

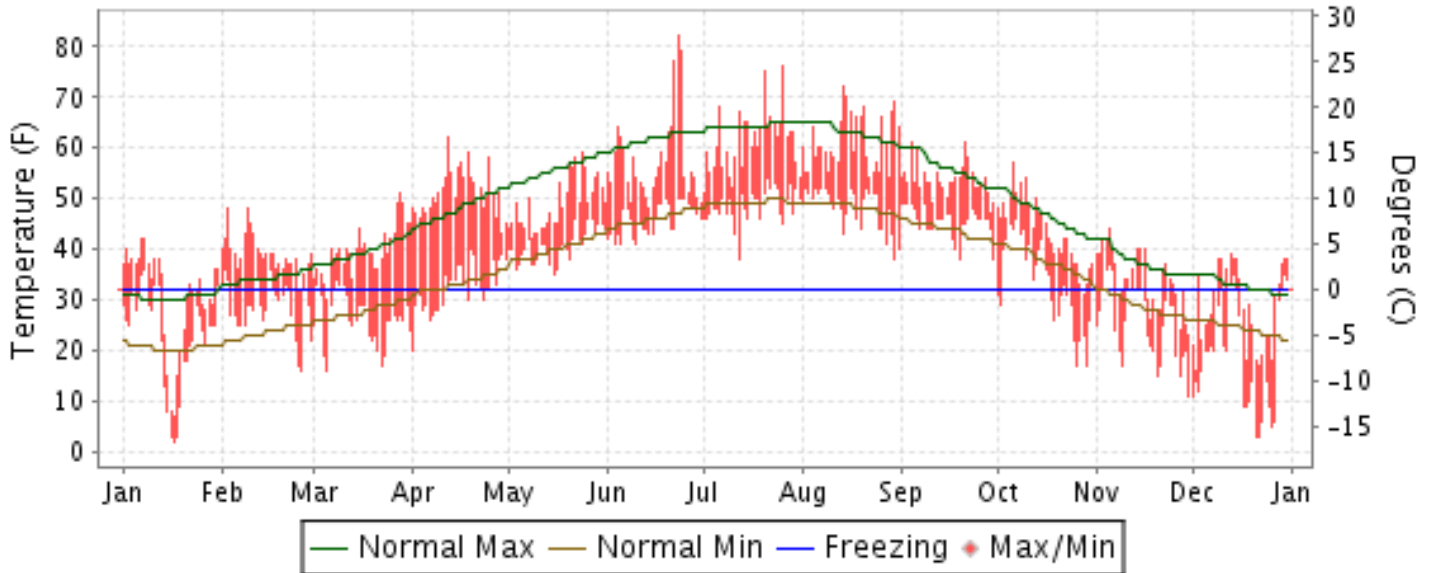


# 2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

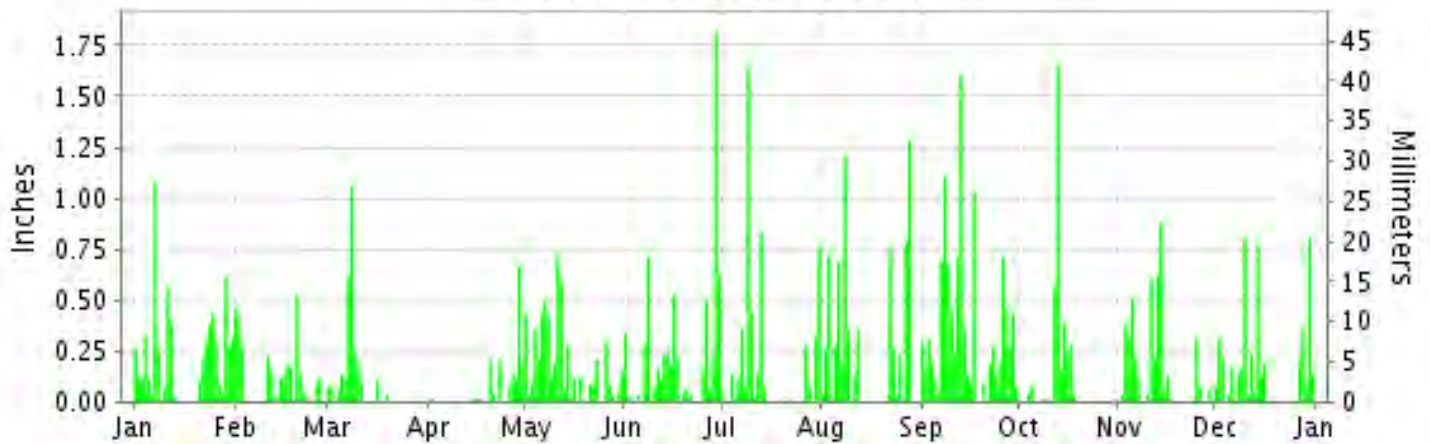
ISSN 0197-9760

## JUNEAU, ALASKA (PAJN)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2012

## JUNEAU (PAJN)

LATITUDE: 58° 21'N      LONGITUDE: 134° 33'W      ELEVATION (FT): GRND: 16 BARO: 40      TIME ZONE: ALASKA (UTC -9)      WBAN: 25309

