 | | | SUNSET: 1704 | | | | | | SUNRISE: 0714 | | | | | | | | | | | | | JAN 24 | | | SUNSET: 1711 | | | | | |
| 01 | CLR | NC | | | 10.00 | | 57 | 54 | 55 | 90 | 28 | 14 | 29.65 | 29.72 | 01 | CLR | NC | | | 10.00 | | | 37 | 33 | 35 | 86 | 0 | 00 | 29.90 | 29.98 | | | | | | | | | | | | | |
| 04 | OVC | 033 | | | 10.00 | | 57 | 54 | 55 | 90 | 25 | 15 | 29.52 | 29.59 | 04 | CLR | NC | | | 10.00 | | | 34 | 31 | 33 | 89 | 3 | 20 | 29.90 | 29.98 | | | | | | | | | | | | | |
| 07 | OVC | 049 | | | 10.00 | -RA | 58 | 56 | 57 | 93 | 18 | 21 | 29.44 | 29.51 | 07 | CLR | NC | | | 7.00 | | | 30 | 28 | 29 | 92 | 6 | 26 | 29.88 | 29.97 | | | | | | | | | | | | | |
| 10 | OVC | 055 | | | 7.00 | RA | 53 | 51 | 52 | 93 | 18 | 19 | 29.41 | 29.49 | 10 | CLR | NC | | | 10.00 | | | 39 | 33 | 37 | 79 | 8 | 25 | 29.90 | 29.98 | | | | | | | | | | | | | |
| 13 | BKN | 044 | | | 10.00 | | 45 | 37 | 41 | 74 | 25 | 27 | 29.49 | 29.58 | 13 | CLR | NC | | | 10.00 | | | 46 | 24 | 37 | 42 | 8 | 23 | 29.78 | 29.87 | | | | | | | | | | | | | |
| 16 | BKN | 055 | | | 10.00 | | 42 | 21 | 34 | 43 | 25 | 26 | 29.72 | 29.80 | 16 | CLR | NC | | | 10.00 | | | 46 | 28 | 39 | 50 | 10 | 20 | 29.69 | 29.77 | | | | | | | | | | | | | |
| 19 | CLR | NC | | | 10.00 | | 37 | 19 | 31 | 48 | 18 | 24 | 29.90 | 29.98 | 19 | SCT | 110 | | | 10.00 | | | 40 | 31 | 36 | 70 | 8 | 17 | 29.64 | 29.72 | | | | | | | | | | | | | |
| 22 | CLR | NC | | | 10.00 | | 36 | 19 | 30 | 50 | 14 | 24 | 29.99 | 30.08 | 22 | BKN | 100 | | | 10.00 | | | 39 | 29 | 35 | 67 | 5 | 17 | 29.57 | 29.65 | | | | | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2006
KILG

