



JULY 2004

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

RALEIGH/DURHAM, NC

RALEIGH-DURHAM INTL ARPT (RDU)

Lat: 35° 52' N Long: 78° 47' W Elev (Ground): 427 Feet

Time Zone: EASTERN WBAN: 13722 ISSN #:0198-3784

| 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 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 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 | 88 | 68 | 78 | 0 | 69 | 72 | 0 | 13 | RA BR HZ | 0 | | 0.0 | 0.01 | 29.66 | 30.12 | 3.3 | 20 | 4.4 | 15 | 24 | 12 | 23 | 01 | | | | | | | | |
| 02 | 87 | 71 | 79 | 1 | 71 | 73 | 0 | 14 | RA BR HZ | 0 | | 0.0 | 0.01 | 29.57 | 30.02 | 3.6 | 21 | 4.5 | 16 | 12 | 14 | 18 | 02 | | | | | | | | |
| 03 | 86 | 69 | 78 | 0 | 72 | 73 | 0 | 13 | TS TSRA BR | 0 | | 0.0 | 1.28 | 29.50 | 29.96 | 0.7 | 12 | 2.9 | 23 | 21 | 20 | 21 | 03 | | | | | | | | |
| 04 | 90 | 73 | 82 | 4 | 73 | 75 | 0 | 17 | TS TSRA BR HZ | 0 | | 0.0 | T | 29.48 | 29.94 | 4.5 | 22 | 5.3 | 17 | 23 | 14 | 23 | 04 | | | | | | | | |
| 05 | 93 | 71 | 82 | 4 | 71 | 74 | 0 | 17 | BR | 0 | | 0.0 | 0.00 | 29.51 | 29.96 | 5.4 | 24 | 6.4 | 23 | 24 | 15 | 23 | 05 | | | | | | | | |
| 06 | 93 | 68 | 81 | 2 | 69 | 73 | 0 | 16 | BR | 0 | | 0.0 | 0.00 | 29.52 | 29.97 | 1.7 | 27 | 3.4 | 14 | 26 | 10 | 23 | 06 | | | | | | | | |
| 07 | 94 | 73 | 84 | 5 | 70 | 74 | 0 | 19 | BR | 0 | | 0.0 | 0.00 | 29.42 | 29.88 | 6.2 | 24 | 6.4 | 29 | 22 | 24* | 23 | 07 | | | | | | | | |
| 08 | 94 | 68 | 81 | 2 | 68 | 72 | 0 | 16 | RA | 0 | | 0.0 | 0.01 | 29.47 | 29.92 | 1.5 | 27 | 2.8 | 24 | 29 | 17 | 29 | 08 | | | | | | | | |
| 09 | 95 | 69 | 82 | 3 | 64 | 71 | 0 | 17 | BR | 0 | | 0.0 | 0.00 | 29.59 | 30.05 | 1.1 | 28 | 2.8 | 14 | 03 | 12 | 02 | 09 | | | | | | | | |
| 10 | 96* | 71 | 84* | 5 | 70 | 73 | 0 | 19 | TS TSRA RA BR | 0 | | 0.0 | 0.19 | 29.63 | 30.09 | 1.0 | 33 | 5.8 | 29* | 21 | 23 | 20 | 10 | | | | | | | | |
| 11 | 92 | 70 | 81 | 2 | 70 | 73 | 0 | 16 | TS BR | 0 | | 0.0 | 0.00 | 29.62 | 30.08 | 0.6 | 20 | 3.5 | 16 | 21 | 15 | 22 | 11 | | | | | | | | |
| 12 | 91 | 70 | 81 | 2 | 72 | 74 | 0 | 16 | TS TSRA RA FG BR HZ | 0 | | 0.0 | 0.78 | 29.54 | 29.99 | 6.5 | 21 | 7.4 | 28 | 21 | 23 | 21 | 12 | | | | | | | | |
| 13 | 90 | 72 | 81 | 2 | 73 | 76 | 0 | 16 | BR | 0 | | 0.0 | 0.00 | 29.40 | 29.85 | 6.2 | 24 | 6.7 | 17 | 24 | 16 | 23 | 13 | | | | | | | | |
| 14 | 94 | 70 | 82 | 3 | 71 | 74 | 0 | 17 | TS RA BR HZ | 0 | | 0.0 | 0.01 | 29.26 | 29.71 | 6.0 | 24 | 7.0 | 23 | 21 | 18 | 23 | 14 | | | | | | | | |
| 15 | 88 | 66 | 77 | -2 | 59 | 66 | 0 | 12 | | 0 | | 0.0 | 0.00 | 29.32 | 29.77 | 3.8 | 29 | 5.6 | 21 | 32 | 15 | 26 | 15 | | | | | | | | |
| 16 | 88 | 60* | 74 | -5 | 57 | 64 | 0 | 9 | | 0 | | 0.0 | 0.00 | 29.40 | 29.86 | 2.5 | 24 | 3.9 | 17 | 23 | 14 | 23 | 16 | | | | | | | | |
| 17 | 90 | 62 | 76 | -3 | 62 | 67 | 0 | 11 | TSRA RA BR HZ | 0 | | 0.0 | 0.38 | 29.40 | 29.86 | 4.6 | 17 | 5.3 | 26 | 19 | 21 | 20 | 17 | | | | | | | | |
| 18 | 82 | 68 | 75 | -4 | 69 | 70 | 0 | 10 | TSRA RA BR HZ | 0 | | 0.0 | 1.01 | 29.33 | 29.79 | 1.8 | 03 | 3.3 | 15 | 03 | 12 | 34 | 18 | | | | | | | | |
| 19 | 86 | 66 | 76 | -3 | 67 | 70 | 0 | 11 | TS FG MIFG BR HZ | 0 | | 0.0 | 0.00 | 29.38 | 29.83 | 1.0 | 04 | 2.5 | 14 | 17 | 13 | 17 | 19 | | | | | | | | |
| 20 | 87 | 66 | 77 | -2 | 67 | 70 | 0 | 12 | TS BR HZ | 0 | | 0.0 | 0.00 | 29.49 | 29.95 | 1.6 | 02 | 2.7 | 12 | 02 | 9 | 03 | 20 | | | | | | | | |
| 21 | 90 | 66 | 78 | -1 | 66 | 70 | 0 | 13 | MIFG BR HZ | 0 | | 0.0 | 0.00 | 29.53 | 29.99 | 1.0 | 06 | 1.7 | 13 | 02 | 8 | 02 | 21 | | | | | | | | |
| 22 | 91 | 67 | 79 | 0 | 69 | 72 | 0 | 14 | TS TSRA RA BR HZ | 0 | | 0.0 | 0.78 | 29.47 | 29.93 | 3.6 | 22 | 4.9 | 24 | 34 | 17 | 34 | 22 | | | | | | | | |
| 23 | 89 | 72 | 81 | 2 | 72 | 74 | 0 | 16 | RA BR HZ | 0 | | 0.0 | 0.32 | 29.44 | 29.90 | 0.6 | 32 | 4.7 | 23 | 36 | 16 | 01 | 23 | | | | | | | | |
| 24 | 82 | 71 | 77 | -2 | 69 | 71 | 0 | 12 | BR HZ | 0 | | 0.0 | 0.00 | 29.62 | 30.08 | 6.4 | 02 | 7.3 | 20 | 04 | 15 | 03 | 24 | | | | | | | | |
| 25 | 78 | 69 | 74* | -5 | 69 | 71 | 0 | 9 | RA BR | 0 | | 0.0 | 0.01 | 29.66 | 30.13 | 2.6 | 01 | 4.7 | 15 | 36 | 12 | 01 | 25 | | | | | | | | |
| 26 | 87 | 73 | 80 | 1 | 72 | 74 | 0 | 15 | BR | 0 | | 0.0 | 0.00 | 29.59 | 30.05 | 0.6 | 31 | 1.9 | 10 | 24 | 9 | 24 | 26 | | | | | | | | |
| 27 | 90 | 72 | 81 | 2 | 72 | 74 | 0 | 16 | TS TSRA RA BR HZ | 0 | | 0.0 | 0.38 | 29.53 | 29.98 | 5.1 | 22 | 6.6 | 23 | 29 | 17 | 27 | 27 | | | | | | | | |
| 28 | 87 | 72 | 80 | 1 | 73 | 74 | 0 | 15 | RA MIFG BR HZ | 0 | | 0.0 | T | 29.53 | 29.98 | 2.0 | 19 | 2.9 | 15 | 21 | 13 | 19 | 28 | | | | | | | | |
| 29 | 88 | 70 | 79 | 0 | 72 | 73 | 0 | 14 | TSRA RA BR | 0 | | 0.0 | 2.82 | 29.59 | 30.05 | 3.2 | 15 | 5.7 | 24 | 31 | 16 | 09 | 29 | | | | | | | | |
| 30 | 89 | 70 | 80 | 1 | 71 | 74 | 0 | 15 | RA FG+ BR | 0 | | 0.0 | 0.12 | 29.64 | 30.10 | 3.7 | 15 | 5.1 | 24 | 16 | 22 | 17 | 30 | | | | | | | | |
| 31 | 89 | 71 | 80 | 1 | 73 | 75 | 0 | 15 | RA FG BR | 0 | | 0.0 | 0.05 | 29.59 | 30.05 | 3.2 | 12 | 4.4 | 23 | 12 | 20 | 12 | 31 | | | | | | | | |
| 89.2 69.2 79.2 ■■ 69.1 72.1 0.0 14.4 | | | | | | | | | | < MONTHLY AVERAGES TOTALS-> | | | 0.0 8.16 | 29.51 29.96 | | 0.4 12 4.6 | | <- MONTHLY AVERAGES | | | | | | | | | | | | | |
| 0.1 0.7 0.4 ■■ | | | | | | | | | | <-----DEPARTURE FROM NORMAL-----> | | | | | | | | | | 3.87 | | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 | | | | | | | | | |
| DEGREE DAYS | | | | | | | | | GREATEST 24-HR PRECIPITATION: 2.82 DATE :29 | | | | SEA LEVEL PRESSURE DATE TIME | | | | | | | | | | | | | | | | | | |
| MONTHLY | | | | | | | | | GREATEST 24-HR SNOWFALL: 0.0 DATE : | | | | MAXIMUM | | | | : 30.17 01 0951 | | | | | | | | | | | | | | |
| TOTAL DEPARTURE | | | | | | | | | GREATEST SNOW DEPTH: 0 DATE : | | | | MINIMUM | | | | : 29.62 14 1751 | | | | | | | | | | | | | | |
| HEATING: 0 0 0 0 | | | | | | | | | NUMBER OF DAYS WITH → | | | | MAXIMUM TEMP ≥ 90: 15 | | | | MINIMUM TEMP ≤ 32 : 0 | | | | PRECIPITATION ≥ 0.01 INCH : 16 | | | | | | | | | | |
| COOLING: 445 16 1149 260 | | | | | | | | | | | | | MAXIMUM TEMP ≤ 32 : 0 | | | | MINIMUM TEMP ≤ 0 : 0 | | | | PRECIPITATION ≥ 0.10 INCH : 10 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | HEAVY FOG : 1 | | | | SNOWFALL ≥ 1.0 INCH : 0 | | | | | | | | | | |

