

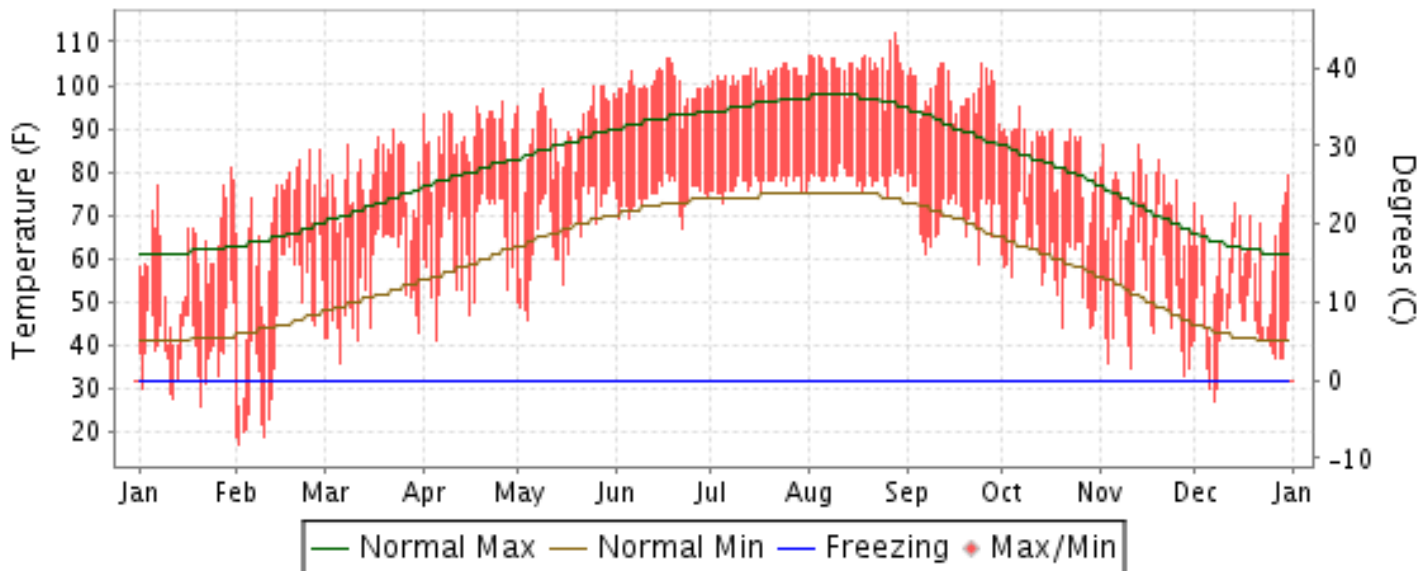


# 2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

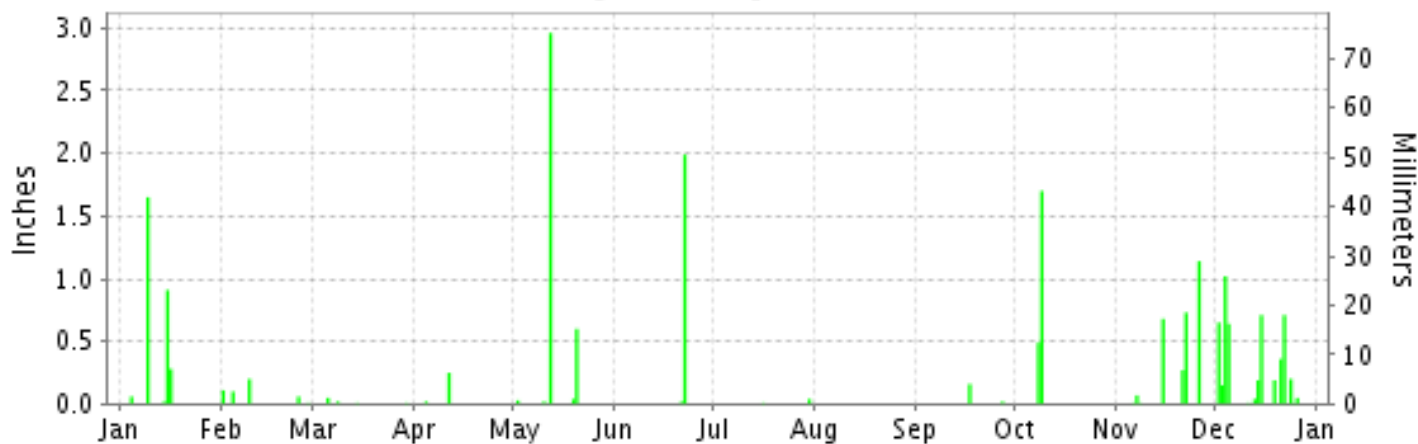
ISSN 1528-7432

## AUSTIN/CITY, TEXAS (KATT)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
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NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2011

## AUSTIN/CITY (KATT)

LATITUDE: 30° 19'N      LONGITUDE: -97° 45'W      ELEVATION (FT): GRND: 670 BARO: 696      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13958