| ELEMENT              |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |   |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|---|
| TEMPERATURE °F       | MEAN DAILY MAXIMUM          | 30.8  | 39.0  | 39.8  | 51.1  | 48.9  | 57.5  | 61.3  | 61.1  | 53.7  | 43.6  | 34.0  | 28.8   | 45.8      |   |
|                      | HIGHEST DAILY MAXIMUM       | 42    | 48    | 51    | 62    | 59    | 82    | 76    | 72    | 61    | 57    | 44    | 39     | 82        |   |
|                      | DATE OF OCCURRENCE          | 08+   | 09+   | 28    | 12    | 24    | 23    | 26    | 14    | 21+   | 06    | 05    | 13     | JUN 23    |   |
|                      | MEAN DAILY MINIMUM          | 23.0  | 28.4  | 26.3  | 32.4  | 40.5  | 45.8  | 48.5  | 48.1  | 45.5  | 33.4  | 25.5  | 18.8   | 34.7      |   |
|                      | LOWEST DAILY MINIMUM        | 2     | 16    | 16    | 20    | 35    | 41    | 38    | 38    | 38    | 17    | 11    | 3      | 2         |   |
|                      | DATE OF OCCURRENCE          | 17    | 26    | 05    | 01    | 15    | 10+   | 12    | 30    | 30+   | 29+   | 30    | 22+    | JAN 17    |   |
|                      | AVERAGE DRY BULB            | 26.9  | 33.7  | 33.1  | 41.8  | 44.7  | 51.7  | 54.9  | 54.6  | 49.6  | 38.5  | 29.8  | 23.8   | 40.3      |   |
|                      | MEAN WET BULB               | 25.5  | 32.5  | 30.9  | 38.3  | 42.5  | 48.8  | 51.5  | 52.3  | 48.2  | 35.8  | 28.4  | 22.7   | 38.1      |   |
|                      | MEAN DEW POINT              | 21.0  | 30.1  | 26.9  | 33.6  | 39.9  | 46.2  | 48.9  | 50.5  | 46.8  | 29.6  | 24.6  | 19.1   | 34.8      |   |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | MAXIMUM >= 70               | 0     | 0     | 0     | 0     | 0     | 3     | 2     | 2     | 0     | 0     | 0     | 0      | 0         | 7 |
|                      | MAXIMUM <= 32°              | 14    | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 13    | 19     | 50        |   |
| MINIMUM <= 32°       | 26                          | 23    | 27    | 15    | 0     | 0     | 0     | 0     | 0     | 14    | 27    | 27    | 159    |           |   |
| MINIMUM <= 0°        | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |           |   |
| H/C                  | HEATING DEGREE DAYS         | 1172  | 899   | 982   | 690   | 619   | 394   | 306   | 317   | 455   | 812   | 1051  | 1269   | 8966      |   |
|                      | COOLING DEGREE DAYS         | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 1         |   |
| RH                   | MEAN (PERCENT)              | 79    | 87    | 79    | 75    | 84    | 84    | 82    | 88    | 91    | 73    | 82    | 82     | 82        |   |
|                      | HOUR 03 LST                 | 81    | 92    | 89    | 90    | 92    | 94    | 92    | 96    | 94    | 77    | 84    | 82     | 89        |   |
|                      | HOUR 09 LST                 | 77    | 90    | 78    | 72    | 82    | 82    | 81    | 88    | 91    | 74    | 82    | 83     | 82        |   |
|                      | HOUR 15 LST                 | 78    | 78    | 67    | 56    | 77    | 72    | 71    | 78    | 86    | 67    | 76    | 81     | 74        |   |
|                      | HOUR 21 LST                 | 82    | 90    | 82    | 81    | 87    | 88    | 84    | 92    | 93    | 74    | 84    | 85     | 85        |   |
| W/O                  | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | HEAVY FOG(VISBY <= 1/4 MI)  | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 4     | 3     | 3     | 1      | 12        |   |
|                      | THUNDERSTORMS               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 0     | 0      | 1         |   |
| PR                   | MEAN STATION PRESS. (IN.)   | 29.63 | 29.83 | 29.53 | 29.84 | 29.92 | 29.86 | 30.03 | 29.98 | 29.99 | 29.96 | 29.73 | 29.70  | 29.83     |   |
|                      | MEAN SEA-LEVEL PRESS. (IN.) | 29.66 | 29.86 | 29.55 | 29.87 | 29.95 | 29.89 | 30.05 | 30.01 | 30.01 | 29.98 | 29.76 | 29.73  | 29.86     |   |
| WINDS                | RESULTANT SPEED (MPH)       | 8.8   | 7.4   | 5.5   | 3.0   | 7.4   | 3.5   | 1.3   | 3.1   | 7.6   | 5.5   | 3.8   | 5.9    | 5.2       |   |
|                      | RES. DIR. (TENS OF DEGS.)   | 11    | 11    | 11    | 13    | 11    | 12    | 12    | 10    | 10    | 10    | 11    | 10     | 11        |   |
|                      | MEAN SPEED (MPH)            | 10.5  | 8.6   | 7.3   | 6.4   | 9.6   | 6.7   | 4.8   | 5.3   | 8.8   | 7.2   | 5.0   | 6.7    | 7.2       |   |
|                      | PREVAIL.DIR.(TENS OF DEGS.) | 12    | 12    | 12    | 24    | 12    | 12    | 09    | 08    | 11    | 12    | 11    | 09     | 12        |   |
|                      | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | SPEED (MPH)                 | 41    | 41    | 39    | 43    | 35    | 28    | 21    | 22    | 36    | 30    | 35    | 33     | 43        |   |
|                      | DIR. (TENS OF DEGS.)        | 12    | 11    | 12    | 11    | 11    | 12    | 11    | 12    | 13    | 08    | 11    | 12     | 11        |   |
|                      | DATE OF OCCURRENCE          | 07    | 01    | 29    | 20    | 08    | 24    | 31    | 27    | 26    | 21    | 14    | 14     | APR 20    |   |
|                      | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | SPEED (MPH)                 | 54    | 56    | 48    | 55    | 44    | 37    | 28    | 30    | 44    | 39    | 46    | 41     | 56        |   |
| DIR. (TENS OF DEGS.) | 12                          | 12    | 11    | 11    | 13    | 12    | 12    | 13    | 12    | 07    | 11    | 12    | 12     |           |   |
| DATE OF OCCURRENCE   | 07                          | 03    | 08    | 20    | 11    | 24    | 07    | 08    | 26    | 21    | 14    | 14    | FEB 03 |           |   |
| PRECIPITATION        | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | TOTAL (IN.)                 | 6.43  | 3.10  | 2.82  | 1.68  | 5.73  | 6.69  | 5.37  | 7.59  | 11.02 | 3.50  | 4.59  | 4.92   | 63.44     |   |
|                      | GREATEST 24-HOUR (IN.)      | 1.12  | 0.74  | 1.06  | 0.72  | 0.85  | 1.85  | 1.96  | 1.88  | 1.77  | 1.72  | 0.88  | 0.84   | 1.96      |   |
|                      | DATE OF OCCURRENCE          | 07-08 | 01-02 | 08    | 28-29 | 07-08 | 29-30 | 09-10 | 27-28 | 13-14 | 12-13 | 14    | 29-30  | JUL 09-10 |   |
|                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
| PRECIPITATION 0.01   | 24                          | 18    | 13    | 11    | 26    | 24    | 18    | 16    | 27    | 12    | 17    | 19    | 225    |           |   |
| PRECIPITATION 0.10   | 18                          | 12    | 8     | 6     | 16    | 15    | 10    | 14    | 24    | 6     | 11    | 14    | 154    |           |   |
| PRECIPITATION 1.00   | 1                           | 0     | 1     | 0     | 0     | 1     | 1     | 2     | 3     | 1     | 0     | 0     | 10     |           |   |
| SNOWFALL             | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
|                      | TOTAL (IN.)                 | 48.6  | 4.8   | 14.6  | 0.0   | T     | 0.0   | 0.0   | 0.0   | 0.0   | 1.4   | 15.4  | 26.7   | 111.5     |   |
|                      | GREATEST 24-HOUR (IN.)      | 6.8   | 1.8   | 4.6   | 0.0   | T     | 0.0   | 0.0   | 0.0   | 0.0   | 1.4   | 5.2   | 5.0    | 6.8       |   |
|                      | DATE OF OCCURRENCE          | 25    | 27    | 05    |       | 15+   |       |       |       |       | 30    | 25    | 02     | JAN 25    |   |
|                      | MAXIMUM SNOW DEPTH (IN.)    | 20    | 11    | 6     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 6     | 15     | 20        |   |
|                      | DATE OF OCCURRENCE          | 30    | 01    | 06    |       |       |       |       |       |       | 31    | 30+   | 09     | JAN 30    |   |
| NUMBER OF DAYS WITH: |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |   |
| SNOWFALL >= 1.0      | 12                          | 3     | 5     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 5     | 10    | 36     |           |   |

# NORMALS, MEANS, AND EXTREMES

## JUNEAU (PAJN)

LATITUDE:  
58° 21'NLONGITUDE:  
134° 33'WELEVATION (FT):  
GRND: 16 BARO: 40TIME ZONE:  
ALASKA (UTC -9)