JULY 2004
RALEIGH/DURHAM, NC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

RALEIGH/DURHAM, NC

JULY 2004

RDU

WBAN # 13722

| 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 | | 0.01 | | | | | | | | | | | 01 | | | | | | | | | | | | 01 | | | 0.01 |
| 02 | | | | | | | | | | | | | 02 | | T | 0.01 | | | | | | | T | | 02 | | | 0.01 |
| 03 | | | | | | | | | | | | | 03 | 0.38 | T | | | T | 0.89 | 0.01 | | | | | 03 | | | 1.28 |
| 04 | | | | | | | | | | | | | 04 | | | | | | | | | | T | | 04 | | | T |
| 05 | | | | | | | | | | | | | 05 | | | | | | | | | | | | 05 | | | 0.00 |
| 06 | | | | | | | | | | | | | 06 | | | | | | | | | | | | 06 | | | 0.00 |
| 07 | | | | | | | | | | | | | 07 | | | | | | | | | | | | 07 | | | 0.00 |
| 08 | | | | | | | | | | | | | 08 | | | | | | 0.01 | | | | | | 08 | | | 0.01 |
| 09 | | | | | | | | | | | | | 09 | | | | | | | | | | | | 09 | | | 0.00 |
| 10 | | | | | | | | | | | | | 10 | | | | T | 0.08 | 0.10 | 0.01 | T | T | | | 10 | | | 0.19 |
| 11 | | | | | | | | | | | | | 11 | | | | | | | | | | | | 11 | | | 0.00 |
| 12 | | | | | | | | | | | | | 12 | | | | | | | T | 0.71 | 0.06 | 0.01 | | 12 | | | 0.78 |
| 13 | | | | | | | | | | | | | 13 | | | | | | | | | | | | 13 | | | 0.00 |
| 14 | 0.01 | T | | | | | | | | | | | 14 | | | | | | | | | T | | | 14 | | | 0.01 |
| 15 | | | | | | | | | | | | | 15 | | | | | | | | | | | | 15 | | | 0.00 |
| 16 | | | | | | | | | | | | | 16 | | | | | | | | | | | | 16 | | | 0.00 |
| 17 | | | | | | | | | | | | | 17 | | | | T | | | | | | | | 17 | | | 0.38 |
| 18 | 0.59 | 0.41 | 0.01 | | | | | | | | | | 18 | | | | | | | | | | 0.02 | 0.36 | 18 | | | 1.01 |
| 19 | | | | | | | | | | | | | 19 | | | | | | | | | | | | 19 | | | 0.00 |
| 20 | | | | | | | | | | | | | 20 | | | | | | | | | | | | 20 | | | 0.00 |
| 21 | | | | | | | | | | | | | 21 | | | | | | | | | | | | 21 | | | 0.00 |
| 22 | | | | | | | | | | | | | 22 | | | T | | | 0.57 | 0.02 | T | 0.01 | 0.09 | 0.09 | 22 | | | 0.78 |
| 23 | 0.14 | 0.08 | 0.10 | T | | | | | | | | T | 23 | T | | | | | | | | T | T | | 23 | | | 0.32 |
| 24 | | | | | | | | | | | | | 24 | | | | | | | | | | | | 24 | | | 0.00 |
| 25 | | | | | | 0.01 | | | | | | | 25 | T | | | | | | | | | | | 25 | | | 0.01 |
| 26 | | | | | | | | | | | | | 26 | | | | | | | | | | | | 26 | | | 0.00 |
| 27 | | | | | | | | | | | | | 27 | | | | 0.02 | 0.24 | 0.03 | 0.08 | 0.01 | | | | 27 | | | 0.38 |
| 28 | T | T | T | | | | | | | | | | 28 | | T | | | | | | | | | | 28 | | | T |
| 29 | | | | | | | | | | | T | T | 29 | | | | 0.84 | 1.87 | 0.02 | 0.07 | 0.02 | | | | 29 | | | 2.82 |
| 30 | | | | | T | | | | | | | | 30 | | | | 0.12 | | | | | | | | 30 | | | 0.12 |
| 31 | | | | | | | | | | T | | | 31 | 0.02 | | T | | T | | T | | | | | 31 | | | 0.05 |

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

**RALEIGH/DURHAM, NC
JULY 2004**

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

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

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

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

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

| DATE | SUNSHINE | | CLOUDINESS (OKTAS) | | | | VISIBILITY (MILES) | | RESERVED |
|---|------------------|---------------------|-----------------------|-----------|------------|-----------|-----------------------|---------|----------|
| | TOTAL MINUTES | PERCENT POSSIBLE | SR-SS | | MN-MN | | MINIMUM | MAXIMUM | |
| | | | CEILOMETER | SATELLITE | CEILOMETER | SATELLITE | | | |
| 01 | | | | | | | 2.50 | 10.00 | |
| 02 | | | | | | | 4.00 | 10.00 | |
| 03 | | | | | | | .25 | 10.00 | |
| 04 | | | | | | | 1.75 | 10.00 | |
| 05 | | | | | | | 5.00 | 10.00 | |
| 06 | | | | | | | 4.00 | 10.00 | |
| 07 | | | | | | | 6.00 | 10.00 | |
| 08 | | | | | | | 8.00 | 10.00 | |
| 09 | | | | | | | 4.00 | 10.00 | |
| 10 | | | | | | | 2.50 | 10.00 | |
| 11 | | | | | | | 3.00 | 10.00 | |
| 12 | | | | | | | .50 | 10.00 | |
| 13 | | | | | | | 2.50 | 10.00 | |
| 14 | | | | | | | 2.50 | 10.00 | |
| 15 | | | | | | | 9.00 | 10.00 | |
| 16 | | | | | | | 9.00 | 10.00 | |
| 17 | | | | | | | .75 | 10.00 | |
| 18 | | | | | | | 1.50 | 10.00 | |
| 19 | | | | | | | .50 | 8.00 | |
| 20 | | | | | | | 3.00 | 7.00 | |
| 21 | | | | | | | 1.50 | 8.00 | |
| 22 | | | | | | | 1.00 | 9.00 | |
| 23 | | | | | | | 1.25 | 10.00 | |
| 24 | | | | | | | 5.00 | 9.00 | |
| 25 | | | | | | | 1.25 | 10.00 | |
| 26 | | | | | | | 4.00 | 10.00 | |
| 27 | | | | | | | 1.25 | 10.00 | |
| 28 | | | | | | | 2.50 | 10.00 | |
| 29 | | | | | | | .25 | 10.00 | |
| 30 | | | | | | | .25 | 10.00 | |
| 31 | | | | | | | .13 | 10.00 | |
| MONTHLY AVGS | | | | | | | 3.17 | 9.65 | |
| <p align="center">SUNSHINE (MINUTES)</p> <p>Total: Possible:</p> <p> Percent Possible:</p> | | | | | | | | | |
| <p align="center">NUMBER OF DAYS WITH:</p> <p align="center">SKY CONDITION</p> <p align="center">CLR PTLY CLDY CLOUDY MISSING</p> <p align="center">31</p> <p align="center">MINIMUM VISIBILITY (MILES)</p> <p align="center"><=0.25 <=3.0 >=7.0</p> <p align="center">3 20 3</p> | | | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JULY 2004

