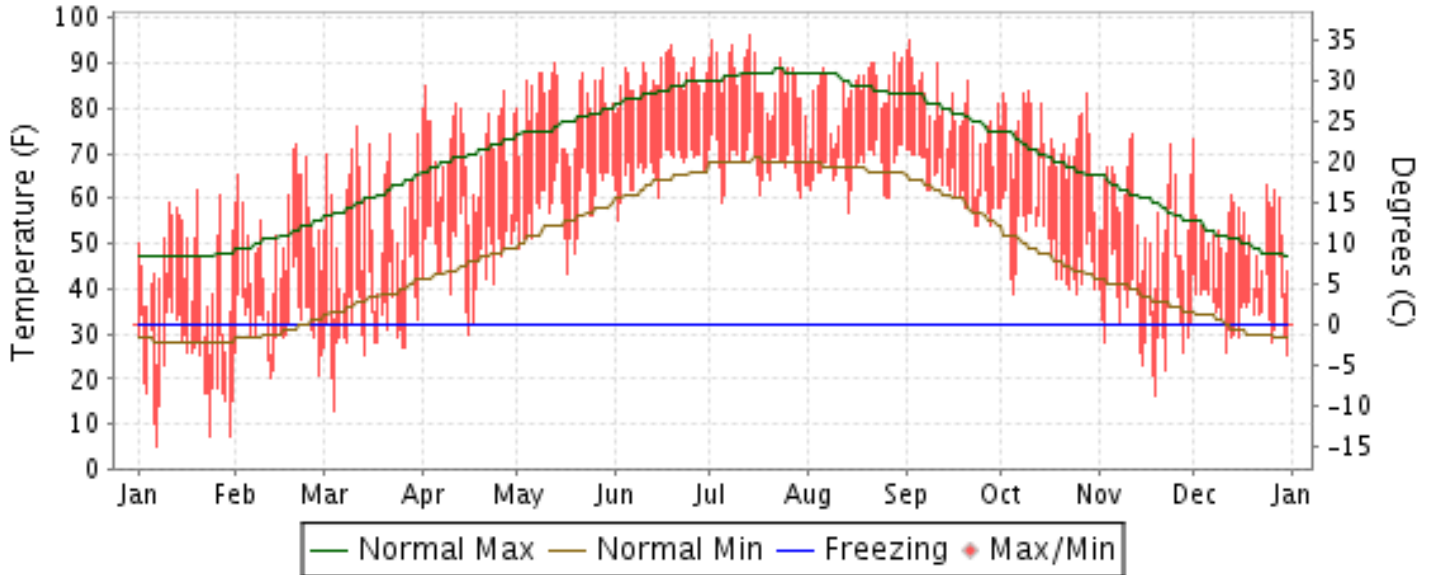




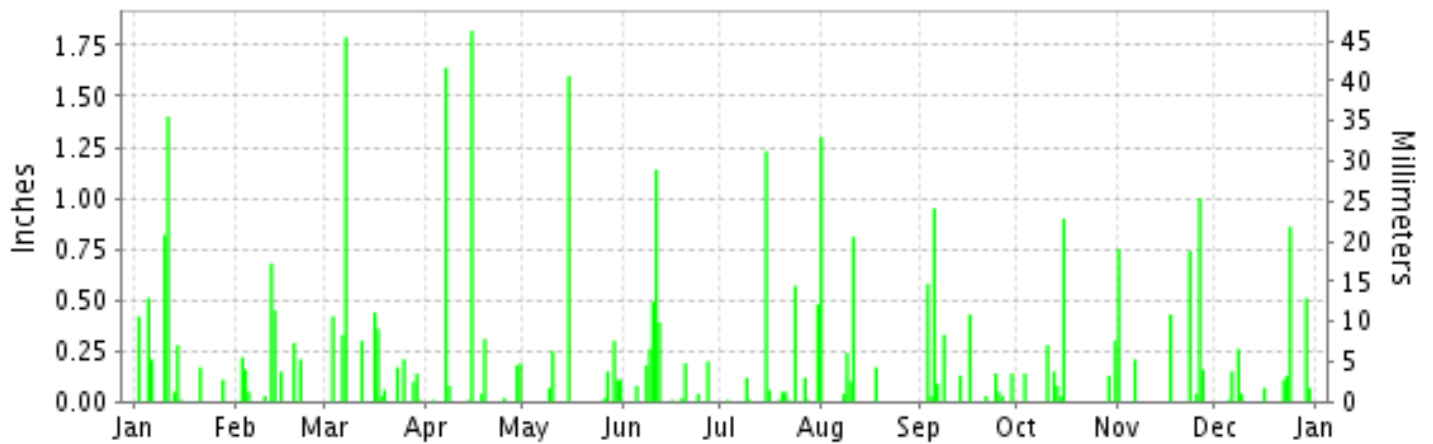
# 2014 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

ISSN 0198-375X

## GREENSBORO, NORTH CAROLINA (KGSO) Daily Max/Min Temperature



## Daily Precipitation



## Daily Station Pressure



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AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2014

## GREENSBORO (KGSO)

LATITUDE: 36° 5'N      LONGITUDE: 79° 56'W      ELEVATION (FT): GRND: 890 BARO: 907      TIME ZONE: EASTERN (UTC -5)      WBAN: 13723

