

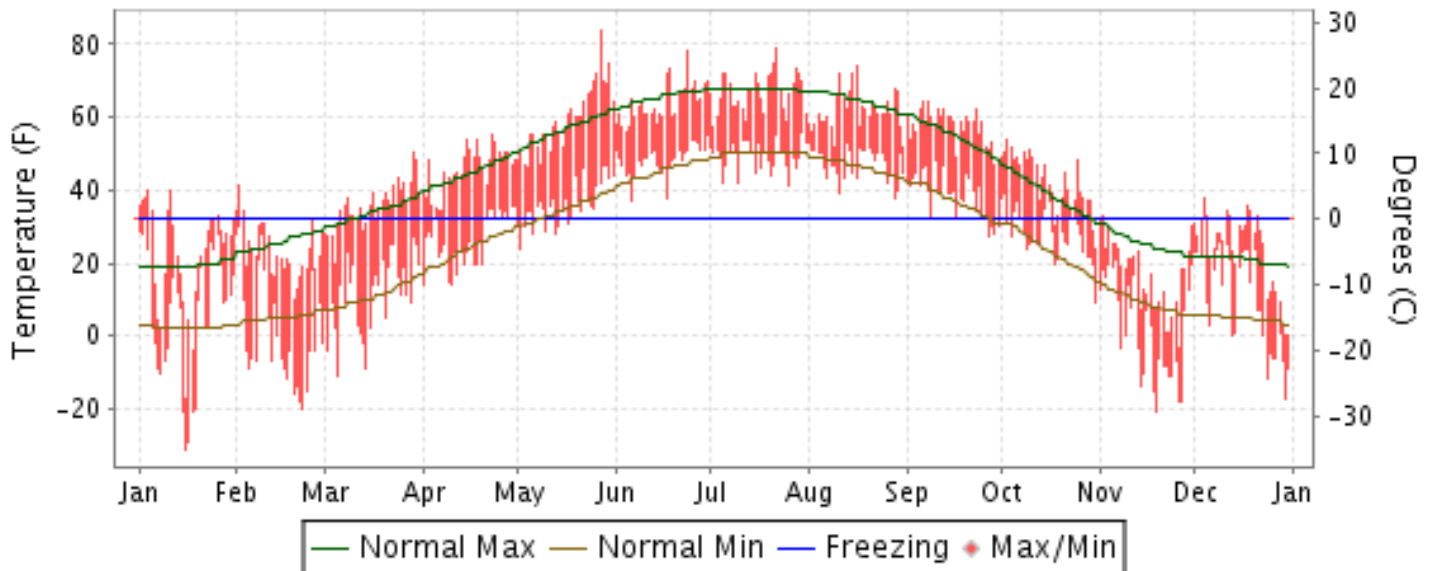


# 2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

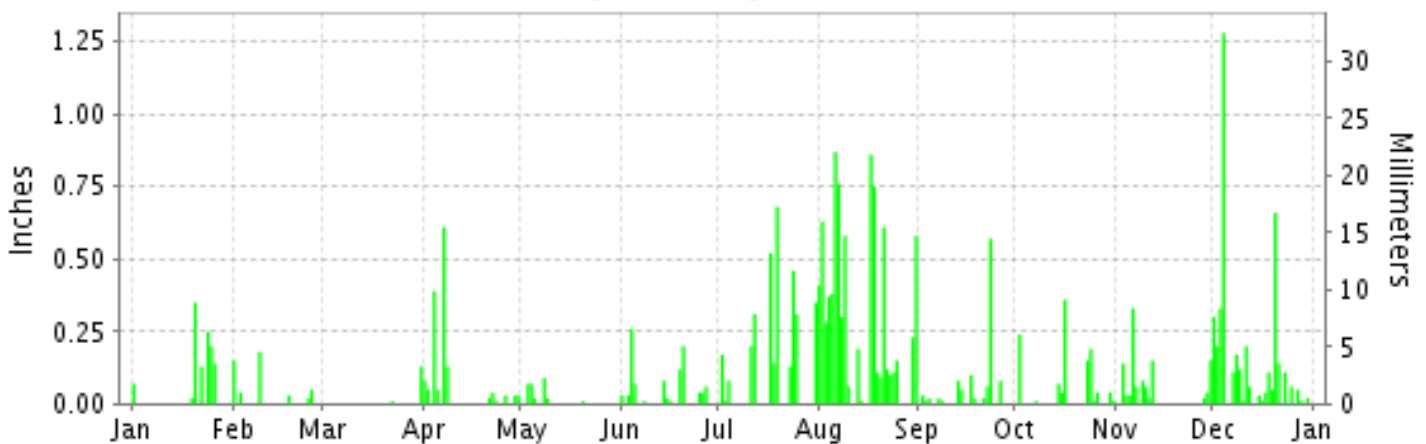
ISSN 0198-0521

## TALKEETNA, ALASKA (PATK)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2011

## TALKEETNA (PATK)

LATITUDE: 62° 19'N      LONGITUDE: -150° 5'W      ELEVATION (FT): GRND: 350 BARO: 354      TIME ZONE: ALASKA (UTC -9)      WBAN: 26528

