

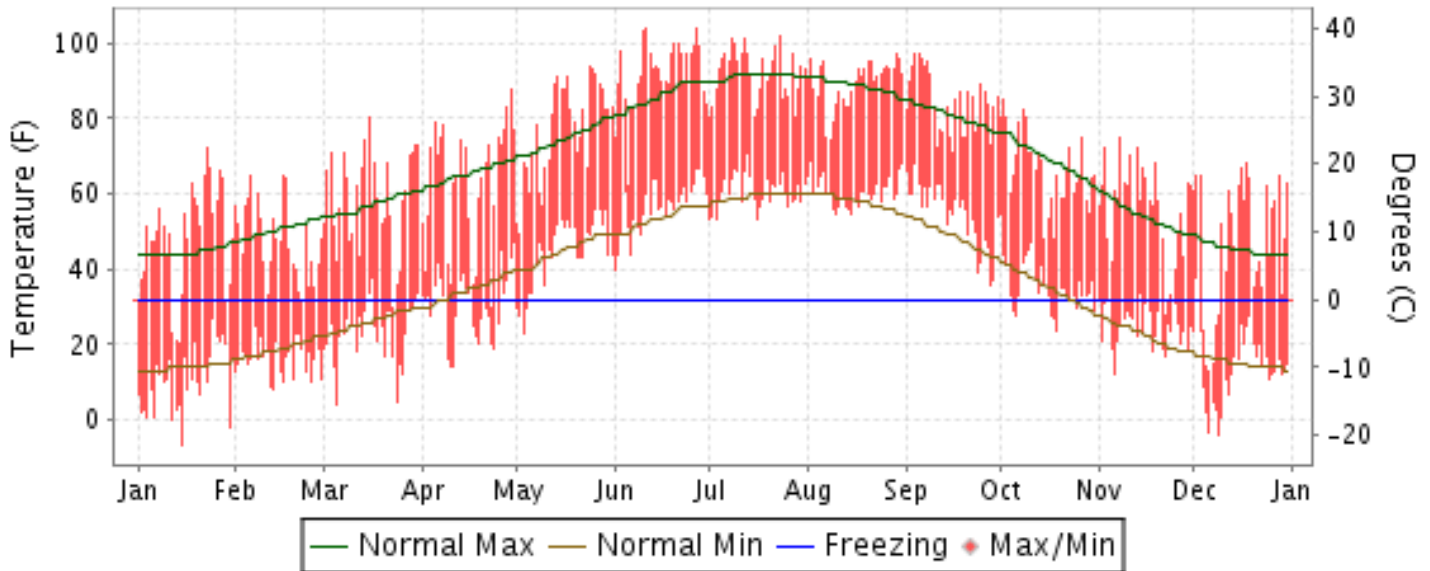


# 2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

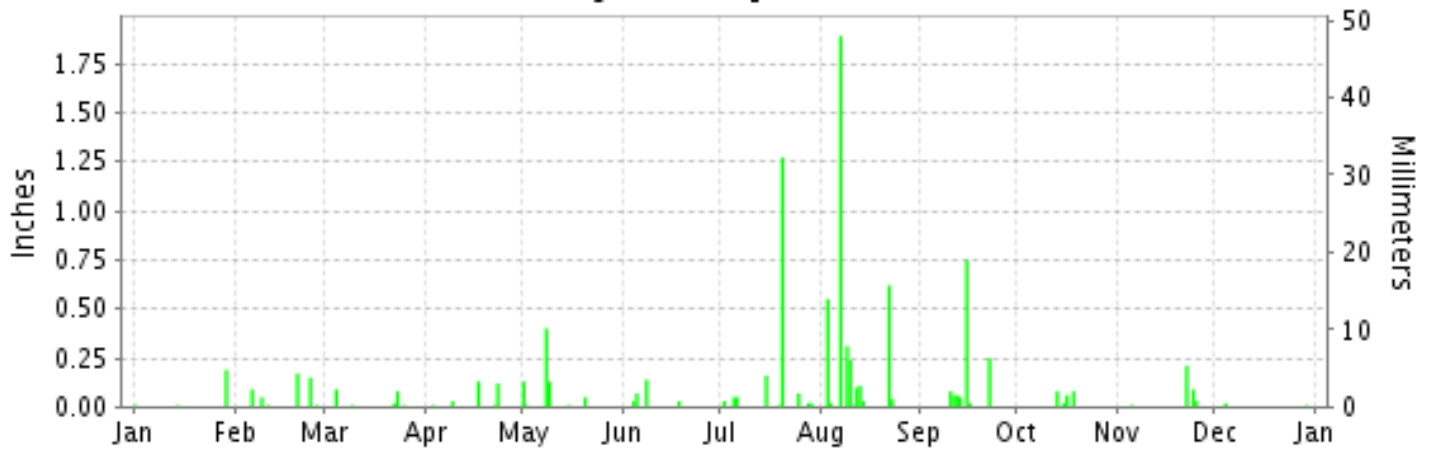
ISSN 0198-7631

## PUEBLO, COLORADO (KPUB)

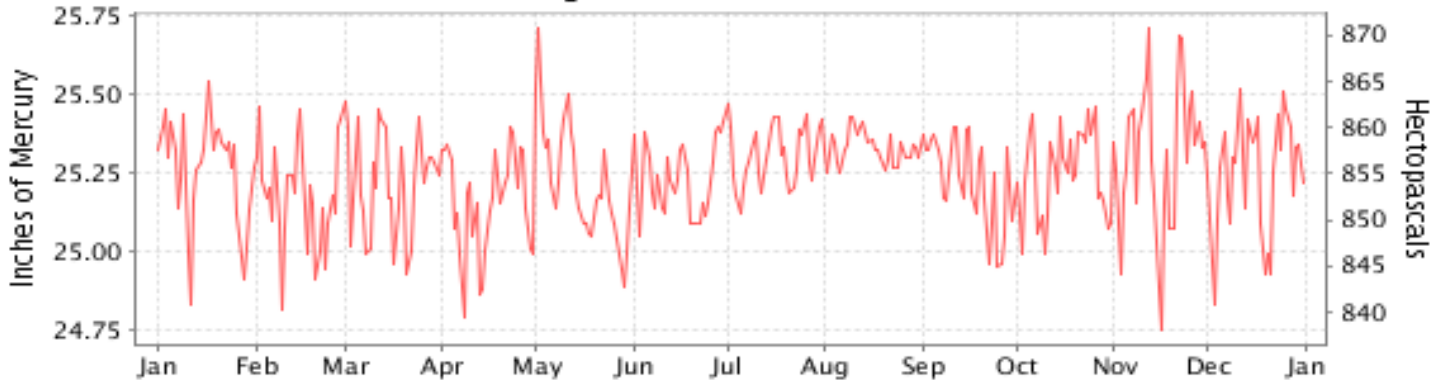
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2013

## PUEBLO (KPUB)

LATITUDE: 38° 17'N      LONGITUDE: 104° 29'W      ELEVATION (FT): GRND: 4720 BARO: 4655      TIME ZONE: MOUNTAIN (UTC -7)      WBAN: 93058