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |    |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 44.2  | 52.0  | 56.4  | 71.2  | 80.8  | 86.7  | 86.7  | 83.2  | 78.8  | 73.2  | 56.3  | 52.5   | 68.5      |    |
|                      | HIGHEST DAILY MAXIMUM       | 62    | 72    | 76    | 85    | 90    | 94    | 96    | 92    | 95    | 84    | 74    | 73     | 96        |    |
|                      | DATE OF OCCURRENCE          | 20+   | 20    | 11    | 02    | 13    | 19    | 14    | 28    | 02    | 10    | 12    | 01     | JUL 14    |    |
|                      | MEAN DAILY MINIMUM          | 22.8  | 31.8  | 32.6  | 47.4  | 58.1  | 66.6  | 67.4  | 66.5  | 62.8  | 49.6  | 34.4  | 35.1   | 47.9      |    |
|                      | LOWEST DAILY MINIMUM        | 5     | 20    | 13    | 30    | 43    | 55    | 59    | 57    | 54    | 39    | 16    | 25     | 5         |    |
|                      | DATE OF OCCURRENCE          | 07    | 12    | 04    | 16    | 17    | 02    | 05    | 14    | 28+   | 25+   | 19    | 31     | JAN 07    |    |
|                      | AVERAGE DRY BULB            | 33.5  | 41.9  | 44.5  | 59.3  | 69.5  | 76.7  | 77.1  | 74.9  | 70.8  | 61.4  | 45.3  | 43.8   | 58.2      |    |
|                      | MEAN WET BULB               | 28.0  |       | 37.3  | 50.0  | 60.7  | 68.2  | 68.6  | 68.7  | 65.4  | 54.5  | 39.8  |        |           |    |
|                      | MEAN DEW POINT              | 16.5  |       | 26.6  | 39.8  | 54.5  | 64.0  | 64.2  | 65.6  | 62.8  | 48.7  | 31.2  |        |           |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 1     | 7     | 10    | 5     | 4     | 0     | 0     | 0      | 0         | 27 |
|                      | MAXIMUM <= 32°              | 5     | 1     | 0     | 0     | 0     | 7     | 0     | 0     | 0     | 0     | 0     | 0      | 0         | 13 |
| MINIMUM <= 32°       | 25                          | 15    | 18    | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 14    | 9     | 83     |           |    |
| MINIMUM <= 0°        | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0         |    |
| H/C                  | HEATING DEGREE DAYS         | 968   | 639   | 627   | 183   | 31    | 0     | 0     | 0     | 17    | 151   | 582   | 651    | 3849      |    |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 20    | 177   | 357   | 384   | 315   | 199   | 47    | 0     | 0      | 1499      |    |
| RH                   | MEAN (PERCENT)              | 54    | 56    | 56    | 54    | 62    | 69    | 69    | 76    | 80    | 68    | 60    | 69     | 64        |    |
|                      | HOUR 01 LST                 | 62    | 63    | 62    | 64    | 76    | 82    | 80    | 89    | 90    | 83    | 70    | 75     | 75        |    |
|                      | HOUR 07 LST                 | 67    | 67    | 62    | 61    | 68    | 75    | 77    | 81    | 86    | 78    | 70    | 78     | 73        |    |
|                      | HOUR 13 LST                 | 43    | 45    | 49    | 41    | 45    | 50    | 51    | 60    | 65    | 48    | 45    | 57     | 50        |    |
|                      | HOUR 19 LST                 | 54    | 52    | 55    | 48    | 59    | 67    | 67    | 75    | 82    | 68    | 59    | 71     | 63        |    |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 1         |    |
|                      | THUNDERSTORMS               | 1     | 2     | 2     | 2     | 4     | 7     | 5     | 1     | 3     | 1     | 0     | 0      | 28        |    |
| PR                   | MEAN STATION PRESS. (IN.)   | 29.11 | 29.09 | 29.07 | 29.07 | 29.11 | 29.08 | 29.09 | 29.09 | 29.15 | 29.04 | 29.15 | 29.19  | 29.10     |    |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 30.08 | 30.04 | 30.03 | 30.01 | 30.03 | 29.99 | 30.00 | 30.01 | 30.09 | 29.97 | 30.10 | 30.15  | 30.04     |    |
| WINDS                | RESULTANT SPEED (MPH)       | 3.6   | 1.1   | 2.0   | 0.8   | 3.3   | 1.6   | 2.4   | 1.2   | 2.3   | 2.8   | 2.5   | 2.5    | 1.4       |    |
|                      | RES. DIR. (TENS OF DEGS.)   | 27    | 32    | 31    | 26    | 24    | 23    | 23    | 04    | 03    | 25    | 27    | 34     | 28        |    |
|                      | MEAN SPEED (MPH)            | 7.2   | 7.1   | 8.8   | 8.6   | 7.0   | 6.0   | 6.2   | 5.2   | 5.8   | 6.7   | 6.9   | 6.5    | 6.8       |    |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 21    | 06    | 21    | 05    | 23    | 23    | 22    | 07    | 03    | 21    | 22    | 03     | 03        |    |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | SPEED (MPH)                 | 36    | 37    | 41    | 29    | 31    | 40    | 31    | 18    | 21    | 25    | 28    | 23     | 41        |    |
|                      | DIR. (TENS OF DEGS.)        | 30    | 26    | 28    | 06    | 26    | 24    | 27    | 06    | 06    | 27    | 31    | 31     | 28        |    |
|                      | DATE OF OCCURRENCE          | 03    | 21    | 12    | 20    | 09    | 10    | 08    | 25    | 23    | 15    | 07    | 10     | MAR 12    |    |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | SPEED (MPH)                 | 46    | 54    | 61    | 36    | 41    | 49    | 41    | 26    | 28    | 35    | 36    | 33     | 61        |    |
| DIR. (TENS OF DEGS.) | 30                          | 26    | 29    | 05    | 26    | 25    | 33    | 03    | 26    | 17    | 31    | 32    | 29     |           |    |
| DATE OF OCCURRENCE   | 03                          | 21    | 12    | 20    | 09    | 10    | 27    | 25    | 21    | 14    | 07    | 10    | MAR 12 |           |    |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | TOTAL (IN.)                 | 3.98  | 2.24  | 4.36  | 4.30  | 2.61  | 3.00  | 2.73  | 2.66  | 2.93  | 2.01  | 3.33  | 2.21   | 36.36     |    |
|                      | GREATEST 24-HOUR (IN.)      | 1.62  | 1.00  | 2.12  | 1.83  | 1.60  | 1.62  | 1.29  | 1.30  | 0.97  | 0.92  | 1.00  | 0.94   | 2.12      |    |
|                      | DATE OF OCCURRENCE          | 10-11 | 12-13 | 06-07 | 14-15 | 15    | 10-11 | 15-16 | 01    | 04-05 | 14-15 | 26    | 23-24  | MAR 06-07 |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| PRECIPITATION 0.01   | 10                          | 9     | 13    | 10    | 8     | 11    | 13    | 6     | 12    | 8     | 7     | 10    | 117    |           |    |
| PRECIPITATION 0.10   | 8                           | 7     | 10    | 5     | 6     | 7     | 5     | 5     | 7     | 6     | 6     | 6     | 78     |           |    |
| PRECIPITATION 1.00   | 1                           | 0     | 1     | 2     | 1     | 1     | 1     | 1     | 0     | 0     | 1     | 0     | 9      |           |    |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | TOTAL (IN.)                 | 1.6   | 9.0   | 4.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T      | 15.3      |    |
|                      | GREATEST 24-HOUR (IN.)      | 1.2   | 7.0   | 3.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T      | 7.0       |    |
|                      | DATE OF OCCURRENCE          | 28    | 12    | 07    |       |       |       |       |       |       |       |       | 20     | FEB 12    |    |
|                      | MAXIMUM SNOW DEPTH (IN.)    | 1     | 5     | 3     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 5         |    |
|                      | DATE OF OCCURRENCE          | 29    | 13    | 08    |       |       |       |       |       |       |       |       |        | FEB 13    |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| SNOWFALL >= 1.0      | 1                           | 2     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 5      |           |    |

# NORMALS, MEANS, AND EXTREMES GREENSBORO (KGSO)

**LATITUDE:** 36° 5'N      **LONGITUDE:** 79° 56'W      **ELEVATION (FT):** GRND: 890 BARO: 907      **TIME ZONE:** EASTERN (UTC -5)      **WBAN: 13723**

