

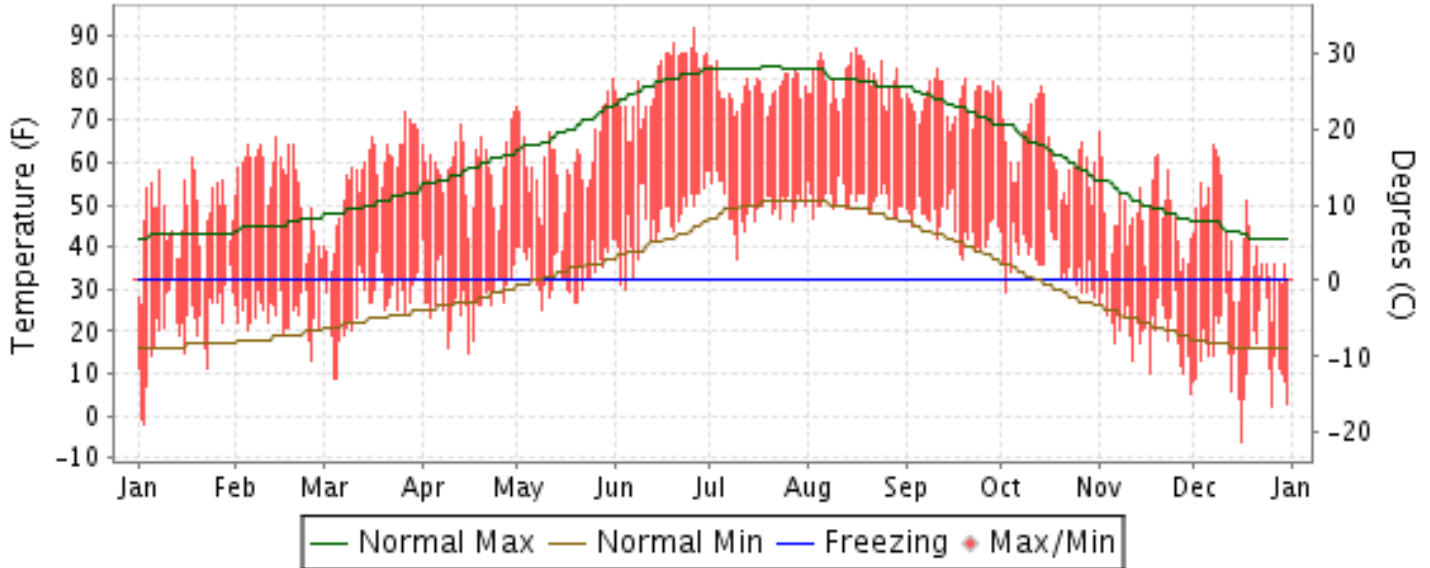


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

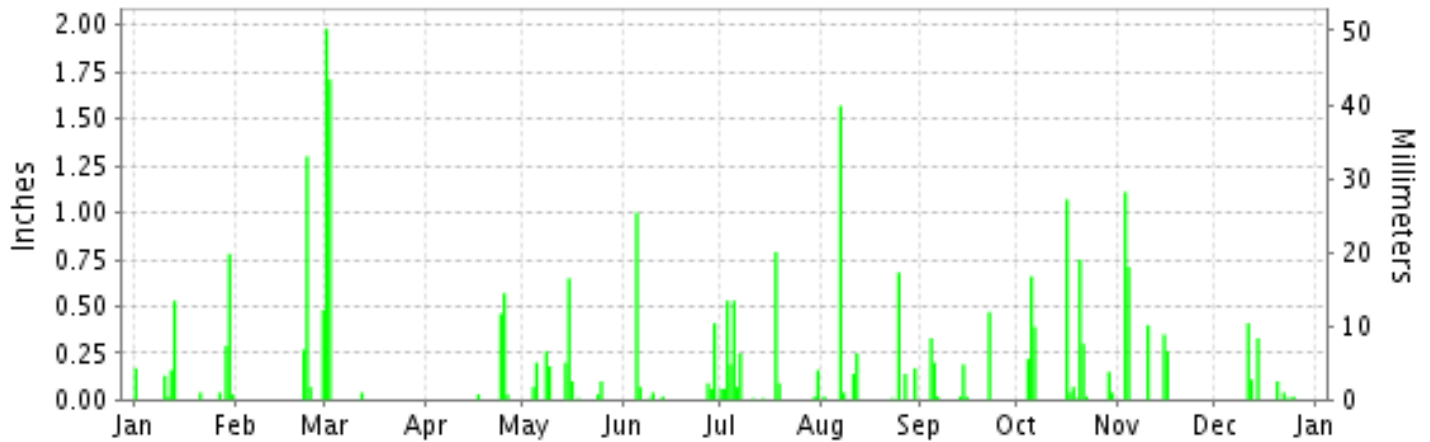
ISSN 0198-0564

## FLAGSTAFF, ARIZONA (KFLG)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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

*Thomas R. Karl*  
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# METEOROLOGICAL DATA FOR 2015

## FLAGSTAFF (KFLG)

LATITUDE: 35° 8'N      LONGITUDE: 111° 39'W      ELEVATION (FT): GRND: 7003 BARO: 7003      TIME ZONE: MOUNTAIN (UTC -7)      WBAN: 03103