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR    |  |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 48.2  | 47.7  | 58.6  | 62.9  | 76.9  | 91.9  | 91.9  | 89.5  | 84.2  | 66.5  | 56.0  | 47.2   | 68.5    |  |
|                      | HIGHEST DAILY MAXIMUM       | 72    | 65    | 80    | 88    | 94    | 104   | 102   | 97    | 97    | 85    | 75    | 68     | 104     |  |
|                      | DATE OF OCCURRENCE          | 23    | 16+   | 15    | 29    | 24    | 27+   | 23    | 29    | 05+   | 02    | 08    | 18     | JUN 27+ |  |
|                      | MEAN DAILY MINIMUM          | 10.6  | 16.1  | 23.4  | 30.5  | 44.6  | 56.7  | 60.7  | 60.8  | 54.9  | 35.6  | 24.8  | 14.2   | 36.1    |  |
|                      | LOWEST DAILY MINIMUM        | -7    | 8     | 4     | 14    | 23    | 40    | 53    | 55    | 36    | 24    | 12    | -4     | -7      |  |
|                      | DATE OF OCCURRENCE          | 15    | 13    | 05    | 11+   | 03    | 01    | 16+   | 15+   | 28    | 19    | 06    | 09     | JAN 15  |  |
|                      | AVERAGE DRY BULB            | 29.4  | 31.9  | 41.0  | 46.7  | 60.8  | 74.3  | 76.3  | 75.2  | 69.5  | 51.0  | 40.4  | 30.7   | 52.3    |  |
|                      | MEAN WET BULB               | 21.2  | 26.0  | 32.3  | 35.8  | 45.8  | 54.8  | 60.7  | 61.4  | 55.9  | 40.5  | 32.0  | 23.2   | 40.8    |  |
|                      | MEAN DEW POINT              | 7.5   | 15.2  | 19.1  | 21.0  | 29.9  | 36.4  | 51.0  | 52.9  | 46.0  | 28.6  | 20.0  | 10.9   | 28.2    |  |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 5     | 20    | 20    | 20    | 8     | 0     | 0     | 0      | 73      |  |
|                      | MAXIMUM <= 32°              | 5     | 1     | 1     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 6      | 16      |  |
|                      | MINIMUM <= 32°              | 31    | 28    | 28    | 15    | 4     | 0     | 0     | 0     | 0     | 8     | 29    | 30     | 173     |  |
| MINIMUM <= 0°        | 3                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 5      |         |  |
| H/C                  | HEATING DEGREE DAYS         | 1097  | 918   | 735   | 541   | 194   | 17    | 0     | 0     | 25    | 429   | 729   | 1055   | 5740    |  |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 1     | 72    | 303   | 363   | 321   | 167   | 3     | 0     | 0      | 1230    |  |
| RH                   | MEAN (PERCENT)              | 48    | 56    | 48    | 44    | 40    | 32    | 48    | 53    | 50    | 49    | 52    | 52     | 48      |  |
|                      | HOUR 05 LST                 | 63    | 74    | 69    | 63    | 59    | 48    | 69    | 75    | 73    | 68    | 68    | 65     | 66      |  |
|                      | HOUR 11 LST                 | 34    | 41    | 33    | 31    | 25    | 21    | 29    | 36    | 34    | 32    | 35    | 37     | 32      |  |
|                      | HOUR 17 LST                 | 40    | 44    | 32    | 32    | 25    | 21    | 34    | 37    | 39    | 37    | 46    | 44     | 36      |  |
|                      | HOUR 23 LST                 | 55    | 65    | 57    | 53    | 49    | 41    | 60    | 65    | 59    | 62    | 62    | 59     | 57      |  |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 1     | 1     | 2     | 1     | 0     | 0     | 0     | 1     | 1     | 0     | 0     | 0      | 7       |  |
|                      | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 1     | 2     | 2     | 6     | 3     | 1     | 0     | 0      | 15      |  |
| PR                   | MEAN STATION PRESS. (IN.)   | 25.26 | 25.18 | 25.23 | 25.16 | 25.22 | 25.23 | 25.31 | 25.33 | 25.24 | 25.25 | 25.31 | 25.24  | 25.25   |  |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 30.11 | 29.99 | 29.98 | 29.89 | 29.87 | 29.81 | 29.90 | 29.92 | 29.84 | 29.96 | 30.10 | 30.08  | 29.95   |  |
| WINDS                | RESULTANT SPEED (MPH)       | 0.6   | 2.3   | 2.7   | 3.5   | 2.3   | 0.7   | 2.5   | 0.6   | 1.2   | 1.1   | 1.2   | 1.5    | 1.2     |  |
|                      | RES. DIR. (TENS OF DEGS.)   | 28    | 36    | 03    | 04    | 33    | 11    | 08    | 03    | 11    | 03    | 32    | 33     | 03      |  |
|                      | MEAN SPEED (MPH)            | 5.7   | 6.8   | 8.7   | 10.2  | 9.0   | 9.4   | 9.0   | 6.9   | 7.8   | 7.1   | 6.9   | 7.5    | 7.9     |  |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 25    | 01    | 01    | 12    | 28    | 11    | 11    | 10    | 11    | 11    | 26    | 11     | 11      |  |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | SPEED (MPH)                 | 48    | 40    | 48    | 55    | 39    | 52    | 44    | 44    | 43    | 40    | 44    | 44     | 55      |  |
|                      | DIR. (TENS OF DEGS.)        | 24    | 02    | 01    | 36    | 03    | 30    | 36    | 33    | 01    | 23    | 31    | 02     | 36      |  |
|                      | DATE OF OCCURRENCE          | 11    | 14    | 23    | 09    | 13    | 16    | 20    | 22    | 09    | 10    | 16    | 19     | APR 09  |  |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | SPEED (MPH)                 | 62    | 45    | 59    | 67    | 51    | 62    | 53    | 59    | 51    | 49    | 54    | 50     | 67      |  |
| DIR. (TENS OF DEGS.) | 23                          | 01    | 36    | 01    | 27    | 18    | 02    | 35    | 22    | 23    | 32    | 02    | 01     |         |  |
| DATE OF OCCURRENCE   | 11                          | 14    | 22    | 09    | 30    | 13    | 05    | 12    | 27    | 10    | 16    | 19    | APR 09 |         |  |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | TOTAL (IN.)                 | 0.21  | 0.48  | 0.21  | 0.30  | 0.73  | 0.27  | 1.68  | 3.92  | 1.27  | 0.24  | 0.34  | 0.03   | 9.68    |  |
|                      | GREATEST 24-HOUR (IN.)      | 0.19  | 0.17  | 0.09  | 0.13  | 0.40  | 0.14  | 1.27  | 1.89  | 0.77  | 0.08  | 0.21  | 0.02   | 1.89    |  |
|                      | DATE OF OCCURRENCE          | 29    | 20    | 04    | 17    | 08    | 08    | 20    | 07    | 15-16 | 18+   | 22    | 04     | AUG 07  |  |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | PRECIPITATION 0.01          | 3     | 6     | 5     | 5     | 6     | 4     | 9     | 11    | 7     | 4     | 4     | 2      | 66      |  |
| PRECIPITATION 0.10   | 1                           | 2     | 0     | 2     | 3     | 1     | 2     | 7     | 2     | 0     | 1     | 0     | 21     |         |  |
| PRECIPITATION 1.00   | 0                           | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0     | 2      |         |  |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       | 3.9   | 5.3   | 5.7   | 3.5   | 0.6   | T     | T     | 0.0   | 0.0   | 0.1   | 3.6   | 2.2    | 24.9    |  |
|                      | TOTAL (IN.)                 | 2.8   | 2.2   | 3.5   | 1.6   | 0.6   | T     | T     | 0.0   | 0.0   | 0.1   | 2.6   | 1.7    | 3.5     |  |
|                      | GREATEST 24-HOUR (IN.)      | 29    | 24    | 04    | 23    | 01    | 08    | 29    |       |       | 18    | 22    | 04     | MAR 04  |  |
|                      | DATE OF OCCURRENCE          | 2     | 2     | 2     | 1     | T     | 0     | 0     | 0     | 0     | 0     | 1     | 1      | 2       |  |
|                      | MAXIMUM SNOW DEPTH (IN.)    | 30    | 21    | 05    | 18    | 02    |       |       |       |       |       | 24+   | 05     | MAR 05  |  |
|                      | DATE OF OCCURRENCE          |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |  |
| SNOWFALL >= 1.0      | 2                           | 2     | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 9      |         |  |