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |    |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 22.6  | 23.4  | 35.7  | 45.7  | 59.5  | 63.8  | 66.8  | 61.9  | 57.5  | 42.3  | 16.8  | 23.6   | 43.3      |    |
|                      | HIGHEST DAILY MAXIMUM       | 40    | 41    | 50    | 55    | 84    | 78    | 79    | 74    | 64    | 54    | 33    | 38     | 84        |    |
|                      | DATE OF OCCURRENCE          | 11+   | 02    | 29    | 23    | 27    | 24    | 22    | 16    | 08+   | 03    | 02    | 04     | MAY 27    |    |
|                      | MEAN DAILY MINIMUM          | 6.0   | 0.7   | 11.5  | 26.3  | 36.1  | 48.2  | 49.3  | 47.4  | 38.6  | 28.0  | 1.8   | 10.4   | 25.4      |    |
|                      | LOWEST DAILY MINIMUM        | -31   | -20   | -11   | 14    | 24    | 37    | 41    | 38    | 27    | 9     | -21   | -17    | -31       |    |
|                      | DATE OF OCCURRENCE          | 16    | 22    | 05    | 10+   | 02    | 06    | 26    | 28    | 27    | 31    | 19    | 30     | JAN 16    |    |
|                      | AVERAGE DRY BULB            | 14.3  | 12.1  | 23.6  | 36.0  | 47.8  | 56.0  | 58.1  | 54.7  | 48.1  | 35.2  | 9.3   | 17.0   | 34.4      |    |
|                      | MEAN WET BULB               | 13.2  | 10.4  | 19.8  | 31.6  | 41.1  | 49.4  | 52.6  | 51.0  | 44.4  | 32.4  | 8.9   | 16.8   | 31.0      |    |
|                      | MEAN DEW POINT              | 5.9   | 1.0   | 4.6   | 23.2  | 30.4  | 42.8  | 47.5  | 48.2  | 40.8  | 27.5  | 2.1   | 13.6   | 24.0      |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | MAXIMUM >= 70               | 0     | 0     | 0     | 0     | 5     | 5     | 10    | 3     | 0     | 0     | 0     | 0      | 0         | 23 |
|                      | MAXIMUM <= 32°              | 23    | 25    | 9     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 29    | 24     | 113       |    |
|                      | MINIMUM <= 32°              | 30    | 28    | 31    | 21    | 9     | 0     | 0     | 0     | 7     | 22    | 30    | 31     | 209       |    |
| MINIMUM <= 0°        | 10                          | 18    | 4     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 15    | 9     | 56     |           |    |
| H/C                  | HEATING DEGREE DAYS         | 1564  | 1474  | 1274  | 862   | 525   | 262   | 210   | 310   | 499   | 916   | 1666  | 1482   | 11044     |    |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 0     | 0     | 0     | 0     | 0      | 2         |    |
| RH                   | MEAN (PERCENT)              | 68    | 62    | 45    | 63    | 53    | 64    | 69    | 82    | 79    | 76    | 70    | 83     | 68        |    |
|                      | HOUR 03 LST                 | 72    | 65    | 56    | 77    | 74    | 76    | 82    | 93    | 89    | 84    | 71    | 84     | 77        |    |
|                      | HOUR 09 LST                 | 68    | 69    | 50    | 63    | 55    | 69    | 74    | 86    | 87    | 80    | 71    | 83     | 71        |    |
|                      | HOUR 15 LST                 | 65    | 53    | 33    | 47    | 36    | 52    | 56    | 65    | 58    | 62    | 66    | 82     | 56        |    |
|                      | HOUR 21 LST                 | 71    | 64    | 45    | 63    | 44    | 57    | 66    | 86    | 84    | 79    | 72    | 84     | 68        |    |
| S                    | PERCENT POSSIBLE SUNSHINE   |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 2     | 1     | 1     | 1      | 6         |    |
|                      | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0      | 1         |    |
| CLOUDINESS           | SUNRISE-SUNSET: (OKTAS)     |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | CEILOMETER (<= 12,000 FT.)  |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | SATELLITE (> 12,000 FT.)    |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | MIDNIGHT-MIDNIGHT: (OKTAS)  |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | CEILOMETER (<= 12,000 FT.)  |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | SATELLITE (> 12,000 FT.)    |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| NUMBER OF DAYS WITH: |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| CLEAR                |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| PARTLY CLOUDY        |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| CLOUDY               |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| PR                   | MEAN STATION PRESS. (IN.)   | 29.45 | 29.62 | 29.32 | 29.37 | 29.50 | 29.49 | 29.45 | 29.37 | 29.14 | 29.17 | 29.17 | 29.20  | 29.35     |    |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 29.86 | 30.04 | 29.73 | 29.77 | 29.89 | 29.88 | 29.84 | 29.76 | 29.54 | 29.57 | 29.59 | 29.61  | 29.76     |    |
| WINDS                | RESULTANT SPEED (MPH)       | 3.7   | 3.3   | 4.3   | 0.7   | 0.4   | 3.3   | 2.0   | 0.1   | 0.2   | 1.5   | 3.7   | 1.2    | 1.1       |    |
|                      | RES. DIR. (TENS OF DEGS.)   | 03    | 02    | 02    | 35    | 24    | 20    | 20    | 15    | 01    | 02    | 03    | 04     | 03        |    |
|                      | MEAN SPEED (MPH)            | 4.5   | 4.2   | 5.0   | 3.1   | 4.1   | 4.0   | 3.0   | 2.1   | 2.2   | 2.6   | 4.8   | 3.9    | 3.6       |    |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 03    | 03    | 04    | 36    | 20    | 18    | 20    | 17    | 19    | 03    | 03    | 02     | 03        |    |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | SPEED (MPH)                 | 39    | 26    | 26    | 21    | 29    | 17    | 13    | 17    | 21    | 17    | 37    | 24     | 39        |    |
|                      | DIR. (TENS OF DEGS.)        | 04    | 04    | 04    | 04    | 05    | 20    | 16    | 08    | 05    | 19    | 05    | 17     | 04        |    |
|                      | DATE OF OCCURRENCE          | 14    | 13    | 08    | 12    | 12    | 30    | 19    | 16    | 06    | 26    | 16    | 19     | JAN 14    |    |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | SPEED (MPH)                 | 48    | 39    | 36    | 28    | 38    | 22    | 18    | 23    | 28    | 23    | 47    | 38     | 48        |    |
| DIR. (TENS OF DEGS.) | 02                          | 04    | 04    | 04    | 05    | 21    | 20    | 11    | 04    | 17    | 03    | 19    | 02     |           |    |
| DATE OF OCCURRENCE   | 14                          | 13    | 08    | 12    | 12    | 30    | 17    | 16    | 20    | 26    | 16    | 19    | JAN 14 |           |    |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | TOTAL (IN.)                 | 1.16  | 0.47  | 0.14  | 1.47  | 0.28  | 0.97  | 3.36  | 8.55  | 1.07  | 1.16  | 1.11  | 4.07   | 23.81     |    |
|                      | GREATEST 24-HOUR (IN.)      | 0.36  | 0.18  | 0.13  | 0.62  | 0.09  | 0.32  | 0.75  | 1.63  | 0.57  | 0.39  | 0.34  | 1.58   | 1.63      |    |
|                      | DATE OF OCCURRENCE          | 19-20 | 09    | 31    | 07-08 | 08    | 19-20 | 18-19 | 06-07 | 23    | 15-16 | 06-07 | 03-04  | AUG 06-07 |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | PRECIPITATION 0.01          | 7     | 6     | 2     | 12    | 6     | 13    | 12    | 23    | 13    | 11    | 12    | 22     | 139       |    |
| PRECIPITATION 0.10   | 5                           | 2     | 1     | 3     | 0     | 3     | 10    | 20    | 2     | 4     | 4     | 12    | 66     |           |    |
| PRECIPITATION 1.00   | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 1      |           |    |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | TOTAL (IN.)                 |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | GREATEST 24-HOUR (IN.)      |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | DATE OF OCCURRENCE          |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |    |
| SNOWFALL >= 1.0      |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |    |

# NORMALS, MEANS, AND EXTREMES TALKEETNA (PATK)

**LATITUDE:** 62° 19'N      **LONGITUDE:** -150° 5'W      **ELEVATION (FT):** GRND: 350 BARO: 354      **TIME ZONE:** ALASKA (UTC -9)      **WBAN: 26528**

