

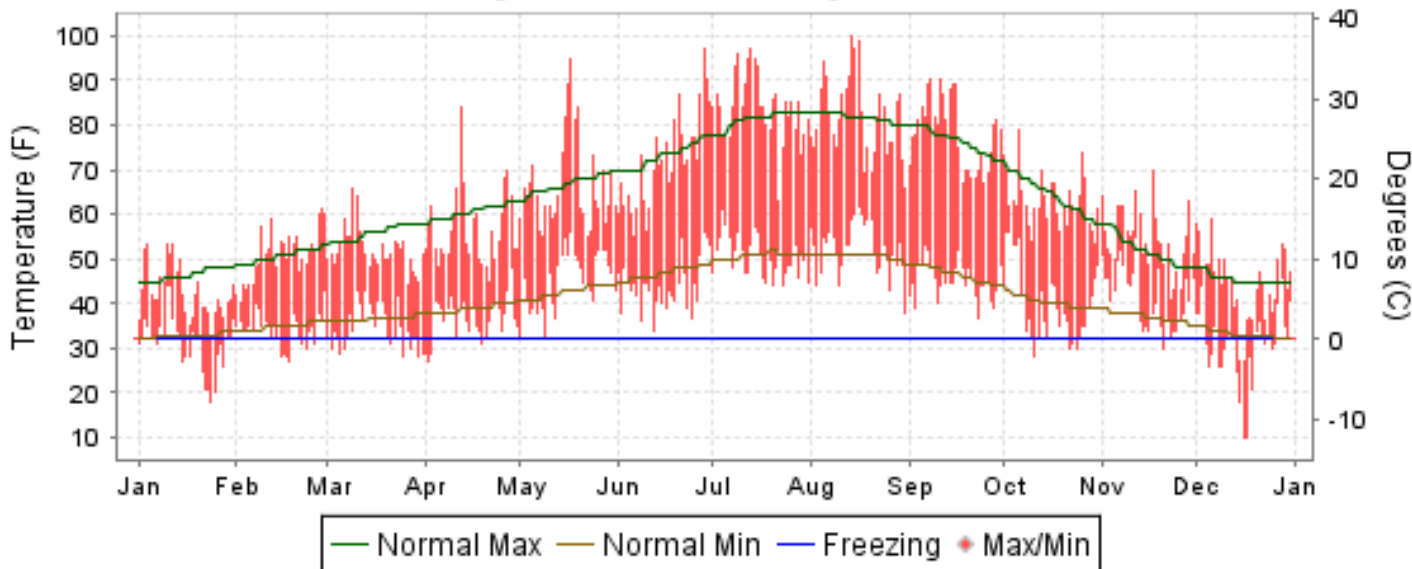


# 2008 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

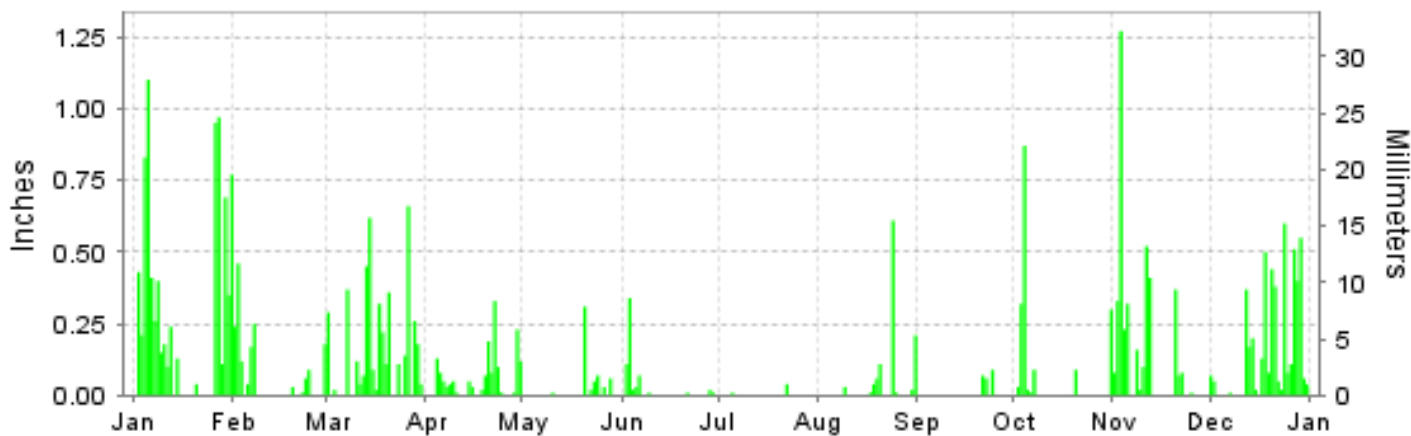
ISSN 0198-4136

## EUGENE, OREGON (KEUG)

### 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 2008

## EUGENE (KEUG)

LATITUDE: 44° 8' N      LONGITUDE: -123° 12' W      ELEVATION (FT): GRND: 355    BARO: 363      TIME ZONE: PACIFIC (UTC -8)      WBAN: 24221