# NORMALS, MEANS, AND EXTREMES PUEBLO (KPUB)

**LATITUDE:** 38° 17'N      **LONGITUDE:** 104° 29'W      **ELEVATION (FT):** GRND: 4720 BARO: 4655      **TIME ZONE:** MOUNTAIN (UTC -7)      **WBAN: 93058**

| ELEMENT        |   | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | YEAR     |
|----------------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM                              | 30   | 47.0  | 50.5  | 59.1  | 67.2  | 76.8  | 87.2  | 92.9  | 89.4  | 81.6  | 69.4  | 56.1  | 46.0  | 68.6     |
|                | MEAN DAILY MAXIMUM                                | 59   | 46.1  | 50.4  | 58.1  | 67.2  | 76.8  | 87.6  | 92.9  | 89.8  | 81.8  | 70.1  | 56.4  | 47.3  | 68.7     |
|                | HIGHEST DAILY MAXIMUM                             | 71   | 81    | 81    | 86    | 93    | 102   | 108   | 109   | 105   | 100   | 94    | 85    | 82    | 109      |
|                | YEAR OF OCCURRENCE                                |      | 1997  | 1981  | 1989  | 1992  | 2002  | 1990  | 2003  | 2008  | 2002  | 1991  | 2006  | 1980  | JUL 2003 |
|                | MEAN OF EXTREME MAXS.                             | 59   | 68.4  | 70.8  | 78.4  | 85.6  | 92.1  | 100.2 | 102.5 | 99.7  | 95.3  | 87.5  | 76.5  | 69.7  | 85.6     |
|                | NORMAL DAILY MINIMUM                              | 30   | 14.0  | 17.3  | 25.6  | 33.9  | 44.1  | 52.8  | 58.7  | 57.5  | 47.7  | 34.2  | 22.5  | 14.2  | 35.2     |
|                | MEAN DAILY MINIMUM                                | 59   | 13.8  | 18.3  | 25.7  | 34.8  | 45.0  | 53.9  | 60.3  | 58.5  | 49.2  | 35.9  | 23.6  | 15.6  | 36.2     |
|                | LOWEST DAILY MINIMUM                              | 71   | -29   | -31   | -20   | 2     | 23    | 35    | 44    | 40    | 21    | 4     | -17   | -25   | -31      |
|                | YEAR OF OCCURRENCE                                |      | 1948  | 1951  | 1948  | 1997  | 2013  | 2007  | 1994  | 1968  | 1999  | 1997  | 1991  | 1990  | FEB 1951 |
|                | MEAN OF EXTREME MINS.                             | 59   | -6.5  | -0.8  | 8.5   | 20.5  | 32.2  | 43.7  | 52.6  | 50.5  | 35.8  | 22.2  | 6.3   | -4.0  | 21.8     |
|                | NORMAL DRY BULB                                   | 30   | 30.5  | 33.9  | 42.3  | 50.6  | 60.4  | 70.0  | 75.8  | 73.4  | 64.7  | 51.8  | 39.3  | 30.1  | 51.9     |
|                | MEAN DRY BULB                                     | 59   | 30.0  | 34.4  | 41.9  | 51.0  | 61.0  | 71.0  | 76.6  | 74.2  | 65.5  | 53.0  | 40.0  | 31.4  | 52.5     |
|                | MEAN WET BULB                                     | 32   | 23.7  | 26.5  | 32.0  | 38.1  | 46.7  | 53.2  | 58.8  | 58.7  | 50.8  | 40.6  | 30.9  | 25.2  | 40.4     |
|                | MEAN DEW POINT                                    | 32   | 19.7  | 20.8  | 26.7  | 32.1  | 41.5  | 48.6  | 53.6  | 54.4  | 45.4  | 34.8  | 26.5  | 20.9  | 35.4     |
|                | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30   | 0.0   | 0.0   | 0.0   | 0.2   | 2.3   | 13.0  | 21.2  | 17.0  | 6.4   | 0.3   | 0.0   | 0.0   | 60.4     |
|                | MAXIMUM <= 32                                     | 30   | 4.5   | 2.7   | 0.8   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 1.2   | 4.9   | 14.3     |
| MINIMUM <= 32  | 30  | 30.5 | 26.9  | 24.3  | 11.6  | 1.0   | 0.0   | 0.0   | 0.0   | 0.6   | 11.9  | 26.4  | 30.4  | 163.6 |          |
| MINIMUM <= 0   | 30  | 2.9  | 1.6   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 2.6   | 7.5   |          |
| H/C            | NORMAL HEATING DEG. DAYS                          | 30   | 1069  | 871   | 702   | 435   | 173   | 25    | 1     | 4     | 93    | 412   | 771   | 1082  | 5638     |
|                | NORMAL COOLING DEG. DAYS                          | 30   | 0     | 0     | 0     | 2     | 32    | 175   | 336   | 266   | 83    | 3     | 0     | 0     | 897      |
| RH             | NORMAL (PERCENT)                                  | 30   | 61    | 55    | 51    | 48    | 50    | 46    | 48    | 53    | 49    | 50    | 58    | 62    | 53       |
|                | HOURLY 05 LST                                     | 30   | 73    | 69    | 70    | 72    | 76    | 73    | 75    | 79    | 74    | 71    | 78    | 73    | 74       |
|                | HOURLY 11 LST                                     | 30   | 52    | 46    | 42    | 37    | 39    | 35    | 36    | 39    | 38    | 37    | 47    | 52    | 42       |
|                | HOURLY 17 LST                                     | 30   | 51    | 37    | 34    | 32    | 34    | 29    | 32    | 36    | 32    | 33    | 48    | 53    | 38       |
|                | HOURLY 23 LST                                     | 30   | 70    | 63    | 60    | 59    | 60    | 56    | 60    | 66    | 61    | 60    | 72    | 71    | 63       |
| S              | PERCENT POSSIBLE SUNSHINE                         | 60   | 75    | 74    | 74    | 74    | 74    | 80    | 79    | 78    | 81    | 79    | 72    | 71    | 76       |
| W/O            | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 47   | 1.6   | 1.5   | 1.2   | 0.7   | 0.4   | 0.2   | 0.3   | 0.4   | 0.6   | 1.0   | 1.7   | 1.8   | 11.4     |
|                | THUNDERSTORMS                                     | 56   | 0.0   | 0.0   | 0.4   | 1.4   | 4.9   | 7.2   | 9.7   | 8.1   | 2.5   | 0.6   | 0.1   | 0.0   | 34.9     |
| CLOUDINESS     | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   | 1    | 3.2   | 4.0   | 4.8   | 4.4   | 5.2   | 2.4   | 2.8   | 4.0   | 3.2   | 2.8   | 3.2   | 2.4   | 3.5      |
|                | MIDNIGHT-MIDNIGHT (OKTAS)                         | 1    | 4.0   | 4.0   | 4.8   | 4.8   | 5.2   | 2.4   | 2.8   | 4.0   | 3.2   | 3.2   | 3.2   | 2.4   | 3.7      |
|                | MEAN NO. DAYS WITH:<br>CLEAR                      | 3    | 11.0  | 9.3   | 7.0   | 9.5   | 4.0   | 11.3  | 15.0  | 8.0   | 9.0   | 11.0  | 10.0  | 15.0  | 120.1    |
|                | PARTLY CLOUDY                                     | 2    | 3.5   | 4.7   | 2.3   | 8.5   | 7.3   | 4.0   | 6.5   | 11.0  | 1.5   | 3.5   | 2.5   | 4.0   | 59.3     |
|                | CLOUDY  | 3    | 3.3   | 5.7   | 4.7   | 5.0   | 4.3   | 2.0   | 2.0   | 5.0   | 2.5   | 5.0   | 2.5   | 2.5   | 44.5     |
| PR             | MEAN STATION PRESSURE(IN)                         | 32   | 25.25 | 25.23 | 25.19 | 25.18 | 25.20 | 25.24 | 25.31 | 25.33 | 25.31 | 25.28 | 25.27 | 25.26 | 25.25    |
|                | MEAN SEA-LEVEL PRES. (IN)                         | 32   | 30.07 | 30.03 | 29.93 | 29.86 | 29.83 | 29.83 | 29.89 | 29.92 | 29.94 | 29.98 | 30.03 | 30.07 | 29.95    |
| WINDS          | MEAN SPEED (MPH)                                  | 32   | 7.2   | 7.9   | 9.1   | 10.3  | 9.6   | 9.2   | 8.5   | 7.9   | 7.8   | 7.7   | 7.2   | 6.9   | 8.3      |
|                | PREVAIL.DIR(TENS OF DEGS)                         | 25   | 28    | 28    | 10    | 10    | 10    | 10    | 13    | 10    | 10    | 11    | 28    | 28    | 28       |
|                | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 20   | 48    | 54    | 49    | 56    | 56    | 52    | 58    | 56    | 53    | 51    | 45    | 49    | 58       |
|                | DIR. (TENS OF DEGS)                               |      | 24    | 36    | 27    | 36    | 35    | 30    | 30    | 27    | 36    | 01    | 29    | 32    | 30       |
|                | YEAR OF OCCURRENCE                                |      | 2013  | 2011  | 1994  | 2012  | 2001  | 2013  | 2000  | 2006  | 2012  | 2012  | 2011  | 2011  | JUL 2000 |
|                | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 20   | 62    | 68    | 60    | 67    | 68    | 62    | 78    | 69    | 63    | 63    | 59    | 61    | 78       |
|                | DIR. (TENS OF DEGS)                               |      | 23    | 36    | 36    | 01    | 36    | 18    | 24    | 30    | 36    | 01    | 29    | 27    | 24       |
|                | YEAR OF OCCURRENCE                                |      | 2013  | 2011  | 2008  | 2013  | 2001  | 2013  | 2011  | 2006  | 2012  | 2012  | 2011  | 2000  | JUL 2011 |
| PRECIPITATION  | NORMAL (IN)                                       | 30   | 0.35  | 0.30  | 0.93  | 1.40  | 1.51  | 1.36  | 2.06  | 2.32  | 0.77  | 0.72  | 0.47  | 0.38  | 12.57    |
|                | MAXIMUM MONTHLY (IN)                              | 71   | 1.45  | 1.39  | 2.94  | 6.17  | 5.43  | 4.26  | 5.39  | 5.85  | 2.73  | 4.91  | 2.48  | 0.97  | 6.17     |
|                | YEAR OF OCCURRENCE                                |      | 1948  | 1987  | 2000  | 1942  | 1957  | 1961  | 2009  | 1955  | 1976  | 1957  | 1991  | 1979  | APR 1942 |
|                | MINIMUM MONTHLY (IN)                              | 71   | 0.00  | T     | 0.04  | T     | 0.22  | T     | 0.09  | 0.08  | T     | T     | T     | T     | 0.00     |
|                | YEAR OF OCCURRENCE                                |      | 1993  | 2006  | 2002  | 1963  | 2004  | 1990  | 1987  | 1960  | 1956  | 1988  | 2012  | 1993  | JAN 1993 |
|                | MAXIMUM IN 24 HOURS (IN)                          | 71   | 0.61  | 0.60  | 1.31  | 2.49  | 2.53  | 2.24  | 1.96  | 2.95  | 1.57  | 3.77  | 1.08  | 0.71  | 3.77     |
|                | YEAR OF OCCURRENCE                                |      | 1990  | 1987  | 1998  | 1957  | 1957  | 1979  | 1977  | 1955  | 1982  | 1957  | 1997  | 1979  | OCT 1957 |
|                | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30   | 4.0   | 3.7   | 6.3   | 6.6   | 7.9   | 7.1   | 9.1   | 9.5   | 5.6   | 4.1   | 3.9   | 4.1   | 71.9     |
|                | PRECIPITATION >= 1.00                             | 30   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.1   | 0.5   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 1.5      |
| SNOWFALL       | NORMAL (IN)                                       | 30   | 6.5   | 3.8   | 5.7   | 3.8   | 0.5   | 0.0   | 0.0   | 0.0   | 0.3   | 1.3   | 4.4   | 5.5   | 31.8     |
|                | MAXIMUM MONTHLY (IN)                              | 71   | 20.0  | 14.4  | 22.4  | 21.2  | 10.6  | T     | T     | T     | 14.0  | 16.3  | 29.3  | 18.6  | 29.3     |
|                | YEAR OF OCCURRENCE                                |      | 1948  | 1965  | 1948  | 1957  | 1990  | 2013  | 2013  | 2009  | 1959  | 1991  | 1946  | 2011  | NOV 1946 |
|                | MAXIMUM IN 24 HOURS (IN)                          | 71   | 12.4  | 8.2   | 11.1  | 16.8  | 9.4   | T     | T     | T     | 9.5   | 12.6  | 16.3  | 8.7   | 16.8     |
|                | YEAR OF OCCURRENCE                                |      | 1990  | 1989  | 1998  | 1990  | 1990  | 2013  | 2013  | 2009  | 1959  | 1991  | 1946  | 1961  | APR 1990 |
|                | MAXIMUM SNOW DEPTH (IN)                           | 64   | 12    | 7     | 10    | 9     | 3     | 0     | 0     | 0     | 1     | 8     | 12    | 11    | 12       |
|                | YEAR OF OCCURRENCE                                |      | 1960  | 1989  | 1998  | 1990  | 1990  |       |       |       | 1984  | 1997  | 1972  | 2011  | NOV 1972 |
|                | NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0          | 30   | 1.9   | 1.3   | 1.8   | 1.0   | 0.1   | 0.0   | 0.0   | 0.0   | 0.1   | 0.3   | 1.2   | 2.0   | 9.7      |