RDU

WBAN # 13722

| HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | | |
|-----------------------------------|-----------|---------------------|------------------------|-------------------|---------|--------------------|----------|-----------|-------------------------|----------|-------------|-----------------------------------|---------|------------|-----------|-----------|---------------------|------------------------|---------|-------------------|--------------------|----------|-------------------------|-----------|----------|-----------------------|-----------------------|---------|-----------|
| | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | EFF CLD AMT Oktas | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | | SEA LEVEL | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | | EFF CLD AMT Oktas | VISIBILITY (MILES) | DRY BULB | | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0503 JUL 01 SUNSET: 1935 | | | | | | | | | | | | SUNRISE: 0506 JUL 07 SUNSET: 1935 | | | | | | | | | | | | | | | | | |
| 01 | BKN | 200 | | | 3.00 | BR | 70 | 68 | 69 | 93 | 0 | 00 | 29.70 | 30.15 | 01 | CLR | NC | | | 9.00 | 76 | 71 | 73 | 85 | 3 | 24 | 29.48 | 29.93 | |
| 04 | SCT | NC | | | 3.00 | BR | 68 | 67 | 67 | 96 | 3 | 18 | 29.68 | 30.14 | 04 | CLR | NC | | | 8.00 | 74 | 70 | 71 | 88 | 0 | 00 | 29.43 | 29.89 | |
| 07 | OVC | 006 | | | 2.50 | BR | 71 | 69 | 70 | 94 | 0 | 00 | 29.70 | 30.16 | 07 | BKN | 250 | | BR | 6.00 | 76 | 73 | 74 | 91 | 3 | 23 | 29.45 | 29.91 | |
| 10 | OVC | 012 | | | 5.00 | HZ | 77 | 71 | 73 | 82 | 5 | 24 | 29.71 | 30.17 | 10 | BKN | 250 | | | 10.00 | 89 | 74 | 78 | 61 | 5 | 24 | 29.44 | 29.89 | |
| 13 | BKN | 034 | | | 10.00 | | 84 | 70 | 74 | 63 | 7 | 19 | 29.67 | 30.13 | 13 | BKN | 250 | | | 10.00 | 92 | 72 | 78 | 52 | 10 | 24 | 29.41 | 29.86 | |
| 16 | BKN | 250 | | | 10.00 | | 85 | 68 | 73 | 57 | 8 | 28 | 29.62 | 30.08 | 16 | BKN | 200 | | | 10.00 | 92 | 68 | 75 | 46 | 16 | 23 | 29.37 | 29.83 | |
| 19 | BKN | 055 | | | 10.00 | | 83 | 69 | 74 | 63 | 6 | 17 | 29.61 | 30.06 | 19 | BKN | 200 | | | 10.00 | 89 | 65 | 73 | 45 | 8 | 28 | 29.37 | 29.83 | |
| 22 | BKN | 130 | | | 10.00 | | 78 | 71 | 73 | 79 | 6 | 13 | 29.64 | 30.10 | 22 | CLR | NC | | | 10.00 | 76 | 67 | 70 | 74 | 0 | 00 | 29.43 | 29.89 | |
| SUNRISE: 0503 JUL 02 SUNSET: 1935 | | | | | | | | | | | | SUNRISE: 0506 JUL 08 SUNSET: 1934 | | | | | | | | | | | | | | | | | |
| 01 | SCT | NC | | | 9.00 | | 75 | 71 | 72 | 88 | 7 | 21 | 29.63 | 30.09 | 01 | CLR | NC | | | 10.00 | 71 | 67 | 68 | 87 | 0 | 00 | 29.43 | 29.89 | |
| 04 | SCT | NC | | | 5.00 | BR | 71 | 70 | 70 | 96 | 5 | 24 | 29.60 | 30.05 | 04 | CLR | NC | | | 10.00 | 70 | 67 | 68 | 90 | 0 | 00 | 29.43 | 29.89 | |
| 07 | BKN | 090 | | | 5.00 | BR | 76 | 72 | 73 | 88 | 6 | 22 | 29.61 | 30.07 | 07 | SCT | NC | | | 10.00 | 75 | 69 | 71 | 82 | 0 | 00 | 29.47 | 29.93 | |
| 10 | OVC | 250 | | | 8.00 | | 83 | 71 | 75 | 67 | 3 | 22 | 29.60 | 30.06 | 10 | BKN | 250 | | | 10.00 | 88 | 68 | 74 | 52 | 3 | VR | 29.49 | 29.94 | |
| 13 | OVC | 045 | | | 10.00 | | 85 | 71 | 75 | 63 | 5 | 21 | 29.56 | 30.02 | 13 | BKN | 250 | | | 10.00 | 93 | 67 | 75 | 42 | 9 | 29 | 29.47 | 29.92 | |
| 16 | BKN | 250 | | | 9.00 | | 83 | 72 | 75 | 70 | 7 | 18 | 29.51 | 29.97 | 16 | SCT | NC | | | 10.00 | 93 | 67 | 75 | 42 | 3 | 01 | 29.43 | 29.88 | |
| 19 | OVC | 150 | | | 10.00 | | 82 | 72 | 75 | 72 | 5 | 16 | 29.52 | 29.98 | 19 | BKN | 095 | | | 8.00 | 78 | 71 | 73 | 79 | 0 | 00 | 29.47 | 29.93 | |
| 22 | SCT | NC | | | 10.00 | | 74 | 70 | 71 | 88 | 6 | 18 | 29.54 | 29.99 | 22 | SCT | NC | | | 10.00 | 76 | 71 | 73 | 85 | 0 | 00 | 29.52 | 29.97 | |
| SUNRISE: 0504 JUL 03 SUNSET: 1935 | | | | | | | | | | | | SUNRISE: 0507 JUL 09 SUNSET: 1934 | | | | | | | | | | | | | | | | | |
| 01 | BKN | 230 | | | 7.00 | | 72 | 70 | 71 | 94 | 0 | 00 | 29.54 | 29.99 | 01 | CLR | NC | | | 8.00 | 73 | 70 | 71 | 90 | 0 | 00 | 29.53 | 29.98 | |
| 04 | FEW | NC | | | 4.00 | BR | 71 | 70 | 70 | 96 | 0 | 00 | 29.49 | 29.95 | 04 | CLR | NC | | | 5.00 | 71 | 69 | 70 | 94 | 0 | 00 | 29.56 | 30.01 | |
| 07 | BKN | 140 | | | 4.00 | BR | 73 | 71 | 72 | 94 | 0 | 00 | 29.51 | 29.97 | 07 | SCT | NC | | | 7.00 | 75 | 71 | 72 | 88 | 0 | 00 | 29.61 | 30.07 | |
| 10 | BKN | 025 | | | 8.00 | | 83 | 73 | 76 | 72 | 5 | 13 | 29.52 | 29.98 | 10 | SCT | NC | | | 10.00 | 88 | 61 | 70 | 40 | 3 | VR | 29.62 | 30.08 | |
| 13 | BKN | 015 | | | 3.00 | -TSRA BR | 74 | 72 | 73 | 94 | 10 | 06 | 29.51 | 29.97 | 13 | SCT | NC | | | 10.00 | 93 | 58 | 70 | 31 | 8 | 33 | 29.60 | 30.06 | |