|  | ELEMENT   | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| <b>TEMPERATURE °F</b>                    | NORMAL DAILY MAXIMUM                              | 30   | 48.3  | 52.5  | 60.9  | 70.2  | 77.5  | 84.8  | 87.9  | 86.3  | 79.7  | 70.3  | 60.8  | 50.7     | 69.2     |
|  | MEAN DAILY MAXIMUM                                | 112  | 48.8  | 49.8  | 60.4  | 69.5  | 78.4  | 84.0  | 87.8  | 86.4  | 79.7  | 71.0  | 59.5  | 50.6     | 68.8     |
|  | HIGHEST DAILY MAXIMUM                             | 86   | 78    | 81    | 90    | 94    | 98    | 102   | 102   | 103   | 100   | 95    | 85    | 78       | 103      |
|  | YEAR OF OCCURRENCE                                |      | 2002  | 1977  | 1945  | 1930  | 1941  | 2012  | 1977  | 1988  | 1954  | 1954  | 1974  | 2007     | AUG 1988 |
|  | MEAN OF EXTREME MAXS.                             | 113  | 68.0  | 70.4  | 78.8  | 85.8  | 89.2  | 94.2  | 95.5  | 94.3  | 90.9  | 83.8  | 76.2  | 68.9     | 83.0     |
|  | NORMAL DAILY MINIMUM                              | 30   | 29.5  | 32.4  | 39.1  | 47.3  | 56.1  | 65.3  | 69.1  | 68.0  | 60.6  | 48.8  | 39.6  | 32.0     | 49.0     |
|  | MEAN DAILY MINIMUM                                | 112  | 29.1  | 29.4  | 37.5  | 45.5  | 55.2  | 62.7  | 67.5  | 66.4  | 59.1  | 47.6  | 37.1  | 30.9     | 47.3     |
|  | LOWEST DAILY MINIMUM                              | 86   | -8    | -4    | 5     | 21    | 32    | 42    | 48    | 45    | 35    | 20    | 10    | 0        | -8       |
|  | YEAR OF OCCURRENCE                                |      | 1985  | 1936  | 1960  | 1943  | 1989  | 1977  | 1933  | 1986  | 1942  | 1962  | 1970  | 1962     | JAN 1985 |
|  | MEAN OF EXTREME MINS.                             | 113  | 10.7  | 15.0  | 21.1  | 30.5  | 40.7  | 52.0  | 58.7  | 57.0  | 46.0  | 32.2  | 22.2  | 14.8     | 33.4     |
|  | NORMAL DRY BULB                                   | 30   | 38.9  | 42.4  | 50.0  | 58.8  | 66.8  | 75.1  | 78.5  | 77.1  | 70.2  | 59.5  | 50.2  | 41.3     | 59.1     |
|  | MEAN DRY BULB                                     | 112  | 39.0  | 39.6  | 49.0  | 57.5  | 66.8  | 73.4  | 77.6  | 76.4  | 69.4  | 59.3  | 48.3  | 40.8     | 58.1     |
|  | MEAN WET BULB                                     | 31   | 31.7  | 34.1  | 40.2  | 48.6  | 58.0  | 65.5  | 69.2  | 68.4  | 62.4  | 51.9  | 41.9  | 34.8     | 50.6     |
|  | MEAN DEW POINT                                    | 31   | 28.8  | 30.8  | 36.9  | 45.6  | 55.9  | 64.1  | 68.1  | 67.4  | 61.2  | 50.2  | 39.8  | 31.6     | 48.4     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30   | 0.0   | 0.0   | 0.0   | 0.1   | 0.7   | 6.3   | 11.2  | 8.5   | 1.9   | 0.1   | 0.0   | 0.0      | 28.8     |
|  | MAXIMUM <= 32                                     | 30   | 1.7   | 0.4   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.8      | 3.0      |
|  | MINIMUM <= 32                                     | 30   | 18.9  | 14.1  | 7.1   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.5   | 6.6   | 17.1     | 65.3     |
| MINIMUM <= 0                             | 30  | 0.1  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1      |          |
| <b>H/C</b>                               | NORMAL HEATING DEG. DAYS                          | 30   | 809   | 632   | 470   | 221   | 66    | 6     | 0     | 1     | 30    | 202   | 447   | 734      | 3618     |
|  | NORMAL COOLING DEG. DAYS                          | 30   | 0     | 0     | 5     | 33    | 121   | 307   | 419   | 377   | 185   | 33    | 3     | 1        | 1484     |
| <b>RH</b>                                | NORMAL (PERCENT)                                  | 30   | 67    | 64    | 62    | 61    | 70    | 72    | 74    | 76    | 77    | 73    | 69    | 68       | 69       |
|  | HOURLY 01 LST                                     | 30   | 74    | 70    | 70    | 71    | 81    | 84    | 86    | 87    | 88    | 84    | 78    | 75       | 79       |
|  | HOURLY 07 LST                                     | 30   | 78    | 77    | 77    | 77    | 82    | 84    | 87    | 90    | 91    | 88    | 83    | 79       | 83       |
|  | HOURLY 13 LST                                     | 30   | 56    | 53    | 50    | 47    | 54    | 56    | 58    | 59    | 60    | 54    | 54    | 56       | 55       |
|  | HOURLY 19 LST                                     | 30   | 64    | 57    | 54    | 52    | 61    | 65    | 67    | 69    | 73    | 72    | 66    | 65       | 64       |
| <b>S</b>                                 | PERCENT POSSIBLE SUNSHINE                         | 67   | 51    | 56    | 60    | 63    | 63    | 64    | 62    | 61    | 62    | 64    | 57    | 53       | 60       |
| <b>W/O</b>                               | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 51   | 4.1   | 2.9   | 2.6   | 1.5   | 1.6   | 1.3   | 1.4   | 2.1   | 2.5   | 2.4   | 2.7   | 3.4      | 28.5     |
|  | THUNDERSTORMS                                     | 67   | 0.5   | 0.6   | 2.0   | 3.5   | 6.3   | 7.7   | 9.9   | 7.4   | 3.1   | 1.0   | 0.6   | 0.2      | 42.8     |
| <b>CLOUDINESS</b>                        | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      | 1    | 1.0   | 2.0   | 6.0   |       | 10.0  | 12.0  |       |       |       |       |       |          |          |
|  | PARTLY CLOUDY                                     | 1    | 1.0   | 3.0   | 3.0   |       | 4.0   | 3.0   |       |       |       |       |       |          |          |
|  | CLOUDY  | 1    | 3.0   | 4.0   | 8.0   |       | 6.0   | 4.0   |       |       |       |       |       |          |          |
| <b>PR</b>                                | MEAN STATION PRESSURE(IN)                         | 31   | 29.16 | 29.13 | 29.10 | 29.06 | 29.08 | 29.07 | 29.10 | 29.11 | 29.14 | 29.15 | 29.18 | 29.17    | 29.12    |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 31   | 30.12 | 30.09 | 30.05 | 30.00 | 30.01 | 30.00 | 30.02 | 30.03 | 30.07 | 30.09 | 30.13 | 30.14    | 30.06    |
| <b>WINDS</b>                             | MEAN SPEED (MPH)                                  | 31   | 7.7   | 8.0   | 8.5   | 8.6   | 7.4   | 6.7   | 6.3   | 5.8   | 6.1   | 6.2   | 6.8   | 7.1      | 7.1      |
|  | PREVAIL.DIR(TENS OF DEGS)                         | 45   | 22    | 22    | 22    | 22    | 22    | 22    | 23    | 23    | 03    | 04    | 22    | 22       | 22       |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 19   | 41    | 43    | 49    | 43    | 62    | 43    | 41    | 40    | 46    | 35    | 38    | 39       | 62       |
|  | DIR. (TENS OF DEGS)                               |      | 19    | 26    | 30    | 26    | 27    | 27    | 10    | 12    | 26    | 28    | 02    | 27       | 27       |
|  | YEAR OF OCCURRENCE                                |      | 1996  | 2008  | 1997  | 2011  | 2000  | 2002  | 2004  | 2006  | 2000  | 2012  | 2006  | 2007     | MAY 2000 |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 19   | 54    | 54    | 61    | 62    | 82    | 59    | 53    | 52    | 60    | 46    | 48    | 51       | 82       |
|  | DIR. (TENS OF DEGS)                               |      | 22    | 26    | 29    | 28    | 26    | 25    | 11    | 12    | 25    | 29    | 24    | 23       | 26       |
| YEAR OF OCCURRENCE                       |   | 1996 | 2014  | 2014  | 2007  | 2000  | 2002  | 2004  | 2006  | 2000  | 2012  | 2003  | 2009  | MAY 2000 |          |
| <b>PRECIPITATION</b>                     | NORMAL (IN)                                       | 30   | 3.06  | 2.96  | 3.73  | 3.57  | 3.38  | 3.73  | 4.48  | 3.88  | 4.19  | 3.13  | 3.11  | 2.98     | 42.20    |
|  | MAXIMUM MONTHLY (IN)                              | 86   | 8.24  | 7.04  | 8.76  | 8.03  | 8.35  | 10.50 | 12.72 | 12.53 | 13.26 | 12.59 | 8.26  | 6.44     | 13.26    |
|  | YEAR OF OCCURRENCE                                |      | 1937  | 1929  | 1975  | 1987  | 1982  | 2006  | 1984  | 1939  | 1947  | 1990  | 1985  | 1973     | SEP 1947 |
|  | MINIMUM MONTHLY (IN)                              | 86   | 0.66  | 0.73  | 0.67  | 0.41  | 0.37  | T     | 0.98  | 0.71  | T     | 0.26  | 0.24  | 0.33     | 0.24     |
|  | YEAR OF OCCURRENCE                                |      | 1981  | 1978  | 1985  | 1995  | 1936  | 1990  | 1953  | 1972  | 1985  | 2000  | 2012  | 1955     | NOV 2012 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 86   | 3.06  | 3.00  | 3.62  | 4.42  | 3.25  | 4.91  | 4.43  | 5.14  | 7.49  | 6.24  | 3.32  | 3.60     | 7.49     |
|  | YEAR OF OCCURRENCE                                |      | 1936  | 1934  | 1991  | 1987  | 1989  | 1972  | 1944  | 2008  | 1947  | 1954  | 1962  | 1958     | SEP 1947 |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30   | 9.3   | 9.1   | 10.4  | 9.2   | 10.3  | 9.7   | 11.3  | 9.4   | 7.4   | 7.3   | 8.0   | 9.2      | 110.6    |
| PRECIPITATION >= 1.00                    | 30  | 0.7  | 0.7   | 0.8   | 0.7   | 0.8   | 0.9   | 1.2   | 1.2   | 1.3   | 1.0   | 0.9   | 0.6   | 10.8     |          |
| <b>SNOWFALL</b>                          | NORMAL (IN)                                       | 30   | 3.4   | 2.4   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.8      | 7.5      |
|  | MAXIMUM MONTHLY (IN)                              | 86   | 22.9  | 16.3  | 21.3  | T     | T     | T     | T     | T     | 0.0   | 0.0   | 5.9   | 14.3     | 22.9     |
|  | YEAR OF OCCURRENCE                                |      | 1966  | 1979  | 1960  | 2013  | 2006  | 2013  | 1995  | 2006  |       |       | 1968  | 1930     | JAN 1966 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 86   | 14.0  | 9.3   | 11.1  | T     | T     | T     | T     | T     | 0.0   | 0.0   | 5.0   | 14.3     | 14.3     |
|  | YEAR OF OCCURRENCE                                |      | 1940  | 1979  | 1960  | 2013  | 1993  | 2013  | 1995  | 2006  |       |       | 1968  | 1930     | DEC 1930 |
|  | MAXIMUM SNOW DEPTH (IN)                           | 66   | 15    | 13    | 14    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 4     | 6        | 15       |
|  | YEAR OF OCCURRENCE                                |      | 1966  | 1966  | 1960  |       |       |       |       |       |       |       | 1968  | 1973     | JAN 1966 |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 0.8  | 0.8   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 2.3      |          |