**PRECIPITATION (inches) 2013 PUEBLO (KPUB)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1984           | 0.23 | 0.07 | 1.15 | 1.17 | 1.11 | 0.35 | 4.21 | 4.37 | 0.27 | 2.55 | 0.20 | 0.44 | 16.12  |
| 1985           | 0.50 | 0.36 | 0.72 | 1.70 | 1.46 | 0.10 | 4.82 | 0.95 | 1.01 | 0.60 | 1.13 | 0.27 | 13.62  |
| 1986           | 0.25 | 0.14 | 0.55 | 0.43 | 0.84 | 2.21 | 1.71 | 2.42 | 0.35 | 0.90 | 0.48 | 0.49 | 10.77  |
| 1987           | 0.74 | 1.39 | 0.45 | 0.30 | 2.09 | 1.29 | 0.09 | 2.89 | 0.31 | 0.04 | 0.49 | 0.74 | 10.82  |
| 1988           | 0.94 | 0.38 | 0.93 | 0.70 | 1.33 | 1.86 | 2.00 | 0.67 | 1.80 | T    | 0.17 | 0.60 | 11.38  |
| 1989           | 0.42 | 0.83 | 0.14 | 0.59 | 1.45 | 1.27 | 0.61 | 1.02 | 1.03 | 0.10 | T    | 0.87 | 8.33   |
| 1990           | 0.76 | 0.69 | 1.14 | 1.57 | 2.34 | 0.00 | 5.14 | 3.08 | 1.83 | 0.59 | 0.54 | 0.22 | 17.90  |
| 1991           | 0.08 | 0.01 | 0.74 | 0.83 | 0.72 | 1.97 | 2.79 | 2.14 | 1.36 | 0.62 | 2.48 | 0.52 | 14.26  |
| 1992           | 0.04 | 0.19 | 1.31 | 0.43 | 0.40 | 3.15 | 1.39 | 2.48 | 0.70 | 0.71 | 1.30 | 0.47 | 12.57  |
| 1993           |      | 0.18 | 1.72 | 1.40 | 1.99 | 1.49 | 1.37 | 3.71 | 0.62 | 0.54 | 1.07 | T    |        |
| 1994           | 0.46 | 0.24 | 0.83 | 2.13 | 2.36 | 2.59 | 0.12 | 4.01 | 0.16 | 1.69 | 0.58 | 0.24 | 15.41  |
| 1995           | 0.01 | 0.16 | 0.88 | 2.52 | 4.30 | 2.29 | 1.18 | 2.57 | 1.38 | T    | 0.14 | T    | 15.43  |
| 1996           | 0.24 | 0.12 | 0.95 | 0.66 | 1.80 | 1.32 | 3.41 | 2.11 | 1.46 | 0.31 | 0.43 | 0.22 | 13.03  |
| 1997           | 0.17 | 0.42 | 0.26 | 2.29 | 0.53 | 2.02 | 0.80 | 4.13 | 0.96 | 0.83 | 1.53 | 0.38 | 14.32  |
| 1998           | 0.10 | 0.17 | 1.94 | 1.88 | 1.04 | 0.68 | 2.42 | 0.93 | 0.41 | 1.60 | 0.46 | 0.33 | 11.96  |
| 1999           | 0.11 | 0.01 | 0.56 | 5.30 | 1.84 | 0.19 | 1.86 | 2.98 | 0.31 | 0.62 | 0.02 | 0.05 | 13.85  |
| 2000           | 0.34 | 0.04 | 2.94 | 1.21 | 0.85 | 0.80 | 3.03 | 0.92 | 0.36 | 1.50 | 0.08 | 0.21 | 12.28  |
| 2001           | 0.81 | 0.16 | 0.51 | 0.48 | 2.67 | 1.10 | 2.70 | 2.00 | 0.49 | 0.07 | 0.44 | 0.22 | 11.65  |
| 2002           | 0.43 | 0.07 | 0.04 | 0.16 | 0.22 | 0.43 | 0.84 | 0.30 | 0.42 | 0.67 | 0.02 | 0.34 | 3.94   |
| 2003           | 0.01 | 0.81 | 0.81 | 1.90 | 1.56 | 3.72 | 0.32 | 1.17 | 0.44 | 0.08 | 0.04 | 0.05 | 10.91  |
| 2004           | 0.51 | 0.65 | 0.55 | 4.85 | T    | 1.93 | 0.76 | 3.53 | 0.22 | 0.23 | 0.58 | 0.25 | 14.06  |
| 2005           | 0.38 | 0.20 | 1.74 | 1.55 | 1.16 | 1.15 | 0.80 | 1.39 | 0.94 | 1.60 | T    | 0.24 | 11.15  |
| 2006           | 0.52 | T    | 0.62 | 0.16 | 0.98 | 0.24 | 3.13 | 3.78 | 1.64 | 1.96 | 0.18 | 0.65 | 13.86  |
| 2007           | 0.42 | 0.11 | 0.42 | 2.83 | 2.46 | 1.53 | 1.52 | 2.60 | 0.10 | 0.33 | 0.14 | 0.47 | 12.93  |
| 2008           | 0.19 | 0.25 | 0.62 | 0.97 | 0.96 | 0.89 | 1.53 | 2.76 | 0.77 | 0.66 | 0.50 | 0.29 | 10.39  |
| 2009           | 0.04 | 0.04 | 0.72 | 1.54 | 1.07 | 1.20 | 5.39 | 2.71 | 0.95 | 1.92 | 0.07 | 0.18 | 15.83  |
| 2010           | 0.19 | 0.77 | 1.01 | 1.14 | 2.84 | 0.90 | 2.28 | 1.76 | 0.04 | 0.03 | 0.20 | 0.44 | 11.60  |
| 2011           | 0.29 | 0.58 | 0.65 | 0.30 | 0.61 | 0.80 | 2.35 | 0.79 | 0.46 | 1.18 | 0.38 | 0.84 | 9.23   |
| 2012           | 0.03 | 0.60 | 0.11 | 0.80 | 0.92 | 0.07 | 0.91 | 0.24 | 0.73 | 0.29 | T    | 0.30 | 5.00   |
| 2013           | 0.21 | 0.48 | 0.21 | 0.30 | 0.73 | 0.27 | 1.68 | 3.92 | 1.27 | 0.24 | 0.34 | 0.03 | 9.68   |
| POR=<br>58 YRS | 0.30 | 0.30 | 0.80 | 1.18 | 1.44 | 1.25 | 1.95 | 2.10 | 0.82 | 0.76 | 0.46 | 0.35 | 11.71  |