| 16 | BKN | 110 | | | 9.00 | | 85 | 73 | 77 | 68 | 5 | VR | 29.47 | 29.92 | 16 | SCT | NC | | | 10.00 | 94 | 56 | 70 | 28 | 6 | VR | 29.57 | 30.02 | |
| 19 | OVC | 034 | | | 9.00 | | 75 | 71 | 72 | 88 | 5 | 07 | 29.48 | 29.94 | 19 | FEW | NC | | | 10.00 | 89 | 59 | 70 | 36 | 3 | 34 | 29.57 | 30.02 | |
| 22 | OVC | 100 | | | 7.00 | | 74 | 73 | 73 | 97 | 0 | 00 | 29.51 | 29.97 | 22 | CLR | NC | | | 10.00 | 79 | 66 | 70 | 65 | 6 | 22 | 29.62 | 30.07 | |
| SUNRISE: 0504 JUL 04 SUNSET: 1935 | | | | | | | | | | | | SUNRISE: 0507 JUL 10 SUNSET: 1934 | | | | | | | | | | | | | | | | | |
| 01 | SCT | NC | | | 1.75 | BR | 73 | 72 | 72 | 96 | 3 | 14 | 29.50 | 29.96 | 01 | CLR | NC | | | 7.00 | 74 | 70 | 71 | 88 | 6 | 24 | 29.62 | 30.07 | |
| 04 | OVC | 004 | | | 4.00 | BR | 73 | 72 | 72 | 96 | 5 | 24 | 29.50 | 29.95 | 04 | FEW | NC | | | 7.00 | 73 | 70 | 71 | 90 | 0 | 00 | 29.61 | 30.06 | |
| 07 | OVC | 011 | | | 2.00 | BR | 74 | 72 | 73 | 94 | 5 | 23 | 29.52 | 29.98 | 07 | FEW | NC | | | 7.00 | 79 | 70 | 73 | 74 | 5 | 34 | 29.63 | 30.08 | |
| 10 | BKN | 021 | | | 6.00 | HZ | 80 | 74 | 76 | 82 | 5 | 22 | 29.53 | 29.98 | 10 | FEW | NC | | | 10.00 | 88 | 70 | 76 | 55 | 6 | VR | 29.65 | 30.11 | |
| 13 | BKN | 030 | | | 9.00 | | 85 | 74 | 77 | 70 | 9 | 24 | 29.49 | 29.95 | 13 | BKN | 150 | | | 10.00 | 92 | 67 | 75 | 44 | 5 | VR | 29.63 | 30.09 | |
| 16 | BKN | 080 | | | 9.00 | | 90 | 73 | 78 | 58 | 9 | 24 | 29.43 | 29.88 | 16 | BKN | 065 | | | 10.00 | 94 | 68 | 76 | 43 | 6 | 10 | 29.59 | 30.04 | |
| 19 | SCT | NC | | | 8.00 | | 84 | 73 | 76 | 70 | 8 | 17 | 29.44 | 29.89 | 19 | OVC | 065 | | -RA BR | 5.00 | 72 | 70 | 71 | 94 | 13 | 04 | 29.66 | 30.12 | |
| 22 | BKN | 050 | | | 10.00 | | 80 | 69 | 73 | 69 | 6 | 28 | 29.48 | 29.93 | 22 | OVC | 050 | | BR | 4.00 | 72 | 71 | 71 | 97 | 5 | 35 | 29.67 | 30.13 | |
| SUNRISE: 0505 JUL 05 SUNSET: 1935 | | | | | | | | | | | | SUNRISE: 0508 JUL 11 SUNSET: 1933 | | | | | | | | | | | | | | | | | |
| 01 | OVC | 250 | | | 10.00 | | 74 | 70 | 71 | 88 | 5 | 23 | 29.47 | 29.93 | 01 | BKN | 080 | | | 4.00 | 71 | 70 | 70 | 96 | 3 | 32 | 29.63 | 30.08 | |
| 04 | SCT | NC | | | 7.00 | | 72 | 70 | 71 | 94 | 8 | 23 | 29.48 | 29.94 | 04 | BKN | 080 | | | 6.00 | 70 | 69 | 69 | 97 | 6 | 03 | 29.63 | 30.08 | |
| 07 | FEW | NC | | | 7.00 | | 75 | 71 | 72 | 88 | 7 | 23 | 29.53 | 29.98 | 07 | BKN | 050 | | BR | 3.00 | 72 | 70 | 71 | 94 | 0 | 00 | 29.66 | 30.12 | |
| 10 | FEW | NC | | | 10.00 | | 86 | 72 | 76 | 63 | 8 | 24 | 29.54 | 29.99 | 10 | BKN | 100 | | | 9.00 | 83 | 72 | 75 | 70 | 3 | VR | 29.66 | 30.12 | |
| 13 | SCT | NC | | | 10.00 | | 92 | 72 | 78 | 52 | 12 | 23 | 29.51 | 29.96 | 13 | SCT | NC | | | 10.00 | 88 | 70 | 76 | 55 | 0 | 00 | 29.63 | 30.09 | |
| 16 | SCT | NC | | | 10.00 | | 92 | 71 | 77 | 51 | 7 | 24 | 29.48 | 29.93 | 16 | BKN | 150 | | | 10.00 | 92 | 68 | 75 | 46 | 8 | 11 | 29.58 | 30.03 | |
| 19 | SCT | NC | | | 10.00 | | 86 | 70 | 75 | 59 | 6 | 25 | 29.48 | 29.94 | 19 | BKN | 055 | | | 8.00 | 80 | 70 | 73 | 71 | 7 | 22 | 29.58 | 30.04 | |
| 22 | CLR | NC | | | 10.00 | | 81 | 69 | 73 | 67 | 0 | 00 | 29.54 | 30.00 | 22 | BKN | 065 | | | 10.00 | 75 | 71 | 72 | 88 | 7 | 22 | 29.64 | 30.10 | |
| SUNRISE: 0505 JUL 06 SUNSET: 1935 | | | | | | | | | | | | SUNRISE: 0509 JUL 12 SUNSET: 1933 | | | | | | | | | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 74 | 69 | 71 | 85 | 0 | 00 | 29.49 | 29.95 | 01 | BKN | 200 | | | 10.00 | 73 | 70 | 71 | 90 | 3 | 16 | 29.60 | 30.06 | |
| 04 | CLR | NC | | | 6.00 | BR | 69 | 68 | 68 | 96 | 0 | 00 | 29.51 | 29.96 | 04 | SCT | NC | | | 6.00 | 71 | 70 | 70 | 96 | 6 | 21 | 29.58 | 30.03 | |
| 07 | BKN | 200 | | | 8.00 | | 76 | 70 | 72 | 82 | 0 | 00 | 29.55 | 30.01 | 07 | OVC | 004 | | BR | 4.00 | 73 | 71 | 72 | 94 | 6 | 21 | 29.61 | 30.06 | |
| 10 | SCT | NC | | | 9.00 | | 87 | 70 | 75 | 57 | 6 | 04 | 29.56 | 30.01 | 10 | BKN | 200 | | | 8.00 | 83 | 73 | 76 | 72 | 8 | 24 | 29.59 | 30.05 | |
| 13 | SCT | NC | | | 10.00 | | 91 | 65 | 73 | 42 | 6 | 28 | 29.55 | 30.00 | 13 | BKN | 180 | | | 10.00 | 90 | 72 | 77 | 56 | 12 | 23 | 29.54 | 30.00 | |
| 16 | SCT | NC | | | 10.00 | | 93 | 66 | 75 | 41 | 6 | VR | 29.50 | 29.96 | 16 | BKN | 150 | | | 8.00 | 88 | 71 | 76 | 57 | 10 | 20 | 29.47 | 29.93 | |
| 19 | FEW | NC | | | 10.00 | | 87 | 70 | 75 | 57 | 0 | 00 | 29.47 | 29.93 | 19 | OVC | 060 | | -TSRA | 10.00 | 78 | 70 | 73 | 76 | 12 | 22 | 29.47 | 29.93 | |
| 22 | CLR | NC | | | 10.00 | | 80 | 71 | 74 | 74 | 5 | 24 | 29.51 | 29.97 | 22 | OVC | 130 | | BR | 6.00 | 75 | 73 | | | | | | | |

