

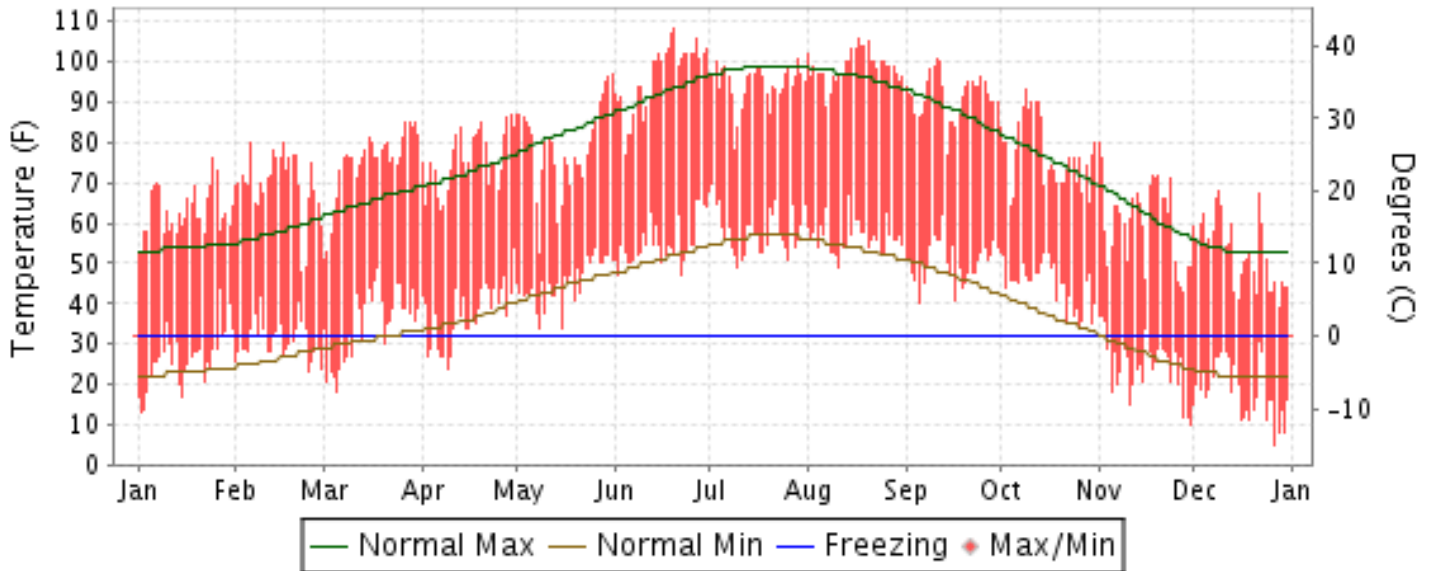


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

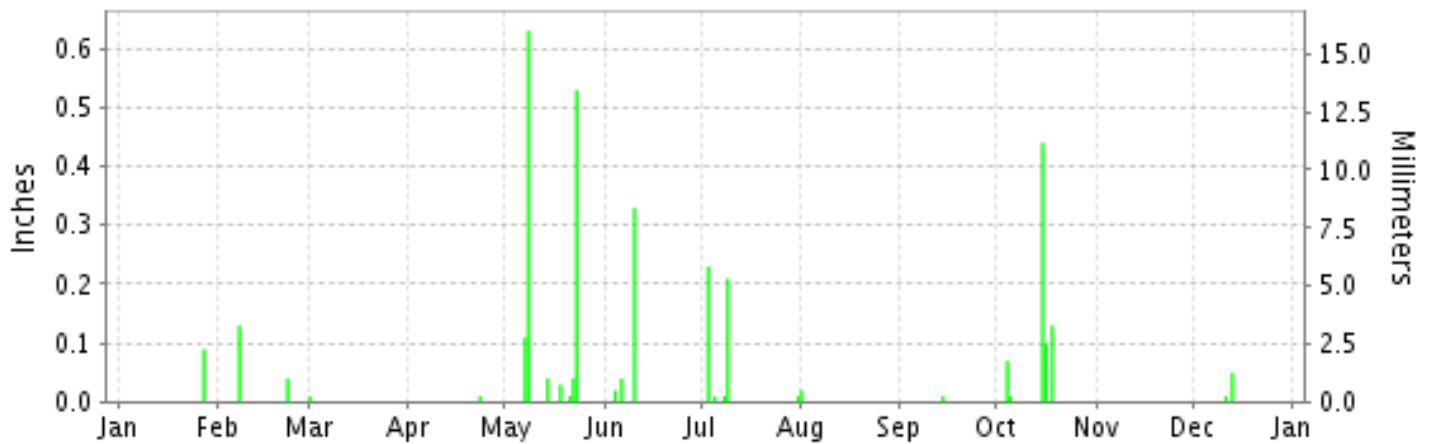
ISSN 0198-0866

## BISHOP, CALIFORNIA (KBIH)

### 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

## BISHOP (KBIH)

LATITUDE:  
37° 22'N

LONGITUDE:  
118° 21'W

ELEVATION (FT):  
GRND: 4102 BARO: 4112

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 23157

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |  |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|--|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 62.6  | 69.7  | 74.8  | 75.5  | 79.0  | 96.5  | 94.4  | 98.7  | 91.6  | 77.3  | 60.3  | 52.5   | 77.7      |  |
|                      | HIGHEST DAILY MAXIMUM       | 76    | 80    | 85    | 87    | 97    | 108   | 101   | 106   | 101   | 93    | 80    | 68     | 108       |  |
|                      | DATE OF OCCURRENCE          | 25    | 16+   | 30+   | 29    | 31    | 20    | 29    | 17    | 11    | 09    | 01    | 09     | JUN 20    |  |
|                      | MEAN DAILY MINIMUM          | 26.5  | 31.0  | 35.3  | 37.5  | 45.4  | 55.2  | 58.3  | 56.7  | 50.4  | 45.0  | 24.8  | 18.3   | 40.4      |  |
|                      | LOWEST DAILY MINIMUM        | 13    | 23    | 18    | 24    | 34    | 47    | 49    | 49    | 40    | 34    | 10    | 5      | 5         |  |
|                      | DATE OF OCCURRENCE          | 02    | 24    | 05    | 09    | 15+   | 22+   | 10    | 11    | 05    | 26    | 30    | 27     | DEC 27    |  |
|                      | AVERAGE DRY BULB            | 44.6  | 50.3  | 55.0  | 56.5  | 62.2  | 75.9  | 76.4  | 77.7  | 71.0  | 61.2  | 42.6  | 35.4   | 59.1      |  |
|                      | MEAN WET BULB               | 33.7  |       | 39.9  | 40.5  | 47.9  | 54.3  | 57.3  | 54.9  | 51.2  | 48.6  | 31.5  | 27.1   |           |  |
|                      | MEAN DEW POINT              | 19.0  | 17.3  | 16.6  | 14.4  | 32.0  | 31.3  | 41.4  | 32.1  | 30.5  | 36.8  | 15.1  | 12.5   | 24.9      |  |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 5     | 24    | 27    | 30    | 22    | 4     | 0     | 0      | 112       |  |
| MAXIMUM <= 32°       | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |           |  |
| MINIMUM <= 32°       | 26                          | 18    | 11    | 7     | 0     | 0     | 0     | 0     | 0     | 0     | 26    | 31    | 119    |           |  |
| MINIMUM <= 0°        | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |           |  |
| H/C                  | HEATING DEGREE DAYS         | 626   | 403   | 300   | 250   | 127   | 0     | 0     | 0     | 5     | 144   | 665   | 911    | 3431      |  |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 4     | 47    | 334   | 362   | 403   | 195   | 31    | 0     | 0      | 1376      |  |
| RH                   | MEAN (PERCENT)              | 43    | 33    | 26    | 22    | 39    | 25    | 33    | 22    | 26    | 46    | 39    | 44     | 33        |  |
|                      | HOUR 04 LST                 | 61    | 50    | 45    | 39    | 64    | 46    | 58    | 42    | 45    | 66    | 58    | 59     | 53        |  |
|                      | HOUR 10 LST                 | 30    | 23    | 17    | 13    | 24    | 14    | 21    | 12    | 15    | 32    | 23    | 29     | 21        |  |
|                      | HOUR 16 LST                 | 27    | 19    | 13    | 12    | 25    | 15    | 19    | 10    | 14    | 32    | 27    | 34     | 21        |  |
|                      | HOUR 22 LST                 | 50    | 37    | 31    | 27    | 45    | 29    | 39    | 24    | 30    | 55    | 47    | 50     | 39        |  |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0         |  |
|                      | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 0     | 1     | 2     | 1     | 0     | 2     | 0     | 0      | 6         |  |