**PRECIPITATION (inches) 2014 GREENSBORO (KGSO)**

| YEAR            | JAN  | FEB  | MAR  | APR  | MAY  | JUN   | JUL  | AUG  | SEP   | OCT   | NOV  | DEC  | ANNUAL |
|-----------------|------|------|------|------|------|-------|------|------|-------|-------|------|------|--------|
| 1985            | 4.34 | 3.77 | 0.67 | 0.94 | 4.32 | 2.25  | 4.31 | 4.86 | T     | 1.92  | 8.26 | 1.46 | 37.10  |
| 1986            | 0.74 | 1.61 | 2.00 | 0.47 | 1.12 | 1.10  | 3.21 | 8.03 | 1.05  | 3.24  | 3.50 | 3.60 | 29.67  |
| 1987            | 3.77 | 4.72 | 3.24 | 8.03 | 2.48 | 1.20  | 5.80 | 3.55 | 7.22  | 0.71  | 3.66 | 3.38 | 47.76  |
| 1988            | 2.35 | 1.27 | 1.86 | 2.55 | 3.97 | 3.19  | 4.47 | 3.50 | 3.24  | 4.09  | 3.55 | 1.19 | 35.23  |
| 1989            | 0.93 | 4.48 | 5.71 | 3.23 | 6.36 | 7.09  | 2.96 | 2.31 | 6.08  | 5.04  | 2.92 | 3.53 | 50.64  |
| 1990            | 3.76 | 4.32 | 2.64 | 2.90 | 6.54 | T     | 1.50 | 2.01 | 1.16  | 12.59 | 1.93 | 4.17 | 43.52  |
| 1991            | 4.53 | 1.15 | 7.75 | 6.66 | 3.89 | 1.96  | 3.95 | 1.91 | 3.66  | 1.90  | 1.67 | 2.80 | 41.83  |
| 1992            | 3.54 | 3.02 | 2.74 | 5.83 | 2.34 | 2.92  | 5.43 | 2.97 | 3.06  | 3.66  | 6.05 | 2.48 | 44.04  |
| 1993            | 3.65 | 3.40 | 7.61 | 6.08 | 2.95 | 3.14  | 3.28 | 2.31 | 2.82  | 1.25  | 2.58 | 3.28 | 42.35  |
| 1994            | 3.66 | 2.49 | 5.04 | 1.45 | 1.71 | 3.92  | 4.51 | 5.84 | 1.61  | 1.13  | 2.55 | 0.60 | 34.51  |
| 1995            | 2.94 | 3.59 | 1.84 | 0.41 | 2.15 | 9.53  | 2.39 | 5.41 | 2.26  | 5.98  | 3.49 | 1.36 | 41.35  |
| 1996            | 4.49 | 2.38 | 4.29 | 3.67 | 3.84 | 1.93  | 4.71 | 5.22 | 10.82 | 4.21  | 2.57 | 3.87 | 52.00  |
| 1997            | 2.89 | 3.43 | 4.06 | 7.22 | 1.79 | 3.33  | 3.03 | 1.97 | 3.88  | 2.38  | 2.65 | 2.17 | 38.80  |
| 1998            | 6.88 | 4.39 | 3.65 | 5.52 | 5.04 | 3.53  | 3.86 | 5.63 | 2.34  | 0.62  | 1.55 | 5.22 | 48.23  |
| 1999            | 5.39 | 1.50 | 1.96 | 4.37 | 1.00 | 4.26  | 4.14 | 5.00 | 8.62  | 2.32  | 1.28 | 2.04 | 41.88  |
| 2000            | 4.03 | 1.54 | 2.95 | 4.47 | 2.31 | 4.05  | 2.18 | 3.97 | 9.98  | T     | 1.95 | 1.14 | 38.57  |
| 2001            | 2.53 | 2.51 | 5.05 | 1.81 | 2.69 | 3.09  | 4.06 | 3.08 | 2.05  | 0.41  | 0.34 | 2.21 | 29.83  |
| 2002            | 4.47 | 1.05 | 3.13 | 0.55 | 2.99 | 3.73  | 3.10 | 4.42 | 3.75  | 5.75  | 4.29 | 4.45 | 41.68  |
| 2003            | 2.35 | 4.91 | 6.69 | 6.39 | 6.83 | 4.39  | 7.64 | 9.22 | 7.90  | 1.72  | 1.63 | 2.65 | 62.32  |
| 2004            | 0.89 | 2.41 | 1.61 | 2.53 | 2.00 | 2.35  | 7.13 | 2.09 | 8.79  | 0.61  | 4.59 | 2.85 | 37.85  |
| 2005            | 1.81 | 2.66 | 3.18 | 2.24 | 1.83 | 3.91  | 5.33 | 1.84 | 0.23  | 2.92  | 3.63 | 4.08 | 33.66  |
| 2006            | 2.38 | 1.54 | 0.95 | 2.71 | 2.44 | 10.50 | 6.72 | 5.29 | 7.19  | 2.95  | 5.95 | 1.73 | 50.35  |
| 2007            | 2.92 | 2.27 | 3.31 | 4.97 | 0.54 | 2.20  | 2.38 | 1.36 | 0.88  | 6.61  | 0.84 | 3.19 | 31.47  |
| 2008            | 0.95 | 2.65 | 4.31 | 5.45 | 1.60 | 2.58  | 1.86 | 7.08 | 4.88  | 1.33  | 2.80 | 3.30 | 38.79  |
| 2009            | 2.58 | 1.58 | 4.59 | 3.02 | 3.59 | 5.67  | 1.11 | 3.12 | 4.07  | 3.82  | 7.86 | 5.03 | 46.04  |
| 2010            | 4.73 | 2.87 | 4.83 | 1.71 | 3.98 | 1.62  | 7.33 | 3.27 | 6.74  | 2.63  | 0.80 | 2.20 | 42.71  |
| 2011            | 1.12 | 2.36 | 4.37 | 3.17 | 3.58 | 2.70  | 3.55 | 1.37 | 7.25  | 4.28  | 6.78 | 3.02 | 43.55  |
| 2012            | 1.68 | 1.99 | 2.92 | 2.23 | 4.66 | 2.21  | 4.47 | 6.58 | 4.64  | 2.44  | 0.24 | 2.72 | 36.78  |
| 2013            | 5.47 | 3.20 | 2.85 | 3.75 | 3.08 | 8.37  | 6.02 | 5.65 | 2.13  | 1.11  | 3.61 | 5.19 | 50.43  |
| 2014            | 3.98 | 2.24 | 4.36 | 4.30 | 2.61 | 3.00  | 2.73 | 2.66 | 2.93  | 2.01  | 3.33 | 2.21 | 36.36  |
| POR=<br>112 YRS | 3.42 | 3.23 | 3.88 | 3.40 | 3.56 | 4.01  | 4.70 | 4.45 | 3.79  | 2.93  | 2.79 | 3.30 | 43.46  |

