

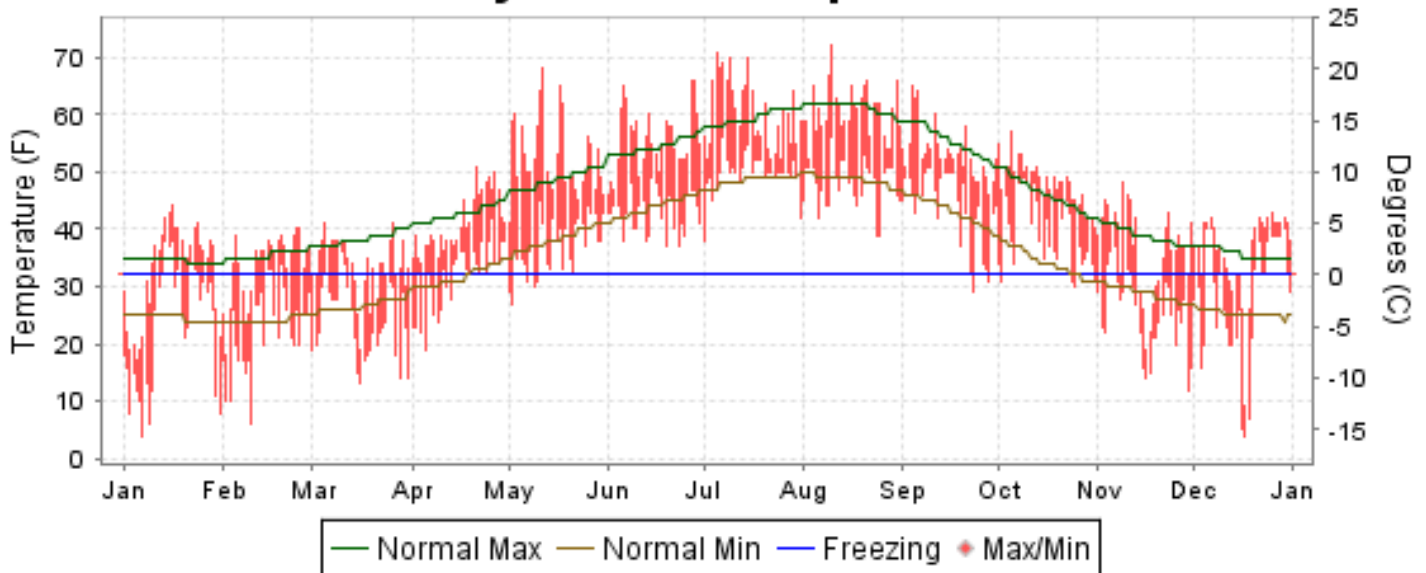


2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

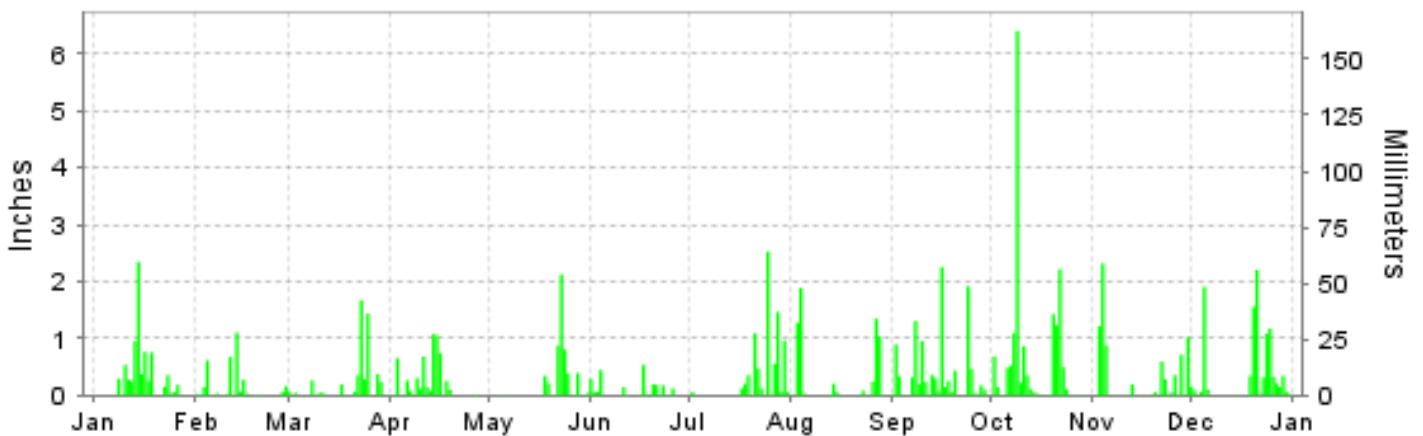
ISSN 0197-9809

KODIAK, ALASKA (PADQ)

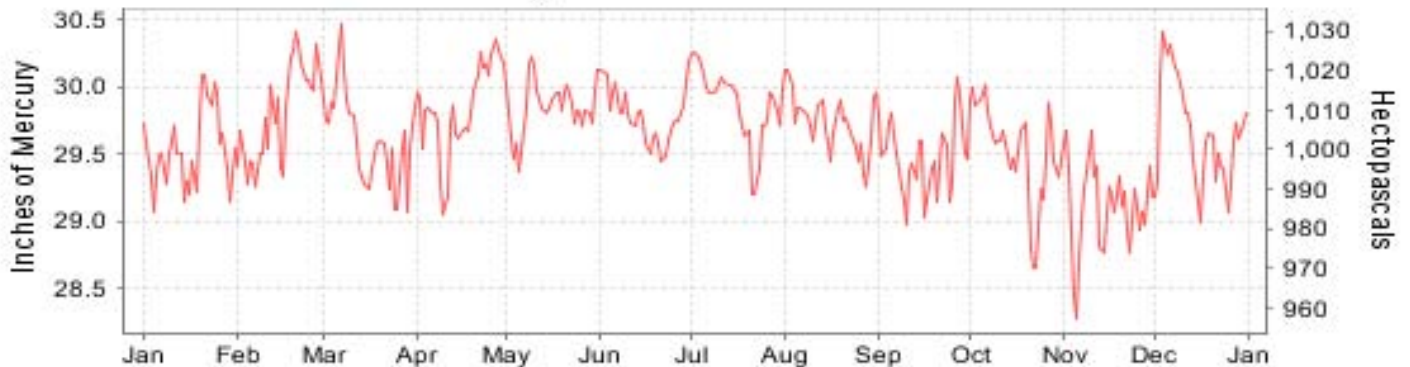
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

