

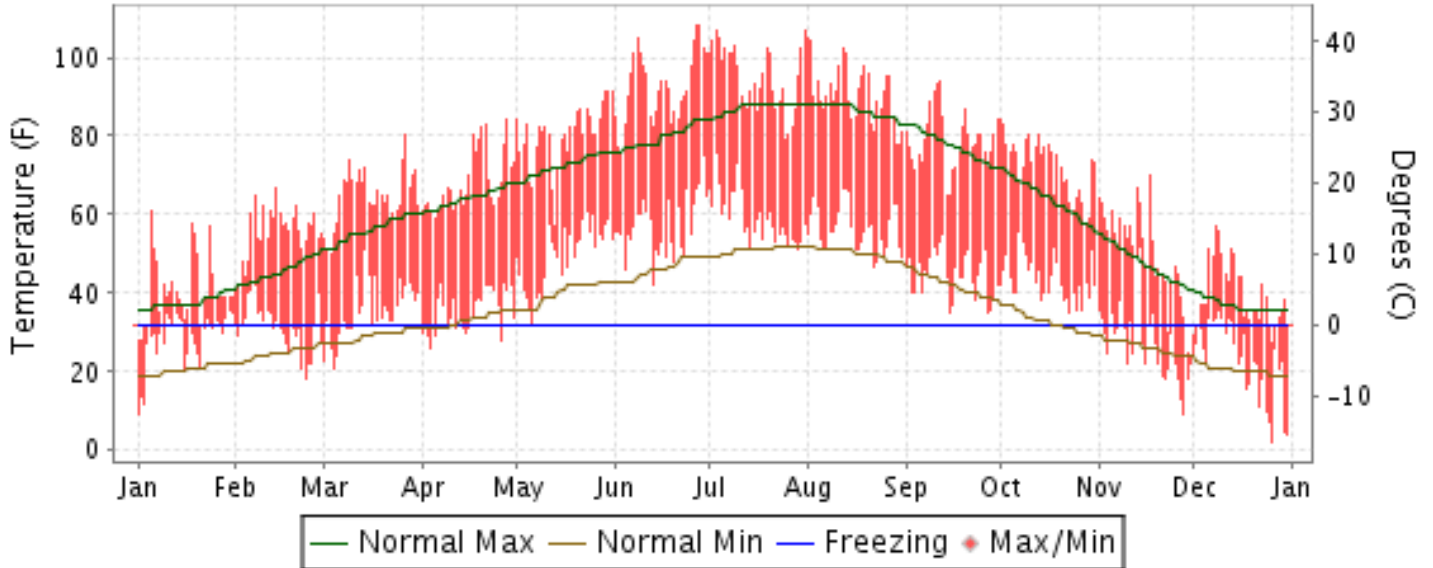


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

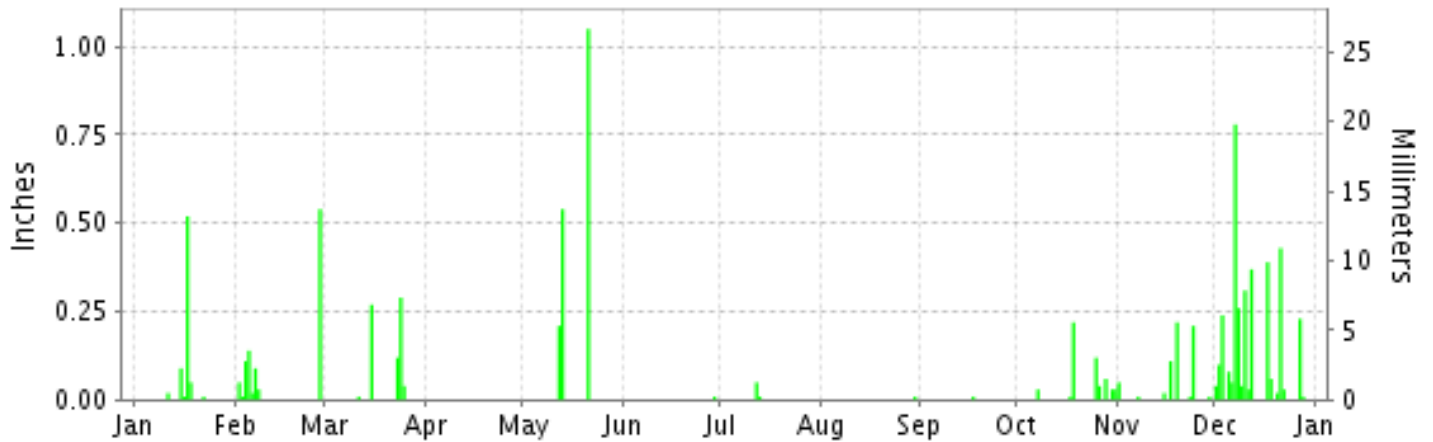
ISSN 0198-554X

## YAKIMA, WASHINGTON (KYKM)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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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

## YAKIMA (KYKM)

LATITUDE: 46° 34'N      LONGITUDE: 120° 32'W      ELEVATION (FT): GRND: 1064 BARO: 1075      TIME ZONE: PACIFIC (UTC -8)      WBAN: 24243