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JULY 2004

RDU

WBAN # 13722

| HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | HOUR (LST) | | | SATELLITE | | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES, HG) | | | |
|------------|-----------|---------------------|------------------------|------------------------------------|---------|--------------------|--------------|-----------|-------------------------|----------|-------------|--------------------------|---------|------------|-----------|---------------|---------------------|------------------------|---------|------------------------------------|--------------------|----------|-------------------------|-----------|----------|-----------------------|--------------------------|---------|-----------|
| | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | EFF CLD AMT <small>Okta</small> | | VISIBILITY (MILES) | DRY BULB | DEW POINT | | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | | SEA LEVEL | SKY COVER | CEILING 100'S OF FT | OBSERVATION TIME (LST) | | EFF CLD AMT <small>Okta</small> | VISIBILITY (MILES) | DRY BULB | | DEW POINT | WET BULB | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | SUNRISE: 0509 | | | JUL 13 | SUNSET: 1933 | | | | | | | | | SUNRISE: 0513 | | | JUL 19 | SUNSET: 1930 | | | | | | | | | |
| 01 | SCT | NC | | | 4.00 | BR | 74 | 73 | 73 | 97 | 6 | 24 | 29.44 | 29.89 | 01 | SCT | NC | | | 3.00 | BR | 70 | 68 | 69 | 93 | 3 | 34 | 29.35 | 29.81 |
| 04 | SCT | NC | | | 3.00 | BR | 73 | 72 | 72 | 96 | 8 | 23 | 29.42 | 29.88 | 04 | CLR | NC | | | 1.00 | BR | 68 | 66 | 67 | 93 | 0 | 00 | 29.33 | 29.79 |
| 07 | BKN | 250 | | | 4.00 | BR | 75 | 73 | 74 | 94 | 5 | 24 | 29.44 | 29.90 | 07 | CLR | NC | | | 2.50 | BR | 70 | 68 | 69 | 93 | 0 | 00 | 29.36 | 29.83 |
| 10 | SCT | NC | | | 8.00 | | 84 | 75 | 78 | 74 | 7 | VR | 29.44 | 29.90 | 10 | BKN | 130 | | | 6.00 | HZ | 79 | 68 | 72 | 69 | 3 | 30 | 29.39 | 29.85 |
| 13 | BKN | 180 | | | 10.00 | | 89 | 73 | 78 | 59 | 9 | 28 | 29.41 | 29.86 | 13 | BKN | 041 | | | 8.00 | | 85 | 66 | 72 | 53 | 6 | 04 | 29.37 | 29.83 |
| 16 | SCT | NC | | | 9.00 | | 89 | 75 | 79 | 63 | 9 | 23 | 29.36 | 29.82 | 16 | OVC | 130 | | | 7.00 | | 85 | 65 | 72 | 51 | 5 | 11 | 29.35 | 29.81 |
| 19 | FEW | NC | | | 9.00 | | 84 | 73 | 76 | 70 | 7 | 24 | 29.34 | 29.80 | 19 | SCT | NC | | | 5.00 | HZ | 76 | 68 | 71 | 77 | 0 | 00 | 29.38 | 29.83 |
| 22 | SCT | NC | | | 8.00 | | 79 | 73 | 75 | 82 | 6 | 23 | 29.37 | 29.82 | 22 | CLR | NC | | | 6.00 | HZ | 72 | 67 | 69 | 84 | 0 | 00 | 29.43 | 29.89 |
| | | | SUNRISE: 0510 | | | JUL 14 | SUNSET: 1932 | | | | | | | | | SUNRISE: 0514 | | | JUL 20 | SUNSET: 1929 | | | | | | | | | |
| 01 | OVC | 070 | | | 6.00 | -RA BR | 75 | 72 | 73 | 90 | 8 | 24 | 29.35 | 29.80 | 01 | BKN | 200 | | | 5.00 | TS BR | 71 | 67 | 68 | 87 | 0 | 00 | 29.44 | 29.89 |
| 04 | BKN | 200 | | | 4.00 | BR | 72 | 70 | 71 | 94 | 0 | 00 | 29.29 | 29.75 | 04 | BKN | 200 | | | 6.00 | BR | 68 | 65 | 66 | 90 | 0 | 00 | 29.44 | 29.90 |
| 07 | FEW | NC | | | 5.00 | BR | 75 | 72 | 73 | 90 | 5 | 23 | 29.29 | 29.75 | 07 | FEW | NC | | | 5.00 | BR | 70 | 66 | 67 | 87 | 3 | 29 | 29.48 | 29.94 |
| 10 | SCT | NC | | | 7.00 | | 87 | 75 | 78 | 67 | 8 | 22 | 29.30 | 29.75 | 10 | CLR | NC | | | 6.00 | HZ | 80 | 66 | 71 | 62 | 5 | VR | 29.52 | 29.97 |
| 13 | BKN | 180 | | | 7.00 | | 92 | 73 | 78 | 54 | 13 | 23 | 29.26 | 29.71 | 13 | SCT | NC | | | 6.00 | HZ | 85 | 66 | 72 | 53 | 6 | VR | 29.50 | 29.96 |
| 16 | BKN | 200 | | | 9.00 | | 91 | 72 | 78 | 54 | 12 | 24 | 29.18 | 29.64 | 16 | SCT | NC | | | 5.00 | HZ | 86 | 67 | 73 | 53 | 6 | 04 | 29.47 | 29.93 |
| 19 | SCT | NC | | | 10.00 | | 86 | 68 | 74 | 55 | 6 | 24 | 29.18 | 29.63 | 19 | FEW | NC | | | 4.00 | HZ | 81 | 68 | 72 | 65 | 3 | 01 | 29.49 | 29.95 |
| 22 | BKN | 080 | | | 10.00 | TS | 82 | 66 | 71 | 58 | 6 | VR | 29.24 | 29.70 | 22 | CLR | NC | | | 4.00 | BR | 72 | 68 | 69 | 87 | 0 | 00 | 29.53 | 29.98 |
| | | | SUNRISE: 0511 | | | JUL 15 | SUNSET: 1932 | | | | | | | | | SUNRISE: 0515 | | | JUL 21 | SUNSET: 1928 | | | | | | | | | |
| 01 | BKN | 070 | | | 10.00 | | 79 | 60 | 67 | 52 | 7 | VR | 29.25 | 29.70 | 01 | CLR | NC | | | 3.00 | BR | 70 | 68 | 69 | 93 | 0 | 00 | 29.53 | 29.99 |
| 04 | CLR | NC | | | 10.00 | | 70 | 63 | 66 | 79 | 0 | 00 | 29.26 | 29.72 | 04 | CLR | NC | | | 2.00 | BR | 67 | 66 | 66 | 97 | 0 | 00 | 29.52 | 29.97 |
| 07 | CLR | NC | | | 10.00 | | 72 | 63 | 66 | 73 | 5 | 27 | 29.32 | 29.78 | 07 | CLR | NC | | | 2.50 | BR | 71 | 69 | 70 | 94 | 0 | 00 | 29.56 | 30.02 |
| 10 | FEW | NC | | | 10.00 | | 81 | 60 | 68 | 49 | 12 | 33 | 29.34 | 29.79 | 10 | FEW | NC | | | 6.00 | HZ | 84 | 67 | 73 | 57 | 7 | 01 | 29.57 | 30.03 |
| 13 | SCT | NC | | | 10.00 | | 85 | 57 | 67 | 39 | 8 | 30 | 29.31 | 29.76 | 13 | SCT | NC | | | 8.00 | | 88 | 60 | 70 | 39 | 0 | 00 | 29.55 | 30.01 |
| 16 | SCT | NC | | | 10.00 | | 86 | 58 | 68 | 39 | 12 | 27 | 29.31 | 29.77 | 16 | SCT | NC | | | 6.00 | HZ | 89 | 62 | 71 | 41 | 6 | 08 | 29.51 | 29.97 |
| 19 | SCT | NC | | | 10.00 | | 82 | 57 | 67 | 43 | 5 | 35 | 29.32 | 29.77 | 19 | FEW | NC | | | 5.00 | HZ | 83 | 66 | 72 | 57 | 0 | 00 | 29.51 | 29.97 |
| 22 | CLR | NC | | | 10.00 | | 70 | 59 | 63 | 68 | 0 | 00 | 29.38 | 29.84 | 22 | CLR | NC | | | 6.00 | HZ | 75 | 67 | 70 | 76 | 0 | 00 | 29.52 | 29.98 |
| | | | SUNRISE: 0511 | | | JUL 16 | SUNSET: 1931 | | | | | | | | | SUNRISE: 0516 | | | JUL 22 | SUNSET: 1928 | | | | | | | | | |
| 01 | CLR | NC | | | 10.00 | | 66 | 58 | 61 | 75 | 3 | 32 | 29.39 | 29.85 | 01 | CLR | NC | | | 5.00 | HZ | 72 | 67 | 69 | 84 | 0 | 00 | 29.52 | 29.97 |
| 04 | CLR | NC | | | 10.00 | | 62 | 57 | 59 | 84 | 0 | 00 | 29.37 | 29.83 | 04 | CLR | NC | | | 4.00 | BR | 69 | 65 | 66 | 87 | 0 | 00 | 29.50 | 29.96 |
| 07 | SCT | NC | | | 9.00 | | 68 | 61 | 64 | 78 | 3 | 20 | 29.42 | 29.88 | 07 | FEW | NC | | | 3.00 | HZ | 73 | 68 | 70 | 84 | 0 | 00 | 29.51 | 29.96 |
| 10 | BKN | 250 | | | 10.00 | | 81 | 58 | 67 | 46 | 6 | VR | 29.44 | 29.90 | 10 | BKN | 250 | | | 5.00 | HZ | 84 | 69 | 74 | 61 | 6 | 22 | 29.51 | 29.96 |
| 13 | SCT | NC | | | 10.00 | | 84 | 54 | 66 | 36 | 5 | VR | 29.40 | 29.86 | 13 | OVC | 250 | | | 5.00 | HZ | 90 | 69 | 76 | 50 | 12 | 23 | 29.46 | 29.91 |
| 16 | SCT | NC | | | 10.00 | | 87 | 54 | 67 | 32 | 13 | 22 | 29.37 | 29.83 | 16 | OVC | 130 | | | 5.00 | TS HZ | 77 | 68 | 71 | 74 | 6 | VR | 29.43 | 29.89 |
| 19 | CLR | NC | | | 10.00 | | 80 | 58 | 66 | 47 | 8 | 22 | 29.38 | 29.84 | 19 | OVC | 050 | | | 1.00 | +TSRA BR | 72 | 69 | 70 | 91 | 6 | 27 | 29.46 | 29.92 |
| 22 | FEW | NC | | | 10.00 | | 70 | 60 | 64 | 71 | 0 | 00 | 29.43 | 29.88 | 22 | OVC | 034 | | | 5.00 | -RA BR | 73 | 71 | 72 | 94 | 6 | 36 | 29.46 | 29.92 |
| | | | SUNRISE: 0512 | | | JUL 17 | SUNSET: 1931 | | | | | | | | | SUNRISE: 0516 | | | JUL 23 | SUNSET: 1927 | | | | | | | | | |
| 01 | BKN | 080 | | | 9.00 | | 68 | 61 | 64 | 78 | 0 | 00 | 29.43 | 29.89 | 01 | OVC | 002 | | | 1.50 | -RA BR | 73 | 72 | 72 | 96 | 0 | 00 | 29.44 | 29.90 |
| 04 | CLR | NC | | | 8.00 | | 63 | 59 | 61 | 87 | 0 | 00 | 29.40 | 29.86 | 04 | OVC | 006 | | | 3.00 | BR | 73 | 72 | 72 | 96 | 6 | 18 | 29.39 | 29.85 |
| 07 | BKN | 080 | | | 6.00 | HZ | 69 | 63 | 65 | 81 | 0 | 00 | 29.44 | 29.90 | 07 | OVC | 005 | | | 2.00 | BR | 74 | 73 | 73 | 97 | 3 | 19 | 29.41 | 29.87 |
| 10 | SCT | NC | | | 9.00 | | 84 | 57 | 67 | 40 | 8 | 19 | 29.43 | 29.89 | 10 | BKN | 016 | | | 3.00 | HZ | 79 | 74 | 75 | 85 | 5 | 35 | 29.44 | 29.90 |
| 13 | BKN | 150 | | | 9.00 | | 87 | 59 | 69 | 39 | 10 | 17 | 29.39 | 29.85 | 13 | BKN | 033 | | | 5.00 | HZ | 85 | 72 | 76 | 65 | 7 | 33 | 29.43 | 29.89 |
| 16 | OVC | 100 | | | 8.00 | | 85 | 61 | 70 | 45 | 10 | 17 | 29.36 | 29.82 | 16 | SCT | NC | | | 7.00 | | 87 | 71 | 76 | 59 | 5 | VR | 29.42 | 29.87 |
| 19 | BKN | 090 | | | 7.00 | | 76 | 67 | 70 | 74 | 7 | 16 | 29.37 | 29.83 | 19 | CLR | NC | | | 8.00 | | 84 | 72 | 76 | 67 | 3 | 04 | 29.44 | 29.90 |
| 22 | OVC | 090 | | | 9.00 | | 74 | 68 | 70 | 82 | 0 | 00 | 29.40 | 29.86 | 22 | OVC | 100 | | | 10.00 | -RA | 76 | 68 | 71 | 77 | 9 | 35 | 29.54 | 30.00 |
| | | | SUNRISE: 0513 | | | JUL 18 | SUNSET: 1930 | | | | | | | | | SUNRISE: 0517 | | | JUL 24 | SUNSET: 1926 | | | | | | | | | |
| 01 | OVC | 005 | | | 1.75 | +TSRA BR | 69 | 68 | 68 | 96 | 9 | 34 | 29.38 | 29.84 | 01 | BKN | 120 | | | 8.00 | | 71 | 70 | 70 | 96 | 0 | 00 | 29.52 | 29.98 |
| 04 | BKN | 011 | | | 7.00 | | 69 | 68 | 68 | 96 | 0 | 00 | 29.32 | 29.78 | 04 | BKN | 150 | | | 7.00 | | 71 | 70 | 70 | 96 | 5 | 02 | 29.55 | 30.01 |
| 07 | BKN | 039 | | | 2.50 | BR | 70 | 69 | 69 | 97 | 6 | 06 | 29.36 | 29.82 | 07 | OVC | 006 | | | 5.00 | BR | 72 | 70 | 71 | 94 | 3 | VR | 29.60 | 30.06 |
| 10 | BKN | 050 | | | 10.00 | | 75 | 68 | 70 | 79 | 5 | 08 | 29.36 | 29.82 | 10 | OVC | 030 | | | 6.00 | HZ | 78 | 70 | 73 | 76 | 10 | 35 | 29.62 | 30. |