| PR                   | MEAN STATION PRESS. (IN.)   | 25.96 |       | 25.87 | 25.73 | 25.68 | 25.74 | 25.78 | 25.78 | 25.76 | 25.83 | 25.82 | 25.82  |           |  |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 30.19 | 30.04 | 30.02 | 29.86 | 29.79 | 29.81 | 29.86 | 29.84 | 29.84 | 29.97 | 30.03 | 30.06  | 29.94     |  |
| WINDS                | RESULTANT SPEED (MPH)       | 3.4   | 3.2   | 2.2   | 4.2   | 0.9   | 1.1   | 1.7   | 2.0   | 2.1   | 2.3   | 5.3   | 4.5    | 1.8       |  |
|                      | RES. DIR. (TENS OF DEGS.)   | 34    | 33    | 32    | 34    | 28    | 28    | 18    | 18    | 18    | 34    | 34    | 34     | 33        |  |
|                      | MEAN SPEED (MPH)            | 6.7   | 7.5   | 7.4   | 10.5  | 8.5   | 8.3   | 7.9   | 8.5   | 7.7   | 7.3   | 8.3   | 7.3    | 8.0       |  |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 33    | 31    | 33    | 36    | 34    | 31    | 16    | 16    | 16    | 32    | 34    | 34     | 34        |  |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | SPEED (MPH)                 | 33    | 31    | 28    | 41    | 35    | 39    | 43    | 38    | 29    | 38    | 32    | 41     | 43        |  |
|                      | DIR. (TENS OF DEGS.)        | 15    | 36    | 36    | 35    | 02    | 16    | 15    | 35    | 16    | 27    | 36    | 36     | 15        |  |
|                      | DATE OF OCCURRENCE          | 26    | 21    | 24    | 14    | 04    | 09    | 01    | 07    | 25    | 01    | 16    | 11     | JUL 01    |  |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | SPEED (MPH)                 | 42    | 42    | 36    | 61    | 48    | 51    | 57    | 47    | 39    | 55    | 43    | 49     | 61        |  |
| DIR. (TENS OF DEGS.) | 15                          | 01    | 36    | 11    | 03    | 16    | 15    | 36    | 17    | 27    | 01    | 36    | 11     |           |  |
| DATE OF OCCURRENCE   | 26                          | 21    | 03    | 19    | 04    | 09    | 18    | 07    | 25    | 01    | 16    | 11    | APR 19 |           |  |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | TOTAL (IN.)                 | 0.09  | 0.17  | 0.01  | 0.01  | 1.39  | 0.39  | 0.47  | 0.02  | 0.01  | 0.75  | T     | 0.06   | 3.37      |  |
|                      | GREATEST 24-HOUR (IN.)      | 0.09  | 0.13  | 0.01  | 0.01  | 0.72  | 0.33  | 0.23  | 0.02  | 0.01  | 0.54  | T     | 0.05   | 0.72      |  |
|                      | DATE OF OCCURRENCE          | 27    | 07    | 01    | 23    | 07-08 | 10    | 03    | 01    | 14    | 15-16 | 03+   | 13     | MAY 07-08 |  |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | PRECIPITATION 0.01          | 1     | 2     | 1     | 1     | 7     | 3     | 5     | 1     | 1     | 5     | 0     | 2      | 29        |  |
| PRECIPITATION 0.10   | 0                           | 1     | 0     | 0     | 3     | 1     | 2     | 0     | 0     | 3     | 0     | 0     | 10     |           |  |
| PRECIPITATION 1.00   | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |           |  |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
|                      | TOTAL (IN.)                 | 0.0   | 0.0   | T     | 0.0   | T     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T      | T         |  |
|                      | GREATEST 24-HOUR (IN.)      | 0.0   | 0.0   | T     | 0.0   | T     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T      | T         |  |
|                      | DATE OF OCCURRENCE          |       |       | 01    |       | 08    |       |       |       |       |       |       | 28     | DEC 28    |  |
|                      | MAXIMUM SNOW DEPTH (IN.)    | 0     | 0     | 0     | 0     | T     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | T         |  |
|                      | DATE OF OCCURRENCE          |       |       |       |       | 08    |       |       |       |       |       |       |        | MAY 08    |  |
| NUMBER OF DAYS WITH: |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |  |
| SNOWFALL >= 1.0      | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |           |  |