|  | ELEMENT   | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |          |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|----------|
| <b>TEMPERATURE °F</b>                    | NORMAL DAILY MAXIMUM                              | 30   | 19.6  | 25.7  | 34.0  | 44.6  | 56.7  | 65.4  | 67.9  | 64.6  | 55.1  | 39.1  | 25.6  | 21.2     | 43.3     |          |
|  | MEAN DAILY MAXIMUM                                | 91   | 19.6  | 25.7  | 33.4  | 44.3  | 57.0  | 64.8  | 67.8  | 64.8  | 54.9  | 40.7  | 26.5  | 20.0     | 43.3     |          |
|  | HIGHEST DAILY MAXIMUM                             | 72   | 46    | 52    | 54    | 77    | 87    | 91    | 90    | 89    | 78    | 68    | 51    | 54       | 91       |          |
|  | YEAR OF OCCURRENCE                                |      | 2004  | 2004  | 1997  | 2003  | 2003  | 1969  | 1956  | 2002  | 1957  | 1954  | 2002  | 1996     | JUN 1969 |          |
|  | MEAN OF EXTREME MAXS.                             | 92   | 36.6  | 40.4  | 46.8  | 57.0  | 72.3  | 79.6  | 81.5  | 77.1  | 67.0  | 53.9  | 40.1  | 37.1     | 57.5     |          |
|  | NORMAL DAILY MINIMUM                              | 30   | 2.3   | 5.0   | 11.1  | 23.9  | 34.9  | 45.1  | 49.9  | 46.5  | 37.3  | 23.6  | 9.4   | 4.8      | 24.5     |          |
|  | MEAN DAILY MINIMUM                                | 91   | 1.4   | 6.0   | 9.5   | 22.4  | 33.7  | 43.2  | 48.1  | 45.3  | 36.2  | 24.4  | 10.5  | 2.9      | 23.6     |          |
|  | LOWEST DAILY MINIMUM                              | 72   | -48   | -46   | -43   | -37   | -5    | 28    | 33    | 25    | 11    | -21   | -41   | -45      | -48      |          |
|  | YEAR OF OCCURRENCE                                |      | 1972  | 1947  | 1956  | 1944  | 1945  | 1940  | 1941  | 1974  | 1992  | 1956  | 1956  | 1970     | JAN 1972 |          |
|  | MEAN OF EXTREME MINS.                             | 92   | -25.2 | -20.9 | -14.3 | 5.1   | 24.8  | 35.2  | 41.4  | 35.2  | 24.5  | 4.0   | -13.8 | -23.2    | 6.1      |          |
|  | NORMAL DRY BULB                                   | 30   | 11.0  | 15.4  | 22.6  | 34.3  | 45.8  | 55.3  | 58.9  | 55.6  | 46.2  | 31.4  | 17.5  | 13.0     | 33.9     |          |
|  | MEAN DRY BULB                                     | 92   | 10.5  | 15.8  | 21.5  | 33.4  | 45.4  | 54.2  | 57.9  | 55.1  | 45.6  | 32.6  | 18.5  | 11.5     | 33.5     |          |
|  | MEAN WET BULB                                     | 28   | 11.8  | 14.5  | 19.3  | 29.3  | 39.7  | 49.0  | 53.7  | 51.8  | 43.7  | 30.6  | 17.2  | 15.3     | 31.3     |          |
|  | MEAN DEW POINT                                    | 28   | 8.1   | 10.5  | 14.4  | 24.4  | 35.7  | 45.2  | 51.3  | 49.8  | 41.1  | 28.2  | 14.5  | 12.5     | 28.0     |          |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 70            | 30   | 0.0   | 0.0   | 0.0   | 0.0   | 1.9   | 9.2   | 12.6  | 7.7   | 0.4   | 0.0   | 0.0   | 0.0      | 31.8     |          |
| MAXIMUM <= 32                            | 30  | 25.1 | 19.0  | 12.0  | 1.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 6.1   | 21.8  | 25.8  | 111.5    |          |          |
| MINIMUM <= 32                            | 30  | 30.8 | 28.1  | 30.7  | 27.2  | 11.5  | 0.2   | 0.0   | 0.4   | 7.3   | 24.1  | 29.4  | 30.8  | 220.5    |          |          |
| MINIMUM <= 0                             | 30  | 13.3 | 11.0  | 7.3   | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.1   | 8.4   | 12.1  | 54.1     |          |          |
| <b>H/C</b>                               | NORMAL HEATING DEG. DAYS                          | 30   | 1676  | 1391  | 1317  | 923   | 596   | 293   | 193   | 294   | 563   | 1043  | 1425  | 1613     | 11327    |          |
|  | NORMAL COOLING DEG. DAYS                          | 30   | 0     | 0     | 0     | 0     | 0     | 1     | 4     | 0     | 0     | 0     | 0     | 0        | 5        |          |
| <b>RH</b>                                | NORMAL (PERCENT)                                  | 30   | 73    | 70    |       |       | 64    | 67    | 75    | 81    | 81    | 78    | 77    |          |          |          |
|  | HOURLY 03 LST                                     | 30   | 73    | 73    |       |       | 85    | 87    | 90    | 95    | 92    | 83    | 78    |          | 82       |          |
|  | HOURLY 09 LST                                     | 30   | 74    | 74    |       |       | 65    | 70    | 80    | 85    | 86    | 82    | 78    |          |          |          |
|  | HOURLY 15 LST                                     | 30   | 71    | 61    |       |       | 48    | 51    | 60    | 64    | 64    | 66    | 72    |          | 61       |          |
|  | HOURLY 21 LST                                     | 30   | 74    | 72    |       |       | 60    | 62    | 71    | 84    | 87    | 81    | 79    |          |          |          |
| <b>S</b>                                 | PERCENT POSSIBLE SUNSHINE                         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |          |
| <b>W/O</b>                               | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 46   | 0.7   | 0.5   | 0.4   | 0.4   | 0.2   | 0.2   | 0.3   | 0.6   | 0.9   | 1.2   | 0.8   | 0.6      | 6.8      |          |
|  | THUNDERSTORMS                                     | 61   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.9   | 1.1   | 0.5   | 0.2   | 0.0   | 0.0   | 0.0      | 3.0      |          |
| <b>CLOUDINESS</b>                        | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   | 10   | 6.0   | 5.2   | 5.2   | 5.8   | 5.8   | 5.9   | 5.3   | 5.1   | 5.3   | 5.2   | 5.0   | 5.7      | 5.5      |          |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         | 5    | 3.1   | 4.6   | 4.0   | 4.7   | 3.7   | 5.3   | 4.3   | 4.5   | 4.3   | 5.1   | 4.0   | 2.9      | 4.2      |          |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      | 10   | 5.8   | 8.2   | 9.4   | 5.0   | 6.0   | 1.0   | 5.0   | 3.0   | 5.1   | 5.9   | 7.5   | 5.4      | 67.3     |          |
|  | PARTLY CLOUDY                                     | 10   | 4.0   | 3.7   | 4.0   | 5.0   | 6.0   | 12.0  | 7.0   | 11.0  | 4.3   | 4.9   | 3.4   | 2.3      | 67.6     |          |
|  | CLOUDY  | 10   | 21.0  | 15.9  | 17.6  | 18.3  | 19.0  | 17.0  | 19.0  | 17.0  | 18.8  | 19.7  | 19.0  | 22.5     | 224.8    |          |
| <b>PR</b>                                | MEAN STATION PRESSURE(IN)                         | 28   | 29.29 | 29.38 | 29.39 | 29.43 | 29.50 | 29.53 | 29.57 | 29.51 | 29.39 | 29.28 | 29.25 | 29.23    | 29.40    |          |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 28   | 29.70 | 29.79 | 29.79 | 29.83 | 29.89 | 29.93 | 29.96 | 29.90 | 29.77 | 29.68 | 29.66 | 29.63    | 29.79    |          |
| <b>WINDS</b>                             | MEAN SPEED (MPH)                                  | 28   | 5.4   | 5.2   | 5.5   | 4.6   | 4.8   | 4.8   | 4.4   | 3.5   | 3.6   | 3.9   | 4.8   | 5.0      | 4.6      |          |
|  | PREVAIL.DIR.(TENS OF DEGS)                        | 20   | 02    | 02    | 02    | 01    | 21    | 21    | 20    | 19    | 02    | 02    | 02    | 02       | 02       |          |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 13   | 39    | 28    | 37    | 30    | 29    | 29    | 21    | 28    | 35    | 32    | 37    | 31       | 39       |          |
|  | DIR. (TENS OF DEGS)                               |      | 04    | 17    | 02    | 19    | 05    | 09    | 20    | 04    | 03    | 02    | 05    | 03       | 04       |          |
|  | YEAR OF OCCURRENCE                                |      | 2011  | 2000  | 2003  | 2010  | 2011  | 2007  | 2005  | 2000  | 2000  | 2000  | 2011  | 2010     | JAN 2011 |          |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 13   | 48    | 48    | 48    | 39    | 38    | 41    | 30    | 36    | 44    | 45    | 47    | 46       | 48       |          |
|  | DIR. (TENS OF DEGS)                               |      | 02    | 16    | 04    | 19    | 05    | 31    | 19    | 17    | 04    | 02    | 03    | 03       | 02       |          |
| YEAR OF OCCURRENCE                       |   | 2011 | 2000  | 2003  | 2010  | 2011  | 2005  | 2005  | 1998  | 2010  | 2000  | 2011  | 2010  | JAN 2011 |          |          |
| <b>PRECIPITATION</b>                     | NORMAL (IN)                                       | 30   | 1.45  | 1.28  | 1.26  | 1.22  | 1.64  | 2.41  | 3.24  | 4.53  | 4.35  | 3.06  | 1.78  | 1.96     | 28.18    |          |
|  | MAXIMUM MONTHLY (IN)                              | 72   | 5.56  | 7.00  | 4.03  | 4.51  | 3.86  | 6.44  | 8.96  | 11.92 | 10.22 | 9.98  | 7.04  | 6.16     | 11.92    |          |
|  | YEAR OF OCCURRENCE                                |      | 1948  | 2003  | 1946  | 1977  | 1998  | 1970  | 2003  | 1945  | 1990  | 1986  | 1979  | 1990     | AUG 1945 |          |
|  | MINIMUM MONTHLY (IN)                              | 72   | T     | T     | 0.06  | 0.02  | 0.27  | 0.21  | 1.08  | 0.96  | 0.91  | 0.81  | 0.01  | 0.02     | 0.01     |          |
|  | YEAR OF OCCURRENCE                                |      | 1974  | 1979  | 1987  | 2007  | 1949  | 1952  | 1977  | 1941  | 1969  | 1953  | 2001  | 2001     | NOV 2001 |          |
|  | MAXIMUM IN 24 HOURS (IN)                          | 72   | 1.95  | 1.80  | 1.52  | 1.38  | 1.39  | 1.58  | 4.09  | 3.73  | 3.12  | 5.14  | 1.81  | 1.89     | 5.14     |          |
|  | YEAR OF OCCURRENCE                                |      | 1948  | 1990  | 1990  | 1994  | 1941  | 1955  | 2003  | 2006  | 1942  | 1986  | 2004  | 1986     | OCT 1986 |          |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30   | 9.3   | 8.1   | 9.0   | 7.8   | 12.1  | 13.5  | 15.3  | 17.1  | 16.7  | 13.0  | 10.7  | 12.0     | 144.6    |          |
| PRECIPITATION >= 1.00                    | 30  | *    | 0.1   | 0.1   | 0.1   | 0.0   | 0.2   | 0.2   | 0.8   | 0.8   | 0.3   | 0.2   | 0.2   | 3.0      |          |          |
| <b>SNOWFALL</b>                          | NORMAL (IN)                                       | 30   | 22.1  | 19.8  | 19.7  | 9.5   | 0.8   | 0.0   | 0.0   | 0.0   | 0.5   | 15.5  | 23.6  | 27.9     | 139.4    |          |
|  | MAXIMUM MONTHLY (IN)                              | 77   | 60.3  | 71.2  | 56.3  | 40.1  | 11.0  | T     | 0.0   | T     | 18.0  | 32.9  | 62.7  | 79.0     | 79.0     |          |
|  | YEAR OF OCCURRENCE                                |      | 1990  | 1951  | 1946  | 1964  | 1952  | 1952  |       |       | 1952  | 1923  | 1976  | 1967     | 1990     | DEC 1990 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 76   | 24.1  | 36.0  | 20.7  | 18.0  | 10.0  | T     | 0.0   | T     | 18.0  | 15.0  | 19.5  | 21.9     | 36.0     |          |
|  | YEAR OF OCCURRENCE                                |      | 1990  | 1928  | 1946  | 1924  | 1952  | 1952  |       |       | 1952  | 1923  | 1927  | 1967     | 1984     | FEB 1928 |
|  | MAXIMUM SNOW DEPTH (IN)                           | 46   | 97    | 98    | 91    | 74    | 39    | 0     | 0     | 0     | 3     | 118   | 35    | 59       | 118      |          |
|  | YEAR OF OCCURRENCE                                |      | 1949  | 1951  | 1951  | 1949  | 1949  |       |       |       | 1956  | 1948  | 1974  | 1948     | OCT 1948 |          |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 5.7  | 4.7   | 5.1   | 2.9   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   | 4.1   | 5.7   | 6.6   | 35.2     |          |          |