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 2009

KODIAK (PADQ)

LATITUDE: 57° 45'N LONGITUDE: -152° 29'W ELEVATION (FT): GRND: 70 BARO: 109 TIME ZONE: ALASKA (UTC -9) WBAN: 25501

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 32.8 | 33.8 | 33.8 | 41.1 | 52.6 | 55.7 | 60.4 | 60.7 | 53.4 | 48.2 | 36.8 | 36.3 | 45.5 | |
| | HIGHEST DAILY MAXIMUM | 44 | 40 | 41 | 51 | 68 | 66 | 71 | 72 | 65 | 57 | 48 | 43 | 72 | |
| | DATE OF OCCURRENCE | 16 | 25+ | 26+ | 21 | 12 | 28+ | 05 | 10 | 04 | 05 | 09 | 25 | AUG 10 | |
| | MEAN DAILY MINIMUM | 22.9 | 22.4 | 23.7 | 31.6 | 37.0 | 42.9 | 49.7 | 48.0 | 44.0 | 39.3 | 25.4 | 27.8 | 34.6 | |
| | LOWEST DAILY MINIMUM | 4 | 6 | 13 | 19 | 27 | 37 | 38 | 39 | 29 | 30 | 12 | 4 | 4 | |
| | DATE OF OCCURRENCE | 07 | 10 | 16 | 05 | 02 | 23+ | 01 | 25+ | 23 | 25 | 29 | 17 | DEC 17 | |
| | AVERAGE DRY BULB | 27.9 | 28.1 | 28.8 | 36.4 | 44.8 | 49.3 | 55.1 | 54.4 | 48.7 | 43.8 | 31.1 | 32.1 | 40.0 | |
| | MEAN WET BULB | 26.7 | 25.6 | 26.5 | 34.1 | 41.0 | 46.2 | 52.0 | 50.6 | 47.0 | 42.0 | 29.2 | 31.4 | 37.7 | |
| | MEAN DEW POINT | 22.6 | 19.9 | 20.2 | 29.2 | 35.1 | 42.4 | 49.6 | 47.1 | 44.6 | 39.2 | 23.5 | 29.0 | 33.5 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| | MAXIMUM <= 32° | 11 | 7 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 8 | 46 | |
| | MINIMUM <= 32° | 25 | 25 | 29 | 15 | 6 | 0 | 0 | 0 | 3 | 4 | 26 | 21 | 154 | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 1142 | 1027 | 1118 | 849 | 618 | 462 | 303 | 321 | 482 | 650 | 1007 | 1011 | 8990 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| RH | MEAN (PERCENT) | 79 | 72 | 70 | 76 | 71 | 78 | 84 | 78 | 85 | 83 | 71 | 86 | 78 | |
| | HOUR 03 LST | 79 | 76 | 74 | 79 | 78 | 87 | 90 | 83 | 88 | 86 | 74 | 87 | 82 | |
| | HOUR 09 LST | 81 | 77 | 73 | 78 | 69 | 77 | 84 | 78 | 86 | 85 | 72 | 86 | 79 | |
| | HOUR 15 LST | 75 | 65 | 64 | 70 | 64 | 72 | 76 | 71 | 80 | 77 | 68 | 85 | 72 | |
| | HOUR 21 LST | 80 | 70 | 71 | 76 | 70 | 76 | 82 | 80 | 86 | 85 | 74 | 87 | 78 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 2 | 1 | 1 | 0 | 1 | 1 | 2 | 2 | 1 | 4 | 0 | 2 | 17 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | |
| CLOUDNESS | 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.) | 29.54 | 29.80 | 29.60 | 29.85 | 29.84 | 29.79 | 29.86 | 29.73 | 29.47 | 29.53 | 29.12 | 29.65 | 29.65 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.67 | 29.92 | 29.73 | 29.98 | 29.97 | 29.92 | 29.99 | 29.85 | 29.60 | 29.65 | 29.30 | 29.78 | 29.78 | |
| WINDS | RESULTANT SPEED (MPH) | 2.2 | 6.4 | 7.3 | 1.4 | 2.4 | 2.7 | 4.1 | 2.6 | 4.5 | 1.8 | 6.7 | 4.3 | 1.9 | |
| | RES. DIR. (TENS OF DEGS.) | 30 | 29 | 29 | 01 | 01 | 08 | 09 | 34 | 02 | 01 | 29 | 09 | 34 | |
| | MEAN SPEED (MPH) | 9.1 | 9.8 | 11.8 | 8.6 | 8.3 | 7.8 | 7.5 | 7.4 | 9.6 | 8.9 | 11.4 | 10.0 | 9.2 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 29 | 29 | 30 | 30 | 28 | 10 | 08 | 30 | 04 | 30 | 30 | 28 | 30 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 45 | 45 | 44 | 31 | 39 | 24 | 32 | 30 | 35 | 40 | 43 | 39 | 45 | |
| | DIR. (TENS OF DEGS.) | 26 | 29 | 29 | 09 | 03 | 29 | 09 | 02 | 02 | 03 | 11 | 12 | 29 | |
| | DATE OF OCCURRENCE | 30 | 26 | 06 | 14 | 23 | 28 | 21 | 27 | 20 | 20 | 03 | 21 | FEB 26 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 63 | 60 | 62 | 53 | 53 | 33 | 39 | 39 | 52 | 52 | 53 | 52 | 63 | |
| DIR. (TENS OF DEGS.) | 26 | 31 | 28 | 01 | 03 | 29 | 09 | 32 | 02 | 03 | 11 | 12 | 26 | | |
| DATE OF OCCURRENCE | 30 | 26 | 06 | 03 | 23 | 28 | 21 | 27 | 20 | 20 | 03 | 21 | JAN 30 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 7.71 | 3.33 | 5.20 | 5.68 | 5.30 | 2.39 | 8.18 | 6.25 | 10.98 | 16.58 | 7.83 | 10.25 | 89.68 | |
| | GREATEST 24-HOUR (IN.) | 2.35 | 1.11 | 1.68 | 1.46 | 2.43 | 0.54 | 2.53 | 3.05 | 2.26 | 6.40 | 2.37 | 3.09 | 6.40 | |
| | DATE OF OCCURRENCE | 14 | 13 | 23 | 14-15 | 22-23 | 17 | 25 | 03-04 | 16 | 09 | 04-05 | 20-21 | OCT 09 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION 0.01 | 19 | 15 | 16 | 15 | 14 | 15 | 16 | 12 | 24 | 21 | 17 | 19 | 203 | |
| PRECIPITATION 0.10 | 13 | 6 | 8 | 11 | 7 | 8 | 10 | 6 | 17 | 15 | 9 | 13 | 123 | | |
| PRECIPITATION 1.00 | 1 | 1 | 2 | 2 | 1 | 0 | 3 | 4 | 3 | 5 | 3 | 5 | 30 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 14.9 | 30.2 | 34.6 | 21.5 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 4.7 | 116.7 | |
| | GREATEST 24-HOUR (IN.) | 5.4 | 8.4 | 12.7 | 6.9 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 2.3 | 12.7 | |
| | DATE OF OCCURRENCE | 10 | 11 | 23 | 11 | 07 | | | | | | 28 | 19 | MAR 23 | |
| | MAXIMUM SNOW DEPTH (IN.) | 8 | 11 | 22 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 22 | |
| | DATE OF OCCURRENCE | 13+ | 11 | 25 | 01 | 01 | | | | | | 30+ | 01 | MAR 25 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 6 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 32 | | |