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |   |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|---|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 46.9  | 55.2  | 57.5  | 58.9  | 61.1  | 79.7  | 77.6  | 79.8  | 75.3  | 63.0  | 47.6  | 41.6   | 62.0      |   |
|                      | HIGHEST DAILY MAXIMUM       | 61    | 66    | 72    | 72    | 80    | 92    | 84    | 87    | 82    | 78    | 67    | 64     | 92        |   |
|                      | DATE OF OCCURRENCE          | 18    | 14    | 27    | 30    | 31    | 26    | 03    | 16    | 11    | 14    | 01    | 07     | JUN 26    |   |
|                      | MEAN DAILY MINIMUM          | 21.0  | 24.3  | 26.5  | 27.8  | 34.1  | 46.2  | 49.8  | 51.3  | 45.4  | 36.7  | 20.6  | 14.2   | 33.2      |   |
|                      | LOWEST DAILY MINIMUM        | -2    | 13    | 9     | 15    | 25    | 30    | 37    | 47    | 37    | 28    | 5     | -6     | -6        |   |
|                      | DATE OF OCCURRENCE          | 03    | 25    | 05+   | 16    | 09    | 04    | 10    | 29+   | 19    | 31    | 30    | 16     | DEC 16    |   |
|                      | AVERAGE DRY BULB            | 34.0  | 39.7  | 42.0  | 43.4  | 47.6  | 63.0  | 63.7  | 65.5  | 60.4  | 49.9  | 34.1  | 27.9   | 47.6      |   |
|                      | MEAN WET BULB               | 28.7  | 31.1  | 33.6  | 33.8  | 40.3  |       | 54.3  | 55.7  | 50.9  | 43.2  | 28.6  | 23.1   |           |   |
|                      | MEAN DEW POINT              | 21.8  | 19.8  | 21.0  | 17.8  | 31.5  |       | 47.3  | 49.1  | 43.5  | 36.8  | 20.6  | 15.1   |           |   |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 0         | 1 |
|                      | MAXIMUM <= 32°              | 3     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 6      | 9         |   |
| MINIMUM <= 32°       | 30                          | 27    | 26    | 25    | 14    | 2     | 0     | 0     | 0     | 8     | 29    | 31    | 192    |           |   |
| MINIMUM <= 0°        | 2                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 3      |           |   |
| H/C                  | HEATING DEGREE DAYS         | 954   | 701   | 708   | 642   | 534   | 105   | 59    | 14    | 131   | 465   | 921   | 1141   | 6375      |   |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 0     | 0     | 50    | 26    | 39    | 0     | 0     | 0     | 0      | 115       |   |
| RH                   | MEAN (PERCENT)              | 68    | 53    | 50    | 42    | 59    | 45    | 61    | 62    | 61    | 68    | 64    | 65     | 58        |   |
|                      | HOUR 05 LST                 | 79    | 73    | 71    | 63    | 84    | 69    | 85    | 86    | 88    | 87    | 77    | 80     | 79        |   |
|                      | HOUR 11 LST                 | 51    | 32    | 31    | 28    | 43    | 26    | 41    | 42    | 36    | 50    | 44    | 46     | 39        |   |
|                      | HOUR 17 LST                 | 62    | 38    | 34    | 29    | 43    | 29    | 45    | 47    | 45    | 60    | 60    | 60     | 46        |   |
|                      | HOUR 23 LST                 | 78    | 66    | 62    | 53    | 73    | 59    | 77    | 78    | 76    | 81    | 75    | 75     | 71        |   |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 4     | 1     | 3     | 0     | 0     | 1     | 0     | 1     | 0     | 3     | 4     | 3      | 20        |   |
|                      | THUNDERSTORMS               | 0     | 0     | 0     | 1     | 2     | 4     | 7     | 11    | 4     | 3     | 2     | 0      | 34        |   |
| PR                   | MEAN STATION PRESS. (IN.)   | 23.32 | 23.26 | 23.30 | 23.18 | 23.20 | 23.32 | 23.37 | 23.39 | 23.35 | 23.30 | 23.21 | 23.17  | 23.28     |   |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 30.18 | 30.05 | 30.07 | 29.91 | 29.91 | 29.93 | 30.00 | 30.02 | 29.99 | 30.01 | 30.04 | 30.04  | 30.01     |   |
| WINDS                | RESULTANT SPEED (MPH)       | 2.7   | 2.9   | 1.1   | 4.9   | 5.9   | 4.3   | 4.6   | 2.4   | 3.3   | 1.0   | 3.5   | 3.7    | 2.9       |   |
|                      | RES. DIR. (TENS OF DEGS.)   | 08    | 22    | 19    | 22    | 22    | 22    | 22    | 22    | 21    | 15    | 21    | 22     | 22        |   |
|                      | MEAN SPEED (MPH)            | 5.2   | 6.5   | 6.1   | 8.3   | 7.3   | 5.9   | 5.9   | 4.9   | 5.4   | 5.5   | 7.5   | 7.2    | 6.3       |   |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 07    | 22    | 23    | 22    | 22    | 21    | 22    | 22    | 22    | 06    | 21    | 22     | 22        |   |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | SPEED (MPH)                 | 32    | 35    | 32    | 37    | 35    | 31    | 31    | 29    | 32    | 33    | 35    | 45     | 45        |   |
|                      | DIR. (TENS OF DEGS.)        | 06    | 22    | 21    | 23    | 21    | 21    | 22    | 22    | 22    | 22    | 21    | 22     | 22        |   |
|                      | DATE OF OCCURRENCE          | 22    | 22    | 02    | 14    | 14    | 04    | 09    | 07    | 15    | 01    | 25    | 25     | DEC 25    |   |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
| SPEED (MPH)          | 38                          | 51    | 43    | 49    | 49    | 43    | 38    | 36    | 39    | 41    | 47    | 63    | 63     |           |   |
| DIR. (TENS OF DEGS.) | 06                          | 21    | 22    | 21    | 21    | 21    | 22    | 20    | 22    | 03    | 23    | 03    | 03     |           |   |
| DATE OF OCCURRENCE   | 22                          | 22    | 02    | 14    | 14    | 03    | 09    | 07    | 16    | 30    | 10    | 26    | DEC 26 |           |   |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | TOTAL (IN.)                 | 2.19  | 2.12  | 3.73  | 1.09  | 1.80  | 1.70  | 2.77  | 3.02  | 1.25  | 3.72  | 2.83  | 1.03   | 27.25     |   |
|                      | GREATEST 24-HOUR (IN.)      | 1.00  | 1.53  | 2.08  | 0.67  | 0.66  | 1.07  | 0.88  | 1.60  | 0.53  | 1.08  | 1.51  | 0.52   | 2.08      |   |
|                      | DATE OF OCCURRENCE          | 29-30 | 22-23 | 01-02 | 24-25 | 14-15 | 05-06 | 18-19 | 07-08 | 04-05 | 16-17 | 03-04 | 11-12  | MAR 01-02 |   |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
| PRECIPITATION 0.01   | 10                          | 4     | 3     | 4     | 10    | 8     | 13    | 9     | 7     | 12    | 5     | 8     | 93     |           |   |
| PRECIPITATION 0.10   | 6                           | 3     | 2     | 2     | 7     | 2     | 6     | 6     | 4     | 7     | 5     | 4     | 54     |           |   |
| PRECIPITATION 1.00   | 0                           | 1     | 2     | 0     | 0     | 1     | 0     | 1     | 0     | 1     | 1     | 0     | 7      |           |   |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | TOTAL (IN.)                 | 10.7  | 9.2   | 17.3  | 0.8   | 5.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 14.6  | 12.9   | 71.4      |   |
|                      | GREATEST 24-HOUR (IN.)      | 6.0   | 6.5   | 8.4   | 0.5   | 4.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 9.9   | 6.6    | 9.9       |   |
|                      | DATE OF OCCURRENCE          | 13    | 23    | 02    | 26    | 09    |       |       |       |       |       | 04    | 14     | NOV 04    |   |
|                      | MAXIMUM SNOW DEPTH (IN.)    | 15    | 5     | 12    | T     | 4     | 0     | 0     | 0     | 0     | 0     | 6     | 6      | 15        |   |
|                      | DATE OF OCCURRENCE          | 01    | 25+   | 03    | 17    | 09    |       |       |       |       |       | 05    | 15     | JAN 01    |   |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
| SNOWFALL >= 1.0      | 3                           | 3     | 2     | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 3     | 4     | 17     |           |   |

# NORMALS, MEANS, AND EXTREMES FLAGSTAFF (KFLG)

LATITUDE: 35° 8'N      LONGITUDE: 111° 39'W      ELEVATION (FT): GRND: 7003 BARO: 7003      TIME ZONE: MOUNTAIN (UTC -7)      WBAN: 03103