| ELEMENT                  |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |    |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F           | MEAN DAILY MAXIMUM          | 42.6  | 50.9  | 52.0  | 56.6  | 66.6  | 71.9  | 83.8  | 82.0  | 78.3  | 63.0  | 54.5  | 44.5   | 62.2      |    |
|                          | HIGHEST DAILY MAXIMUM       | 53    | 61    | 66    | 84    | 95    | 97    | 97    | 100   | 90    | 79    | 70    | 59     | 100       |    |
|                          | DATE OF OCCURRENCE          | 12+   | 28    | 09    | 12    | 17    | 28    | 13    | 14    | 11+   | 06    | 17    | 06     | AUG 14    |    |
|                          | MEAN DAILY MINIMUM          | 31.2  | 34.1  | 34.7  | 36.8  | 45.3  | 44.2  | 50.5  | 52.3  | 45.4  | 40.1  | 41.4  | 30.7   | 40.6      |    |
|                          | LOWEST DAILY MINIMUM        | 18    | 27    | 28    | 27    | 33    | 34    | 44    | 38    | 37    | 28    | 30    | 10     | 10        |    |
|                          | DATE OF OCCURRENCE          | 24    | 18    | 30+   | 02    | 09+   | 12    | 23+   | 31    | 23    | 11    | 21    | 17+    | DEC 17+   |    |
|                          | AVERAGE DRY BULB            | 36.9  | 42.5  | 43.4  | 46.7  | 56.0  | 58.1  | 67.2  | 67.2  | 61.9  | 51.6  | 48.0  | 37.6   | 51.4      |    |
|                          | MEAN WET BULB               | 35.4  | 40.0  | 40.4  | 42.9  | 51.3  | 52.2  | 57.0  | 58.6  | 53.7  | 47.9  | 46.6  | 37.1   | 46.9      |    |
|                          | MEAN DEW POINT              | 33.3  | 38.3  | 37.5  | 39.1  | 47.2  | 47.2  | 49.1  | 53.2  | 47.7  | 44.6  | 45.4  | 35.5   | 43.2      |    |
|                          | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 1     | 2     | 6     | 6     | 2     | 0     | 0     | 0      | 0         | 17 |
|                          | MAXIMUM <= 32°              | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2      | 2         | 3  |
|                          | MINIMUM <= 32°              | 16    | 8     | 12    | 5     | 0     | 0     | 0     | 0     | 0     | 5     | 2     | 19     | 67        |    |
| MINIMUM <= 0°            | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0         |    |
| H/C                      | HEATING DEGREE DAYS         | 864   | 646   | 663   | 540   | 296   | 232   | 20    | 38    | 116   | 410   | 502   | 842    | 5169      |    |
|                          | COOLING DEGREE DAYS         | 0     | 0     | 0     | 0     | 23    | 31    | 95    | 115   | 29    | 2     | 0     | 0      | 295       |    |
| RH                       | MEAN (PERCENT)              | 89    | 88    | 84    | 79    | 75    | 70    | 57    | 67    | 67    | 81    | 92    | 91     | 78        |    |
|                          | HOUR 04 LST                 | 92    | 96    | 94    | 92    | 91    | 92    | 86    | 88    | 91    | 95    | 95    | 94     | 92        |    |
|                          | HOUR 10 LST                 | 87    | 85    | 77    | 71    | 65    | 59    | 46    | 55    | 53    | 72    | 89    | 87     | 71        |    |
|                          | HOUR 16 LST                 | 86    | 77    | 67    | 63    | 61    | 49    | 32    | 45    | 39    | 65    | 89    | 88     | 63        |    |
|                          | HOUR 22 LST                 | 91    | 94    | 91    | 85    | 83    | 82    | 68    | 80    | 78    | 89    | 96    | 94     | 86        |    |
| S                        | PERCENT POSSIBLE SUNSHINE   |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| W/O                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | HEAVY FOG(VISBY <= 1/4 MI)  | 7     | 10    | 6     | 1     | 1     | 4     | 0     | 0     | 4     | 10    | 15    | 11     | 69        |    |
|                          | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 0     | 2     | 0     | 2     | 0     | 0     | 0     | 0      | 4         |    |
| CLOUDNESS                | 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.)   | 29.60 | 29.72 | 29.82 | 29.75 | 29.68 | 29.71 | 29.62 | 29.57 | 29.62 | 29.75 | 29.72 | 29.66  | 29.69     |    |
|                          | MEAN SEA-LEVEL PRESS. (IN.) | 30.01 | 30.13 | 30.23 | 30.15 | 30.08 | 30.12 | 30.02 | 29.98 | 30.03 | 30.16 | 30.13 | 30.07  | 30.09     |    |
| WINDS                    | RESULTANT SPEED (MPH)       | 3.8   | 3.0   | 4.0   | 3.2   | 2.0   | 1.9   | 4.2   | 1.8   | 2.9   | 0.6   | 3.0   | 4.0    | 1.3       |    |
|                          | RES. DIR. (TENS OF DEGS.)   | 19    | 20    | 21    | 22    | 31    | 30    | 35    | 29    | 36    | 31    | 18    | 19     | 24        |    |
|                          | MEAN SPEED (MPH)            | 7.6   | 5.9   | 6.9   | 7.2   | 5.3   | 6.4   | 7.8   | 7.0   | 5.8   | 5.2   | 6.1   | 7.6    | 6.6       |    |
|                          | PREVAIL.DIR.(TENS OF DEGS.) | 18    | 18    | 18    | 17    | 01    | 36    | 01    | 36    | 36    | 36    | 18    | 18     | 18        |    |
|                          | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | SPEED (MPH)                 | 35    | 22    | 35    | 31    | 23    | 30    | 28    | 24    | 26    | 23    | 28    | 29     | 35        |    |
|                          | DIR. (TENS OF DEGS.)        | 18    | 22    | 29    | 20    | 26    | 25    | 01    | 24    | 36    | 18    | 32    | 26     | 29        |    |
|                          | DATE OF OCCURRENCE          | 04    | 07    | 28    | 23    | 20    | 29    | 08    | 17    | 07    | 04    | 03    | 29     | MAR 28    |    |
|                          | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | SPEED (MPH)                 | 48    | 30    | 39    | 40    | 28    | 40    | 36    | 35    | 31    | 28    | 33    | 39     | 48        |    |
| DIR. (TENS OF DEGS.)     | 18                          | 24    | 29    | 20    | 24    | 26    | 36    | 36    | 25    | 34    | 23    | 26    | 18     |           |    |
| DATE OF OCCURRENCE       | 04                          | 29    | 28    | 23    | 24    | 29    | 08    | 31    | 17    | 08    | 20    | 29    | JAN 04 |           |    |
| PRECIPITATION            | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | TOTAL (IN.)                 | 8.32  | 1.65  | 4.49  | 1.63  | 0.55  | 0.62  | 0.05  | 1.10  | 0.22  | 1.73  | 3.97  | 4.84   | 29.17     |    |
|                          | GREATEST 24-HOUR (IN.)      | 1.77  | 0.79  | 0.82  | 0.36  | 0.31  | 0.41  | 0.04  | 0.62  | 0.13  | 1.03  | 1.27  | 0.70   | 1.77      |    |
|                          | DATE OF OCCURRENCE          | 26-27 | 31-01 | 13-14 | 21-22 | 20    | 02-03 | 22    | 24-25 | 21-22 | 03-04 | 03    | 28-29  | JAN 26-27 |    |
|                          | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | PRECIPITATION 0.01          | 19    | 11    | 20    | 19    | 7     | 9     | 2     | 9     | 3     | 8     | 14    | 22     | 143       |    |
| PRECIPITATION 0.10       | 18                          | 6     | 14    | 6     | 1     | 2     | 0     | 3     | 0     | 3     | 9     | 12    | 74     |           |    |
| PRECIPITATION 1.00       | 1                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 2      |           |    |
| SNOWFALL                 | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | TOTAL (IN.)                 |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | GREATEST 24-HOUR (IN.)      |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | DATE OF OCCURRENCE          |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                          | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| SNOWFALL >= 1.0          |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |    |