| ELEMENT                  |                                      | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | YEAR   |     |
|--------------------------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----|
| TEMPERATURE °F           | MEAN DAILY MAXIMUM                   | 60.0  | 67.1  | 78.4  | 88.7  | 89.7  | 99.9  | 102.1 | 104.8 | 98.7  | 84.3  | 73.2  | 60.8  | 84.0   |     |
|                          | HIGHEST DAILY MAXIMUM                | 81    | 85    | 90    | 96    | 100   | 106   | 105   | 112   | 105   | 95    | 86    | 79    | 112    |     |
|                          | DATE OF OCCURRENCE                   | 30    | 27+   | 23    | 26    | 25+   | 18+   | 25+   | 28    | 25+   | 07    | 13+   | 31    | AUG 28 |     |
|                          | MEAN DAILY MINIMUM                   | 39.4  | 43.0  | 54.8  | 63.5  | 66.4  | 74.2  | 77.2  | 78.5  | 70.1  | 59.1  | 50.7  | 43.6  | 60.0   |     |
|                          | LOWEST DAILY MINIMUM                 | 26    | 17    | 36    | 41    | 46    | 67    | 73    | 74    | 59    | 44    | 33    | 27    | 17     |     |
|                          | DATE OF OCCURRENCE                   | 21    | 02    | 06    | 05    | 04    | 22    | 05    | 26    | 24    | 29+   | 28    | 07    | FEB 02 |     |
|                          | AVERAGE DRY BULB                     | 49.7  | 55.1  | 66.6  | 76.1  | 78.1  | 87.1  | 89.7  | 91.7  | 84.4  | 71.7  | 62.0  | 52.2  | 72.0   |     |
|                          | MEAN WET BULB                        | 42.6  |       | 56.7  | 64.2  | 66.4  | 73.0  | 74.1  | 74.0  | 65.9  | 61.0  |       |       |        |     |
|                          | MEAN DEW POINT                       | 34.0  |       | 48.8  | 55.5  | 59.4  | 66.2  | 67.1  | 65.6  | 54.1  | 51.8  | 46.8  | 41.1  |        |     |
|                          | NUMBER OF DAYS WITH:                 |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | MAXIMUM >= 90°                       | 0     | 0     | 1     | 15    | 19    | 30    | 31    | 31    | 30    | 7     | 0     | 0     | 0      | 164 |
| MAXIMUM <= 32°           | 0                                    | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2      |     |
| MINIMUM <= 32°           | 6                                    | 9     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 18    |        |     |
| MINIMUM <= 0°            | 0                                    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |     |
| H/C                      | HEATING DEGREE DAYS                  | 472   | 333   | 81    | 7     | 16    | 0     | 0     | 0     | 0     | 29    | 164   | 392   | 1494   |     |
|                          | COOLING DEGREE DAYS                  | 3     | 63    | 140   | 347   | 428   | 667   | 771   | 834   | 588   | 245   | 80    | 4     | 4170   |     |
| RH                       | MEAN (PERCENT)                       | 61    | 61    | 59    | 56    | 58    | 56    | 53    | 47    | 41    | 55    | 60    | 71    | 57     |     |
|                          | HOUR 00 LST                          | 67    | 68    | 68    | 69    | 68    | 69    | 62    | 54    | 44    | 66    | 68    | 78    | 65     |     |
|                          | HOUR 06 LST                          | 74    | 76    | 76    | 76    | 78    | 83    | 82    | 75    | 63    | 78    | 80    | 82    | 77     |     |
|                          | HOUR 12 LST                          | 53    | 56    | 49    | 41    | 46    | 40    | 37    | 33    | 29    | 42    | 49    | 65    | 45     |     |
|                          | HOUR 18 LST                          | 51    | 45    | 41    | 38    | 42    | 33    | 33    | 27    | 26    | 39    | 48    | 65    | 41     |     |
| S                        | PERCENT POSSIBLE SUNSHINE            |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| W/O                      | NUMBER OF DAYS WITH:                 |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | HEAVY FOG(VISBY <= 1/4 MI)           | 1     | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 5      |     |
|                          | THUNDERSTORMS                        | 0     | 0     | 3     | 2     | 6     | 3     | 2     | 0     | 6     | 2     | 2     | 3     | 29     |     |
| CLOUDINESS               | SUNRISE-SUNSET: (OKTAS)              |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | CEILOMETER (<= 12,000 FT.)           |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | SATELLITE (> 12,000 FT.)             |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | MIDNIGHT-MIDNIGHT: (OKTAS)           |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | CEILOMETER (<= 12,000 FT.)           |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| SATELLITE (> 12,000 FT.) |                                      |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| NUMBER OF DAYS WITH:     |                                      |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| CLEAR                    |                                      |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| PARTLY CLOUDY            |                                      |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| CLOUDY                   |                                      |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
| PR                       | MEAN STATION PRESS. (IN.)            | 29.39 | 29.39 | 29.31 | 29.15 | 29.18 | 29.21 | 29.23 | 29.20 | 29.26 | 29.33 | 29.38 | 29.46 | 29.29  |     |
|                          | MEAN SEA-LEVEL PRESS. (IN.)          | 30.11 | 30.10 | 30.00 | 29.83 | 29.86 | 29.87 | 29.89 | 29.85 | 29.92 | 30.01 | 30.08 | 30.18 | 29.98  |     |
| WINDS                    | RESULTANT SPEED (MPH)                | 0.9   |       | 2.7   | 4.5   | 4.0   | 4.5   | 3.1   | 2.7   | 0.3   | 0.8   | 0.9   | 1.7   |        |     |
|                          | RES. DIR. (TENS OF DEGS.)            | 36    |       | 16    | 17    | 16    | 17    | 17    | 17    | 08    | 15    | 17    | 01    |        |     |
|                          | MEAN SPEED (MPH)                     | 3.5   | 6.2   | 6.3   | 7.2   | 6.9   | 6.3   | 5.2   | 4.9   | 4.2   | 4.6   | 5.9   | 5.1   | 5.5    |     |
|                          | PREVAIL.DIR.(TENS OF DEGS.)          | 34    | 17    | 17    | 17    | 17    | 17    | 17    | 17    | 36    | 14    | 17    | 01    | 17     |     |
|                          | MAXIMUM 2-MINUTE WIND SPEED (MPH)    | 20    | 22    | 20    | 22    | 23    | 20    | 17    | 17    | 25    | 24    | 21    | 21    | 25     |     |
|                          | DIR. (TENS OF DEGS.)                 | 34    | 15    | 36    | 36    | 33    | 14    | 15    | 12    | 34    | 34    | 32    | 32    | 34     |     |
|                          | DATE OF OCCURRENCE                   | 20    | 08    | 05    | 04    | 12    | 19    | 29    | 24    | 27    | 18    | 27    | 20    | SEP 27 |     |
|                          | MAXIMUM 3-SECOND WIND: SPEED (MPH)   | 32    | 35    | 33    | 39    | 43    | 36    | 29    | 32    | 40    | 39    | 35    | 34    | 43     |     |
|                          | DIR. (TENS OF DEGS.)                 | 36    | 32    | 34    | 36    | 32    | 15    | 11    | 15    | 36    | 35    | 34    | 32    | 32     |     |
|                          | DATE OF OCCURRENCE                   | 20    | 09    | 05    | 04    | 12    | 18    | 06    | 08    | 27    | 18    | 26    | 20    | MAY 12 |     |
| PRECIPITATION            | WATER EQUIVALENT: TOTAL (IN.)        | 2.92  | 0.48  | 0.09  | 0.27  | 3.65  | 2.01  | 0.05  | T     | 0.18  | 2.19  | 2.91  | 4.93  |        |     |
|                          | GREATEST 24-HOUR (IN.)               | 1.65  | 0.20  | 0.05  | 0.25  | 2.96  | 2.01  | 0.04  | T     | 0.16  | 2.19  | 1.14  | 1.32  |        |     |
|                          | DATE OF OCCURRENCE                   | 09    | 09    | 05    | 11    | 12    | 21-22 | 30    | 25    | 17    | 08-09 | 26    | 04-05 |        |     |
|                          | NUMBER OF DAYS WITH:                 |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | PRECIPITATION 0.01                   | 5     | 5     | 4     | 2     | 5     | 2     | 2     | 0     | 2     | 2     | 7     | 14    |        |     |
|                          | PRECIPITATION 0.10                   | 3     | 3     | 0     | 1     | 2     | 1     | 0     | 0     | 1     | 2     | 4     | 10    |        |     |
| PRECIPITATION 1.00       | 1                                    | 0     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 1     | 1     | 1     |       |        |     |
| SNOWFALL                 | SNOW,ICE PELLETS,HAIL TOTAL (IN.)    | 0.0   | 0.9   | 0.0   | T     | T     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.9    |     |
|                          | GREATEST 24-HOUR (IN.)               | 0.0   | 0.9   | 0.0   | T     | T     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.9    |     |
|                          | DATE OF OCCURRENCE                   |       | 04    |       | 11    | 20+   |       |       |       |       |       |       |       | FEB 04 |     |
|                          | MAXIMUM SNOW DEPTH (IN.)             | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |     |
|                          | DATE OF OCCURRENCE                   |       |       |       |       |       |       |       |       |       |       |       |       |        |     |
|                          | NUMBER OF DAYS WITH: SNOWFALL >= 1.0 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |     |

