

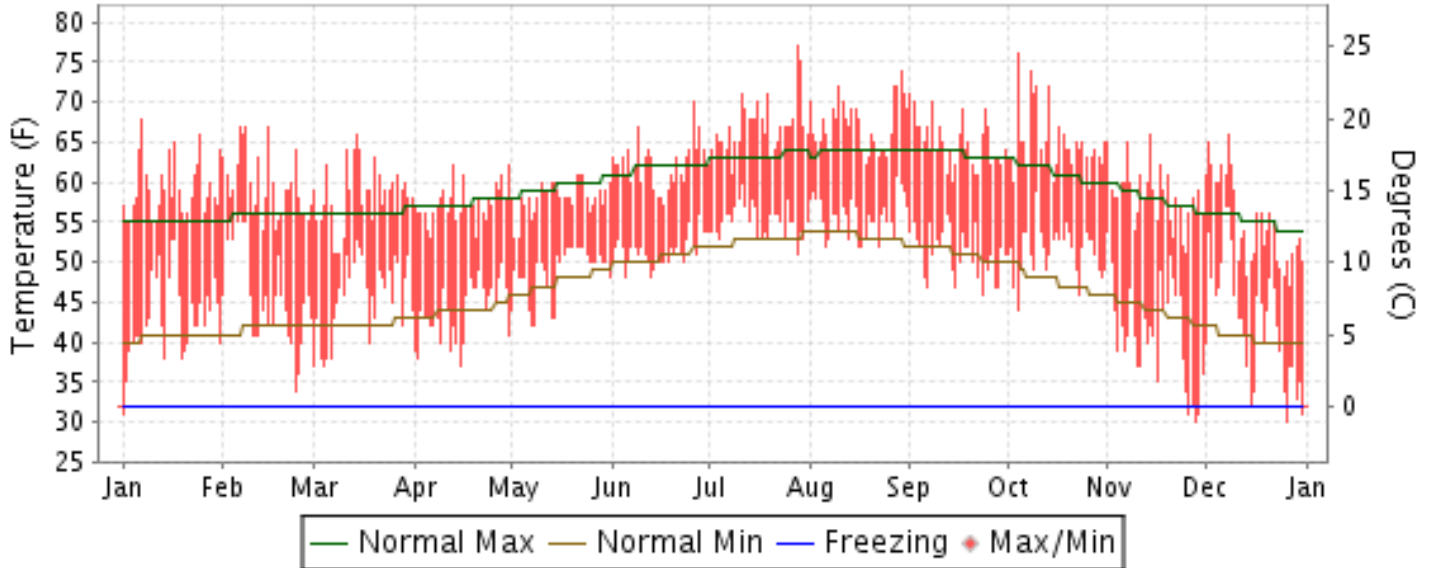


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

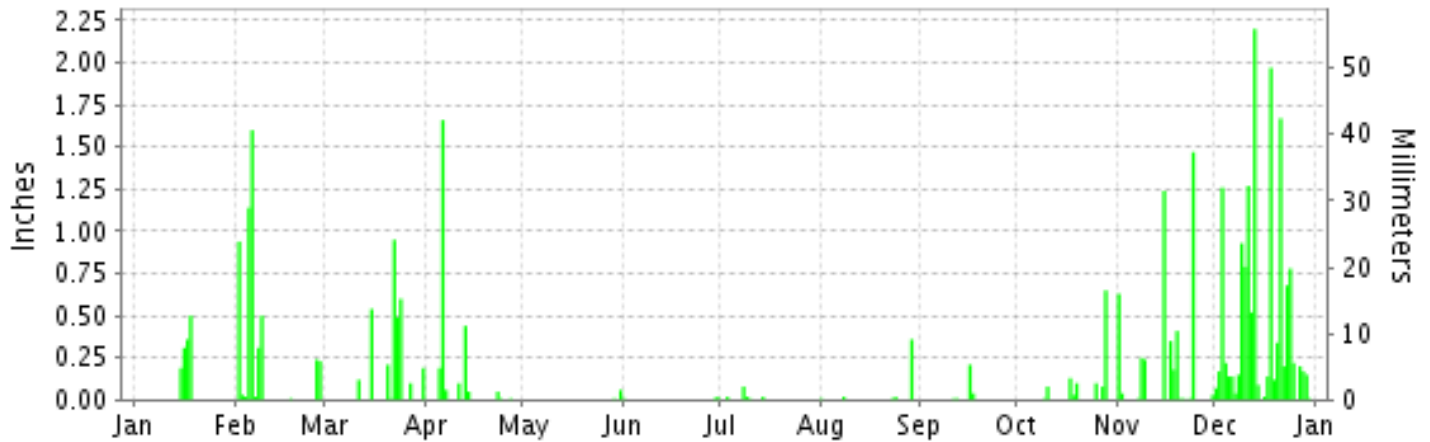
ISSN 0198-0882

## EUREKA, CALIFORNIA (KEKA)

### Daily Max/Min Temperature



### Daily Precipitation



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NATIONAL  
OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL  
ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL CENTERS for  
ENVIRONMENTAL INFORMATION (NCEI)  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NCEI