# NORMALS, MEANS, AND EXTREMES EUGENE (KEUG)

LATITUDE:  
44 ° 8 'N

LONGITUDE:  
-123° 12'W

ELEVATION (FT):  
GRND: 355 BARO: 363

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 24221

|  | ELEMENT   | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F                           | NORMAL DAILY MAXIMUM                              | 30   | 46.5  | 50.7  | 55.9  | 60.6  | 66.8  | 73.3  | 81.5  | 81.9  | 76.6  | 64.6  | 52.1  | 45.7     | 63.0     |
|  | MEAN DAILY MAXIMUM                                | 69   | 46.3  | 50.7  | 55.7  | 60.6  | 67.4  | 73.5  | 82.3  | 81.9  | 76.3  | 64.3  | 52.4  | 46.8     | 63.2     |
|  | HIGHEST DAILY MAXIMUM                             | 66   | 67    | 72    | 78    | 86    | 95    | 102   | 105   | 108   | 103   | 94    | 76    | 68       | 108      |
|  | YEAR OF OCCURRENCE                                |      | 2005  | 1995  | 2003  | 1957  | 2008  | 1992  | 2006  | 1981  | 1988  | 1980  | 1975  | 1979     | AUG 1981 |
|  | MEAN OF EXTREME MAXS.                             | 69   | 59.1  | 63.0  | 68.3  | 75.5  | 83.8  | 90.2  | 96.6  | 95.7  | 92.2  | 79.6  | 64.8  | 59.5     | 77.4     |
|  | NORMAL DAILY MINIMUM                              | 30   | 33.0  | 34.9  | 36.7  | 38.9  | 42.7  | 47.0  | 50.8  | 50.8  | 46.7  | 40.5  | 37.2  | 33.3     | 41.0     |
|  | MEAN DAILY MINIMUM                                | 69   | 33.5  | 34.8  | 37.0  | 39.3  | 43.6  | 47.8  | 51.3  | 51.2  | 47.2  | 41.8  | 37.7  | 34.7     | 41.7     |
|  | LOWEST DAILY MINIMUM                              | 66   | -4    | -3    | 20    | 27    | 28    | 32    | 39    | 38    | 0     | 17    | 12    | -12      | -12      |
|  | YEAR OF OCCURRENCE                                |      | 1957  | 1950  | 1956  | 2008  | 1954  | 1976  | 1986  | 2008  | 1996  | 2006  | 1978  | 1972     | DEC 1972 |
|  | MEAN OF EXTREME MINS.                             | 69   | 20.2  | 23.5  | 28.0  | 30.8  | 34.1  | 38.7  | 43.1  | 43.0  | 37.5  | 30.1  | 25.7  | 22.3     | 31.4     |
|  | NORMAL DRY BULB                                   | 30   | 39.8  | 42.8  | 46.3  | 49.8  | 54.8  | 60.2  | 66.2  | 66.4  | 61.7  | 52.6  | 44.7  | 39.5     | 52.1     |
|  | MEAN DRY BULB                                     | 69   | 39.9  | 42.8  | 46.4  | 49.9  | 55.5  | 60.7  | 66.9  | 66.6  | 61.8  | 53.1  | 45.1  | 40.8     | 52.5     |
|  | MEAN WET BULB                                     | 25   | 39.1  | 40.2  | 43.4  | 46.2  | 50.5  | 54.1  | 57.7  | 57.4  | 53.9  | 48.6  | 43.3  | 38.5     | 47.7     |
|  | MEAN DEW POINT                                    | 25   | 37.8  | 38.3  | 41.1  | 43.5  | 47.6  | 50.5  | 53.1  | 52.6  | 49.7  | 46.0  | 41.8  | 37.2     | 44.9     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 1.0   | 5.9   | 5.7   | 2.5   | 0.1   | 0.0   | 0.0      | 15.4     |
|  | MAXIMUM <= 32                                     | 30   | 1.3   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 1.4      | 3.4      |
|  | MINIMUM <= 32                                     | 30   | 13.7  | 9.3   | 5.9   | 2.5   | 0.5   | *     | 0.0   | 0.0   | 0.2   | 2.3   | 7.4   | 12.5     | 54.3     |
| 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   | 0.1   | 0.1      |          |
| H/C                                      | NORMAL HEATING DEG. DAYS                          | 30   | 769   | 615   | 564   | 443   | 308   | 152   | 45    | 31    | 115   | 370   | 594   | 780      | 4786     |
|  | NORMAL COOLING DEG. DAYS                          | 30   | 0     | 0     | 0     | 0     | 5     | 21    | 95    | 88    | 32    | 1     | 0     | 0        | 242      |
| RH                                       | NORMAL (PERCENT)                                  | 30   | 88    | 86    | 82    | 78    | 75    | 72    | 65    | 65    | 69    | 80    | 88    | 90       | 78       |
|  | HOURLY 04 LST                                     | 30   | 91    | 92    | 92    | 91    | 91    | 90    | 88    | 88    | 89    | 93    | 93    | 92       | 91       |
|  | HOURLY 10 LST                                     | 30   | 89    | 87    | 80    | 73    | 69    | 65    | 59    | 61    | 66    | 79    | 88    | 90       | 76       |
|  | HOURLY 16 LST                                     | 30   | 80    | 74    | 65    | 60    | 57    | 51    | 41    | 39    | 44    | 59    | 79    | 84       | 61       |
|  | HOURLY 22 LST                                     | 30   | 90    | 90    | 87    | 84    | 83    | 81    | 74    | 74    | 77    | 86    | 92    | 92       | 84       |
| S  | PERCENT POSSIBLE SUNSHINE                         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| W/O                                      | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 45   | 9.5   | 6.8   | 4.1   | 2.6   | 1.6   | 1.1   | 0.4   | 0.9   | 3.4   | 10.1  | 10.4  | 9.6      | 60.5     |
|  | THUNDERSTORMS                                     | 59   | 0.2   | 0.2   | 0.3   | 0.5   | 0.8   | 0.6   | 0.5   | 0.5   | 0.4   | 0.2   | 0.2   | 0.2      | 4.6      |
| CLOUDNESS                                | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      | 1    | 1.0   | 1.0   | 5.0   |       | 2.0   | 2.0   |       |       |       |       |       |          |          |