**PRECIPITATION (inches) 2011 TALKEETNA (PATK)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP   | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1982           | 0.03 | 0.79 | 1.70 | 0.39 | 1.31 | 4.20 | 5.74 | 4.55 | 7.54  | 2.07 | 1.70 | 1.80 | 31.82  |
| 1983           | 0.46 | 0.46 | 0.09 | 2.58 | 1.27 | 1.77 | 1.75 | 5.69 | 3.29  | 4.63 | 0.25 | 0.57 | 22.81  |
| 1984           | 1.90 | 0.89 | 0.21 | 0.94 | 1.40 | 1.40 | 3.06 | 6.63 | 1.73  | 1.79 | 0.44 | 2.69 | 23.08  |
| 1985           | 2.54 | 2.63 | 2.27 | 0.90 | 2.89 | 1.99 | 2.68 | 4.92 | 7.78  | 1.91 | 0.86 | 2.85 | 34.22  |
| 1986           | 0.71 | 0.96 | 0.52 | 0.59 | 1.64 | 0.56 | 5.67 | 5.91 | 4.77  | 9.98 | 2.73 | 3.05 | 37.09  |
| 1987           | 1.98 | 1.01 | 0.06 | 0.63 | 1.23 | 1.86 | 4.26 | 3.37 | 4.32  | 2.82 | 1.75 | 2.38 | 25.67  |
| 1988           | 0.49 | 2.00 | 0.96 | 0.90 | 1.75 | 2.37 | 2.28 | 4.98 | 3.77  | 3.53 | 0.86 | 2.34 | 26.23  |
| 1989           | 0.87 | 1.99 | 0.94 | 2.25 | 3.03 | 2.12 | 4.53 | 8.53 | 5.78  | 4.41 | 2.02 | 3.73 | 40.20  |
| 1990           | 3.63 | 4.31 | 3.94 | 0.93 | 1.60 | 1.37 | 1.37 | 4.31 | 10.22 | 1.26 | 0.89 | 6.16 | 39.99  |
| 1991           | 2.34 | 0.62 | 3.29 | 1.02 | 1.05 | 0.49 | 3.89 | 3.19 | 3.47  | 2.60 | 0.86 | 3.03 | 25.85  |
| 1992           | 1.67 | 1.77 | 0.63 | 0.38 | 1.38 | 0.74 | 2.37 | 3.99 | 2.35  | 3.41 | 4.09 | 3.28 | 26.06  |
| 1993           | 4.20 | 1.23 | 0.43 | 0.19 | 1.68 | 2.53 | 1.35 | 7.51 | 9.57  | 4.06 | 4.04 | 1.03 | 37.82  |
| 1994           | 0.67 | 0.58 | 2.44 | 2.93 | 1.09 | 2.73 | 1.33 | 3.78 | 2.12  | 1.14 | 2.83 | 3.20 | 24.84  |
| 1995           | 1.05 | 0.74 | 0.47 | 2.18 | 2.79 | 2.77 | 1.54 | 3.39 | 4.10  |      | 1.03 | 0.18 |        |
| 1996           | 0.84 | 3.33 | 0.72 | 0.42 | 0.64 | 1.67 | 3.74 | 5.42 | 2.91  | 2.46 | 1.42 | .20  | 23.77  |
| 1997           | 0.54 | 1.43 | 0.39 | 0.24 | 2.52 | 1.29 | 1.39 | 7.01 | 1.93  | 1.46 | 1.64 | 2.06 | 21.90  |
| 1998           | 0.32 | 0.26 | 0.59 | 2.27 | 3.86 | 3.32 | 2.98 | 5.24 | 4.82  | 1.03 | 0.11 | 0.82 | 25.62  |
| 1999           | 1.24 | 0.29 | 0.97 | 0.90 | 1.07 | 3.21 | 5.60 | 5.25 | 3.39  | 4.44 | 0.15 | 6.74 | 33.25  |
| 2000           | 2.78 | 0.94 | 1.05 | 0.65 | 0.99 | 1.91 | 3.57 | 2.34 | 2.93  | 1.90 | 3.39 | 0.79 | 23.24  |
| 2001           | 0.78 | 1.23 | 1.83 | 1.93 | 1.26 | 0.82 | 4.25 | 2.76 | 2.39  | 2.11 | 0.01 | 0.02 | 19.39  |
| 2002           | 1.24 | 0.20 | 0.37 | 4.43 | 1.58 | 1.31 | 1.26 | 7.72 | 7.62  | 4.09 | 0.56 | 0.30 | 30.68  |
| 2003           | 0.28 | 7.00 | 1.67 | 0.79 | 2.62 | 1.28 | 8.96 | 5.60 | 1.96  | 3.24 | 1.70 | 0.40 | 35.50  |
| 2004           | 0.23 | 0.45 | 0.43 | 1.69 | 1.89 | 0.97 | 1.40 | 4.31 | 5.89  | 3.28 | 4.42 | 2.33 | 27.29  |
| 2005           | 2.49 | 1.06 | 1.71 | 3.45 | 1.58 | 0.73 | 1.48 | 4.14 | 8.42  | 0.82 | 1.75 | 2.01 | 29.64  |
| 2006           | 0.21 | 1.44 | 0.28 | 0.85 | 1.21 | 2.94 | 2.55 | 9.87 | 3.01  | 5.06 | 0.02 | 1.16 | 28.60  |
| 2007           | 1.50 | 0.01 | 0.33 | 0.02 | 0.55 | 1.13 | 3.73 | 3.77 | 6.30  | 1.34 | 1.47 | 1.84 | 21.99  |
| 2008           | 1.73 | 0.35 | 1.32 | 1.83 | 0.59 | 1.62 | 2.92 | 2.80 | 3.57  | 3.78 | 1.27 | 1.31 | 23.09  |
| 2009           | 2.24 | 1.75 | 1.11 | 0.91 | 2.07 | 0.80 | 1.61 | 3.92 | 1.89  | 1.60 | 1.31 | 1.48 | 20.69  |
| 2010           | 0.62 | 0.91 | 0.27 | 1.40 | 0.70 | 2.12 | 4.48 | 4.83 | 1.57  | 0.99 | 3.78 | 1.42 | 23.09  |
| 2011           | 1.16 | 0.47 | 0.14 | 1.47 | 0.28 | 0.97 | 3.36 | 8.55 | 1.07  | 1.16 | 1.11 | 4.07 | 23.81  |
| POR=<br>92 YRS | 1.52 | 1.67 | 1.44 | 1.21 | 1.43 | 2.02 | 3.43 | 4.87 | 4.38  | 2.96 | 1.74 | 1.78 | 28.45  |