# NORMALS, MEANS, AND EXTREMES AUSTIN/CITY (KATT)

LATITUDE: 30° 19'N      LONGITUDE: -97° 45'W      ELEVATION (FT): GRND: 670 BARO: 696      TIME ZONE: CENTRAL (UTC -6)      WBAN: 13958

|  | ELEMENT   | POR | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | YEAR     |
|--|---|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| TEMPERATURE °F                           | NORMAL DAILY MAXIMUM                              | 30  | 60.3  | 65.1  | 72.5  | 78.9  | 84.8  | 90.9  | 95.0  | 95.6  | 90.1  | 81.4  | 70.1  | 62.3  | 78.9     |
|  | MEAN DAILY MAXIMUM                                | 81  | 60.1  | 63.1  | 71.9  | 78.7  | 85.4  | 90.9  | 94.3  | 95.8  | 88.9  | 81.5  | 69.9  | 62.6  | 78.6     |
|  | HIGHEST DAILY MAXIMUM                             | 70  | 90    | 99    | 98    | 99    | 102   | 108   | 109   | 112   | 112   | 98    | 91    | 90    | 112      |
|  | YEAR OF OCCURRENCE                                |     | 1971  | 1996  | 1971  | 2006  | 1998  | 1998  | 1954  | 2011  | 2000  | 1991  | 2006  | 1955  | AUG 2011 |
|  | MEAN OF EXTREME MAXS.                             | 81  | 79.5  | 82.5  | 87.0  | 90.9  | 94.3  | 97.8  | 100.9 | 101.9 | 98.5  | 92.5  | 85.0  | 79.7  | 90.9     |
|  | NORMAL DAILY MINIMUM                              | 30  | 40.0  | 44.0  | 50.9  | 57.6  | 65.4  | 71.1  | 73.4  | 73.3  | 68.8  | 59.8  | 49.3  | 41.9  | 58.0     |
|  | MEAN DAILY MINIMUM                                | 81  | 39.7  | 42.3  | 49.6  | 57.5  | 65.3  | 70.9  | 73.2  | 73.6  | 68.1  | 59.3  | 48.4  | 41.4  | 57.4     |
|  | LOWEST DAILY MINIMUM                              | 70  | -2    | 7     | 18    | 34    | 43    | 53    | 64    | 61    | 41    | 30    | 20    | 4     | -2       |
|  | YEAR OF OCCURRENCE                                |     | 1949  | 1951  | 1948  | 2007  | 1954  | 1970  | 1970  | 1967  | 1942  | 1993  | 1976  | 1989  | JAN 1949 |
|  | MEAN OF EXTREME MINS.                             | 81  | 23.4  | 26.8  | 32.7  | 42.3  | 53.3  | 63.1  | 69.4  | 68.5  | 57.0  | 44.3  | 33.0  | 25.9  | 45.0     |
|  | NORMAL DRY BULB                                   | 30  | 50.2  | 54.6  | 61.7  | 68.3  | 75.1  | 81.0  | 84.2  | 84.5  | 79.5  | 70.6  | 59.7  | 52.1  | 68.5     |
|  | MEAN DRY BULB                                     | 81  | 49.9  | 52.7  | 60.8  | 68.2  | 75.3  | 81.0  | 83.8  | 84.7  | 78.5  | 70.4  | 59.2  | 52.0  | 68.0     |
|  | MEAN WET BULB                                     | 28  | 43.6  | 47.0  | 53.0  | 59.6  | 67.2  | 71.9  | 73.1  | 72.8  | 68.5  | 61.5  | 52.6  | 45.3  | 59.7     |
|  | MEAN DEW POINT                                    | 28  | 40.4  | 43.1  | 49.5  | 56.5  | 65.4  | 70.2  | 70.7  | 70.4  | 66.0  | 58.7  | 49.6  | 41.9  | 56.9     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30  | *     | 0.3   | 0.6   | 1.6   | 7.2   | 20.8  | 28.0  | 28.2  | 18.2  | 4.4   | 0.0   | 0.0   | 109.3    |
|  | MAXIMUM <= 32                                     | 30  | 0.4   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 1.0      |
| MINIMUM <= 32                            | 30  | 6.6 | 3.5   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | *     | 0.8   | 4.9   | 16.6  |          |
| MINIMUM <= 0                             | 30  | 0.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |          |
| H/C                                      | NORMAL HEATING DEG. DAYS                          | 30  | 475   | 319   | 163   | 44    | 2     | 0     | 0     | 0     | 2     | 32    | 205   | 406   | 1648     |
|  | NORMAL COOLING DEG. DAYS                          | 30  | 7     | 18    | 59    | 147   | 323   | 495   | 605   | 610   | 439   | 207   | 51    | 13    | 2974     |
| RH                                       | NORMAL (PERCENT)                                  | 30  | 68    | 67    | 66    | 67    | 73    | 71    | 66    | 65    | 68    | 69    | 70    | 68    | 68       |
|  | hour 00 LST                                       | 30  | 73    | 72    | 72    | 74    | 82    | 81    | 76    | 75    | 77    | 76    | 78    | 74    | 76       |
|  | hour 06 LST                                       | 30  | 79    | 80    | 80    | 83    | 89    | 90    | 89    | 88    | 86    | 85    | 83    | 80    | 84       |
|  | hour 12 LST                                       | 30  | 61    | 59    | 57    | 56    | 62    | 58    | 52    | 51    | 55    | 57    | 60    | 60    | 57       |
|  | hour 18 LST                                       | 30  | 57    | 53    | 51    | 52    | 58    | 56    | 48    | 47    | 53    | 55    | 60    | 59    | 54       |
| S  | PERCENT POSSIBLE SUNSHINE                         | 60  | 49    | 51    | 55    | 54    | 56    | 69    | 74    | 74    | 66    | 64    | 55    | 49    | 60       |
| W/O                                      | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 48  | 3.5   | 1.9   | 2.1   | 0.9   | 0.9   | 0.5   | 0.5   | 0.4   | 0.7   | 1.6   | 2.7   | 3.6   | 19.3     |
|  | THUNDERSTORMS                                     | 64  | 1.0   | 2.1   | 3.4   | 4.5   | 6.8   | 5.3   | 4.6   | 5.1   | 4.1   | 3.1   | 1.8   | 1.3   | 43.1     |
| CLOUDINESS                               | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   |     |       |       | 4.8   |       |       |       |       | 2.4   |       |       |       | 4.8   |          |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         |     |       |       | 4.8   |       |       |       |       |       |       |       |       |       |          |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      |     |       |       |       |       |       |       |       |       |       |       |       |       |          |
|  | PARTLY CLOUDY<br>CLOUDY                           |     |       |       |       |       |       |       |       |       |       |       |       |       |          |
| PR                                       | MEAN STATION PRESSURE(IN)                         | 28  | 29.46 | 29.41 | 29.33 | 29.27 | 29.25 | 29.25 | 29.31 | 29.30 | 29.30 | 29.35 | 29.41 | 29.45 | 29.34    |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 28  | 30.14 | 30.09 | 30.00 | 29.93 | 29.90 | 29.90 | 29.96 | 29.95 | 29.96 | 30.02 | 30.08 | 30.14 | 30.01    |
| WINDS                                    | MEAN SPEED (MPH)                                  | 28  | 7.3   | 7.8   | 8.3   | 8.2   | 7.6   | 7.1   | 6.6   | 6.0   | 5.9   | 6.3   | 6.8   | 6.9   | 7.1      |
|  | PREVAIL.DIR(TENS OF DEGS)                         | 40  | 36    | 36    | 17    | 17    | 17    | 17    | 19    | 19    | 17    | 19    | 19    | 36    | 17       |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 16  | 32    | 34    | 33    | 46    | 52    | 34    | 30    | 33    | 47    | 33    | 29    | 33    | 52       |
|  | DIR. (TENS OF DEGS)                               |     | 03    | 36    | 03    | 27    | 02    | 29    | 10    | 09    | 03    | 36    | 01    | 36    | 02       |
|  | YEAR OF OCCURRENCE                                |     | 1998  | 1998  | 1996  | 1997  | 1997  | 1997  | 2004  | 1999  | 1997  | 1998  | 1996  | 1996  | MAY 1997 |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 16  | 45    | 45    | 52    | 55    | 71    | 47    | 40    | 54    | 57    | 43    | 44    | 46    | 71       |
|  | DIR. (TENS OF DEGS)                               |     | 03    | 00    | 03    | 27    | 02    | 28    | 11    | 09    | 05    | 01    | 30    | 30    | 02       |
|  | YEAR OF OCCURRENCE                                |     | 1996  | 1996  | 1996  | 1997  | 1997  | 1997  | 2004  | 1999  | 1997  | 1998  | 2006  | 2003  | MAY 1997 |
| PRECIPITATION                            | NORMAL (IN)                                       | 30  | 1.89  | 1.99  | 2.14  | 2.51  | 5.03  | 3.81  | 1.97  | 2.31  | 2.91  | 3.97  | 2.68  | 2.44  | 33.65    |
|  | MAXIMUM MONTHLY (IN)                              | 70  | 9.21  | 6.56  | 7.54  | 9.93  | 9.98  | 14.96 | 10.54 | 9.48  | 13.20 | 12.39 | 14.10 | 14.16 | 14.96    |
|  | YEAR OF OCCURRENCE                                |     | 1991  | 1992  | 2006  | 1957  | 1965  | 1981  | 1979  | 2001  | 2010  | 1998  | 2004  | 1991  | JUN 1981 |
|  | MINIMUM MONTHLY (IN)                              | 70  | 0.04  | 0.03  | T     | 0.06  | 0.73  | T     | 0.00  | 0.00  | 0.02  | T     | T     | T     | 0.00     |
|  | YEAR OF OCCURRENCE                                |     | 1971  | 1999  | 1972  | 1984  | 1998  | 1967  | 1962  | 1952  | 2008  | 1952  | 1970  | 1950  | JUL 1962 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 70  | 4.41  | 3.73  | 3.46  | 3.86  | 5.66  | 6.50  | 5.46  | 6.01  | 7.39  | 7.51  | 7.55  | 6.19  | 7.55     |
|  | YEAR OF OCCURRENCE                                |     | 1991  | 1958  | 2006  | 1942  | 1979  | 1964  | 1961  | 1994  | 2010  | 1998  | 2001  | 1991  | NOV 2001 |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30  | 7.7   | 7.0   | 7.9   | 7.2   | 9.5   | 7.5   | 5.1   | 5.2   | 7.2   | 7.4   | 8.2   | 7.9   | 87.8     |
|  | PRECIPITATION >= 1.00                             | 30  | 0.3   | 0.3   | 0.5   | 0.7   | 1.6   | 1.3   | 0.5   | 0.7   | 0.8   | 1.2   | 0.7   | 0.7   | 9.3      |
| SNOWFALL                                 | NORMAL (IN)                                       | 30  | 0.4   | 0.1   | 0.*   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.*   | 0.6      |
|  | MAXIMUM MONTHLY (IN)                              | 64  | 7.5   | 6.0   | 2.0   | T     | T     | T     | T     | 0.0   | 0.0   | 0.0   | 2.0   | 0.1   | 7.5      |
|  | YEAR OF OCCURRENCE                                |     | 1985  | 1966  | 1965  | 2011  | 2011  | 2009  |       | 2011  |       |       | 1980  | 2008  | JAN 1985 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 64  | 7.0   | 6.0   | 2.0   | T     | T     | T     | 0.0   | 0.0   | 0.0   | 0.0   | 2.0   | T     | 7.0      |
|  | YEAR OF OCCURRENCE                                |     | 1944  | 1966  | 1965  | 2011  | 2011  | 2009  |       |       |       |       | 1980  | 2009  | JAN 1944 |
|  | MAXIMUM SNOW DEPTH (IN)                           | 59  | 6     | 6     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | T     | 6        |
|  | YEAR OF OCCURRENCE                                |     | 1949  | 1966  | 1965  |       |       |       |       |       |       |       |       | 2008  | FEB 1966 |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 0.1 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.0   | 0.2   |          |