|  | PARTLY CLOUDY                                     | 1    | 1.0   | 1.0   |       |       | 4.0   | 2.0   |       |       |       |       |       |          |          |
| CLOUDY                                   | 1   | 1.0  | 4.0   | 13.0  |       | 5.0   |       |       |       |       |       |       |       |          |          |
| PR                                       | MEAN STATION PRESSURE(IN)                         | 25   | 29.70 | 29.68 | 29.66 | 29.67 | 29.65 | 29.65 | 29.64 | 29.62 | 29.62 | 29.68 | 29.69 | 29.70    | 29.66    |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 25   | 30.11 | 30.09 | 30.07 | 30.08 | 30.06 | 30.05 | 30.04 | 30.02 | 30.02 | 30.08 | 30.10 | 30.12    | 30.07    |
| WINDS                                    | MEAN SPEED (MPH)                                  | 25   | 7.3   | 7.3   | 7.4   | 7.3   | 6.8   | 7.2   | 7.7   | 7.4   | 7.0   | 6.6   | 7.1   | 7.3      | 7.2      |
|  | PREVAIL.DIR(TENS OF DEGS)                         | 29   | 19    | 19    | 19    | 19    | 36    | 36    | 36    | 36    | 36    | 19    | 19    | 19       | 36       |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 13   | 35    | 60    | 37    | 36    | 36    | 30    | 28    | 26    | 32    | 39    | 41    | 44       | 60       |
|  | DIR. (TENS OF DEGS)                               |      | 18    | 19    | 22    | 23    | 22    | 25    | 01    | 23    | 33    | 23    | 17    | 24       | 19       |
|  | YEAR OF OCCURRENCE                                |      | 2008  | 2002  | 1999  | 2007  | 2000  | 2008  | 2008  | 2004  | 2004  | 1996  | 1998  | 2006     | FEB 2002 |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 13   | 48    | 70    | 52    | 46    | 46    | 40    | 36    | 35    | 40    | 52    | 48    | 54       | 70       |
|  | DIR. (TENS OF DEGS)                               |      | 18    | 19    | 17    | 22    | 17    | 26    | 36    | 36    | 22    | 23    | 18    | 25       | 19       |
| YEAR OF OCCURRENCE                       |   | 2008 | 2002  | 1999  | 2003  | 2005  | 2008  | 2008  | 2008  | 2007  | 1996  | 1998  | 2006  | FEB 2002 |          |
| PRECIPITATION                            | NORMAL (IN)                                       | 30   | 7.65  | 6.35  | 5.80  | 3.66  | 2.66  | 1.53  | 0.64  | 0.99  | 1.54  | 3.35  | 8.44  | 8.29     | 50.90    |
|  | MAXIMUM MONTHLY (IN)                              | 66   | 15.36 | 16.89 | 12.46 | 7.85  | 6.92  | 4.76  | 3.00  | 5.79  | 4.65  | 12.66 | 20.48 | 20.99    | 20.99    |
|  | YEAR OF OCCURRENCE                                |      | 1995  | 1996  | 1974  | 1993  | 1993  | 1952  | 1987  | 1968  | 1986  | 1950  | 1973  | 1964     | DEC 1964 |
|  | MINIMUM MONTHLY (IN)                              | 66   | 0.31  | 0.86  | 0.79  | 0.49  | 0.14  | T     | 0.00  | 0.00  | 0.00  | 0.11  | 1.20  | 1.24     | 0.00     |
|  | YEAR OF OCCURRENCE                                |      | 1985  | 1964  | 1965  | 1985  | 1992  | 1951  | 1967  | 1967  | 1999  | 1988  | 1956  | 1976     | SEP 1999 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 66   | 4.88  | 4.81  | 2.44  | 2.38  | 2.37  | 2.36  | 2.44  | 1.92  | 1.68  | 3.85  | 5.07  | 5.15     | 5.15     |
|  | YEAR OF OCCURRENCE                                |      | 1974  | 1984  | 1963  | 1992  | 1972  | 1952  | 1987  | 1983  | 1981  | 1955  | 1996  | 1981     | DEC 1981 |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30   | 17.1  | 15.8  | 17.3  | 14.2  | 10.8  | 7.4   | 3.2   | 4.1   | 5.9   | 10.9  | 17.7  | 17.3     | 141.7    |
| PRECIPITATION >= 1.00                    | 30  | 2.1  | 1.4   | 1.2   | 0.6   | 0.3   | 0.2   | *     | 0.2   | 0.2   | 0.6   | 2.5   | 2.3   | 11.6     |          |
| SNOWFALL                                 | NORMAL (IN)                                       | 30   | 3.1   | 0.9   | 0.2   | T     | T     | 0.0   | 0.0   | 0.0   | 0.0   | T     | 0.2   | 1.7      | 6.1      |
|  | MAXIMUM MONTHLY (IN)                              | 53   | 47.1  | 8.8   | 10.8  | T     | T     | T     | 0.0   | 0.0   | 0.0   | T     | 6.0   | 10.2     | 47.1     |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1990  | 1951  | 1995  | 1986  | 1995  |       |       | 1986  | 1984  | 1955  | 1964     | JAN 1969 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 53   | 22.9  | 5.7   | 4.9   | T     | T     | T     | 0.0   | 0.0   | T     | T     | 5.0   | 6.3      | 22.9     |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1993  | 1951  | 1995  | 1986  | 1995  |       |       | 1986  | 1984  | 1955  | 1972     | JAN 1969 |
|  | MAXIMUM SNOW DEPTH (IN)                           | 48   | 34    | 16    | 4     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 5     | 7        | 34       |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1969  | 1960  |       |       |       |       |       |       |       | 1955  | 1972     | JAN 1969 |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 0.4  | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.6   | 1.5      |          |