# NORMALS, MEANS, AND EXTREMES BISHOP (KBIH)

LATITUDE:  
37° 22'N

LONGITUDE:  
118° 21'W

ELEVATION (FT):  
GRND: 4102 BARO: 4112

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 23157

|  | ELEMENT   | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |          |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|----------|
| TEMPERATURE °F                           | NORMAL DAILY MAXIMUM                              | 30   | 54.0  | 57.9  | 65.5  | 72.7  | 82.4  | 92.0  | 98.4  | 96.3  | 88.2  | 76.1  | 62.6  | 53.3     | 75.0     |          |
|  | MEAN DAILY MAXIMUM                                | 68   | 53.6  | 58.1  | 64.4  | 71.9  | 80.9  | 91.1  | 97.7  | 95.6  | 88.1  | 76.5  | 63.1  | 54.1     | 74.6     |          |
|  | HIGHEST DAILY MAXIMUM                             | 68   | 77    | 81    | 87    | 93    | 102   | 109   | 110   | 107   | 101   | 97    | 84    | 78       | 110      |          |
|  | YEAR OF OCCURRENCE                                |      | 1948  | 2014  | 1966  | 1989  | 2003  | 2013  | 2002  | 1993  | 2015  | 1980  | 1988  | 1958     | 1958     | JUL 2002 |
|  | MEAN OF EXTREME MAXS.                             | 68   | 67.5  | 70.8  | 77.1  | 85.3  | 93.8  | 102.0 | 105.0 | 103.3 | 98.0  | 88.4  | 77.1  | 68.4     | 86.4     |          |
|  | NORMAL DAILY MINIMUM                              | 30   | 23.0  | 26.5  | 31.2  | 36.3  | 44.2  | 51.0  | 56.2  | 53.8  | 47.0  | 37.4  | 27.8  | 22.1     | 38.0     |          |
|  | MEAN DAILY MINIMUM                                | 68   | 21.9  | 25.9  | 30.3  | 36.1  | 43.8  | 50.9  | 56.3  | 53.7  | 46.9  | 37.4  | 27.5  | 21.8     | 37.7     |          |
|  | LOWEST DAILY MINIMUM                              | 68   | -7    | -2    | 9     | 15    | 25    | 25    | 34    | 37    | 26    | 16    | 5     | -8       | -8       |          |
|  | YEAR OF OCCURRENCE                                |      | 1982  | 1969  | 2007  | 1953  | 2010  | 2011  | 1987  | 1959  | 1986  | 1970  | 1958  | 1990     | 1990     | DEC 1990 |
|  | MEAN OF EXTREME MINS.                             | 68   | 9.6   | 14.5  | 18.1  | 24.1  | 32.2  | 39.3  | 47.0  | 44.4  | 36.9  | 25.9  | 15.5  | 9.8      | 26.4     |          |
|  | NORMAL DRY BULB                                   | 30   | 38.5  | 42.2  | 48.3  | 54.5  | 63.3  | 71.5  | 77.3  | 75.0  | 67.6  | 56.8  | 45.2  | 37.7     | 56.5     |          |
|  | MEAN DRY BULB                                     | 67   | 37.8  | 42.0  | 47.4  | 54.0  | 62.4  | 71.1  | 77.0  | 74.7  | 67.5  | 57.0  | 45.3  | 37.9     | 56.2     |          |
|  | MEAN WET BULB                                     | 32   | 27.8  | 29.7  | 32.4  | 35.2  | 41.0  | 45.6  | 51.9  | 49.1  | 44.5  | 38.3  | 31.0  | 26.5     | 37.8     |          |
|  | MEAN DEW POINT                                    | 32   | 23.5  | 24.4  | 26.3  | 28.5  | 34.1  | 38.9  | 43.9  | 43.0  | 38.2  | 31.2  | 24.8  | 21.1     | 31.5     |          |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30   | 0.0   | 0.0   | 0.0   | 0.5   | 6.7   | 19.7  | 29.3  | 28.0  | 14.4  | 1.2   | 0.0   | 0.0      | 99.8     |          |
|  | MAXIMUM <= 32                                     | 30   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2      | 0.4      |          |
|  | MINIMUM <= 32                                     | 30   | 28.9  | 22.3  | 16.4  | 7.3   | 1.1   | 0.1   | 0.0   | 0.0   | 0.3   | 5.8   | 22.8  | 28.8     | 133.8    |          |
| MINIMUM <= 0                             | 30  | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1      |          |          |
| H/C                                      | NORMAL HEATING DEG. DAYS                          | 30   | 822   | 638   | 516   | 319   | 116   | 19    | 1     | 1     | 41    | 264   | 594   | 846      | 4177     |          |
|  | NORMAL COOLING DEG. DAYS                          | 30   | 0     | 0     | 0     | 4     | 64    | 214   | 382   | 313   | 119   | 8     | 0     | 0        | 1104     |          |
| RH                                       | NORMAL (PERCENT)                                  | 30   |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
|  | HOUR 04 LST                                       | 30   |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
|  | HOUR 10 LST                                       | 30   | 52    | 45    | 34    | 25    | 23    | 20    | 20    | 22    | 25    | 28    | 36    | 45       | 31       |          |
|  | HOUR 16 LST                                       | 30   | 36    | 29    | 23    | 18    | 19    | 15    | 15    | 15    | 17    | 19    | 27    | 35       | 22       |          |
|  | HOUR 22 LST                                       | 30   |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
| S  | PERCENT POSSIBLE SUNSHINE                         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
| W/O                                      | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 33   | 0.3   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4      | 0.9      |          |
|  | THUNDERSTORMS                                     | 35   | 0.0   | 0.0   | 0.1   | 0.0   | 0.2   | 0.3   | 1.0   | 0.4   | 0.2   | 0.2   | 0.0   | 0.0      | 2.4      |          |
| CLOUDINESS                               | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   |      |       |       |       |       | 3.2   | 1.6   |       |       |       |       |       |          |          |          |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         |      |       |       |       |       | 3.2   | 1.6   |       |       |       | 0.0   |       |          |          |          |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      |      |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
|  | PARTLY CLOUDY<br>CLOUDY                           |      |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
| PR                                       | MEAN STATION PRESSURE(IN)                         | 32   | 25.89 | 25.82 | 25.79 | 25.75 | 25.73 | 25.73 | 25.79 | 25.79 | 25.79 | 25.83 | 25.87 | 25.88    | 25.81    |          |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 32   | 30.13 | 30.04 | 29.96 | 29.89 | 29.84 | 29.81 | 29.86 | 29.87 | 29.90 | 29.98 | 30.07 | 30.13    | 29.96    |          |
| WINDS                                    | MEAN SPEED (MPH)                                  | 32   | 7.2   | 8.1   | 9.7   | 9.9   | 9.2   | 8.4   | 8.1   | 8.0   | 7.6   | 7.6   | 7.3   | 6.9      | 8.2      |          |
|  | PREVAIL.DIR.(TENS OF DEGS)                        | 21   | 32    | 36    | 36    | 36    | 36    | 36    | 16    | 16    | 17    | 33    | 34    | 36       | 36       |          |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 20   | 41    | 46    | 46    | 44    | 43    | 44    | 43    | 43    | 39    | 44    | 45    | 48       | 48       |          |
|  | DIR. (TENS OF DEGS)                               |      | 35    | 22    | 36    | 01    | 35    | 35    | 15    | 14    | 36    | 35    | 35    | 36       | 36       |          |
|  | YEAR OF OCCURRENCE                                |      | 2000  | 2001  | 2012  | 2007  | 2014  | 1998  | 2015  | 2013  | 2011  | 2009  | 2011  | 2014     | DEC 2014 |          |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 20   | 53    | 67    | 58    | 62    | 63    | 59    | 57    | 56    | 59    | 61    | 60    | 61       | 67       |          |
|  | DIR. (TENS OF DEGS)                               |      | 35    | 23    | 35    | 35    | 34    | 36    | 15    | 14    | 01    | 35    | 36    | 29       | 23       |          |
| YEAR OF OCCURRENCE                       |   | 2000 | 2001  | 2012  | 2011  | 2012  | 2013  | 2015  | 2013  | 2011  | 2009  | 2011  | 2006  | FEB 2001 |          |          |
| PRECIPITATION                            | NORMAL (IN)                                       | 30   | 1.05  | 0.85  | 0.53  | 0.26  | 0.19  | 0.19  | 0.17  | 0.13  | 0.19  | 0.30  | 0.52  | 0.80     | 5.18     |          |
|  | MAXIMUM MONTHLY (IN)                              | 66   | 8.93  | 6.01  | 2.94  | 2.26  | 1.39  | 1.31  | 1.47  | 0.64  | 1.28  | 1.77  | 2.59  | 5.79     | 8.93     |          |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1969  | 1991  | 1956  | 2015  | 1998  | 1976  | 1983  | 1994  | 2009  | 1960  | 1966     | JAN 1969 |          |
|  | MINIMUM MONTHLY (IN)                              | 67   | 0.00  | T     | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00     | 0.00     |          |
|  | YEAR OF OCCURRENCE                                |      | 1976  | 2013  | 1972  | 1973  | 1983  | 1981  | 1982  | 1980  | 1974  | 1973  | 1976  | 1975     | MAY 1983 |          |
|  | MAXIMUM IN 24 HOURS (IN)                          | 67   | 4.00  | 3.64  | 1.79  | 1.58  | 0.95  | 0.72  | 3.19  | 0.46  | 1.25  | 1.77  | 1.79  | 3.37     | 4.00     |          |
|  | YEAR OF OCCURRENCE                                |      | 2008  | 1969  | 1995  | 1982  | 1953  | 1982  | 2013  | 1977  | 1994  | 2009  | 1950  | 2010     | JAN 2008 |          |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30   | 3.9   | 4.0   | 2.9   | 1.9   | 1.7   | 1.5   | 1.7   | 1.5   | 1.7   | 1.5   | 2.3   | 3.0      | 27.6     |          |
| PRECIPITATION >= 1.00                    | 30  | 0.1  | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.0   | 0.2   | 0.6      |          |          |
| SNOWFALL                                 | NORMAL (IN)                                       | 30   | 4.1   | 0.1   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 1.3      | 6.8      |          |
|  | MAXIMUM MONTHLY (IN)                              | 52   | 23.2  | 31.9  | 14.5  | 8.8   | 2.3   | 0.0   | T     | 0.0   | 0.0   | 1.8   | 3.9   | 13.2     | 31.9     |          |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1969  | 1952  | 1956  | 1964  | 2014  | 2012  | 2011  | 2013  | 1978  | 1964  | 1967     | FEB 1969 |          |
|  | MAXIMUM IN 24 HOURS (IN)                          | 52   | 18.0  | 14.2  | 7.5   | 8.8   | 2.3   | 0.0   | 0.0   | 0.0   | T     | 1.8   | 3.9   | 6.7      | 18.0     |          |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1976  | 1952  | 1956  | 1964  |       |       |       | 1955  | 1978  | 1964  | 1967     | JAN 1969 |          |
|  | MAXIMUM SNOW DEPTH (IN)                           | 53   | 22    | 14    | 13    | 1     | 2     | 0     | 0     | 0     | 0     | 0     | 4     | 6        | 22       |          |
|  | YEAR OF OCCURRENCE                                |      | 1969  | 1976  | 1969  | 2011  | 1964  |       |       |       |       |       | 1964  | 1984     | JAN 1969 |          |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 0.8  | 0.1   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.6   | 1.9      |          |          |