# METEOROLOGICAL DATA FOR 2015

## EUREKA (KEKA)

LATITUDE:  
40° 48'N

LONGITUDE:  
124° 9'W

ELEVATION (FT):  
GRND: 20 BARO: 20

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 24213

| ELEMENT                |                             | JAN   | FEB   | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT   | NOV  | DEC    | YEAR      |   |
|------------------------|-----------------------------|-------|-------|-------|-------|------|------|------|------|------|-------|------|--------|-----------|---|
| TEMPERATURE °F         | MEAN DAILY MAXIMUM          | 59.2  | 59.2  | 58.4  | 57.3  | 58.0 | 62.1 | 67.0 | 67.2 | 64.9 | 64.9  | 58.2 | 54.9   | 60.9      |   |
|                        | HIGHEST DAILY MAXIMUM       | 68    | 68    | 66    | 62    | 61   | 70   | 77   | 74   | 71   | 76    | 66   | 66     | 77        |   |
|                        | DATE OF OCCURRENCE          | 07    | 07    | 14    | 30+   | 23+  | 26   | 28   | 29   | 01   | 04    | 14   | 08     | JUL 28    |   |
|                        | MEAN DAILY MINIMUM          | 43.1  | 43.1  | 45.7  | 43.8  | 48.7 | 51.4 | 55.1 | 55.7 | 51.2 | 51.4  | 41.1 | 42.5   | 47.7      |   |
|                        | LOWEST DAILY MINIMUM        | 31    | 31    | 37    | 37    | 42   | 48   | 51   | 52   | 46   | 44    | 30   | 30     | 30        |   |
|                        | DATE OF OCCURRENCE          | 01    | 01    | 04+   | 15    | 08+  | 13+  | 28   | 22+  | 23   | 04    | 28   | 26     | DEC 26    |   |
|                        | AVERAGE DRY BULB            | 51.1  | 2.8   | 52.0  | 50.6  | 53.4 | 56.8 | 61.0 | 61.5 | 58.1 | 58.2  | 49.7 | 48.7   | 50.3      |   |
|                        | MEAN WET BULB               |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | MEAN DEW POINT              |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | NUMBER OF DAYS WITH:        |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0      | 0         | 0 |
|                        | MAXIMUM <= 32°              | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0      | 0         | 0 |
| MINIMUM <= 32°         | 1                           | 1     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 4     | 3    | 9      |           |   |
| MINIMUM <= 0°          | 0                           | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0      |           |   |
| H/C                    | HEATING DEGREE DAYS         | 424   | 424   | 395   | 425   | 353  | 241  | 117  | 106  | 199  | 207   | 453  | 499    | 3843      |   |
|                        | COOLING DEGREE DAYS         | 0     | 0     | 0     | 0     | 0    | 0    | 1    | 4    | 0    | 1     | 0    | 0      | 6         |   |
| RH                     | MEAN (PERCENT)              |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | HOUR 04 LST                 |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | HOUR 10 LST                 |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | HOUR 16 LST                 |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | HOUR 22 LST                 |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| W/O                    | NUMBER OF DAYS WITH:        |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | HEAVY FOG(VISBY <= 1/4 MI)  | 3     | 3     | 3     | 1     | 1    | 3    | 6    | 2    | 4    | 6     | 7    | 0      | 39        |   |
|                        | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 1    | 0    | 0     | 0    | 2      | 3         |   |
| PR                     | MEAN STATION PRESS. (IN.)   |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | MEAN SEA-LEVEL PRESS. (IN.) |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| WINDS                  | RESULTANT SPEED (MPH)       |       | 18    |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | RES. DIR. (TENS OF DEGS.)   |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | MEAN SPEED (MPH)            | 2.6   | 2.6   | 3.9   | 5.4   | 5.0  | 4.8  | 3.9  | 2.8  | 3.3  | 2.3   | 3.3  | 5.6    | 3.8       |   |
|                        | PREVAIL.DIR.(TENS OF DEGS.) |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | MAXIMUM 2-MINUTE WIND       |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | SPEED (MPH)                 | 18    |       | 16    | 23    | 21   | 16   | 22   | 20   | 17   | 14    | 20   | 25     |           |   |
|                        | DIR. (TENS OF DEGS.)        | 17    | 17    | 18    | 36    | 36   | 33   | 33   | 28   | 01   | 28    | 01   | 24     |           |   |
|                        | DATE OF OCCURRENCE          | 15    | 15    | 15    | 01    | 07   | 04   | 16   | 29   | 05   | 18    | 24   | 10     |           |   |
| MAXIMUM 3-SECOND WIND: |                             |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| SPEED (MPH)            | 36                          | 36    | 31    | 35    | 36    | 13   | 29   | 24   | 28   | 25   | 37    | 44   | 44     |           |   |
| DIR. (TENS OF DEGS.)   | 18                          | 18    | 33    | 18    | 02    | 26   | 33   | 27   | 36   | 03   | 18    | 32   | 32     |           |   |
| DATE OF OCCURRENCE     | 15                          | 15    | 02    | 06    | 07    | 26   | 16   | 29   | 05   | 03   | 15    | 09   | DEC 09 |           |   |
| PRECIPITATION          | WATER EQUIVALENT:           |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
|                        | TOTAL (IN.)                 | 1.36  | 1.36  | 3.21  | 2.57  | 0.07 | 0.04 | 0.15 | 0.42 | 0.27 | 1.18  | 4.88 | 14.66  | 30.17     |   |
|                        | GREATEST 24-HOUR (IN.)      | 0.86  | 0.86  | 1.09  | 1.71  | 0.06 | 0.02 | 0.08 | 0.36 | 0.21 | 0.73  | 1.47 | 2.34   | 2.34      |   |
|                        | DATE OF OCCURRENCE          | 17-18 | 17-18 | 23-24 | 06-07 | 31   | 30   | 08   | 29   | 16   | 27-28 | 24   | 12-13  | DEC 12-13 |   |
|                        | NUMBER OF DAYS WITH:        |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| PRECIPITATION 0.01     | 4                           | 4     | 9     | 9     | 2     | 3    | 5    | 5    | 4    | 8    | 14    | 28   | 95     |           |   |
| PRECIPITATION 0.10     | 4                           | 4     | 8     | 4     | 0     | 0    | 0    | 1    | 1    | 4    | 8     | 23   | 57     |           |   |
| PRECIPITATION 1.00     | 0                           | 0     | 0     | 1     | 0     | 0    | 0    | 0    | 0    | 0    | 2     | 5    | 8      |           |   |
| SNOWFALL               | SNOW,ICE PELLETS,HAIL       | 0.0   | 0.0   | 0.0   | T     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | T    | T      | T         |   |
|                        | TOTAL (IN.)                 | 0.0   | 0.0   | 0.0   | T     | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0   | T    | T      | T         |   |
|                        | GREATEST 24-HOUR (IN.)      |       |       |       | 05    |      |      |      |      |      |       | 24+  | 24+    | DEC 24+   |   |
|                        | DATE OF OCCURRENCE          | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0      | 0         |   |
|                        | MAXIMUM SNOW DEPTH (IN.)    |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| DATE OF OCCURRENCE     |                             |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| NUMBER OF DAYS WITH:   |                             |       |       |       |       |      |      |      |      |      |       |      |        |           |   |
| SNOWFALL >= 1.0        | 0                           | 0     | 0     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0      |           |   |