OBSERVATIONS AT 3-HOURLY INTERVALS

RALEIGH/DURHAM, NC

JULY 2004

RDU

WBAN # 13722

| HOUR (LST) | | | SATELLITE | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | HOUR (LST) | | | SATELLITE | WEATHER | TEMPERATURE °F | | | RELATIVE HUMIDITY (PCT) | WIND | | PRESSURE (INCHES,HG) | | | | | | | | | | | |
|--|------------------------|-------------------|--------------------|---------|----------------|-----------|----------|-------------------------|-------------|-----------------------|----------------------|-----------|------------|--|-------------------|--------------------|---------|----------------|-----------|----------|-------------------------|-------------|-----------------------|----------------------|-----------|-------|-------|--|--|--|--|--|--|--|--|
| | | | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | | DRY BULB | DEW POINT | WET BULB | | SPEED (MPH) | DIRECTION TENS OF DEG | STATION | SEA LEVEL | | | | | | | | | | |
| | OBSERVATION TIME (LST) | EFF CLD AMT Oktas | VISIBILITY (MILES) | | | | | | | | | | | OBSERVATION TIME (LST) | EFF CLD AMT Oktas | VISIBILITY (MILES) | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0518 JUL 25 SUNSET: 1926 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | OVC | 011 | | 5.00 | BR | 70 | 68 | 69 | 93 | 5 | 02 | 29.67 | 30.13 | 01 | CLR | NC | | 10.00 | BR | 75 | 72 | 73 | 90 | 5 | 13 | 29.64 | 30.09 | | | | | | | | |
| 04 | OVC | 006 | | 2.50 | BR | 70 | 68 | 69 | 93 | 5 | VR | 29.65 | 30.11 | 04 | FEW | NC | | 10.00 | | 74 | 72 | 73 | 94 | 3 | VR | 29.61 | 30.06 | | | | | | | | |
| 07 | OVC | 005 | | 2.50 | BR | 69 | 68 | 68 | 96 | 6 | 35 | 29.68 | 30.14 | 07 | OVC | 003 | | 0.13 | BR | 75 | 74 | 74 | 96 | 3 | 13 | 29.62 | 30.08 | | | | | | | | |
| 10 | OVC | 006 | | 8.00 | | 72 | 69 | 70 | 91 | 5 | 01 | 29.69 | 30.16 | 10 | BKN | 030 | | 10.00 | | 82 | 75 | 77 | 79 | 5 | VR | 29.64 | 30.10 | | | | | | | | |
| 13 | OVC | 008 | | 4.00 | BR | 73 | 70 | 71 | 90 | 6 | 02 | 29.68 | 30.14 | 13 | BKN | 040 | | 10.00 | | 82 | 76 | 78 | 82 | 0 | 00 | 29.59 | 30.05 | | | | | | | | |
| 16 | OVC | 009 | | 9.00 | | 75 | 71 | 72 | 88 | 3 | VR | 29.65 | 30.11 | 16 | BKN | 150 | | 10.00 | | 88 | 71 | 76 | 57 | 7 | 12 | 29.54 | 30.00 | | | | | | | | |
| 19 | BKN | 011 | | 10.00 | | 76 | 71 | 73 | 85 | 6 | 02 | 29.64 | 30.10 | 19 | BKN | 085 | | 10.00 | | 77 | 72 | 74 | 85 | 5 | 12 | 29.56 | 30.02 | | | | | | | | |
| 22 | OVC | 014 | | 9.00 | | 73 | 70 | 71 | 90 | 5 | VR | 29.67 | 30.13 | 22 | FEW | NC | | 10.00 | | 77 | 74 | 75 | 90 | 8 | 12 | 29.58 | 30.04 | | | | | | | | |
| SUNRISE: 0518 JUL 26 SUNSET: 1925 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | OVC | 005 | | 7.00 | | 73 | 71 | 72 | 94 | 6 | 35 | 29.63 | 30.09 | 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 Visibilty = 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. | | | | | | | | | | | | | | | | | | | | | |
| 04 | OVC | 003 | | 5.00 | BR | 73 | 71 | 72 | 94 | 0 | 00 | 29.62 | 30.08 | | | | | | | | | | | | | | | | | | | | | | |
| 07 | OVC | 005 | | 6.00 | BR | 74 | 72 | 73 | 94 | 3 | 28 | 29.64 | 30.10 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | OVC | 020 | | 10.00 | | 79 | 71 | 74 | 77 | 3 | 31 | 29.64 | 30.10 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | OVC | 031 | | 10.00 | | 83 | 72 | 75 | 70 | 6 | VR | 29.61 | 30.07 | | | | | | | | | | | | | | | | | | | | | | |
| 16 | OVC | 065 | | 10.00 | | 86 | 71 | 76 | 61 | 0 | 00 | 29.55 | 30.01 | | | | | | | | | | | | | | | | | | | | | | |
| 19 | SCT | NC | | 10.00 | | 82 | 72 | 75 | 72 | 0 | 00 | 29.54 | 30.00 | | | | | | | | | | | | | | | | | | | | | | |
| 22 | SCT | NC | | 9.00 | | 76 | 72 | 73 | 88 | 0 | 00 | 29.55 | 30.01 | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0519 JUL 27 SUNSET: 1924 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | FEW | NC | | 7.00 | | 75 | 71 | 72 | 88 | 3 | 16 | 29.55 | 30.01 | SUMMARY BY HOUR | | | | | | | | | | | | | | | | | | | | | |
| 04 | BKN | 250 | | 4.00 | BR | 74 | 72 | 73 | 94 | 7 | 22 | 29.52 | 29.98 | | | | | | | | | | | | | | | | | | | | | | |
| 07 | BKN | 040 | | 3.00 | BR | 76 | 73 | 74 | 91 | 7 | 22 | 29.55 | 30.01 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | BKN | 250 | | 7.00 | | 86 | 74 | 77 | 67 | 9 | 23 | 29.55 | 30.01 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | BKN | 055 | | 6.00 | HZ | 88 | 74 | 78 | 63 | 9 | 19 | 29.51 | 29.97 | | | | | | | | | | | | | | | | | | | | | | |
| 16 | OVC | 055 | | 7.00 | | 85 | 71 | 75 | 63 | 15 | 29 | 29.49 | 29.94 | | | | | | | | | | | | | | | | | | | | | | |
| 19 | OVC | 070 | | 6.00 | BR | 73 | 72 | 72 | 96 | 5 | 26 | 29.51 | 29.97 | | | | | | | | | | | | | | | | | | | | | | |
| 22 | BKN | 038 | | 4.00 | BR | 74 | 72 | 73 | 94 | 0 | 00 | 29.54 | 30.00 | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0520 JUL 28 SUNSET: 1923 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | OVC | 027 | | 4.00 | BR | 74 | 72 | 73 | 94 | 0 | 00 | 29.52 | 29.98 | AVERAGES RESULTANT WIND (MPH) SPEED DIRECTION | | | | | | | | | | | | | | | | | | | | | |
| 04 | OVC | 023 | | 4.00 | BR | 74 | 72 | 73 | 94 | 0 | 00 | 29.51 | 29.96 | | | | | | | | | | | | | | | | | | | | | | |
| 07 | BKN | 150 | | 2.50 | BR | 75 | 73 | 74 | 94 | 0 | 00 | 29.52 | 29.98 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | BKN | 018 | | 7.00 | | 82 | 74 | 76 | 77 | 0 | 00 | 29.54 | 30.00 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | OVC | 090 | | 5.00 | HZ | 84 | 74 | 77 | 72 | 7 | 23 | 29.51 | 29.97 | | | | | | | | | | | | | | | | | | | | | | |