WBAN: 25309

| ELEMENT                                  |  | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |     |
|--|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|-----|
| TEMPERATURE °F                           | NORMAL DAILY MAXIMUM                               | 30   | 32.8  | 35.2  | 39.6  | 48.4  | 56.6  | 62.2  | 63.9  | 62.7  | 55.7  | 47.0  | 37.8  | 34.1     | 48.0     |     |
|  | MEAN DAILY MAXIMUM                                 | 68   | 30.1  | 34.2  | 38.7  | 47.3  | 55.5  | 61.4  | 63.6  | 62.6  | 55.0  | 47.0  | 37.6  | 32.5     | 47.1     |     |
|  | HIGHEST DAILY MAXIMUM                              | 68   | 57    | 57    | 61    | 74    | 82    | 86    | 90    | 84    | 73    | 61    | 56    | 54       | 90       |     |
|  | YEAR OF OCCURRENCE                                 |      | 1958  | 1992  | 1998  | 2003  | 1947  | 1969  | 1975  | 2004  | 1996  | 2003  | 1949  | 1999     | JUL 1975 |     |
|  | MEAN OF EXTREME MAXS.                              | 69   | 42.9  | 44.2  | 47.9  | 60.0  | 69.7  | 75.9  | 77.9  | 75.5  | 65.6  | 55.6  | 47.9  | 44.0     | 58.9     |     |
|  | NORMAL DAILY MINIMUM                               | 30   | 23.7  | 25.0  | 28.0  | 33.3  | 40.6  | 46.9  | 50.0  | 49.0  | 44.4  | 37.8  | 29.1  | 25.6     | 36.1     |     |
|  | MEAN DAILY MINIMUM                                 | 67   | 19.6  | 23.1  | 26.4  | 32.1  | 39.3  | 45.2  | 48.4  | 47.6  | 42.6  | 37.1  | 28.5  | 23.3     | 34.4     |     |
|  | LOWEST DAILY MINIMUM                               | 68   | -22   | -22   | -15   | 6     | 25    | 31    | 36    | 27    | 23    | 11    | -5    | -21      | -22      |     |
|  | YEAR OF OCCURRENCE                                 |      | 1972  | 1968  | 1972  | 1963  | 1972  | 1971  | 1950  | 1948  | 1972  | 1984  | 2006  | 1949     | JAN 1972 |     |
|  | MEAN OF EXTREME MINS.                              | 69   | 0.1   | 5.2   | 10.3  | 22.9  | 30.1  | 37.2  | 41.8  | 39.3  | 31.9  | 24.4  | 12.8  | 4.1      | 21.7     |     |
|  | NORMAL DRY BULB                                    | 30   | 28.3  | 30.1  | 33.8  | 40.8  | 48.6  | 54.6  | 56.9  | 55.9  | 50.0  | 42.4  | 33.4  | 29.9     | 42.1     |     |
|  | MEAN DRY BULB                                      | 67   | 24.9  | 28.6  | 32.6  | 39.7  | 47.5  | 53.5  | 56.0  | 55.1  | 48.9  | 42.1  | 33.1  | 27.9     | 40.8     |     |
|  | MEAN WET BULB                                      | 28   | 28.3  | 29.2  | 30.9  | 37.2  | 43.7  | 49.4  | 52.5  | 52.2  | 47.8  | 41.0  | 33.3  | 30.6     | 39.7     |     |
|  | MEAN DEW POINT                                     | 28   | 27.0  | 27.5  | 28.7  | 34.8  | 41.3  | 47.5  | 51.0  | 50.6  | 46.9  | 40.0  | 32.0  | 29.4     | 38.1     |     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 70             | 30   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0      | 0.0      | 0.0 |
|  | MAXIMUM <= 32                                      | 30   | 11.7  | 7.2   | 3.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 4.7   | 10.3     | 37.3     |     |
| MINIMUM <= 32                            | 30   | 22.8 | 19.8  | 20.1  | 11.1  | 1.6   | 0.0   | 0.0   | 0.0   | 0.6   | 6.1   | 16.5  | 20.6  | 119.2    |          |     |
| MINIMUM <= 0                             | 30   | 1.0  | 0.3   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.3   | 1.8      |          |     |
| H/C                                      | NORMAL HEATING DEG. DAYS                           | 30   | 1139  | 977   | 967   | 724   | 508   | 315   | 251   | 284   | 449   | 701   | 946   | 1090     | 8351     |     |
|  | NORMAL COOLING DEG. DAYS                           | 30   | 0     | 0     | 0     | 0     | 0     | 1     | 1     | 0     | 0     | 0     | 0     | 0        | 2        |     |
| RH                                       | NORMAL (PERCENT)                                   | 30   | 84    | 82    | 80    | 78    | 76    | 77    | 81    | 84    | 89    | 88    | 86    | 86       | 83       |     |
|  | HOURLY 03 LST                                      | 30   | 85    | 86    | 87    | 89    | 90    | 89    | 89    | 93    | 95    | 92    | 89    | 88       | 89       |     |
|  | HOURLY 09 LST                                      | 30   | 86    | 85    | 83    | 78    | 76    | 78    | 83    | 86    | 90    | 90    | 88    | 88       | 84       |     |
|  | HOURLY 15 LST                                      | 30   | 82    | 76    | 69    | 63    | 62    | 65    | 71    | 74    | 80    | 83    | 83    | 86       | 75       |     |
|  | HOURLY 21 LST                                      | 30   | 85    | 85    | 83    | 81    | 77    | 76    | 80    | 84    | 92    | 91    | 88    | 87       | 84       |     |
| S  | PERCENT POSSIBLE SUNSHINE                          | 33   | 32    | 32    | 37    | 39    | 39    | 34    | 31    | 32    | 26    | 19    | 23    | 20       | 30       |     |
| W/O                                      | MEAN NO. DAYS WITH:<br>HEAVY FOG (VISIB <= 1/4 MI) | 48   | 2.2   | 2.6   | 2.0   | 1.1   | 0.6   | 0.3   | 0.2   | 0.9   | 2.4   | 3.4   | 3.2   | 2.5      | 21.4     |     |
|  | THUNDERSTORMS                                      | 63   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.1   | 0.0   | 0.1   | 0.0   | 0.0   | 0.0      | 0.3      |     |
| CLOUDINESS                               | MEAN:<br>SUNRISE-SUNSET (OKTAS)                    | 48   | 6.2   | 6.4   | 6.4   | 6.4   | 6.3   | 6.5   | 6.6   | 6.3   | 6.8   | 7.0   | 6.7   | 6.7      | 6.5      |     |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                          | 16   | 5.2   | 5.7   | 6.1   | 5.9   | 6.3   | 6.1   | 6.2   | 5.9   | 6.4   | 6.6   | 6.0   | 6.1      | 6.0      |     |