WBAN : 93058

**AVERAGE TEMPERATURE (°F) 2013 PUEBLO (KPUB)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1984           | 26.6 | 36.0 | 40.1 | 47.9 | 63.5 | 71.7 | 77.5 | 75.3 | 64.0 | 49.5 | 41.0 | 35.5 | 52.4   |
| 1985           | 25.8 | 29.1 | 43.4 | 54.0 | 61.9 | 70.9 | 75.4 | 75.0 | 62.7 | 51.6 | 31.1 | 27.4 | 50.7   |
| 1986           | 39.5 | 38.9 | 47.8 | 53.2 | 59.9 | 71.1 | 75.9 | 73.3 | 63.1 | 50.9 | 40.1 | 30.2 | 53.7   |
| 1987           | 29.8 | 37.3 | 40.4 | 52.9 | 61.7 | 71.2 | 77.0 | 72.0 | 65.0 | 53.3 | 39.6 | 29.0 | 52.4   |
| 1988           | 19.7 | 33.6 | 39.7 | 51.5 | 60.8 | 73.2 | 75.7 | 75.8 | 64.8 | 55.0 | 41.8 | 30.5 | 51.8   |
| 1989           | 33.1 | 24.0 | 46.3 | 52.8 | 62.8 | 67.9 | 76.8 | 73.6 | 65.3 | 53.2 | 42.3 | 26.1 | 52.0   |
| 1990           | 33.6 | 33.4 | 42.4 | 51.6 | 57.7 | 74.3 | 72.8 | 72.0 | 68.3 | 53.3 | 44.4 | 24.6 | 52.4   |
| 1991           | 28.8 | 38.7 | 43.4 | 51.3 | 64.0 | 72.3 | 74.9 | 73.7 | 64.7 | 52.8 | 33.9 | 32.1 | 52.6   |
| 1992           | 33.9 | 38.6 | 45.1 | 54.6 | 61.9 | 66.8 | 73.2 | 70.5 | 65.6 | 52.1 | 31.1 | 28.2 | 51.8   |
| 1993           | 26.5 | 30.6 | 42.1 | 50.5 | 59.1 | 68.8 | 74.9 | 71.2 | 60.1 | 49.0 | 32.3 | 31.8 | 49.7   |
| 1994           | 30.0 | 32.1 | 42.6 | 49.2 | 61.1 | 73.1 | 73.9 | 73.9 | 66.0 | 52.2 | 38.7 | 33.7 | 52.2   |
| 1995           | 31.6 | 36.7 | 41.1 | 44.4 | 54.0 | 65.1 | 71.8 | 75.6 | 62.2 | 48.7 | 41.3 | 31.8 | 50.4   |
| 1996           | 27.9 | 34.7 | 38.0 | 50.4 | 64.7 | 70.3 | 75.0 | 72.6 | 62.2 | 51.2 | 38.1 | 32.7 | 51.5   |
| 1997           | 28.0 | 31.7 | 43.1 | 43.8 | 58.2 | 69.5 | 75.0 | 72.0 | 66.5 | 49.9 | 34.9 | 29.5 | 50.2   |
| 1998           | 31.4 | 34.5 | 37.6 | 47.6 | 61.3 | 66.6 | 75.0 | 72.4 | 69.8 | 53.8 | 44.3 | 29.3 | 52.0   |
| 1999           | 36.2 | 40.3 | 44.7 | 47.8 | 59.6 | 68.4 | 77.2 | 73.6 | 62.7 | 52.2 | 44.6 | 33.4 | 53.4   |
| 2000           | 33.6 | 40.7 | 43.5 | 52.8 | 63.1 | 71.3 | 77.8 | 76.9 | 65.4 | 52.0 | 32.1 | 28.2 | 53.1   |
| 2001           | 26.0 | 31.5 | 40.9 | 53.3 | 58.9 | 70.6 | 78.1 | 73.8 | 66.0 | 52.2 | 42.3 | 30.3 | 52.0   |
| 2002           | 29.5 | 31.9 | 37.5 | 52.8 | 60.7 | 75.3 | 79.1 | 75.2 | 66.7 | 48.3 | 40.0 | 32.3 | 52.4   |
| 2003           | 36.3 | 30.6 | 45.3 | 55.6 | 63.4 | 67.8 | 81.2 | 76.0 | 62.6 | 56.6 | 39.0 | 34.1 | 54.0   |
| 2004           | 31.5 | 33.3 | 48.9 | 50.5 | 63.2 | 67.8 | 73.2 | 69.5 | 65.0 | 52.9 | 39.0 | 33.3 | 52.3   |
| 2005           | 33.3 | 37.2 | 40.7 | 50.2 | 60.2 | 70.1 | 78.3 | 73.0 | 67.3 | 53.2 | 42.9 | 30.5 | 53.1   |
| 2006           | 36.2 | 32.0 | 41.9 | 53.7 | 62.8 | 74.3 | 77.3 | 73.5 | 59.5 | 50.8 | 41.3 | 32.0 | 52.9   |
| 2007           | 23.8 | 32.8 | 46.6 | 48.4 | 60.0 | 68.5 | 75.5 | 76.6 | 66.4 | 54.0 | 40.7 | 28.6 | 51.8   |
| 2008           | 27.5 | 33.9 | 41.6 | 48.1 | 59.5 | 70.8 | 77.4 | 72.8 | 64.0 | 52.4 | 42.2 | 30.4 | 51.7   |
| 2009           | 34.5 | 37.4 | 43.3 | 50.1 | 62.4 | 68.8 | 74.5 | 72.5 | 63.9 | 46.2 | 42.6 | 24.4 | 51.7   |
| 2010           | 30.2 | 29.0 | 41.8 | 51.0 | 58.7 | 72.5 | 76.6 | 74.5 | 68.6 | 55.1 | 38.1 | 33.2 | 52.4   |
| 2011           | 26.9 | 29.3 | 45.0 | 51.2 | 58.1 | 73.8 | 79.2 | 78.5 | 66.1 | 53.9 | 41.0 | 25.2 | 52.4   |
| 2012           | 36.1 | 33.6 | 48.7 | 55.2 | 62.6 | 77.0 | 79.8 | 75.3 | 66.5 | 50.7 | 43.2 | 29.8 | 54.9   |
| 2013           | 29.4 | 31.9 | 41.0 | 46.7 | 60.8 | 74.3 | 76.3 | 75.2 | 69.5 | 51.0 | 40.4 | 30.7 | 52.3   |
| POR=<br>59 YRS | 30.0 | 34.4 | 41.9 | 51.0 | 61.0 | 71.0 | 76.6 | 74.2 | 65.5 | 53.0 | 40.0 | 31.4 | 52.5   |