**PRECIPITATION (inches) 2011 AUSTIN/CITY (KATT)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN   | JUL  | AUG  | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|----------------|------|------|------|------|------|-------|------|------|-------|-------|-------|-------|--------|
| 1982           | 0.85 | 0.80 | 1.39 | 4.17 | 5.68 | 2.99  | 0.13 | 0.77 | 1.88  | 2.66  | 3.19  | 2.12  | 26.63  |
| 1983           | 1.88 | 2.84 | 6.03 | 0.16 | 5.33 | 3.84  | 2.85 | 2.21 | 2.83  | 2.82  | 2.66  | 0.53  | 33.98  |
| 1984           | 1.66 | 1.00 | 2.49 | 0.06 | 1.27 | 1.69  | 1.44 | 0.45 | 0.79  | 10.34 | 1.88  | 3.23  | 26.30  |
| 1985           | 1.34 | 2.10 | 1.84 | 2.39 | 1.65 | 5.64  | 1.53 | 0.37 | 3.98  | 5.84  | 4.75  | 1.06  | 32.49  |
| 1986           | 0.45 | 1.14 | 0.41 | 1.46 | 7.36 | 2.20  | 0.45 | 1.21 | 4.77  | 7.98  | 1.81  | 5.77  | 35.01  |
| 1987           | 0.92 | 2.87 | 1.36 | 0.45 | 6.75 | 10.85 | 3.46 | 0.27 | 5.03  | 0.31  | 3.08  | 1.31  | 36.66  |
| 1988           | 0.27 | 0.32 | 2.66 | 2.02 | 3.33 | 2.60  | 2.77 | 1.67 | 1.43  | 0.66  | 0.34  | 1.14  | 19.21  |
| 1989           | 3.79 | 0.85 | 2.12 | 2.43 | 6.90 | 3.10  | 0.09 | 2.72 | 0.27  | 2.20  | 1.26  | 0.14  | 25.87  |
| 1990           | 1.28 | 3.55 | 2.08 | 3.12 | 3.65 | 1.55  | 3.14 | 0.33 | 1.76  | 3.39  | 3.87  | 0.72  | 28.44  |
| 1991           | 9.21 | 2.99 | 0.90 | 4.91 | 3.98 | 4.40  | 1.16 | 4.28 | 2.25  | 3.06  | 0.91  | 14.16 | 52.21  |
| 1992           | 4.83 | 6.56 | 5.43 | 1.90 | 9.05 | 4.96  | 0.96 | 1.95 | 1.98  | 1.38  | 3.76  | 3.29  | 46.05  |
| 1993           | 3.39 | 3.14 | 2.09 | 2.94 | 5.30 | 3.99  | T    | 0.75 | 0.34  | 2.42  | 1.00  | 1.14  | 26.50  |
| 1994           | 1.43 | 2.13 | 1.70 | 1.68 | 3.68 | 0.74  | 0.26 | 8.50 | 5.69  | 7.85  | 1.83  | 5.67  | 41.16  |
| 1995           | 0.81 | 1.44 | 2.21 | 3.08 | 9.49 | 2.74  | 0.64 | 5.71 | 2.86  | 1.43  | 3.22  | 0.51  | 34.14  |
| 1996           | 0.06 | 0.62 | 0.60 | 1.90 | 1.82 | 4.48  | 0.15 | 8.81 | 4.02  | .78   | 4.13  | 2.19  | 29.56  |
| 1997           | 1.07 | 3.94 | 1.58 | 5.59 | 7.10 | 8.97  | 2.37 | 2.34 | 1.46  | 5.42  | 2.91  | 4.28  | 47.03  |
| 1998           | 2.68 | 3.26 | 3.07 | 0.78 | 0.73 | 1.56  | 0.90 | 1.39 | 6.76  | 12.39 | 4.04  | 1.56  | 39.12  |
| 1999           | 0.20 | 0.03 | 4.09 | 0.79 | 7.07 | 3.37  | 4.43 | 0.70 | 0.28  | 1.67  | 0.15  | 1.15  | 23.93  |
| 2000           | 2.85 | 1.75 | 1.49 | 2.40 | 3.59 | 5.27  | 1.87 | 0.13 | 1.76  | 6.03  | 7.95  | 2.87  | 37.96  |
| 2001           | 2.72 | 1.41 | 5.51 | 0.50 | 3.27 | 0.85  | 0.34 | 9.48 | 1.71  | 2.46  | 10.00 | 4.62  | 42.87  |
| 2002           | 1.69 | 0.66 | 1.24 | 0.76 | 1.25 | 5.64  | 4.94 | 2.35 | 3.23  | 6.68  | 3.04  | 4.52  | 36.00  |
| 2003           | 1.70 | 3.86 | 0.54 | 0.10 | 1.37 | 4.55  | 1.42 | 2.94 | 2.08  | 1.03  | 1.32  | 0.50  | 21.41  |
| 2004           | 4.15 | 3.73 | 2.31 | 3.97 | 3.34 | 11.41 | 0.83 | 1.91 | 1.57  | 4.62  | 14.10 | 0.33  | 52.27  |
| 2005           | 2.25 | 2.21 | 4.30 | 0.72 | 3.13 | 0.89  | 2.75 | 2.44 | 1.44  | 1.78  | 0.33  | 0.09  | 22.33  |
| 2006           | 1.80 | 0.89 | 7.54 | 2.89 | 5.28 | 3.18  | 0.48 | 0.22 | 3.00  | 3.93  | 1.29  | 4.20  | 34.70  |
| 2007           | 6.92 | 0.14 | 5.95 | 2.25 | 7.01 | 5.41  | 9.84 | 2.50 | 3.97  | 1.13  | 1.16  | 0.67  | 46.95  |
| 2008           | 0.82 | 0.51 | 2.86 | 3.52 | 1.70 | 0.74  | 0.38 | 2.39 | 0.02  | 2.01  | 0.72  | 0.40  | 16.07  |
| 2009           | 0.74 | 1.47 | 3.04 | 2.84 | 1.77 | 1.35  | 0.25 | 0.77 | 6.86  | 6.88  | 2.80  | 2.61  | 31.38  |
| 2010           | 3.29 | 3.08 | 3.32 | 2.13 | 1.88 | 5.93  | 3.38 | T    | 13.20 | 0.08  | 0.68  | 0.79  | 37.76  |
| 2011           | 2.92 | 0.48 | 0.09 | 0.27 | 3.65 | 2.01  | 0.05 | T    | 0.18  | 2.19  | 2.91  | 4.93  | 19.68  |
| POR=<br>81 YRS | 2.19 | 2.30 | 2.22 | 2.84 | 4.21 | 3.53  | 2.03 | 2.21 | 3.37  | 3.33  | 2.51  | 2.42  | 33.16  |