NORMALS, MEANS, AND EXTREMES KODIAK (PADQ)

LATITUDE:
57 ° 45'N

LONGITUDE:
-152 ° 29'W

ELEVATION (FT):
GRND: 70 BARO: 109

TIME ZONE:
ALASKA (UTC -9)

WBAN: 25501

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 34.7 | 35.5 | 38.3 | 42.7 | 48.8 | 54.5 | 59.6 | 61.4 | 55.6 | 46.2 | 39.0 | 35.8 | 46.0 |
| | MEAN DAILY MAXIMUM | 78 | 34.9 | 35.3 | 37.8 | 42.5 | 49.0 | 54.5 | 59.5 | 61.0 | 55.0 | 46.6 | 39.0 | 35.6 | 45.9 |
| | HIGHEST DAILY MAXIMUM | 61 | 54 | 56 | 57 | 69 | 80 | 86 | 82 | 83 | 73 | 62 | 54 | 56 | 86 |
| | YEAR OF OCCURRENCE | | 1963 | 1957 | 1963 | 2005 | 1968 | 1953 | 2004 | 1968 | 1985 | 1983 | 1986 | 1984 | JUN 1953 |
| | MEAN OF EXTREME MAXS. | 78 | 43.4 | 44.2 | 47.1 | 52.7 | 62.3 | 69.7 | 73.8 | 72.7 | 64.9 | 55.8 | 47.5 | 44.6 | 56.6 |
| | NORMAL DAILY MINIMUM | 30 | 24.6 | 24.3 | 26.8 | 31.8 | 38.2 | 43.9 | 48.5 | 48.6 | 43.2 | 34.3 | 28.9 | 25.3 | 34.9 |
| | MEAN DAILY MINIMUM | 78 | 25.8 | 25.8 | 27.3 | 31.7 | 38.3 | 43.7 | 48.3 | 49.1 | 43.5 | 35.4 | 29.5 | 26.1 | 35.4 |
| | LOWEST DAILY MINIMUM | 61 | -16 | -12 | -6 | 7 | 20 | 30 | 37 | 34 | 26 | 10 | 0 | -2 | -16 |
| | YEAR OF OCCURRENCE | | 1989 | 1971 | 1971 | 1977 | 1949 | 1968 | 2007 | 1998 | 1992 | 1975 | 1971 | 1997 | JAN 1989 |
| | MEAN OF EXTREME MINS. | 78 | 8.6 | 8.4 | 13.2 | 21.3 | 30.7 | 36.8 | 42.2 | 41.2 | 33.3 | 23.0 | 16.3 | 9.4 | 23.7 |
| | NORMAL DRY BULB | 30 | 29.7 | 29.9 | 32.6 | 37.3 | 43.5 | 49.2 | 54.1 | 55.0 | 49.4 | 40.3 | 34.0 | 30.6 | 40.5 |
| | MEAN DRY BULB | 78 | 30.4 | 30.6 | 32.5 | 37.1 | 43.7 | 49.3 | 53.9 | 55.1 | 49.3 | 41.1 | 34.2 | 30.9 | 40.7 |
| | MEAN WET BULB | 26 | 28.3 | 28.4 | 29.2 | 34.3 | 40.5 | 46.6 | 51.3 | 51.6 | 46.4 | 37.4 | 31.1 | 29.2 | 37.9 |
| | MEAN DEW POINT | 26 | 25.6 | 25.5 | 25.6 | 31.2 | 37.6 | 44.8 | 49.7 | 49.5 | 43.8 | 34.2 | 27.9 | 26.3 | 35.1 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 70 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.2 | 2.5 | 3.2 | 0.3 | 0.0 | 0.0 | 0.0 | 7.6 |
| | MAXIMUM <= 32 | 30 | 7.0 | 6.8 | 3.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.6 | 6.6 | 28.7 |
| MINIMUM <= 32 | 30 | 20.8 | 19.9 | 20.8 | 12.6 | 2.9 | * | 0.0 | 0.0 | 1.2 | 11.9 | 18.5 | 22.3 | 130.9 | |
| MINIMUM <= 0 | 30 | 0.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1096 | 983 | 989 | 833 | 667 | 474 | 339 | 310 | 468 | 766 | 931 | 1067 | 8923 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RH | NORMAL (PERCENT) | 30 | 79 | 77 | 74 | 76 | 78 | 83 | 85 | 81 | 80 | 75 | 76 | 78 | 79 |
| | HOURLY 03 LST | 30 | 80 | 79 | 79 | 81 | 84 | 89 | 91 | 87 | 86 | 79 | 79 | 79 | 83 |
| | HOURLY 09 LST | 30 | 81 | 80 | 76 | 75 | 75 | 82 | 83 | 79 | 80 | 77 | 78 | 80 | 79 |
| | HOURLY 15 LST | 30 | 75 | 73 | 67 | 70 | 71 | 77 | 79 | 72 | 71 | 66 | 71 | 76 | 72 |
| | HOURLY 21 LST | 30 | 80 | 79 | 77 | 78 | 78 | 82 | 85 | 83 | 84 | 77 | 78 | 79 | 80 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) | 46 | 0.9 | 1.2 | 1.1 | 0.4 | 1.1 | 1.9 | 2.7 | 2.4 | 1.0 | 0.3 | 0.3 | 1.0 | 14.3 |
| | THUNDERSTORMS | 61 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| CLOUDNESS | MEAN: SUNRISE-SUNSET (OKTAS) | 29 | 5.8 | 5.8 | 5.6 | 6.1 | 6.4 | 6.4 | 6.2 | 6.0 | 6.0 | 5.6 | 5.5 | 5.8 | 5.9 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 30 | 5.6 | 5.5 | 5.4 | 6.0 | 6.3 | 6.4 | 6.1 | 5.9 | 5.8 | 5.2 | 5.0 | 5.5 | 5.7 |
| | MEAN NO. DAYS WITH: CLEAR | 27 | 5.3 | 6.0 | 6.6 | 4.3 | 3.4 | 3.4 | 3.1 | 4.1 | 3.9 | 5.6 | 6.7 | 5.8 | 58.2 |