WBAN # 13781

| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | | | |
|--|-----------|-------------------------|---------------------------|----------------------|---------|-----------------------|----------|-----------|---|--------------------------|----------------------------|---------|--------------|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | RELATIVE HUMIDITY (PCT) | STATION | SEA LEVEL |
| | | | | | | | | | | | | | |
| SUNRISE: 0713 JAN 25 SUNSET: 1712 | | | | | | | | | | | | | |
| 01 | OVC | 100 | | | | 35 | 33 | 34 | 92 | 6 | 20 | 29.59 | 29.67 |
| 04 | CLR | NC | | | | 34 | 32 | 33 | 92 | 8 | 24 | 29.57 | 29.66 |
| 07 | CLR | NC | | | | 36 | 29 | 33 | 76 | 13 | 24 | 29.59 | 29.68 |
| 10 | CLR | NC | | | | 39 | 31 | 36 | 73 | 18 | 27 | 29.65 | 29.74 |
| 13 | OVC | 055 | | | | 39 | 23 | 33 | 53 | 23 | 27 | 29.67 | 29.75 |
| 16 | OVC | 050 | | | | 39 | 24 | 33 | 55 | 26 | 28 | 29.72 | 29.80 |
| 19 | CLR | NC | | | | 36 | 19 | 30 | 50 | 23 | 28 | 29.80 | 29.88 |
| 22 | CLR | NC | | | | 33 | 18 | 28 | 54 | 22 | 29 | 29.86 | 29.95 |
| SUNRISE: 0713 JAN 26 SUNSET: 1713 | | | | | | | | | | | | | |
| 01 | SCT | 046 | | | | 32 | 16 | 27 | 52 | 22 | 29 | 29.93 | 30.01 |
| 04 | CLR | NC | | | | 30 | 14 | 25 | 51 | 18 | 30 | 29.96 | 30.05 |
| 07 | CLR | NC | | | | 28 | 13 | 24 | 53 | 22 | 30 | 30.02 | 30.11 |
| 10 | CLR | NC | | | | 31 | 10 | 25 | 41 | 24 | 32 | 30.15 | 30.24 |
| 13 | CLR | NC | | | | 35 | 11 | 28 | 37 | 21 | 32 | 30.17 | 30.26 |
| 16 | CLR | NC | | | | 36 | 13 | 29 | 39 | 23 | 31 | 30.22 | 30.31 |
| 19 | CLR | NC | | | | 31 | 13 | 26 | 47 | 10 | 31 | 30.31 | 30.40 |
| 22 | CLR | NC | | | | 30 | 10 | 24 | 43 | 14 | 32 | 30.39 | 30.47 |
| SUNRISE: 0712 JAN 27 SUNSET: 1714 | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | 27 | 9 | 22 | 47 | 10 | 32 | 30.44 | 30.53 |
| 04 | CLR | NC | | | | 24 | 7 | 20 | 48 | 9 | 32 | 30.48 | 30.57 |
| 07 | CLR | NC | | | | 22 | 7 | 18 | 52 | 6 | 32 | 30.52 | 30.61 |
| 10 | CLR | NC | | | | 32 | 9 | 25 | 38 | 7 | 33 | 30.53 | 30.62 |
| 13 | CLR | NC | | | | 41 | 4 | 30 | 21 | 6 | 25 | 30.46 | 30.55 |