WBAN : 13958

**AVERAGE TEMPERATURE (°F) 2011 AUSTIN/CITY (KATT)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1982           | 51.9 | 51.0 | 64.7 | 67.3 | 75.6 | 81.6 | 86.5 | 87.4 | 81.8 | 70.7 | 58.5 | 52.3 | 69.1   |
| 1983           | 47.4 | 51.3 | 57.8 | 64.6 | 72.7 | 78.4 | 82.7 | 84.4 | 78.3 | 72.0 | 62.4 | 41.9 | 66.2   |
| 1984           | 46.3 | 55.5 | 63.4 | 71.1 | 78.0 | 82.6 | 85.1 | 86.0 | 76.3 | 70.5 | 58.7 | 58.4 | 69.3   |
| 1985           | 44.1 | 49.7 | 64.3 | 70.0 | 76.3 | 80.7 | 82.9 | 87.0 | 79.3 | 71.7 | 63.0 | 49.1 | 68.2   |
| 1986           | 54.0 | 57.6 | 63.7 | 71.8 | 73.8 | 81.4 | 85.9 | 84.7 | 82.0 | 68.8 | 59.0 | 50.8 | 69.5   |
| 1987           | 50.9 | 55.5 | 57.9 | 67.4 | 76.1 | 80.2 | 83.4 | 85.4 | 78.8 | 69.9 | 60.0 | 53.3 | 68.2   |
| 1988           | 47.3 | 53.3 | 60.4 | 68.5 | 74.7 | 80.2 | 84.6 | 86.7 | 81.6 | 72.5 | 64.9 | 55.5 | 69.2   |
| 1989           | 55.3 | 48.6 | 60.8 | 69.2 | 78.3 | 81.3 | 85.7 | 84.7 | 79.3 | 72.0 | 62.7 | 44.3 | 68.5   |
| 1990           | 57.9 | 59.3 | 61.7 | 69.8 | 78.5 | 85.9 | 83.4 | 86.1 | 81.2 | 70.0 | 63.6 | 51.3 | 70.7   |
| 1991           | 47.3 | 56.6 | 63.5 | 71.4 | 76.7 | 81.5 | 83.9 | 85.1 | 77.2 | 72.7 | 56.8 | 54.5 | 68.9   |
| 1992           | 50.6 | 58.9 | 62.7 | 68.0 | 73.2 | 81.6 | 83.9 | 82.0 | 80.8 | 72.7 | 56.9 | 54.8 | 68.8   |
| 1993           | 49.9 | 54.5 | 60.9 | 66.3 | 73.7 | 81.4 | 85.3 | 87.4 | 81.8 | 70.5 | 55.7 | 55.0 | 68.5   |
| 1994           | 52.2 | 55.3 | 62.8 | 69.3 | 74.7 | 84.2 | 87.2 | 83.7 | 77.5 | 71.4 | 64.0 | 55.7 | 69.8   |
| 1995           | 53.6 | 56.2 | 60.6 | 67.6 | 76.2 | 79.3 | 84.5 | 84.4 | 78.7 | 70.8 | 59.0 | 55.0 | 68.8   |
| 1996           | 50.5 | 57.6 | 57.2 | 68.6 | 80.6 | 82.5 | 86.7 | 83.9 | 77.6 | 69.9 | 60.5 | 54.9 | 69.2   |
| 1997           | 48.9 | 53.1 | 62.9 | 63.0 | 72.5 | 79.1 | 83.9 | 83.1 | 81.5 | 70.4 | 56.5 | 50.5 | 67.1   |
| 1998           | 56.5 | 55.5 | 59.5 | 67.4 | 79.9 | 86.4 | 88.0 | 85.8 | 82.9 | 71.6 | 62.8 | 52.9 | 70.8   |
| 1999           | 55.6 | 62.3 | 62.4 | 71.8 | 76.5 | 81.7 | 83.2 | 88.3 | 81.4 | 71.2 | 64.4 | 55.7 | 71.2   |
| 2000           | 55.4 | 62.1 | 66.3 | 70.3 | 79.1 | 81.7 | 86.7 | 87.2 | 81.5 | 71.4 | 55.9 | 45.4 | 70.3   |
| 2001           | 48.4 | 56.2 | 54.9 | 70.8 | 76.4 | 82.7 | 87.2 | 86.2 | 77.2 | 68.1 | 62.8 | 53.8 | 68.7   |
| 2002           | 53.5 | 51.2 | 59.2 | 73.4 | 78.0 | 82.7 | 82.4 | 85.3 | 79.8 | 69.6 | 57.2 | 53.2 | 68.8   |
| 2003           | 49.7 | 51.2 | 60.1 | 70.8 | 80.1 | 82.2 | 84.7 | 86.0 | 78.5 | 72.4 | 63.7 | 55.2 | 69.6   |
| 2004           | 54.5 | 51.8 | 66.5 | 68.3 | 76.5 | 79.8 | 82.9 | 83.2 | 80.1 | 75.9 | 59.7 | 52.5 | 69.3   |
| 2005           | 54.4 | 55.8 | 60.7 | 67.6 | 74.6 | 83.5 | 85.2 | 85.6 | 84.4 | 70.8 | 64.8 | 52.1 | 70.0   |
| 2006           | 58.6 | 54.6 | 65.8 | 74.9 | 77.2 | 82.7 | 86.1 | 88.5 | 80.2 | 71.7 | 63.9 | 54.8 | 71.6   |
| 2007           | 47.5 | 54.5 | 65.5 | 65.7 | 75.5 | 81.0 | 81.1 | 85.1 | 81.3 | 74.0 | 63.0 | 54.7 | 69.1   |
| 2008           | 50.4 | 59.4 | 63.3 | 69.7 | 79.7 | 87.4 | 86.6 | 86.2 | 80.6 | 71.1 | 62.8 | 53.5 | 70.9   |
| 2009           | 53.6 | 61.0 | 63.8 | 69.1 | 78.5 | 86.6 | 89.5 | 89.1 | 78.2 | 68.8 | 61.2 | 47.6 | 70.6   |
| 2010           | 48.8 | 47.3 | 59.0 | 68.7 | 78.7 | 84.1 | 84.6 | 88.7 | 80.7 | 71.3 | 62.2 | 54.2 | 69.0   |
| 2011           | 49.7 | 55.1 | 66.6 | 76.1 | 78.1 | 87.1 | 89.7 | 91.7 | 84.4 | 71.7 | 62.0 | 52.2 | 72.0   |
| POR=<br>81 YRS | 49.9 | 52.7 | 60.8 | 68.2 | 75.3 | 81.0 | 83.8 | 84.7 | 78.5 | 70.4 | 59.2 | 52.0 | 68.0   |