|  | MEAN NO. DAYS WITH:<br>CLEAR                       | 48   | 5.7   | 4.3   | 4.4   | 3.7   | 3.8   | 3.4   | 2.8   | 3.9   | 2.7   | 2.4   | 3.3   | 3.2      | 43.6     |     |
|  | PARTLY CLOUDY                                      | 48   | 2.6   | 3.0   | 3.2   | 4.2   | 4.4   | 4.2   | 4.5   | 4.7   | 3.3   | 2.1   | 2.3   | 2.0      | 40.5     |     |
|  | CLOUDY   | 48   | 22.5  | 21.0  | 23.4  | 22.1  | 22.6  | 22.4  | 23.0  | 21.9  | 23.4  | 26.0  | 24.0  | 25.2     | 277.5    |     |
| PR                                       | MEAN STATION PRESSURE (IN)                         | 28   | 30.32 | 30.39 | 30.32 | 30.38 | 30.40 | 30.41 | 30.44 | 30.40 | 30.37 | 30.31 | 30.28 | 30.30    | 30.36    |     |
|  | MEAN SEA-LEVEL PRES. (IN)                          | 28   | 29.83 | 29.86 | 29.82 | 29.89 | 29.91 | 29.92 | 29.94 | 29.91 | 29.88 | 29.82 | 29.79 | 29.81    | 29.87    |     |
| WINDS                                    | MEAN SPEED (MPH)                                   | 28   | 7.3   | 7.3   | 7.8   | 7.6   | 7.5   | 6.8   | 6.7   | 6.8   | 7.8   | 8.5   | 7.8   | 7.9      | 7.5      |     |
|  | PREVAIL. DIR. (TENS OF DEGS)                       | 31   | 09    | 12    | 11    | 12    | 12    | 11    | 09    | 09    | 11    | 11    | 11    | 12       | 11       |     |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                   | 14   | 48    | 46    | 44    | 43    | 36    | 31    | 30    | 38    | 53    | 51    | 48    | 48       | 53       |     |
|  | DIR. (TENS OF DEGS)                                |      | 11    | 12    | 11    | 11    | 12    | 10    | 12    | 12    | 11    | 11    | 12    | 11       | 11       |     |
|  | YEAR OF OCCURRENCE                                 |      | 2008  | 2002  | 2010  | 2012  | 2001  | 2010  | 2003  | 1999  | 2011  | 2010  | 2009  | 2004     | SEP 2011 |     |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                    | 14   | 66    | 56    | 58    | 55    | 47    | 43    | 39    | 48    | 71    | 68    | 62    | 60       | 71       |     |
|  | DIR. (TENS OF DEGS)                                |      | 11    | 12    | 11    | 11    | 15    | 11    | 10    | 13    | 13    | 11    | 11    | 11       | 13       |     |
| YEAR OF OCCURRENCE                       |  | 2008 | 2012  | 2010  | 2012  | 1999  | 2010  | 2008  | 1999  | 2011  | 2010  | 2009  | 2004  | SEP 2011 |          |     |
| PRECIPITATION                            | NORMAL (IN)  | 30   | 5.35  | 4.13  | 3.78  | 2.94  | 3.40  | 3.24  | 4.60  | 5.73  | 8.64  | 8.63  | 5.99  | 5.84     | 62.27    |     |
|  | MAXIMUM MONTHLY (IN)                               | 68   | 9.38  | 8.48  | 6.50  | 7.48  | 9.20  | 6.69  | 10.36 | 12.31 | 15.14 | 15.25 | 13.38 | 13.61    | 15.25    |     |
|  | YEAR OF OCCURRENCE                                 |      | 2009  | 1964  | 1994  | 1999  | 1992  | 2012  | 1997  | 1961  | 1991  | 1974  | 2005  | 1997     | OCT 1974 |     |
|  | MINIMUM MONTHLY (IN)                               | 68   | 0.94  | 0.07  | 0.59  | 0.27  | 0.84  | 1.08  | 1.15  | 0.56  | 2.34  | 2.71  | 1.15  | 0.49     | 0.07     |     |
|  | YEAR OF OCCURRENCE                                 |      | 1969  | 1989  | 1983  | 1948  | 2004  | 1950  | 1972  | 1979  | 1965  | 1950  | 1983  | 1983     | FEB 1989 |     |
|  | MAXIMUM IN 24 HOURS (IN)                           | 68   | 2.74  | 2.71  | 1.81  | 2.05  | 2.30  | 2.26  | 2.46  | 2.62  | 3.35  | 4.66  | 3.57  | 3.56     | 4.66     |     |
|  | YEAR OF OCCURRENCE                                 |      | 1948  | 1993  | 1992  | 1997  | 1992  | 1996  | 2001  | 1974  | 1996  | 1946  | 2005  | 1956     | OCT 1946 |     |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01     | 30   | 20.6  | 16.6  | 18.9  | 17.0  | 16.3  | 15.8  | 17.7  | 19.1  | 22.4  | 23.9  | 20.9  | 20.6     | 229.8    |     |
|  | PRECIPITATION >= 1.00                              | 30   | 0.8   | 0.6   | 0.1   | 0.2   | 0.3   | 0.2   | 0.6   | 1.0   | 1.8   | 1.4   | 1.0   | 0.9      | 8.9      |     |
| SNOWFALL                                 | NORMAL (IN)  | 30   | 27.7  | 16.8  | 11.6  | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.8   | 13.1  | 15.6     | 86.7     |     |
|  | MAXIMUM MONTHLY (IN)                               | 68   | 75.2  | 86.3  | 62.7  | 46.3  | 1.2   | T     | 0.0   | 0.0   | T     | 15.6  | 69.8  | 54.7     | 86.3     |     |
|  | YEAR OF OCCURRENCE                                 |      | 2009  | 1965  | 2007  | 1963  | 1964  | 1970  | T     | T     | 1974  | 1956  | 1994  | 1964     | FEB 1965 |     |
|  | MAXIMUM IN 24 HOURS (IN)                           | 68   | 20.1  | 23.7  | 31.0  | 24.2  | 0.7   | T     | 0.0   | 0.0   | T     | 8.8   | 19.4  | 25.6     | 31.0     |     |
|  | YEAR OF OCCURRENCE                                 |      | 1975  | 1949  | 1948  | 1963  | 1945  | 1970  | T     | T     | 1974  | 1956  | 1994  | 1962     | MAR 1948 |     |
|  | MAXIMUM SNOW DEPTH (IN)                            | 62   | 38    | 41    | 40    | 33    | 0     | 0     | 0     | 0     | 0     | 7     | 28    | 36       | 41       |     |
|  | YEAR OF OCCURRENCE                                 |      | 1966  | 1949  | 1972  | 1963  |       |       |       |       |       | 1956  | 2006  | 1962     | FEB 1949 |     |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30   | 6.9  | 4.5   | 3.1   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 3.1   | 4.6   | 22.8     |          |     |