# NORMALS, MEANS, AND EXTREMES EUREKA (KEKA)

LATITUDE:  
40° 48'N

LONGITUDE:  
124° 9'W

ELEVATION (FT):  
GRND: 20 BARO: 20

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 24213

|                       | ELEMENT                                     | POR      | JAN        | FEB        | MAR        | APR        | MAY        | JUN        | JUL        | AUG        | SEP        | OCT        | NOV        | DEC        | YEAR        |
|-----------------------|---|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| TEMPERATURE °F        | NORMAL DAILY MAXIMUM                        | 30       | 55.6       | 56.1       | 56.7       | 57.7       | 60.1       | 62.2       | 63.4       | 64.3       | 63.7       | 61.7       | 58.0       | 55.0       | 59.5        |
|                       | MEAN DAILY MAXIMUM                          | 74       | 54.5       | 55.3       | 55.4       | 56.3       | 58.6       | 60.8       | 62.0       | 62.9       | 63.0       | 61.1       | 58.0       | 54.9       | 58.6        |
|                       | HIGHEST DAILY MAXIMUM                       | 105      | 78         | 85         | 78         | 80         | 84         | 85         | 77         | 82         | 86         | 87         | 78         | 77         | 87          |
|                       | YEAR OF OCCURRENCE                          |          | 1986       | 1930       | 1914       | 2014       | 1939       | 1945       | 2015       | 1991       | 1983       | 1993       | 1987       | 1963       | OCT 1993    |
|                       | MEAN OF EXTREME MAXS.                       | 74       | 65.4       | 66.2       | 65.6       | 66.4       | 68.7       | 68.5       | 68.2       | 70.0       | 73.4       | 73.8       | 68.1       | 65.0       | 68.3        |
|                       | NORMAL DAILY MINIMUM                        | 30       | 41.1       | 41.7       | 42.6       | 44.1       | 47.5       | 50.1       | 52.0       | 52.8       | 50.4       | 47.1       | 43.5       | 40.6       | 46.1        |
|                       | MEAN DAILY MINIMUM                          | 74       | 41.2       | 42.3       | 42.9       | 44.4       | 47.8       | 50.6       | 52.4       | 53.1       | 51.2       | 48.2       | 44.7       | 41.8       | 46.7        |
|                       | LOWEST DAILY MINIMUM                        | 105      | 25         | 27         | 29         | 29         | 35         | 40         | 45         | 44         | 41         | 32         | 29         | 21         | 21          |
|                       | YEAR OF OCCURRENCE                          |          | 2007       | 1990       | 1917       | 2009       | 2010       | 2003       | 1924       | 1935       | 2007       | 1971       | 2013       | 1972       | DEC 1972    |
|                       | MEAN OF EXTREME MINS.                       | 74       | 31.5       | 33.2       | 34.5       | 36.9       | 40.7       | 45.2       | 48.3       | 48.9       | 45.2       | 40.2       | 35.0       | 31.8       | 39.3        |
|                       | NORMAL DRY BULB                             | 30       | 48.3       | 48.9       | 49.7       | 50.9       | 53.8       | 56.1       | 57.7       | 58.5       | 57.0       | 54.4       | 50.8       | 47.8       | 52.8        |
|                       | MEAN DRY BULB                               | 74       | 47.9       | 48.2       | 49.2       | 50.4       | 53.2       | 55.7       | 57.3       | 58.0       | 57.1       | 54.7       | 51.3       | 47.7       | 52.6        |
|                       | MEAN WET BULB                               |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | MEAN DEW POINT                              |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | NORMAL NO. DAYS WITH:                       |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| MAXIMUM >= 90         | 30  | 0.0      | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |             |
| MAXIMUM <= 32         | 30  | 0.0      | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |             |
| MINIMUM <= 32         | 30  | 1.6      | 1.1        | 0.6        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.7        | 2.1        |             |
| MINIMUM <= 0          | 30  | 0.0      | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        |             |
| H/C                   | NORMAL HEATING DEG. DAYS                    | 30       | 516        | 451        | 476        | 423        | 347        | 266        | 226        | 200        | 239        | 329        | 428        | 533        | 4434        |
|                       | NORMAL COOLING DEG. DAYS                    | 30       | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0           |
| RH                    | NORMAL (PERCENT)                            | 30       |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | HOUR 04 LST                                 | 30       |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | HOUR 10 LST                                 | 30       |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | HOUR 16 LST                                 | 30       |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | HOUR 22 LST                                 | 30       |            |            |            |            |            |            |            |            |            |            |            |            |             |
| S                     | PERCENT POSSIBLE SUNSHINE                   | 84       | 43         | 46         | 52         | 57         | 58         | 59         | 55         | 51         | 55         | 50         | 44         | 41         | 51          |
| W/O                   | MEAN NO. DAYS WITH:                         |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | HEAVY FOG(VISBY <= 1/4 MI)<br>THUNDERSTORMS | 37<br>53 | 4.1<br>0.5 | 2.0<br>0.5 | 1.7<br>0.3 | 1.3<br>0.1 | 1.4<br>0.1 | 1.7<br>0.2 | 3.4<br>0.1 | 5.1<br>0.1 | 6.5<br>0.2 | 8.3<br>0.3 | 3.7<br>0.4 | 3.5<br>0.5 | 42.7<br>3.3 |
| CLOUDINESS            | MEAN:                                       |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | SUNRISE-SUNSET (OKTAS)                      | 63       | 5.8        | 5.9        | 5.8        | 5.6        | 5.4        | 5.2        | 5.1        | 5.3        | 4.8        | 5.1        | 5.7        | 5.6        | 5.4         |
|                       | MIDNIGHT-MIDNIGHT (OKTAS)                   | 2        | 2.6        | 3.2        | 0.0        | 0.0        | 2.6        | 0.0        | 2.5        | 0.0        | 2.8        | 2.4        | 0.0        | 2.4        | 1.5         |