**HEATING DEGREE DAYS (base 65°F) 2011 AUSTIN/CITY (KATT)**

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982-83 | 0   | 0   | 0   | 37  | 245 | 408 | 538 | 376 | 229 | 93  | 4   | 0   | 1930  |
| 1983-84 | 0   | 0   | 4   | 7   | 154 | 721 | 573 | 280 | 123 | 16  | 0   | 0   | 1878  |
| 1984-85 | 0   | 0   | 18  | 34  | 221 | 228 | 643 | 428 | 99  | 19  | 0   | 0   | 1690  |
| 1985-86 | 0   | 0   | 7   | 12  | 134 | 490 | 338 | 267 | 87  | 14  | 2   | 0   | 1351  |
| 1986-87 | 0   | 0   | 0   | 18  | 214 | 431 | 434 | 266 | 228 | 83  | 0   | 0   | 1674  |
| 1987-88 | 0   | 0   | 0   | 11  | 203 | 369 | 548 | 357 | 193 | 34  | 0   | 0   | 1715  |
| 1988-89 | 0   | 0   | 0   | 3   | 116 | 307 | 307 | 464 | 198 | 64  | 0   | 0   | 1459  |
| 1989-90 | 0   | 0   | 0   | 39  | 157 | 638 | 239 | 171 | 154 | 26  | 0   | 0   | 1424  |
| 1990-91 | 0   | 0   | 0   | 44  | 121 | 430 | 540 | 242 | 110 | 8   | 1   | 0   | 1496  |
| 1991-92 | 0   | 0   | 8   | 34  | 280 | 332 | 440 | 188 | 105 | 39  | 4   | 0   | 1430  |
| 1992-93 | 0   | 0   | 0   | 0   | 267 | 327 | 462 | 296 | 163 | 54  | 0   | 0   | 1569  |
| 1993-94 | 0   | 0   | 0   | 70  | 298 | 324 | 396 | 287 | 139 | 36  | 15  | 0   | 1565  |
| 1994-95 | 0   | 0   | 0   | 20  | 104 | 301 | 359 | 247 | 201 | 35  | 2   | 0   | 1269  |
| 1995-96 | 0   | 0   | 8   | 9   | 194 | 347 | 442 | 286 | 282 | 59  | 0   | 0   | 1627  |
| 1996-97 | 0   | 0   | 6   | 33  | 176 | 327 | 513 | 343 | 118 | 98  | 0   | 0   | 1614  |
| 1997-98 | 0   | 0   | 0   | 36  | 273 | 445 | 271 | 258 | 218 | 13  | 0   | 0   | 1514  |
| 1998-99 | 0   | 0   | 0   | 17  | 116 | 405 | 303 | 126 | 118 | 21  | 0   | 0   | 1106  |
| 1999-00 | 0   | 0   | 0   | 41  | 80  | 304 | 313 | 146 | 85  | 30  | 0   | 0   | 999   |
| 2000-01 | 0   | 0   | 5   | 63  | 291 | 599 | 509 | 258 | 309 | 12  | 0   | 0   | 2046  |
| 2001-02 | 0   | 0   | 1   | 32  | 137 | 365 | 373 | 380 | 219 | 21  | 0   | 0   | 1528  |
| 2002-03 | 0   | 0   | 0   | 36  | 241 | 368 | 477 | 386 | 170 | 22  | 0   | 0   | 1700  |
| 2003-04 | 0   | 0   | 0   | 11  | 143 | 308 | 340 | 379 | 30  | 38  | 2   | 0   | 1251  |
| 2004-05 | 0   | 0   | 0   | 4   | 164 | 387 | 359 | 270 | 164 | 29  | 5   | 0   | 1382  |
| 2005-06 | 0   | 0   | 0   | 36  | 127 | 397 | 202 | 302 | 91  | 0   | 0   | 0   | 1155  |
| 2006-07 | 0   | 0   | 0   | 26  | 113 | 332 | 538 | 308 | 86  | 85  | 0   | 0   | 1488  |
| 2007-08 | 0   | 0   | 0   | 23  | 159 | 342 | 458 | 192 | 132 | 25  | 0   | 0   | 1331  |
| 2008-09 | 0   | 0   | 0   | 29  | 118 | 373 | 365 | 155 | 142 | 35  | 0   | 0   | 1217  |
| 2009-10 | 0   | 0   | 5   | 43  | 133 | 535 | 500 | 489 | 190 | 18  | 0   | 0   | 1913  |
| 2010-11 | 0   | 0   | 0   | 11  | 156 | 339 | 472 | 333 | 81  | 7   | 16  | 0   | 1415  |
| 2011-   | 0   | 0   | 0   | 29  | 164 | 392 |     |     |     |     |     |     |       |