**PRECIPITATION (inches) 2008 EUGENE (KEUG)**

| YEAR           | JAN   | FEB   | MAR   | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV   | DEC   | ANNUAL |
|----------------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|--------|
| 1979           | 2.98  | 9.52  | 3.12  | 4.71 | 2.61 | 0.56 | 0.41 | 3.46 | 2.32 | 8.12 | 6.09  | 7.38  | 51.28  |
| 1980           | 7.45  | 4.68  | 5.11  | 4.20 | 1.39 | 2.06 | 0.39 | 0.02 | 0.75 | 1.90 | 8.66  | 14.73 | 51.34  |
| 1981           | 2.13  | 4.35  | 4.16  | 2.69 | 3.27 | 3.51 | 0.08 | T    | 3.15 | 5.42 | 9.51  | 17.63 | 55.90  |
| 1982           | 9.31  | 8.14  | 4.88  | 6.89 | 0.26 | 1.92 | 0.54 | 0.72 | 2.81 | 3.95 | 7.07  | 13.53 | 60.02  |
| 1983           | 6.75  | 12.28 | 10.58 | 3.35 | 1.81 | 1.78 | 1.77 | 3.19 | 0.54 | 1.36 | 13.13 | 7.47  | 64.01  |
| 1984           | 2.11  | 9.58  | 6.36  | 5.41 | 3.91 | 3.88 | 0.27 | 0.03 | 0.94 | 6.05 | 18.67 | 4.56  | 61.77  |
| 1985           | 0.31  | 5.15  | 5.65  | 0.49 | 1.53 | 2.51 | 1.37 | 0.04 | 2.13 | 4.83 | 6.31  | 3.51  | 33.83  |
| 1986           | 6.97  | 14.22 | 4.41  | 1.85 | 3.21 | 0.33 | 0.42 | 0.04 | 4.65 | 2.46 | 11.04 | 3.30  | 52.90  |
| 1987           | 9.66  | 4.47  | 2.81  | 2.04 | 2.00 | 0.07 | 3.00 | 0.26 | 0.20 | 0.24 | 4.65  | 15.40 | 44.80  |
| 1988           | 8.72  | 1.59  | 4.78  | 5.65 | 3.71 | 2.37 | 0.11 | 0.04 | 1.22 | 0.11 | 14.27 | 5.18  | 47.75  |
| 1989           | 6.68  | 3.45  | 10.93 | 1.73 | 3.85 | 1.03 | 0.49 | 1.21 | 0.64 | 2.95 | 5.00  | 2.70  | 40.66  |
| 1990           | 15.09 | 6.32  | 3.43  | 2.44 | 2.99 | 2.01 | 0.88 | 2.38 | 0.28 | 7.59 | 7.59  | 4.47  | 55.47  |
| 1991           | 3.73  | 3.58  | 9.79  | 5.22 | 6.03 | 0.99 | 0.64 | 0.68 | 0.10 | 1.93 | 10.47 | 5.28  | 48.44  |
| 1992           | 4.57  | 5.15  | 2.10  | 7.82 | 0.14 | 1.68 | 1.32 | 0.10 | 0.99 | 4.60 | 6.54  | 12.59 | 47.60  |
| 1993           | 6.85  | 2.64  | 8.58  | 7.85 | 6.92 | 3.70 | 1.14 | 1.80 | T    | 1.45 | 1.98  | 10.82 | 53.73  |
| 1994           | 5.50  | 5.58  | 5.58  | 2.02 | 1.58 | 1.14 | 0.02 | T    | 2.04 | 7.49 | 9.58  | 6.10  | 46.63  |
| 1995           | 15.36 | 3.74  | 6.42  | 5.59 | 2.10 | 2.33 | 1.13 | 0.98 | 1.10 | 3.91 | 9.47  | 13.43 | 65.56  |
| 1996           | 14.74 | 16.89 | 2.45  | 3.91 | 3.50 | 0.39 | 0.54 | 0.09 | 2.50 | 4.50 | 12.06 | 14.95 | 76.52  |
| 1997           | 5.93  | 2.06  | 7.03  | 3.30 | 2.64 | 1.88 | 0.10 | 1.59 | 3.22 | 4.37 | 4.28  | 2.23  | 38.63  |
| 1998           | 8.08  | 6.21  | 5.13  | 2.61 | 4.98 | 0.79 | T    | T    | 0.35 | 2.34 | 11.35 | 8.53  | 50.37  |
| 1999           | 7.66  | 10.03 | 4.97  | 0.77 | 2.90 | 0.66 | 0.26 | 0.92 | 0.00 | 2.60 | 8.02  | 3.65  | 42.44  |
| 2000           | 9.57  | 6.00  | 2.37  | 2.09 | 3.10 | 0.70 | 0.42 | T    | 0.99 | 3.06 | 1.61  | 4.10  | 34.01  |
| 2001           | 1.50  | 1.69  | 2.48  | 2.05 | 1.11 | 1.39 | 0.42 | 0.44 | 0.63 | 2.69 | 6.88  | 6.42  | 27.70  |
| 2002           | 7.84  | 2.41  | 4.28  | 1.92 | 2.14 | 0.42 | 0.01 | 0.12 | 0.85 | 0.40 | 4.72  | 12.05 | 37.16  |
| 2003           | 6.76  | 2.79  | 5.68  | 5.63 | 1.06 | 0.19 | 0.00 | 0.08 | 0.80 | 1.95 | 5.73  | 10.61 | 41.28  |
| 2004           | 7.07  | 4.11  | 1.80  | 2.69 | 1.73 | 1.36 | 0.06 | 0.80 | 2.07 | 3.47 | 2.21  | 4.11  | 31.48  |
| 2005           | 1.66  | 1.27  | 3.57  | 2.55 | 3.85 | 1.37 | 0.22 | 0.37 | 1.04 | 2.95 | 5.19  | 10.70 | 34.74  |
| 2006           | 12.68 | 3.02  | 4.55  | 1.94 | 3.02 | 0.84 | 0.09 | 0.00 | 0.52 | 0.66 | 14.28 | 7.68  | 49.28  |
| 2007           | 4.04  | 5.22  | 1.96  | 2.22 | 1.34 | 0.38 | 0.46 | 0.61 | 1.85 | 4.62 | 4.46  | 7.08  | 34.24  |
| 2008           | 8.32  | 1.65  | 4.49  | 1.63 | 0.55 | 0.62 | 0.05 | 1.10 | 0.22 | 1.73 | 3.97  | 4.84  | 29.17  |
| POR=<br>69 YRS | 7.39  | 5.26  | 4.93  | 2.92 | 2.30 | 1.32 | 0.41 | 0.74 | 1.38 | 3.53 | 7.27  | 7.81  | 45.26  |