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**AVERAGE TEMPERATURE (°F) 2011 TALKEETNA (PATK)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1982           | 1.2  | 14.0 | 23.1 | 32.0 | 43.5 | 53.0 | 56.6 | 55.7 | 46.1 | 23.0 | 16.7 | 19.1 | 32.0   |
| 1983           | 12.5 | 18.5 | 25.7 | 35.5 | 48.0 | 56.4 | 58.7 | 53.4 | 42.6 | 31.3 | 22.7 | 13.8 | 34.9   |
| 1984           | 11.1 | 14.8 | 33.0 | 35.0 | 45.5 | 55.7 | 57.9 | 54.5 | 48.5 | 33.5 | 17.1 | 14.2 | 35.1   |
| 1985           | 27.9 | 7.6  | 21.2 | 24.2 | 42.3 | 52.4 | 59.6 | 53.7 | 45.0 | 27.0 | 7.1  | 25.3 | 32.8   |
| 1986           | 21.6 | 19.2 | 21.5 | 28.8 | 46.0 | 55.8 | 58.1 | 52.2 | 46.8 | 36.9 | 20.7 | 24.1 | 36.0   |
| 1987           | 19.3 | 22.4 | 24.4 | 35.7 | 45.9 | 53.5 | 57.9 | 56.7 | 45.6 | 36.7 | 24.1 | 11.7 | 36.2   |
| 1988           | 13.3 | 20.5 | 28.4 | 36.1 | 48.5 | 56.1 | 60.9 | 56.2 | 31.5 | 16.1 | 18.2 |      |        |
| 1989           | -6.0 | 11.6 | 20.1 | 36.3 | 45.9 | 55.4 | 60.4 | 57.6 | 48.7 | 30.1 | 13.2 | 19.9 | 32.8   |
| 1990           | 8.6  | -4.2 | 26.8 | 38.2 | 49.3 | 59.3 | 60.8 | 57.5 | 46.6 | 28.4 | 4.7  | 11.6 | 32.3   |
| 1991           | 11.6 | 17.1 | 19.2 | 36.4 | 45.5 | 58.0 | 57.9 | 54.9 | 48.8 | 29.8 | 21.8 | 15.9 | 34.7   |
| 1992           | 16.7 | 13.4 | 22.1 | 32.2 | 43.4 | 56.1 | 59.4 | 54.4 | 37.3 | 29.5 | 22.1 | 5.8  | 32.7   |
| 1993           | 8.2  | 20.7 | 25.3 | 38.5 | 49.7 | 57.3 | 61.7 | 56.4 | 44.8 | 36.0 | 18.8 | 21.5 | 36.6   |
| 1994           | 20.8 | 13.7 | 22.9 | 36.9 | 46.8 | 56.2 | 59.1 | 57.8 | 46.6 | 31.6 | 9.9  | 13.1 | 34.6   |
| 1995           | 10.4 | 16.9 | 14.7 | 38.9 | 48.5 | 55.8 | 59.6 | 56.3 | 52.5 |      | 18.8 | 15.7 |        |
| 1996           | 4.2  | 11.2 | 26.6 | 36.7 | 49.3 | 56.1 | 59.4 | 54.6 | 44.3 | 23.5 | 14.8 | 12.7 | 32.8   |
| 1997           | 11.7 | 29.5 | 21.9 | 37.4 | 47.6 | 59.2 | 63.1 | 57.6 | 50.2 | 27.0 | 25.5 | 10.5 | 36.8   |
| 1998           | 15.3 | 24.6 | 27.4 | 38.2 | 44.7 | 55.1 | 58.2 | 52.4 | 47.3 | 34.9 | 20.7 | 10.7 | 35.8   |
| 1999           | 8.7  | 2.7  | 23.3 | 33.7 | 45.2 | 57.1 | 59.4 | 56.4 | 47.3 | 31.7 | 16.7 | 8.9  | 32.6   |
| 2000           | 11.6 | 25.0 | 28.5 | 36.6 | 43.9 | 57.3 | 57.6 | 53.6 | 45.4 | 32.8 | 26.0 | 22.3 | 36.7   |
| 2001           | 24.6 | 21.0 | 28.8 | 35.3 | 43.1 | 59.4 | 58.5 | 58.7 | 49.3 | 29.0 | 17.9 | 8.4  | 36.2   |
| 2002           | 21.1 | 23.4 | 22.1 | 31.3 | 49.8 | 58.1 | 62.1 | 57.2 | 49.9 | 41.3 | 36.3 | 24.1 | 39.7   |
| 2003           | 25.7 | 31.6 | 27.0 | 39.7 | 49.9 | 59.8 | 64.2 | 60.0 | 49.7 | 41.9 | 20.6 | 16.9 | 40.6   |
| 2004           | 10.2 | 28.9 | 24.4 | 38.4 | 51.5 | 60.6 | 63.3 | 61.6 | 42.0 | 35.7 | 26.5 | 19.4 | 38.5   |
| 2005           | 16.7 | 18.7 | 31.1 | 38.2 | 50.6 | 59.6 | 62.0 | 58.6 | 49.6 | 34.6 | 13.0 | 22.3 | 37.9   |
| 2006           | 5.4  | 18.0 | 21.5 | 34.7 | 49.0 | 54.3 | 59.4 | 54.3 | 49.0 | 36.2 | 12.6 | 19.0 | 34.5   |
| 2007           | 12.5 | 13.5 | 11.3 | 38.8 | 48.2 | 57.6 | 58.5 | 58.2 | 48.7 | 33.4 | 29.0 | 16.3 | 35.5   |
| 2008           | 7.6  | 15.1 | 27.6 | 32.2 | 45.7 | 53.9 | 56.3 | 54.9 | 47.5 | 26.6 | 18.5 | 9.3  | 32.9   |
| 2009           | 10.2 | 11.3 | 19.9 | 33.4 | 48.0 | 56.0 | 62.6 | 55.0 | 47.9 | 38.4 | 13.8 | 14.2 | 34.2   |
| 2010           | 17.4 | 25.1 | 26.3 | 36.6 | 49.5 | 54.3 | 56.7 | 57.1 | 48.7 | 37.0 | 21.9 | 8.3  | 36.6   |
| 2011           | 14.3 | 12.1 | 23.6 | 36.0 | 47.8 | 56.0 | 58.1 | 54.7 | 48.1 | 35.2 | 9.3  | 17.0 | 34.4   |
| POR=<br>92 YRS | 10.5 | 15.8 | 21.5 | 33.4 | 45.4 | 54.2 | 57.9 | 55.1 | 45.6 | 32.6 | 18.5 | 11.5 | 33.5   |