|                       | MEAN NO. DAYS WITH:                         |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | CLEAR                                       | 94       | 5.8        | 5.1        | 5.6        | 6.0        | 6.5        | 7.2        | 6.4        | 5.4        | 8.7        | 8.1        | 6.1        | 6.3        | 77.2        |
| PARTLY CLOUDY         | 95  | 6.4      | 5.8        | 8.1        | 8.4        | 10.1       | 9.7        | 11.1       | 10.8       | 8.6        | 8.4        | 6.6        | 6.5        | 100.5      |             |
| CLOUDY                | 95  | 18.8     | 17.3       | 17.5       | 15.5       | 14.5       | 13.1       | 13.4       | 14.2       | 12.3       | 14.0       | 16.9       | 17.9       | 185.4      |             |
| PR                    | MEAN STATION PRESSURE(IN)                   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | MEAN SEA-LEVEL PRES. (IN)                   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| WINDS                 | MEAN SPEED (MPH)                            | 3        | 2.8        | 4.4        | 5.8        | 5.6        | 5.6        | 5.3        | 5.1        | 4.0        | 3.9        | 3.5        | 3.8        | 5.1        | 4.6         |
|                       | PREVAIL.DIR.(TENS OF DEGS)                  |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | MAXIMUM 2-MINUTE:                           |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
|                       | SPEED (MPH)                                 | 87       | 54         | 48         | 48         | 49         | 40         | 39         | 35         | 34         | 44         | 56         | 55         | 56         | 56          |
|                       | DIR. (TENS OF DEGS)                         |          | 18         | 22         | 22         | 36         | 32         | 32         | 36         | 36         | 36         | 22         | 18         | 18         | 22          |
|                       | YEAR OF OCCURRENCE                          |          | 1955       | 1960       | 1953       | 1915       | 1955       | 1949       | 1986       | 1920       | 1941       | 1962       | 1981       | 1931       | OCT 1962    |
| MAXIMUM 3-SECOND      |   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| SPEED (MPH)           |   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| DIR. (TENS OF DEGS)   |   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| YEAR OF OCCURRENCE    |   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| PRECIPITATION         | NORMAL (IN)                                 | 30       | 6.50       | 5.63       | 5.30       | 3.32       | 1.78       | 0.75       | 0.18       | 0.31       | 0.59       | 2.24       | 5.61       | 8.12       | 40.33       |
|                       | MAXIMUM MONTHLY (IN)                        | 105      | 13.92      | 13.95      | 13.97      | 11.25      | 6.05       | 3.08       | 1.34       | 3.42       | 3.56       | 13.04      | 16.58      | 23.31      | 23.31       |
|                       | YEAR OF OCCURRENCE                          |          | 1969       | 1998       | 1938       | 2003       | 1960       | 2005       | 1916       | 1983       | 1925       | 1950       | 1973       | 2002       | DEC 2002    |
|                       | MINIMUM MONTHLY (IN)                        | 105      | 0.66       | 0.50       | 0.07       | 0.31       | 0.03       | 0.00       | 0.00       | 0.00       | 0.00       | 0.00       | T          | 0.52       | 0.00        |
|                       | YEAR OF OCCURRENCE                          |          | 1985       | 1923       | 1926       | 1956       | 1955       | 1917       | 1967       | 1940       | 1929       | 1917       | 1967       | 1976       | JUL 1967    |
|                       | MAXIMUM IN 24 HOURS (IN)                    | 105      | 4.42       | 4.88       | 4.02       | 2.56       | 2.23       | 1.73       | 1.18       | 2.21       | 2.59       | 5.83       | 5.21       | 6.85       | 6.85        |
|                       | YEAR OF OCCURRENCE                          |          | 1912       | 1959       | 1975       | 1983       | 1943       | 1943       | 1916       | 1983       | 2014       | 1950       | 1998       | 2002       | DEC 2002    |
|                       | NORMAL NO. DAYS WITH:                       |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| PRECIPITATION >= 0.01 | 30  | 16.6     | 14.9       | 16.2       | 13.4       | 9.1        | 5.8        | 2.7        | 3.2        | 4.4        | 8.5        | 15.2       | 17.5       | 127.5      |             |
| PRECIPITATION >= 1.00 | 30  | 1.7      | 1.1        | 0.9        | 0.5        | 0.1        | 0.1        | 0.0        | 0.1        | 0.0        | 0.4        | 1.5        | 2.4        | 8.8        |             |
| SNOWFALL              | NORMAL (IN)                                 | 30       | 0.0        | 0.2        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.2         |
|                       | MAXIMUM MONTHLY (IN)                        | 105      | 3.0        | 3.5        | 1.0        | 0.1        | T          | T          | T          | T          | T          | 0.0        | 0.0        | 0.1        | 1.9         |
|                       | YEAR OF OCCURRENCE                          |          | 1935       | 1989       | 1966       | 2003       | 2011       | 2008       | 2013       | 2006       |            |            | 1977       | 1972       | FEB 1989    |
|                       | MAXIMUM IN 24 HOURS (IN)                    | 105      | 3.0        | 2.0        | 1.0        | 0.1        | T          | T          | 0.0        | 0.0        | 0.0        | 0.0        | 0.1        | 1.9        | 3.0         |
|                       | YEAR OF OCCURRENCE                          |          | 1935       | 1989       | 1966       | 2003       | 2011       | 2008       |            |            |            |            | 1977       | 1972       | JAN 1935    |
|                       | MAXIMUM SNOW DEPTH (IN)                     | 73       | 0          | 1          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 3          | 3           |
|                       | YEAR OF OCCURRENCE                          |          |            | 1989       | 1999       |            |            |            |            |            |            |            |            | 2007       | DEC 2007    |
| NORMAL NO. DAYS WITH: |   |          |            |            |            |            |            |            |            |            |            |            |            |            |             |
| SNOWFALL >= 1.0       | 30  | 0.0      | 0.1        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.0        | 0.1        |             |

