

2001

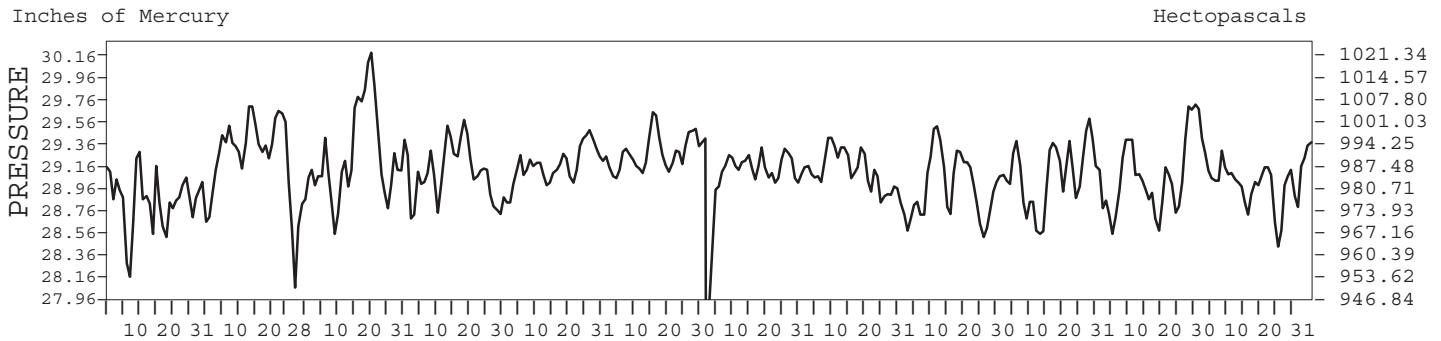
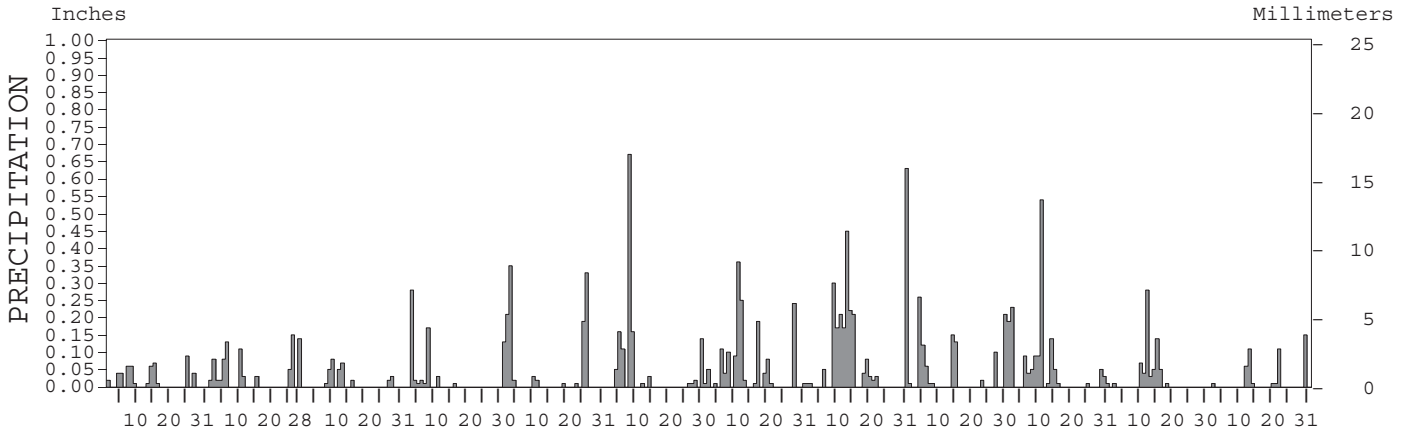
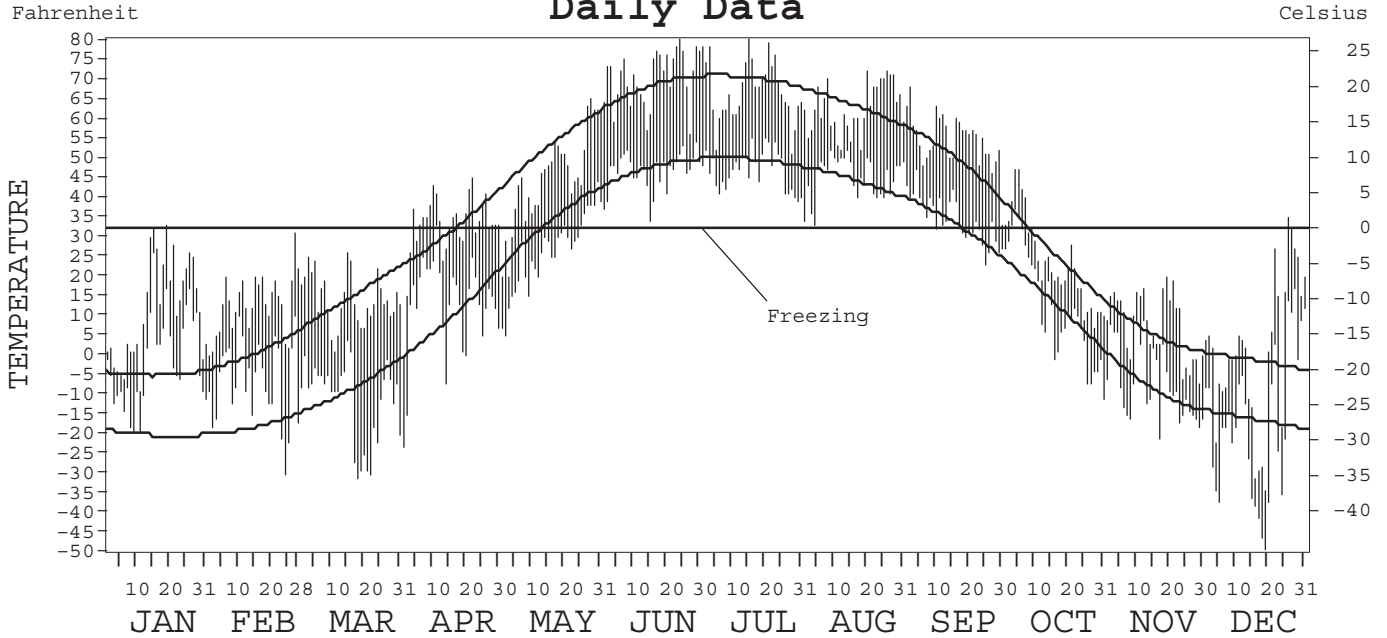
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9647