| 16 | CLR | NC | | | | 44 | 9 | 33 | 24 | 7 | 24 | 30.40 | 30.49 |
| 19 | CLR | NC | | | | 36 | 11 | 28 | 35 | 5 | 21 | 30.41 | 30.50 |
| 22 | CLR | NC | | | | 33 | 15 | 27 | 48 | 5 | 22 | 30.39 | 30.48 |
| SUNRISE: 0711 JAN 28 SUNSET: 1715 | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | 31 | 19 | 27 | 61 | 3 | 17 | 30.33 | 30.42 |
| 04 | CLR | NC | | | | 30 | 21 | 27 | 69 | 5 | 17 | 30.28 | 30.37 |
| 07 | CLR | NC | | | | 29 | 22 | 27 | 75 | 0 | 00 | 30.27 | 30.37 |
| 10 | CLR | NC | | | | 41 | 20 | 33 | 43 | 8 | 23 | 30.25 | 30.34 |
| 13 | CLR | NC | | | | 56 | 23 | 42 | 28 | 12 | 25 | 30.15 | 30.24 |
| 16 | CLR | NC | | | | 57 | 25 | 44 | 29 | 9 | 21 | 30.10 | 30.19 |
| 19 | CLR | NC | | | | 47 | 27 | 39 | 46 | 6 | 18 | 30.11 | 30.20 |
| 22 | SCT | 110 | | | | 45 | 26 | 37 | 47 | 5 | 22 | 30.10 | 30.19 |
| SUNRISE: 0710 JAN 29 SUNSET: 1716 | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | 38 | 27 | 34 | 65 | 3 | 12 | 30.04 | 30.13 |
| 04 | CLR | NC | | | | 33 | 27 | 31 | 79 | 0 | 00 | 29.98 | 30.07 |
| 07 | CLR | NC | | | | 35 | 28 | 32 | 76 | 3 | 15 | 29.93 | 30.02 |
| 10 | CLR | NC | | | | 43 | 34 | 39 | 71 | 9 | 15 | 29.91 | 29.99 |
| 13 | OVC | 065 | | | | 47 | 45 | 46 | 93 | 9 | 14 | 29.75 | 29.83 |
| 16 | OVC | 046 | | | -RA BR | 48 | 45 | 47 | 89 | 12 | 16 | 29.62 | 29.70 |
| 19 | CLR | NC | | | | 53 | 48 | 50 | 83 | 13 | 19 | 29.62 | 29.70 |
| 22 | CLR | NC | | | | 52 | 47 | 49 | 83 | 9 | 20 | 29.62 | 29.71 |
| SUNRISE: 0709 JAN 30 SUNSET: 1718 | | | | | | | | | | | | | |
| 01 | CLR | NC | | | | 44 | 44 | 44 | 100 | 0 | 00 | 29.67 | 29.75 |
| 04 | VV | 001 | | | FG | 38 | 38 | 38 | 100 | 5 | 18 | 29.67 | 29.75 |
| 07 | OVC | 009 | | | BR | 36 | 36 | 36 | 100 | 3 | 17 | 29.72 | 29.80 |
| 10 | VV | 001 | | | FG | 43 | 42 | 43 | 96 | 3 | 18 | 29.75 | 29.83 |
| 13 | FEW | 001 | | | BR | 49 | 47 | 48 | 93 | 3 | 10 | 29.70 | 29.79 |
| 16 | BKN | 080 | | | | 58 | 47 | 52 | 67 | 0 | 00 | 29.67 | 29.75 |
| 19 | CLR | NC | | | | 45 | 43 | 44 | 93 | 12 | 17 | 29.65 | 29.73 |
| 22 | VV | 001 | | | FG | 46 | 45 | 46 | 96 | 5 | 01 | 29.62 | 29.70 |