**PRECIPITATION (inches) 2015 EUREKA (KEKA)**

| YEAR           | JAN   | FEB   | MAR   | APR   | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV   | DEC   | ANNUAL |
|----------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|--------|
| 1986           | 7.19  | 10.08 | 6.12  | 1.46  | 2.34 | 0.21 | 0.02 | T    | 2.70 | 1.75 | 1.85  | 3.83  | 37.55  |
| 1987           | 6.48  | 3.38  | 6.10  | 1.15  | 0.41 | 0.26 | 0.20 | 0.06 | 0.02 | 1.05 | 4.23  | 10.92 | 34.26  |
| 1988           | 7.13  | 0.54  | 1.18  | 2.06  | 2.70 | 2.22 | 0.05 | T    | 0.12 | 0.41 | 8.93  | 6.26  | 31.60  |
| 1989           | 4.71  | 2.88  | 7.63  | 2.01  | 1.67 | 0.21 | 0.08 | 0.13 | 0.85 | 2.90 | 1.60  | 0.80  | 25.47  |
| 1990           | 7.20  | 4.50  | 3.30  | 1.41  | 3.74 | 0.32 | 0.22 | 0.71 | 0.19 | 1.73 | 3.07  | 2.95  | 29.34  |
| 1991           | 1.65  | 2.75  | 6.94  | 2.52  | 2.16 | 0.26 | 1.13 | 0.37 | T    | 1.06 | 1.95  | 2.36  | 23.15  |
| 1992           | 3.99  | 3.80  | 3.51  | 2.42  | 0.06 | 1.27 | 0.25 | 0.01 | 0.33 | 2.08 | 2.21  | 9.33  | 29.26  |
| 1993           | 7.15  | 5.93  | 4.72  | 5.94  | 4.44 | 1.23 | 0.37 | 0.54 | 0.03 | 0.56 | 1.35  | 7.12  | 39.38  |
| 1994           | 5.09  | 7.12  | 2.06  | 3.30  | 1.10 | 0.71 | 0.08 | T    | 0.06 | 0.54 | 8.21  | 7.00  | 35.27  |
| 1995           | 12.74 | 1.40  | 11.18 | 7.47  | 1.21 | 1.85 | 0.08 | 0.22 | 0.69 | 0.53 | 2.26  | 11.56 | 51.19  |
| 1996           | 10.74 | 8.11  | 3.51  | 4.64  | 2.40 | 0.05 | .03  | T    | 1.21 | 3.50 | 5.16  | 21.26 | 60.61  |
| 1997           | 8.81  | 2.55  | 2.73  | 3.06  | 0.90 | 1.25 | T    | 0.84 | 2.05 | 2.73 | 7.39  | 4.73  | 37.04  |
| 1998           | 13.42 | 13.95 | 7.83  | 2.23  | 3.12 | 0.33 | 0.16 | 0.01 | 0.08 | 3.06 | 14.09 | 5.40  | 63.68  |
| 1999           | 4.37  | 10.32 | 8.94  | 1.79  | 1.62 | 0.15 | 0.04 | 0.30 | 0.05 | 1.60 | 7.36  | 3.02  | 39.56  |
| 2000           | 9.71  | 7.00  | 2.81  | 2.15  | 1.86 | 0.54 | 0.04 | T    | 0.55 | 2.99 | 3.51  | 1.97  | 33.13  |
| 2001           | 3.79  | 3.60  | 2.45  | 2.54  | 0.71 | 0.69 | 0.20 | 0.21 | 0.28 | 1.00 | 7.71  | 11.56 | 34.74  |
| 2002           | 6.37  | 5.76  | 4.32  | 2.42  | 0.55 | 0.28 | 0.03 | 0.01 | 0.06 | 0.06 | 2.66  | 23.31 | 45.83  |
| 2003           | 5.51  | 3.84  | 4.91  | 11.25 | 1.74 | 0.04 | 0.02 | 0.49 | 0.35 | 0.55 | 5.78  | 11.35 | 45.83  |
| 2004           | 6.29  | 8.12  | 2.38  | 1.68  | 1.37 | 0.06 | 0.06 | 0.43 | 0.68 | 5.71 | 1.87  | 9.43  | 38.08  |
| 2005           | 5.91  | 2.41  | 6.24  | 4.70  | 3.90 | 3.08 | 0.05 | 0.07 | 0.08 | 2.40 | 8.52  | 12.72 | 50.08  |
| 2006           | 12.09 | 6.34  | 11.11 | 4.08  | 1.03 | 0.35 | 0.04 | T    | 0.09 | 0.58 | 7.41  | 7.09  | 50.21  |
| 2007           | 1.86  | 11.86 | 2.51  | 2.72  | 0.86 | 0.46 | 0.97 | 0.08 | 0.60 | 4.92 | 2.33  | 7.30  | 36.47  |
| 2008           | 9.70  | 2.73  | 3.16  | 2.12  | 0.04 | 0.24 | 0.02 | 0.47 | 0.05 | 0.93 | 4.05  | 6.66  | 30.17  |
| 2009           | 1.58  | 6.20  | 5.45  | 1.23  | 2.93 | 0.18 | 0.06 | 0.02 | 1.03 | 1.95 | 4.15  | 4.17  | 28.95  |
| 2010           | 9.29  | 4.20  | 6.06  | 7.76  | 3.51 | 2.31 | 0.04 | 0.15 | 1.39 | 4.26 | 4.69  | 10.08 | 53.74  |
| 2011           | 2.23  | 3.62  | 11.88 | 4.07  | 1.43 | 1.29 | 0.17 | 0.04 | 0.37 | 4.21 | 3.86  | 2.22  | 35.39  |
| 2012           | 7.76  | 2.63  | 12.02 | 4.76  | 0.77 | 2.00 | 0.67 | 0.07 | 0.04 | 2.72 | 6.36  | 10.97 | 50.77  |
| 2013           | 2.57  | 1.78  | 3.09  | 2.44  | 1.17 | 0.43 | T    | 0.08 | 3.14 | 0.05 | 1.29  | 0.56  | 16.60  |
| 2014           | 1.35  | 6.09  | 6.25  | 1.37  | 0.58 | 0.35 | 0.02 | 0.02 | 3.09 | 4.74 | 3.89  | 9.75  | 37.50  |
| 2015           | 1.36  | 1.36  | 3.21  | 2.57  | 0.07 | 0.04 | 0.15 | 0.42 | 0.27 | 1.18 | 4.88  | 14.66 | 30.17  |
| POR=<br>74 YRS | 6.32  | 5.18  | 5.30  | 3.07  | 1.75 | 0.67 | 0.15 | 0.30 | 0.76 | 2.71 | 5.57  | 7.06  | 38.84  |