| ELEMENT                                  |  | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |
|--|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F                           | NORMAL DAILY MAXIMUM                               | 30   | 42.5  | 44.8  | 50.4  | 58.2  | 68.1  | 77.9  | 81.2  | 78.4  | 72.9  | 62.0  | 50.5  | 42.5     | 60.8     |
|  | MEAN DAILY MAXIMUM                                 | 88   | 42.2  | 43.9  | 50.4  | 57.4  | 67.9  | 77.3  | 81.5  | 79.0  | 72.9  | 63.4  | 51.1  | 43.4     | 60.9     |
|  | HIGHEST DAILY MAXIMUM                              | 65   | 66    | 71    | 73    | 80    | 89    | 96    | 97    | 92    | 90    | 85    | 74    | 68       | 97       |
|  | YEAR OF OCCURRENCE                                 |      | 1971  | 1986  | 2007  | 1992  | 2002  | 2013  | 1973  | 1978  | 1950  | 1980  | 1977  | 1950     | JUL 1973 |
|  | MEAN OF EXTREME MAXS.                              | 90   | 57.2  | 59.3  | 64.5  | 71.9  | 80.0  | 88.5  | 90.1  | 87.3  | 82.9  | 75.8  | 66.4  | 58.9     | 73.6     |
|  | NORMAL DAILY MINIMUM                               | 30   | 17.3  | 19.3  | 23.6  | 28.5  | 35.0  | 41.9  | 50.9  | 50.1  | 42.0  | 31.5  | 22.9  | 16.8     | 31.7     |
|  | MEAN DAILY MINIMUM                                 | 88   | 15.4  | 17.7  | 22.5  | 27.7  | 34.3  | 41.3  | 51.0  | 49.8  | 41.7  | 31.5  | 22.3  | 16.7     | 31.0     |
|  | LOWEST DAILY MINIMUM                               | 65   | -22   | -23   | -16   | -2    | 0     | 22    | 32    | 24    | 23    | 23    | -2    | -13      | -23      |
|  | YEAR OF OCCURRENCE                                 |      | 1971  | 1985  | 1966  | 1975  | 1996  | 1955  | 1955  | 1968  | 1971  | 1971  | 1958  | 1990     | DEC 1990 |
|  | MEAN OF EXTREME MINS.                              | 90   | -3.8  | -0.2  | 5.2   | 14.6  | 22.6  | 29.7  | 41.2  | 40.8  | 30.3  | 19.0  | 6.2   | -2.6     | 16.9     |
|  | NORMAL DRY BULB                                    | 30   | 29.9  | 32.1  | 37.0  | 43.3  | 51.6  | 59.9  | 66.1  | 64.2  | 57.4  | 46.8  | 36.7  | 29.6     | 46.2     |
|  | MEAN DRY BULB                                      | 88   | 28.9  | 30.8  | 36.4  | 42.8  | 51.1  | 59.4  | 66.3  | 64.4  | 57.3  | 47.5  | 36.8  | 30.1     | 46.0     |
|  | MEAN WET BULB                                      | 31   | 22.4  | 24.6  | 26.9  | 29.9  | 35.6  | 40.5  | 51.2  | 52.1  | 45.0  | 35.2  | 26.7  | 22.3     | 34.4     |
|  | MEAN DEW POINT                                     | 31   | 19.4  | 20.8  | 23.8  | 26.1  | 30.5  | 33.6  | 46.1  | 49.1  | 41.5  | 31.5  | 23.4  | 18.6     | 30.4     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90             | 30   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 1.0   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0      | 1.5      |
| MAXIMUM <= 32                            | 30   | 3.6  | 2.0   | 0.9   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.5   | 3.8   | 11.2     |          |
| MINIMUM <= 32                            | 30   | 30.0 | 27.1  | 28.7  | 22.8  | 10.2  | 2.1   | 0.0   | 0.0   | 1.7   | 16.9  | 27.5  | 29.9  | 196.9    |          |
| MINIMUM <= 0                             | 30   | 1.3  | 0.7   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 1.4   | 3.7      |          |
| H/C                                      | NORMAL HEATING DEG. DAYS                           | 30   | 1088  | 923   | 868   | 649   | 417   | 170   | 32    | 56    | 229   | 566   | 849   | 1096     | 6943     |
|  | NORMAL COOLING DEG. DAYS                           | 30   | 0     | 0     | 0     | 0     | 0     | 17    | 64    | 33    | 3     | 0     | 0     | 0        | 117      |
| RH                                       | NORMAL (PERCENT)                                   | 30   | 64    | 64    | 60    | 48    | 44    | 35    | 49    | 60    | 56    | 54    | 58    | 63       | 55       |
|  | HOURLY 05 LST                                      | 30   | 75    | 76    | 74    | 67    | 64    | 54    | 68    | 77    | 75    | 71    | 70    | 72       | 70       |
|  | HOURLY 11 LST                                      | 30   | 53    | 50    | 45    | 35    | 30    | 23    | 34    | 40    | 39    | 39    | 44    | 49       | 40       |
|  | HOURLY 17 LST                                      | 30   | 51    | 47    | 44    | 33    | 31    | 22    | 36    | 44    | 37    | 36    | 43    | 49       | 39       |
|  | HOURLY 23 LST                                      | 30   | 71    | 70    | 67    | 56    | 50    | 40    | 57    | 69    | 67    | 64    | 65    | 68       | 62       |
| S  | PERCENT POSSIBLE SUNSHINE                          | 15   | 77    | 73    | 76    | 82    | 88    | 86    | 75    | 76    | 81    | 79    | 75    | 73       | 78       |
| W/O                                      | MEAN NO. DAYS WITH:<br>HEAVY FOG (VISIB <= 1/4 MI) | 47   | 3.5   | 3.0   | 2.2   | 1.7   | 0.3   | 0.0   | 0.2   | 0.5   | 0.6   | 1.0   | 1.4   | 3.3      | 17.7     |
|  | THUNDERSTORMS                                      | 51   | 0.1   | 0.3   | 0.9   | 1.0   | 2.7   | 2.9   | 13.0  | 13.6  | 6.4   | 1.9   | 0.5   | 0.1      | 43.4     |
| CLOUDINESS                               | MEAN:<br>SUNRISE-SUNSET (OKTAS)                    |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                          |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | MEAN NO. DAYS WITH:<br>CLEAR                       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|  | PARTLY CLOUDY<br>CLOUDY                            |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| PR                                       | MEAN STATION PRESSURE (IN)                         | 31   | 23.25 | 23.21 | 23.20 | 23.19 | 23.24 | 23.30 | 23.38 | 23.39 | 23.34 | 23.30 | 23.27 | 23.24    | 23.28    |
|  | MEAN SEA-LEVEL PRES. (IN)                          | 31   | 30.13 | 30.05 | 29.99 | 29.92 | 29.90 | 29.91 | 29.98 | 30.02 | 30.00 | 30.03 | 30.09 | 30.12    | 30.01    |
| WINDS                                    | MEAN SPEED (MPH)                                   | 31   | 5.9   | 6.4   | 6.6   | 7.7   | 7.4   | 6.9   | 5.0   | 4.2   | 4.9   | 5.4   | 6.0   | 5.9      | 6.0      |
|  | PREVAIL. DIR. (TENS OF DEGS)                       | 20   | 22    | 22    | 22    | 22    | 22    | 22    | 22    | 22    | 22    | 22    | 22    | 22       | 22       |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                   | 20   | 46    | 40    | 51    | 46    | 48    | 47    | 36    | 38    | 46    | 48    | 39    | 45       | 51       |
|  | DIR. (TENS OF DEGS)                                |      | 22    | 20    | 21    | 22    | 22    | 23    | 23    | 22    | 22    | 05    | 21    | 22       | 21       |
|  | YEAR OF OCCURRENCE                                 |      | 2005  | 2006  | 2009  | 2010  | 2011  | 2014  | 2013  | 2010  | 2013  | 2007  | 2011  | 2015     | MAR 2009 |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                    | 20   | 61    | 55    | 64    | 63    | 64    | 64    | 53    | 64    | 64    | 60    | 53    | 63       | 64       |
|  | DIR. (TENS OF DEGS)                                |      | 23    | 22    | 20    | 22    | 22    | 23    | 09    | 22    | 23    | 05    | 22    | 03       | 23       |
| YEAR OF OCCURRENCE                       |  | 2008 | 2012  | 2009  | 2013  | 2011  | 2007  | 2013  | 2005  | 2013  | 2007  | 2010  | 2015  | SEP 2013 |          |
| PRECIPITATION                            | NORMAL (IN)  | 30   | 2.05  | 2.16  | 2.12  | 1.15  | 0.63  | 0.36  | 2.61  | 3.11  | 2.38  | 1.66  | 1.76  | 1.87     | 21.86    |
|  | MAXIMUM MONTHLY (IN)                               | 65   | 9.55  | 10.05 | 6.75  | 5.62  | 4.14  | 2.92  | 7.57  | 8.06  | 6.75  | 9.86  | 6.64  | 7.30     | 10.05    |
|  | YEAR OF OCCURRENCE                                 |      | 1993  | 1993  | 1970  | 1965  | 1992  | 1955  | 2013  | 1986  | 1983  | 1972  | 1985  | 1967     | FEB 1993 |
|  | MINIMUM MONTHLY (IN)                               | 65   | 0.00  | T     | T     | T     | 0.00  | 0.00  | T     | 0.26  | 0.00  | T     | 0.00  | T        | 0.00     |
|  | YEAR OF OCCURRENCE                                 |      | 1972  | 1967  | 1972  | 2008  | 2002  | 1971  | 1993  | 1962  | 1995  | 1952  | 1999  | 1958     | MAY 2002 |
|  | MAXIMUM IN 24 HOURS (IN)                           | 65   | 3.43  | 4.48  | 2.96  | 1.79  | 1.11  | 2.79  | 2.55  | 3.04  | 3.43  | 2.73  | 3.69  | 3.75     | 4.48     |
|  | YEAR OF OCCURRENCE                                 |      | 2010  | 1993  | 1970  | 1985  | 1965  | 1956  | 1964  | 1986  | 1965  | 1972  | 1978  | 2004     | FEB 1993 |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01     | 30   | 7.6   | 8.1   | 8.2   | 5.8   | 4.5   | 2.7   | 11.6  | 14.0  | 7.9   | 5.5   | 4.9   | 7.0      | 87.8     |
| PRECIPITATION >= 1.00                    | 30   | 0.4  | 0.4   | 0.2   | 0.1   | 0.0   | 0.0   | 0.5   | 0.5   | 0.7   | 0.3   | 0.4   | 0.4   | 3.9      |          |
| SNOWFALL                                 | NORMAL (IN)  | 30   | 23.2  | 20.9  | 20.7  | 7.1   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 1.5   | 10.7  | 16.9     | 101.7    |
|  | MAXIMUM MONTHLY (IN)                               | 57   | 63.4  | 45.5  | 79.4  | 58.3  | 8.7   | T     | T     | 0.3   | 2.0   | 24.7  | 40.7  | 86.0     | 86.0     |
|  | YEAR OF OCCURRENCE                                 |      | 1980  | 1990  | 1991  | 1965  | 2008  | 2006  | 1992  | 1992  | 1965  | 1971  | 1985  | 1967     | DEC 1967 |
|  | MAXIMUM IN 24 HOURS (IN)                           | 57   | 23.1  | 23.1  | 26.3  | 17.2  | 6.6   | T     | T     | 0.3   | 2.0   | 13.5  | 19.6  | 27.3     | 27.3     |
|  | YEAR OF OCCURRENCE                                 |      | 1980  | 1987  | 1970  | 1977  | 1965  | 1993  | 1992  | 1992  | 1965  | 1974  | 1991  | 1967     | DEC 1967 |
|  | MAXIMUM SNOW DEPTH (IN)                            | 56   | 44    | 40    | 37    | 31    | 8     | 0     | 0     | 0     | T     | 11    | 23    | 66       | 66       |
|  | YEAR OF OCCURRENCE                                 |      | 2010  | 1979  | 1969  | 1973  | 1954  |       |       |       | 1965  | 1974  | 1975  | 1967     | DEC 1967 |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30   | 5.1  | 4.4   | 4.3   | 1.7   | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 2.2   | 4.1   | 22.2     |          |