WBAN : 24221

**AVERAGE TEMPERATURE (°F) 2008 EUGENE (KEUG)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1979           | 31.5 | 42.9 | 48.8 | 50.4 | 55.5 | 60.0 | 67.3 | 65.5 | 63.6 | 56.5 | 42.4 | 43.0 | 52.3   |
| 1980           | 35.7 | 42.9 | 45.5 | 50.8 | 53.2 | 57.5 | 66.8 | 63.5 | 61.9 | 54.1 | 46.4 | 42.3 | 51.7   |
| 1981           | 40.4 | 43.4 | 45.9 | 49.9 | 54.4 | 59.5 | 64.8 | 68.2 | 62.0 | 50.2 | 45.4 | 41.8 | 52.2   |
| 1982           | 36.2 | 41.3 | 44.1 | 46.4 | 53.9 | 62.2 | 64.4 | 66.5 | 60.9 | 52.2 | 40.8 | 39.3 | 50.7   |
| 1983           | 41.7 | 45.1 | 48.3 | 49.1 | 56.1 | 58.6 | 63.0 | 66.1 | 59.1 | 52.1 | 46.6 | 36.3 | 51.8   |
| 1984           | 40.5 | 44.2 | 48.5 | 47.9 | 53.2 | 58.3 | 65.9 | 66.0 | 60.8 | 50.8 | 43.8 | 37.3 | 51.4   |
| 1985           | 34.2 | 40.6 | 42.8 | 52.0 | 54.9 | 61.4 | 69.9 | 65.8 | 58.3 | 51.8 | 37.6 | 33.0 | 50.2   |
| 1986           | 43.5 | 44.7 | 50.5 | 48.5 | 55.3 | 63.6 | 63.1 | 69.9 | 58.8 | 54.4 | 46.5 | 39.9 | 53.2   |
| 1987           | 39.6 | 43.7 | 47.3 | 52.4 | 57.9 | 63.3 | 64.4 | 67.6 | 62.7 | 56.5 | 46.8 | 39.8 | 53.5   |
| 1988           | 39.3 | 44.1 | 46.8 | 51.7 | 54.3 | 60.7 | 67.9 | 66.5 | 63.0 | 57.2 | 47.0 | 40.6 | 53.3   |
| 1989           | 42.1 | 35.8 | 47.2 | 55.6 | 56.5 | 63.1 | 65.3 | 66.7 | 64.6 | 53.9 | 47.4 | 41.1 | 53.3   |
| 1990           | 43.1 | 41.5 | 48.8 | 53.4 | 55.2 | 62.1 | 70.4 | 69.6 | 64.8 | 52.1 | 46.9 | 34.1 | 53.5   |
| 1991           | 38.9 | 48.7 | 44.4 | 48.8 | 52.7 | 57.5 | 67.5 | 67.7 | 65.1 | 54.3 | 47.6 | 41.3 | 52.9   |
| 1992           | 44.0 | 47.5 | 50.3 | 54.1 | 60.1 | 65.1 | 68.3 | 68.9 | 62.9 | 54.5 | 45.9 | 39.5 | 55.1   |
| 1993           | 35.3 | 38.5 | 49.6 | 51.2 | 58.6 | 60.5 | 62.5 | 66.8 | 62.7 | 56.1 | 38.5 | 39.3 | 51.6   |
| 1994           | 42.3 | 41.7 | 48.1 | 53.0 | 58.1 | 61.0 | 69.7 | 66.7 | 64.7 | 53.2 | 42.9 | 42.8 | 53.7   |
| 1995           | 44.7 | 47.8 | 47.9 | 50.4 | 57.6 | 61.1 | 68.8 | 65.5 | 64.7 | 51.6 | 50.3 | 42.6 | 54.4   |
| 1996           | 41.8 | 42.5 | 47.3 | 52.1 | 52.8 | 59.3 | 69.5 | 66.7 |      | 51.9 | 45.3 | 42.4 |        |
| 1997           | 40.9 | 42.3 | 46.8 | 50.0 | 59.0 | 59.0 | 66.2 | 69.0 | 62.8 | 50.8 | 47.3 | 38.9 | 52.8   |
| 1998           | 44.2 | 45.4 | 47.0 | 49.5 | 53.2 | 59.8 | 69.2 | 67.8 | 63.8 | 52.0 | 47.3 | 39.6 | 53.2   |
| 1999           | 42.1 | 43.3 | 44.3 | 49.4 | 52.2 | 57.8 | 64.5 | 66.9 | 61.6 | 52.5 | 49.2 | 40.4 | 52.0   |
| 2000           | 39.3 | 43.6 | 44.6 | 50.8 | 55.1 | 62.1 | 64.9 | 65.0 | 62.0 | 52.5 | 40.3 | 40.8 | 51.8   |
| 2001           | 40.1 | 41.0 | 46.5 | 47.6 | 55.5 | 56.9 | 64.8 | 66.9 | 63.6 | 52.1 | 47.6 | 41.7 | 52.0   |
| 2002           | 41.8 | 44.4 | 44.0 | 50.9 | 53.3 | 60.4 | 68.0 | 65.8 | 62.0 | 51.4 | 45.4 | 43.7 | 52.6   |
| 2003           | 45.2 | 42.5 | 49.2 | 49.4 | 54.8 | 62.3 | 68.9 | 67.5 | 64.0 | 56.2 | 43.0 | 42.4 | 53.8   |
| 2004           | 41.3 | 43.6 | 49.3 | 51.6 | 56.4 | 62.0 | 69.3 | 69.2 | 60.1 | 53.7 | 43.9 | 42.4 | 53.6   |
| 2005           | 41.5 | 41.6 | 49.2 | 50.1 | 57.3 | 59.3 | 68.2 | 68.2 | 60.5 | 54.3 | 42.1 | 39.2 | 52.6   |
| 2006           | 43.9 | 41.1 | 44.4 | 50.7 | 55.8 | 62.4 | 68.4 | 65.5 | 61.9 | 50.5 | 46.2 | 39.6 | 52.5   |
| 2007           | 37.6 | 43.3 | 49.1 | 49.1 | 53.8 | 59.1 | 68.4 | 65.8 | 60.1 | 51.2 | 42.5 | 39.9 | 51.7   |
| 2008           | 36.9 | 42.5 | 43.4 | 46.7 | 56.0 | 58.1 | 67.2 | 67.2 | 61.9 | 51.6 | 48.0 | 37.6 | 51.4   |
| POR=<br>69 YRS | 39.9 | 42.8 | 46.4 | 49.9 | 55.5 | 60.7 | 66.9 | 66.6 | 61.8 | 53.1 | 45.1 | 40.8 | 52.4   |