BETTLES, ALASKA (BTT)

Daily Data



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Thomas R. Karl

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| NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE | NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA | DIRECTOR NATIONAL CLIMATIC DATA CENTER |
|---|---|---|---|

METEOROLOGICAL DATA FOR 2001

BETTLES, AK (BTT)

LATITUDE: 66° 54' 58" N LONGITUDE: 151° 30' 32" W ELEVATION (FT): GRND: 649 BARO: 652 TIME ZONE: ALASKA (UTC + 9) WBAN: 26533

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 11.6 | 13.0 | 14.2 | 32.6 | 45.0 | 70.2 | 67.1 | 62.6 | 54.4 | 23.9 | 7.7 | .9 | 33.6 | |
| | HIGHEST DAILY MAXIMUM | 33 | 31 | 26 | 45 | 65 | 80 | 80 | 72 | 68 | 47 | 20 | 35 | 80 | |
| | DATE OF OCCURRENCE | 19 | 27 | 15 | 22 | 28 | 24 | 15 | 26+ | 02 | 05+ | 19 | 26 | JUL 15 | |
| | MEAN DAILY MINIMUM | -1.4 | -6.6 | -11.4 | 12.7 | 26.3 | 46.6 | 46.9 | 45.1 | 34.5 | 12.5 | -7.3 | -16.9 | 15.1 | |
| | LOWEST DAILY MINIMUM | -19 | -30 | -31 | -23 | 5 | 34 | 39 | 33 | 23 | -11 | -21 | -49 | -49 | |
| | DATE OF OCCURRENCE | 11+ | 24 | 18 | 01 | 02 | 15 | 30 | 04 | 25 | 31 | 17 | 19 | DEC 19 | |
| | AVERAGE DRY BULB | 5.1 | 3.2 | 1.4 | 22.7 | 35.7 | 58.4 | 57.0 | 53.9 | 44.5 | 18.2 | 0.2 | -8.0 | 24.4 | |
| | MEAN WET BULB | 4.8 | 4.2 | .0 | 20.4 | 30.7 | 50.6 | | 49.1 | 40.0 | 17.0 | .1 | | | |
| | MEAN DEW POINT | 1.0 | .0 | -7.9 | 13.1 | 21.8 | 42.3 | | 45.0 | 36.2 | 13.4 | -3.7 | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 70° | 0 | 0 | 0 | 0 | 0 | 17 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 35 |
| | MAXIMUM ≤ 32° | 30 | 28 | 31 | 11 | 4 | 0 | 0 | 0 | 0 | 24 | 30 | 30 | 30 | 188 |
| MINIMUM ≤ 32° | 31 | 28 | 31 | 29 | 23 | 0 | 0 | 0 | 12 | 28 | 30 | 31 | 31 | 243 | |
| MINIMUM ≤ 0° | 18 | 19 | 29 | 4 | 0 | 0 | 0 | 0 | 0 | 7 | 22 | 25 | 25 | 124 | |
| H/C | HEATING DEGREE DAYS | 1852 | 1722 | 1965 | 1262 | 903 | 195 | 245 | 338 | 611 | 1444 | 1935 | 2255 | 14727 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | |
| RH | MEAN (PERCENT) | 81 | 80 | 66 | 66 | 60 | 58 | 73 | 75 | 79 | 82 | 81 | 80 | 73 | |
| | HOUR 03 LST | 80 | 82 | 73 | 74 | 75 | 80 | 90 | 86 | 88 | 85 | 81 | 80 | 81 | |
| | HOUR 09 LST | 82 | 82 | 71 | 66 | 61 | 57 | 75 | 78 | 85 | 84 | 81 | 80 | 75 | |
| | HOUR 15 LST | 81 | 75 | 53 | 57 | 49 | 43 | 59 | 61 | 61 | 76 | 81 | 79 | 65 | |
| | HOUR 21 LST | 81 | 79 | 68 | 66 | 54 | 52 | 68 | 75 | 87 | 83 | 81 | 81 | 73 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 2 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 1 | 0 | 3 | 15 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 8 | |