**PRECIPITATION (inches) 2015 FLAGSTAFF (KFLG)**

| YEAR           | JAN  | FEB   | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|-------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 0.31 | 1.76  | 2.60 | 1.23 | 0.72 | 1.16 | 6.62 | 8.06 | 4.80 | 2.02 | 1.68 | 1.43 | 32.39  |
| 1987           | 2.51 | 2.54  | 1.69 | 0.21 | 0.70 | 0.25 | 1.93 | 3.74 | 1.49 | 4.64 | 2.91 | 1.37 | 23.98  |
| 1988           | 1.64 | 2.30  | 0.14 | 3.83 | 0.14 | 1.86 | 3.48 | 4.77 | 0.15 | 1.23 | 1.14 | 1.00 | 21.68  |
| 1989           | 1.84 | 1.35  | 2.08 | 0.01 | 0.62 | 0.23 | 2.28 | 3.40 | 0.30 | 1.28 | T    | 1.05 | 14.44  |
| 1990           | 1.54 | 3.20  | 2.17 | 2.32 | 0.73 | 0.24 | 4.32 | 1.71 | 6.18 | 0.49 | 1.09 | 1.68 | 25.67  |
| 1991           | 1.76 | 2.08  | 6.00 | T    | 0.14 | 0.59 | 1.04 | 1.64 | 0.26 | 1.12 | 4.47 | 2.73 | 21.83  |
| 1992           | 2.03 | 3.69  | 4.40 | 0.78 | 4.14 | 0.32 | 2.67 | 5.80 | T    | 3.64 | 0.46 | 6.78 | 34.71  |
| 1993           | 9.55 | 10.05 | 1.54 | 0.26 | 0.44 | 0.55 | T    | 4.19 | 1.95 | 3.29 | 3.02 | 0.76 | 35.60  |
| 1994           | 0.38 | 2.47  | 3.03 | 2.48 | 1.01 |      | 1.70 | 3.61 | 2.75 | 1.12 | 1.91 | 1.43 |        |
| 1995           | 2.39 | 3.77  | 3.99 | 1.49 | 0.44 | 0.06 | 0.61 | 2.30 | 0.00 | 0.01 | 0.31 | 0.35 | 15.72  |
| 1996           | 0.19 | 1.36  | 0.54 | 0.07 | T    | T    | 1.79 | 0.92 | 3.73 | 0.93 |      | 0.64 |        |
| 1997           | 3.21 | 0.99  | 0.03 | 0.60 | 0.08 | 0.18 | 0.21 | 2.83 | 3.68 | 1.15 | 0.80 | 1.85 | 15.61  |
| 1998           | 1.30 | 2.15  | 3.74 | 1.52 | 1.31 | 0.00 | 4.72 | 2.82 | 4.45 | 3.11 | 1.76 | 0.42 | 27.30  |
| 1999           | 0.28 | 0.48  | 0.53 | 2.80 | 0.42 | 0.95 | 3.27 | 2.45 | 4.54 | T    | 0.00 | T    | 15.72  |
| 2000           | 0.62 | 1.61  | 3.12 | 0.19 | 0.12 | 1.11 | 0.29 | 2.83 | 0.36 | 3.85 | 1.07 | 0.21 | 15.38  |
| 2001           | 2.60 | 1.68  | 1.28 | 1.40 | 0.82 | 0.03 | 2.80 | 3.46 | 0.68 | 1.21 | 0.43 | 1.16 | 17.55  |
| 2002           | 0.02 | 0.07  | 0.62 | 0.51 | 0.00 | 0.00 | 2.60 | 1.00 | 4.01 | 1.88 | 1.48 | 0.69 | 12.88  |
| 2003           | 0.14 | 2.75  | 1.13 | 0.44 | 0.73 | 0.04 | 3.40 | 3.03 | 2.62 | 0.14 | 2.51 | 0.92 | 17.85  |
| 2004           | 0.76 | 1.06  | 0.74 | 1.81 | 0.00 | 0.02 | 1.47 | 4.71 | 1.76 | 3.51 | 3.10 | 4.67 | 23.61  |
| 2005           | 6.58 | 4.19  | 2.43 | 2.15 | 0.08 | 0.40 | 2.51 | 3.41 | 0.46 | 1.59 | 0.20 | 0.01 | 24.01  |
| 2006           | 0.23 | 0.09  | 2.16 | 0.99 | 0.08 | 0.65 | 4.07 | 2.83 | 1.24 | 2.55 | 0.06 | 0.61 | 15.56  |
| 2007           | 1.20 | 0.81  | 0.51 | 0.38 | 0.14 | 0.01 | 2.86 | 2.56 | 2.90 | 0.38 | 1.38 | 4.33 | 17.46  |
| 2008           | 3.95 | 2.56  | 0.04 | T    | 1.17 | 0.02 | 2.35 | 2.40 | 0.69 | 0.21 | 1.29 | 4.17 | 18.85  |
| 2009           | 0.73 | 1.48  | 0.22 | 0.33 | 2.08 | 0.36 | 1.00 | 0.74 | 0.77 | 0.21 | 0.88 | 2.85 | 11.65  |
| 2010           | 5.60 | 1.81  | 1.31 | 0.57 | 0.10 | 0.09 | 5.94 | 3.56 | 0.79 | 2.93 | 1.79 | 3.40 | 27.89  |
| 2011           | 0.06 | 3.25  | 0.95 | 1.14 | 0.87 | 0.00 | 2.31 | 2.76 | 3.36 | 2.05 | 1.76 | 2.16 | 20.67  |
| 2012           | 0.42 | 0.99  | 1.81 | 1.24 | 0.00 | 0.00 | 3.45 | 2.59 | 0.26 | 1.03 | 1.02 | 2.08 | 14.89  |
| 2013           | 2.64 | 0.86  | 1.38 | 0.12 | 0.23 | 0.03 | 7.57 | 4.85 | 3.25 | 0.29 | 2.22 | 1.35 | 24.79  |
| 2014           | 0.17 | 0.43  | 1.24 | 1.25 | 0.12 | 0.00 | 4.32 | 5.31 | 3.10 | 0.69 | 0.60 | 3.44 | 20.67  |
| 2015           | 2.19 | 2.12  | 3.73 | 1.09 | 1.80 | 1.70 | 2.77 | 3.02 | 1.25 | 3.72 | 2.83 | 1.03 | 27.25  |
| POR=<br>88 YRS | 2.07 | 1.97  | 2.03 | 1.24 | 0.65 | 0.44 | 2.57 | 2.78 | 1.89 | 1.47 | 1.56 | 2.03 | 20.70  |