**HEATING DEGREE DAYS (base 65°F) 2011 TALKEETNA (PATK)**

| YEAR    | JUL | AUG | SEP | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY | JUN | TOTAL |
|---------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1982-83 | 255 | 281 | 561 | 1296 | 1441 | 1419 | 1621 | 1300 | 1213 | 880  | 520 | 251 | 11038 |
| 1983-84 | 186 | 352 | 663 | 1038 | 1262 | 1584 | 1665 | 1449 | 981  | 892  | 598 | 270 | 10940 |
| 1984-85 | 213 | 324 | 491 | 970  | 1429 | 1571 | 1143 | 1609 | 1351 | 1217 | 695 | 374 | 11387 |
| 1985-86 | 162 | 345 | 592 | 1172 | 1735 | 1225 | 1338 | 1276 | 1341 | 1079 | 582 | 274 | 11121 |
| 1986-87 | 208 | 388 | 536 | 863  | 1320 | 1262 | 1410 | 1185 | 1251 | 873  | 583 | 341 | 10220 |
| 1987-88 | 221 | 249 | 578 | 871  | 1218 | 1647 | 1601 | 1283 | 1126 | 862  | 505 | 259 | 10420 |
| 1988-89 | 123 | 270 |     | 1031 | 1461 | 1449 | 2202 | 1492 | 1385 | 856  | 585 | 284 |       |
| 1989-90 | 144 | 224 | 482 | 1075 | 1550 | 1395 | 1746 | 1940 | 1176 | 799  | 485 | 174 | 11190 |
| 1990-91 | 140 | 234 | 545 | 1129 | 1804 | 1655 | 1650 | 1338 | 1416 | 850  | 596 | 210 | 11567 |
| 1991-92 | 213 | 307 | 479 | 1087 | 1288 | 1518 | 1490 | 1488 | 1324 | 975  | 666 | 261 | 11096 |
| 1992-93 | 168 | 320 | 821 | 1094 | 1282 | 1833 | 1761 | 1238 | 1224 | 786  | 469 | 223 | 11219 |
| 1993-94 | 108 | 258 | 600 | 892  | 1380 | 1341 | 1366 | 1427 | 1301 | 838  | 558 | 258 | 10327 |
| 1994-95 | 177 | 216 | 547 | 1029 | 1646 | 1607 | 1690 | 1344 | 1556 | 776  | 504 | 270 | 11362 |
| 1995-96 | 164 | 263 | 368 | 1378 | 1525 | 1525 | 1885 | 1556 | 1182 | 843  | 480 | 258 |       |
| 1996-97 | 173 | 315 | 616 | 1278 | 1503 | 1616 | 1649 | 988  | 1329 | 823  | 530 | 191 | 11011 |
| 1997-98 | 78  | 226 | 439 | 1171 | 1177 | 1682 | 1533 | 1125 | 1161 | 797  | 624 | 292 | 10305 |
| 1998-99 | 201 | 381 | 527 | 926  | 1323 | 1675 | 1740 | 1738 | 1284 | 933  | 607 | 232 | 11567 |
| 1999-00 | 182 | 261 | 524 | 1026 | 1442 | 1733 | 1644 | 1156 | 1123 | 846  | 645 | 225 | 10807 |
| 2000-01 | 221 | 345 | 583 | 995  | 1164 | 1316 | 1245 | 1227 | 1115 | 885  | 675 | 170 | 9941  |
| 2001-02 | 196 | 189 | 467 | 1109 | 1406 | 1748 | 1354 | 1159 | 1319 | 1006 | 465 | 210 | 10628 |
| 2002-03 | 104 | 245 | 445 | 728  | 858  | 1261 | 1211 | 931  | 1170 | 754  | 459 | 155 | 8321  |
| 2003-04 | 69  | 161 | 451 | 705  | 1324 | 1486 | 1691 | 1042 | 1252 | 790  | 410 | 145 | 9526  |
| 2004-05 | 64  | 112 | 683 | 899  | 1148 | 1407 | 1489 | 1289 | 1047 | 796  | 439 | 156 | 9529  |
| 2005-06 | 87  | 202 | 456 | 935  | 1553 | 1314 | 1838 | 1307 | 1341 | 902  | 489 | 316 | 10740 |
| 2006-07 | 167 | 326 | 474 | 886  | 1454 | 1418 | 1621 | 1434 | 1654 | 779  | 513 | 222 | 10948 |
| 2007-08 | 197 | 201 | 483 | 974  | 1075 | 1505 | 1772 | 1441 | 1151 | 980  | 593 | 326 | 10698 |
| 2008-09 | 261 | 309 | 518 | 1183 | 1387 | 1722 | 1694 | 1496 | 1390 | 939  | 519 | 264 | 11682 |
| 2009-10 | 94  | 301 | 506 | 820  | 1529 | 1569 | 1471 | 1111 | 1191 | 846  | 473 | 313 | 10224 |
| 2010-11 | 250 | 239 | 483 | 858  | 1288 | 1750 | 1564 | 1474 | 1274 | 862  | 525 | 262 | 10829 |
| 2011-   | 210 | 310 | 499 | 916  | 1666 | 1482 |      |      |      |      |     |     |       |