**HEATING DEGREE DAYS (base 65°F) 2013 PUEBLO (KPUB)**

| YEAR    | JUL | AUG | SEP | OCT | NOV  | DEC  | JAN  | FEB  | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-------|
| 1984-85 | 0   | 0   | 127 | 474 | 713  | 907  | 1209 | 999  | 662 | 325 | 125 | 9   | 5550  |
| 1985-86 | 0   | 0   | 172 | 410 | 1010 | 1161 | 783  | 728  | 523 | 346 | 169 | 21  | 5323  |
| 1986-87 | 0   | 0   | 94  | 428 | 741  | 1069 | 1082 | 768  | 756 | 358 | 119 | 10  | 5425  |
| 1987-88 | 4   | 17  | 43  | 355 | 754  | 1111 | 1399 | 903  | 777 | 399 | 167 | 8   | 5937  |
| 1988-89 | 1   | 0   | 84  | 308 | 689  | 1062 | 980  | 1145 | 573 | 378 | 134 | 35  | 5389  |
| 1989-90 | 0   | 0   | 94  | 373 | 676  | 1199 | 964  | 877  | 695 | 394 | 233 | 2   | 5507  |
| 1990-91 | 1   | 0   | 34  | 360 | 610  | 1245 | 1116 | 730  | 667 | 406 | 103 | 3   | 5275  |
| 1991-92 | 1   | 0   | 76  | 380 | 929  | 1014 | 958  | 759  | 608 | 309 | 125 | 41  | 5200  |
| 1992-93 | 0   | 15  | 58  | 390 | 1009 | 1132 | 1186 | 959  | 703 | 428 | 195 | 30  | 6105  |
| 1993-94 | 0   | 18  | 155 | 491 | 973  | 1020 | 1081 | 915  | 687 | 468 | 143 | 0   | 5951  |
| 1994-95 | 0   | 6   | 57  | 389 | 785  | 964  | 1028 | 788  | 734 | 608 | 335 | 64  | 5758  |
| 1995-96 | 7   | 0   | 157 | 498 | 700  | 1019 | 1144 | 872  | 829 | 435 | 88  | 5   | 5754  |
| 1996-97 | 0   | 0   | 122 | 420 | 804  | 995  | 1139 | 925  | 672 | 633 | 211 | 11  | 5932  |
| 1997-98 | 0   | 3   | 58  | 466 | 898  | 1092 | 1035 | 848  | 844 | 517 | 126 | 61  | 5948  |
| 1998-99 | 0   | 0   | 4   | 339 | 613  | 1099 | 884  | 684  | 620 | 513 | 180 | 26  | 4962  |
| 1999-00 | 0   | 0   | 140 | 390 | 605  | 973  | 965  | 696  | 660 | 360 | 126 | 7   | 4922  |
| 2000-01 | 0   | 0   | 114 | 401 | 977  | 1136 | 1200 | 933  | 738 | 346 | 202 | 14  | 6061  |
| 2001-02 | 0   | 0   | 52  | 395 | 673  | 1068 | 1091 | 918  | 845 | 360 | 160 | 11  | 5573  |
| 2002-03 | 0   | 0   | 58  | 509 | 745  | 1007 | 879  | 956  | 605 | 275 | 110 | 29  | 5173  |
| 2003-04 | 0   | 0   | 114 | 262 | 771  | 948  | 1028 | 912  | 491 | 427 | 107 | 27  | 5087  |
| 2004-05 | 6   | 18  | 85  | 366 | 774  | 976  | 975  | 772  | 745 | 436 | 184 | 19  | 5356  |
| 2005-06 | 0   | 0   | 40  | 371 | 655  | 1061 | 886  | 920  | 709 | 329 | 130 | 0   | 5101  |
| 2006-07 | 0   | 2   | 166 | 434 | 707  | 1019 | 1272 | 897  | 565 | 490 | 159 | 28  | 5739  |
| 2007-08 | 0   | 0   | 54  | 347 | 720  | 1124 | 1156 | 894  | 719 | 499 | 202 | 19  | 5734  |
| 2008-09 | 0   | 16  | 59  | 385 | 679  | 1064 | 937  | 767  | 666 | 442 | 102 | 35  | 5152  |
| 2009-10 | 2   | 0   | 102 | 575 | 666  | 1252 | 1072 | 1000 | 712 | 411 | 220 | 16  | 6028  |
| 2010-11 | 0   | 0   | 11  | 302 | 799  | 975  | 1174 | 993  | 612 | 409 | 227 | 2   | 5504  |
| 2011-12 | 0   | 0   | 46  | 344 | 713  | 1227 | 890  | 905  | 499 | 296 | 109 | 0   | 5029  |
| 2012-13 | 0   | 0   | 54  | 436 | 648  | 1084 | 1097 | 918  | 735 | 541 | 194 | 17  | 5724  |
| 2013-   | 0   | 0   | 25  | 429 | 729  | 1055 |      |      |     |     |     |     |       |