| | PARTLY CLOUDY | 27 | 5.7 | 4.7 | 6.7 | 6.0 | 5.7 | 5.8 | 5.6 | 6.8 | 7.2 | 7.5 | 6.4 | 5.4 | 73.5 |
| | CLOUDY | 27 | 20.0 | 17.5 | 17.7 | 19.7 | 22.0 | 20.8 | 22.3 | 19.1 | 18.0 | 16.8 | 15.9 | 18.7 | 228.5 |
| PR | MEAN STATION PRESSURE(IN) | 26 | 29.44 | 29.54 | 29.56 | 29.63 | 29.75 | 29.79 | 29.84 | 29.78 | 29.63 | 29.50 | 29.43 | 29.39 | 29.61 |
| | MEAN SEA-LEVEL PRES. (IN) | 26 | 29.58 | 29.67 | 29.68 | 29.75 | 29.87 | 29.91 | 29.97 | 29.90 | 29.75 | 29.62 | 29.56 | 29.52 | 29.73 |
| WINDS | MEAN SPEED (MPH) | 26 | 12.2 | 12.2 | 12.8 | 11.9 | 10.6 | 9.8 | 8.3 | 8.9 | 10.0 | 11.4 | 12.4 | 12.8 | 11.1 |
| | PREVAIL.DIR.(TENS OF DEGS) | 29 | 32 | 32 | 32 | 32 | 32 | 06 | 06 | 32 | 30 | 30 | 31 | 31 | 32 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 13 | 51 | 51 | 53 | 53 | 40 | 33 | 37 | 48 | 51 | 44 | 49 | 55 | 55 |
| | DIR. (TENS OF DEGS) | | 30 | 19 | 28 | 29 | 03 | 29 | 03 | 03 | 04 | 04 | 29 | 28 | 28 |
| | YEAR OF OCCURRENCE | | 1999 | 2000 | 2006 | 1999 | 2008 | 1999 | 2006 | 1998 | 2003 | 2005 | 2003 | 2008 | DEC 2008 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 13 | 66 | 62 | 64 | 66 | 53 | 43 | 49 | 60 | 63 | 58 | 60 | 88 | 88 |
| | DIR. (TENS OF DEGS) | | 31 | 18 | 04 | 29 | 03 | 31 | 03 | 03 | 04 | 04 | 06 | 29 | 29 |
| YEAR OF OCCURRENCE | | 1999 | 2000 | 2001 | 2008 | 2009 | 1999 | 2006 | 1998 | 2003 | 2005 | 2001 | 2007 | DEC 2007 | |
| PRECIPITATION | NORMAL (IN) | 30 | 8.17 | 5.72 | 5.22 | 5.48 | 6.31 | 5.38 | 4.12 | 4.48 | 7.84 | 8.36 | 6.63 | 7.64 | 75.35 |
| | MAXIMUM MONTHLY (IN) | 61 | 17.18 | 12.43 | 12.73 | 12.57 | 14.05 | 16.88 | 10.21 | 11.13 | 19.44 | 17.13 | 15.92 | 19.82 | 19.82 |
| | YEAR OF OCCURRENCE | | 2003 | 1977 | 1998 | 2007 | 2008 | 1987 | 1985 | 1977 | 1995 | 2002 | 2002 | 1985 | DEC 1985 |
| | MINIMUM MONTHLY (IN) | 61 | 0.24 | 1.41 | 0.67 | 0.29 | 1.00 | 0.67 | 0.84 | 0.65 | 1.20 | 1.56 | 0.19 | 1.21 | 0.19 |
| | YEAR OF OCCURRENCE | | 1969 | 1956 | 1991 | 2002 | 1964 | 1997 | 1980 | 1994 | 1977 | 1956 | 1950 | 1977 | NOV 1950 |
| | MAXIMUM IN 24 HOURS (IN) | 61 | 4.79 | 4.07 | 3.36 | 3.27 | 3.63 | 3.85 | 3.54 | 3.93 | 5.57 | 7.44 | 7.81 | 4.41 | 7.81 |
| | YEAR OF OCCURRENCE | | 1998 | 1977 | 1998 | 1997 | 1979 | 1987 | 1998 | 1993 | 1995 | 1991 | 1991 | 1985 | NOV 1991 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 18.9 | 16.9 | 17.4 | 18.2 | 17.9 | 15.5 | 15.1 | 13.4 | 16.4 | 16.8 | 16.3 | 18.5 | 201.3 |
| PRECIPITATION >= 1.00 | 30 | 2.4 | 1.2 | 0.9 | 0.8 | 1.4 | 1.4 | 1.0 | 1.1 | 2.6 | 2.5 | 1.7 | 2.3 | 19.3 | |
| SNOWFALL | NORMAL (IN) | 30 | 14.5 | 14.7 | 10.3 | 7.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.* | 1.4 | 7.3 | 15.6 | 71.5 |
| | MAXIMUM MONTHLY (IN) | 61 | 40.8 | 52.0 | 74.5 | 34.8 | 6.0 | T | 0.0 | 0.0 | 0.4 | 14.9 | 30.0 | 46.4 | 74.5 |
| | YEAR OF OCCURRENCE | | 2004 | 2002 | 1956 | 1985 | 1971 | 1965 | | | 1977 | 1961 | 1989 | 1990 | MAR 1956 |
| | MAXIMUM IN 24 HOURS (IN) | 61 | 12.0 | 19.0 | 17.8 | 11.3 | 4.0 | T | 0.0 | 0.0 | 0.4 | 10.0 | 14.0 | 15.7 | 19.0 |
| | YEAR OF OCCURRENCE | | 1976 | 1992 | 1956 | 1985 | 1968 | 1965 | | | 1977 | 1970 | 1965 | 1990 | FEB 1992 |
| | MAXIMUM SNOW DEPTH (IN) | 60 | 25 | 28 | 35 | 25 | 4 | 0 | 0 | 0 | 0 | 9 | 11 | 17 | 35 |
| | YEAR OF OCCURRENCE | | 2007 | 1969 | 1956 | 1956 | 1968 | | | | | 1964 | 1963 | 2006 | MAR 1956 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 4.0 | 4.4 | 3.2 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2.1 | 4.0 | 20.7 | |