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR    |    |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|----|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 40.9  | 55.5  | 64.6  | 68.2  | 80.1  | 92.5  | 94.8  | 90.8  | 78.9  | 72.3  | 50.2  | 39.7   | 69.0    |    |
|                      | HIGHEST DAILY MAXIMUM       | 61    | 67    | 80    | 84    | 91    | 108   | 107   | 105   | 94    | 84    | 70    | 57     | 108     |    |
|                      | DATE OF OCCURRENCE          | 05    | 14    | 27    | 28    | 31+   | 28+   | 31+   | 01    | 12    | 01    | 17    | 08     | JUN 28+ |    |
|                      | MEAN DAILY MINIMUM          | 28.5  | 31.6  | 35.6  | 35.5  | 49.8  | 57.2  | 59.4  | 56.4  | 44.7  | 43.5  | 27.5  | 22.8   | 41.0    |    |
|                      | LOWEST DAILY MINIMUM        | 9     | 18    | 21    | 26    | 32    | 42    | 51    | 47    | 35    | 35    | 9     | 2      | 2       |    |
|                      | DATE OF OCCURRENCE          | 01    | 23    | 04    | 04    | 06    | 13    | 29    | 22    | 27+   | 23    | 28    | 26     | DEC 26  |    |
|                      | AVERAGE DRY BULB            | 34.7  | 43.5  | 50.1  | 51.9  | 64.9  | 74.9  | 77.1  | 73.6  | 61.8  | 57.9  | 38.9  | 31.2   | 55.0    |    |
|                      | MEAN WET BULB               | 32.2  |       | 43.0  | 42.4  | 52.9  | 58.5  | 59.8  | 58.3  | 50.7  | 49.1  | 34.3  | 29.0   |         |    |
|                      | MEAN DEW POINT              | 28.9  |       | 34.3  | 29.8  | 40.9  | 43.5  | 45.4  | 45.4  | 39.8  | 41.5  | 27.5  | 25.1   |         |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 3     | 19    | 22    | 17    | 3     | 0     | 0     | 0      | 0       | 64 |
|                      | MAXIMUM <= 32°              | 5     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 6      | 6       | 14 |
| MINIMUM <= 32°       | 21                          | 16    | 9     | 11    | 1     | 0     | 0     | 0     | 0     | 0     | 22    | 24    | 24     | 104     |    |
| MINIMUM <= 0°        | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0       |    |
| H/C                  | HEATING DEGREE DAYS         | 930   | 610   | 454   | 385   | 86    | 3     | 0     | 1     | 126   | 212   | 775   | 1038   | 4620    |    |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 0     | 92    | 307   | 382   | 276   | 37    | 0     | 0     | 0      | 1094    |    |
| RH                   | MEAN (PERCENT)              | 82    | 69    | 57    | 46    | 45    | 33    | 34    | 39    | 48    | 60    | 66    | 78     | 55      |    |
|                      | HOUR 04 LST                 | 87    | 84    | 77    | 68    | 68    | 57    | 56    | 60    | 70    | 76    | 74    | 82     | 72      |    |
|                      | HOUR 10 LST                 | 78    | 59    | 45    | 30    | 32    | 22    | 23    | 27    | 33    | 46    | 56    | 77     | 44      |    |
|                      | HOUR 16 LST                 | 78    | 51    | 37    | 27    | 29    | 20    | 19    | 23    | 29    | 48    | 60    | 75     | 41      |    |
|                      | HOUR 22 LST                 | 85    | 75    | 68    | 58    | 55    | 39    | 40    | 45    | 58    | 70    | 72    | 81     | 62      |    |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 9     | 3     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 7      | 21      |    |
|                      | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 2     | 0     | 1     | 0     | 0     | 0     | 0     | 0      | 3       |    |
| PR                   | MEAN STATION PRESS. (IN.)   | 29.14 | 28.98 | 28.95 | 28.89 | 28.77 | 28.79 | 28.77 | 28.77 | 28.82 | 28.87 | 28.95 | 28.81  | 28.88   |    |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 30.32 | 30.14 | 30.11 | 30.03 | 29.89 | 29.90 | 29.88 | 29.89 | 29.95 | 30.01 | 30.12 | 29.98  | 30.02   |    |
| WINDS                | RESULTANT SPEED (MPH)       | 0.9   | 1.8   | 3.3   | 3.5   | 3.2   | 5.3   | 4.2   | 3.5   | 3.6   | 3.4   | 3.0   | 2.3    | 3.0     |    |
|                      | RES. DIR. (TENS OF DEGS.)   | 26    | 28    | 25    | 28    | 30    | 31    | 31    | 28    | 29    | 28    | 26    | 28     | 29      |    |
|                      | MEAN SPEED (MPH)            | 2.5   | 4.7   | 5.9   | 6.7   | 6.8   | 8.2   | 7.5   | 7.0   | 6.1   | 5.5   | 6.1   | 4.4    | 6.0     |    |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 26    | 27    | 26    | 27    | 29    | 32    | 33    | 28    | 28    | 28    | 27    | 29     | 28      |    |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | SPEED (MPH)                 | 26    | 30    | 32    | 32    | 28    | 30    | 30    | 33    | 31    | 31    | 37    | 29     | 37      |    |
|                      | DIR. (TENS OF DEGS.)        | 28    | 19    | 32    | 29    | 33    | 33    | 32    | 28    | 29    | 20    | 28    | 32     | 28      |    |
|                      | DATE OF OCCURRENCE          | 18    | 07    | 28    | 11    | 15    | 10    | 27    | 14    | 05    | 10    | 17    | 10     | NOV 17  |    |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | SPEED (MPH)                 | 33    | 47    | 45    | 46    | 51    | 60    | 56    | 46    | 41    | 65    | 53    | 33     | 65      |    |
| DIR. (TENS OF DEGS.) | 29                          | 28    | 29    | 29    | 32    | 35    | 36    | 33    | 31    | 32    | 31    | 33    | 32     |         |    |
| DATE OF OCCURRENCE   | 18                          | 07    | 27    | 11    | 15    | 10    | 27    | 04    | 05    | 26    | 17    | 09    | OCT 26 |         |    |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | TOTAL (IN.)                 | 0.70  | 0.99  | 0.73  | T     | 1.80  | 0.01  | 0.06  | 0.01  | 0.01  | 0.54  | 0.64  | 3.47   | 8.96    |    |
|                      | GREATEST 24-HOUR (IN.)      | 0.57  | 0.54  | 0.41  | T     | 1.05  | 0.01  | 0.06  | 0.01  | 0.01  | 0.23  | 0.22  | 0.78   | 1.05    |    |
|                      | DATE OF OCCURRENCE          | 17-18 | 27    | 23-24 | 25+   | 21    | 29    | 12-13 | 30    | 17    | 17-18 | 19    | 07     | MAY 21  |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | PRECIPITATION 0.01          | 6     | 8     | 5     | 0     | 3     | 1     | 2     | 1     | 1     | 8     | 8     | 18     | 61      |    |
| PRECIPITATION 0.10   | 1                           | 3     | 3     | 0     | 3     | 0     | 0     | 0     | 0     | 2     | 3     | 9     | 24     |         |    |
| PRECIPITATION 1.00   | 0                           | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1      |         |    |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
|                      | TOTAL (IN.)                 | 1.6   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 3.0   | 15.9   | 20.5    |    |
|                      | GREATEST 24-HOUR (IN.)      | 1.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 3.0   | 5.5    | 5.5     |    |
|                      | DATE OF OCCURRENCE          | 15    |       |       |       |       |       |       |       |       |       | 24    | 17     | DEC 17  |    |
|                      | MAXIMUM SNOW DEPTH (IN.)    | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 10    | 9      | 10      |    |
|                      | DATE OF OCCURRENCE          | 16+   |       |       |       |       |       |       |       |       |       | 24    | 28     | NOV 24  |    |
| NUMBER OF DAYS WITH: |                             |       |       |       |       |       |       |       |       |       |       |       |        |         |    |
| SNOWFALL >= 1.0      | 1                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 3     | 5      |         |    |