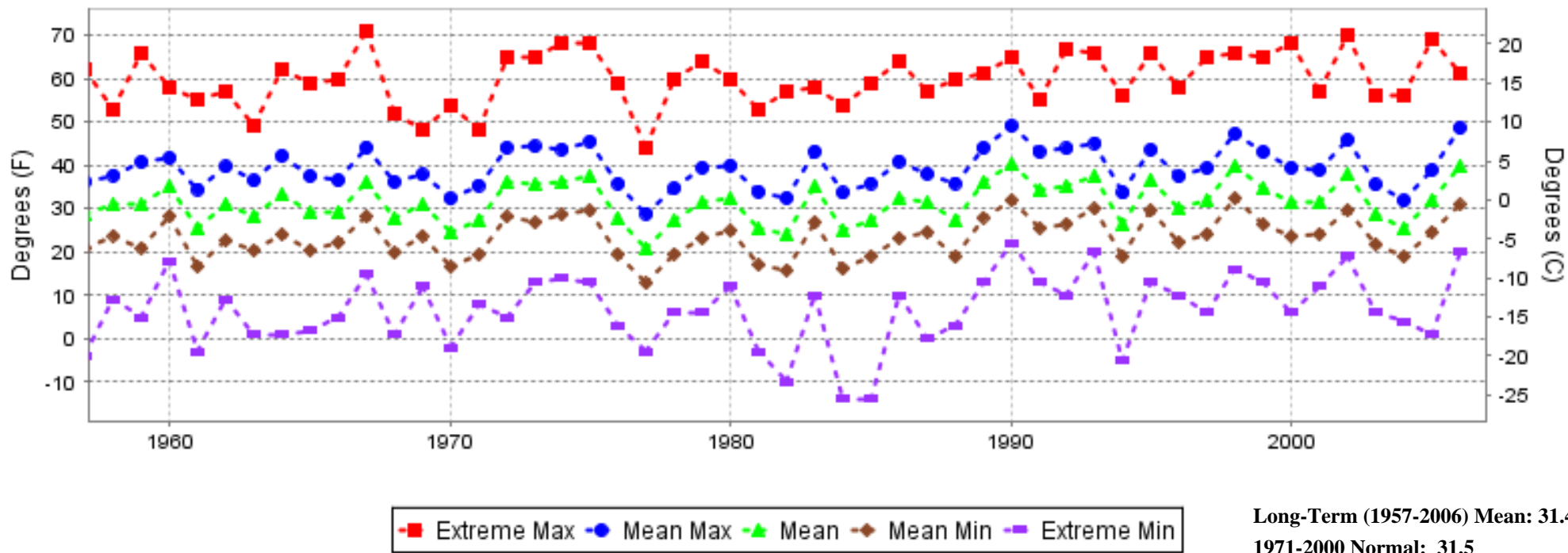
| HOUR (LST) | SKY COVER | CEILING 100's of FT. | SATELLITE | | WEATHER | TEMPERATURE °F | | | WIND SPEED (MPH) DIRECTION Tens of Deg | PRESSURE (INCHES, HG) | | | |
|--|-----------|-------------------------|---------------------------|----------------------|-------------|-----------------------|----------|-----------|---|--------------------------|----------------------------|---------|--------------|
| | | | Observation Time (LST) | Eff Cld Amt Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | RELATIVE HUMIDITY (PCT) | STATION | SEA LEVEL |
| | | | | | | | | | | | | | |
| SUNRISE: 0708 JAN 31 SUNSET: 1719 | | | | | | | | | | | | | |
| 01 | OVC | 003 | | | 3.00 -RA BR | 47 | 46 | 47 | 96 | 13 | 04 | 29.56 | 29.64 |
| 04 | OVC | 005 | | | 9.00 | 44 | 43 | 44 | 96 | 15 | 04 | 29.54 | 29.63 |
| 07 | OVC | 007 | | | 9.00 | 42 | 40 | 41 | 93 | 10 | 04 | 29.54 | 29.62 |
| 10 | OVC | 012 | | | 9.00 -RA | 42 | 38 | 40 | 86 | 12 | 34 | 29.56 | 29.64 |
| 13 | OVC | 019 | | | 10.00 | 44 | 37 | 41 | 77 | 17 | 32 | 29.57 | 29.65 |
| 16 | OVC | 029 | | | 10.00 | 44 | 33 | 39 | 65 | 23 | 31 | 29.64 | 29.72 |
| 19 | OVC | 036 | | | 10.00 | 43 | 30 | 38 | 60 | 17 | 30 | 29.75 | 29.83 |
| 22 | OVC | 050 | | | 10.00 | 39 | 27 | 34 | 62 | 14 | 29 | 29.80 | 29.89 |