WBAN : 93058

**COOLING DEGREE DAYS (base 65°F) 2013 PUEBLO (KPUB)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1984 | 0   | 0   | 0   | 0   | 76  | 210 | 395 | 328 | 103 | 0   | 0   | 0   | 1112  |
| 1985 | 0   | 0   | 0   | 0   | 36  | 192 | 329 | 318 | 114 | 1   | 0   | 0   | 990   |
| 1986 | 0   | 0   | 0   | 0   | 17  | 212 | 347 | 264 | 45  | 0   | 0   | 0   | 885   |
| 1987 | 0   | 0   | 0   | 2   | 26  | 203 | 385 | 240 | 50  | 2   | 0   | 0   | 908   |
| 1988 | 0   | 0   | 0   | 0   | 45  | 261 | 342 | 342 | 84  | 4   | 0   | 0   | 1078  |
| 1989 | 0   | 0   | 0   | 16  | 72  | 128 | 373 | 273 | 109 | 11  | 0   | 0   | 982   |
| 1990 | 0   | 0   | 0   | 0   | 13  | 286 | 250 | 223 | 140 | 3   | 0   | 0   | 915   |
| 1991 | 0   | 0   | 0   | 0   | 78  | 232 | 314 | 276 | 75  | 9   | 0   | 0   | 984   |
| 1992 | 0   | 0   | 0   | 3   | 34  | 100 | 262 | 191 | 82  | 0   | 0   | 0   | 672   |
| 1993 | 0   | 0   | 0   | 1   | 18  | 152 | 316 | 221 | 16  | 1   | 0   | 0   | 725   |
| 1994 | 0   | 0   | 0   | 0   | 29  | 251 | 283 | 289 | 94  | 0   | 0   | 0   | 946   |
| 1995 | 0   | 0   | 0   | 0   | 0   | 76  | 228 | 338 | 80  | 0   | 0   | 0   | 722   |
| 1996 | 0   | 0   | 0   | 4   | 87  | 170 | 316 | 244 | 45  | 1   | 0   | 0   | 867   |
| 1997 | 0   | 0   | 0   | 0   | 7   | 152 | 314 | 229 | 112 | 8   | 0   | 0   | 822   |
| 1998 | 0   | 0   | 0   | 0   | 19  | 117 | 318 | 237 | 155 | 0   | 0   | 0   | 846   |
| 1999 | 0   | 0   | 0   | 0   | 19  | 136 | 385 | 275 | 79  | 0   | 0   | 0   | 894   |
| 2000 | 0   | 0   | 0   | 0   | 77  | 205 | 404 | 373 | 132 | 8   | 0   | 0   | 1199  |
| 2001 | 0   | 0   | 0   | 1   | 19  | 190 | 416 | 280 | 90  | 4   | 0   | 0   | 1000  |
| 2002 | 0   | 0   | 0   | 0   | 33  | 326 | 444 | 326 | 115 | 0   | 0   | 0   | 1244  |
| 2003 | 0   | 0   | 0   | 0   | 67  | 121 | 511 | 348 | 47  | 5   | 0   | 0   | 1099  |
| 2004 | 0   | 0   | 0   | 1   | 60  | 116 | 267 | 164 | 94  | 0   | 0   | 0   | 702   |
| 2005 | 0   | 0   | 0   | 0   | 41  | 181 | 418 | 255 | 114 | 13  | 0   | 0   | 1022  |
| 2006 | 0   | 0   | 0   | 0   | 69  | 287 | 390 | 272 | 7   | 3   | 0   | 0   | 1028  |
| 2007 | 0   | 0   | 0   | 0   | 10  | 140 | 334 | 366 | 103 | 12  | 0   | 0   | 965   |
| 2008 | 0   | 0   | 0   | 0   | 39  | 200 | 393 | 263 | 36  | 1   | 0   | 0   | 932   |
| 2009 | 0   | 0   | 0   | 0   | 28  | 156 | 304 | 240 | 76  | 0   | 0   | 0   | 804   |
| 2010 | 0   | 0   | 0   | 0   | 32  | 248 | 367 | 300 | 126 | 1   | 0   | 0   | 1074  |
| 2011 | 0   | 0   | 0   | 0   | 22  | 272 | 447 | 429 | 82  | 7   | 0   | 0   | 1259  |
| 2012 | 0   | 0   | 0   | 9   | 44  | 370 | 467 | 326 | 105 | 1   | 0   | 0   | 1322  |
| 2013 | 0   | 0   | 0   | 1   | 72  | 303 | 363 | 321 | 167 | 3   | 0   | 0   | 1230  |

**SNOWFALL (inches) 2013 PUEBLO (KPUB)**

| YEAR           | JUL | AUG | SEP | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-------|
| 1984-85        | 0.0 | 0.0 | 3.0 | 4.9  | 1.5  | 6.2  | 10.1 | 4.1  | 7.8  | 0.0  | 0.0  | 0.0 | 37.6  |
| 1985-86        | 0.0 | 0.0 | 1.2 | T    | 23.5 | 4.9  | 3.9  | 3.7  | 2.4  | 2.5  | T    | 0.0 | 42.1  |
| 1986-87        | 0.0 | 0.0 | 0.0 | T    | 3.6  | 6.2  | 13.9 | 4.9  | 1.8  | 1.1  | 0.0  | 0.0 | 31.5  |
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0  | 5.2  | 12.0 | 18.3 | 8.3  | 11.1 | 8.9  | 0.4  | 0.0 | 64.2  |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0  | 1.2  | 9.3  | 9.0  | 12.6 | T    | 1.2  | T    | T   | 33.3  |
| 1989-90        | 0.0 | 0.0 | 0.0 | T    | T    | 10.4 | 15.0 | 12.7 | 2.5  | 18.4 | 10.6 | 0.0 | 69.6  |
| 1990-91        | 0.0 | 0.0 | 0.0 | 1.6  | 5.1  | 6.5  | 2.4  | 0.1  | 10.5 | 2.0  | T    | T   | 28.2  |
| 1991-92        | T   | T   | T   | 16.3 | 25.6 | 4.0  | 1.1  | 0.5  | 1.2  | 0.0  | 0.0  | T   | 48.7  |
| 1992-93        | T   | 0.0 | 0.0 |      |      |      | 6.4  |      |      |      |      |     |       |
| 1993-94        |     |     |     |      |      |      |      |      |      | 17.2 | T    | 0.0 |       |
| 1994-95        | 0.0 | T   | 0.0 | 0.0  | 6.7  | 5.0  | 0.4  | 5.4  | 11.6 | 0.0  | 0.0  |     |       |
| 1995-96        |     | 0.0 | 3.5 | 0.0  | 1.2  | T    | 5.5  | 2.7  | 5.4  | 3.6  | 0.0  | 0.0 |       |
| 1996-97        | 0.0 | T   | 0.8 | 3.5  | 4.3  | 2.8  | 4.8  | 6.3  | 3.2  | 7.3  | 0.0  | T   | 33.0  |
| 1997-98        | 0.0 | T   | 0.0 | 8.2  | 10.6 | 5.2  | 1.0  | 0.6  | 12.5 | 1.3  | T    | 0.0 | 39.4  |
| 1998-99        | T   | T   | 0.0 | T    | T    | 8.1  | 1.5  | 0.3  | 4.8  | 7.6  | T    | 0.0 | 22.3  |
| 1999-00        | 0.0 | 0.0 | 0.0 | 2.0  | T    | 0.4  | 5.5  | T    | 8.2  | 0.4  | 0.0  | 0.0 | 16.5  |
| 2000-01        | T   | 0.0 | T   | T    | 1.8  | 2.4  | 19.3 | 4.7  | 2.4  | 0.4  | 0.4  | T   | 31.4  |
| 2001-02        | T   | T   | 0.0 | 0.0  | 2.1  | 2.9  | 8.9  | 2.2  | 0.7  | 0.0  | 0.0  | 0.0 | 16.8  |
| 2002-03        | T   | 0.0 | 0.0 | 0.7  | T    | 5.7  | 0.2  | 8.4  | 4.4  | 0.2  | 0.0  | T   | 19.6  |
| 2003-04        | 0.0 | 0.0 | 0.0 | 0.0  | 0.8  | T    | 9.6  | 4.5  | 3.0  | 2.4  | 0.0  | 0.0 | 20.3  |
| 2004-05        | 0.0 | 0.0 | 0.0 | 0.0  | 4.9  | 3.3  | 2.2  | 1.1  | 5.8  | 0.6  | T    | 0.0 | 17.9  |
| 2005-06        | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 5.6  | 7.6  | 0.5  | 3.8  | 0.0  | 0.0  | 0.0 | 17.5  |
| 2006-07        | 0.0 | 0.0 | 0.0 | T    | 4.1  | 11.5 | 9.7  | 2.9  | T    | 3.0  | T    | 0.0 | 31.2  |
| 2007-08        | T   | T   | 0.0 | T    | 1.7  | 7.8  | 3.9  | 4.0  | 6.5  | 1.4  | 0.0  | 0.0 | 25.3  |
| 2008-09        | 0.0 | 0.0 | 0.0 | 0.0  | 0.8  | 3.0  | 1.3  | T    | 8.4  | 0.9  | 0.0  | 0.0 | 14.4  |
| 2009-10        | T   | T   | T   | 0.8  | 0.6  | 6.0  | 2.8  | 10.8 | 7.9  | T    | T    | 0.0 | 28.9  |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0  | 0.5  | 7.8  | 5.7  | 8.4  | 2.7  | 0.2  | T    | 0.0 | 25.3  |
| 2011-12        | T   | 0.0 | 0.0 | 0.3  | 2.7  | 18.6 | 0.4  | 7.2  | 1.8  | 1.1  | T    | 0.0 | 32.1  |
| 2012-13        | 0.0 | 0.0 | 0.0 | 1.6  | T    | 4.0  | 3.9  | 5.3  | 5.7  | 3.5  | 0.6  | T   | 24.6  |
| 2013-          | T   | 0.0 | 0.0 | 0.1  | 3.6  | 2.2  |      |      |      |      |      |     |       |
| POR=<br>58 YRS | T   | T   | 0.5 | 1.3  | 3.5  | 5.2  | 5.7  | 4.2  | 6.1  | 3.4  | 0.3  | T   | 30.2  |