WBAN : 13958

**COOLING DEGREE DAYS (base 65°F) 2011 AUSTIN/CITY (KATT)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982 | 23  | 14  | 144 | 157 | 337 | 506 | 672 | 701 | 509 | 219 | 61  | 18  | 3361  |
| 1983 | 0   | 0   | 13  | 90  | 250 | 406 | 556 | 608 | 409 | 227 | 80  | 11  | 2650  |
| 1984 | 0   | 13  | 80  | 204 | 413 | 535 | 629 | 659 | 364 | 206 | 40  | 30  | 3173  |
| 1985 | 0   | 9   | 85  | 174 | 358 | 480 | 562 | 687 | 443 | 228 | 82  | 4   | 3112  |
| 1986 | 2   | 64  | 53  | 227 | 278 | 499 | 654 | 618 | 519 | 141 | 39  | 0   | 3094  |
| 1987 | 5   | 4   | 17  | 158 | 352 | 463 | 576 | 638 | 421 | 170 | 58  | 14  | 2876  |
| 1988 | 7   | 23  | 57  | 146 | 305 | 463 | 614 | 679 | 503 | 243 | 123 | 19  | 3182  |
| 1989 | 16  | 10  | 76  | 197 | 417 | 498 | 650 | 620 | 435 | 263 | 93  | 2   | 3277  |
| 1990 | 28  | 16  | 57  | 178 | 425 | 634 | 579 | 662 | 495 | 204 | 86  | 11  | 3375  |
| 1991 | 0   | 11  | 72  | 207 | 372 | 501 | 594 | 633 | 382 | 280 | 39  | 15  | 3106  |
| 1992 | 0   | 15  | 41  | 137 | 264 | 505 | 595 | 538 | 479 | 246 | 28  | 17  | 2865  |
| 1993 | 0   | 7   | 44  | 99  | 276 | 498 | 641 | 700 | 509 | 248 | 27  | 19  | 3068  |
| 1994 | 9   | 22  | 80  | 173 | 320 | 579 | 693 | 586 | 385 | 224 | 79  | 18  | 3168  |
| 1995 | 12  | 6   | 75  | 121 | 355 | 438 | 612 | 607 | 426 | 198 | 21  | 42  | 2913  |
| 1996 | 3   | 83  | 47  | 174 | 491 | 529 | 682 | 588 | 392 | 192 | 45  | 21  | 3247  |
| 1997 | 15  | 16  | 58  | 46  | 240 | 431 | 592 | 569 | 500 | 211 | 26  | 0   | 2704  |
| 1998 | 15  | 1   | 53  | 92  | 470 | 648 | 715 | 653 | 543 | 231 | 57  | 35  | 3513  |
| 1999 | 18  | 56  | 39  | 231 | 361 | 509 | 572 | 729 | 500 | 242 | 70  | 18  | 3345  |
| 2000 | 23  | 67  | 133 | 198 | 443 | 506 | 681 | 694 | 508 | 270 | 26  | 0   | 3549  |
| 2001 | 0   | 17  | 4   | 192 | 362 | 536 | 691 | 667 | 374 | 138 | 79  | 24  | 3084  |
| 2002 | 24  | 0   | 46  | 279 | 411 | 538 | 547 | 637 | 451 | 183 | 15  | 8   | 3139  |
| 2003 | 5   | 6   | 26  | 202 | 475 | 519 | 621 | 658 | 411 | 247 | 111 | 11  | 3292  |
| 2004 | 18  | 1   | 83  | 145 | 367 | 447 | 563 | 571 | 458 | 348 | 13  | 6   | 3020  |
| 2005 | 39  | 19  | 39  | 116 | 309 | 562 | 631 | 648 | 590 | 223 | 127 | 6   | 3309  |
| 2006 | 12  | 16  | 120 | 304 | 389 | 536 | 662 | 739 | 463 | 242 | 89  | 24  | 3596  |
| 2007 | 4   | 20  | 107 | 113 | 331 | 483 | 503 | 632 | 497 | 307 | 104 | 29  | 3130  |
| 2008 | 14  | 39  | 87  | 173 | 463 | 681 | 676 | 665 | 475 | 223 | 58  | 21  | 3575  |
| 2009 | 18  | 51  | 113 | 164 | 423 | 654 | 766 | 755 | 411 | 168 | 26  | 0   | 3549  |
| 2010 | 2   | 0   | 10  | 137 | 431 | 581 | 612 | 743 | 481 | 212 | 81  | 9   | 3299  |
| 2011 | 3   | 63  | 140 | 347 | 428 | 667 | 771 | 834 | 588 | 245 | 80  | 4   | 4170  |

**SNOWFALL (inches) 2011 AUSTIN/CITY (KATT)**

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982-83        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   |
| 1983-84        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1984-85        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7   |
| 1985-86        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1986-87        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T   | 0.0 | T     |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 0.0 | T   | 0.0 | T   | 0.0 | T     |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.4 | T   | 0.0 | 0.0 | 0.0 | 0.4   |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3   |
| 1996-97        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1997-98        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | T     |
| 1998-99        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T     |
| 1999-00        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   |
| 2000-01        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 2001-02        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 2002-03        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6   |
| 2003-04        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6   |
| 2004-05        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | T     |
| 2005-06        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T   | T   | T   | 0.0 | T     |
| 2006-07        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.2 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.2   |
| 2007-08        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T     |
| 2008-09        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.1   |
| 2009-10        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6   |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | T   | T   | 0.0 | 0.9   |
| 2011-          | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     |     |     |     |     |     |       |
| POR=<br>80 YRS | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | T   | 0.4 | 0.3 | T   | T   | T   | T   | 0.9   |

WBAN : 13958

**REFERENCE NOTES :**

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| <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/>NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).<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 AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.<br/>THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.<br/>CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.<br/>WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.<br/>STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</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 the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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# 2011 AUSTIN/CITY TEXAS (KATT)

Austin, capital of Texas, is located on the Colorado River where the stream crosses the Balcones escarpment separating the Texas Hill Country from the Blackland Prairies to the east. Elevations within the city vary from 400 feet to nearly 1,000 feet above sea level. Native trees include cedar, oak, walnut, mesquite, and pecan.

The climate of Austin is humid subtropical with hot summers. Winters are mild, with below freezing temperatures occurring on an average of about 25 days each year. Rather strong northerly winds, accompanied by sharp drops in temperature, frequently occur during the winter months in connection with cold fronts, but cold spells are usually of short duration, seldom lasting more than two days. Daytime temperatures in summer are hot, but summer nights are usually pleasant.

Precipitation is fairly evenly distributed throughout the year, with heaviest amounts occurring in late spring. A secondary rainfall peak occurs in September, primarily because of tropical cyclones that migrate out of the Gulf of Mexico. Precipitation from April through

September usually results from thunderstorms, with fairly large amounts of rain falling within short periods of time. While thunderstorms and heavy rains may occur in all months of the year, most of the winter precipitation consists of light rain. Snow is insignificant as a source of moisture, and usually melts as rapidly as it falls. The city may experience several seasons in succession with no measurable snowfall.

Prevailing winds are southerly, however in winter, northerly winds are about as frequent as those from the south. Destructive winds and damaging hailstorms are infrequent. On rare occasions dissipating tropical storms produce strong winds and heavy rains in the area. Blowing dust occurs occasionally in spring, but visibility rarely drops substantially, and then only for a few hours.

The average length of the warm season (freeze-free period) is 273 days. The average occurrence of the last temperature of 32 degrees in spring is early March and the average occurrence of the first temperature of 32 degrees is late November.

#### **EDITORIAL NOTE:**

With the opening of Austin Bergstrom International Airport in May 1999, there are now two sets of Local Climatological Data (LCD) maintained for Austin, Texas. As a user of National Climate Data Center products, you should be aware of the history of the data sets; in addition, you should know where and how these climatological data records are kept for the two Austin area weather observation sites.

#### **Austin City/Camp Mabry (Texas National Guard) (Identifier ATT)**

The Local Climatological Data for this site is based on weather records started back in the 1800s in the downtown Austin area. This National Weather Service first order data set was moved 3 miles northeast of the downtown area with the opening of Austin Robert Mueller Municipal Airport in the 1940s and continued until the closure of the Robert Mueller Airport on May 23, 1999. The National Weather Service ASOS was left without human augmentation effective with the closure of the airport. With the planned demolition of the former airport site, the National Weather Service held discussions with local users about finding a comparable location (geography and elevation) to maintain this "in city" climate data set. With cooperation of Texas National Guard officials, the National Weather Service moved the ASOS (no human augmentation) to Camp Mabry on July 21, 1999. This location, which is very similar to the former airport site, is along Loop 1/MoPac Expressway about 4 miles west northwest of the former Robert Mueller airport site and about 3 miles northwest of downtown Austin.