WBAN : 03103

**AVERAGE TEMPERATURE (°F) 2015 FLAGSTAFF (KFLG)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1986           | 37.0 | 34.2 | 39.7 | 44.1 | 52.0 | 61.2 | 64.0 | 65.7 | 53.0 | 43.5 | 37.6 | 30.2 | 46.9   |
| 1987           | 27.6 | 31.1 | 32.8 | 45.9 | 50.7 | 61.3 | 62.8 | 62.8 | 56.5 | 50.4 | 36.2 | 27.1 | 45.4   |
| 1988           | 29.1 | 34.2 | 37.4 | 44.0 | 50.8 | 61.5 | 67.4 | 64.3 | 55.9 | 52.5 | 36.9 | 27.9 | 46.8   |
| 1989           | 26.2 | 32.3 | 41.8 | 50.4 | 54.2 | 60.8 | 68.1 | 63.6 | 58.7 | 47.5 | 38.4 | 31.6 | 47.8   |
| 1990           | 28.6 | 29.3 | 38.3 | 46.1 | 50.3 | 64.4 | 66.9 | 62.6 | 59.8 | 48.9 | 37.6 | 25.1 | 46.5   |
| 1991           | 30.5 | 37.2 | 32.2 | 43.1 | 49.4 | 57.3 | 67.1 | 66.5 | 59.6 | 50.8 | 36.9 | 30.2 | 46.7   |
| 1992           | 27.3 | 35.2 | 38.1 | 49.1 | 53.3 | 59.0 | 65.1 | 64.2 | 59.3 | 50.4 | 33.8 | 26.3 | 46.8   |
| 1993           | 32.2 | 32.5 | 40.2 | 46.4 | 53.9 | 60.4 | 65.5 | 64.8 | 57.9 | 47.4 | 35.0 | 30.1 | 47.2   |
| 1994           | 32.8 | 29.8 | 40.6 | 44.3 | 51.7 |      | 65.4 | 66.4 | 58.1 | 44.2 | 32.2 | 32.1 |        |
| 1995           | 28.4 | 37.2 | 38.2 | 40.4 |      | 55.1 | 64.6 | 66.9 |      | 47.7 | 42.3 | 31.9 |        |
| 1996           | 31.4 | 36.9 | 37.8 | 44.9 |      | 61.9 |      |      |      |      |      |      |        |
| 1997           | 28.0 | 29.6 | 39.1 | 40.5 | 54.1 | 57.1 | 63.8 | 63.8 | 59.4 | 45.0 | 37.7 | 26.6 | 45.4   |
| 1998           | 31.4 | 27.2 | 33.7 | 37.2 | 46.8 | 55.0 | 66.2 | 64.9 | 57.3 | 44.6 | 37.1 | 31.1 | 44.4   |
| 1999           | 33.9 | 35.1 | 39.0 | 37.5 | 49.4 | 58.0 | 64.2 | 62.1 | 56.1 | 47.7 | 40.5 | 29.3 | 46.1   |
| 2000           | 32.9 | 35.6 | 35.4 | 46.6 | 55.4 | 62.2 | 66.5 | 65.0 | 60.1 | 46.2 | 30.8 | 34.7 | 47.6   |
| 2001           | 27.2 | 29.7 | 39.0 | 43.5 | 55.3 | 62.2 | 65.6 | 64.3 | 59.9 | 50.2 | 38.8 | 27.0 | 46.9   |
| 2002           | 31.1 | 34.0 | 35.9 | 47.5 | 52.1 | 63.0 | 70.0 | 66.0 | 58.1 | 45.5 | 38.3 | 28.3 | 47.5   |
| 2003           | 37.2 | 33.1 | 37.2 | 40.6 | 53.8 | 60.7 | 69.5 | 64.9 | 59.1 | 51.8 | 35.7 | 30.2 | 47.8   |
| 2004           | 28.9 | 27.2 | 42.7 | 42.7 | 52.6 | 60.0 | 64.6 | 62.4 | 55.9 | 44.5 | 34.7 | 31.4 | 45.6   |
| 2005           | 31.6 | 33.1 | 36.6 | 42.8 | 52.5 | 57.9 | 67.3 | 62.9 | 57.3 | 47.4 | 38.8 | 32.1 | 46.7   |
| 2006           | 30.6 | 34.3 | 32.8 | 44.3 | 54.4 | 64.2 | 67.8 | 62.9 | 54.4 | 44.7 | 38.5 | 30.0 | 46.6   |
| 2007           | 25.4 | 32.5 | 41.0 | 44.6 | 53.1 | 62.7 | 68.6 | 66.3 | 57.7 | 47.7 | 41.6 | 26.0 | 47.3   |
| 2008           | 24.4 | 30.9 | 38.2 | 44.1 | 48.5 | 61.9 | 67.5 | 66.9 | 58.5 | 48.4 | 41.6 | 30.6 | 46.8   |
| 2009           | 32.0 | 31.8 | 39.0 | 42.6 | 56.0 | 57.6 | 68.0 | 64.9 | 59.0 | 44.9 | 39.4 | 24.5 | 46.6   |
| 2010           | 28.4 | 29.9 | 35.2 | 41.5 | 48.4 | 60.3 | 67.8 | 64.4 | 60.2 | 48.8 | 34.6 | 34.6 | 46.2   |
| 2011           |      | 27.8 | 39.5 | 43.8 | 48.0 | 59.0 | 66.3 | 67.2 | 58.9 | 47.6 | 36.2 | 26.3 |        |
| 2012           | 34.3 | 31.9 | 37.4 | 45.8 | 53.4 | 63.7 | 66.3 | 66.0 | 58.9 | 49.3 | 39.7 | 28.4 | 47.9   |
| 2013           | 23.9 | 27.9 | 40.0 | 44.6 | 51.3 | 64.5 | 66.9 | 63.8 | 57.1 | 44.2 | 37.4 | 27.5 | 45.8   |
| 2014           | 35.5 | 36.9 | 40.2 | 43.5 | 51.3 | 62.4 | 67.5 | 62.0 | 59.5 | 51.2 | 39.8 | 33.2 | 48.6   |
| 2015           | 34.0 | 39.7 | 42.0 | 43.4 | 47.6 | 63.0 | 63.7 | 65.5 | 60.4 | 49.9 | 34.1 | 27.9 | 47.6   |
| POR=<br>88 YRS | 28.9 | 30.8 | 36.4 | 42.8 | 51.1 | 59.4 | 66.3 | 64.4 | 57.3 | 47.5 | 36.8 | 30.1 | 46.0   |