# NORMALS, MEANS, AND EXTREMES YAKIMA (KYKM)

LATITUDE:  
46° 34'N

LONGITUDE:  
120° 32'W

ELEVATION (FT):  
GRND: 1064 BARO: 1075

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 24243

|  | ELEMENT   | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F                           | NORMAL DAILY MAXIMUM                              | 30   | 38.6  | 46.3  | 56.2  | 63.8  | 72.4  | 79.5  | 87.9  | 86.8  | 78.0  | 63.9  | 47.9  | 35.8     | 63.1     |
|  | MEAN DAILY MAXIMUM                                | 69   | 37.7  | 46.2  | 55.7  | 63.9  | 72.9  | 79.9  | 88.2  | 86.6  | 77.8  | 64.3  | 48.2  | 38.0     | 63.3     |
|  | HIGHEST DAILY MAXIMUM                             | 69   | 68    | 69    | 80    | 92    | 102   | 108   | 109   | 110   | 100   | 91    | 73    | 67       | 110      |
|  | YEAR OF OCCURRENCE                                |      | 1977  | 1947  | 2015  | 1977  | 1986  | 2015  | 2006  | 1971  | 1988  | 2014  | 1989  | 1980     | AUG 1971 |
|  | MEAN OF EXTREME MAXS.                             | 69   | 54.7  | 59.5  | 68.5  | 78.9  | 89.3  | 94.7  | 100.6 | 98.9  | 91.2  | 78.0  | 63.5  | 54.4     | 77.7     |
|  | NORMAL DAILY MINIMUM                              | 30   | 23.3  | 25.9  | 30.1  | 34.4  | 41.9  | 48.3  | 53.3  | 51.8  | 43.5  | 34.1  | 26.8  | 21.3     | 36.2     |
|  | MEAN DAILY MINIMUM                                | 69   | 21.3  | 25.8  | 30.0  | 34.7  | 42.5  | 49.0  | 53.6  | 52.0  | 44.1  | 35.0  | 27.6  | 22.6     | 36.5     |
|  | LOWEST DAILY MINIMUM                              | 69   | -21   | -25   | -1    | 18    | 25    | 30    | 34    | 35    | 24    | 4     | -13   | -17      | -25      |
|  | YEAR OF OCCURRENCE                                |      | 1950  | 1950  | 1960  | 2008  | 1999  | 1984  | 1971  | 1960  | 1985  | 2002  | 1985  | 1964     | FEB 1950 |
|  | MEAN OF EXTREME MINS.                             | 69   | 3.7   | 10.5  | 19.4  | 24.1  | 29.6  | 36.7  | 41.7  | 41.6  | 33.0  | 22.6  | 14.1  | 6.4      | 23.6     |
|  | NORMAL DRY BULB                                   | 30   | 31.0  | 36.1  | 43.2  | 49.1  | 57.1  | 63.9  | 70.6  | 69.3  | 60.8  | 49.0  | 37.3  | 28.5     | 49.7     |
|  | MEAN DRY BULB                                     | 69   | 29.5  | 36.0  | 42.8  | 49.3  | 57.7  | 64.5  | 70.9  | 69.3  | 61.0  | 49.6  | 37.9  | 30.3     | 49.9     |
|  | MEAN WET BULB                                     | 32   | 27.9  | 30.6  | 35.6  | 39.3  | 45.5  | 50.6  | 54.7  | 54.4  | 49.0  | 41.1  | 32.7  | 26.3     | 40.6     |
|  | MEAN DEW POINT                                    | 32   | 27.0  | 28.8  | 32.7  | 36.3  | 42.3  | 47.0  | 51.4  | 51.1  | 46.0  | 38.4  | 31.3  | 25.5     | 38.2     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30   | 0.0   | 0.0   | 0.0   | 0.0   | 1.1   | 3.4   | 13.3  | 11.0  | 2.1   | 0.0   | 0.0   | 0.0      | 30.9     |
|  | MAXIMUM <= 32                                     | 30   | 6.8   | 1.8   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.7   | 10.2     | 20.6     |
| MINIMUM <= 32                            | 30  | 26.9 | 22.6  | 19.9  | 11.9  | 3.0   | 0.0   | 0.0   | 0.0   | 0.9   | 11.9  | 22.5  | 28.3  | 147.9    |          |
| MINIMUM <= 0                             | 30  | 0.4  | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 1.1   | 2.0      |          |
| H/C                                      | NORMAL HEATING DEG. DAYS                          | 30   | 1055  | 809   | 677   | 478   | 262   | 98    | 21    | 27    | 160   | 496   | 829   | 1130     | 6042     |
|  | NORMAL COOLING DEG. DAYS                          | 30   | 0     | 0     | 0     | 1     | 19    | 65    | 195   | 160   | 32    | 0     | 0     | 0        | 472      |
| RH                                       | NORMAL (PERCENT)                                  | 30   | 81    | 75    | 63    | 54    | 51    | 49    | 46    | 49    | 57    | 65    | 77    | 82       | 62       |
|  | HOURLY 04 LST                                     | 30   | 84    | 84    | 79    | 73    | 72    | 72    | 69    | 71    | 78    | 81    | 84    | 85       | 78       |
|  | HOURLY 10 LST                                     | 30   | 81    | 74    | 57    | 44    | 41    | 39    | 37    | 40    | 45    | 55    | 75    | 82       | 56       |
|  | HOURLY 16 LST                                     | 30   | 72    | 60    | 43    | 35    | 32    | 31    | 27    | 28    | 33    | 41    | 63    | 76       | 45       |
|  | HOURLY 22 LST                                     | 30   | 82    | 79    | 70    | 60    | 57    | 55    | 52    | 56    | 67    | 73    | 81    | 84       | 68       |
| S  | PERCENT POSSIBLE SUNSHINE                         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| W/O                                      | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 52   | 5.2   | 2.1   | 0.5   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.6   | 3.0   | 6.0      | 17.7     |
|  | THUNDERSTORMS                                     | 68   | 0.0   | 0.0   | 0.0   | 0.4   | 1.0   | 1.4   | 1.3   | 1.1   | 0.5   | 0.1   | 0.0   | 0.0      | 5.8      |
| CLOUDINESS                               | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   | 50   | 6.3   | 5.9   | 5.4   | 5.2   | 4.7   | 4.2   | 2.5   | 2.7   | 3.1   | 4.5   | 5.8   | 6.2      | 4.7      |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         | 29   | 5.9   | 5.3   | 4.7   | 4.6   | 4.1   | 3.8   | 2.4   | 2.5   | 2.8   | 3.9   | 5.4   | 5.8      | 4.3      |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      | 50   | 4.0   | 4.4   | 6.2   | 6.2   | 8.4   | 10.3  | 18.7  | 17.5  | 15.0  | 9.5   | 5.1   | 4.0      | 109.3    |
|  | PARTLY CLOUDY                                     | 50   | 5.4   | 5.8   | 8.3   | 9.4   | 10.5  | 9.8   | 8.0   | 7.8   | 7.9   | 8.3   | 6.0   | 5.2      | 92.4     |
|  | CLOUDY  | 50   | 21.6  | 18.0  | 16.6  | 14.4  | 12.1  | 9.9   | 4.3   | 5.6   | 7.1   | 13.2  | 18.9  | 21.8     | 163.5    |
| PR                                       | MEAN STATION PRESSURE(IN)                         | 32   | 28.99 | 28.94 | 28.87 | 28.86 | 28.83 | 28.82 | 28.82 | 28.81 | 28.85 | 28.91 | 28.93 | 28.98    | 28.88    |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 32   | 30.17 | 30.11 | 30.03 | 30.00 | 29.96 | 29.94 | 29.93 | 29.93 | 29.98 | 30.06 | 30.10 | 30.16    | 30.03    |
| WINDS                                    | MEAN SPEED (MPH)                                  | 32   | 4.4   | 5.6   | 6.8   | 7.6   | 7.6   | 7.7   | 7.3   | 6.8   | 6.5   | 5.8   | 5.1   | 4.2      | 6.3      |
|  | PREVAIL.DIR(TENS OF DEGS)                         | 36   | 27    | 28    | 28    | 28    | 28    | 28    | 27    | 28    | 28    | 28    | 28    | 27       | 28       |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 19   | 47    | 46    | 38    | 41    | 39    | 37    | 32    | 45    | 37    | 40    | 39    | 43       | 47       |
|  | DIR. (TENS OF DEGS)                               |      | 27    | 27    | 27    | 26    | 28    | 29    | 28    | 18    | 27    | 27    | 28    | 28       | 27       |
|  | YEAR OF OCCURRENCE                                |      | 2013  | 2012  | 2014  | 2013  | 2010  | 1998  | 2011  | 2003  | 2013  | 2001  | 2014  | 2013     | JAN 2013 |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 19   | 62    | 59    | 50    | 53    | 51    | 77    | 56    | 53    | 60    | 65    | 53    | 58       | 77       |
|  | DIR. (TENS OF DEGS)                               |      | 27    | 27    | 24    | 27    | 32    | 21    | 36    | 18    | 23    | 32    | 31    | 15       | 21       |
| YEAR OF OCCURRENCE                       |   | 2013 | 2012  | 2014  | 2004  | 2015  | 2009  | 2015  | 2003  | 2011  | 2015  | 2015  | 2007  | JUN 2009 |          |
| PRECIPITATION                            | NORMAL (IN)                                       | 30   | 1.14  | 0.78  | 0.62  | 0.55  | 0.58  | 0.62  | 0.22  | 0.26  | 0.36  | 0.54  | 1.05  | 1.53     | 8.25     |
|  | MAXIMUM MONTHLY (IN)                              | 69   | 3.68  | 2.46  | 2.63  | 1.83  | 2.76  | 2.53  | 0.71  | 2.10  | 2.07  | 2.22  | 2.83  | 5.59     | 5.59     |
|  | YEAR OF OCCURRENCE                                |      | 1995  | 1961  | 1957  | 1995  | 1948  | 1991  | 1966  | 1975  | 1986  | 1950  | 1973  | 1996     | DEC 1996 |
|  | MINIMUM MONTHLY (IN)                              | 69   | 0.09  | T     | 0.01  | T     | 0.01  | 0.01  | T     | 0.00  | 0.00  | 0.00  | T     | 0.07     | 0.00     |
|  | YEAR OF OCCURRENCE                                |      | 1985  | 1988  | 1973  | 2015  | 2001  | 2015  | 2013  | 1955  | 1986  | 1978  | 1990  | 1976     | SEP 1986 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 69   | 1.37  | 0.87  | 0.74  | 1.25  | 1.96  | 1.56  | 0.66  | 1.74  | 1.49  | 1.05  | 2.03  | 1.58     | 2.03     |
|  | YEAR OF OCCURRENCE                                |      | 1963  | 1961  | 1987  | 1974  | 2011  | 1982  | 1963  | 1990  | 1986  | 1982  | 1996  | 1977     | NOV 1996 |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30   | 9.4   | 7.5   | 6.4   | 5.8   | 6.2   | 5.2   | 2.4   | 2.3   | 3.2   | 4.7   | 8.6   | 10.1     | 71.8     |
| PRECIPITATION >= 1.00                    | 30  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.3      |          |
| SNOWFALL                                 | NORMAL (IN)                                       | 30   | 5.3   | 2.6   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 3.5   | 9.4      | 21.6     |
|  | MAXIMUM MONTHLY (IN)                              | 69   | 26.6  | 17.7  | 10.8  | 0.8   | T     | 0.0   | T     | T     | 0.0   | 2.9   | 23.5  | 37.5     | 37.5     |
|  | YEAR OF OCCURRENCE                                |      | 1950  | 2014  | 1971  | 2010  | 2010  |       | 2013  | 2012  |       | 1991  | 1996  | 1964     | DEC 1964 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 69   | 13.6  | 12.8  | 7.4   | 0.8   | T     | 0.0   | 0.0   | 0.0   | 0.0   | 2.4   | 18.9  | 14.0     | 18.9     |
|  | YEAR OF OCCURRENCE'                               |      | 1963  | 2014  | 1951  | 2010  | 2010  |       |       |       |       | 1991  | 1996  | 1964     | NOV 1996 |
|  | MAXIMUM SNOW DEPTH (IN)                           | 67   | 21    | 15    | 7     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 10    | 19       | 21       |
|  | YEAR OF OCCURRENCE                                |      | 1997  | 1969  | 1969  |       |       |       |       |       |       | 1991  | 2015  | 1964     | JAN 1997 |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 2.2  | 0.9   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.9   | 3.1   | 7.4      |          |