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**AVERAGE TEMPERATURE (°F) 2015 EUREKA (KEKA)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 54.3 | 52.7 | 53.1 | 50.7 | 53.9 | 59.0 | 57.4 | 57.2 | 57.2 | 55.6 | 53.5 | 51.3 | 54.7   |
| 1987           | 49.1 | 51.4 | 52.7 | 54.2 | 56.6 | 57.7 | 59.5 | 58.5 | 57.3 | 57.8 | 54.8 | 49.7 | 54.9   |
| 1988           | 50.4 | 50.2 | 50.3 | 52.8 | 56.3 | 57.7 | 58.8 | 57.7 | 55.8 | 55.2 | 53.3 | 47.7 | 53.9   |
| 1989           | 46.0 | 45.6 | 51.8 | 54.6 | 55.9 | 57.6 | 59.4 | 59.3 | 56.6 | 54.9 | 52.6 | 49.2 | 53.6   |
| 1990           | 48.3 | 45.5 | 50.2 | 52.8 | 54.0 | 58.2 | 59.8 | 60.4 | 61.6 | 54.3 | 49.7 | 42.8 | 53.1   |
| 1991           | 47.8 | 52.8 | 48.1 | 50.9 | 52.2 | 53.8 | 57.3 | 59.9 | 57.2 | 56.1 | 51.4 | 48.3 | 53.0   |
| 1992           | 50.3 | 53.9 | 54.1 | 56.4 | 56.7 | 58.3 | 60.6 | 59.1 | 57.5 | 58.0 | 51.7 | 46.9 | 55.3   |
| 1993           | 46.4 | 49.4 | 53.4 | 53.6 | 57.9 | 57.9 | 57.4 | 59.8 | 55.8 | 56.9 | 49.9 | 49.5 | 54.0   |
| 1994           | 50.5 | 48.5 | 51.1 | 52.8 | 55.5 | 57.0 | 57.1 | 61.4 | 59.6 | 54.4 | 45.6 | 46.7 | 53.4   |
| 1995           | 52.4 | 51.7 | 50.4 | 51.1 | 53.7 | 56.0 | 60.2 | 58.4 | 60.3 | 54.9 | 53.9 | 52.0 | 54.6   |
| 1996           | 49.5 | 52.3 | 50.7 | 52.9 | 53.7 | 55.5 | 57.4 | 58.1 | 55.8 | 54.5 | 51.3 | 50.9 | 53.6   |
| 1997           | 48.5 | 47.9 | 49.5 | 51.4 | 57.8 | 57.8 | 59.5 | 61.4 | 62.2 | 55.1 | 53.4 | 47.7 | 54.4   |
| 1998           | 52.0 | 50.1 | 50.2 | 50.4 | 53.9 | 56.7 | 58.5 | 58.8 | 57.4 | 55.0 | 51.7 | 44.6 | 53.3   |
| 1999           | 47.4 | 47.3 | 46.8 | 48.6 | 51.3 | 55.0 | 56.5 | 60.1 | 54.9 | 52.5 | 54.7 | 46.0 | 51.8   |
| 2000           | 48.3 | 51.6 | 48.4 | 52.3 | 55.3 | 56.7 | 58.7 | 59.0 | 58.7 | 54.3 | 48.6 | 48.4 | 53.4   |
| 2001           | 46.9 | 47.0 | 50.2 | 49.2 | 54.0 | 56.0 | 57.4 | 59.5 | 56.2 | 54.4 | 51.8 | 49.2 | 52.7   |
| 2002           | 46.6 | 49.0 | 47.0 | 51.4 | 52.3 | 56.3 | 58.6 | 57.0 | 57.3 | 51.9 | 52.3 | 50.6 | 52.5   |
| 2003           | 54.0 | 47.9 | 52.2 | 50.6 | 54.1 | 57.2 | 58.8 | 61.2 | 58.0 | 56.5 | 49.8 | 49.1 | 54.1   |
| 2004           | 49.6 | 49.2 | 51.5 | 52.6 | 56.7 | 58.1 | 60.3 | 61.1 | 58.1 | 54.9 | 48.9 | 48.4 | 54.1   |
| 2005           | 47.6 | 50.2 | 52.0 | 51.7 | 57.2 | 57.4 | 58.7 | 57.0 | 55.1 | 53.8 | 49.6 | 50.4 | 53.4   |
| 2006           | 49.2 | 47.6 | 47.3 | 50.9 | 54.2 | 58.0 | 58.4 | 56.8 | 55.3 | 52.4 | 51.9 | 48.0 | 52.5   |
| 2007           | 42.9 | 48.3 | 50.4 | 50.7 | 52.7 | 56.2 | 61.3 | 59.6 | 57.0 | 53.8 | 50.3 | 44.8 | 52.3   |
| 2008           | 44.9 | 45.9 | 47.3 | 48.1 | 53.6 | 53.7 | 56.9 | 58.7 | 55.2 | 54.1 | 53.0 | 45.2 | 51.4   |
| 2009           | 46.8 | 48.3 | 47.9 | 49.7 | 53.5 | 57.3 | 56.7 | 59.0 | 59.5 | 54.6 | 50.1 | 46.5 | 52.5   |
| 2010           | 51.6 | 50.8 | 48.9 | 49.5 | 51.9 | 56.1 | 55.3 | 56.7 | 57.3 | 55.3 | 48.8 | 49.6 | 52.7   |
| 2011           | 48.5 | 45.1 | 49.5 | 48.5 | 51.4 | 55.7 | 57.5 | 58.0 | 56.9 | 55.4 | 48.8 | 44.5 | 51.7   |
| 2012           | 46.6 | 47.6 | 47.0 | 50.3 | 51.8 | 54.7 | 57.2 | 56.7 | 53.6 | 55.1 | 53.4 | 46.0 | 51.7   |
| 2013           | 44.0 | 45.0 | 47.6 | 50.4 | 54.2 | 57.4 | 56.4 | 59.7 | 60.2 | 50.8 | 49.5 | 42.4 | 51.5   |
| 2014           | 47.6 | 49.8 | 51.5 | 52.2 | 56.6 | 56.3 | 58.7 | 59.1 | 59.5 | 59.0 | 54.2 | 52.8 | 54.8   |
| 2015           | 51.1 | 2.8  | 52.0 | 50.6 | 53.4 | 56.8 | 61.0 | 61.5 | 58.1 | 58.2 | 49.7 | 48.7 | 50.3   |
| POR=<br>74 YRS | 47.9 | 48.2 | 49.2 | 50.4 | 53.2 | 55.7 | 57.3 | 58.0 | 57.1 | 54.7 | 51.3 | 47.7 | 52.6   |