WBAN : 13723

**AVERAGE TEMPERATURE (°F) 2014 GREENSBORO (KGSO)**

| YEAR            | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1985            | 32.8 | 40.6 | 51.7 | 61.0 | 66.8 | 73.1 | 75.7 | 73.4 | 67.9 | 61.1 | 56.2 | 37.6 | 58.2   |
| 1986            | 37.1 | 42.3 | 49.7 | 60.5 | 66.5 | 77.3 | 80.8 | 73.6 | 71.1 | 61.3 | 50.7 | 40.2 | 59.3   |
| 1987            | 36.4 | 38.8 | 47.9 | 55.6 | 68.9 | 75.9 | 80.1 | 78.9 | 71.6 | 53.1 | 50.6 | 42.2 | 58.3   |
| 1988            | 33.0 | 40.4 | 49.4 | 57.0 | 65.2 | 72.4 | 78.1 | 79.7 | 68.5 | 53.2 | 49.6 | 39.5 | 57.2   |
| 1989            | 42.2 | 40.4 | 49.4 | 56.8 | 63.2 | 75.4 | 77.5 | 74.8 | 69.5 | 59.4 | 48.8 | 32.7 | 57.5   |
| 1990            | 45.3 | 48.5 | 52.7 | 58.1 | 66.0 | 75.2 | 79.3 | 77.3 | 70.5 | 61.2 | 52.4 | 46.3 | 61.1   |
| 1991            | 40.8 | 45.2 | 52.4 | 60.7 | 71.5 | 75.0 | 79.5 | 76.2 | 70.6 | 60.3 | 48.5 | 44.9 | 60.5   |
| 1992            | 42.1 | 45.2 | 48.5 | 57.5 | 62.4 | 71.1 | 79.5 | 73.0 | 69.3 | 56.6 | 48.9 | 39.7 | 57.8   |
| 1993            | 40.4 | 38.2 | 45.4 | 56.9 | 69.1 | 75.5 | 82.0 | 78.2 | 72.2 | 58.3 | 49.0 | 39.0 | 58.7   |
| 1994            | 34.2 | 42.3 | 50.2 | 61.2 | 63.1 | 75.5 | 77.7 | 74.1 | 67.5 | 57.8 | 51.6 | 45.2 | 58.4   |
| 1995            | 40.0 | 39.5 | 51.9 | 60.1 | 67.3 | 72.9 | 79.4 | 79.4 | 68.8 | 60.1 | 44.5 | 36.9 | 58.4   |
| 1996            | 35.5 | 40.4 | 44.2 | 56.3 | 66.4 | 74.7 | 77.0 | 74.3 | 68.5 | 58.4 | 43.9 | 41.9 | 56.8   |
| 1997            | 37.1 | 43.9 | 53.0 | 53.2 | 62.0 | 70.3 | 77.8 | 74.7 | 68.9 | 58.3 | 45.0 | 38.9 | 56.9   |
| 1998            | 42.6 | 44.2 | 47.9 | 57.7 | 68.3 | 75.5 | 78.7 | 76.6 | 73.3 | 60.5 | 50.8 | 45.0 | 60.1   |
| 1999            | 42.7 | 43.3 | 45.5 | 59.9 | 66.1 | 72.8 | 78.6 | 77.5 | 67.9 | 57.5 | 53.4 | 43.2 | 59.0   |
| 2000            | 37.2 | 44.9 | 53.6 | 56.2 | 68.8 | 75.0 | 75.5 | 75.4 | 67.2 | 60.3 | 46.6 | 33.0 | 57.8   |
| 2001            | 38.7 | 45.1 | 45.9 | 59.8 | 66.3 | 75.3 | 74.6 | 77.0 | 67.3 | 57.4 | 54.8 | 46.1 | 59.0   |
| 2002            | 41.5 | 42.5 | 49.6 | 62.1 | 65.5 | 75.6 | 78.9 | 76.9 | 71.8 | 60.2 | 48.2 | 39.5 | 59.4   |
| 2003            | 36.4 | 40.0 | 53.0 | 58.5 | 64.3 | 71.9 | 76.1 | 77.4 | 68.8 | 58.3 | 54.4 | 39.2 | 58.2   |
| 2004            | 36.7 | 38.7 | 51.2 | 58.7 | 71.7 | 74.7 | 78.1 | 74.9 | 70.4 | 61.4 | 52.4 | 41.5 | 59.2   |
| 2005            | 42.5 | 43.7 | 46.9 | 58.3 | 64.2 | 74.5 | 79.8 | 79.3 | 73.9 | 61.6 | 51.7 | 39.3 | 59.6   |
| 2006            | 46.5 | 42.4 | 51.3 | 62.4 | 65.0 | 74.3 | 78.8 | 79.4 | 68.2 | 57.3 | 51.5 | 46.3 | 60.3   |
| 2007            | 43.3 | 38.7 | 55.7 | 58.4 | 67.9 | 75.3 | 77.0 | 83.2 | 73.9 | 66.0 | 50.3 | 47.0 | 61.4   |
| 2008            | 39.8 | 45.1 | 51.5 | 58.2 | 66.3 | 78.9 | 78.3 | 76.7 | 71.0 | 57.8 | 46.6 | 44.5 | 59.6   |
| 2009            | 37.7 | 43.2 | 49.0 | 59.4 | 68.3 | 76.0 | 76.6 | 78.7 | 70.0 | 58.7 | 52.3 | 39.0 | 59.1   |
| 2010            | 36.0 | 36.6 | 51.1 | 62.9 | 70.6 | 79.9 | 80.9 | 79.7 | 74.6 | 62.1 | 49.8 | 33.1 | 59.8   |
| 2011            | 35.5 | 45.3 | 49.7 | 61.5 | 68.1 | 78.1 | 81.1 | 79.1 | 71.2 | 57.8 | 52.2 | 46.7 | 60.5   |
| 2012            | 42.8 | 45.4 | 59.1 | 59.4 | 70.6 | 74.0 | 81.3 | 76.5 | 70.1 | 58.9 | 46.4 | 46.8 | 60.9   |
| 2013            | 42.6 | 40.4 | 44.1 | 59.5 | 65.3 | 74.7 | 77.6 | 74.7 | 70.1 | 61.1 | 46.1 | 44.5 | 58.4   |
| 2014            | 33.5 | 41.9 | 44.5 | 59.3 | 69.5 | 76.7 | 77.1 | 74.9 | 70.8 | 61.4 | 45.3 | 43.8 | 58.2   |
| POR=<br>112 YRS | 39.0 | 39.6 | 49.0 | 57.5 | 66.8 | 73.4 | 77.6 | 76.4 | 69.4 | 59.3 | 48.3 | 40.8 | 58.1   |