**PRECIPITATION (inches) 2015 YAKIMA (KYKM)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 1.82 | 1.26 | 0.54 | 0.05 | 0.94 | 0.08 | 0.25 | 0.11 | 2.07 | 0.38 | 0.64 | 0.89 | 9.03   |
| 1987           | 1.46 | 0.25 | 1.44 | 0.57 | 0.10 | 0.05 | 0.40 | T    | 0.00 | 0.02 | 0.68 | 3.30 | 8.27   |
| 1988           | 0.68 | T    | 0.21 | 1.41 | 0.18 | 1.00 | T    | T    | 0.13 | 0.05 | 1.12 | 0.67 | 5.45   |
| 1989           | 0.19 | 1.29 | 1.71 | 0.85 | 0.63 | 0.05 | 0.07 | 0.41 | 0.09 | 0.67 | 0.72 | 0.21 | 6.89   |
| 1990           | 1.47 | 0.11 | 0.21 | 0.18 | 1.13 | 0.31 | 0.02 | 2.00 | 0.04 | 0.45 | T    | 0.24 | 6.16   |
| 1991           | 0.34 | 0.23 | 1.16 | 0.61 | 0.17 | 2.53 | 0.18 | 0.06 | 0.08 | 0.73 | 1.24 | 0.28 | 7.61   |
| 1992           | 0.27 | 0.62 | 0.41 | 0.96 | 0.04 | 1.25 | 0.44 | 0.25 | 0.28 | 0.68 | 0.98 | 2.33 | 8.51   |
| 1993           | 0.91 | 0.66 | 0.62 | 0.50 | 0.43 | 0.72 | 0.58 | 0.17 | 0.03 | 0.07 | 0.21 | 1.02 | 5.92   |
| 1994           | 0.36 | 1.05 | 0.04 | 0.90 | 1.22 | 0.66 | 0.05 | 0.06 | 0.09 | 1.36 | 0.69 | 1.27 | 7.75   |
| 1995           | 3.68 | 0.32 | 1.28 | 1.83 | 0.62 | 0.62 | 0.69 | 0.14 | 0.74 | 0.27 | 1.54 | 2.15 | 13.88  |
| 1996           | 1.31 | 1.81 | 0.57 | 0.22 | 1.24 | 0.04 | .48  | .02  | .36  | .55  | 2.59 | 5.59 | 14.78  |
| 1997           | 1.15 | 0.19 | 0.60 | 0.29 | 0.22 | 0.89 | 0.04 | 0.22 | 0.24 | 1.72 | 1.13 | 0.19 | 6.88   |
| 1998           | 1.96 | 1.43 | 1.09 | 0.21 | 1.20 | 0.10 | 0.64 | 0.03 | 0.06 | 0.19 | 0.83 | 0.69 | 8.43   |
| 1999           | 1.37 | 1.32 | 0.15 | 0.14 | 0.26 | 0.17 | 0.64 | 0.75 | T    | 0.40 | 0.53 | 0.27 | 6.00   |
| 2000           | 1.65 | 1.01 | 0.60 | 0.53 | 0.54 | 0.13 | 0.05 | T    | 0.18 | 0.32 | 0.70 | 0.70 | 6.41   |
| 2001           | 0.54 | 0.26 | 0.47 | 0.51 | 0.01 | 1.03 | 0.03 | 0.30 | 0.14 | 0.36 | 1.96 | 1.12 | 6.73   |
| 2002           | 0.33 | 0.84 | 0.21 | 0.80 | 0.69 | 0.71 | 0.12 | T    | 0.10 | 0.09 | 0.46 | 3.49 | 7.84   |
| 2003           | 2.21 | 0.28 | 0.36 | 1.28 | 0.16 | T    | T    | 0.44 | 0.05 | 0.20 | 0.10 | 2.05 | 7.13   |
| 2004           | 1.55 | 1.39 | 0.44 | 0.25 | 0.43 | 0.57 | 0.46 | 1.19 | 0.15 | 0.62 | 0.08 | 1.12 | 8.25   |
| 2005           | 1.07 | 0.15 | 0.56 | 0.72 | 1.17 | 0.09 | 0.12 | 0.09 | 0.37 | 0.23 | 1.60 | 2.38 | 8.55   |
| 2006           | 1.81 | 0.64 | 0.44 | 0.59 | 0.82 | 0.69 | 0.06 | T    | 0.55 | 0.26 | 1.14 | 2.56 | 9.56   |
| 2007           | 0.30 | 0.84 | 0.12 | 0.25 | 0.32 | 0.21 | 0.01 | 0.12 | 0.19 | 0.56 | 1.50 | 1.25 | 5.67   |
| 2008           | 0.81 | 0.51 | 0.27 | 0.13 | 0.21 | 0.29 | 0.05 | 0.32 | 0.19 | 0.44 | 0.98 | 0.83 | 5.03   |
| 2009           | 0.97 | 0.67 | 0.84 | 0.25 | 0.76 | 0.52 | 0.03 | 0.09 | 0.43 | 0.89 | 0.55 | 0.97 | 6.97   |
| 2010           | 1.97 | 1.01 | 0.14 | 0.53 | 1.46 | 1.07 | 0.08 | 0.05 | 0.88 | 0.74 | 0.83 | 2.38 | 11.14  |
| 2011           | 0.61 | 0.29 | 1.11 | 0.32 | 2.55 | 0.21 | 0.46 | T    | 0.07 | 0.90 | 0.48 | 0.34 | 7.34   |
| 2012           | 1.37 | 0.78 | 1.44 | 0.81 | 0.16 | 0.85 | 0.26 | T    | 0.04 | 1.01 | 0.66 | 2.13 | 9.51   |
| 2013           | 0.10 | 0.03 | 0.77 | 0.40 | 2.48 | 0.39 | T    | 0.19 | 0.30 | 0.13 | 0.38 | 0.32 | 5.49   |
| 2014           | 0.30 | 1.43 | 0.60 | 0.46 | 0.13 | 0.08 | 0.06 | 0.90 | 0.46 | 0.86 | 0.32 | 0.92 | 6.52   |
| 2015           | 0.70 | 0.99 | 0.73 | T    | 1.80 | 0.01 | 0.06 | 0.01 | 0.01 | 0.54 | 0.64 | 3.47 | 8.96   |
| POR=<br>69 YRS | 1.23 | 0.76 | 0.65 | 0.51 | 0.60 | 0.63 | 0.18 | 0.30 | 0.34 | 0.55 | 0.98 | 1.36 | 8.09   |