| 16 | OVC | 045 | | 9.00 | | 82 | 71 | 75 | 69 | 12 | 19 | 29.49 | 29.95 | | | | | | | | | | | | | | | | | | | | | | |
| 19 | OVC | 250 | | 10.00 | | 78 | 72 | 74 | 82 | 6 | 19 | 29.53 | 29.99 | | | | | | | | | | | | | | | | | | | | | | |
| 22 | BKN | 130 | | 9.00 | | 74 | 72 | 73 | 94 | 0 | 00 | 29.55 | 30.01 | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0521 JUL 29 SUNSET: 1923 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | BKN | 100 | | 9.00 | | 75 | 72 | 73 | 90 | 7 | 14 | 29.56 | 30.02 | | | | | | | | | | | | | | | | | | | | | | |
| 04 | OVC | 110 | | 7.00 | | 74 | 72 | 73 | 94 | 3 | 17 | 29.56 | 30.02 | | | | | | | | | | | | | | | | | | | | | | |
| 07 | BKN | 180 | | 6.00 | BR | 76 | 73 | 74 | 91 | 5 | 06 | 29.59 | 30.05 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | OVC | 018 | | 9.00 | -RA | 80 | 73 | 75 | 79 | 7 | 16 | 29.61 | 30.07 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | BKN | 030 | | 10.00 | | 86 | 72 | 76 | 63 | 0 | 00 | 29.58 | 30.03 | | | | | | | | | | | | | | | | | | | | | | |
| 16 | OVC | 026 | | 0.25 | +TSRA BR | 73 | 72 | 72 | 96 | 15 | 24 | 29.59 | 30.06 | | | | | | | | | | | | | | | | | | | | | | |
| 19 | OVC | 025 | | 4.00 | -TSRA BR | 73 | 70 | 71 | 90 | 13 | 21 | 29.60 | 30.06 | | | | | | | | | | | | | | | | | | | | | | |
| 22 | OVC | 080 | | 10.00 | | 71 | 70 | 70 | 96 | 0 | 00 | 29.64 | 30.09 | | | | | | | | | | | | | | | | | | | | | | |
| SUNRISE: 0522 JUL 30 SUNSET: 1922 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | FEW | NC | | 10.00 | | 71 | 69 | 70 | 94 | 0 | 00 | 29.64 | 30.10 | HOUR (LST) CEILOMETER EFF CLD AMT DRY BULB DEW POINT WET BULB RELATIVE HUMIDITY PRESSURE (INCHES,HG) VISIBILITY (MILES) WIND SPEED (MPH) SPEED DIRECTION | | | | | | | | | | | | | | | | | | | | | |
| 04 | VV | 001 | | 0.50 | FG | 72 | 72 | 72 | 100 | 5 | 15 | 29.63 | 30.09 | | | | | | | | | | | | | | | | | | | | | | |
| 07 | OVC | 002 | | 0.25 | FG | 73 | 73 | 73 | 100 | 5 | 17 | 29.66 | 30.12 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | BKN | 020 | | 10.00 | | 82 | 72 | 75 | 72 | 7 | 19 | 29.68 | 30.14 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | BKN | 038 | | 10.00 | | 86 | 68 | 74 | 55 | 5 | VR | 29.64 | 30.10 | | | | | | | | | | | | | | | | | | | | | | |
| 16 | BKN | 060 | | 10.00 | | 81 | 71 | 74 | 72 | 7 | 12 | 29.61 | 30.07 | | | | | | | | | | | | | | | | | | | | | | |
| 19 | SCT | NC | | 10.00 | | 83 | 72 | 75 | 70 | 8 | 15 | 29.61 | 30.06 | | | | | | | | | | | | | | | | | | | | | | |
| 22 | FEW | NC | | 10.00 | | 77 | 72 | 74 | 85 | 5 | 11 | 29.64 | 30.10 | | | | | | | | | | | | | | | | | | | | | | |
| HOUR (LST) CEILOMETER EFF CLD AMT DRY BULB DEW POINT WET BULB RELATIVE HUMIDITY PRESSURE (INCHES,HG) VISIBILITY (MILES) WIND SPEED (MPH) SPEED DIRECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | | | | | 72 | 69 | 70 | 89 | 29.51 | 29.97 | 6.68 | 3 | | | | | | | | | | | | 1 | 24 | | | | | | | | | |
| 02 | | | | | | 72 | 69 | 70 | 91 | 29.50 | 29.96 | 7.02 | 2 | | | | | | | | | | | | 1 | 20 | | | | | | | | | |
| 03 | | | | | | 71 | 69 | 70 | 92 | 29.50 | 29.95 | 6.14 | 3 | | | | | | | | | | | | 1 | 20 | | | | | | | | | |
| 04 | | | | | | 71 | 69 | 69 | 93 | 29.50 | 29.95 | 5.45 | 2 | | | | | | | | | | | | 1 | 21 | | | | | | | | | |
| 05 | | | | | | 70 | 68 | 69 | 94 | 29.50 | 29.96 | 4.82 | 2 | | | | | | | | | | | | 1 | 23 | | | | | | | | | |
| 06 | | | | | | 71 | 69 | 69 | 93 | 29.51 | 29.97 | 3.98 | 2 | 1 | 24 | | | | | | | | | | | | | | | | | | | | |
| 07 | | | | | | 73 | 70 | 71 | 90 | 29.53 | 29.98 | 4.59 | 3 | 1 | 23 | | | | | | | | | | | | | | | | | | | | |
| 08 | | | | | | 77 | 70 | 72 | 81 | 29.53 | 29.99 | 6.31 | 3 | 2 | 24 | | | | | | | | | | | | | | | | | | | | |
| 09 | | | | | | 80 | 70 | 73 | 72 | 29.54 | 29.99 | 7.47 | 4 | 1 | 22 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | 82 | 70 | 74 | 67 | 29.54 | 29.99 | 8.06 | 4 | 1 | 25 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | 85 | 69 | 74 | 61 | 29.53 | 29.99 | 8.55 | 5 | 2 | 22 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | 86 | 69 | 74 | 58 | 29.52 | 29.98 | 8.87 | 4 | 2 | 23 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | 86 | 68 | 74 | 58 | 29.51 | 29.96 | 8.42 | 6 | 3 | 25 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | 87 | 68 | 74 | 57 | 29.49 | 29.95 | 8.55 | 5 | 2 | 22 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | 87 | 68 | 74 | 55 | 29.48 | 29.94 | 8.58 | 6 | 2 | 24 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | 86 | 68 | 74 | 57 | 29.47 | 29.93 | 8.40 | 7 | 3 | 22 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | 84 | 68 | 74 | 60 | 29.47 | 29.93 | 8.29 | 7 | 4 | 24 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | 83 | 69 | 73 | 65 | 29.47 | 29.93 | 7.94 | 7 | 2 | 21 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | 80 | 69 | 73 | 71 | 29.48 | 29.94 | 8.00 | 6 | 1 | 21 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | 77 | 69 | 72 | 78 | 29.49 | 29.95 | 8.61 | 4 | 1 | 18 | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | 76 | 70 | 72 | 82 | 29.51 | 29.96 | 8.48 | 3 | 1 | 21 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | 75 | 69 | 71 | 83 | 29.52 | 29.98 | 8.35 | 3 | 0 | 0 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | 74 | 69 | 71 | 86 | 29.52 | 29.97 | 7.84 | 3 | 1 | 19 | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | 73 | 69 | 71 | 87 | 29.51 | 29.97 | 7.50 | 3 | 1 | 20 | | | | | | | | | | | | | | | | | | | | |

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,

SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.