| 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.) | 28.85 | 29.26 | 29.23 | 29.12 | 29.16 | 29.28 | | 29.08 | 29.00 | 29.06 | 29.12 | 29.01 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.59 | 30.01 | 29.99 | 29.85 | 29.88 | 29.99 | | 29.79 | 29.71 | 29.79 | 29.87 | 29.78 | | |
| WINDS | RESULTANT SPEED (MPH) | 4.1 | 3.6 | 4.3 | 3.1 | 1.7 | 1.7 | | 1.4 | 1.3 | 4.1 | 2.8 | 2.4 | | |
| | RES. DIR. (TENS OF DEGS.) | 34 | 36 | 34 | 02 | 33 | 22 | | 20 | 35 | 36 | 36 | 35 | | |
| | MEAN SPEED (MPH) | 5.7 | 5.1 | 5.8 | 7.0 | 6.0 | 6.0 | 5.5 | 6.2 | 4.3 | 6.2 | 3.6 | 4.0 | 5.4 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 33 | 33 | 32 | 01 | 31 | 23 | 23 | 22 | 33 | 01 | 36 | 33 | 33 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 22 | 24 | 17 | 22 | 16 | 20 | 22 | 18 | 16 | 21 | 21 | 21 | 24 | |
| | DIR. (TENS OF DEGS.) | 21 | 03 | 02 | 04 | 05 | 24 | 24 | 25 | 03 | 04 | 05 | 03 | 03 | |
| | DATE OF OCCURRENCE | 16 | 27 | 26+ | 27+ | 29+ | 21 | 29 | 07 | 27+ | 20 | 10 | 22 | FEB 27 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 29 | 35 | 22 | 31 | 26 | 25 | 28 | 24 | 21 | 38 | 29 | 26 | 38 | |
| DIR. (TENS OF DEGS.) | 21 | 05 | 02 | 09 | 06 | 31 | 22 | 21 | 11 | 03 | 05 | 03 | 03 | | |
| DATE OF OCCURRENCE | 16 | 27 | 24 | 18 | 29 | 02 | 29 | 14 | 22 | 20 | 10 | 22 | OCT 20 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.51 | 0.86 | 0.33 | 0.55 | 1.30 | 1.37 | 1.62 | 2.63 | 1.08 | 1.63 | 0.68 | 0.47 | 13.03 | |
| | GREATEST 24-HOUR (IN.) | 0.09 | 0.15 | 0.08 | 0.28 | 0.35 | 0.67 | 0.55 | 0.63 | 0.38 | 0.60 | 0.28 | 0.15 | 0.67 | |
| | DATE OF OCCURRENCE | 25 | 26 | 10 | 03 | 03 | 08 | 11-12 | 31 | 04-05 | 10-11 | 12 | 30 | JUN 08 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 12 | 12 | 8 | 8 | 10 | 11 | 17 | 16 | 11 | 16 | 9 | 8 | 138 | |
| PRECIPITATION ≥ 0.10 | 0 | 4 | 0 | 2 | 5 | 5 | 6 | 8 | 6 | 4 | 2 | 3 | 45 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 8.8 | 18.0 | 8.1 | 8.8 | 12.3 | T | 0.0 | 0.0 | 2.1 | 20.4 | 14.5 | 5.9 | 98.9 | |
| | GREATEST 24-HOUR (IN.) | 1.5 | 3.2 | 2.3 | 3.8 | 4.1 | T | 0.0 | 0.0 | 2.1 | 6.9 | 6.6 | 2.0 | 6.9 | |
| | DATE OF OCCURRENCE | 07 | 26 | 10 | 03 | 03 | 12 | 0 | 0 | 30 | 11 | 12 | 30 | OCT 11 | |
| | MAXIMUM SNOW DEPTH (IN.) | 24 | 30 | 31 | 33 | 34 | 0 | 0 | 0 | 1 | 9 | 14 | 16 | 34 | |
| | DATE OF OCCURRENCE | 15 | 27 | 18+ | 08+ | 05 | | | | 30 | 14+ | 18+ | 31 | MAY 05 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 3 | 8 | 4 | 2 | 3 | 0 | 0 | 0 | 1 | 6 | 5 | 2 | 34 | | |

NORMALS, MEANS, AND EXTREMES

BETTLES, AK (BTT)

LATITUDE: 66° 54' 58" N LONGITUDE: 151° 30' 32" W ELEVATION (FT): GRND: 649 BARO: 652 TIME ZONE: ALASKA (UTC + 9) WBAN: 26533