**PRECIPITATION (inches) 2012 JUNEAU (PAJN)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|----------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|
| 1983           | 4.00 | 1.69 | 0.59 | 2.53 | 5.37 | 2.69 | 3.16  | 9.52  | 6.13  | 4.24  | 1.15  | 0.49  | 41.56  |
| 1984           | 6.06 | 5.40 | 3.75 | 2.11 | 1.84 | 4.17 | 6.92  | 6.26  | 3.39  | 6.69  |       |       |        |
| 1985           |      |      |      |      |      |      |       |       |       |       |       | 8.33  |        |
| 1986           | 7.00 | 3.25 | 6.08 | 2.98 | 2.54 | 2.76 | 2.38  | 6.89  | 2.40  | 12.33 | 5.96  | 6.42  | 60.99  |
| 1987           | 3.99 | 3.13 | 2.12 | 2.08 | 2.60 | 6.02 | 2.54  | 4.54  | 8.92  | 10.36 | 7.17  | 5.32  | 58.79  |
| 1988           | 2.58 | 6.55 | 4.15 | 2.25 | 3.91 | 2.05 | 5.21  | 5.53  | 5.46  | 9.71  | 8.62  | 4.75  | 60.77  |
| 1989           | 6.77 | 0.07 | 1.33 | 0.87 | 3.44 | 1.10 | 3.81  | 2.82  | 7.29  | 6.37  | 6.23  | 6.78  | 46.88  |
| 1990           | 3.72 | 4.54 | 4.86 | 1.06 | 1.72 | 3.32 | 4.65  | 5.35  | 10.63 | 6.59  | 4.89  | 6.03  | 57.36  |
| 1991           | 4.16 | 6.55 | 4.41 | 4.73 | 4.72 | 3.41 | 4.85  | 9.60  | 15.14 | 8.63  | 9.63  | 9.32  | 85.15  |
| 1992           | 8.69 | 7.24 | 6.37 | 3.63 | 9.20 | 2.98 | 5.18  | 5.02  | 11.45 | 5.90  | 7.91  | 5.73  | 79.30  |
| 1993           | 9.11 | 8.09 | 3.50 | 1.94 | 2.19 | 4.92 | 2.25  | 3.20  | 8.44  | 9.00  | 11.06 | 7.89  | 71.59  |
| 1994           | 7.05 | 2.52 | 6.50 | 3.68 | 4.20 | 1.83 | 4.32  | 2.68  | 11.17 | 9.15  | 9.57  | 6.22  | 68.89  |
| 1995           | 1.78 | 2.83 | 3.01 | 2.08 | 2.85 | 3.45 | 4.36  | 5.01  | 7.43  | 6.04  | 2.93  | 4.58  | 46.35  |
| 1996           | 2.26 | 8.43 | 4.12 | 2.19 | 1.80 | 6.22 | 3.16  | 7.91  | 10.68 | 6.20  | 2.75  | 4.73  | 60.45  |
| 1997           | 2.73 | 8.17 | 3.91 | 4.41 | 3.25 | 3.51 | 10.36 | 3.93  | 8.26  | 7.85  | 4.63  | 13.61 | 74.62  |
| 1998           | 2.54 | 1.90 | 3.71 | 3.12 | 2.21 | 2.50 | 4.95  | 6.80  | 6.17  | 12.13 | 1.72  | 5.45  | 53.20  |
| 1999           | 8.14 | 2.66 | 2.58 | 7.48 | 5.69 | 2.69 | 4.10  | 6.77  | 10.62 | 12.19 | 5.77  | 10.30 | 78.99  |
| 2000           | 4.82 | 1.56 | 5.75 | 4.40 | 3.25 | 5.72 | 6.65  | 6.12  | 10.05 | 10.11 | 6.37  | 4.17  | 68.97  |
| 2001           | 7.43 | 4.40 | 3.33 | 2.19 | 5.19 | 1.65 | 7.26  | 3.66  | 8.37  | 7.80  | 3.62  | 4.49  | 59.39  |
| 2002           | 3.28 | 5.62 | 1.33 | 0.47 | 2.37 | 3.40 | 4.72  | 10.50 | 6.08  | 10.69 | 7.95  | 5.86  | 62.27  |
| 2003           | 5.68 | 1.44 | 3.56 | 0.86 | 2.90 | 3.74 | 3.44  | 4.53  | 11.41 | 4.44  | 6.21  | 5.92  | 54.13  |
| 2004           | 5.89 | 5.66 | 5.59 | 4.43 | 0.84 | 1.30 | 3.54  | 2.51  | 9.23  | 7.18  | 8.38  | 10.67 | 65.22  |
| 2005           | 5.90 | 6.12 | 4.18 | 2.94 | 0.89 | 3.00 | 5.25  | 6.58  | 9.92  | 9.12  | 13.38 | 6.74  | 74.02  |
| 2006           | 2.93 | 2.07 | 1.55 | 4.24 | 4.56 | 5.93 | 4.43  | 11.02 | 13.01 | 11.78 | 3.40  | 9.37  | 74.29  |
| 2007           | 6.25 | 3.00 | 4.81 | 2.99 | 4.27 | 1.85 | 6.71  | 2.35  | 9.09  | 11.67 | 3.15  | 3.75  | 59.89  |
| 2008           | 4.91 | 4.92 | 4.00 | 4.79 | 3.87 | 1.68 | 8.25  | 5.33  | 10.84 | 15.05 | 5.89  | 3.92  | 73.45  |
| 2009           | 9.38 | 3.89 | 2.95 | 2.17 | 2.67 | 2.83 | 2.35  | 7.30  | 8.92  | 5.65  | 7.20  | 3.95  | 59.26  |
| 2010           | 4.79 | 1.53 | 6.16 | 3.08 | 1.25 | 4.05 | 3.86  | 4.30  | 6.24  | 8.84  | 7.87  | 1.90  | 53.87  |
| 2011           | 5.26 | 5.65 | 1.28 | 1.83 | 2.82 | 4.50 | 3.51  | 10.72 | 8.58  | 7.39  | 7.68  | 7.44  | 66.66  |
| 2012           | 6.43 | 3.10 | 2.82 | 1.68 | 5.73 | 6.69 | 5.37  | 7.59  | 11.02 | 3.50  | 4.59  | 4.92  | 63.44  |
| POR=<br>68 YRS | 4.61 | 3.81 | 3.42 | 2.88 | 3.36 | 3.23 | 4.48  | 5.39  | 7.59  | 8.26  | 5.75  | 5.24  | 58.02  |