WBAN : 24243

**AVERAGE TEMPERATURE (°F) 2015 YAKIMA (KYKM)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 30.1 | 35.2 | 45.6 | 47.3 | 57.6 | 67.4 | 65.7 | 72.6 | 56.9 | 51.1 | 38.5 | 28.5 | 49.7   |
| 1987           | 28.1 | 37.6 | 44.0 | 52.8 | 59.6 | 65.9 | 67.9 | 68.5 | 62.9 | 50.3 | 40.1 | 29.0 | 50.6   |
| 1988           | 28.8 | 38.2 | 42.2 | 51.1 | 55.1 | 62.1 | 69.2 | 67.7 | 59.5 | 55.1 | 39.5 | 28.1 | 49.7   |
| 1989           | 33.7 | 26.4 | 40.0 | 52.0 | 56.2 | 65.8 | 68.6 | 66.9 | 61.0 | 48.8 | 41.7 | 31.4 | 49.4   |
| 1990           | 36.5 | 35.2 | 44.3 | 53.4 | 55.0 | 63.7 | 73.2 | 70.1 | 65.4 | 46.8 | 41.6 | 22.8 | 50.7   |
| 1991           | 27.7 | 41.5 | 40.6 | 49.2 | 55.0 | 60.1 | 70.6 | 71.3 | 63.8 | 48.6 | 38.2 | 34.9 | 50.1   |
| 1992           | 34.9 | 40.3 | 48.1 | 50.7 | 60.7 | 70.0 | 69.5 | 70.1 | 59.1 | 51.2 | 38.2 | 24.5 | 51.4   |
| 1993           | 23.6 | 28.8 | 40.8 | 47.8 | 61.5 | 62.0 | 63.0 | 66.6 | 60.9 | 51.7 | 31.4 | 33.0 | 47.6   |
| 1994           | 36.3 | 33.3 | 44.2 | 52.6 | 59.7 | 62.4 | 73.8 | 69.4 | 64.4 | 49.6 | 35.5 | 32.5 | 51.1   |
| 1995           | 32.3 | 40.1 | 42.9 | 48.0 | 59.0 | 62.6 | 69.5 | 64.6 | 63.6 | 47.9 | 41.3 | 31.3 | 50.3   |
| 1996           | 26.7 | 31.5 | 42.9 | 49.6 | 53.2 | 63.1 | 72.6 | 68.7 | 57.6 | 47.2 | 33.8 | 23.1 | 47.5   |
| 1997           | 27.1 | 35.4 | 43.6 | 47.6 | 59.7 | 62.8 | 69.2 | 71.5 | 62.4 | 48.0 | 39.6 | 29.9 | 49.7   |
| 1998           | 30.0 | 39.1 | 43.8 | 49.7 | 58.3 | 65.1 | 76.1 | 71.6 | 65.3 | 47.4 | 41.0 | 30.7 | 51.5   |
| 1999           | 34.5 | 38.3 | 41.6 | 47.0 | 53.6 | 62.6 | 67.3 | 70.6 | 59.3 | 47.4 | 42.9 | 35.5 | 50.1   |
| 2000           | 29.9 | 36.6 | 42.4 | 51.5 | 57.0 | 64.8 | 69.4 | 68.2 | 59.7 | 48.7 | 31.3 | 28.2 | 49.0   |
| 2001           | 32.5 | 34.5 | 43.8 | 47.4 | 58.2 | 61.6 | 71.0 | 71.7 | 63.8 | 48.9 | 39.7 | 32.9 | 50.5   |
| 2002           | 34.8 | 36.9 | 39.3 | 48.8 | 55.2 | 65.4 | 72.6 | 67.7 | 59.9 | 46.5 | 37.8 | 35.4 | 50.0   |
| 2003           | 36.8 | 38.2 | 45.7 | 49.0 | 56.6 | 67.9 | 73.9 | 71.0 | 63.8 | 53.5 | 33.6 | 29.8 | 51.7   |
| 2004           | 28.3 | 36.4 | 46.1 | 51.6 | 57.1 | 65.7 | 72.8 | 71.8 | 59.8 | 51.3 | 37.5 | 34.4 | 51.1   |
| 2005           | 30.1 | 36.2 | 45.5 | 50.2 | 60.1 | 62.9 | 70.9 | 70.9 | 58.8 | 50.3 | 35.6 | 25.8 | 49.8   |
| 2006           | 35.3 | 34.8 | 41.7 | 49.0 | 57.6 | 65.4 | 74.0 | 69.4 | 61.6 | 48.8 | 37.2 | 27.3 | 50.2   |
| 2007           | 27.9 | 35.8 | 44.5 | 48.7 | 58.2 | 63.4 | 75.4 | 68.6 | 60.2 | 47.1 | 37.2 | 31.0 | 49.8   |
| 2008           | 27.1 | 38.9 | 40.1 | 43.8 | 59.9 | 63.1 | 70.7 | 68.7 | 61.0 | 48.9 | 40.6 | 23.8 | 48.9   |
| 2009           | 30.2 | 34.9 | 39.0 | 48.2 | 58.0 | 67.4 | 73.7 | 70.8 | 62.3 | 46.5 | 38.1 | 23.8 | 49.4   |
| 2010           | 36.0 | 40.9 | 43.8 | 49.1 | 54.1 | 62.7 | 71.8 | 69.0 | 62.1 | 51.3 | 35.5 | 31.9 | 50.7   |
| 2011           | 32.8 | 34.6 | 42.3 | 44.8 | 54.6 | 62.6 | 68.0 | 72.4 | 64.9 | 50.7 | 35.9 | 29.4 | 49.4   |
| 2012           | 29.6 | 37.8 | 42.7 | 51.8 | 57.8 | 62.9 | 74.3 | 72.4 | 64.0 | 50.0 | 41.4 | 33.4 | 51.5   |
| 2013           | 30.7 | 39.9 | 45.5 | 51.6 | 60.3 | 67.3 | 77.5 | 73.5 | 65.1 | 48.9 | 38.1 | 27.4 | 52.2   |
| 2014           | 34.6 | 32.7 | 44.3 | 52.0 | 60.5 | 67.1 | 77.8 | 74.2 | 63.6 | 55.5 | 37.6 | 35.9 | 53.0   |
| 2015           | 34.7 | 43.5 | 50.1 | 51.9 | 64.9 | 74.9 | 77.1 | 73.6 | 61.8 | 57.9 | 38.9 | 31.2 | 55.0   |
| POR=<br>69 YRS | 29.5 | 36.0 | 42.8 | 49.3 | 57.7 | 64.5 | 70.9 | 69.3 | 61.0 | 49.6 | 37.9 | 30.3 | 49.9   |