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | -4.9 | .3 | 14.4 | 31.5 | 52.9 | 67.5 | 69.6 | 62.7 | 49.0 | 24.9 | 5.1 | -1.8 | 30.9 |
| | MEAN DAILY MAXIMUM | 50 | -4.4 | 1.2 | 14.6 | 32.7 | 53.0 | 67.9 | 69.4 | 62.1 | 48.5 | 24.8 | 5.6 | -1.9 | 31.1 |
| | HIGHEST DAILY MAXIMUM | 51 | 48 | 40 | 49 | 63 | 86 | 92 | 93 | 88 | 79 | 53 | 45 | 38 | 93 |
| | YEAR OF OCCURRENCE | | 1980 | 1977 | 1998 | 1995 | 1983 | 1999 | 1986 | 1994 | 1957 | 1969 | 1976 | 1960 | JUL 1986 |
| | MEAN OF EXTREME MAXS. | 50 | 25.6 | 24.9 | 34.8 | 48.9 | 70.2 | 81.4 | 83.5 | 76.8 | 63.4 | 42.2 | 28.5 | 24.4 | 50.4 |
| | NORMAL DAILY MINIMUM | 30 | -20.4 | -18.3 | -8.6 | 9.7 | 33.5 | 47.0 | 49.2 | 43.8 | 32.4 | 12.1 | -8.8 | -16.7 | 12.9 |
| | MEAN DAILY MINIMUM | 50 | -20.1 | -17.4 | -8.9 | 10.5 | 33.5 | 46.9 | 48.8 | 43.5 | 32.2 | 11.5 | -8.3 | -17.2 | 12.9 |
| | LOWEST DAILY MINIMUM | 51 | -70 | -64 | -56 | -37 | -10 | 27 | 29 | 22 | 0 | -35 | -57 | -59 | -70 |
| | YEAR OF OCCURRENCE | | 1975 | 1999 | 1964 | 1986 | 1952 | 1960 | 1955 | 1974 | 1992 | 1992 | 1974 | 1974 | JAN 1975 |
| | MEAN OF EXTREME MINS. | 50 | -49.0 | -44.8 | -34.6 | -14.4 | 17.6 | 35.2 | 37.9 | 30.5 | 16.6 | -11.7 | -33.5 | -44.8 | -7.9 |
| | NORMAL DRY BULB | 30 | -12.7 | -9.0 | 2.9 | 20.7 | 43.2 | 57.2 | 59.4 | 53.3 | 40.8 | 18.5 | -1.8 | -9.3 | 21.9 |
| | MEAN DRY BULB | 50 | -12.3 | -8.1 | 2.9 | 21.6 | 43.2 | 57.4 | 59.1 | 52.7 | 40.3 | 18.3 | -1.3 | -9.5 | 22.0 |
| | MEAN WET BULB | 13 | -5.6 | -6.1 | 4.2 | 20.2 | 38.1 | 50.9 | 50.2 | 45.3 | 34.2 | 16.1 | -4.3 | -3.5 | 20.0 |
| | MEAN DEW POINT | 13 | -10.1 | -11.7 | -3.5 | 12.2 | 29.4 | 42.8 | 44.9 | 41.4 | 29.9 | 12.1 | -9.7 | -8.6 | 14.1 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 70° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 12.7 | 15.8 | 5.4 | 0.4 | 0.0 | 0.0 | 0.0 | 35.6 | |
| MAXIMUM ≤ 32° | 30 | 30.3 | 27.6 | 28.1 | 15.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.7 | 22.8 | 29.4 | 30.8 | 185.3 | |
| MINIMUM ≤ 32° | 30 | 31.0 | 28.0 | 31.0 | 29.1 | 13.6 | 0.3 | 0.1 | 2.0 | 14.3 | 29.8 | 30.0 | 31.0 | 240.2 | |
| MINIMUM ≤ 0° | 30 | 25.1 | 23.0 | 21.7 | 8.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 7.1 | 21.1 | 24.1 | 130.3 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 2409 | 2072 | 1925 | 1329 | 676 | 238 | 192 | 373 | 726 | 1442 | 2004 | 2303 | 15689 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 11 | 0 | 0 | 0 | 0 | 29 |
| RH | NORMAL (PERCENT) | 30 | 68 | 67 | 65 | 67 | 61 | 60 | 68 | 76 | 76 | 78 | 73 | 72 | 69 |
| | HOUR 03 LST | 30 | 70 | 68 | 68 | 74 | 75 | 77 | 85 | 88 | 84 | 80 | 74 | 72 | 76 |
| | HOUR 09 LST | 30 | 68 | 67 | 66 | 67 | 62 | 61 | 70 | 80 | 80 | 79 | 74 | 72 | 70 |
| | HOUR 15 LST | 30 | 67 | 63 | 59 | 60 | 49 | 47 | 54 | 61 | 63 | 72 | 72 | 72 | 62 |
| | HOUR 21 LST | 30 | 68 | 67 | 66 | 67 | 56 | 53 | 62 | 74 | 77 | 79 | 73 | 72 | 68 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 30 | 0.8 | 0.5 | 0.2 | 0.3 | 0.3 | 0.2 | 0.7 | 1.2 | 1.2 | 0.8 | 0.4 | 0.4 | 7.0 |
| | THUNDERSTORMS | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2.8 | 3.4 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 7.6 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 5 | 3.8 | 4.6 | 4.9 | 4.8 | 5.0 | 5.3 | 4.9 | 5.1 | 4.3 | 4.9 | 3.8 | 4.1 | 4.6 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 4 | 2.7 | 1.5 | 2.4 | 2.7 | 4.0 | 3.7 | 4.3 | 4.4 | 4.3 | 4.8 | 3.3 | 3.1 | 3.4 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 6 | 14.8 | 9.8 | 9.4 | 7.2 | 6.8 | 3.8 | 1.7 | 1.8 | 5.5 | 3.8 | 7.8 | 7.5 | 79.9 | |