PRECIPITATION (inches) 2009 KODIAK (PADQ)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|--------|
| 1980 | 6.09 | 9.58 | 5.11 | 5.85 | 6.34 | 2.15 | 0.84 | 1.78 | 8.62 | 9.38 | 7.12 | 4.64 | 67.50 |
| 1981 | 13.65 | 6.43 | 8.05 | 2.86 | 7.26 | 1.87 | 2.53 | 4.35 | 7.47 | 3.15 | 7.29 | 5.22 | 70.13 |
| 1982 | 7.22 | 2.12 | 1.99 | 3.60 | 5.55 | 7.29 | 3.81 | 2.23 | 10.10 | 3.54 | 7.58 | 13.49 | 68.52 |
| 1983 | 9.19 | 7.56 | 8.34 | 2.25 | 12.67 | 7.88 | 2.16 | 0.73 | 2.93 | 5.36 | 15.36 | 2.43 | 76.86 |
| 1984 | 10.11 | 5.75 | 9.94 | 6.27 | 4.90 | 5.15 | 3.04 | 1.39 | 8.37 | 3.15 | 4.98 | 5.50 | 68.55 |
| 1985 | 14.41 | 1.91 | 5.68 | 5.81 | 1.53 | 6.64 | 10.21 | 2.96 | 8.05 | 3.26 | 4.44 | 19.82 | 84.72 |
| 1986 | 11.63 | 6.31 | 4.59 | 2.69 | 2.27 | 13.16 | 2.72 | 6.42 | 2.22 | 11.37 | 5.35 | 11.64 | 80.37 |
| 1987 | 10.21 | 4.75 | 6.31 | 4.93 | 3.67 | 16.88 | 1.25 | 0.65 | 7.83 | 8.08 | 4.98 | 2.49 | 72.03 |
| 1988 | 6.91 | 11.50 | 8.59 | 6.65 | 2.42 | 1.59 | 4.11 | 8.28 | 6.55 | 10.20 | 7.93 | 11.48 | 86.21 |
| 1989 | 2.53 | 1.44 | 3.61 | 4.13 | 2.02 | 7.22 | 3.86 | 5.92 | 6.10 | 7.04 | 5.58 | 12.59 | 62.04 |
| 1990 | 6.79 | 2.90 | 5.56 | 6.63 | 4.75 | 2.14 | 7.93 | 7.86 | 8.96 | 5.40 | 2.32 | 4.91 | 66.15 |
| 1991 | 10.68 | 10.80 | 0.67 | 8.03 | 9.74 | 8.65 | 2.29 | 4.77 | 10.19 | 11.49 | 12.96 | 5.82 | 96.09 |
| 1992 | 9.07 | 2.14 | 5.49 | 2.10 | 7.52 | 5.59 | 2.25 | 6.02 | 2.69 | 4.84 | 4.83 | 4.97 | 57.51 |
| 1993 | 2.97 | 7.11 | 8.17 | 8.74 | 5.18 | 3.51 | 2.33 | 8.41 | 5.44 | 9.80 | 5.56 | 11.68 | 78.90 |
| 1994 | 11.81 | 4.15 | 10.14 | 7.27 | 9.10 | 3.36 | 7.29 | 0.65 | 6.57 | 12.92 | 1.90 | 8.71 | 83.87 |
| 1995 | 6.92 | 7.07 | 4.30 | 6.58 | 9.46 | 8.16 | 5.02 | 4.35 | 19.44 | 9.99 | 2.24 | 11.76 | 95.29 |
| 1996 | 3.00 | 2.05 | 1.70 | 9.74 | 1.62 | 2.35 | 6.49 | 2.51 | 8.96 | 4.76 | 6.74 | 6.49 | 56.41 |
| 1997 | 10.00 | 10.13 | 2.18 | 12.09 | 2.35 | 0.67 | 5.13 | 4.03 | 11.69 | 9.39 | 8.78 | 7.77 | 84.21 |
| 1998 | 13.49 | 7.22 | 12.73 | 7.46 | 7.24 | 7.77 | 8.20 | 3.75 | 11.34 | 13.96 | 8.58 | 4.51 | 106.25 |
| 1999 | 8.90 | 2.77 | 3.12 | 3.94 | 3.86 | 9.77 | 2.27 | 5.30 | 11.72 | 7.90 | 9.10 | 7.01 | 75.66 |
| 2000 | 2.27 | 6.33 | 6.35 | 6.99 | 1.87 | 5.01 | 2.08 | 1.23 | 2.63 | 10.31 | 9.59 | 12.34 | 67.00 |
| 2001 | 12.71 | 5.50 | 9.07 | 5.01 | 4.28 | 2.44 | 2.79 | 6.39 | 9.21 | 6.89 | 6.93 | 7.94 | 79.16 |
| 2002 | 12.47 | 10.60 | 3.98 | 0.29 | 3.96 | 8.38 | 5.96 | 2.93 | 3.85 | 17.13 | 15.92 | 6.13 | 91.60 |
| 2003 | 17.18 | 6.88 | 6.15 | 3.96 | 1.62 | 6.63 | 3.36 | 7.82 | 8.31 | 13.59 | 1.94 | 10.25 | 87.69 |
| 2004 | 6.86 | 10.46 | 3.48 | 9.30 | 5.40 | 8.73 | 6.16 | 4.34 | 3.45 | 5.46 | 11.62 | 10.83 | 86.09 |
| 2005 | 7.58 | 8.76 | 5.07 | 4.36 | 7.29 | 5.64 | 2.94 | 5.56 | 4.00 | 5.51 | 3.77 | 14.25 | 74.73 |
| 2006 | 3.20 | 3.59 | 3.06 | 3.87 | 4.07 | 8.21 | 7.96 | 5.08 | 5.82 | 5.96 | 1.92 | 10.91 | 63.65 |
| 2007 | 8.82 | 3.84 | 1.14 | 12.57 | 11.22 | 3.88 | 9.74 | 4.82 | 5.45 | 7.08 | 10.00 | 10.95 | 89.51 |
| 2008 | 4.18 | 9.21 | 7.96 | 2.26 | 14.05 | 7.94 | 9.71 | 8.03 | 7.59 | 4.53 | 4.19 | 7.73 | 87.38 |
| 2009 | 7.71 | 3.33 | 5.20 | 5.68 | 5.30 | 2.39 | 8.18 | 6.25 | 10.98 | 16.58 | 7.83 | 10.25 | 89.68 |
| POR= 78 YRS | 6.73 | 5.58 | 4.54 | 4.76 | 5.62 | 5.04 | 4.14 | 4.50 | 6.77 | 7.52 | 6.01 | 6.68 | 67.89 |