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

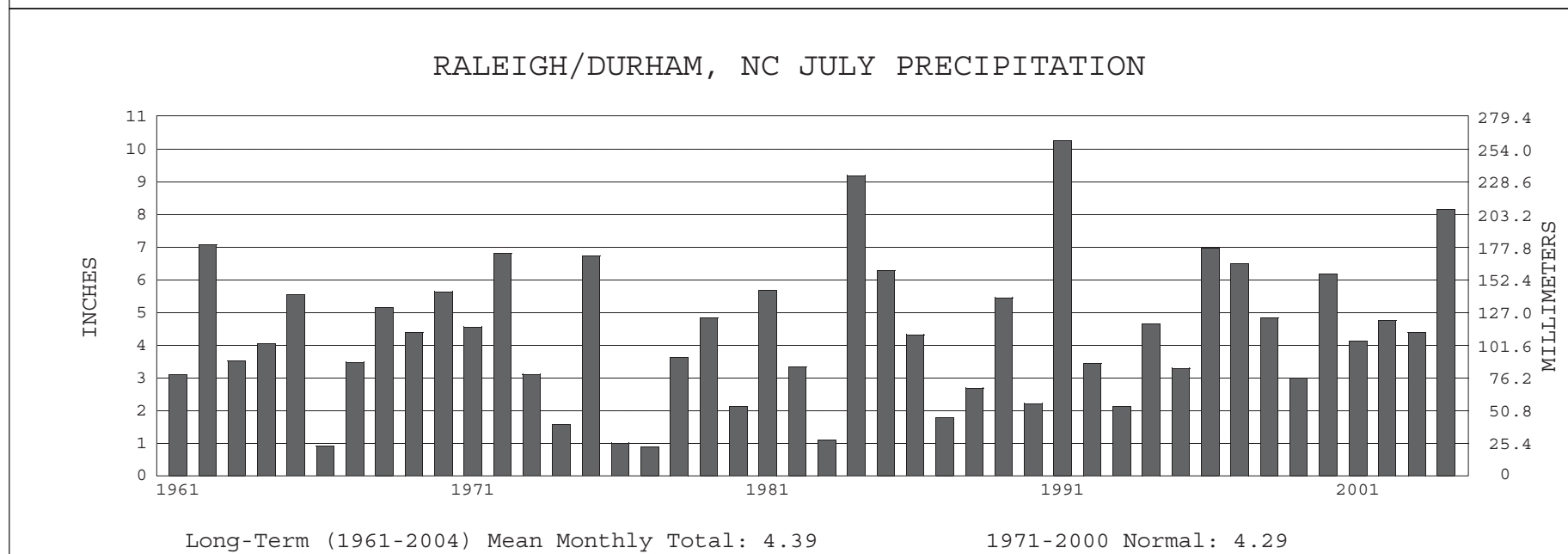
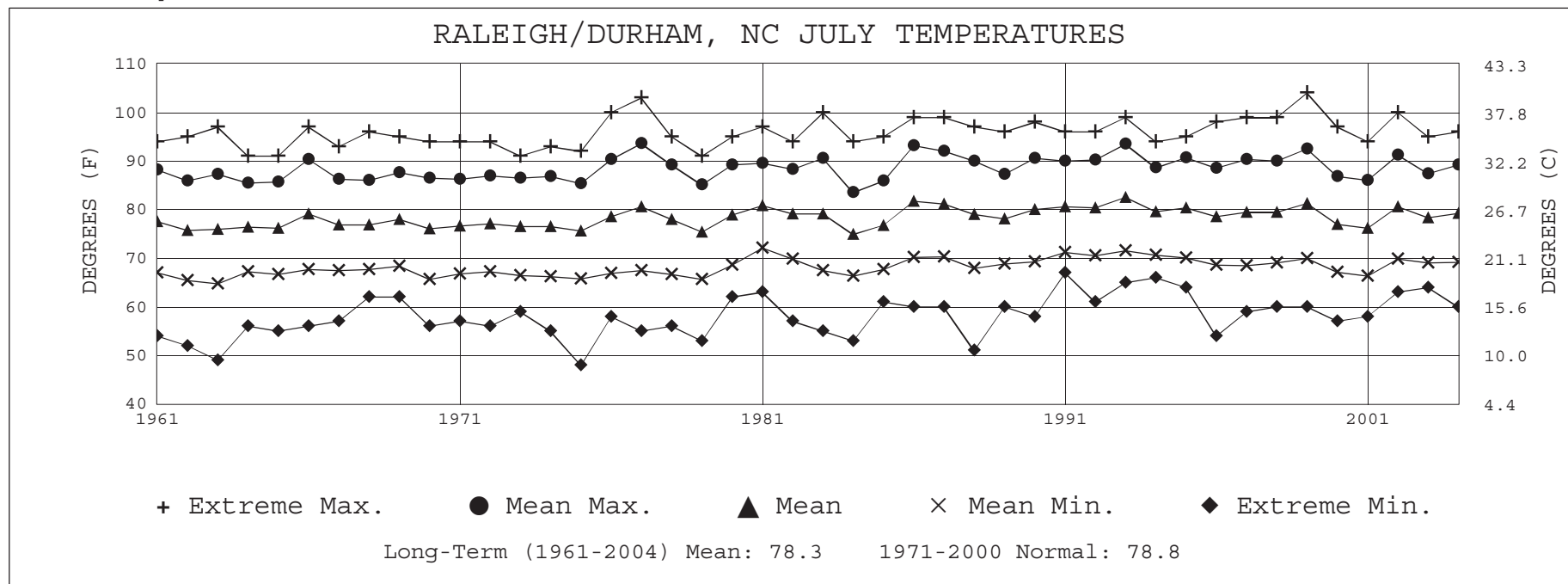
NC= No ceiling detected.

& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

| HOUR (LST) | AVERAGES | | | | | | | | | | RESULTANT 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 | | | 72 | 69 | 70 | 89 | 29.51 | 29.97 | 6.68 | 3 | 1 | 24 |
| 02 | | | 72 | 69 | 70 | 91 | 29.50 | 29.96 | 7.02 | 2 | 1 | 20 |
| 03 | | | 71 | 69 | 70 | 92 | 29.50 | 29.95 | 6.14 | 3 | 1 | 20 |
| 04 | | | 71 | 69 | 69 | 93 | 29.50 | 29.95 | 5.45 | 2 | 1 | 21 |
| 05 | | | 70 | 68 | 69 | 94 | 29.50 | 29.96 | 4.82 | 2 | 1 | 23 |
| 06 | | | 71 | 69 | 69 | 93 | 29.51 | 29.97 | 3.98 | 2 | 1 | 24 |
| 07 | | | 73 | 70 | 71 | 90 | 29.53 | 29.98 | 4.59 | 3 | 1 | 23 |
| 08 | | | 77 | 70 | 72 | 81 | 29.53 | 29.99 | 6.31 | 3 | 2 | 24 |
| 09 | | | 80 | 70 | 73 | 72 | 29.54 | 29.99 | 7.47 | 4 | 1 | 22 |
| 10 | | | 82 | 70 | 74 | 67 | 29.54 | 29.99 | 8.06 | 4 | 1 | 25 |
| 11 | | | 85 | 69 | 74 | 61 | 29.53 | 29.99 | 8.55 | 5 | 2 | 22 |
| 12 | | | 86 | 69 | 74 | 58 | 29.52 | 29.98 | 8.87 | 4 | 2 | 23 |
| 13 | | | 86 | 68 | 74 | 58 | 29.51 | 29.96 | 8.42 | 6 | 3 | 25 |
| 14 | | | 87 | 68 | 74 | 57 | 29.49 | 29.95 | 8.55 | 5 | 2 | 22 |
| 15 | | | 87 | 68 | 74 | 55 | 29.48 | 29.94 | 8.58 | 6 | 2 | 24 |
| 16 | | | 86 | 68 | 74 | 57 | 29.47 | 29.93 | 8.40 | 7 | 3 | 22 |
| 17 | | | 84 | 68 | 74 | 60 | 29.47 | 29.93 | 8.29 | 7 | 4 | 24 |
| 18 | | | 83 | 69 | 73 | 65 | 29.47 | 29.93 | 7.94 | 7 | 2 | 21 |
| 19 | | | 80 | 69 | 73 | 71 | 29.48 | 29.94 | 8.00 | 6 | 1 | 21 |
| 20 | | | 77 | 69 | 72 | 78 | 29.49 | 29.95 | 8.61 | 4 | 1 | 18 |
| 21 | | | 76 | 70 | 72 | 82 | 29.51 | 29.96 | 8.48 | 3 | 1 | 21 |
| 22 | | | 75 | 69 | 71 | 83 | 29.52 | 29.98 | 8.35 | 3 | 0 | 0 |
| 23 | | | 74 | 69 | 71 | 86 | 29.52 | 29.97 | 7.84 | 3 | 1 | 19 |
| 24 | | | 73 | 69 | 71 | 87 | 29.51 | 29.97 | 7.50 | 3 | 1 | 20 |





JULY 2004

RALEIGH/DURHAM, NC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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