| PARTLY CLOUDY | 6 | 5.2 | 4.2 | 5.4 | 9.8 | 11.0 | 13.4 | 8.2 | 6.8 | 5.8 | 4.8 | 5.2 | 5.5 | 85.3 | |
| CLOUDY | 6 | 11.0 | 14.0 | 16.2 | 13.0 | 13.2 | 12.8 | 16.0 | 17.2 | 13.7 | 17.2 | 12.0 | 12.8 | 169.1 | |
| PR | MEAN STATION PRESSURE (IN) | 18 | 29.17 | 29.29 | 29.19 | 29.11 | 29.11 | 29.11 | 29.20 | 29.19 | 29.09 | 29.10 | 29.19 | 29.20 | 29.16 |
| | MEAN SEA-LEVEL PRES. (IN) | 16 | 29.92 | 30.01 | 29.98 | 29.92 | 29.89 | 29.99 | 29.93 | 29.89 | 29.84 | 29.88 | 29.91 | 29.86 | 29.92 |
| WINDS | MEAN SPEED (MPH) | 30 | 5.6 | 6.2 | 6.9 | 7.6 | 7.1 | 6.7 | 6.3 | 6.0 | 6.3 | 6.4 | 5.8 | 5.7 | 6.4 |
| | PREVAIL. DIR (TENS OF DEGS) | 18 | 33 | 32 | 32 | 02 | 36 | 23 | 16 | 18 | 36 | 36 | 33 | 33 | 33 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 2 | 22 | 24 | 24 | 23 | 18 | 22 | 22 | 22 | 16 | 21 | 21 | 23 | 24 |
| | DIR. (TENS OF DEGS) | | 21 | 03 | 05 | 05 | 06 | 22 | 24 | 01 | 03 | 04 | 05 | 05 | 03 |
| | YEAR OF OCCURRENCE | | 2001 | 2001 | 2000 | 2000 | 2000 | 2000 | 2001 | 2000 | 2001 | 2001 | 2001 | 2000 | FEB 2001 |
| MAXIMUM 5-SECOND: | | | | | | | | | | | | | | | |
| SPEED (MPH) | 2 | 29 | 35 | 39 | 38 | 28 | 30 | 29 | 36 | 23 | 38 | 29 | 38 | 39 | |
| DIR. (TENS OF DEGS) | | 21 | 05 | 05 | 04 | 06 | 23 | 07 | 36 | 36 | 03 | 05 | 04 | 05 | |
| YEAR OF OCCURRENCE | | 2001 | 2001 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2001 | 2001 | 2000 | MAR 2000 | |
| PRECIPITATION | NORMAL (IN) | 30 | 0.69 | 0.64 | 0.68 | 0.64 | 0.61 | 1.44 | 1.94 | 2.38 | 1.72 | 1.20 | 0.90 | 0.90 | 13.74 |
| | MAXIMUM MONTHLY (IN) | 51 | 3.42 | 2.94 | 3.60 | 1.88 | 3.01 | 3.59 | 5.42 | 9.16 | 4.72 | 3.82 | 3.85 | 3.09 | 9.16 |
| | YEAR OF OCCURRENCE | | 1973 | 1964 | 1963 | 1965 | 1998 | 1965 | 1963 | 1994 | 1993 | 1972 | 1967 | 1992 | AUG 1994 |
| | MINIMUM MONTHLY (IN) | 51 | T | T | T | 0.01 | 0.04 | T | 0.00 | 0.41 | 0.13 | 0.12 | 0.02 | 0.12 | 0.00 |
| | YEAR OF OCCURRENCE | | 1961 | 1979 | 1960 | 1986 | 1959 | 1959 | 1959 | 1958 | 1984 | 1974 | 1995 | 1995 | JUL 1959 |
| | MAXIMUM IN 24 HOURS (IN) | 51 | 1.40 | 1.03 | 0.87 | 0.98 | 1.02 | 1.93 | 1.46 | 2.96 | 1.31 | 1.32 | 1.35 | 0.78 | 2.96 |
| | YEAR OF OCCURRENCE | | 1973 | 1996 | 1963 | 1982 | 1995 | 1958 | 1970 | 1994 | 1954 | 1972 | 1992 | 1992 | AUG 1994 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 7.0 | 6.9 | 7.6 | 6.9 | 6.3 | 9.9 | 11.8 | 13.4 | 10.9 | 10.8 | 9.8 | 10.3 | 111.6 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | 0.1 | * | * | 0.1 | 0.0 | 0.0 | 0.2 | |
| SNOWFALL | NORMAL (IN) | 30 | 11.5 | 9.2 | 9.8 | 8.4 | 0.9 | T | 0.0 | 0.1 | 1.8 | 12.0 | 13.5 | 15.7 | 82.9 |
| | MAXIMUM MONTHLY (IN) | 51 | 55.8 | 32.8 | 35.2 | 34.7 | 12.3 | T | T | 2.6 | 19.2 | 28.3 | 41.6 | 40.2 | 55.8 |
| | YEAR OF OCCURRENCE | | 1973 | 1989 | 1991 | 1984 | 2001 | 1974 | 2000 | 1969 | 1996 | 1972 | 1967 | 1987 | JAN 1973 |
| | MAXIMUM IN 24 HOURS (IN) | 51 | 21.7 | 11.1 | 10.6 | 10.8 | 6.7 | T | T | 2.6 | 5.6 | 10.8 | 19.0 | 11.1 | 21.7 |
| | YEAR OF OCCURRENCE | | 1973 | 1996 | 1991 | 1975 | 1952 | 1987 | 2000 | 1969 | 1972 | 1976 | 1994 | 1984 | JAN 1973 |
| | MAXIMUM SNOW DEPTH (IN) | 49 | 71 | 61 | 73 | 86 | 50 | 0 | 0 | 2 | 9 | 22 | 42 | 59 | 86 |
| | YEAR OF OCCURRENCE | | 1973 | 1968 | 1963 | 1963 | 1963 | | | 1969 | 1968 | 1994 | 1994 | 1994 | APR 1963 |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 3.3 | 2.8 | 3.4 | 2.5 | 0.4 | 0.0 | 0.0 | 0.* | 0.7 | 4.3 | 4.1 | 5.2 | 26.7 | |