#### **Austin Bergstrom International Airport**

(Identifier AUS) The Local Climatological Data for this site is based upon U.S. Air Force weather records taken at Bergstrom Air Force Base (formerly occupying this site) for the time period 1942 through 1995. With base conversion to civilian use, Austin Bergstrom International Airport was opened to cargo operations on September 1, 1997, with resumption of manual surface weather observations. On October 2, 1997, an ASOS was commissioned at this airport. Austin Bergstrom International Airport was opened to full civilian operations (with full human augmentation as FAA Service Level "A" weather observations) on May 23, 1999. This weather observation site is located about 6 miles southeast of downtown Austin (immediately southeast of the intersection of U.S. Highway 183 and State Highway 71) in the Onion Creek watershed. Because the location is in a more outlying and lowlying area, nighttime temperatures (especially during calm wind conditions during the winter time of the year) tend to be considerably cooler than the Austin City/Camp Mabry (Texas National Guard) weather observation site.

As a NCDC Local Climatological data user, you should be aware of these 1999 changes and how it affects the choice of which Local Climatological Data set you use for Austin, Texas.

# Station History

AUSTIN/CITY, TX

| NAME                        | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform     |
|-----------------------------|------------|------------|----------|-----------|----------------|------------|--------------|
| AUSTIN MUELLER MUNICIPAL AP | 1979-12-01 | 1981-12-31 | 30° 16'  | -97° 42'  | 587            | 800 FT SE  | COOP,WXSVC   |
| AUSTIN MUELLER MUNICIPAL AP | 1988-05-16 | 1989-02-23 | 30° 16'  | -97° 42'  | 597            |            | COOP         |
| AUSTIN MUELLER MUNICIPAL AP | 2010-06-01 | 2010-07-01 | 30° 19'  | -97° 45'  | 658            |            | ASOS,COOP    |
| AUSTIN MUELLER MUNICIPAL AP | 1995-07-01 | 1997-07-01 | 30° 17'  | -97° 42'  | 621            | 80 FT NW   | ASOS,COOP    |
| AUSTIN MUELLER MUNICIPAL AP | 1997-07-01 | 1999-07-26 | 30° 17'  | -97° 41'  | 587            |            | ASOS,COOP    |
| AUSTIN MUELLER MUNICIPAL AP | 1999-07-26 | 2010-06-01 | 30° 19'  | -97° 45'  | 658            | 4 MI W     | ASOS,COOP    |
| AUSTIN MUELLER MUNICIPAL AP | 1946-08-01 | 1961-01-01 | 30° 18'  | -97° 42'  | 620            |            | AIRWAYS,COOP |
| AUSTIN MUELLER MUNICIPAL AP | 1981-12-31 | 1988-05-16 | 30° 16'  | -97° 42'  | 587            |            | COOP         |
| AUSTIN-CAMP MABRY           | 2010-07-01 | Present    | 30° 19'  | -97° 45'  | 670            |            | ASOS,COOP    |
| AUSTIN MUELLER MUNICIPAL AP | 1938-01-01 | 1946-08-01 | 30° 18'  | -97° 42'  |                |            | AIRWAYS      |
| AUSTIN MUELLER MUNICIPAL AP | 1961-01-01 | 1973-01-01 | 30° 18'  | -97° 42'  | 600            |            | AIRWAYS,COOP |
| AUSTIN MUELLER MUNICIPAL AP | 1973-01-01 | 1979-12-01 | 30° 18'  | -97° 42'  | 600            |            | COOP,WXSVC   |
| AUSTIN MUELLER MUNICIPAL AP | 1989-02-23 | 1995-07-01 | 30° 16'  | -97° 42'  | 587            |            | COOP         |

# Element History

| Element    | Begin Date | End Date   | Frequency  | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|------------|------------|------------|------------|---------------------|-------------|---------------------------|--------------------|
| PRECIP     | 1989-02-23 | 1995-07-01 | HOURLY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP     | 2010-06-01 | 2011-03-01 | DAILY      | 2400                | PCPN1       |                           |                    |
| PRECIP     | 2002-09-10 | 2010-06-01 | HOURLY     | 2400                | TB          | RCRD                      |                    |
| PRECIP     | 2010-06-01 | 2011-03-01 | HOURLY     | 2400                | AWPAG       | RCRD;HTD                  |                    |
| PRECIP     | 1934-01-01 | 1977-12-01 | DAILY      | 2400                | UNIV        | RCRD                      |                    |
| EVAP       | 1934-01-01 | 1977-12-01 | DAILY      | 0700                |             |                           |                    |
| TEMP       | 1988-05-16 | 1989-02-23 | DAILY      | 2400                |             |                           |                    |
| EVAP       | 1989-02-23 | 1995-07-01 | DAILY      | 0730                | MONEL(H)    |                           |                    |
| TEMP       | 2011-03-01 | Present    | DAILY      | 2400                | ATEMP       |                           |                    |
| TEMP       | 1934-01-01 | 1977-12-01 | DAILY      | 2400                |             |                           |                    |
| PRECIP     | 1977-12-01 | 1988-05-16 | DAILY      | 2400                | UNIV        | RCRD                      |                    |
| PRECIP     | 1989-02-23 | 1995-07-01 | DAILY      | 2400                | UNIV        | RCRD                      |                    |
| PRECIP     | 1995-07-01 | 2002-09-10 | HOURLY     | 2400                | TB          | RCRD                      |                    |
| PRECIP     | 1988-05-16 | 1989-02-23 | HOURLY     | 2400                | UNIV        | RCRD                      |                    |
| MAX/MINTEM | 1988-05-16 | 1989-02-23 | ONCE DAILY | 0700                | PALMER      |                           |                    |
| TEMP       | 2002-09-10 | 2010-06-01 | DAILY      | 2400                | ATEMP       |                           |                    |
| TEMP       | 2010-06-01 | 2011-03-01 | DAILY      | 2400                | ATEMP       |                           |                    |
| TEMP       | 1977-12-01 | 1988-05-16 | DAILY      | 2400                |             |                           |                    |
| PRECIP     | 2011-03-01 | Present    | DAILY      | 2400                | PCPNX       |                           |                    |
| PRECIP     | 1977-12-01 | 1988-05-16 | HOURLY     | 2400                | UNIV        | RCRD                      |                    |
| EVAP       | 1977-12-01 | 1988-05-16 | DAILY      | 0700                |             |                           |                    |
| PRECIP     | 1988-05-16 | 1989-02-23 | DAILY      | 2400                | UNIV        | RCRD                      |                    |
| MAX/MINTEM | 1989-02-23 | 1995-07-01 | ONCE DAILY | 0700                | PALMER      |                           |                    |
| EVAP       | 1988-05-16 | 1989-02-23 | DAILY      | 0730                | MONEL(H)    |                           |                    |
| TEMP       | 1989-02-23 | 1995-07-01 | DAILY      | 2400                | HYGR        |                           |                    |
| TEMP       | 1995-07-01 | 2002-09-10 | DAILY      | 2400                | HYGR        |                           |                    |
| PRECIP     | 1995-07-01 | 2002-09-10 | DAILY      | 2400                | TB          | RCRD                      |                    |
| PRECIP     | 2002-09-10 | 2010-06-01 | DAILY      | 2400                | TB          | RCRD                      |                    |
| PRECIP     | 2011-03-01 | Present    | HOURLY     | 2400                | AWPAG       | RCRD;HTD                  |                    |

\* 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/asosimplementation.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.info@noaa.gov](mailto:ncdc.info@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)