**PRECIPITATION (inches) 2015 BISHOP (KBIH)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 0.86 | 3.04 | 1.00 | 0.65 | T    | 0.00 | 0.31 | 0.06 | 0.12 | 0.00 | 0.03 | 0.08 | 6.15   |
| 1987           | 0.42 | 0.31 | 0.03 | 0.04 | 0.54 | 0.16 | 0.18 | 0.03 | 0.01 | 0.13 | 1.67 | 0.60 | 4.12   |
| 1988           | 0.87 | 0.30 | 0.07 | 0.63 | 0.12 | 0.23 | T    | T    | 0.50 | 0.00 | 0.12 | 0.68 | 3.52   |
| 1989           | 0.06 | 0.12 | 0.04 | 0.00 | 1.04 | 0.04 | 0.00 | 0.01 | 0.24 | 0.00 | 0.26 | 0.00 | 1.81   |
| 1990           | 0.95 | 0.50 | 0.00 | 0.56 | 0.21 | 0.15 | 0.26 | 0.45 | 0.28 | 0.00 | 0.00 | 0.00 | 3.36   |
| 1991           | T    | 0.07 | 2.94 | 0.07 | T    | 0.02 | 0.00 | 0.00 | 0.21 | 0.69 | 0.00 | 0.58 | 4.58   |
| 1992           | 0.38 | 1.31 | 0.67 | 0.00 | 0.06 | 0.30 | 0.12 | 0.06 | 0.05 | 0.53 | 0.00 | 1.50 | 4.98   |
| 1993           | 2.03 | 2.62 | 0.91 | 0.00 | 0.04 | 0.00 | 0.00 | T    | 0.00 | 0.06 | 0.12 | 0.08 | 5.86   |
| 1994           | 0.04 | 1.33 | 0.57 | 0.03 | 0.54 | 0.00 | 0.00 | 0.00 | 1.28 | 0.24 | 0.05 | 0.25 | 4.33   |
| 1995           | 2.87 | 0.60 | 2.28 | 0.07 | 0.72 | 0.20 | 0.23 | 0.01 | T    | T    | 0.02 | 1.06 | 8.06   |
| 1996           | 0.38 | 1.85 | 0.79 | 0.43 | 0.02 | 0.00 | .12  | T    | T    | .77  | .78  | T    | 5.14   |
| 1997           |      | T    | 0.00 | 0.00 | 0.01 | 0.47 | 0.23 | T    | 0.24 | T    | 0.25 | 0.48 |        |
| 1998           | 0.55 | 5.16 | 0.85 | 0.28 | 0.57 | 1.31 | 0.01 | 0.03 | 0.28 | 0.17 | 0.01 | 0.06 | 9.28   |
| 1999           | 1.10 | 0.41 | 0.01 | 0.38 | 0.08 | 0.02 | 0.04 | 0.19 | 0.15 | 0.00 | 0.02 | 0.00 | 2.40   |
| 2000           | 0.30 | 0.98 | 0.29 | 0.45 | T    | T    | T    | 0.30 | 0.02 | 0.25 | 0.00 | 0.00 | 2.59   |
| 2001           | 0.79 | 1.40 | 0.37 | 0.41 | 0.12 | T    | 0.73 | T    | 0.00 | T    | 1.02 | 0.21 | 5.05   |
| 2002           | 0.03 | T    | 0.01 | 0.04 | 0.00 | T    | 0.05 | T    | 0.01 | T    | 1.68 | 0.86 | 2.68   |
| 2003           | 0.04 | 0.46 | 0.57 | 0.21 | T    | T    | T    | T    | T    | 0.00 | 0.88 | 0.30 | 2.46   |
| 2004           | 0.03 | 1.34 | 0.10 | 0.10 | T    | 0.05 | 0.02 | 0.01 | T    | 1.26 | 1.13 | 1.80 | 5.84   |
| 2005           | 3.78 | 0.83 | 1.23 | T    | 0.25 | 0.00 | 0.02 | 0.58 | 0.36 | 0.28 | T    | 2.16 | 9.49   |
| 2006           | 3.01 | 0.79 | 0.18 | 0.39 | 0.08 | 0.06 | 0.26 | 0.00 | 0.00 | 0.52 | 0.00 | 0.05 | 5.34   |
| 2007           | 0.35 | 0.12 | 0.03 | 0.17 | 0.00 | 0.00 | 0.39 | 0.17 | 0.22 | 0.01 | 0.03 | 0.37 | 1.86   |
| 2008           | 4.82 | 1.24 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.08 | T    | 0.70 | 0.61 | 7.75   |
| 2009           | 0.03 | 0.53 | 0.04 | 0.02 | 0.12 | 0.58 | 0.11 | 0.12 | 0.01 | 1.77 | 0.07 | 1.30 | 4.70   |
| 2010           | 1.28 | 0.39 | 0.02 | 0.39 | T    | 0.00 | 0.08 | T    | 0.00 | 1.33 | 0.28 | 5.37 | 9.14   |
| 2011           | 0.02 | 0.94 | 1.00 | 0.04 | 0.06 | 0.01 | 0.08 | T    | 0.16 | 0.74 | 0.14 | T    | 3.19   |
| 2012           | 1.43 | 0.05 | 0.29 | 0.23 | T    | 0.00 | T    | 0.25 | 0.00 | 0.42 | 0.04 | 0.77 | 3.48   |
| 2013           | T    | T    | T    | T    | 0.47 | T    | 0.48 | 0.16 | T    | 0.16 | 0.03 | 0.03 | 1.33   |
| 2014           | 0.20 | 1.71 | 0.04 | 0.07 | 0.24 | T    | 0.15 | 0.20 | 0.16 | T    | T    | 0.46 | 3.23   |
| 2015           | 0.09 | 0.17 | 0.01 | 0.01 | 1.39 | 0.39 | 0.47 | 0.02 | 0.01 | 0.75 | T    | 0.06 | 3.37   |
| POR=<br>68 YRS | 1.07 | 0.90 | 0.45 | 0.27 | 0.27 | 0.14 | 0.17 | 0.11 | 0.18 | 0.25 | 0.50 | 0.84 | 5.15   |