**HEATING DEGREE DAYS (base 65°F) 2014 GREENSBORO (KGSO)**

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1985-86 | 1   | 0   | 65  | 151 | 263 | 843 | 857 | 629 | 472 | 176 | 68  | 0   | 3525  |
| 1986-87 | 0   | 17  | 13  | 174 | 426 | 761 | 880 | 724 | 524 | 291 | 34  | 0   | 3844  |
| 1987-88 | 0   | 0   | 4   | 361 | 422 | 699 | 984 | 705 | 478 | 241 | 56  | 23  | 3973  |
| 1988-89 | 0   | 0   | 24  | 368 | 455 | 781 | 702 | 685 | 492 | 279 | 133 | 0   | 3919  |
| 1989-90 | 0   | 1   | 48  | 206 | 481 | 994 | 601 | 458 | 397 | 237 | 51  | 4   | 3478  |
| 1990-91 | 0   | 0   | 31  | 161 | 371 | 573 | 739 | 546 | 391 | 167 | 24  | 2   | 3005  |
| 1991-92 | 0   | 0   | 29  | 171 | 495 | 619 | 703 | 567 | 505 | 255 | 132 | 8   | 3484  |
| 1992-93 | 0   | 0   | 38  | 258 | 474 | 777 | 756 | 746 | 600 | 244 | 18  | 0   | 3911  |
| 1993-94 | 0   | 0   | 23  | 232 | 482 | 803 | 949 | 630 | 452 | 154 | 125 | 0   | 3850  |
| 1994-95 | 0   | 0   | 19  | 227 | 392 | 608 | 769 | 709 | 397 | 182 | 47  | 0   | 3350  |
| 1995-96 | 0   | 0   | 33  | 185 | 609 | 863 | 904 | 705 | 636 | 266 | 86  | 2   | 4289  |
| 1996-97 | 0   | 0   | 18  | 208 | 628 | 709 | 856 | 584 | 365 | 351 | 124 | 53  | 3896  |
| 1997-98 | 0   | 0   | 23  | 241 | 593 | 799 | 686 | 575 | 533 | 225 | 33  | 13  | 3721  |
| 1998-99 | 0   | 0   | 7   | 153 | 420 | 617 | 684 | 601 | 596 | 187 | 38  | 6   | 3309  |
| 1999-00 | 6   | 0   | 31  | 236 | 341 | 671 | 856 | 575 | 354 | 264 | 29  | 5   | 3368  |
| 2000-01 | 0   | 0   | 62  | 165 | 546 | 984 | 809 | 553 | 584 | 209 | 39  | 0   | 3951  |
| 2001-02 | 0   | 0   | 61  | 248 | 303 | 582 | 720 | 624 | 471 | 162 | 105 | 0   | 3276  |
| 2002-03 | 0   | 0   | 1   | 217 | 495 | 782 | 877 | 692 | 369 | 207 | 85  | 5   | 3730  |
| 2003-04 | 0   | 0   | 22  | 206 | 331 | 792 | 871 | 758 | 428 | 224 | 32  | 0   | 3664  |
| 2004-05 | 0   | 1   | 7   | 131 | 379 | 720 | 690 | 590 | 553 | 212 | 78  | 10  | 3371  |
| 2005-06 | 0   | 0   | 3   | 162 | 397 | 791 | 568 | 629 | 428 | 135 | 90  | 0   | 3203  |
| 2006-07 | 0   | 0   | 31  | 253 | 398 | 574 | 663 | 729 | 319 | 239 | 64  | 3   | 3273  |
| 2007-08 | 0   | 0   | 7   | 91  | 437 | 556 | 775 | 570 | 414 | 214 | 39  | 0   | 3103  |
| 2008-09 | 0   | 0   | 14  | 239 | 543 | 626 | 837 | 604 | 497 | 199 | 47  | 0   | 3606  |
| 2009-10 | 0   | 0   | 14  | 205 | 375 | 800 | 890 | 791 | 421 | 109 | 35  | 0   | 3640  |
| 2010-11 | 0   | 0   | 4   | 123 | 449 | 980 | 910 | 543 | 470 | 162 | 48  | 0   | 3689  |
| 2011-12 | 0   | 0   | 20  | 222 | 380 | 557 | 682 | 563 | 206 | 194 | 17  | 4   | 2845  |
| 2012-13 | 0   | 0   | 17  | 210 | 552 | 555 | 686 | 684 | 641 | 195 | 97  | 0   | 3637  |
| 2013-14 | 0   | 2   | 14  | 160 | 558 | 636 | 968 | 639 | 627 | 183 | 31  | 0   | 3818  |
| 2014-   | 0   | 0   | 17  | 151 | 582 | 651 |     |     |     |     |     |     |       |