PRECIPITATION (inches) 2001 BETTLES, AK (BTT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1972 | 1.25 | 0.11 | 0.50 | 0.03 | 0.25 | 1.78 | 0.41 | 2.70 | 0.39 | 3.82 | 0.67 | 1.46 | 13.37 |
| 1973 | 3.42 | 0.20 | 0.30 | 0.32 | 0.51 | 0.64 | 1.17 | 2.31 | 1.02 | 1.31 | 0.92 | 0.39 | 12.51 |
| 1974 | 0.35 | 0.09 | 0.26 | 0.12 | 0.44 | 1.60 | 1.53 | 1.32 | 2.05 | 0.12 | 1.51 | 0.27 | 9.66 |
| 1975 | 0.68 | 0.54 | 0.29 | 0.38 | 0.30 | 1.25 | 1.05 | 0.68 | 2.37 | 0.63 | 0.51 | 0.58 | 9.26 |
| 1976 | 0.49 | 1.43 | 0.60 | 0.17 | 1.20 | 1.34 | 2.95 | 1.92 | 1.87 | 1.48 | 1.45 | 0.21 | 15.11 |
| 1977 | 0.40 | 0.49 | 0.66 | 0.71 | 1.45 | 1.31 | 1.37 | 1.71 | 3.65 | 0.80 | 0.10 | 1.36 | 14.01 |
| 1978 | 0.40 | 0.41 | 0.43 | 0.46 | 0.11 | 2.45 | 0.44 | 0.83 | 1.22 | 0.41 | 1.30 | 1.04 | 9.50 |
| 1979 | 0.09 | T | 0.44 | 1.07 | 0.65 | 1.94 | 2.25 | 1.11 | 0.87 | 1.13 | 2.66 | 0.51 | 12.72 |
| 1980 | 0.56 | 0.67 | 0.10 | 0.24 | 1.13 | 2.49 | 1.69 | 1.76 | 0.46 | 1.99 | 0.30 | 0.39 | 11.78 |
| 1981 | 0.94 | 1.21 | 0.31 | 0.58 | 0.52 | 1.56 | 4.06 | 2.79 | 0.65 | 1.19 | 0.81 | 0.43 | 15.05 |
| 1982 | 0.35 | 0.32 | 1.24 | 1.51 | 0.36 | 1.70 | 4.29 | 2.51 | 4.14 | 0.38 | 0.72 | 1.01 | 18.53 |
| 1983 | 0.05 | 0.12 | 0.11 | 0.33 | 0.22 | 0.18 | 1.77 | 4.07 | 1.81 | 1.23 | 0.22 | 0.17 | 10.28 |
| 1984 | 0.55 | 0.35 | 0.10 | 0.75 | 0.42 | 1.65 | 3.94 | 3.23 | 0.13 | 0.15 | 0.08 | 0.82 | 12.17 |
| 1985 | 0.87 | 0.27 | 0.96 | 0.12 | 1.01 | 1.56 | 1.45 | 2.35 | 3.91 | 0.81 | 0.87 | 0.69 | 14.87 |
| 1986 | 0.34 | 0.29 | 0.16 | 0.01 | 0.73 | 2.62 | 1.35 | 2.12 | 2.47 | 1.46 | 0.41 | 1.06 | 13.02 |
| 1987 | 0.65 | 0.30 | 0.04 | 0.10 | 1.02 | 2.28 | 2.17 | 1.52 | 3.20 | 1.61 | 0.51 | 1.46 | 14.86 |
| 1988 | 1.28 | 0.59 | 0.16 | 0.28 | 0.91 | 0.58 | 1.44 | 3.61 | 1.50 | 1.05 | 0.45 | 1.15 | 13.00 |
| 1989 | 0.66 | 2.24 | 0.08 | 1.26 | 1.44 | 1.26 | 2.00 | 3.57 | 1.01 | 0.99 | 0.50 | 1.01 | 16.02 |
| 1990 | 0.39 | 0.59 | 1.89 | 0.32 | 0.68 | 1.39 | 1.80 | 1.54 | 2.38 | 1.03 | 0.53 | 1.01 | 13.55 |
| 1991 | 1.61 | 0.42 | 2.25 | 0.44 | 2.23 | 0.63 | 1.51 | 0.83 | 1.00 | 1.16 | 0.22 | 0.66 | 12.96 |
| 1992 | 0.50 | 0.81 | 0.51 | 0.25 | 0.22 | 3.11 | 2.86 | 2.58 | 0.59 | 0.97 | 3.36 | 3.09 | 18.85 |
| 1993 | 3.20 | 0.49 | 1.15 | 0.06 | 0.83 | 1.36 | 1.53 | 2.59 | 4.72 | 1.28 | 1.91 | 0.88 | 20.00 |
| 1994 | 0.75 | 0.33 | 1.35 | 0.28 | 0.89 | 0.92 | 1.88 | 9.16 | 0.33 | 1.38 | 1.41 | 1.21 | 19.89 |
| 1995 | 0.24 | 0.13 | 0.52 | 0.24 | 2.20 | 1.42 | 1.26 | 2.64 | 1.88 | 0.96 | 0.02 | 0.12 | 11.63 |
| 1996 | 0.21 | 2.77 | 0.38 | 0.11 | 0.33 | 0.96 | 2.31 | 2.40 | 1.28 | 0.58 | 0.60 | 0.78 | 12.71 |
| 1997 | 0.30 | 0.83 | T | 0.07 | 0.22 | 0.85 | 1.88 | 2.23 | 2.34 | 0.92 | 0.95 | 0.77 | 11.36 |
| 1998 | 0.23 | 0.29 | 0.07 | 0.60 | 3.01 | 1.43 | 3.52 | 4.66 | 1.85 | 0.50 | 0.60 | 0.78 | 17.54 |
| 1999 | 1.49 | 0.43 | 0.44 | 0.17 | 0.63 | 0.74 | 3.20 | 2.41 | 1.52 | 0.56 | 0.36 | 0.71 | 12.66 |
| 2000 | 2.55 | 0.65 | 0.62 | 0.23 | 0.40 | 1.05 | 3.73 | 2.00 | 2.60 | 0.78 | 1.72 | 0.47 | 16.80 |
| 2001 | 0.51 | 0.86 | 0.33 | 0.55 | 1.30 | 1.37 | 1.62 | 2.63 | 1.08 | 1.63 | 0.68 | 0.47 | 13.03 |
| POR= 51 YRS | 0.81 | 0.68 | 0.68 | 0.52 | 0.68 | 1.38 | 1.92 | 2.54 | 1.71 | 1.08 | 0.89 | 0.79 | 13.68 |