WBAN : 23157

**AVERAGE TEMPERATURE (°F) 2015 BISHOP (KBIH)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 42.3 | 44.0 | 50.0 | 53.0 | 62.8 | 72.1 | 73.3 | 75.6 | 60.6 | 53.9 | 45.6 | 38.1 | 55.9   |
| 1987           | 36.7 | 41.1 | 45.8 | 56.9 | 62.2 | 71.6 | 72.7 | 74.9 | 67.9 | 59.5 | 44.9 | 32.4 | 55.6   |
| 1988           | 36.8 | 44.9 | 49.0 | 53.8 | 61.1 | 70.4 | 79.2 | 75.1 | 66.4 | 61.8 | 45.3 | 34.6 | 56.5   |
| 1989           | 35.3 | 38.9 | 51.2 | 60.5 | 63.0 | 71.0 | 78.1 | 72.2 | 66.2 | 54.8 | 46.9 | 40.9 | 56.6   |
| 1990           | 38.2 | 39.1 | 50.5 | 58.2 | 61.3 | 71.7 | 77.7 | 73.3 | 67.8 | 57.7 | 45.8 | 31.6 | 56.1   |
| 1991           | 37.3 | 45.8 | 41.9 | 51.6 | 57.8 | 69.1 | 77.2 | 74.5 | 69.3 | 59.6 | 46.1 | 38.6 | 55.7   |
| 1992           | 37.5 | 44.0 | 47.5 | 59.0 | 66.6 | 68.6 | 74.7 | 76.3 | 69.1 | 60.2 | 43.5 | 34.3 | 56.8   |
| 1993           | 30.8 | 37.9 | 50.1 | 55.2 | 64.1 | 68.7 | 75.1 | 73.6 | 66.5 | 57.5 | 42.5 | 36.8 | 54.9   |
| 1994           | 39.9 | 37.7 | 51.0 | 55.6 | 62.4 | 73.9 | 79.8 | 76.8 | 65.5 | 54.5 | 37.2 | 36.9 | 55.9   |
| 1995           |      | 48.3 | 46.5 | 52.5 | 57.7 | 65.3 | 74.5 | 74.6 | 68.9 | 57.6 | 51.1 | 39.7 |        |
| 1996           | 40.5 | 43.5 | 48.4 |      | 63.7 | 72.4 | 78.8 | 76.4 | 66.1 | 55.1 | 45.1 | 39.8 |        |
| 1997           | 40.1 | 42.4 | 50.1 | 53.9 | 66.3 | 70.4 | 73.9 | 74.2 | 67.1 | 54.6 | 44.6 | 35.4 | 56.1   |
| 1998           | 39.2 | 38.1 | 47.1 | 49.2 | 54.1 | 65.5 | 75.7 | 76.2 | 66.9 | 52.7 | 43.4 | 37.3 | 53.8   |
| 1999           | 40.6 | 41.2 | 47.2 | 49.8 | 62.9 | 70.6 | 75.5 | 72.0 | 67.7 | 59.3 | 47.3 | 40.2 | 56.2   |
| 2000           | 39.7 | 42.5 | 48.1 | 57.4 | 66.3 | 73.8 | 75.1 | 75.0 | 66.5 | 55.1 | 39.9 | 40.3 | 56.6   |
| 2001           | 36.8 | 36.2 | 50.5 | 51.6 | 68.4 | 73.4 | 74.6 | 77.1 | 70.0 | 60.6 | 45.1 | 36.4 | 56.7   |
| 2002           | 36.6 | 44.0 | 45.0 | 55.5 | 63.0 | 74.7 | 79.8 | 75.0 | 68.1 | 55.5 | 46.5 | 36.6 | 56.7   |
| 2003           | 44.4 | 41.0 | 49.8 | 50.1 | 63.1 | 73.7 | 80.1 | 75.2 | 70.5 | 61.2 | 40.5 | 36.5 | 57.2   |
| 2004           | 37.1 | 39.5 | 55.0 | 55.5 | 63.7 | 72.3 | 77.3 | 73.7 | 65.7 | 53.8 | 43.5 | 40.3 | 56.5   |
| 2005           | 39.8 | 42.8 | 48.3 | 51.3 | 63.1 | 68.5 | 80.6 | 74.6 | 63.5 | 56.6 | 48.2 | 40.5 | 56.5   |
| 2006           | 35.1 | 42.9 | 41.4 | 54.1 | 64.6 | 73.8 | 79.7 | 72.7 | 65.7 | 54.7 | 47.0 | 38.1 | 55.8   |
| 2007           | 36.7 | 42.8 | 52.2 | 56.6 | 64.5 | 72.9 | 79.7 | 76.3 | 65.9 | 55.6 | 47.7 | 34.6 | 57.1   |
| 2008           | 35.4 | 42.0 | 48.3 | 53.7 | 60.9 | 70.9 | 78.1 | 76.7 | 67.2 | 56.3 | 49.9 | 34.0 | 56.1   |
| 2009           | 42.5 | 39.8 | 46.7 | 52.7 | 68.6 | 68.0 | 78.7 | 74.0 | 70.1 | 54.5 | 45.4 | 34.9 | 56.3   |
| 2010           | 36.7 | 41.3 | 45.8 | 49.9 | 56.0 | 72.7 | 79.4 | 74.0 | 68.6 | 57.2 | 43.6 | 40.4 | 55.5   |
| 2011           | 41.6 | 40.5 | 47.9 | 52.8 | 58.0 | 68.8 | 74.8 | 75.0 | 69.1 | 57.8 | 40.5 | 36.3 | 55.3   |
| 2012           | 39.4 | 41.7 | 47.9 | 55.5 | 64.5 | 71.2 | 75.1 | 77.7 | 69.6 | 57.6 | 45.4 | 35.8 | 56.8   |
| 2013           | 38.1 | 41.1 | 52.9 | 58.6 | 64.6 | 75.8 | 79.4 | 74.2 | 68.6 | 52.9 | 45.5 | 38.7 | 57.5   |
| 2014           | 44.9 | 46.1 | 50.7 | 57.8 | 64.6 | 74.6 | 79.8 | 74.4 | 71.3 | 61.1 | 48.4 | 40.2 | 59.5   |
| 2015           | 44.6 | 50.3 | 55.0 | 56.5 | 62.2 | 75.9 | 76.4 | 77.7 | 71.0 | 61.2 | 42.6 | 35.4 | 59.1   |
| POR=<br>67 YRS | 37.8 | 42.0 | 47.4 | 54.0 | 62.4 | 71.1 | 77.0 | 74.7 | 67.5 | 57.0 | 45.3 | 38.0 | 56.2   |