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**COOLING DEGREE DAYS (base 65°F) 2011 TALKEETNA (PATK)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982 | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| 1983 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1984 | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 2   | 0   | 0   | 0   | 0   | 3     |
| 1985 | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 3     |
| 1986 | 0   | 0   | 0   | 0   | 0   | 4   | 2   | 0   | 0   | 0   | 0   | 0   | 6     |
| 1987 | 0   | 0   | 0   | 0   | 0   | 0   | 8   | 0   | 0   | 0   | 0   | 0   | 8     |
| 1988 | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 1   |     | 0   | 0   | 0   |       |
| 1989 | 0   | 0   | 0   | 0   | 0   | 1   | 8   | 3   | 0   | 0   | 0   | 0   | 12    |
| 1990 | 0   | 0   | 0   | 0   | 0   | 10  | 16  | 10  | 0   | 0   | 0   | 0   | 36    |
| 1991 | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 6     |
| 1992 | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| 1993 | 0   | 0   | 0   | 0   | 0   | 0   | 12  | 0   | 0   | 0   | 0   | 0   | 12    |
| 1994 | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 2   | 0   | 0   | 0   | 0   | 4     |
| 1995 | 0   | 0   | 0   | 0   | 0   | 1   | 3   | 0   | 0   | 0   | 0   | 0   |       |
| 1996 | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 6     |
| 1997 | 0   | 0   | 0   | 0   | 0   | 23  | 23  | 3   | 0   | 0   | 0   | 0   | 49    |
| 1998 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1999 | 0   | 0   | 0   | 0   | 0   | 1   | 19  | 1   | 0   | 0   | 0   | 0   | 21    |
| 2000 | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1     |
| 2001 | 0   | 0   | 0   | 0   | 0   | 9   | 0   | 0   | 0   | 0   | 0   | 0   | 9     |
| 2002 | 0   | 0   | 0   | 0   | 0   | 8   | 20  | 13  | 0   | 0   | 0   | 0   | 41    |
| 2003 | 0   | 0   | 0   | 0   | 0   | 9   | 51  | 14  | 0   | 0   | 0   | 0   | 74    |
| 2004 | 0   | 0   | 0   | 0   | 0   | 19  | 18  | 16  | 0   | 0   | 0   | 0   | 53    |
| 2005 | 0   | 0   | 0   | 0   | 0   | 4   | 3   | 12  | 0   | 0   | 0   | 0   | 19    |
| 2006 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2007 | 0   | 0   | 0   | 0   | 0   | 10  | 2   | 1   | 0   | 0   | 0   | 0   | 13    |
| 2008 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2009 | 0   | 0   | 0   | 0   | 0   | 0   | 27  | 0   | 0   | 0   | 0   | 0   | 27    |
| 2010 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2011 | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 2     |

**SNOWFALL (inches) 2011 TALKEETNA (PATK)**

| YEAR           | JUL | AUG | SEP | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1976-77        | 0.0 | 0.0 | 0.0 | 32.9 | 14.2 | 29.5 | 12.3 | 3.3  | 24.4 | 19.0 | T   | 0.0 | 135.6 |
| 1977-78        | 0.0 | 0.0 | T   | 12.9 | 4.8  | 28.3 | 5.0  | 17.1 | 17.1 | 4.3  | 0.0 | 0.0 | 89.5  |
| 1978-79        | 0.0 | 0.0 | 0.0 | 15.0 | 32.0 | 48.9 | 18.2 | T    | 24.4 | 16.1 | 2.6 | 0.0 | 157.2 |
| 1979-80        | 0.0 | 0.0 | 0.0 | 5.9  | 25.2 | 23.3 | 23.2 | 15.9 | 10.5 | 2.9  | 0.0 | 0.0 | 106.9 |
| 1980-81        | 0.0 | 0.0 | 0.0 | 4.3  | 15.5 | 8.1  | 13.2 | 19.8 | 2.7  | 3.1  | 0.0 | 0.0 | 66.7  |
| 1981-82        | 0.0 | 0.0 | 0.0 | 5.1  | 23.2 | 8.9  | 0.4  | 1.8  | 24.7 | 7.6  | T   | 0.0 | 71.7  |
| 1982-83        | 0.0 | 0.0 | 0.0 | 28.5 | 27.0 | 10.3 | 11.9 | 11.0 | 2.1  | 26.7 | 0.0 | 0.0 | 117.5 |
| 1983-84        | 0.0 | 0.0 | 2.2 | 27.0 | 3.9  | 7.6  | 31.6 | 19.4 | 1.1  | 12.3 | 0.0 | 0.0 | 105.1 |
| 1984-85        | 0.0 | 0.0 | 0.0 | 3.0  | 7.2  | 47.5 | 25.8 | 34.4 | 31.4 | 12.9 | 9.4 | 0.0 | 171.6 |
| 1985-86        | 0.0 | 0.0 | T   | 6.6  | 11.8 | 5.6  | 16.2 | 6.7  | 10.1 | 12.1 | 6.5 | 0.0 | 75.6  |
| 1986-87        | 0.0 | 0.0 | 0.0 | 0.0  | 30.9 | 22.5 | 37.9 | 19.5 | 1.5  | 9.0  | 0.0 | 0.0 | 121.3 |
| 1987-88        | 0.0 | 0.0 | 0.0 | T    | 37.4 | 45.3 | 7.5  | 29.2 | 18.9 | 5.0  | 0.0 | 0.0 | 143.3 |
| 1988-89        | 0.0 | 0.0 | 0.0 | 18.3 | 23.3 | 45.1 | 19.9 | 29.8 | 23.5 | T    | T   | 0.0 | 159.9 |
| 1989-90        | 0.0 | 0.0 | 0.0 | 20.8 | 29.7 | 40.5 | 60.3 | 60.3 | 43.6 | 2.1  | 0.0 | 0.0 | 257.3 |
| 1990-91        | 0.0 | 0.0 | T   | 11.3 | 15.2 | 79.0 | 46.8 | 9.3  | 44.9 | 2.3  | 0.2 | 0.0 | 209.0 |
| 1991-92        | 0.0 | 0.0 | 0.0 | 15.6 | 15.5 | 55.1 | 39.4 | 31.6 | 7.9  | 2.3  | 0.7 | 0.0 | 168.1 |
| 1992-93        | 0.0 | 0.0 | 6.8 | 15.1 | 44.6 | 37.1 | 57.0 | 6.0  | 7.3  | T    | 0.0 | 0.0 | 173.9 |
| 1993-94        | 0.0 | 0.0 | T   | 10.7 | 45.3 | 17.6 | 14.4 | 5.6  | 34.4 | 30.6 | T   | 0.0 | 158.6 |
| 1994-95        | 0.0 | 0.0 | 0.0 | 3.0  | 50.3 | 58.6 | 15.9 | 10.8 | 7.9  | T    | 0.0 | 0.0 | 146.5 |
| 1995-96        | 0.0 | 0.0 | 0.0 |      | 9.4  | 2.6  | 8.7  | 61.9 | 12.9 | 4.1  | 0.0 | 0.0 |       |
| 1996-97        | 0.0 | 0.0 | 2.3 | 29.1 | 24.6 | 5.1  | 7.4  | 18.2 | 9.7  | T    | 0.0 | 0.0 | 96.4  |
| 1997-98        | 0.0 | 0.0 | T   | 19.0 | 23.4 | 29.6 |      |      |      |      |     |     |       |
| 1998-99        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 1999-00        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2000-01        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2001-02        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2002-03        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2003-04        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2004-05        |     |     |     |      |      |      |      |      |      |      |     |     |       |
| 2005-          |     |     |     |      |      |      |      |      |      |      |     |     |       |
| POR=<br>61 YRS | 0.0 | 0.0 | 0.6 | 10.5 | 18.0 | 22.7 | 20.2 | 21.0 | 19.3 | 9.2  | 0.8 | 0.0 | 122.3 |