WBAN : 25501

AVERAGE TEMPERATURE (°F) 2009 KODIAK (PADQ)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1980 | 29.6 | 34.5 | 36.4 | 40.8 | 45.1 | 52.7 | 55.9 | 56.1 | 52.2 | 43.1 | 37.5 | 29.1 | 42.8 |
| 1981 | 38.2 | 34.0 | 39.3 | 41.9 | 47.2 | 52.2 | 57.5 | 56.1 | 50.2 | 43.0 | 36.3 | 31.2 | 43.9 |
| 1982 | 32.7 | 28.1 | 35.7 | 36.0 | 43.5 | 49.2 | 55.0 | 55.1 | 49.9 | 39.1 | 36.5 | 37.2 | 41.5 |
| 1983 | 30.7 | 37.0 | 40.5 | 41.8 | 46.6 | 51.9 | 57.1 | 58.0 | 51.5 | 42.8 | 38.1 | 38.1 | 44.5 |
| 1984 | 32.7 | 25.5 | 38.5 | 36.7 | 43.7 | 51.2 | 55.7 | 57.5 | 51.3 | 41.6 | 33.9 | 37.6 | 42.2 |
| 1985 | 39.2 | 28.8 | 35.4 | 31.8 | 41.5 | 46.2 | 52.3 | 54.2 | 51.1 | 36.5 | 32.8 | 36.4 | 40.5 |
| 1986 | 33.3 | 30.3 | 32.4 | 34.2 | 43.5 | 47.4 | 54.2 | 53.0 | 50.5 | 44.3 | 36.3 | 35.8 | 41.3 |
| 1987 | 34.0 | 36.2 | 35.4 | 38.1 | 44.8 | 47.7 | 55.9 | 56.5 | 48.4 | 41.8 | 33.3 | 28.0 | 41.7 |
| 1988 | 32.2 | 34.3 | 34.7 | 36.8 | 45.0 | 51.6 | 54.1 | 55.1 | 48.7 | 41.2 | 32.7 | 30.4 | 41.4 |
| 1989 | 21.7 | 33.0 | 33.1 | 39.4 | 44.7 | 50.1 | 57.2 | 57.1 | 52.0 | 41.1 | 32.1 | 34.7 | 41.4 |
| 1990 | 29.4 | 24.3 | 35.2 | 41.0 | 45.7 | 52.7 | 53.7 | 57.1 | 51.5 | 39.8 | 30.2 | 31.1 | 41.0 |
| 1991 | 30.3 | 27.5 | 33.6 | 39.0 | 44.9 | 49.7 | 53.8 | 54.3 | 50.3 | 41.7 | 37.5 | 30.2 | 41.1 |
| 1992 | 33.3 | 27.7 | 32.3 | 39.0 | 44.5 | 50.9 | 55.4 | 53.7 | 46.4 | 40.2 | 35.4 | 29.9 | 40.7 |
| 1993 | 27.3 | 30.9 | 35.3 | 40.3 | 47.1 | 50.9 | 57.1 | 57.1 | 50.7 | 42.4 | 37.5 | 35.0 | 42.6 |
| 1994 | 34.5 | 30.1 | 30.4 | 38.7 | 44.2 | 51.7 | 53.0 | 57.1 | 49.3 | 39.4 | 31.5 | 28.5 | 40.7 |
| 1995 | 31.0 | 31.7 | 29.6 | 40.8 | 43.2 | 49.4 | 54.0 | 55.5 | 51.7 | 42.3 | 34.0 | 34.8 | 41.5 |
| 1996 | 29.3 | 29.1 | 36.5 | 38.9 | 47.5 | 50.7 | 53.6 | 54.8 | 47.2 | 38.8 | 35.7 | 28.9 | 40.9 |
| 1997 | 30.8 | 36.0 | 31.8 | 38.2 | 47.4 | 53.3 | 56.4 | 57.5 | 52.0 | 39.7 | 34.1 | 24.8 | 41.8 |
| 1998 | 32.1 | 36.4 | 37.7 | 38.5 | 43.3 | 49.7 | 53.8 | 52.9 | 48.2 | 40.2 | 36.0 | 28.8 | 41.5 |
| 1999 | 26.3 | 21.7 | 28.1 | 35.8 | 42.9 | 48.1 | 55.9 | 54.5 | 49.1 | 38.2 | 33.8 | 26.2 | 38.4 |
| 2000 | 23.2 | 33.8 | 34.3 | 37.7 | 44.7 | 47.6 | 52.8 | 56.8 | 49.1 | 40.9 | 37.3 | 36.4 | 41.2 |
| 2001 | 32.5 | 33.1 | 34.0 | 38.3 | 42.1 | 53.6 | 55.9 | 56.6 | 49.9 | 37.0 | 33.2 | 25.6 | 41.0 |
| 2002 | 31.4 | 29.9 | 32.0 | 37.7 | 45.5 | 49.5 | 54.5 | 55.7 | 50.5 | 45.0 | 40.6 | 30.5 | 41.9 |
| 2003 | 35.7 | 38.2 | 31.5 | 40.6 | 45.5 | 49.6 | 56.2 | 55.7 | 48.6 | 43.9 | 35.5 | 29.0 | 42.5 |
| 2004 | 27.7 | 34.6 | 30.4 | 38.5 | 48.2 | 50.4 | 57.0 | 57.3 | 49.0 | 43.0 | 35.3 | 33.3 | 42.1 |
| 2005 | 37.2 | 31.2 | 35.2 | 39.7 | 46.2 | 52.1 | 57.1 | 56.1 | 50.2 | 39.7 | 28.3 | 35.0 | 42.3 |
| 2006 | 26.6 | 29.3 | 32.1 | 35.4 | 45.3 | 49.7 | 53.5 | 54.3 | 49.2 | 42.5 | 28.7 | 28.7 | 39.6 |
| 2007 | 24.4 | 31.2 | 22.1 | 36.8 | 41.6 | 49.6 | 53.1 | 55.7 | 50.8 | 39.3 | 35.7 | 30.4 | 39.2 |
| 2008 | 26.4 | 28.1 | 31.6 | 35.2 | 42.4 | 47.7 | 52.9 | 53.3 | 48.3 | 36.7 | 29.7 | 30.9 | 38.6 |
| 2009 | 27.9 | 28.1 | 28.8 | 36.4 | 44.8 | 49.3 | 55.1 | 54.4 | 48.7 | 43.8 | 31.1 | 32.1 | 40.0 |
| POR= 78 YRS | 30.4 | 30.6 | 32.5 | 37.1 | 43.7 | 49.3 | 53.9 | 55.1 | 49.3 | 41.1 | 34.2 | 30.9 | 40.7 |