**HEATING DEGREE DAYS (base 65°F) 2015 BISHOP (KBIH)**

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC  | JAN  | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| 1987-88 | 15  | 0   | 1   | 187 | 597 | 1003 | 869  | 578 | 491 | 330 | 173 | 41  | 4285  |
| 1988-89 | 0   | 0   | 69  | 106 | 582 | 933  | 916  | 723 | 421 | 157 | 107 | 7   | 4021  |
| 1989-90 | 0   | 0   | 34  | 305 | 536 | 742  | 823  | 719 | 440 | 205 | 122 | 8   | 3934  |
| 1990-91 | 0   | 8   | 37  | 227 | 571 | 1029 | 852  | 530 | 711 | 391 | 225 | 3   | 4584  |
| 1991-92 | 0   | 1   | 6   | 200 | 559 | 813  | 845  | 602 | 536 | 186 | 23  | 36  | 3807  |
| 1992-93 | 0   | 0   | 0   | 146 | 638 | 947  | 1056 | 753 | 454 | 291 | 62  | 54  | 4401  |
| 1993-94 | 0   | 0   | 55  | 231 | 669 | 868  | 773  | 758 | 426 | 280 | 136 | 1   | 4197  |
| 1994-95 | 0   | 0   | 40  | 320 | 828 | 861  |      | 464 | 565 | 366 | 224 | 83  |       |
| 1995-96 | 0   | 0   | 18  | 223 | 411 | 773  | 751  | 615 | 508 |     | 64  | 8   |       |
| 1996-97 | 0   | 0   | 41  | 322 | 591 | 775  | 766  | 626 | 455 | 330 | 38  | 18  | 3962  |
| 1997-98 | 0   | 0   | 23  | 326 | 606 | 910  | 795  | 748 | 550 | 470 | 330 | 56  | 4814  |
| 1998-99 | 0   | 0   | 45  | 375 | 641 | 853  | 748  | 659 | 542 | 451 | 102 | 38  | 4454  |
| 1999-00 | 0   | 0   | 15  | 173 | 529 | 764  | 778  | 646 | 514 | 223 | 70  | 12  | 3724  |
| 2000-01 | 0   | 0   | 47  | 308 | 748 | 759  | 867  | 799 | 440 | 395 | 46  | 1   | 4410  |
| 2001-02 | 0   | 0   | 0   | 155 | 590 | 880  | 874  | 582 | 613 | 280 | 119 | 7   | 4100  |
| 2002-03 | 0   | 0   | 32  | 290 | 544 | 872  | 630  | 665 | 465 | 442 | 154 | 0   | 4094  |
| 2003-04 | 0   | 0   | 2   | 118 | 729 | 878  | 858  | 730 | 304 | 280 | 61  | 6   | 3966  |
| 2004-05 | 0   | 0   | 65  | 339 | 637 | 759  | 771  | 613 | 512 | 404 | 124 | 23  | 4247  |
| 2005-06 | 0   | 3   | 62  | 256 | 498 | 753  | 919  | 615 | 724 | 330 | 73  | 2   | 4235  |
| 2006-07 | 0   | 0   | 65  | 316 | 534 | 825  | 870  | 616 | 380 | 257 | 82  | 22  | 3967  |
| 2007-08 | 0   | 0   | 99  | 282 | 512 | 933  | 908  | 660 | 512 | 332 | 168 | 5   | 4411  |
| 2008-09 | 0   | 0   | 14  | 269 | 446 | 954  | 693  | 698 | 561 | 361 | 7   | 33  | 4036  |
| 2009-10 | 0   | 0   | 9   | 319 | 583 | 928  | 869  | 658 | 590 | 448 | 273 | 2   | 4679  |
| 2010-11 | 0   | 6   | 10  | 247 | 637 | 753  | 720  | 681 | 522 | 358 | 211 | 39  | 4184  |
| 2011-12 | 0   | 0   | 3   | 223 | 729 | 882  | 790  | 668 | 519 | 288 | 77  | 15  | 4194  |
| 2012-13 | 0   | 0   | 0   | 239 | 582 | 898  | 823  | 665 | 366 | 208 | 70  | 0   | 3851  |
| 2013-   | 0   | 0   | 56  | 367 | 580 | 805  |      |     |     |     |     |     |       |
| 2013-14 | 0   | 0   | 56  | 367 | 580 | 805  | 618  | 524 | 435 | 209 | 88  | 0   | 3682  |
| 2014-15 | 0   | 0   | 25  | 133 | 493 | 761  | 626  | 403 | 300 | 250 | 127 | 0   | 3118  |
| 2015-   | 0   | 0   | 5   | 144 | 665 | 911  |      |     |     |     |     |     |       |