WBAN : 26533

AVERAGE TEMPERATURE (°F) 2001 BETTLES, AK (BTT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|--------|
| 1972 | -24.8 | -19.8 | -13.0 | 13.2 | 42.6 | 57.7 | 62.3 | 55.9 | 37.9 | 21.1 | -7 | -6.0 | 18.9 |
| 1973 | -24.7 | -7.4 | 0.5 | 23.2 | 45.4 | 58.0 | 56.5 | 50.2 | 42.3 | 17.4 | -8.8 | -2 | 21.0 |
| 1974 | -19.5 | -27.6 | 0.4 | 23.2 | 47.3 | 55.4 | 59.4 | 56.8 | 46.5 | 16.9 | -10.2 | -19.1 | 19.1 |
| 1975 | -21.7 | -6.1 | 5.9 | 18.0 | 45.2 | 57.8 | 62.4 | 53.9 | 38.5 | 18.0 | -10.1 | -18.6 | 20.3 |
| 1976 | -13.8 | -20.2 | 4.4 | 26.2 | 43.8 | 56.8 | 58.4 | 58.4 | 44.3 | 19.0 | 12.4 | -9.3 | 23.4 |
| 1977 | 5.3 | 4.8 | -5.6 | 14.6 | 43.3 | 58.2 | 63.7 | 60.9 | 42.8 | 22.1 | -8.4 | -14.7 | 23.9 |
| 1978 | 2.2 | -1.8 | 6.9 | 26.2 | 45.2 | 53.3 | 62.5 | 56.4 | 45.6 | 15.7 | 8.4 | -4.2 | 26.4 |
| 1979 | -5.1 | -26.7 | 4.4 | 22.1 | 48.0 | 55.7 | 58.8 | 57.8 | 42.9 | 27.6 | 17.0 | -22.6 | 23.3 |
| 1980 | -14.6 | 4.9 | 8.3 | 24.1 | 48.0 | 55.7 | 60.7 | 51.5 | 35.9 | 23.9 | 4.9 | -27.4 | 23.0 |
| 1981 | 16.1 | -1.7 | 17.5 | 21.9 | 48.5 | 55.6 | 53.9 | 51.3 | 39.7 | 23.4 | 2.5 | -8.4 | 26.7 |
| 1982 | -14.9 | -8.9 | 6.0 | 17.2 | 39.6 | 56.9 | 60.4 | 53.3 | 43.0 | 9.6 | -6 | -2.1 | 21.6 |
| 1983 | -17.2 | -2.3 | 4.7 | 26.9 | 43.3 | 58.4 | 61.2 | 48.6 | 33.9 | 14.0 | 8.5 | -7.1 | 22.7 |
| 1984 | -16.2 | -24.2 | 9.1 | 14.8 | 40.5 | 60.3 | 58.2 | 48.9 | 42.4 | 20.8 | -5.9 | -8.1 | 20.1 |
| 1985 | 10.3 | -14.4 | 6.9 | 10.7 | 41.2 | 56.2 | 60.3 | 53.5 | 38.7 | 14.6 | | 6.9 | |
| 1986 | -5.5 | 0.3 | | 10.2 | 41.5 | 59.4 | 59.7 | 49.3 | 40.8 | 17.1 | -4.9 | 5.3 | |
| 1987 | -4.7 | -5.0 | 6.1 | 21.1 | 45.2 | 58.3 | 60.7 | 53.1 | 37.2 | 25.9 | 3.8 | -5.1 | 24.7 |
| 1988 | -5.1 | 0.0 | 8.5 | 25.9 | 47.6 | 59.3 | 61.9 | 52.9 | 40.2 | 9.3 | -5.3 | 0.5 | 24.6 |
| 1989 | -31.5 | 6.3 | 0.7 | 26.6 | 41.8 | 56.5 | 58.9 | 55.8 | 43.2 | 19.7 | -9.6 | 0.7 | 22.4 |
| 1990 | -16.6 | -29.4 | 11.1 | 29.3 | 51.0 | 59.1 | 62.5 | 57.2 | 38.7 | 18.2 | -12.9 | -14.5 | 21.1 |
| 1991 | -8.0 | -6.3 | 2.6 | 26.8 | 48.6 | 62.0 | 58.9 | 51.7 | 44.8 | 20.4 | -5.6 | -7.5 | 24.0 |
| 1992 | -4.7 | -12.3 | 9.7 | 19.5 | 34.0 | 59.9 | 62.9 | 52.8 | 29.3 | 13.7 | -2 | -13.2 | 21.0 |
| 1993 | -11.4 | -6 | 10.5 | 31.5 | 46.0 | 60.8 | 63.6 | 51.2 | 36.8 | 24.7 | 0.2 | 1.8 | 26.3 |
| 1994 | 0.7 | -8.3 | -9 | 24.1 | 47.8 | 55.1 | 62.3 | 54.0 | 39.4 | 18.1 | -12.1 | -10.3 | 22.5 |
| 1995 | -8.0 | -3.1 | -2.6 | 33.8 | 50.3 | 56.0 | 60.4 | 52.7 | 47.2 | 23.1 | -9.0 | -11.5 | 24.1 |
| 1996 | -20.1 | -9.7 | 7.4 | 21.4 | 43.3 | 56.8 | 58.4 | 47.2 | 37.5 | 8.0 | 0.6 | -9.0 | 20.2 |
| 1997 | -14.9 | 5.2 | -2.2 | 26.1 | 45.2 | 61.2 | 60.5 | 54.5 | 45.8 | 11.8 | 7.9 | -4.8 | 24.7 |
| 1998 | -13.1 | 0.6 | 14.7 | 34.1 | 45.8 | 55.7 | 61.8 | 50.3 | 42.1 | 23.8 | 4.0 | -5.2 | 26.2 |
| 1999 | -19.9 | -18.0 | 2.0 | 24.2 | 46.3 | 61.5 | 60.8 | 56.3 | 43.2 | 16.5 | -5.9 | -16.5 | 20.9 |
| 2000 | -13.8 | 5.8 | 9.9 | 21.7 | 37.5 | 59.6 | 56.4 | 48.8 | 37.7 | 15.2 | 7.3 | 0.4 | 23.9 |
| 2001 | 5.1 | 3.2 | 1.4 | 22.7 | 35.7 | 58.4 | 57.0 | 53.9 | 44.5 | 18.2 | 0.2 | -8.0 | 24.4 |
| POR= 50 YRS | -12.3 | -8.2 | 4.1 | 21.4 | 43.2 | 57.5 | 59.1 | 52.8 | 40.3 | 18.3 | -1.2 | -9.5 | 22.1 |