HEATING DEGREE DAYS (base 65°F) 2009 KODIAK (PADQ)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1980-81 | 274 | 270 | 378 | 675 | 820 | 1105 | 825 | 867 | 788 | 686 | 542 | 379 | 7609 |
| 1981-82 | 225 | 272 | 438 | 674 | 854 | 1038 | 996 | 1028 | 900 | 864 | 658 | 466 | 8413 |
| 1982-83 | 302 | 298 | 447 | 798 | 847 | 855 | 1053 | 780 | 754 | 688 | 561 | 385 | 7768 |
| 1983-84 | 237 | 213 | 400 | 681 | 802 | 826 | 993 | 1137 | 813 | 844 | 655 | 408 | 8009 |
| 1984-85 | 283 | 229 | 401 | 717 | 927 | 845 | 795 | 1009 | 909 | 989 | 719 | 559 | 8382 |
| 1985-86 | 386 | 325 | 410 | 873 | 958 | 879 | 976 | 966 | 1004 | 916 | 659 | 523 | 8875 |
| 1986-87 | 330 | 364 | 427 | 638 | 856 | 899 | 957 | 801 | 914 | 801 | 619 | 514 | 8120 |
| 1987-88 | 287 | 259 | 490 | 715 | 944 | 1139 | 1011 | 884 | 935 | 840 | 616 | 394 | 8514 |
| 1988-89 | 331 | 298 | 484 | 729 | 963 | 1066 | 1336 | 892 | 980 | 763 | 621 | 442 | 8905 |
| 1989-90 | 236 | 237 | 384 | 735 | 983 | 937 | 1098 | 1137 | 916 | 712 | 589 | 363 | 8327 |
| 1990-91 | 346 | 239 | 398 | 772 | 1039 | 1043 | 1067 | 1045 | 965 | 773 | 617 | 453 | 8757 |
| 1991-92 | 342 | 324 | 432 | 713 | 820 | 1073 | 978 | 1075 | 1009 | 773 | 627 | 415 | 8581 |
| 1992-93 | 289 | 345 | 553 | 764 | 880 | 1082 | 1163 | 947 | 910 | 733 | 549 | 418 | 8633 |
| 1993-94 | 248 | 246 | 422 | 692 | 817 | 921 | 936 | 966 | 1066 | 783 | 638 | 391 | 8126 |
| 1994-95 | 369 | 236 | 463 | 784 | 1000 | 1128 | 1044 | 926 | 1093 | 718 | 668 | 464 | 8893 |
| 1995-96 | 335 | 287 | 392 | 702 | 922 | 928 | 1101 | 1036 | 876 | 774 | 534 | 420 | 8307 |
| 1996-97 | 347 | 310 | 528 | 803 | 873 | 1113 | 1053 | 804 | 1023 | 796 | 537 | 354 | 8541 |
| 1997-98 | 260 | 228 | 383 | 776 | 920 | 1239 | 1010 | 794 | 843 | 787 | 665 | 449 | 8354 |
| 1998-99 | 341 | 367 | 497 | 762 | 862 | 1118 | 1191 | 1208 | 1139 | 869 | 679 | 502 | 9535 |
| 1999-00 | 281 | 318 | 468 | 824 | 930 | 1195 | 1288 | 898 | 947 | 812 | 626 | 512 | 9099 |
| 2000-01 | 371 | 250 | 470 | 740 | 828 | 880 | 1003 | 888 | 953 | 794 | 701 | 341 | 8219 |
| 2001-02 | 276 | 253 | 448 | 863 | 947 | 1214 | 1035 | 976 | 1015 | 811 | 599 | 459 | 8896 |
| 2002-03 | 319 | 283 | 427 | 614 | 725 | 1064 | 899 | 746 | 1030 | 725 | 598 | 457 | 7887 |
| 2003-04 | 274 | 286 | 488 | 649 | 878 | 1111 | 1152 | 874 | 1065 | 790 | 513 | 430 | 8510 |
| 2004-05 | 258 | 239 | 473 | 676 | 883 | 972 | 858 | 937 | 920 | 753 | 574 | 383 | 7926 |
| 2005-06 | 236 | 270 | 436 | 778 | 1095 | 921 | 1180 | 992 | 1014 | 879 | 603 | 455 | 8859 |
| 2006-07 | 352 | 328 | 469 | 688 | 1083 | 1118 | 1251 | 941 | 1324 | 840 | 719 | 457 | 9570 |
| 2007-08 | 365 | 280 | 421 | 789 | 872 | 1065 | 1191 | 1064 | 1027 | 887 | 697 | 514 | 9172 |
| 2008-09 | 368 | 356 | 498 | 869 | 1053 | 1049 | 1142 | 1027 | 1118 | 849 | 618 | 462 | 9409 |
| 2009- | 303 | 321 | 482 | 650 | 1007 | 1011 | | | | | | | |