WBAN : 25309

**AVERAGE TEMPERATURE (°F) 2012 JUNEAU (PAJN)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1983           | 30.2 | 31.8 | 34.8 | 42.6 | 49.7 | 55.6 | 57.1 | 54.6 | 48.0 | 42.1 | 31.8 | 18.9 | 41.4   |
| 1984           | 32.0 |      | 39.6 | 43.1 | 49.1 | 53.5 | 55.5 | 55.3 | 50.0 | 40.5 |      |      |        |
| 1985           |      |      |      |      |      |      |      |      |      |      |      | 32.5 |        |
| 1986           | 34.3 | 28.7 | 35.3 | 37.3 | 46.6 | 54.3 | 56.8 | 54.4 | 50.7 | 45.8 | 30.5 | 36.0 | 42.6   |
| 1987           | 33.1 | 34.7 | 31.8 | 41.6 | 47.8 | 51.6 | 58.6 | 57.5 | 50.1 | 44.4 | 40.0 | 34.3 | 43.8   |
| 1988           | 27.0 | 32.6 | 37.6 | 41.7 | 48.5 | 54.0 | 53.8 | 53.9 | 48.2 | 44.1 | 36.2 | 31.3 | 42.4   |
| 1989           | 25.5 | 23.9 | 29.4 | 42.7 | 49.0 | 55.4 | 60.1 | 58.2 | 52.4 | 41.7 | 32.9 | 36.0 | 42.3   |
| 1990           | 26.4 | 25.1 | 36.4 | 42.7 | 49.7 | 55.0 | 59.3 | 58.1 | 51.2 | 40.7 | 26.4 | 23.7 | 41.2   |
| 1991           | 24.9 | 35.3 | 33.1 | 41.7 | 48.2 | 55.0 | 55.2 | 55.0 | 50.3 | 40.1 | 36.3 | 33.6 | 42.4   |
| 1992           | 35.7 | 32.7 | 36.9 | 41.1 | 46.4 | 55.2 | 57.0 | 56.0 | 46.8 | 40.5 | 38.4 | 25.6 | 42.7   |
| 1993           | 24.5 | 30.2 | 35.8 | 44.4 | 52.1 | 55.8 | 59.6 | 57.1 | 51.2 | 45.8 | 36.8 | 35.9 | 44.1   |
| 1994           | 27.7 | 18.4 | 36.7 | 43.3 | 48.1 | 54.9 | 57.4 | 59.3 | 50.2 | 43.3 | 29.4 | 27.7 | 41.4   |
| 1995           | 27.2 | 29.0 | 30.3 | 43.4 | 51.4 | 55.4 | 57.0 | 54.8 | 53.8 |      | 32.4 | 25.2 |        |
| 1996           | 16.6 | 29.0 | 32.8 | 40.7 | 48.7 | 54.1 | 57.7 | 54.7 | 48.9 | 40.2 | 31.3 | 26.5 | 40.1   |
| 1997           | 26.1 | 35.3 | 31.5 | 41.5 | 51.5 | 56.6 | 58.2 | 58.8 | 53.3 | 41.4 | 37.3 | 36.7 | 44.0   |
| 1998           | 24.5 | 37.1 | 35.0 | 42.4 | 50.1 | 55.9 | 57.5 | 54.2 | 49.4 | 42.8 | 33.1 | 27.9 | 42.5   |
| 1999           | 26.6 | 28.6 | 33.1 | 39.5 | 44.8 | 53.8 | 57.4 | 56.4 | 49.7 | 43.5 | 36.1 | 35.9 | 42.1   |
| 2000           | 26.5 | 31.7 | 36.3 | 39.7 | 46.9 | 53.0 | 55.3 | 54.4 | 49.0 | 41.9 | 37.7 | 31.2 | 42.0   |
| 2001           | 36.7 | 28.2 | 33.4 | 40.3 | 45.2 | 54.2 | 55.4 | 57.2 | 50.3 | 41.9 | 32.9 | 29.0 | 42.1   |
| 2002           | 30.6 | 30.8 | 28.3 | 36.3 | 47.1 | 54.8 | 54.6 | 54.4 | 49.6 | 44.3 | 40.1 | 31.9 | 41.9   |
| 2003           | 31.6 | 31.7 | 30.5 | 41.7 | 46.8 | 53.7 | 58.0 | 54.9 | 48.8 | 43.3 | 30.6 | 31.8 | 42.0   |
| 2004           | 25.2 | 35.5 | 34.7 | 41.0 | 51.7 | 58.0 | 59.6 | 59.4 | 48.8 | 41.2 | 36.8 | 32.1 | 43.7   |
| 2005           | 25.2 | 30.7 | 37.5 | 44.0 | 52.7 | 56.1 | 56.3 | 57.2 | 51.1 | 41.7 | 35.5 | 33.7 | 43.5   |
| 2006           | 29.5 | 28.5 | 27.8 | 39.0 | 47.8 | 54.5 | 56.3 | 53.1 | 50.0 | 42.3 | 19.4 | 34.3 | 40.2   |
| 2007           | 31.0 | 25.1 | 28.4 | 38.6 | 46.8 | 54.4 | 56.7 | 56.5 | 49.7 | 42.0 | 34.9 | 27.4 | 41.0   |
| 2008           | 26.0 | 27.9 | 35.1 | 38.3 | 48.0 | 50.9 | 53.3 | 53.8 | 49.5 | 41.1 | 35.4 | 22.3 | 40.1   |
| 2009           | 25.8 | 27.1 | 28.5 | 39.2 | 48.1 | 54.9 | 59.9 | 55.9 | 49.8 | 42.6 | 35.0 | 27.9 | 41.2   |
| 2010           | 29.6 | 36.4 | 36.6 | 41.9 | 50.8 | 53.9 | 54.9 | 56.9 | 50.9 | 42.7 | 34.7 | 23.1 | 42.7   |
| 2011           | 28.2 | 25.2 | 28.8 | 39.1 | 48.2 | 54.0 | 55.9 | 53.1 | 48.9 | 42.2 | 29.7 | 33.8 | 40.6   |
| 2012           | 26.9 | 33.7 | 33.1 | 41.8 | 44.7 | 51.7 | 54.9 | 54.6 | 49.6 | 38.5 | 29.8 | 23.8 | 40.3   |
| POR=<br>67 YRS | 24.9 | 28.6 | 32.6 | 39.7 | 47.5 | 53.5 | 56.0 | 55.1 | 48.9 | 42.1 | 33.1 | 27.9 | 40.8   |

**HEATING DEGREE DAYS (base 65°F) 2012 JUNEAU (PAJN)**

| YEAR    | JUL | AUG | SEP | OCT | NOV  | DEC  | JAN  | FEB  | MAR  | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1983-84 | 237 | 317 | 502 | 701 | 991  | 1423 | 1014 |      | 780  | 649 | 486 | 338 |       |
| 1984-85 | 286 | 291 | 444 | 754 |      |      |      |      |      |     |     |     |       |
| 1985-86 |     |     |     |     |      | 1001 | 943  | 1011 | 913  | 822 | 564 | 316 |       |
| 1986-87 | 249 | 319 | 423 | 587 | 1028 | 891  | 982  | 841  | 1020 | 697 | 526 | 394 | 7957  |
| 1987-88 | 199 | 222 | 440 | 635 | 744  | 944  | 1169 | 935  | 844  | 691 | 508 | 324 | 7655  |
| 1988-89 | 338 | 338 | 497 | 641 | 855  | 1040 | 1217 | 1144 | 1097 | 663 | 491 | 283 | 8604  |
| 1989-90 | 159 | 210 | 370 | 713 | 959  | 890  | 1191 | 1109 | 879  | 661 | 467 | 295 | 7903  |
| 1990-91 | 180 | 210 | 407 | 748 | 1152 | 1274 | 1238 | 823  | 981  | 694 | 516 | 298 | 8521  |
| 1991-92 | 294 | 303 | 435 | 764 | 855  | 966  | 902  | 930  | 865  | 712 | 571 | 292 | 7889  |
| 1992-93 | 240 | 274 | 540 | 750 | 791  | 1217 | 1250 | 966  | 899  | 612 | 394 | 271 | 8204  |
| 1993-94 | 166 | 240 | 406 | 588 | 838  | 891  | 1147 | 1298 | 869  | 641 | 514 | 299 | 7897  |
| 1994-95 | 229 | 171 | 437 | 668 | 1061 | 1150 | 1165 | 1003 | 1066 | 641 | 416 | 285 | 8292  |
| 1995-96 | 241 | 309 | 329 |     | 971  | 1229 | 1493 | 1038 | 993  | 719 | 498 | 322 |       |
| 1996-97 | 218 | 312 | 476 | 764 | 1004 | 1187 | 1196 | 826  | 1031 | 698 | 414 | 252 | 8378  |
| 1997-98 | 203 | 183 | 345 | 725 | 823  | 869  | 1247 | 776  | 926  | 673 | 457 | 266 | 7493  |
| 1998-99 | 224 | 331 | 463 | 681 | 951  | 1141 | 1181 | 1012 | 978  | 758 | 619 | 329 | 8668  |
| 1999-00 | 230 | 264 | 452 | 660 | 858  | 895  | 1184 | 959  | 882  | 751 | 552 | 354 | 8041  |
| 2000-01 | 295 | 322 | 471 | 710 | 813  | 1040 | 873  | 1026 | 972  | 734 | 605 | 320 | 8181  |
| 2001-02 | 292 | 235 | 434 | 709 | 956  | 1111 | 1060 | 951  | 1131 | 856 | 549 | 299 | 8583  |
| 2002-03 | 316 | 325 | 455 | 636 | 740  | 1019 | 1027 | 927  | 1064 | 690 | 555 | 330 | 8084  |
| 2003-04 | 210 | 306 | 478 | 665 | 1026 | 1020 | 1225 | 849  | 933  | 713 | 406 | 220 | 8051  |
| 2004-05 | 163 | 172 | 478 | 730 | 838  | 1011 | 1222 | 954  | 848  | 622 | 373 | 260 | 7671  |
| 2005-06 | 265 | 240 | 413 | 715 | 877  | 961  | 1094 | 1019 | 1147 | 774 | 526 | 306 | 8337  |
| 2006-07 | 264 | 364 | 444 | 700 | 1361 | 943  | 1048 | 1108 | 1130 | 784 | 559 | 313 | 9018  |
| 2007-08 | 251 | 257 | 452 | 707 | 895  | 1159 | 1200 | 1071 | 919  | 794 | 519 | 415 | 8639  |
| 2008-09 | 357 | 338 | 457 | 732 | 882  | 1317 | 1210 | 1057 | 1123 | 770 | 518 | 296 | 9057  |
| 2009-10 | 156 | 276 | 450 | 685 | 892  | 1141 | 1092 | 795  | 871  | 685 | 433 | 328 | 7804  |
| 2010-11 | 306 | 248 | 416 | 682 | 901  | 1292 | 1136 | 1107 | 1117 | 772 | 513 | 326 | 8816  |
| 2011-12 | 269 | 361 | 478 | 700 | 1052 | 962  | 1172 | 899  | 982  | 690 | 619 | 394 | 8578  |
| 2012-   | 306 | 317 | 455 | 812 | 1051 | 1269 |      |      |      |     |     |     |       |