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, W = Vertical Visibility = 8/8
 Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.
 & = Original observation contained additional weather elements.
 See page 3 for additional notes.

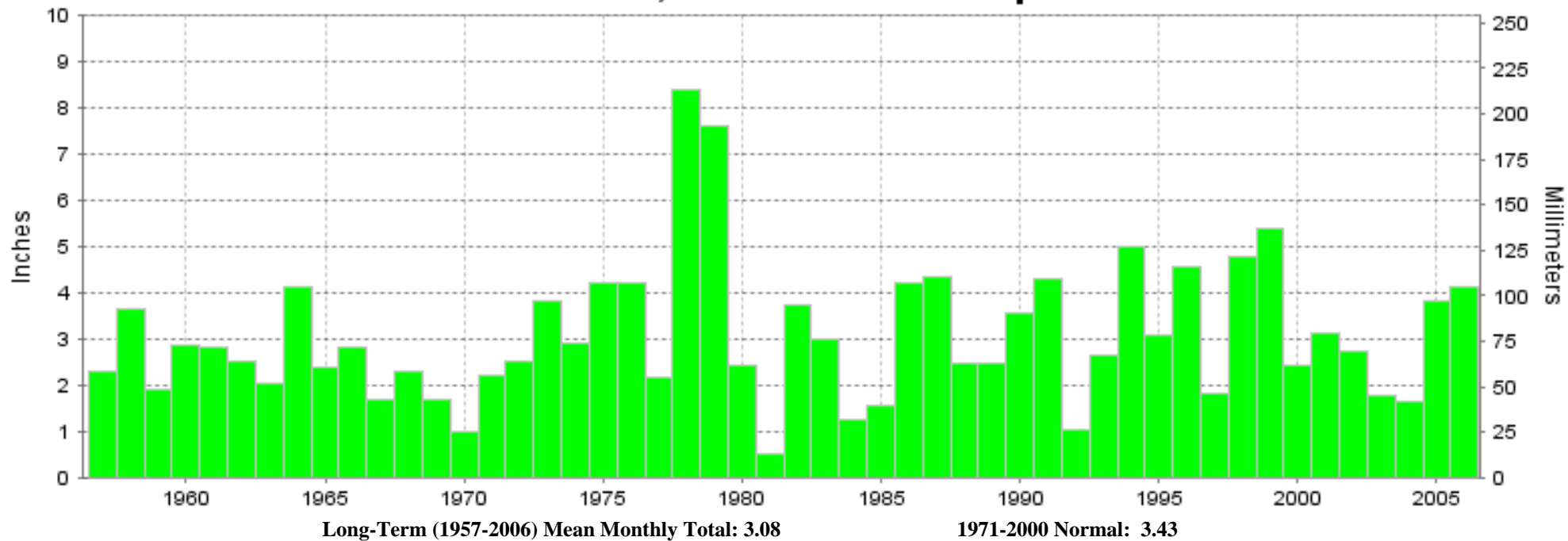
SUMMARY BY HOUR

| HOUR (LST) | AVERAGES | | | | | | | | RESULTANT WIND (MPH) | | | |
|------------|------------|-------------|----------|-----------|----------|-------------------|-----------------------|-----------|----------------------|------------------|-------|-----------|
| | CEILOMETER | EFF CLD AMT | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY | PRESSURE (Inches, HG) | | VISIBILITY (Miles) | WIND SPEED (MPH) | SPEED | DIRECTION |
| | | | | | | | STATION | SEA LEVEL | | | | |
| 01 | | | 37 | 30 | 35 | 76 | 29.92 | 30.00 | 8.37 | 9 | 3 | 32 |
| 02 | | | 37 | 30 | 34 | 77 | 29.92 | 30.01 | 8.28 | 9 | 3 | 32 |
| 03 | | | 36 | 30 | 34 | 77 | 29.92 | 30.01 | 8.19 | 9 | 3 | 32 |
| 04 | | | 36 | 29 | 33 | 78 | 29.91 | 30.00 | 8.43 | 8 | 3 | 33 |
| 05 | | | 36 | 29 | 33 | 77 | 29.91 | 29.99 | 8.52 | 9 | 2 | 34 |
| 06 | | | 35 | 29 | 33 | 77 | 29.92 | 30.00 | 8.83 | 7 | 4 | 32 |
| 07 | | | 36 | 29 | 33 | 77 | 29.92 | 30.01 | 8.97 | 8 | 4 | 31 |
| 08 | | | 36 | 29 | 33 | 76 | 29.93 | 30.02 | 8.01 | 7 | 4 | 31 |
| 09 | | | 38 | 29 | 35 | 72 | 29.95 | 30.03 | 7.91 | 9 | 4 | 31 |
| 10 | | | 40 | 30 | 36 | 67 | 29.95 | 30.04 | 8.41 | 10 | 4 | 30 |
| 11 | | | 42 | 29 | 37 | 63 | 29.94 | 30.02 | 8.73 | 11 | 6 | 29 |
| 12 | | | 44 | 29 | 38 | 60 | 29.91 | 30.00 | 8.73 | 10 | 6 | 29 |
| 13 | | | 45 | 30 | 39 | 58 | 29.89 | 29.98 | 9.07 | 11 | 6 | 29 |
| 14 | | | 46 | 29 | 39 | 56 | 29.88 | 29.96 | 9.33 | 12 | 6 | 29 |
| 15 | | | 46 | 30 | 40 | 56 | 29.88 | 29.97 | 9.22 | 11 | 6 | 29 |
| 16 | | | 46 | 30 | 40 | 57 | 29.89 | 29.97 | 9.36 | 12 | 5 | 29 |
| 17 | | | 44 | 30 | 39 | 60 | 29.90 | 29.98 | 9.38 | 11 | 6 | 29 |
| 18 | | | 42 | 30 | 38 | 63 | 29.91 | 30.00 | 9.39 | 11 | 4 | 30 |
| 19 | | | 41 | 30 | 37 | 66 | 29.92 | 30.01 | 9.22 | 11 | 4 | 30 |
| 20 | | | 40 | 29 | 36 | 68 | 29.93 | 30.01 | 8.70 | 10 | 3 | 32 |
| 21 | | | 39 | 29 | 36 | 69 | 29.93 | 30.02 | 9.03 | 9 | 4 | 31 |
| 22 | | | 39 | 30 | 35 | 70 | 29.93 | 30.02 | 9.06 | 9 | 4 | 30 |
| 23 | | | 38 | 30 | 35 | 73 | 29.93 | 30.02 | 8.87 | 9 | 4 | 31 |
| 24 | | | 38 | 30 | 35 | 74 | 29.92 | 30.01 | 8.81 | 9 | 4 | 30 |

WILMINGTON, DE JANUARY Temperatures



WILMINGTON, DE JANUARY Precipitation





**JANUARY 2006
WILMINGTON, DE**

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