**HEATING DEGREE DAYS (base 65°F) 2008 EUGENE (KEUG)**

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1979-80 | 33  | 19  | 50  | 257 | 673 | 671 | 901 | 634 | 599 | 421 | 361 | 219 | 4838  |
| 1980-81 | 29  | 65  | 101 | 344 | 551 | 697 | 752 | 599 | 585 | 446 | 321 | 164 | 4654  |
| 1981-82 | 64  | 33  | 121 | 450 | 580 | 710 | 887 | 657 | 642 | 551 | 335 | 124 | 5154  |
| 1982-83 | 67  | 20  | 137 | 392 | 719 | 791 | 716 | 553 | 511 | 470 | 287 | 189 | 4852  |
| 1983-84 | 78  | 15  | 171 | 393 | 544 | 879 | 753 | 596 | 502 | 504 | 359 | 207 | 5001  |
| 1984-85 | 33  | 19  | 145 | 440 | 628 | 851 | 948 | 674 | 678 | 383 | 311 | 128 | 5238  |
| 1985-86 | 5   | 43  | 197 | 405 | 817 | 983 | 662 | 562 | 444 | 489 | 321 | 93  | 5021  |
| 1986-87 | 74  | 3   | 213 | 319 | 548 | 773 | 784 | 589 | 539 | 370 | 245 | 105 | 4562  |
| 1987-88 | 60  | 17  | 94  | 262 | 537 | 774 | 790 | 600 | 561 | 395 | 327 | 136 | 4553  |
| 1988-89 | 29  | 31  | 108 | 244 | 533 | 749 | 705 | 811 | 544 | 278 | 271 | 87  | 4390  |
| 1989-90 | 31  | 21  | 65  | 336 | 522 | 733 | 674 | 654 | 498 | 340 | 296 | 106 | 4276  |
| 1990-91 | 16  | 10  | 39  | 394 | 532 | 952 | 803 | 449 | 632 | 479 | 376 | 220 | 4902  |
| 1991-92 | 17  | 25  | 59  | 325 | 515 | 729 | 643 | 502 | 448 | 326 | 165 | 66  | 3820  |
| 1992-93 | 7   | 14  | 91  | 319 | 566 | 782 | 912 | 732 | 472 | 406 | 191 | 143 | 4635  |
| 1993-94 | 76  | 36  | 108 | 274 | 787 | 792 | 695 | 648 | 516 | 353 | 208 | 124 | 4617  |
| 1994-95 | 14  | 6   | 56  | 360 | 657 | 683 | 620 | 475 | 523 | 433 | 232 | 151 | 4210  |
| 1995-96 | 9   | 39  | 49  | 411 | 437 | 686 | 711 | 644 | 540 | 378 | 371 | 168 | 4443  |
| 1996-97 | 31  | 39  | 402 | 583 | 693 | 739 | 630 | 557 | 445 | 191 | 177 |     |       |
| 1997-98 | 23  | 1   | 84  | 434 | 525 | 801 | 639 | 544 | 550 | 456 | 358 | 150 | 4565  |
| 1998-99 | 7   | 22  | 79  | 394 | 523 | 782 | 706 | 602 | 637 | 462 | 391 | 211 | 4816  |
| 1999-00 | 66  | 30  | 120 | 383 | 468 | 754 | 790 | 611 | 628 | 417 | 301 | 112 | 4680  |
| 2000-01 | 43  | 64  | 113 | 378 | 732 | 743 | 766 | 668 | 565 | 514 | 297 | 241 | 5124  |
| 2001-02 | 44  | 19  | 80  | 393 | 513 | 716 | 712 | 569 | 643 | 418 | 355 | 148 | 4610  |
| 2002-03 | 19  | 57  | 104 | 416 | 581 | 655 | 606 | 621 | 484 | 460 | 306 | 119 | 4428  |
| 2003-04 | 12  | 3   | 78  | 274 | 654 | 694 | 728 | 613 | 478 | 394 | 257 | 112 | 4297  |
| 2004-05 | 12  | 8   | 143 | 345 | 627 | 692 | 719 | 652 | 480 | 441 | 242 | 170 | 4531  |
| 2005-06 | 7   | 13  | 139 | 324 | 681 | 795 | 647 | 663 | 633 | 420 | 283 | 107 | 4712  |
| 2006-07 | 30  | 48  | 107 | 443 | 559 | 783 | 845 | 600 | 485 | 470 | 338 | 175 | 4883  |
| 2007-08 | 3   | 28  | 163 | 421 | 667 | 770 | 864 | 646 | 663 | 540 | 296 | 232 | 5293  |
| 2008-   | 20  | 38  | 116 | 410 | 502 | 842 |     |     |     |     |     |     |       |

WBAN : 24221

**COOLING DEGREE DAYS (base 65°F) 2008 EUGENE (KEUG)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1979 | 0   | 0   | 0   | 0   | 0   | 16  | 111 | 40  | 15  | 0   | 0   | 0   | 182   |
| 1980 | 0   | 0   | 0   | 0   | 0   | 0   | 91  | 23  | 16  | 12  | 0   | 0   | 142   |
| 1981 | 0   | 0   | 0   | 1   | 0   | 4   | 63  | 138 | 38  | 0   | 0   | 0   | 244   |
| 1982 | 0   | 0   | 0   | 0   | 0   | 51  | 59  | 73  | 20  | 0   | 0   | 0   | 203   |
| 1983 | 0   | 0   | 0   | 0   | 17  | 3   | 23  | 56  | 0   | 0   | 0   | 0   | 99    |
| 1984 | 0   | 0   | 0   | 0   | 2   | 14  | 69  | 55  | 23  | 5   | 0   | 0   | 168   |
| 1985 | 0   | 0   | 0   | 0   | 4   | 28  | 166 | 73  | 2   | 0   | 0   | 0   | 273   |
| 1986 | 0   | 0   | 0   | 0   | 26  | 55  | 20  | 165 | 34  | 0   | 0   | 0   | 300   |
| 1987 | 0   | 0   | 0   | 0   | 32  | 59  | 48  | 104 | 30  | 4   | 0   | 0   | 277   |
| 1988 | 0   | 0   | 0   | 0   | 2   | 15  | 127 | 85  | 53  | 8   | 0   | 0   | 290   |
| 1989 | 0   | 0   | 0   | 1   | 14  | 38  | 47  | 81  | 60  | 0   | 0   | 0   | 241   |
| 1990 | 0   | 0   | 0   | 0   | 0   | 26  | 192 | 157 | 42  | 0   | 0   | 0   | 417   |
| 1991 | 0   | 0   | 0   | 0   | 0   | 2   | 101 | 117 | 71  | 1   | 0   | 0   | 292   |
| 1992 | 0   | 0   | 0   | 2   | 21  | 75  | 115 | 144 | 34  | 0   | 0   | 0   | 391   |
| 1993 | 0   | 0   | 0   | 0   | 0   | 12  | 9   | 95  | 46  | 5   | 0   | 0   | 167   |
| 1994 | 0   | 0   | 0   | 0   | 1   | 12  | 166 | 64  | 59  | 0   | 0   | 0   | 302   |
| 1995 | 0   | 0   | 0   | 0   | 7   | 41  | 135 | 61  | 47  | 0   | 0   | 0   | 291   |
| 1996 | 0   | 0   | 0   | 0   | 0   | 3   | 176 | 99  |     | 2   | 0   | 0   |       |
| 1997 | 0   | 0   | 0   | 0   | 13  | 3   | 69  | 131 | 24  | 0   | 0   | 0   | 240   |
| 1998 | 0   | 0   | 0   | 0   | 1   | 0   | 142 | 117 | 50  | 0   | 0   | 0   | 310   |
| 1999 | 0   | 0   | 0   | 0   | 0   | 5   | 56  | 97  | 26  | 0   | 0   | 0   | 184   |
| 2000 | 0   | 0   | 0   | 0   | 0   | 34  | 46  | 70  | 32  | 0   | 0   | 0   | 182   |
| 2001 | 0   | 0   | 0   | 0   | 10  | 3   | 46  | 85  | 43  | 1   | 0   | 0   | 188   |
| 2002 | 0   | 0   | 0   | 0   | 0   | 19  | 119 | 89  | 20  | 0   | 0   | 0   | 247   |
| 2003 | 0   | 0   | 0   | 0   | 0   | 44  | 136 | 90  | 55  | 8   | 0   | 0   | 333   |
| 2004 | 0   | 0   | 0   | 0   | 0   | 29  | 152 | 147 | 1   | 1   | 0   | 0   | 330   |
| 2005 | 0   | 0   | 0   | 0   | 9   | 6   | 112 | 120 | 10  | 0   | 0   | 0   | 257   |
| 2006 | 0   | 0   | 0   | 0   | 4   | 37  | 141 | 70  | 23  | 0   | 1   | 0   | 276   |
| 2007 | 0   | 0   | 0   | 0   | 0   | 4   | 115 | 62  | 24  | 0   | 0   | 0   | 205   |
| 2008 | 0   | 0   | 0   | 0   | 23  | 31  | 95  | 115 | 29  | 2   | 0   | 0   | 295   |