WBAN : 26528

**REFERENCE NOTES :**

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| <p>PAGE 1:<br/>THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3:<br/>H/C INDICATES HEATING AND COOLING DEGREE DAYS.<br/>RH INDICATES RELATIVE HUMIDITY<br/>W/O INDICATES WEATHER AND OBSTRUCTIONS<br/>S INDICATES SUNSHINE.<br/>PR INDICATES PRESSURE.<br/>CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL:<br/>T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.<br/>+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.<br/>BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.<br/>NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).<br/>ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.<br/>PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.<br/>POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.<br/>WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.<br/>0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.<br/>CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.<br/>THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.<br/>CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.<br/>WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.<br/>STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</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 the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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# 2011 TALKEETNA ALASKA (PATK)

Talkeetna is located 80 airline miles north of Anchorage, and can be reached by both road and air. It lies in the upper end of a broad valley, on the southeast shore of the junction point of the Talkeetna and Susitna Rivers. The junction point of the Chulitna and Susitna Rivers occurs about 3 miles to the northwest of the station. The valley at this point has a gradual slope from station elevation to the 1,000-foot level at a distance of 15 miles to the west-northwest, and 5 to 7 miles from the northeast through the southwest. Elevation changes in these directions are more rapid beyond this point reaching heights of 4,000 to 6,000 feet at a distance of 25 to 30 miles. Except for isolated peaks (none close) of 2,500 to 4,000 feet there are no significant changes in elevation in the remaining directions. The area immediately surrounding the station is a composite of swampland and slightly higher ground which supports growth of birch and spruce trees.

The climate of Talkeetna varies in character between continental and modified maritime. Because of topography the annual precipitation is about half that measured on the Gulf of Alaska coast, and over twice that of the continental regime found in the interior. Temperature is definitely continental in nature. Like most areas of Alaska, Talkeetna experiences a January thaw with several days of above freezing temperatures. Although ground conditions become icy, the thaw conditions lower the total snow depth enough to prevent the accumulation of excessive amounts during the winter snow season. The warmest period in summer is from June through mid-July, with cooler weather after mid-July because of the cloudiness and precipitation maximums from late July through September.

Surface winds predominate north or south, depending on the season, because of the orientation of the valley. Velocity averages are relatively light.

Talkeetna is not a part of the agricultural area of Alaska. Normal moisture distribution results in a maximum rainfall at a time that crops should be maturing, and the freeze-free period, which on the average is from mid-June to mid-August, results in too short a growing period.

# Station History

TALKEETNA, AK

| NAME               | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform      |
|--------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| TALKEETNA STATE AP | 1981-12-31 | 1982-01-01 | 62° 18'  | -150° 6'  | 354            |            | COOP          |
| TALKEETNA STATE AP | 1973-01-01 | 1981-12-31 | 62° 18'  | -150° 6'  | 354            |            | COOP, WXSVC   |
| TALKEETNA STATE AP | 1998-01-01 | 2001-05-29 | 62° 19'  | -150° 5'  | 345            |            | ASOS, COOP    |
| TALKEETNA AP       | 1940-06-01 | 1949-09-01 | 62° 18'  | -150° 6'  |                |            | AIRWAYS       |
| TALKEETNA STATE AP | 1971-12-01 | 1973-01-01 | 62° 18'  | -150° 6'  | 351            |            | AIRWAYS, COOP |
| TALKEETNA AP       | 1949-09-01 | 1971-12-01 | 62° 18'  | -150° 6'  | 351            |            | AIRWAYS, COOP |
| TALKEETNA STATE AP | 1982-01-01 | 1998-01-01 | 62° 18'  | -150° 6'  | 345            |            | COOP          |
| TALKEETNA AP       | 2001-12-04 | 2010-07-11 | 62° 19'  | -150° 5'  | 350            | 250 FT WSW | ASOS, COOP    |
| TALKEETNA AP       | 2001-05-29 | 2001-12-04 | 62° 19'  | -150° 5'  | 345            |            | ASOS, COOP    |
| TALKEETNA AP       | 2010-07-11 | Present    | 62° 19'  | -150° 5'  | 350            |            | ASOS, COOP    |

# Element History

| Element  | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|----------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| TEMP     | 2001-12-04 | 2010-07-11 | DAILY     | 2400                | ATEMP       |                           |                    |
| PRECIP   | 2010-07-11 | Present    | HOURLY    | 2400                | AWPAG       | RCRD;HTD                  |                    |
| TEMP     | 1993-01-01 | 1999-08-01 | DAILY     | 2000                | MXMN        |                           |                    |
| TEMP     | 1999-08-01 | 2001-12-04 | DAILY     | 2400                | MXMN        |                           |                    |
| TEMP     | 2010-07-11 | Present    | DAILY     | 2400                | ATEMP       |                           |                    |
| TEMP     | 1940-06-01 | 1993-01-01 | DAILY     | 2000                |             |                           |                    |
| PRECIP   | 1999-08-01 | 2001-12-04 | DAILY     | 2400                | SRG         |                           |                    |
| PRECIP   | 1993-01-01 | 1999-08-01 | DAILY     | 2000                | SRG         |                           |                    |
| PRECIP   | 2001-12-04 | 2010-07-11 | DAILY     | 2400                | TB          | RCRD                      |                    |
| PRECIP   | 1940-06-01 | 1993-01-01 | DAILY     | 2000                |             |                           |                    |
| PRECIP   | 2010-07-11 | Present    | DAILY     | 2400                | PCPNX       |                           |                    |
| SNOWDPTH | 2010-07-11 | Present    | DAILY     | VAR                 | SNWSTK      |                           |                    |

\* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

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TDD : (828) 271-4010

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

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

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