**HEATING DEGREE DAYS (base 65°F) 2015 FLAGSTAFF (KFLG)**

| YEAR    | JUL | AUG | SEP | OCT | NOV  | DEC  | JAN  | FEB  | MAR  | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1987-88 | 82  | 86  | 246 | 447 | 859  | 1167 | 1103 | 885  | 848  | 621 | 434 | 124 | 6902  |
| 1988-89 | 9   | 41  | 266 | 381 | 836  | 1141 | 1196 | 910  | 710  | 432 | 330 | 139 | 6391  |
| 1989-90 | 7   | 67  | 184 | 540 | 792  | 1030 | 1124 | 996  | 822  | 558 | 449 | 84  | 6653  |
| 1990-91 | 10  | 93  | 167 | 494 | 816  | 1231 | 1060 | 772  | 1008 | 652 | 476 | 225 | 7004  |
| 1991-92 | 7   | 12  | 159 | 438 | 835  | 1071 | 1159 | 854  | 830  | 470 | 356 | 180 | 6371  |
| 1992-93 | 38  | 80  | 163 | 444 | 932  | 1191 | 1014 | 903  | 761  | 551 | 339 | 158 | 6574  |
| 1993-94 | 29  | 45  | 207 | 538 | 893  | 1073 | 990  | 979  | 747  | 614 | 406 |     |       |
| 1994-95 | 35  | 11  | 203 | 637 | 974  | 1014 | 1128 | 772  | 821  | 731 |     | 290 |       |
| 1995-96 | 60  | 10  |     | 531 | 671  | 1015 | 1035 | 807  | 834  | 597 |     | 108 |       |
| 1996-97 | 2   | 36  | 291 | 620 |      | 966  | 1141 | 984  | 797  | 729 | 330 | 231 |       |
| 1997-98 | 61  | 45  | 161 | 613 | 813  | 1182 | 1037 | 1050 | 964  | 828 | 559 | 300 | 7613  |
| 1998-99 | 15  | 27  | 226 | 624 | 832  | 1044 | 957  | 829  | 798  | 817 | 480 | 220 | 6869  |
| 1999-00 | 45  | 86  | 260 | 529 | 726  | 1099 | 987  | 846  | 911  | 547 | 293 | 98  | 6427  |
| 2000-01 | 26  | 49  | 148 | 577 | 1020 | 933  | 1165 | 983  | 801  | 641 | 295 | 109 | 6747  |
| 2001-02 | 25  | 40  | 149 | 452 | 781  | 1172 | 1047 | 863  | 894  | 521 | 397 | 69  | 6410  |
| 2002-03 | 2   | 38  | 204 | 598 | 792  | 1130 | 856  | 889  | 856  | 726 | 342 | 131 | 6564  |
| 2003-04 | 0   | 30  | 171 | 403 | 872  | 1074 | 1112 | 1091 | 678  | 661 | 377 | 141 | 6610  |
| 2004-05 | 44  | 89  | 264 | 630 | 902  | 1034 | 1029 | 888  | 876  | 657 | 382 | 216 | 7011  |
| 2005-06 | 17  | 62  | 222 | 537 | 781  | 1012 | 1060 | 852  | 990  | 611 | 320 | 60  | 6524  |
| 2006-07 | 14  | 65  | 310 | 623 | 790  | 1080 | 1221 | 901  | 738  | 608 | 359 | 86  | 6795  |
| 2007-08 | 3   | 9   | 215 | 532 | 694  | 1200 | 1252 | 982  | 824  | 620 | 504 | 116 | 6951  |
| 2008-09 | 4   | 7   | 188 | 510 | 695  | 1058 | 1015 | 926  | 800  | 666 | 274 | 225 | 6368  |
| 2009-10 | 2   | 53  | 176 | 615 | 759  | 1251 | 1124 | 976  | 919  | 697 | 504 | 151 | 7227  |
| 2010-11 | 12  | 42  | 141 | 495 | 905  | 936  |      | 1035 | 784  | 629 | 523 | 191 |       |
| 2011-12 | 26  | 0   | 181 | 535 | 855  | 1197 | 943  | 954  | 847  | 572 | 355 | 72  | 6537  |
| 2012-13 | 16  | 18  | 176 | 479 | 754  | 1128 | 1266 | 1031 | 768  | 607 | 418 | 59  | 6720  |
| 2013-   | 9   | 49  | 236 | 639 | 822  | 1158 |      |      |      |     |     |     |       |
| 2013-14 | 9   | 49  | 236 | 639 | 822  | 1158 | 906  | 782  | 761  | 639 | 418 | 87  | 6506  |
| 2014-15 | 1   | 93  | 158 | 419 | 746  | 978  | 954  | 701  | 708  | 642 | 534 | 105 | 6039  |
| 2015-   | 59  | 14  | 131 | 465 | 921  | 1141 |      |      |      |     |     |     |       |

WBAN : 03103

**COOLING DEGREE DAYS (base 65°F) 2015 FLAGSTAFF (KFLG)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1986 | 0   | 0   | 0   | 0   | 0   | 11  | 33  | 55  | 0   | 0   | 0   | 0   | 99    |
| 1987 | 0   | 0   | 0   | 0   | 0   | 13  | 21  | 26  | 0   | 0   | 0   | 0   | 60    |
| 1988 | 0   | 0   | 0   | 0   | 0   | 28  | 94  | 28  | 1   | 0   | 0   | 0   | 151   |
| 1989 | 0   | 0   | 0   | 0   | 0   | 22  | 111 | 29  | 0   | 0   | 0   | 0   | 162   |
| 1990 | 0   | 0   | 0   | 0   | 0   | 76  | 76  | 28  | 18  | 0   | 0   | 0   | 198   |
| 1991 | 0   | 0   | 0   | 0   | 0   | 0   | 79  | 65  | 4   | 0   | 0   | 0   | 148   |
| 1992 | 0   | 0   | 0   | 0   | 0   | 6   | 48  | 62  | 0   | 0   | 0   | 0   | 116   |
| 1993 | 0   | 0   | 0   | 0   | 0   | 26  | 50  | 46  | 1   | 0   | 0   | 0   | 123   |
| 1994 | 0   | 0   | 0   | 0   | 0   |     | 53  | 57  | 0   | 0   | 0   | 0   |       |
| 1995 | 0   | 0   | 0   | 0   |     | 0   | 53  | 76  |     | 0   | 0   | 0   |       |
| 1996 | 0   | 0   | 0   | 0   |     | 18  |     |     |     |     |     |     |       |
| 1997 | 0   | 0   | 0   | 0   | 1   | 0   | 29  | 14  | 2   | 0   | 0   | 0   | 46    |
| 1998 | 0   | 0   | 0   | 0   | 0   | 5   | 60  | 28  | 0   | 0   | 0   | 0   | 93    |
| 1999 | 0   | 0   | 0   | 0   | 0   | 15  | 29  | 5   | 0   | 0   | 0   | 0   | 49    |
| 2000 | 0   | 0   | 0   | 0   | 3   | 18  | 81  | 55  | 8   | 0   | 0   | 0   | 165   |
| 2001 | 0   | 0   | 0   | 0   | 0   | 30  | 50  | 26  | 0   | 0   | 0   | 0   | 106   |
| 2002 | 0   | 0   | 0   | 0   | 5   | 19  | 163 | 79  | 5   | 0   | 0   | 0   | 271   |
| 2003 | 0   | 0   | 0   | 0   | 3   | 8   | 146 | 32  | 1   | 0   | 0   | 0   | 190   |
| 2004 | 0   | 0   | 0   | 0   | 0   | 0   | 42  | 16  | 0   | 0   | 0   | 0   | 58    |
| 2005 | 0   | 0   | 0   | 0   | 0   | 8   | 97  | 4   | 0   | 0   | 0   | 0   | 109   |
| 2006 | 0   | 0   | 0   | 0   | 0   | 41  | 106 | 9   | 0   | 0   | 0   | 0   | 156   |
| 2007 | 0   | 0   | 0   | 0   | 0   | 26  | 122 | 56  | 3   | 0   | 0   | 0   | 207   |
| 2008 | 0   | 0   | 0   | 0   | 1   | 29  | 88  | 74  | 0   | 0   | 0   | 0   | 192   |
| 2009 | 0   | 0   | 0   | 0   | 0   | 12  | 103 | 54  | 2   | 0   | 0   | 0   | 171   |
| 2010 | 0   | 0   | 0   | 0   | 0   | 18  | 108 | 31  | 3   | 0   | 0   | 0   | 160   |
| 2011 |     | 0   | 0   | 0   | 0   | 16  | 73  | 76  | 5   | 0   | 0   | 0   |       |
| 2012 | 0   | 0   | 0   | 0   | 0   | 41  | 65  | 58  | 0   | 0   | 0   | 0   | 164   |
| 2013 | 0   | 0   | 0   | 0   | 0   | 50  | 75  | 19  | 4   | 0   | 0   | 0   | 148   |
| 2014 | 0   | 0   | 0   | 0   | 0   | 14  | 84  | 11  | 0   | 0   | 0   | 0   | 109   |
| 2015 | 0   | 0   | 0   | 0   | 0   | 50  | 26  | 39  | 0   | 0   | 0   | 0   | 115   |