WBAN : 25309

**COOLING DEGREE DAYS (base 65°F) 2012 JUNEAU (PAJN)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1983 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1984 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1985 |     |     |     |     |     |     |     |     |     |     |     | 0   |       |
| 1986 | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 2     |
| 1987 | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 5     |
| 1988 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1989 | 0   | 0   | 0   | 0   | 0   | 0   | 14  | 0   | 0   | 0   | 0   | 0   | 14    |
| 1990 | 0   | 0   | 0   | 0   | 0   | 1   | 8   | 3   | 0   | 0   | 0   | 0   | 12    |
| 1991 | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 6     |
| 1992 | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 6     |
| 1993 | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 5     |
| 1994 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 2     |
| 1995 | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |
| 1996 | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 2     |
| 1997 | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 0   | 6     |
| 1998 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 1999 | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 3   | 0   | 0   | 0   | 0   | 5     |
| 2000 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2001 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2002 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2003 | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 3     |
| 2004 | 0   | 0   | 0   | 0   | 0   | 17  | 2   | 5   | 0   | 0   | 0   | 0   | 24    |
| 2005 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 2     |
| 2006 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2007 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2008 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2009 | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 0   | 0   | 0   | 0   | 0   | 6     |
| 2010 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2011 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0     |
| 2012 | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1     |

## SNOWFALL (inches) 2012 JUNEAU (PAJN)

| YEAR           | JUL | AUG | SEP | OCT | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1983-84        | 0.0 | 0.0 | 0.0 | 0.0 | 8.1  | 13.3 | 43.1 | 0.7  | 1.0  | T    | T   | 0.0 | 66.2  |
| 1984-85        | 0.0 | 0.0 | 0.0 | 0.0 |      |      |      |      |      |      |     |     |       |
| 1985-86        |     |     |     |     |      | 2.0  | 10.3 | 7.4  | 30.4 | 4.4  | T   | 0.0 |       |
| 1986-87        | 0.0 | 0.0 | 0.0 | T   | 22.1 | 1.4  | 3.3  | 1.4  | 7.3  | T    | 0.0 | 0.0 | 35.5  |
| 1987-88        | 0.0 | 0.0 | 0.0 | T   | 4.6  | 6.8  | 3.5  | 8.0  | 1.0  | 0.5  | 0.0 | 0.0 | 24.4  |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 4.8  | 11.3 | 44.7 | 0.2  | 10.0 | T    | 0.0 | 0.0 | 71.0  |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.6 | 32.5 | 6.4  | 36.5 | 39.4 | 0.6  | 0.0  | 0.0 | 0.0 | 116.0 |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 48.8 | 33.2 | 31.8 | 15.5 | 9.4  | 0.8  | T   | 0.0 | 139.5 |
| 1991-92        | 0.0 | 0.0 | 0.0 | 5.4 | 7.7  | 49.3 | 14.3 | 12.4 | 4.1  | T    | T   | 0.0 | 93.2  |
| 1992-93        | 0.0 | 0.0 | 0.0 | 1.1 | 4.4  | 25.0 | 32.5 | 36.8 | 2.6  | T    | 0.0 | 0.0 | 102.4 |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | 4.3  | 10.4 | 61.2 | 32.4 | 22.9 | T    | 0.0 | 0.0 | 131.2 |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | 69.8 | 25.8 | 8.6  | 14.0 | 28.4 | T    | 0.0 | 0.0 | 146.6 |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 2.9  | 23.0 | 20.8 | 33.1 | 5.5  | T    | 0.0 | 0.0 | 85.3  |
| 1996-97        | 0.0 | 0.0 | 0.0 | .5  | 2.5  | 4.6  | 12.3 | 17.3 | 19.2 | 0.4  | 0.0 | 0.0 | 56.8  |
| 1997-98        | 0.0 | 0.0 | 0.0 | 1.9 | 1.2  | 14.9 | 12.9 | 0.5  |      |      |     |     |       |
| 1998-99        |     |     |     |     |      | 22.8 | 53.1 | 34.2 | 7.3  | 1.1  | T   | 0.0 |       |
| 1999-00        | 0.0 | 0.0 | 0.0 | T   | 5.1  | 19.9 | 13.6 | 4.6  | T    | T    | 0.0 | 0.0 | 43.2  |
| 2000-01        | 0.0 | 0.0 | T   | 2.3 | 1.0  | 2.3  | 7.6  | 14.9 | 0.6  | T    | T   | 0.0 | 28.7  |
| 2001-02        | 0.0 | 0.0 | 0.0 | 3.4 | 3.1  | 25.5 | 18.9 | 28.9 | 2.5  | T    | 0.0 | 0.0 | 82.3  |
| 2002-03        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 17.7 | 15.3 | 6.2  | 17.7 | T    | 0.0 | 0.0 | 56.9  |
| 2003-04        | 0.0 | 0.0 | 0.0 | 0.0 | 24.9 | 11.9 | 34.2 | 2.8  | 18.5 | T    | 0.0 | 0.0 | 92.3  |
| 2004-05        | 0.0 | 0.0 | 0.0 | T   | 1.9  | 10.8 | 46.7 | 16.6 | 1.0  | 1.6  | 0.0 | 0.0 | 78.6  |
| 2005-06        | 0.0 | 0.0 | 0.0 | 0.0 | 8.3  | 4.6  | 30.8 | 3.2  | 6.9  | 0.5  | T   | 0.0 | 54.3  |
| 2006-07        | 0.0 | 0.0 | 0.0 | T   | 64.2 | 25.4 | 27.5 | 10.6 | 62.7 | 0.0  | 0.0 | 0.0 | 190.4 |
| 2007-08        | 0.0 | 0.0 | 0.0 | 0.0 | 4.5  | 12.6 | 22.9 | 43.9 | 13.5 | 13.7 | T   | 0.0 | 111.1 |
| 2008-09        | 0.0 | 0.0 | 0.0 | 4.6 | 3.8  | 32.7 | 75.2 | 30.4 | 31.3 | 2.2  | 0.0 | 0.0 | 180.2 |
| 2009-10        | 0.0 | 0.0 | 0.0 | 0.2 | 19.8 | 8.9  | 20.4 | 0.4  | 12.6 | 3.3  | T   | 0.0 | 65.6  |
| 2010-11        | 0.0 | 0.0 | 0.0 | 0.0 | 7.7  | 20.1 | 15.5 | 30.2 | 4.6  | 0.3  | 0.0 | 0.0 | 78.4  |
| 2011-12        | 0.0 | 0.0 | 0.0 | T   | 49.0 | 14.5 | 48.6 | 4.8  | 14.6 | 0.0  | T   | 0.0 | 131.5 |
| 2012-          | 0.0 | 0.0 | 0.0 | 1.4 | 15.4 | 26.7 |      |      |      |      |     |     |       |
| POR=<br>67 YRS | 0.0 | 0.0 | T   | 1.0 | 12.0 | 21.5 | 26.3 | 18.5 | 13.8 | 2.5  | T   | 0.0 | 95.6  |

WBAN : 25309

### REFERENCE NOTES :

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

PAGE 2 AND 3:

H/C INDICATES HEATING AND COOLING DEGREE DAYS.