WBAN : 25501

COOLING DEGREE DAYS (base 65°F) 2009 KODIAK (PADQ)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 9 | 0 | 0 | 0 | 0 | 17 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 7 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 0 | 0 | 0 | 0 | 11 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 4 | 0 | 0 | 0 | 0 | 19 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SNOWFALL (inches) 2009 KODIAK (PADQ)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 0.8 | 10.6 | 3.3 | 10.9 | T | 1.7 | T | 0.0 | 27.3 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.2 | 3.1 | 9.6 | 14.2 | 4.0 | 9.5 | 19.8 | 1.4 | 0.0 | 61.8 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 6.0 | 0.4 | 2.4 | 6.4 | 1.0 | 0.6 | 1.8 | T | 0.0 | 18.6 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 6.1 | 7.2 | T | 19.2 | 38.8 | 2.0 | 9.0 | T | 0.0 | 82.3 |
| 1984-85 | 0.0 | 0.0 | 0.0 | T | 2.9 | 6.0 | 0.1 | 12.9 | 30.0 | 34.8 | 0.8 | 0.0 | 87.5 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 4.5 | 9.0 | 11.0 | 23.5 | 17.0 | 6.4 | 11.9 | 0.8 | 0.0 | 84.1 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 2.1 | 8.3 | 2.0 | 9.9 | 4.3 | T | 0.0 | 30.8 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 6.9 | 7.6 | 24.4 | 15.8 | 16.6 | T | 0.0 | 77.1 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | 8.6 | 14.4 | 18.2 | 9.3 | 5.7 | 0.4 | 0.0 | 0.0 | 56.6 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.5 | 30.0 | 8.3 | 35.8 | 35.1 | 15.9 | 3.6 | 0.0 | 0.0 | 129.2 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 3.7 | 5.0 | 46.4 | 20.1 | 13.2 | 5.0 | 11.0 | T | 0.0 | 104.4 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 24.8 | 24.0 | 7.0 | 27.6 | 15.0 | 0.8 | 0.8 | 0.0 | 100.0 |
| 1992-93 | 0.0 | 0.0 | T | T | 1.2 | 29.4 | 6.9 | 4.2 | 3.8 | 1.0 | T | 0.0 | 46.5 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 6.4 | 3.8 | 14.5 | 14.3 | T | T | 0.0 | 39.7 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 2.9 | 6.3 | 37.6 | 12.9 | 24.4 | 8.1 | 5.5 | T | 0.0 | 97.7 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.8 | 2.8 | 2.0 | 27.9 | 21.9 | 4.8 | 7.3 | 0.0 | 0.0 | 67.5 |
| 1996-97 | 0.0 | T | T | 6.6 | 1.4 | 36.4 | 30.5 | | 10.8 | 3.0 | 0.0 | 0.0 | |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.6 | 7.9 | 34.2 | 8.5 | 1.8 | 0.8 | 0.1 | T | 0.0 | 53.9 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 15.1 | 5.6 | 12.5 | 26.2 | 16.2 | T | 0.0 | 75.9 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 2.3 | 7.9 | 24.0 | 16.3 | 6.3 | 5.3 | 19.8 | T | 0.0 | 81.9 |
| 2000-01 | 0.0 | 0.0 | 0.0 | T | T | 0.1 | 16.8 | 0.8 | 14.3 | 1.2 | 3.9 | 0.0 | 37.1 |
| 2001-02 | 0.0 | 0.0 | 0.0 | 1.5 | 4.1 | 23.0 | 14.0 | 52.0 | 20.0 | 0.1 | 0.0 | 0.0 | 114.7 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.8 | 2.6 | T | 38.9 | 5.8 | T | 0.0 | 49.1 |
| 2003-04 | 0.0 | 0.0 | 0.0 | T | 0.1 | 18.1 | 40.8 | 2.3 | 13.2 | 13.4 | 0.0 | 0.0 | 87.9 |
| 2004-05 | 0.0 | 0.0 | 0.0 | T | 10.7 | 19.9 | 0.8 | 14.6 | 6.9 | 9.1 | 0.0 | 0.0 | 62.0 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.2 | 8.2 | 0.2 | 8.3 | 11.0 | 13.3 | 13.6 | 0.5 | 0.0 | 55.3 |
| 2006-07 | 0.0 | 0.0 | 0.0 | T | 14.1 | 35.4 | 31.2 | 1.1 | 13.1 | 10.3 | 0.0 | 0.0 | 105.2 |
| 2007-08 | 0.0 | 0.0 | 0.0 | T | 2.7 | 39.7 | 16.6 | 36.1 | 35.7 | 14.1 | 3.7 | 0.0 | 148.6 |
| 2008-09 | 0.0 | 0.0 | 0.0 | 2.2 | 15.2 | 1.5 | 14.9 | 30.2 | 34.6 | 21.5 | T | 0.0 | 120.1 |
| 2009- | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 4.7 | | | | | | | |
| POR= 77 YRS | 0.0 | T | T | 1.7 | 5.8 | 13.3 | 14.0 | 14.0 | 13.1 | 6.8 | 0.5 | 0.1 | 69.3 |

WBAN : 25501

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.
NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).
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 AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
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.
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.

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 HISTORY GO TO "MULTI-NETWORK METADATA SYSTEM", URL IS: <https://mi3.ncdc.noaa.gov/mi3qry/login.cfm>

NOTE:

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.

2009 KODIAK ALASKA (PADQ)

Kodiak Island is located on the western side of the Gulf of Alaska, 90 miles southwest of the Kenai Peninsula. Oriented northeast-southwest, the island lies 25 miles southeast of the Alaska Peninsula, separated from it by the Shelikof Strait. Afognak Island lies northeast of Kodiak, across Kupreanof Strait, which averages less than half a mile in width. The two islands are generally considered to be a single landmass, approximately 145 miles long by 50 miles wide. The terrain is rugged, with the mountains averaging from 2,000 to 4,000 feet in height. The highest mountains on Kodiak extend to roughly 5,000 feet. The island has many lakes, ponds, interconnecting waterways, and drainage streams. The irregular shoreline is indented by numerous bays, many of which are deep and narrow.

The National Weather Service Office is located on U. S. Coast Guard Base Kodiak, adjacent to Womens Bay, a small U shaped bay extending westward from the main body of Chiniak Bay.

Kodiak has primarily a marine climate which is exemplified by the limited daily and annual temperature ranges. During the summer, the mean air temperature closely approximates the mean sea surface temperature, rising slightly above it during August but falling below again in September. In winter, the mean maximum air temperature more closely resembles the mean sea surface temperature curve. The absolute temperature range is nearly 100 degrees. Summer maximum temperatures will vary 10 to 20 degrees, depending on whether the northwest gradient is strong enough to maintain a flow of air from over the island, or whether it is weak enough that the sea breeze predominates. The highest daily maximum temperatures occur with northwest winds in summer.

Precipitation is normally abundant throughout the year. All months have a wide variation in the amount of precipitation. A very high percentage of the precipitation falls during northeast to southeast winds. Small amounts of snow may fall as late as May or as early as September with good ground cover anticipated in November. Precipitation measurement is often difficult due to strong, gusty surface winds which frequently accompany precipitation. Drifting and blowing snow occasionally close the field for periods of up to 24 hours.

Although the prevailing wind direction is northwesterly every month except May, June, and July, and the average speed is about 10 knots, these data may be misleading because of the extreme variability in both direction and speed. Maximum gusts of over 90 knots has been recorded. Coast Guard Cutters docked in Womens Bay have reported williwaw winds off Old Womens Mountain in excess of 120 knots. Gusts of over 50 knots have occurred during each month of the year, but are most likely to occur in the winter months.

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