WBAN : 13723

**COOLING DEGREE DAYS (base 65°F) 2014 GREENSBORO (KGSO)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1985 | 0   | 1   | 18  | 47  | 109 | 259 | 339 | 268 | 159 | 36  | 7   | 0   | 1243  |
| 1986 | 0   | 0   | 3   | 49  | 123 | 376 | 496 | 291 | 202 | 67  | 5   | 0   | 1612  |
| 1987 | 0   | 0   | 0   | 13  | 162 | 333 | 473 | 438 | 212 | 0   | 0   | 0   | 1631  |
| 1988 | 0   | 0   | 2   | 10  | 71  | 249 | 411 | 461 | 137 | 8   | 0   | 0   | 1349  |
| 1989 | 0   | 3   | 13  | 39  | 79  | 320 | 392 | 313 | 189 | 40  | 0   | 0   | 1388  |
| 1990 | 0   | 0   | 23  | 37  | 86  | 317 | 451 | 390 | 202 | 47  | 0   | 0   | 1553  |
| 1991 | 0   | 0   | 9   | 46  | 232 | 310 | 454 | 352 | 202 | 33  | 5   | 5   | 1648  |
| 1992 | 0   | 0   | 0   | 37  | 58  | 198 | 457 | 252 | 175 | 6   | 0   | 0   | 1183  |
| 1993 | 0   | 0   | 0   | 9   | 154 | 321 | 530 | 414 | 247 | 34  | 10  | 0   | 1719  |
| 1994 | 0   | 0   | 1   | 47  | 71  | 326 | 399 | 292 | 101 | 11  | 0   | 0   | 1248  |
| 1995 | 0   | 0   | 0   | 41  | 128 | 244 | 454 | 451 | 153 | 39  | 0   | 0   | 1510  |
| 1996 | 0   | 0   | 0   | 13  | 140 | 301 | 378 | 294 | 132 | 11  | 0   | 0   | 1269  |
| 1997 | 0   | 0   | 2   | 2   | 39  | 219 | 406 | 306 | 146 | 38  | 0   | 0   | 1158  |
| 1998 | 0   | 0   | 9   | 14  | 144 | 332 | 432 | 363 | 265 | 18  | 0   | 6   | 1583  |
| 1999 | 0   | 0   | 0   | 40  | 79  | 251 | 434 | 396 | 124 | 13  | 0   | 0   | 1337  |
| 2000 | 0   | 0   | 6   | 9   | 152 | 314 | 329 | 331 | 134 | 24  | 2   | 0   | 1301  |
| 2001 | 0   | 0   | 0   | 57  | 87  | 315 | 304 | 379 | 137 | 18  | 5   | 0   | 1302  |
| 2002 | 1   | 0   | 2   | 82  | 127 | 325 | 440 | 375 | 214 | 72  | 0   | 0   | 1638  |
| 2003 | 0   | 0   | 6   | 18  | 69  | 221 | 350 | 394 | 142 | 6   | 17  | 0   | 1223  |
| 2004 | 0   | 0   | 7   | 42  | 245 | 298 | 415 | 316 | 173 | 28  | 10  | 0   | 1534  |
| 2005 | 0   | 0   | 0   | 17  | 58  | 299 | 468 | 453 | 274 | 62  | 4   | 0   | 1635  |
| 2006 | 0   | 0   | 10  | 64  | 98  | 284 | 434 | 455 | 135 | 21  | 2   | 0   | 1503  |
| 2007 | 0   | 0   | 38  | 48  | 162 | 319 | 381 | 572 | 279 | 131 | 0   | 3   | 1933  |
| 2008 | 0   | 0   | 1   | 17  | 84  | 424 | 420 | 368 | 198 | 23  | 0   | 0   | 1535  |
| 2009 | 0   | 0   | 8   | 36  | 158 | 336 | 368 | 432 | 169 | 14  | 0   | 0   | 1521  |
| 2010 | 0   | 0   | 0   | 52  | 215 | 449 | 500 | 463 | 296 | 38  | 0   | 0   | 2013  |
| 2011 | 0   | 0   | 8   | 63  | 152 | 397 | 505 | 447 | 213 | 9   | 4   | 0   | 1798  |
| 2012 | 0   | 0   | 29  | 34  | 199 | 283 | 510 | 364 | 177 | 27  | 0   | 0   | 1623  |
| 2013 | 0   | 0   | 0   | 37  | 113 | 299 | 400 | 310 | 172 | 50  | 0   | 8   | 1389  |
| 2014 | 0   | 0   | 0   | 20  | 177 | 357 | 384 | 315 | 199 | 47  | 0   | 0   | 1499  |

**SNOWFALL (inches) 2014 GREENSBORO (KGSO)**

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC | JAN  | FEB  | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-------|
| 1985-86        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T    | 1.1  | 0.0 | 0.0 | 0.0 | 0.0 | 1.4   |
| 1986-87        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.2 | 9.0  | 0.2 | T   | 0.0 | 0.0 | 23.4  |
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 8.6  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 8.9   |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T    | 13.3 | T   | T   | 0.0 | 0.0 | 13.6  |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0  | T    | T   | 0.0 | 0.0 | 0.0 | 2.5   |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T    | T    | T   | 0.0 | 0.0 | 0.0 | T     |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0  | T    | 0.0 | T   | 0.0 | 0.0 | T     |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T    | 1.2  | 5.7 | T   | T   | 0.0 | 6.9   |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.1  | 1.2  | 0.2 | 0.0 | 0.0 | 0.0 | 3.5   |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1  | T    | 0.4 | 0.0 | 0.0 | 0.0 | 0.5   |
| 1995-96        | T   | 0.0 | 0.0 | 0.0 | 0.0 | T   | 13.4 |      |     |     |     |     |       |
| 1996-97        |     |     |     |     | T   |     | 2.0  | 1.8  | 0.0 | T   | 0.0 | 0.0 |       |
| 1997-98        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 0.3  | 0.0  | T   | 0.0 | 0.0 | 0.0 | 5.5   |
| 1998-99        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6  | 1.1  | T   | 0.0 | 0.0 | 0.0 | 2.3   |
| 1999-00        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 15.3 | T    | 0.0 | 0.0 | 0.0 | 0.0 | 15.3  |
| 2000-01        | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.3 | 0.1  | 2.4  | T   | T   | 0.0 | T   | 4.5   |
| 2001-02        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2  | T    | 0.0 | 0.0 | 0.0 | 0.0 | 8.2   |
| 2002-03        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 5.3  | 4.0  | 1.2 | 0.0 | T   | 0.0 | 15.2  |
| 2003-04        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.5  | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.5  |
| 2004-05        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7  | T    | 1.0 | 0.0 | 0.0 | 0.0 | 1.7   |
| 2005-06        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0  | 1.3  | T   | 0.0 | T   | 0.0 | 1.3   |
| 2006-07        | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.7  | 0.1  | 0.0 | T   | 0.0 | 0.0 | 0.8   |
| 2007-08        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 1.5  | 2.5  | T   | T   | 0.0 | 0.0 | 4.0   |
| 2008-09        | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.5  | 0.1  | 5.7 | 0.0 | 0.0 | 0.0 | 6.9   |
| 2009-10        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 6.4  | 4.2  | 3.0 | 0.0 | 0.0 | 0.0 | 16.6  |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 1.4  | 0.3  | T   | 0.0 | 0.0 | 0.0 | 9.9   |
| 2011-12        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 1.6  | T   | 0.0 | 0.0 | 0.0 | 1.6   |
| 2012-13        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0  | 0.6  | T   | T   | 0.0 | T   | 3.6   |
| 2013-14        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 1.6  | 9.0  | 4.7 | 0.0 | 0.0 | 0.0 | 15.3  |
| 2014-          | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   |      |      |     |     |     |     |       |
| POR=<br>96 YRS | T   | T   | 0.0 | 0.0 | 0.2 | 1.3 | 3.2  | 2.4  | 1.7 | 0.1 | T   | T   | 8.9   |