WBAN : 93058

**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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# 2013 PUEBLO COLORADO (KPUB)

The city of Pueblo is located about 40 miles east-southeast of the Royal Gorge, at the junction of the Arkansas and Fountain Rivers. The mountains west of the city extend from within 25 miles to the southwest to about 35 miles to the northwest. Lake Pueblo, the largest body of water in southern Colorado, is located 7 miles west of the city and provides a variety of water sports, fishing, picnicing, and a wildlife preserve. The countryside surrounding Pueblo consists of rolling plains, broken by normally dry arroyos, and is generally treeless, covered mainly with sparse bunchgrass and occasional cacti. The business section of the city is 4,663 feet above sea level. The National Weather Service Office is located at Pueblo Memorial Airport, 6 miles east of the Pueblo Post Office, and about 1 1/2 miles north of the Arkansas River. Terrain at the airport is relatively flat, and from 50 to 100 feet above the river. The air quality in Pueblo is rated the best of large Colorado cities along the front range.

The climate is semi-arid and marked by large daily temperature variations. The temperature reaches 90 degrees or more about half the time during the summer, but thanks to the low relative humidity, the heat is not oppressive. Summer nights are invariably cool since mountain breezes prevail from shortly after sunset to about noon

the following day. The sun shines about 76 percent of the time. Winter is comparatively mild due to the abundant sunshine and the protection afforded by the nearby mountains. Temperatures reach 50 degrees or higher in the winter. The temperature drops to zero or below about eight times during the winter. Cold spells are generally broken after a few days by chinook winds, a very dry, warm, downslope westerly wind.

The probability of measurable precipitation in summer is one day out of four and in winter one out of eight. Summer rains usually occur in the form of afternoon thunderstorms. Blowing dust frequently develops during the spring months of abnormally dry years, especially in areas where dry farming has been attempted.

Agriculture consists chiefly of cattle grazing on the dry plains and irrigated farming near streams. Sugar beets, corn, chili peppers, and melons are the most important crops. In addition, a variety of vegetables, from asparagus to zucchini, are grown. Some dry farming is attempted, but the extent of such operations is limited by the annual precipitation of less than 12 inches.

# Station History

PUEBLO, CO

| NAME               | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform          |
|--------------------|------------|------------|----------|-----------|----------------|------------|-------------------|
| PUEBLO MEMORIAL AP | 1973-01-01 | 1992-10-01 | 38° 16'  | -104° 30' | 4684           |            | COOP, WXSVC       |
| PUEBLO MEMORIAL AP | 2007-07-09 | Present    | 38° 17'  | -104° 29' | 4720           |            | ASOS, COOP, WXSVC |
| PUEBLO MEMORIAL AP | 1999-04-24 | 2002-12-17 | 38° 17'  | -104° 29' | 4720           | .4 MI NNW  | ASOS, COOP, WXSVC |
| PUEBLO MEMORIAL AP | 2002-12-17 | 2007-07-09 | 38° 17'  | -104° 29' | 4720           |            | ASOS, COOP, WXSVC |
| PUEBLO MEMORIAL AP | 1970-01-01 | 1973-01-01 | 38° 16'  | -104° 30' | 4684           |            | AIRWAYS, COOP     |
| PUEBLO MEMORIAL AP | 1954-06-01 | 1970-01-01 | 38° 16'  | -104° 30' | 4646           |            | AIRWAYS, COOP     |
| PUEBLO MEMORIAL AP | 1992-10-01 | 1999-04-24 | 38° 17'  | -104° 29' | 4684           |            | ASOS, COOP, WXSVC |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| EVAP    | 1954-06-01 | 1982-04-01 | DAILY     | 0630                |             |                           |                    |
| TEMP    | 1954-06-01 | 1982-04-01 | DAILY     | 2300                |             |                           |                    |
| EVAP    | 1982-04-01 | 1982-06-01 | DAILY     | 0630                |             |                           |                    |
| TEMP    | 1988-09-14 | 1995-07-01 | DAILY     | 2400                | HYGR        |                           |                    |
| TEMP    | 1995-07-01 | 1999-04-24 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1988-09-14 | 1995-07-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1995-07-01 | 1999-04-24 | HOURLY    | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 1999-04-24 | 2000-09-06 | DAILY     | 2400                | HYGR        |                           |                    |
| TEMP    | 2000-09-06 | 2002-12-17 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 2012-01-31 | Present    | HOURLY    | 2400                | AWPAG       | SHLD;RCRD;HTD             |                    |
| EVAP    | 1995-07-01 | 1999-04-24 | DAILY     | 0630                | PAN-LEVEL   |                           |                    |
| EVAP    | 2000-09-06 | 2002-12-17 | DAILY     | 0700                | EVAP-C      |                           |                    |
| PRECIP  | 2000-09-06 | 2002-12-17 | HOURLY    | 2400                | TB          | RCRD                      |                    |
| PRECIP  | 1954-06-01 | 1982-04-01 | DAILY     | 2400                |             |                           |                    |
| EVAP    | 1982-06-01 | 1988-09-14 | DAILY     | 0630                |             |                           |                    |
| EVAP    | 1988-09-14 | 1995-07-01 | DAILY     | 0630                | PAN-LEVEL   |                           |                    |
| EVAP    | 1988-09-14 | 1995-07-01 | DAILY     | 0630                | WIND        |                           |                    |
| EVAP    | 2000-09-06 | 2002-12-17 | DAILY     | 0700                | SIXES       |                           |                    |
| PRECIP  | 2002-12-17 | 2012-01-31 | DAILY     | 2400                | PCPNX       | SHLD                      |                    |
| TEMP    | 2012-01-31 | Present    | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP  | 1982-04-01 | 1982-06-01 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1982-06-01 | 1988-09-14 | HOURLY    | 2400                |             |                           |                    |
| EVAP    | 2002-12-17 | 2007-07-09 | DAILY     | 0730                | SIXES       |                           |                    |
| EVAP    | 2002-12-17 | 2007-07-09 | DAILY     | 0730                | WIND        |                           |                    |
| TEMP    | 1982-04-01 | 1982-06-01 | DAILY     | 2300                |             |                           |                    |
| PRECIP  | 1988-09-14 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1999-04-24 | 2000-09-06 | DAILY     | 2400                | TB          | RCRD                      |                    |
| PRECIP  | 2002-12-17 | 2012-01-31 | HOURLY    | 2400                | AHTB        | SHLD;RCRD;HTD             |                    |
| PRECIP  | 1982-06-01 | 1988-09-14 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 1982-06-01 | 1988-09-14 | DAILY     | 2400                |             |                           |                    |
| EVAP    | 1995-07-01 | 1999-04-24 | DAILY     | 0630                | SIXES       |                           |                    |
| PRECIP  | 1999-04-24 | 2000-09-06 | HOURLY    | 2400                | TB          | RCRD                      |                    |
| TEMP    | 2002-12-17 | 2012-01-31 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 2012-01-31 | Present    | DAILY     | 2400                | PCPNX       | SHLD                      |                    |
| PRECIP  | 1982-04-01 | 1982-06-01 | DAILY     | 2400                |             |                           |                    |
| EVAP    | 1988-09-14 | 1995-07-01 | DAILY     | 0630                | SIXES       |                           |                    |
| PRECIP  | 1995-07-01 | 1999-04-24 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| EVAP    | 1995-07-01 | 1999-04-24 | DAILY     | 0630                | WIND        |                           |                    |
| EVAP    | 2000-09-06 | 2002-12-17 | DAILY     | 0700                | WIND        |                           |                    |
| PRECIP  | 2000-09-06 | 2002-12-17 | DAILY     | 2400                | TB          | RCRD                      |                    |
| EVAP    | 2002-12-17 | 2010-05-01 | DAILY     | 0730                | EVAP-C      |                           |                    |

\* 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>

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