**SNOWFALL (inches) 2015 FLAGSTAFF (KFLG)**

| YEAR           | JUL | AUG | SEP | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0  | 2.9  | 16.7 | 28.9 | 21.0 | 1.5  | 33.1 | 0.4 | 0.0 | 104.5 |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0  | 11.9 | 15.0 | 21.7 | 12.0 | 16.6 | T    | 0.5 | 0.0 | 77.7  |
| 1989-90        | 0.0 | T   | T   | T    | T    | 13.1 | 24.2 | 45.5 | 25.0 | 4.2  | 1.4 | 0.0 | 113.4 |
| 1990-91        | T   | T   | T   | T    | 9.6  | 22.3 | 3.1  | 13.5 | 79.4 | T    | T   | 0.0 | 127.9 |
| 1991-92        | 0.0 | 0.0 | T   | 5.9  | 39.5 | 24.0 | 24.7 | 24.9 | 35.9 | 4.0  | T   | T   | 158.9 |
| 1992-93        | T   | 0.3 | 0.0 | 0.5  | 2.1  | 41.7 | 55.7 | 35.2 | 11.9 | 2.3  | 0.3 | T   | 150.0 |
| 1993-94        | 0.0 | T   | T   | 0.0  | 23.0 | 13.4 | 6.9  | 26.1 | 12.3 | 27.8 | T   |     |       |
| 1994-95        | 0.0 | T   | 0.0 |      |      |      |      |      |      |      |     | 0.0 |       |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |      |      |      |      |      |     |     |       |
| 1996-97        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 1997-98        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 1998-99        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 1999-00        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2000-01        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2001-02        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2002-03        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2003-04        |     |     |     |      |      |      | 9.8  | 24.5 | 12.5 | T    | 0.0 | 0.0 |       |
| 2004-05        | 0.0 | 0.0 | 0.0 | 16.4 | 11.8 | 10.9 | 56.3 | 16.8 | 18.4 | 1.1  | T   | 0.0 | 131.7 |
| 2005-06        | 0.0 | T   | 0.0 | 0.0  | T    | T    | 1.6  | 0.0  | 40.0 | 3.0  | 0.0 | T   | 44.6  |
| 2006-07        | 0.0 | 0.0 | 0.0 | T    | 0.6  | 9.5  | 25.4 | 11.0 | 1.2  | 2.3  | 0.4 | 0.0 | 50.4  |
| 2007-08        | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 25.4 | 26.9 | 35.9 | 2.5  | 0.1  | 8.7 | 0.0 | 99.5  |
| 2008-09        | 0.0 | 0.0 | 0.0 | 0.0  | 2.5  | 39.1 | 7.8  | 31.3 | 0.3  | 5.0  | 0.0 | 0.0 | 86.0  |
| 2009-10        | 0.0 | 0.0 | 0.0 | 0.3  | T    | 33.0 | 56.4 | 28.5 | 16.3 | 5.5  | 0.5 | 0.0 | 140.5 |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0  | 8.1  | 30.1 | 1.2  | 24.6 | 8.6  | 14.1 | 1.7 | 0.0 | 88.4  |
| 2011-12        | 0.0 | T   | 0.0 | T    | 12.5 | 33.1 | 4.6  | 15.9 | 26.4 | 10.4 | 0.0 | 0.0 | 102.9 |
| 2012-13        | 0.0 | 0.0 | 0.0 | T    | 1.1  | 28.5 | 3.4  | 20.1 | 15.2 | 1.4  | T   | 0.0 | 69.7  |
| 2013-          | 0.0 | 0.0 | T   | 0.6  | 11.4 | 17.9 |      |      |      |      |     |     |       |
| 2013-14        | 0.0 | 0.0 | T   | 0.6  | 11.4 | 17.9 | 1.5  | 2.1  | 1.4  | 9.1  | 0.4 | 0.0 | 44.4  |
| 2014-15        | 0.0 | T   | 0.0 | 0.0  | T    | 19.0 | 10.7 | 9.2  | 17.3 | 0.8  | 5.9 | 0.0 | 62.9  |
| 2015-          | 0.0 | 0.0 | 0.0 | 0.0  | 14.6 | 12.9 |      |      |      |      |     |     |       |
| POR=<br>76 YRS | T   | T   | 0.1 | 1.4  | 7.4  | 14.5 | 18.6 | 15.1 | 16.2 | 6.6  | 1.5 | T   | 81.4  |

WBAN : 03103

**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 FLAGSTAFF ARIZONA (KFLG)

Flagstaff, elevation 7,000 feet, is situated on a volcanic plateau at the base of the highest mountains in Arizona. The climate may be classified as vigorous with cold winters, mild, pleasantly cool summers, moderate humidity, and considerable diurnal temperature change. Only limited farming exists due to the short growing season. The stormy months are January, February, March, July, and August.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 21 and the average last occurrence in the spring is June 13.

Temperatures in Flagstaff are characteristic of high altitude climates. The average daily range of temperature is relatively high, especially in the winter months, October to March, as a result of extensive snow cover and clear skies. Winter minimum temperatures frequently reach zero or below and temperatures of -25 degrees or less have occurred. Summer maximum temperatures are often above 80 degrees and occasionally, temperatures have exceeded 95 degrees.

The Flagstaff area is semi-arid. Several months have recorded little or no precipitation. Over 90 consecutive days without measurable precipitation have occurred. Annual precipitation ranges from less than 10 inches to more than 35 inches. Winter snowfalls can be heavy, exceeding 100 inches during one month and over 200 inches during the winter season. However, accumulations are quite variable from year to year. Some winter months may experience little or no snow and the winter season has produced total snow accumulations of less than 12 inches.