**SNOWFALL (inches) 2008 EUGENE (KEUG)**

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1979-80        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1980-81        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T   | T   | T   | T   | T     |
| 1981-82        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 5.0 | 2.1 | T   | T   | 0.0 | 0.0 | 7.1   |
| 1982-83        | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 1983-84        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 3.7 | T   | T   | T   | T   | T   | 0.0 | 3.7   |
| 1984-85        | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | T   | 0.2 | T   | T   | 0.0 | 0.0 | 0.2   |
| 1985-86        | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 4.7 | 0.0 | 2.8 | 0.0 | T   | T   | 0.0 | 9.8   |
| 1986-87        | 0.0 | 0.0 | T   | 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 | 6.0 | 0.7 | 1.0 | 0.0 | T   | 0.0 | 0.0 | 7.7   |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | T   | 5.6 | T   | 0.0 | 0.0 | 0.0 | 5.9   |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8   |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | T   | 0.0 | T   | T   | 0.0 | 0.0 | 3.6   |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 6.7 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 18.2  |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T   | 0.3 | 0.0 | 0.0 | 0.0 | 0.3   |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 3.0 | T   | T   | 0.0 | T   | 3.0   |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     | T   | 6.0 |     |     |     |     |       |
| 1996-97        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1997-98        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1998-99        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1999-00        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2000-01        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2001-02        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2002-03        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2003-04        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2004-05        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2005-06        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2006-07        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2007-08        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2008-          |     |     |     |     |     |     |     |     |     |     |     |     |       |
| POR=<br>56 YRS | 0.0 | 0.0 | T   | T   | 0.2 | 1.2 | 3.2 | 0.9 | 0.5 | T   | T   | T   | 6.0   |

WBAN : 24221

**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.</p> | <p>GENERAL CONTINUED:<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.<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.</p> <p>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.</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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# 2008 EUGENE OREGON (KEUG)

Eugene is located at the upper or southern end of the fertile Willamette Valley. Mahlon Sweet Field, location of the National Weather Service Office, is 9 miles northwest of the city center. The Cascade Mountains to the east and the Coast Range to the west bound the valley, and low hills to the south nearly close it, but northward the level valley floor broadens rapidly. Hills of the rolling, wooded Coast Range begin about 5 miles west of the airport and rise to elevations of 1,500 to 2,500 feet midway between Eugene and the Pacific Ocean lying 50 miles to the west. About 10 miles east, the Coburg Hills, rising to an elevation of 2,500 feet, obscure the snow-covered peaks of the Cascade Range, which reach elevations of 10,000 feet about 75 miles away. Abundant moisture and moderate temperatures result in rapid growth of evergreen timber and lumbering is a major industry.

The Willamette River passes about 5 miles east of the airport. The Fern Ridge flood control reservoir, with a normal area of 9,360 acres, begins about 2 miles southwest. These two water areas are the main sources of local fog, but numerous small creeks and low places, which fill with water in the wet season, also produce considerable fog. The Coast Range acts as a barrier to coastal fog, but active storms cross these ridges with little hindrance. The Cascade Range blocks westward passage of all but the strongest continental air masses, but when air does flow into the valley from the east, dry, hot weather develops in summer causing an extreme fire hazard. In winter this situation causes clear, sunny days and cool, frosty nights.

The centers of low barometric pressure, with which rain is associated, generally pass inland north of Eugene and as a result southwest winds with speeds of 10 to 20 mph usually accompany rainfall. Heavier storms bring winds of 30 to 40 mph and occasional southwest winds exceeding 50 mph are experienced. Fair weather in both summer and winter is most often accompanied by calm nights and daytime northerly winds increasing to speeds of 5 to 15 mph in the afternoon.

The first fall rains usually arrive during the second or third week of September, after which rain gradually increases until about the first of January and then slowly decreases to the latter part of June. July and August are normally very dry, occasionally passing without rainfall. When snow occurs, it frequently melts on contact with the ground or within a few hours, but occasionally an accumulation of a few inches will persist as a ground covering for several days. Snowfall for a winter season exceeds 5 inches in about one-third of the years.

Temperatures are so largely controlled by maritime air from the Pacific that long periods of extremely hot or severely cold weather never occur. Temperatures of 95 degrees or higher have occurred only in the months of June, July, August, and September, and average three days a year.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 25 and the average last occurrence in the spring is April 24.

# Station Location

EUGENE

| LOCATION                                      | Occupied From | Occupied To | Airline Distances and Directions from previous Location | Latitude<br>NORTH WEST |          | Longitude<br>WEST |                  | ELEVATION ABOVE         |                 |                      |              |                      |                           |                     | AUTOMATIC OBSERVING EQUIPMENT *   | REMARKS |
|---|---------------|-------------|---|------------------------|----------|-------------------|------------------|-------------------------|-----------------|----------------------|--------------|----------------------|---------------------------|---------------------|---|---------|
|   |               |             |   |                        |          |                   |                  | SEA LEVEL               | GROUND          |                      |              |                      |                           |                     |   |         |
|   |               |             |   |                        |          |                   |                  | GROUND TEMPERATURE SITE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH      | TIPPING BUCKET RAIN GAUGE | WEIGHING RAIN GAUGE |   |         |
| *NOTE:  |               |             |   |                        |          |                   |                  |                         |                 |                      |              |                      |                           |                     |   |         |
| AIRPORT                                       |               |             |   |                        |          |                   |                  |                         |                 |                      |              |                      |                           |                     |   |         |
| Administration Building<br>Mahlon Sweet Field | 7/15/53       | 09/01/95    | 0.5 mi.<br>NNE  | 44° 07'                | 123° 13' | 361<br>d359       | 53<br>a20<br>f31 | 4<br>b4                 | 4<br>b4         |                      | h14          | 3<br>b3<br>e5<br>i16 | 3<br>b3<br>j14            | c4<br>g5            | a. Moved to field 6/20/62.<br>b. Minor move 12/6/62.<br>c. Commissioned 2000' NW of thermometer site 7/31/63.<br>d. Effective 7/31/63.<br>e. Minor move 12/10/68.<br>f. Raised 4/22/85.<br>g. Minor adjustment and type change 8/28/85.<br>h. Installed on roof 02/18/88.<br>i. Moved to roof 02/18/88.<br>j. Moved to roof 08/15/88. |         |
| Mahlon Sweet Field                            | 09/01/95      | Present     | NA  | 44° 08'                | 123° 13' | k360              |                  |                         |                 |                      |              |                      |                           | S                   | ASOS Commissioned 09/01/95<br>k. Ground Elevation   |         |

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\* NOTES: For earlier station history see previous editions.