WBAN : 23157

**COOLING DEGREE DAYS (base 65°F) 2015 BISHOP (KBIH)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1986 | 0   | 0   | 0   | 0   | 73  | 220 | 264 | 334 | 78  | 0   | 0   | 0   | 969   |
| 1987 | 0   | 0   | 0   | 1   | 35  | 208 | 264 | 313 | 94  | 24  | 0   | 0   | 939   |
| 1988 | 0   | 0   | 0   | 0   | 60  | 209 | 447 | 321 | 117 | 11  | 0   | 0   | 1165  |
| 1989 | 0   | 0   | 0   | 29  | 49  | 197 | 415 | 231 | 77  | 0   | 0   | 0   | 998   |
| 1990 | 0   | 0   | 0   | 7   | 11  | 216 | 401 | 273 | 129 | 8   | 0   | 0   | 1045  |
| 1991 | 0   | 0   | 0   | 0   | 10  | 136 | 388 | 302 | 140 | 39  | 0   | 0   | 1015  |
| 1992 | 0   | 0   | 0   | 14  | 81  | 153 | 306 | 359 | 128 | 7   | 0   | 0   | 1048  |
| 1993 | 0   | 0   | 0   | 4   | 42  | 170 | 320 | 275 | 106 | 9   | 0   | 0   | 926   |
| 1994 | 0   | 0   | 0   | 5   | 61  | 276 | 466 | 374 | 61  | 1   | 0   | 0   | 1244  |
| 1995 |     | 0   | 0   | 0   | 5   | 97  | 300 | 303 | 142 | 0   | 0   | 0   |       |
| 1996 | 0   | 0   | 0   |     | 31  | 236 | 437 | 360 | 82  | 20  | 0   | 0   |       |
| 1997 | 0   | 0   | 0   | 4   | 85  | 189 | 282 | 292 | 91  | 8   | 0   | 0   | 951   |
| 1998 | 0   | 0   | 0   | 0   | 0   | 77  | 339 | 352 | 110 | 0   | 0   | 0   | 878   |
| 1999 | 0   | 0   | 0   | 1   | 42  | 212 | 335 | 224 | 103 | 3   | 0   | 0   | 920   |
| 2000 | 0   | 0   | 0   | 1   | 119 | 282 | 320 | 316 | 100 | 7   | 0   | 0   | 1145  |
| 2001 | 0   | 0   | 0   | 0   | 159 | 260 | 305 | 383 | 156 | 24  | 0   | 0   | 1287  |
| 2002 | 0   | 0   | 0   | 3   | 62  | 305 | 468 | 314 | 133 | 0   | 0   | 0   | 1285  |
| 2003 | 0   | 0   | 0   | 0   | 102 | 267 | 475 | 323 | 176 | 7   | 0   | 0   | 1350  |
| 2004 | 0   | 0   | 0   | 0   | 27  | 234 | 391 | 275 | 93  | 0   | 0   | 0   | 1020  |
| 2005 | 0   | 0   | 0   | 0   | 74  | 137 | 490 | 308 | 27  | 3   | 0   | 0   | 1039  |
| 2006 | 0   | 0   | 0   | 13  | 66  | 269 | 458 | 247 | 92  | 4   | 0   | 0   | 1149  |
| 2007 | 0   | 0   | 0   | 12  | 72  | 266 | 463 | 360 | 136 | 0   | 0   | 0   | 1309  |
| 2008 | 0   | 0   | 0   | 0   | 49  | 190 | 411 | 370 | 86  | 6   | 0   | 0   | 1112  |
| 2009 | 0   | 0   | 0   | 0   | 124 | 129 | 433 | 284 | 170 | 0   | 0   | 0   | 1140  |
| 2010 | 0   | 0   | 0   | 0   | 0   | 239 | 457 | 293 | 124 | 11  | 0   | 0   | 1124  |
| 2011 | 0   | 0   | 0   | 0   | 2   | 160 | 311 | 317 | 133 | 6   | 0   | 0   | 929   |
| 2012 | 0   | 0   | 0   | 10  | 69  | 206 | 322 | 398 | 141 | 15  | 0   | 0   | 1161  |
| 2013 | 0   | 0   | 0   | 20  | 66  | 330 | 455 | 294 | 172 | 0   | 0   | 0   | 1337  |
| 2014 | 0   | 0   | 0   | 4   | 81  | 296 | 464 | 302 | 219 | 18  | 0   | 0   | 1384  |
| 2015 | 0   | 0   | 0   | 4   | 47  | 334 | 362 | 403 | 195 | 31  | 0   | 0   | 1376  |

**SNOWFALL (inches) 2015 BISHOP (KBIH)**

| 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 | 5.2 | 8.9  | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 14.5  |
| 1988-89        |     |     |     |     |     | 0.0 | 0.0  | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |       |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1  | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.1   |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |     | 0.0 | 0.0 | 0.0 |       |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     |      | 0.2 |     | 0.0 | 0.0 | 0.0 |       |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 15.8 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 25.1  |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.4  |     | 0.2 | T   | 0.0 | 0.0 |       |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 5.9  | 0.0 | T   | T   | 0.0 | 0.0 | 5.9   |
| 1995-96        | 0.0 | 0.0 | 0.0 |     | 0.0 |     |      |     |     |     |     |     |       |
| 1996-97        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 1997-98        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 1998-99        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 1999-00        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2000-01        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2001-02        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2002-03        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2003-04        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2004-05        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2005-06        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2006-07        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2007-08        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2008-09        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2009-10        |     |     |     |     |     |     |      |     |     |     |     |     |       |
| 2010-11        |     | 0.0 | 0.0 | 0.0 | T   | 1.3 | 0.4  | T   | T   | 0.8 | 0.0 | 0.0 |       |
| 2011-12        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6  | 0.3 | 0.0 | T   | 0.0 | 0.0 | 4.9   |
| 2012-13        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | T    | T   | 0.0 | 0.0 | 0.0 | 0.0 | 2.8   |
| 2013-          | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.5 |      |     |     |     |     |     |       |
| 2013-14        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.5 | T    | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.6   |
| 2014-15        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | T   | 0.0 | T   | 0.0 | T     |
| 2015-          | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   |      |     |     |     |     |     |       |
| POR=<br>53 YRS | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.2 | 3.6  | 1.4 | 0.7 | 0.3 | 0.1 | 0.0 | 7.6   |

WBAN : 23157

**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 BISHOP CALIFORNIA (KBIH)

Bishop is located on the floor of the Owens Valley, which is orientated north-northwest to the south-southeast. At the point Bishop is located at, the Owens Valley is 12 miles wide, level, and semi-arid. Peaks of the 12,000 to 14,500 foot Sierra Nevada are 25 miles west, and the 12,000 to 14,000 foot White Mountains are 10 miles east. The northern end of the valley is partly cut off by 6,000 to 8,000 foot mountains that are about 45 miles distant. The southern end of the valley makes a gradual descent to the Mojave Desert about 150 miles away. The official climate station for Bishop is located at the Municipal Airport about two and a half miles east of the town and about 1 mile west of the Owens River.