# Station History

FLAGSTAFF, AZ

| NAME                   | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform      |
|------------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| FLAGSTAFF WB AP        | 1950-01-01 | 1950-01-12 | 35° 7'   | -111° 40' | 7006           |            | AIRWAYS, COOP |
| FLAGSTAFF PULLIAM AP   | 1963-06-01 | 1973-01-01 | 35° 7'   | -111° 40' | 7006           |            | AIRWAYS, COOP |
| FLAGSTAFF PULLIAM AP   | 1997-10-01 | 2002-10-09 | 35° 8'   | -111° 40' | 7003           |            | ASOS, COOP    |
| FLAGSTAFF PULLIAM AP   | 2004-07-01 | Present    | 35° 8'   | -111° 39' | 7003           |            | ASOS, COOP    |
| FLAGSTAFF PULLIAM AP   | 1973-01-01 | 1981-12-31 | 35° 7'   | -111° 40' | 7006           |            | COOP, WXSVC   |
| FLAGSTAFF PULLIAM AP   | 1996-01-01 | 1997-10-01 | 35° 8'   | -111° 40' | 6993           |            | ASOS, COOP    |
| FLAGSTAFF MUNICIPAL AP | 1950-01-12 | 1963-06-01 | 35° 7'   | -111° 40' | 7006           |            | AIRWAYS, COOP |
| FLAGSTAFF PULLIAM AP   | 1981-12-31 | 1990-08-01 | 35° 7'   | -111° 40' | 7006           |            | COOP          |
| FLAGSTAFF PULLIAM AP   | 1994-07-01 | 1995-11-28 | 35° 7'   | -111° 40' | 7004           |            | ASOS, COOP    |
| FLAGSTAFF PULLIAM AP   | 2002-10-09 | 2004-07-01 | 35° 8'   | -111° 39' | 7003           | .25 MI NE  | ASOS, COOP    |
| FLAGSTAFF PULLIAM AP   | 1990-08-01 | 1994-07-01 | 35° 7'   | -111° 40' | 7004           |            | COOP          |
| FLAGSTAFF PULLIAM AP   | 1995-11-28 | 1996-01-01 | 35° 8'   | -111° 40' | 6993           | .5 MI NNE  | ASOS, COOP    |

# Element History

| Element  | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|----------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP   | 1995-07-01 | 1995-11-28 | HOURLY    | 2400                | UNIV        | RCRD                      |                    |
| PRECIP   | 1995-11-28 | 2002-10-09 | DAILY     | 2400                | TB          | RCRD                      |                    |
| PRECIP   | 2007-02-08 | 2010-04-12 | DAILY     | 2400                | PCPNX       |                           |                    |
| SNOWDPTH | 2010-04-12 | 2011-02-24 | DAILY     | 0500                | SNOWSTICK   |                           |                    |
| TEMP     | 1982-01-01 | 1987-02-03 | DAILY     | 2400                | MXMN        |                           |                    |
| PRECIP   | 1994-07-01 | 1995-07-01 | DAILY     | 2400                | SRG         |                           |                    |
| TEMP     | 1995-07-01 | 1995-11-28 | DAILY     | 2400                | MXMN        |                           |                    |
| PRECIP   | 2004-07-01 | 2007-02-08 | DAILY     | 2400                | PCPNX       |                           |                    |
| WIND     | 2011-02-24 | 2011-06-13 | HOURLY    | UNKN                | ANEMSONIC   |                           |                    |
| SNOWDPTH | 2011-02-24 | 2011-06-13 | DAILY     | 0500                | SNOWSTAKE   |                           |                    |
| TEMP     | 2004-07-01 | 2007-02-08 | DAILY     | 2400                | ATEMP       |                           |                    |
| WIND     | 2004-07-01 | 2007-02-08 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| TEMP     | 2007-02-08 | 2010-04-12 | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP   | 2011-02-24 | 2011-06-13 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| TEMP     | 2011-06-13 | Present    | DAILY     | 2400                | ATEMP       |                           |                    |
| TEMP     | 1950-01-01 | 1982-01-01 | DAILY     | 2400                | MXMN        |                           |                    |
| PRECIP   | 1987-02-03 | 1994-07-01 | DAILY     | 2400                | SRG         |                           |                    |
| TEMP     | 1994-07-01 | 1995-07-01 | DAILY     | 2400                | MXMN        |                           |                    |
| PRECIP   | 1994-07-01 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| TEMP     | 2002-10-09 | 2004-07-01 | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP   | 2011-02-24 | 2011-06-13 | DAILY     | 2400                | PCPNX       |                           |                    |
| TEMP     | 2011-02-24 | 2011-06-13 | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP   | 1987-02-03 | 1994-07-01 | HOURLY    | 2400                |             |                           |                    |
| TEMP     | 1987-02-03 | 1994-07-01 | DAILY     | 2400                | MXMN        |                           |                    |
| WIND     | 1995-07-01 | 1995-11-28 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| WIND     | 1995-11-28 | 2002-10-09 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| PRECIP   | 2007-02-08 | 2010-04-12 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| WIND     | 2007-02-08 | 2010-04-12 | HOURLY    | UNKN                | ANEMSONIC   |                           |                    |
| SNOWDPTH | 2007-02-08 | 2010-04-12 | DAILY     | 0600                | SNOWSTICK   |                           |                    |
| PRECIP   | 2010-04-12 | 2011-02-24 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| TEMP     | 2010-04-12 | 2011-02-24 | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP   | 1995-07-01 | 1995-11-28 | DAILY     | 2400                | SRG         |                           |                    |
| WIND     | 2002-10-09 | 2004-07-01 | HOURLY    | UNKN                | ANEMCUP     |                           |                    |
| PRECIP   | 2002-10-09 | 2004-07-01 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| PRECIP   | 2004-07-01 | 2007-02-08 | HOURLY    | 2400                | AHTB        | RCRD;HTD                  |                    |
| PRECIP   | 2010-04-12 | 2011-02-24 | DAILY     | 2400                | PCPNX       |                           |                    |
| PRECIP   | 2011-06-13 | Present    | DAILY     | 2400                | PCPNX       |                           |                    |
| PRECIP   | 2011-06-13 | Present    | HOURLY    | 2400                | AWPAG       | RCRD;HTD                  |                    |
| WIND     | 2011-06-13 | Present    | HOURLY    | UNKN                | ANEMSONIC   |                           |                    |
| PRECIP   | 1982-01-01 | 1987-02-03 | DAILY     | 2400                | UNIV        | RCRD                      |                    |

Element History continued on next page. Also see Station Metadata link below for complete history.

\* 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

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TDD : (828) 271-4010

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



# Element History

FLAGSTAFF, AZ

| Element  | Begin Date | End Date   | Frequency | Time Of Observation | Equipment | Equipment Modifications | Equipment Exposure |
|----------|------------|------------|-----------|---------------------|-----------|-------------------------|--------------------|
| WIND     | 1994-07-01 | 1995-07-01 | HOURLY    | UNKN                | ANEMCUP   |                         |                    |
| WIND     | 2010-04-12 | 2011-02-24 | HOURLY    | UNKN                | ANEMSONIC |                         |                    |
| PRECIP   | 1950-01-01 | 1982-01-01 | DAILY     | 2400                | UNIV      | RCRD                    |                    |
| PRECIP   | 1995-11-28 | 2002-10-09 | HOURLY    | 2400                | TB        | RCRD                    |                    |
| TEMP     | 1995-11-28 | 2002-10-09 | DAILY     | 2400                | HYGR      |                         |                    |
| PRECIP   | 2002-10-09 | 2004-07-01 | DAILY     | 2400                | PCPNX     |                         |                    |
| SNOWDPTH | 2004-07-01 | 2007-02-08 | DAILY     | 0600                | SNOWSTICK |                         |                    |
| SNOWDPTH | 2011-06-13 | Present    | DAILY     | 0500                | SNOWSTAKE |                         |                    |