RH INDICATES RELATIVE HUMIDITY

W/O INDICATES WEATHER AND OBSTRUCTIONS

S INDICATES SUNSHINE.

PR INDICATES PRESSURE.

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

GENERAL:

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

+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.

PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.

POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA

MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE

THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY

BE MISSING.

WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS,

THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER

OF YEARS INDICATED.

0.\* OR \* INDICATES THE VALUE OR MEAN-DAYS-WITH

IS BETWEEN 0.00 AND 0.05.

CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS

OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION

CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA

FOR CLOUDS AT OR BELOW 12,000 FEET

CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES

3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.

GENERAL CONTINUED:

WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS)

CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36"

INDICATES TRUE NORTH.

RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND

DIRECTION.

AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM

AND MINIMUM TEMPERATURE DIVIDED BY 2.

SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN

PRECIPITATION, INCLUDING HAIL.

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

DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.

DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE

COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.

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

ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED

SATION HISTORY INFORMATION GO TO "Historical Observing Metadata

Repository", URL IS:

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

SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER

YEARS INCLUDED UNLESS RESTARTED.

#### NOTE:

The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

- 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
- 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at:  
<http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt>.

# 2012 JUNEAU ALASKA (PAJN)

Juneau lies well within the area of maritime influences which prevail over the coastal areas of southeastern Alaska, and is in the path of most storms that cross the Gulf of Alaska. Consequently, the area has little sunshine, generally moderate temperatures, and abundant precipitation. In contrast with the characteristic lack of sunshine there are greatly appreciated intervals, sometimes lasting for several days at a stretch, during which clear skies prevail. The rugged terrain exerts a fundamental influence upon local temperatures and the distribution of precipitation, creating considerable variations in both weather elements within relatively short distances.

Temperature variations, both daily and seasonal, are usually confined to relatively narrow limits by the dominant maritime influences. There are, however, periods of comparatively severe cold, which usually start with strong northerly winds, and are most often caused by the flow of cold air from northwestern Canada through nearby mountain passes and over the Juneau ice field. These are generally of brief duration. During such periods strong, gusty winds, known locally as Taku Winds, often occur especially in downtown Juneau, Douglas, and other local areas, but generally they are not felt in the Mendenhall Valley. At times these are strong enough to cause considerable damage. During periods of calm or light winds, temperature differences within short distances are frequently very pronounced. Variations in local sunlight and air drainage patterns produce wide differences in temperatures particularly between upland or sloping areas and areas of low, flat terrain. Juneau International Airport, located on low, flat terrain formed by the Mendenhall River delta, and in the path of drainage air from the Mendenhall Glacier, averages about 10 days a year with minimum readings below zero. Downtown Juneau, located on a sloping portion of a rugged mountain area, experiences on the average only about one day each year with minimum readings below zero. At the airport the growing season averages 146 days, from May 4 to September 28, while the downtown average is 181 days, from April 22 to October 21.

The months of February to June mark the period of lightest precipitation, with monthly averages of about 3 inches. After June the monthly amounts increase gradually, reaching an average of 7.71 inches in October. Due to the rugged topography, precipitation throughout the year tends to vary greatly within short distances. At the Juneau Airport, yearly precipitation is 53 inches while downtown, only 8 miles away, it is 93 inches. The maximum yearly amount received in the city is almost double the maximum received at the airport.

Although a trace of snow has fallen as early as September 9, first falls usually occur in the latter part of October, and sometimes not until the first part of December. On the average there is very little accumulation on the ground at low levels until the last of November, although at higher elevations, and particularly on mountain tops, a cover is usually established in early October. Snow accumulation usually reaches its greatest depth during the middle of February. Individual storms may produce heavy falls as late as the first half of May. However, snow cover is usually gone before the middle of April. Ice accumulations due to alternating thawing and freezing of snow or due to freezing precipitation are frequent problems in the Juneau area during the winter months.

# Station History

JUNEAU, AK

| NAME                | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform            |
|---------------------|------------|------------|----------|-----------|----------------|------------|---------------------|
| JUNEAU INTL AP      | 1982-01-01 | 1998-03-01 | 58° 22'  | -134° 34' | 12             |            | COOP                |
| JUNEAU INTL AP      | 2006-12-19 | Present    | 58° 21'  | -134° 33' | 16             |            | AIRWAYS, ASOS, COOP |
| JUNEAU INTL AP      | 1979-06-14 | 1981-12-31 | 58° 22'  | -134° 34' | 20             |            | AIRWAYS, COOP       |
| JUNEAU MUNICIPAL AP | 1968-01-01 | 1979-01-01 | 58° 22'  | -134° 34' | 20             |            | COOP, WXSVC         |
| JUNEAU MUNICIPAL AP | 1979-01-01 | 1979-06-14 | 58° 22'  | -134° 34' | 20             |            | AIRWAYS, COOP       |
| JUNEAU AP           | 1946-09-01 | 1959-01-01 | 58° 22'  | -134° 34' | 23             |            | AIRWAYS, COOP       |
| JUNEAU AP           | 1943-07-01 | 1946-09-01 | 58° 22'  | -134° 34' |                |            | AIRWAYS             |
| JUNEAU MUNICIPAL AP | 1959-04-16 | 1968-01-01 | 58° 22'  | -134° 34' | 20             |            | AIRWAYS, COOP       |
| JUNEAU AP           | 1959-01-01 | 1959-04-16 | 58° 22'  | -134° 34' | 20             |            | AIRWAYS, COOP       |
| JUNEAU INTL AP      | 1981-12-31 | 1982-01-01 | 58° 22'  | -134° 34' | 20             |            | COOP                |
| JUNEAU INTL AP      | 1998-03-01 | 2006-12-19 | 58° 21'  | -134° 34' | 12             |            | AIRWAYS, ASOS, COOP |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| TEMP    | 2006-12-19 | Present    | DAILY     | 2400                | HYGR        |                           |                    |
| TEMP    | 1979-08-01 | 1984-11-09 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 2006-12-19 | Present    | DAILY     | 2400                | PCPNX       |                           |                    |
| PRECIP  | 1979-08-01 | 1984-11-09 | DAILY     | 2400                | TB          | RCRD                      |                    |
| TEMP    | 1985-09-01 | 2006-12-19 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1984-11-09 | 1985-09-01 | DAILY     | 2300                | TB          | RCRD                      |                    |
| TEMP    | 1984-11-09 | 1985-09-01 | DAILY     | 2300                | MMTS        |                           |                    |
| PRECIP  | 1985-09-01 | 2006-12-19 | DAILY     | 2400                | TB          | RCRD                      |                    |
| PRECIP  | 2006-12-19 | Present    | HOURLY    | 2400                | AWPAG       | RCRD;HTD                  |                    |
| TEMP    | 1943-07-01 | 1979-08-01 | DAILY     | 2400                |             |                           |                    |
| PRECIP  | 1943-07-01 | 1979-08-01 | DAILY     | 2400                | UNIV        | RCRD                      |                    |

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

Other Station Information can be found at:

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

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

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

Fax Number : (828) 271-4876

TDD : (828) 271-4010

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

NOAA/National 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)