**HEATING DEGREE DAYS (base 65°F) 2015 EUREKA (KEKA)**

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1987-88 | 163 | 196 | 226 | 221 | 302 | 470 | 446 | 423 | 453 | 358 | 265 | 215 | 3738  |
| 1988-89 | 187 | 218 | 274 | 297 | 345 | 529 | 582 | 535 | 403 | 309 | 278 | 214 | 4171  |
| 1989-90 | 164 | 171 | 243 | 306 | 365 | 482 | 513 | 541 | 453 | 356 | 332 | 198 | 4124  |
| 1990-91 | 154 | 141 | 95  | 325 | 451 | 680 | 528 | 336 | 516 | 418 | 387 | 330 | 4361  |
| 1991-92 | 229 | 164 | 225 | 274 | 401 | 511 | 450 | 316 | 329 | 250 | 248 | 193 | 3590  |
| 1992-93 | 135 | 176 | 220 | 211 | 393 | 556 | 570 | 433 | 354 | 337 | 214 | 203 | 3802  |
| 1993-94 | 229 | 152 | 268 | 253 | 446 | 472 | 442 | 455 | 426 | 357 | 286 | 233 | 4019  |
| 1994-95 | 241 | 102 | 155 | 321 | 576 | 559 | 383 | 368 | 445 | 412 | 341 | 263 | 4166  |
| 1995-96 | 142 | 196 | 133 | 308 | 325 | 394 | 472 | 360 | 435 | 352 | 344 | 278 | 3739  |
| 1996-97 | 231 | 205 | 268 | 323 | 407 | 431 | 501 | 476 | 475 | 401 | 212 | 209 | 4139  |
| 1997-98 | 163 | 106 | 82  | 300 | 341 | 529 | 397 | 409 | 450 | 432 | 337 | 242 | 3788  |
| 1998-99 | 192 | 186 | 223 | 305 | 393 | 624 | 541 | 490 | 556 | 485 | 417 | 296 | 4708  |
| 1999-00 | 254 | 146 | 295 | 382 | 303 | 580 | 511 | 382 | 506 | 378 | 298 | 242 | 4277  |
| 2000-01 | 191 | 179 | 181 | 326 | 484 | 506 | 555 | 500 | 453 | 467 | 337 | 264 | 4443  |
| 2001-02 | 228 | 168 | 257 | 322 | 389 | 481 | 566 | 442 | 554 | 400 | 387 | 253 | 4447  |
| 2002-03 | 190 | 237 | 225 | 402 | 373 | 438 | 333 | 476 | 389 | 427 | 329 | 229 | 4048  |
| 2003-04 | 184 | 113 | 205 | 257 | 449 | 487 | 471 | 449 | 411 | 369 | 251 | 201 | 3847  |
| 2004-05 | 140 | 114 | 200 | 306 | 476 | 506 | 531 | 408 | 392 | 392 | 233 | 218 | 3916  |
| 2005-06 | 191 | 241 | 293 | 341 | 455 | 445 | 486 | 479 | 542 | 418 | 327 | 201 | 4419  |
| 2006-07 | 199 | 244 | 284 | 383 | 386 | 520 | 677 | 461 | 446 | 423 | 375 | 258 | 4656  |
| 2007-08 | 113 | 162 | 234 | 336 | 436 | 620 | 616 | 550 | 541 | 501 | 354 | 330 | 4793  |
| 2008-09 | 246 | 186 | 289 | 330 | 354 | 608 | 559 | 462 | 523 | 559 | 350 | 227 | 4693  |
| 2009-10 | 252 | 180 | 158 | 316 | 440 | 559 | 410 | 389 | 494 | 459 | 397 | 262 | 4316  |
| 2010-11 | 296 | 253 | 225 | 291 | 479 | 469 | 506 | 553 | 473 | 489 | 415 | 272 | 4721  |
| 2011-12 | 226 | 208 | 237 | 294 | 481 | 506 | 565 | 497 | 552 | 436 | 401 | 301 | 4704  |
| 2012-13 | 236 | 251 | 334 | 299 | 343 | 581 | 644 | 550 | 530 | 429 | 327 | 223 | 4747  |
| 2013-   | 260 | 159 | 138 | 434 | 460 | 692 |     |     |     |     |     |     |       |
| 2013-14 | 260 | 159 | 138 | 434 | 460 | 692 | 531 | 417 | 410 | 379 | 256 | 252 | 4388  |
| 2014-15 | 188 | 175 | 160 | 179 | 318 | 371 | 424 | 424 | 395 | 425 | 353 | 241 | 3653  |
| 2015-   | 117 | 106 | 199 | 207 | 453 | 499 |     |     |     |     |     |     |       |

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**COOLING DEGREE DAYS (base 65°F) 2015 EUREKA (KEKA)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1986 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 5     |
| 1987 | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 8     |
| 1988 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 0   | 4     |
| 1989 | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| 1990 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 0   | 0   | 4     |
| 1991 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 10  | 0   | 4   | 0   | 0   | 14    |
| 1992 | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 3   | 2   | 0   | 0   | 7     |
| 1993 | 0   | 3   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 8   | 0   | 0   | 14    |
| 1994 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1995 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1996 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 1     |
| 1997 | 0   | 0   | 1   | 0   | 4   | 0   | 0   | 3   | 5   | 0   | 0   | 0   | 13    |
| 1998 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1999 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 1     |
| 2000 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2001 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 3     |
| 2002 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2003 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 2     |
| 2004 | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 2     |
| 2005 | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| 2006 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2007 | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 3   | 0   | 0   | 0   | 0   | 9     |
| 2008 | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 3     |
| 2009 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2010 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1     |
| 2011 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2012 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2013 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 1   | 0   | 0   | 0   | 6     |
| 2014 | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 4     |
| 2015 | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 4   | 0   | 1   | 0   | 0   | 6     |

**SNOWFALL (inches) 2015 EUREKA (KEKA)**

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5   |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0   |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 0.0 | T   | 0.0 | 0.0 | T     |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | T     |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | T     |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | 0.0 | 0.0 | T     |
| 1996-97        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1997-98        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1998-99        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.6 | T   | 0.0 | 0.0 | 0.6   |
| 1999-00        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 2000-01        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 2001-02        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.5 | 0.0 | T   | T   | 0.0 | 0.0 | 0.5   |
| 2002-03        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1   |
| 2003-04        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 2004-05        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 2005-06        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   |
| 2006-07        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | 0.0 | 0.0 | T     |
| 2007-08        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | T   | 0.0 | T   | T     |
| 2008-09        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 2009-10        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | T     |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T   | T   | T   | T   | 0.0 | T     |
| 2011-12        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 2012-13        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 2013-          | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   |     |     |     |     |     |     |       |
| 2013-14        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 2014-15        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 2015-          | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   |     |     |     |     |     |     |       |
| POR=<br>74 YRS | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.1 | 0.1 | T   | T   | T   | T   | 0.2   |

WBAN : 24213

**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> |
|---|---|

# 2015 EUREKA CALIFORNIA (KEKA)

Humboldt Bay is one-quarter mile north and one mile west of the station. There are no hills in Eureka of any consequence. The land slopes upward gently from the Bay toward the Coast Range, which begins about 3 miles east of the station and reaches the top of its first ridge approximately 10 miles to the east. The elevation of the ridge is 2,000 feet and extends in a semicircle from a point 20 miles north of Eureka to a point 25 miles south.