**HEATING DEGREE DAYS (base 65°F) 2015 YAKIMA (KYKM)**

| YEAR    | JUL | AUG | SEP | OCT | NOV  | DEC  | JAN  | FEB  | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-------|
| 1987-88 | 31  | 19  | 112 | 447 | 739  | 1108 | 1116 | 770  | 699 | 413 | 311 | 139 | 5904  |
| 1988-89 | 33  | 14  | 197 | 303 | 762  | 1136 | 963  | 1073 | 767 | 383 | 269 | 52  | 5952  |
| 1989-90 | 26  | 28  | 116 | 497 | 694  | 1035 | 876  | 827  | 634 | 342 | 307 | 111 | 5493  |
| 1990-91 | 15  | 21  | 36  | 558 | 697  | 1302 | 1149 | 652  | 749 | 466 | 306 | 153 | 6104  |
| 1991-92 | 5   | 12  | 63  | 499 | 795  | 926  | 926  | 710  | 515 | 419 | 159 | 33  | 5062  |
| 1992-93 | 9   | 34  | 184 | 427 | 799  | 1249 | 1274 | 1005 | 742 | 505 | 153 | 123 | 6504  |
| 1993-94 | 80  | 53  | 172 | 406 | 1002 | 983  | 883  | 880  | 641 | 373 | 185 | 126 | 5784  |
| 1994-95 | 10  | 10  | 53  | 472 | 875  | 1003 | 1006 | 695  | 681 | 505 | 193 | 121 | 5624  |
| 1995-96 | 7   | 71  | 95  | 526 | 705  | 1041 | 1183 | 967  | 677 | 456 | 365 | 92  | 6185  |
| 1996-97 | 23  | 23  | 227 | 542 | 931  | 1292 | 1166 | 824  | 656 | 514 | 185 | 99  | 6482  |
| 1997-98 | 17  | 6   | 98  | 522 | 755  | 1085 | 1077 | 720  | 654 | 454 | 222 | 48  | 5658  |
| 1998-99 | 0   | 17  | 75  | 537 | 714  | 1055 | 939  | 741  | 718 | 530 | 358 | 128 | 5812  |
| 1999-00 | 50  | 38  | 171 | 538 | 657  | 910  | 1080 | 817  | 694 | 398 | 247 | 70  | 5670  |
| 2000-01 | 32  | 33  | 192 | 498 | 1006 | 1136 | 1003 | 850  | 653 | 521 | 246 | 127 | 6297  |
| 2001-02 | 20  | 13  | 85  | 491 | 749  | 988  | 928  | 780  | 790 | 482 | 300 | 79  | 5705  |
| 2002-03 | 21  | 31  | 166 | 568 | 808  | 915  | 870  | 746  | 591 | 474 | 274 | 37  | 5501  |
| 2003-04 | 8   | 0   | 111 | 354 | 933  | 1085 | 1131 | 822  | 576 | 397 | 239 | 98  | 5754  |
| 2004-05 | 11  | 14  | 157 | 420 | 819  | 940  | 1073 | 801  | 600 | 438 | 180 | 106 | 5559  |
| 2005-06 | 2   | 7   | 186 | 449 | 877  | 1206 | 911  | 840  | 716 | 475 | 266 | 56  | 5991  |
| 2006-07 | 10  | 17  | 147 | 496 | 826  | 1163 | 1146 | 813  | 628 | 482 | 215 | 110 | 6053  |
| 2007-08 | 0   | 20  | 175 | 548 | 827  | 1048 | 1166 | 751  | 764 | 628 | 198 | 123 | 6248  |
| 2008-09 | 8   | 36  | 124 | 493 | 727  | 1265 | 1072 | 839  | 800 | 496 | 253 | 25  | 6138  |
| 2009-10 | 11  | 16  | 122 | 566 | 799  | 1270 | 893  | 670  | 648 | 469 | 336 | 104 | 5904  |
| 2010-11 | 11  | 39  | 104 | 420 | 878  | 1017 | 990  | 846  | 697 | 601 | 318 | 105 | 6026  |
| 2011-12 | 17  | 1   | 89  | 436 | 868  | 1095 | 1089 | 783  | 685 | 400 | 234 | 112 | 5809  |
| 2012-13 | 8   | 26  | 62  | 455 | 701  | 976  | 1055 | 694  | 595 | 398 | 191 | 39  | 5200  |
| 2013-   | 0   | 0   | 125 | 491 | 800  | 1155 |      |      |     |     |     |     |       |
| 2013-14 | 0   | 0   | 125 | 491 | 800  | 1155 | 935  | 896  | 634 | 381 | 153 | 30  | 5600  |
| 2014-15 | 5   | 1   | 70  | 294 | 815  | 894  | 930  | 610  | 454 | 385 | 86  | 3   | 4547  |
| 2015-   | 0   | 1   | 126 | 212 | 775  | 1038 |      |      |     |     |     |     |       |