WBAN : 13723

**REFERENCE NOTES :**

|   |   |
|---|---|
| <p>PAGE 1:<br/>THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3:<br/>H/C INDICATES HEATING AND COOLING DEGREE DAYS.<br/>RH INDICATES RELATIVE HUMIDITY<br/>W/O INDICATES WEATHER AND OBSTRUCTIONS<br/>S INDICATES SUNSHINE.<br/>PR INDICATES PRESSURE.<br/>CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL:<br/>T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.<br/>+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.<br/>BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.<br/>ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.<br/>PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.<br/>POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.<br/>WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.<br/>0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.<br/>CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET<br/>CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED:<br/>WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.<br/>RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.<br/>AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.<br/>SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN</p> | <p>PRECIPITATION, INCLUDING HAIL.<br/>A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.<br/>DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.<br/>DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.<br/>WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.<br/>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.<br/>STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:<br/><a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</a><br/>SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b><br/>The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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# 2014 GREENSBORO NORTH CAROLINA (KGSO)

The Greensboro-High Point-Winston-Salem Regional Airport is located in the west-central part of Guilford County, in the northern Piedmont section of North Carolina. The location is near the headwaters of the Haw and Deep Rivers, both branches of the Cape Fear River system. A few miles west is a ridge beyond which lies the Yadkin River Basin. To the north, across a similar ridge, the waters of the Dan River flow northeastward into the Roanoke. West, beyond the Yadkin River Basin, the land gradually rises into the Brushy Mountains. To the northwest, other outcroppings southeast of the Blue Ridge rise into peaks occasionally exceeding 2,500 feet. The Blue Ridge proper forms a northeast-southwest barrier with heights occasionally exceeding 3,000 feet.

Winter temperatures and rainfall are both modified by the mountain barrier, but to a lesser extent than in areas closer to the Appalachian Range. Shallow cold air masses from the west tend to be stopped or turned aside by the mountains, while deeper masses are lifted over the range, losing moisture and warming during the passage. For this reason the lowest temperatures recorded in Forsyth and Guilford Counties usually occur when clear, cold air drifts southward, east of the Appalachian Range. The summer temperatures vary with the cloudiness and shower activity, but are generally mild.

Northwesterly winds seldom bring heavy or prolonged winter rain or snow. Flurries of light snow may fall when cold air blows across the mountains, but the heavier winter precipitation comes with winds blowing from northeast through east and south to southwest. When moist winds blowing from an easterly or southerly direction meet cold air moving out of the north or northwest in the vicinity of North Carolina, snow, sleet, or glaze may occur. Glazing is more common here than in most of North Carolina, but only occasionally becomes severe enough to do much damage in the northern Piedmont area.

Seasonal snowfall has a wide range and there have been a few winters with only a trace of snow. Snow seldom stays on the ground more than a few days.

Summer precipitation is largely from thunderstorms, mostly local in character. The frequency of these showers and the amount of rain received varies greatly from year to year and from place to place. Sizeable areas are sometimes without significant rain in late spring or early summer for two or more weeks, while other areas in the vicinity may be well watered.

Damaging storms are infrequent in the Northern Piedmont area. The highest winds to occur have been associated with thunderstorms, and were of brief duration. Hail is reported within Guilford and Forsyth Counties each year. The occurrence of tornadoes is rare. Hurricanes have produced heavy rainfall here, but no winds of destructive force.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 27 and the average last occurrence in the spring is April 11.

# Station History

GREENSBORO, NC

| NAME                              | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform      |
|-----------------------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| GREENSBORO REGIONAL AP            | 1974-07-31 | 1977-01-01 | 36° 4'   | -79° 57'  | 902            |            | COOP, WXSVC   |
| GREENSBORO PIEDMONT TRIAD INTL AP | 1988-08-31 | 1995-10-01 | 36° 4'   | -79° 57'  | 897            |            | COOP          |
| GREENSBORO HIGH POINT AP          | 1928-11-01 | 1928-12-31 | 36° 4'   | -79° 57'  |                |            | AIRWAYS       |
| GREENSBORO HIGH POINT AP          | 1930-01-01 | 1948-08-01 | 36° 4'   | -79° 57'  |                |            | AIRWAYS       |
| GREENSBORO HIGH POINT AP          | 1969-01-01 | 1974-07-31 | 36° 4'   | -79° 57'  | 902            |            | COOP, WXSVC   |
| GREENSBORO REGIONAL AP            | 1981-12-31 | 1988-08-31 | 36° 4'   | -79° 57'  | 897            |            | COOP          |
| GREENSBORO REGIONAL AP            | 1977-01-01 | 1981-12-31 | 36° 4'   | -79° 57'  | 897            |            | COOP, WXSVC   |
| GREENSBORO HIGH POINT AP          | 1929-04-01 | 1929-10-31 | 36° 4'   | -79° 57'  |                |            | AIRWAYS       |
| GREENSBORO PIEDMONT TRIAD INTL AP | 2009-03-27 | 2011-06-22 | 36° 4'   | -79° 57'  | 890            |            | ASOS, COOP    |
| GREENSBORO HIGH POINT AP          | 1948-08-01 | 1969-01-01 | 36° 4'   | -79° 57'  | 902            |            | AIRWAYS, COOP |
| GREENSBORO PIEDMONT TRIAD INTL AP | 1995-10-01 | 2009-03-27 | 36° 5'   | -79° 56'  | 897            |            | ASOS, COOP    |
| GREENSBORO PIEDMONT TRIAD INTL AP | 2011-06-22 | Present    | 36° 5'   | -79° 56'  | 890            |            | ASOS, COOP    |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| TEMP    | 1991-08-19 | 1995-07-01 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 2009-03-27 | 2009-06-30 | DAILY     | 2400                | PCPNX       |                           |                    |
| PRECIP  | 2009-03-27 | 2009-06-30 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| PRECIP  | 1974-07-01 | 1991-08-19 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 2009-06-30 | Present    | DAILY     | 2400                | PCPNX       |                           |                    |
| TEMP    | 1974-07-01 | 1991-08-19 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1995-07-01 | 1995-10-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 2009-03-27 | 2009-06-30 | DAILY     | 2400                | ATEMP       |                           |                    |
| TEMP    | 1995-07-01 | 1995-10-01 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1995-10-01 | 2009-03-27 | HOURLY    | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 2009-06-30 | Present    | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP  | 1928-11-01 | 1974-07-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1974-07-01 | 1991-08-19 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1995-10-01 | 2009-03-27 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 2009-06-30 | Present    | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| TEMP    | 1928-11-01 | 1974-07-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1991-08-19 | 1995-07-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| WIND    | 2009-06-30 | Present    | HOURLY    | UNKN                | ANEMSONIC   |                           |                    |
| TEMP    | 1995-10-01 | 2009-03-27 | DAILY     | 2400                | HYGR        |                           |                    |
| WIND    | 1995-10-01 | 2009-03-27 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| WIND    | 2009-03-27 | 2009-06-30 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| PRECIP  | 1991-08-19 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1995-07-01 | 1995-10-01 | HOURLY    | 2400                | UNIV        | RCRD                      |                    |

\* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asos2implementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)