The climate of Eureka is completely maritime with high humidity prevailing the entire year. There are definite rainy and dry seasons. The rainy season begins in October and continues through April, accounting for about 90 percent of the annual precipitation. The dry season from May through September is marked by considerable fog or low cloudiness that usually clears in the late morning and sunny weather is generally the case during the early afternoon hours.

Temperatures are moderate the entire year. Although record highs have reached the mid 80s and record lows near 20 degrees, the usual yearly range is from lows in the mid 30s to highs in the mid 70s.

The principal industries are lumbering, fishing, tourism, and dairy farming. There is very little truck farming due to the low temperatures and lack of sunshine, however, the climate is nearly ideal for berries and flowers.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is December 10 and the average last occurrence in the spring is February 6.

# Station History

EUREKA, CA

| NAME                      | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform           |
|---------------------------|------------|------------|----------|-----------|----------------|------------|--------------------|
| EUREKA WSO CITY           | 1939-06-30 | 1940-01-01 | 40° 48'  | -124° 10' | 43             |            | COOP, USHCN        |
| EUREKA WSO CITY           | 1940-01-01 | 1944-12-31 | 40° 48'  | -124° 10' | 43             |            | COOP, USHCN, WXSVC |
| EUREKA WFO WOODLEY ISLAND | 1995-07-01 | 1998-07-01 | 40° 49'  | -124° 10' | 20             |            | COOP, USHCN, WXSVC |
| EUREKA WSO CITY           | 1893-01-01 | 1911-01-01 | 40° 48'  | -124° 10' |                |            | COOP, USHCN, WXSVC |
| EUREKA WSO CITY           | 1930-07-01 | 1939-06-30 | 40° 48'  | -124° 10' | 43             |            | COOP, USHCN, WXSVC |
| EUREKA WSO CITY           | 1911-01-01 | 1929-12-31 | 40° 48'  | -124° 10' | 43             | .2 MI SSE  | COOP, USHCN, WXSVC |
| EUREKA WFO WOODLEY ISLAND | 1994-10-18 | 1995-07-01 | 40° 49'  | -124° 10' | 20             | .8 MI NE   | COOP, USHCN, WXSVC |
| EUREKA WSO CITY           | 1945-07-01 | 1994-10-18 | 40° 48'  | -124° 10' | 43             |            | COOP, USHCN, WXSVC |
| EUREKA WFO WOODLEY ISLAND | 1998-07-01 | 2007-10-04 | 40° 48'  | -124° 9'  | 20             |            | COOP, USHCN, WXSVC |
| EUREKA WFO WOODLEY ISLAND | 2007-10-04 | 2008-04-26 | 40° 48'  | -124° 9'  | 20             |            | COOP, USHCN, WXSVC |
| EUREKA WSO CITY           | 1929-12-31 | 1930-07-01 | 40° 48'  | -124° 10' | 43             |            | COOP, USHCN        |
| EUREKA WSO CITY           | 1944-12-31 | 1945-07-01 | 40° 48'  | -124° 10' | 43             |            | COOP, USHCN        |
| EUREKA WFO WOODLEY ISLAND | 2008-04-26 | Present    | 40° 48'  | -124° 9'  | 20             |            | COOP, USHCN, WXSVC |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP  | 1987-03-18 | 1988-09-30 | HOURLY    | 2400                | TB          | RCRD                      | ROOF               |
| PRECIP  | 1994-10-18 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1995-07-01 | 2007-10-04 | HOURLY    | 2400                |             |                           |                    |
| TEMP    | 2007-10-04 | 2009-08-12 | DAILY     | 2400                | MMTS        |                           |                    |
| PRECIP  | 1988-09-30 | 1993-08-05 | HOURLY    | 2400                | TB          | RCRD                      | ROOF               |
| PRECIP  | 1993-08-05 | 1994-10-18 | DAILY     | 2400                | SRG         |                           | ROOF               |
| PRECIP  | 1982-01-01 | 1987-03-18 | HOURLY    | 2400                | TB          | RCRD                      | ROOF               |
| TEMP    | 1987-03-18 | 1988-09-30 | DAILY     | 2400                | HYGR        |                           | ROOF               |
| TEMP    | 1993-08-05 | 1994-10-18 | DAILY     | 2400                | HYGR        |                           | ROOF               |
| TEMP    | 1995-07-01 | 2007-10-04 | DAILY     | 2400                | MMTS        |                           |                    |
| PRECIP  | 1988-09-30 | 1993-08-05 | DAILY     | 2400                | TB          | RCRD                      | ROOF               |
| PRECIP  | 1994-10-18 | 1995-07-01 | DAILY     |                     | SRG         |                           |                    |
| TEMP    | 1994-10-18 | 1995-07-01 | DAILY     |                     | MMTS        |                           |                    |
| PRECIP  | 2007-10-04 | 2009-08-12 | DAILY     | 2400                | SRG         |                           |                    |
| PRECIP  | 2009-08-12 | Present    | DAILY     | 2400                | SRG         |                           |                    |
| PRECIP  | 2009-08-12 | Present    | HOURLY    | VAR                 | TB          | RCRD                      |                    |
| TEMP    | 1893-01-01 | 1982-01-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1987-03-18 | 1988-09-30 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1982-01-01 | 1987-03-18 | DAILY     | 2400                |             |                           |                    |
| TEMP    | 1988-09-30 | 1993-08-05 | DAILY     | 2400                | HYGR        |                           | ROOF               |
| PRECIP  | 1893-01-01 | 1982-01-01 | DAILY     | 2400                |             |                           |                    |
| TEMP    | 1982-01-01 | 1987-03-18 | DAILY     | 2400                |             |                           |                    |
| TEMP    | 2009-08-12 | Present    | DAILY     | 2400                | MMTS        |                           |                    |
| PRECIP  | 1993-08-05 | 1994-10-18 | HOURLY    | 2400                | TB          | RCRD                      | ROOF               |
| PRECIP  | 1995-07-01 | 2007-10-04 | DAILY     | 2400                | SRG         |                           |                    |
| PRECIP  | 2007-10-04 | 2009-08-12 | HOURLY    |                     |             |                           |                    |

\* 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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