The dramatic drop in elevation, primarily from the Sierra Nevada to the valley floor, largely drives the weather experienced in the Owens Valley. The Sierra Nevada largely serves as a barrier to moisture moving in from the Pacific creating a "rain shadow" effect on the valley. Thus, many storms that move in from the Pacific are marked by just clouds and no precipitation. The precipitation that does fall from the passage of cold fronts and other winter disturbances is usually light, although periods of heavier intensity do occur. Most of the precipitation to fall at Bishop occurs between November and April. Winters with heavier precipitation often will see dry lakes and creeks fill with water. Snow typically occurs several times each winter on the Owens Valley floor; however, amounts from a single storm exceeding a foot are unusual.

Gusty winds occur in every month of the year. From the fall through the spring, when strong westerly winds aloft flow over the Sierra Nevada ahead of incoming storm systems they often result in wind being forced down the eastern slopes of the Sierra generating powerful westerly wind gusts. These gusts are most noted on the western side of the valley, with the occurrence often less at the Bishop climate station. At times, strong northerly winds blow, especially behind the passage of cold fronts during the months of February, March and April. East and west winds frequently give pronounced foehn effects and turbulence. During the summer and autumn, the heating difference between the Owens Valley and Mojave Desert causes an early morning and late evening northerly wind as air flows from higher pressure over the Owens Valley towards lower pressure over the Mojave Desert. Conversely, in the heat of the afternoon, it causes a southerly wind that is occasionally strong.

Bishop often records very large diurnal swings in temperature. Differences of over 50 degrees between the daytime high and the nighttime low have been observed. The hottest summer days at Bishop feature highs in the triple digits. In the winter, the coldest mornings feature low temperatures in the teens. Being on the lee of the Sierra, Bishop is not as protected from colder air seeping out of the Great Basin as areas just to the west of the Sierra, and as a result at least every other winter low temperatures drop into the single digits. Low temperatures below zero occur with the most extreme cold outbreaks.

In the summer months, occasional pushes of moisture into the region from the south result in thunderstorms developing over the Sierra Nevada and White Mountains. On days when the flow in the atmosphere can push these storms into the Owens Valley they bring gusty winds and sometimes rain. Otherwise the warmer season months feature abundant sunshine.

# Station History

BISHOP, CA

| NAME      | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform       |
|-----------|------------|------------|----------|-----------|----------------|------------|----------------|
| BISHOP AP | 1947-03-01 | 1948-12-31 | 37° 22'  | -118° 22' | 4111           |            | AIRWAYS, COOP  |
| BISHOP AP | 2010-01-23 | Present    | 37° 22'  | -118° 21' | 4102           |            | ASOS, COOP     |
| BISHOP AP | 1948-12-31 | 1973-01-01 | 37° 22'  | -118° 22' | 4111           |            | AIRWAYS        |
| BISHOP AP | 1943-02-01 | 1944-01-01 | 37° 22'  | -118° 25' | 4147           |            | AIRWAYS, COOP  |
| BISHOP AP | 1944-01-01 | 1945-01-01 | 37° 22'  | -118° 22' | 4114           |            | AIRWAYS, COOP  |
| BISHOP AP | 1943-01-01 | 1943-02-01 | 37° 22'  | -118° 25' | 4147           |            | AIRWAYS        |
| BISHOP AP | 1973-01-01 | 1981-12-31 | 37° 22'  | -118° 22' | 4111           |            | WXSVC          |
| BISHOP AP | 1945-01-01 | 1945-10-31 | 37° 22'  | -118° 25' | 4114           |            | AIRWAYS, COOP  |
| BISHOP AP | 1946-02-01 | 1946-12-31 | 37° 22'  | -118° 25' | 4124           |            | COOP, SYNOPTIC |
| BISHOP AP | 1993-02-01 | 1994-05-01 | 37° 22'  | -118° 22' | 4108           |            | COOP           |
| BISHOP AP | 1994-05-01 | 2010-01-23 | 37° 22'  | -118° 21' | 4102           |            | ASOS, COOP     |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| WIND    | 1994-05-01 | 1995-05-01 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| WIND    | 1995-07-01 | 1996-02-23 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| WIND    | 1996-02-23 | 1998-02-18 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| TEMP    | 1998-02-18 | 2001-08-23 | DAILY     | 2400                | HYGR        |                           |                    |
| WIND    | 2001-08-23 | 2005-10-27 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| PRECIP  | 2001-08-23 | 2005-10-27 | DAILY     | 2400                | PCPNX       |                           |                    |
| TEMP    | 1930-08-01 | 1945-10-31 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1994-05-01 | 1995-05-01 | HOURLY    | 2400                |             |                           |                    |
| WIND    | 1995-05-01 | 1995-07-01 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| TEMP    | 1995-07-01 | 1996-02-23 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1996-02-23 | 1998-02-18 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 2001-08-23 | 2005-10-27 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| TEMP    | 1946-02-01 | 1946-12-31 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1994-05-01 | 1995-05-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1995-07-01 | 1996-02-23 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1995-07-01 | 1996-02-23 | HOURLY    | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1947-03-01 | 1982-01-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1982-01-01 | 1994-05-01 | HOURLY    | 2400                |             |                           |                    |
| TEMP    | 1994-05-01 | 1995-05-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1995-05-01 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| TEMP    | 1996-02-23 | 1998-02-18 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 2005-10-27 | Present    | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| TEMP    | 1995-05-01 | 1995-07-01 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1946-02-01 | 1946-12-31 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| TEMP    | 1947-03-01 | 1982-01-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1982-01-01 | 1994-05-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1996-02-23 | 1998-02-18 | DAILY     | 2400                | TB          | RCRD                      |                    |
| TEMP    | 2001-08-23 | 2005-10-27 | DAILY     | 2400                | ATEMP       |                           |                    |
| WIND    | 2005-10-27 | Present    | HOURLY    | UNKN                | ANEMSONIC   |                           |                    |
| PRECIP  | 1930-08-01 | 1945-10-31 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 1995-05-01 | 1995-07-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |
| PRECIP  | 2005-10-27 | Present    | DAILY     | 2400                | PCPNX       |                           |                    |
| TEMP    | 1982-01-01 | 1994-05-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1998-02-18 | 2001-08-23 | DAILY     | 2400                | TB          | RCRD                      |                    |
| WIND    | 1998-02-18 | 2001-08-23 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| PRECIP  | 1998-02-18 | 2001-08-23 | HOURLY    | 2400                | TB          | RCRD                      |                    |
| TEMP    | 2005-10-27 | 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>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

NOAA/National Centers for Environmental Information

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

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