WBAN : 24243

**COOLING DEGREE DAYS (base 65°F) 2015 YAKIMA (KYKM)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1986 | 0   | 0   | 0   | 0   | 69  | 122 | 87  | 245 | 20  | 0   | 0   | 0   | 543   |
| 1987 | 0   | 0   | 0   | 14  | 29  | 110 | 128 | 133 | 56  | 0   | 0   | 0   | 470   |
| 1988 | 0   | 0   | 0   | 2   | 11  | 59  | 168 | 105 | 39  | 1   | 0   | 0   | 385   |
| 1989 | 0   | 0   | 0   | 0   | 4   | 82  | 146 | 95  | 4   | 0   | 0   | 0   | 331   |
| 1990 | 0   | 0   | 0   | 1   | 1   | 79  | 277 | 186 | 53  | 0   | 0   | 0   | 597   |
| 1991 | 0   | 0   | 0   | 0   | 1   | 13  | 184 | 215 | 32  | 0   | 0   | 0   | 445   |
| 1992 | 0   | 0   | 0   | 0   | 31  | 189 | 156 | 199 | 14  | 5   | 0   | 0   | 594   |
| 1993 | 0   | 0   | 0   | 0   | 49  | 42  | 26  | 111 | 54  | 0   | 0   | 0   | 282   |
| 1994 | 0   | 0   | 0   | 6   | 27  | 52  | 290 | 153 | 42  | 0   | 0   | 0   | 570   |
| 1995 | 0   | 0   | 0   | 0   | 15  | 54  | 156 | 67  | 64  | 0   | 0   | 0   | 356   |
| 1996 | 0   | 0   | 0   | 0   | 5   | 39  | 268 | 145 | 12  | 0   | 0   | 0   | 469   |
| 1997 | 0   | 0   | 0   | 0   | 29  | 40  | 153 | 214 | 27  | 0   | 0   | 0   | 463   |
| 1998 | 0   | 0   | 0   | 1   | 21  | 55  | 353 | 228 | 91  | 0   | 0   | 0   | 749   |
| 1999 | 0   | 0   | 0   | 0   | 11  | 62  | 126 | 216 | 8   | 0   | 0   | 0   | 423   |
| 2000 | 0   | 0   | 0   | 0   | 7   | 73  | 178 | 141 | 35  | 0   | 0   | 0   | 434   |
| 2001 | 0   | 0   | 0   | 0   | 41  | 30  | 209 | 229 | 53  | 0   | 0   | 0   | 562   |
| 2002 | 0   | 0   | 0   | 0   | 1   | 99  | 263 | 121 | 20  | 0   | 0   | 0   | 504   |
| 2003 | 0   | 0   | 0   | 0   | 21  | 129 | 288 | 190 | 80  | 6   | 0   | 0   | 714   |
| 2004 | 0   | 0   | 0   | 0   | 1   | 122 | 264 | 233 | 6   | 0   | 0   | 0   | 626   |
| 2005 | 0   | 0   | 0   | 0   | 35  | 51  | 194 | 198 | 9   | 0   | 0   | 0   | 487   |
| 2006 | 0   | 0   | 0   | 0   | 48  | 75  | 296 | 161 | 52  | 0   | 0   | 0   | 632   |
| 2007 | 0   | 0   | 0   | 0   | 9   | 68  | 330 | 138 | 35  | 0   | 0   | 0   | 580   |
| 2008 | 0   | 0   | 0   | 0   | 45  | 71  | 190 | 159 | 14  | 0   | 0   | 0   | 479   |
| 2009 | 0   | 0   | 0   | 0   | 42  | 104 | 287 | 199 | 46  | 0   | 0   | 0   | 678   |
| 2010 | 0   | 0   | 0   | 0   | 6   | 42  | 229 | 171 | 23  | 1   | 0   | 0   | 472   |
| 2011 | 0   | 0   | 0   | 0   | 1   | 39  | 115 | 238 | 92  | 0   | 0   | 0   | 485   |
| 2012 | 0   | 0   | 0   | 7   | 17  | 54  | 301 | 246 | 42  | 0   | 0   | 0   | 667   |
| 2013 | 0   | 0   | 0   | 1   | 51  | 116 | 395 | 272 | 135 | 0   | 0   | 0   | 970   |
| 2014 | 0   | 0   | 0   | 0   | 23  | 102 | 408 | 294 | 36  | 8   | 0   | 0   | 871   |
| 2015 | 0   | 0   | 0   | 0   | 92  | 307 | 382 | 276 | 37  | 0   | 0   | 0   | 1094  |

## SNOWFALL (inches) 2015 YAKIMA (KYKM)

| YEAR           | JUL | AUG | SEP | OCT | NOV  | DEC  | JAN  | FEB  | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-----|-------|
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0 | 2.0  | 10.6 | 9.2  | T    | 0.0 | 0.0 | 0.0 | 0.0 | 21.8  |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | T    | 7.2  | 0.4  | 11.4 | 5.0 | 0.0 | 0.0 | 0.0 | 24.0  |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | T    | 0.2  | 0.4  | 1.9  | T   | 0.0 | 0.0 | 0.0 | 2.5   |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 1.0  | 1.4  | T    | 0.6 | T   | 0.0 | 0.0 | 3.0   |
| 1991-92        | 0.0 | 0.0 | 0.0 | 2.9 | T    | 0.6  | 0.3  | 0.9  | 0.0 | T   | 0.0 | 0.0 | 4.7   |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 4.2  | 30.4 | 11.6 | 8.3  | 5.1 | 0.2 | 0.0 | 0.0 | 59.8  |
| 1993-94        | 0.0 | 0.0 | 0.0 | T   | 1.7  | 3.0  | T    | 9.5  | 0.1 | T   | T   | 0.0 | 14.3  |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | 0.3  | 5.1  | 7.2  | 0.3  | 0.1 | 0.0 | 0.0 | 0.0 | 13.0  |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 2.6  | 2.6  | 12.8 | 3.2  | T   |     |     |     |       |
| 1996-97        |     |     |     |     | 23.5 | 34.5 | 3.5  | 1.9  | 2.6 | 0.0 | 0.0 | 0.0 |       |
| 1997-98        |     |     |     |     |      |      | 13.3 |      |     |     |     |     |       |
| 1998-99        |     |     |     |     |      |      | 2.3  | 1.5  | T   | 0.0 | 0.0 | 0.0 |       |
| 1999-00        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 1.8  | 17.8 | 0.8  | 0.0 | 0.0 | 0.0 | 0.0 | 20.4  |
| 2000-01        | 0.0 | 0.0 | 0.0 | T   | 3.2  | 9.9  | 2.7  | 4.3  | 0.0 | 0.0 | 0.0 | 0.0 | 20.1  |
| 2001-02        | 0.0 | 0.0 | 0.0 | 0.0 | 12.9 | 9.9  | T    | 0.8  | 3.4 | 0.0 | 0.0 | 0.0 | 27.0  |
| 2002-03        | 0.0 | 0.0 | 0.0 | T   | 0.0  | 6.9  | 3.0  | T    | 0.0 | T   | 0.0 | 0.0 | 9.9   |
| 2003-04        | 0.0 | 0.0 | 0.0 | T   | 0.0  | 11.4 | 17.6 | 3.8  | 0.2 | 0.0 | 0.0 | 0.0 | 33.0  |
| 2004-05        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 5.3  | 10.1 | T    | 0.0 | 0.0 | 0.0 | 0.0 | 15.4  |
| 2005-06        | 0.0 | 0.0 | 0.0 | 0.0 | 2.4  | 3.1  | 2.1  | 0.2  | T   | 0.0 | 0.0 | 0.0 | 7.8   |
| 2006-07        | 0.0 | 0.0 | 0.0 | 0.0 | 3.7  | 7.0  | 0.6  | 1.1  | 1.3 | 0.0 | 0.0 | 0.0 | 13.7  |
| 2007-08        | 0.0 | 0.0 | 0.0 | 0.0 | 9.0  | 7.7  | 7.5  | 4.4  | 0.5 | T   | 0.0 | 0.0 | 29.1  |
| 2008-09        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 9.4  | 7.1  | 1.0  | T   | T   | 0.0 | 0.0 | 17.5  |
| 2009-10        | 0.0 | 0.0 | 0.0 | T   | 1.1  | 12.7 | 1.5  | 0.0  | T   | 0.8 | T   | 0.0 | 16.1  |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0 | 7.4  | 13.4 | 4.4  | T    | 0.9 | 0.0 | 0.0 | 0.0 | 26.1  |
| 2011-12        | 0.0 | 0.0 | 0.0 | 0.0 | 4.2  | 0.2  | 16.2 | 5.1  | 0.2 | 0.0 | 0.0 | 0.0 | 25.9  |
| 2012-13        | 0.0 | 0.0 | 0.0 | 0.0 | 0.7  | 13.5 | 1.1  | 0.0  | T   | 0.0 | 0.0 | 0.0 | 15.3  |
| 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    | 0.5  | 17.7 | 1.7 | 0.0 | 0.0 | 0.0 | 19.9  |
| 2014-15        | 0.0 | 0.0 | 0.0 | 0.0 | T    | T    | 1.6  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 1.6   |
| 2015-          | 0.0 | 0.0 | 0.0 | 0.0 | 3.0  | 15.9 |      |      |     |     |     |     |       |
| POR=<br>68 YRS | 0.0 | 0.0 | 0.0 | 0.1 | 2.7  | 8.0  | 7.6  | 3.1  | 1.2 | T   | T   | 0.0 | 22.7  |

WBAN : 24243

### REFERENCE NOTES :

PAGE 1:  
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:

H/C INDICATES HEATING AND COOLING DEGREE DAYS.

RH INDICATES RELATIVE HUMIDITY

W/O INDICATES WEATHER AND OBSTRUCTIONS

S INDICATES SUNSHINE.

PR INDICATES PRESSURE.

CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:

T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.

+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.

PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.

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.

WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.

0.\* OR \* INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.

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

CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.

GENERAL CONTINUED:

WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.

RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.

AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.

SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN

PRECIPITATION, INCLUDING HAIL.

A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.

DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.

DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.

WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

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.

STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:

<http://www.ncdc.noaa.gov/homr/>

SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

### NOTE:

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.

# 2015 YAKIMA WASHINGTON (KYKM)

Yakima is located in a small east-west valley in the upper (northwestern) part of the Yakima Valley. Local topography is complex with a number of minor valleys and ridges giving a local relief of as much as 1,000 feet. This complex topography results in marked variations in air drainage, winds, and low temperatures within short distances.

The climate of the Yakima Valley is relatively mild and dry. It has characteristics of both maritime and continental climates, modified by the Cascade and the Rocky Mountains, respectively. Summers are dry and rather hot, and winters cool with only light snowfall. The maritime influence is strongest in winter when the prevailing westerlies are the strongest and most steady. The Selkirk and Rocky Mountains in British Columbia and Idaho shield the area from most of the very cold air masses that sweep down from Canada into the Great Plains and eastern United States. Sometimes a strong polar high pressure area over western Canada will occur at the same time that a low pressure area covers the southwestern United States. On these occasions, the cold arctic air will pour through the passes and down the river valleys of British Columbia, bringing very cold temperatures to Yakima. However, over one-half of the winters remain above zero.

The modifying influence of the Pacific Ocean is much less in summer. Afternoons are hot, but the dry air results in a rapid temperature fall after sunset, and nights are pleasantly cool with summertime low temperatures, usually in the 50s. Spells of 4 to 11 days of 100 degrees or more have occurred.

The length of the growing season varies depending on the immediate topography and the crop grown. Temperatures below 32 degrees are infrequent during the period from mid-May through September. Temperatures below 40 degrees during July and August have occurred in about half of the years.

Precipitation follows the pattern of a West Coast marine climate with the typical late fall and early winter high. However, since Yakima lies in the rain shadow of the Cascades, total amounts are small. The three months, November to January, total nearly half of the annual fall. Late June, July, and August are very dry.

Irrigation is necessary for nearly all crops. Ample water supplies are available from the snowmelt in the Cascade Mountains which is collected in storage reservoirs for summer use.

Snowfall in the Yakima area is light, averaging 20 to 25 inches.

Summers are sunny, with about 85 percent of the possible sunshine. Winters are generally cloudy, with only a third of the possible sunshine.

Winds are mostly light, averaging about 7 mph for the year, being somewhat stronger in late spring and weaker in winter. Speeds of 30 to 35 mph are reached at least once in about half the months and speeds over 40 mph occur in about 1 out of 5 months. The most common wind direction in downtown Yakima is northwest, while at the airport the wind is from the west in winter and the west-northwest in summer.

# Station History

YAKIMA, WA

| NAME                | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform      |
|---------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| YAKIMA AIR TERMINAL | 1930-07-01 | 1930-10-31 | 46° 36'  | -120° 30' |                |            | AIRWAYS       |
| YAKIMA AIR TERMINAL | 1937-08-01 | 1944-01-01 | 46° 34'  | -120° 33' |                |            | AIRWAYS       |
| YAKIMA AIR TERMINAL | 1987-11-01 | 1996-04-01 | 46° 34'  | -120° 31' | 1064           |            | COOP, WXSVC   |
| YAKIMA AIR TERMINAL | 1944-01-01 | 1944-03-01 | 46° 34'  | -120° 31' |                |            | AIRWAYS       |
| YAKIMA MUNICIPAL AP | 1944-03-01 | 1948-01-01 | 46° 34'  | -120° 31' |                |            | AIRWAYS       |
| YAKIMA MUNICIPAL AP | 1968-01-01 | 1969-01-01 | 46° 34'  | -120° 31' | 1052           |            | AIRWAYS, COOP |
| YAKIMA MUNICIPAL AP | 1969-01-01 | 1972-12-01 | 46° 34'  | -120° 31' | 1052           |            | COOP, WXSVC   |
| YAKIMA AIR TERMINAL | 1996-04-01 | 2011-04-13 | 46° 34'  | -120° 32' | 1064           |            | ASOS, COOP    |
| YAKIMA AIR TERMINAL | 1972-12-01 | 1987-11-01 | 46° 34'  | -120° 31' | 1052           |            | COOP, WXSVC   |
| YAKIMA AIR TERMINAL | 2011-04-13 | Present    | 46° 34'  | -120° 32' | 1064           |            | ASOS, COOP    |
| YAKIMA MUNICIPAL AP | 1948-01-01 | 1968-01-01 | 46° 34'  | -120° 31' | 1063           |            | AIRWAYS, COOP |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP  | 1937-08-01 | 1982-01-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| EVAP    | 1982-01-01 | 1987-11-01 | DAILY     | 0800                |             |                           |                    |
| TEMP    | 1987-11-01 | 1995-07-01 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1987-11-01 | 1995-07-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| EVAP    | 1995-07-01 | 1996-04-01 | DAILY     | 0730                | MONEL (H)   |                           |                    |
| TEMP    | 1995-07-01 | 1996-04-01 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 2011-04-13 | Present    | HOURLY    | 2400                | AWPAG       | SHLD; RCRD; HTD           |                    |
| TEMP    | 1937-08-01 | 1982-01-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1995-07-01 | 1996-04-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1996-04-01 | 2007-08-08 | HOURLY    | 2400                | TB          | RCRD                      |                    |
| WIND    | 2007-08-08 | 2011-04-13 | HOURLY    | 2400                | UNKN        |                           |                    |
| PRECIP  | 1909-03-01 | 1930-10-31 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 1909-03-01 | 1930-10-31 | DAILY     | 2400                |             |                           |                    |
| TEMP    | 1982-01-01 | 1987-11-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1987-11-01 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| EVAP    | 1996-04-01 | 1998-01-30 | DAILY     | 0730                | MONEL (H)   |                           |                    |
| PRECIP  | 1982-01-01 | 1987-11-01 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1996-04-01 | 2007-08-08 | DAILY     | 2400                | TB          | RCRD                      |                    |
| WIND    | 1996-04-01 | 2007-08-08 | HOURLY    | 2400                | UNKN        |                           |                    |
| EVAP    | 1909-03-01 | 1930-10-31 | DAILY     | 0800                |             |                           |                    |
| WIND    | 2011-04-13 | Present    | HOURLY    | 2400                | UNKN        |                           |                    |
| EVAP    | 1937-08-01 | 1982-01-01 | DAILY     | 0800                |             |                           |                    |
| PRECIP  | 1995-07-01 | 1996-04-01 | HOURLY    | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 2007-08-08 | 2011-04-13 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 2007-08-08 | 2011-04-13 | HOURLY    | 2400                | TB          | RCRD                      |                    |
| PRECIP  | 1982-01-01 | 1987-11-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| EVAP    | 1987-11-01 | 1995-07-01 | DAILY     | 0730                | MONEL (H)   |                           |                    |
| PRECIP  | 2007-08-08 | 2011-04-13 | DAILY     | 2400                | TB          | RCRD                      |                    |
| TEMP    | 1996-04-01 | 2007-08-08 | DAILY     | 2400                | HYGR        |                           |                    |
| EVAP    | 1996-04-01 | 1998-01-30 | DAILY     | 0730                | TOTAL       |                           |                    |
| PRECIP  | 2011-04-13 | Present    | DAILY     | 2400                | PCPNX       | SHLD                      |                    |
| TEMP    | 2011-04-13 | Present    | DAILY     | 2400                | ATEMP       |                           |                    |

\* 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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