HEATING DEGREE DAYS (base 65°F) 2001 BETTLES, AK (BTT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|------|------|------|------|------|------|------|------|-----|-----|-------|
| 1972-73 | 123 | 272 | 804 | 1354 | 1968 | 2199 | 2783 | 2029 | 2004 | 1246 | 600 | 211 | 15593 |
| 1973-74 | 255 | 453 | 674 | 1468 | 2217 | 2023 | 2598 | 2004 | 1249 | 540 | 300 | | |
| 1974-75 | 192 | 260 | 543 | 1480 | 2257 | 2615 | 2690 | 1997 | 1829 | 1403 | 605 | 210 | 16081 |
| 1975-76 | 134 | 337 | 790 | 1454 | 2260 | 2595 | 2450 | 2474 | 1877 | 1156 | 651 | 240 | 16418 |
| 1976-77 | 219 | 204 | 613 | 1420 | 1575 | 2310 | 1848 | 1682 | 2191 | 1510 | 665 | 196 | 14433 |
| 1977-78 | 88 | 157 | 663 | 1321 | 2205 | 2471 | 1948 | 1872 | 1793 | 1158 | 607 | 341 | 14624 |
| 1978-79 | 94 | 257 | 574 | 1521 | 1696 | 2144 | 2173 | 2574 | 1878 | 1280 | 521 | 271 | 14983 |
| 1979-80 | 194 | 218 | 655 | 1154 | 1435 | 2721 | 2472 | 1742 | 1751 | 1221 | 521 | 279 | 14363 |
| 1980-81 | 146 | 420 | 864 | 1269 | 1800 | 2868 | 1513 | 1870 | 1466 | 1288 | 502 | 283 | 14289 |
| 1981-82 | 335 | 416 | 753 | 1283 | 1876 | 2276 | 2481 | 2073 | 1827 | 1427 | 780 | 247 | 15774 |
| 1982-83 | 170 | 356 | 654 | 1716 | 1969 | 2079 | 2549 | 1883 | 1866 | 1135 | 677 | 223 | 15277 |
| 1983-84 | 144 | 498 | 925 | 1575 | 1692 | 2240 | 2525 | 2592 | 1730 | 1499 | 750 | 144 | 16314 |
| 1984-85 | 215 | 490 | 673 | 1365 | 2132 | 2271 | 1689 | 2228 | 1800 | 1623 | 729 | 269 | 15484 |
| 1985-86 | 143 | 359 | 782 | 1557 | 1800 | 2186 | 1811 | 1811 | 1641 | 1641 | 722 | 170 | |
| 1986-87 | 202 | 482 | 719 | 1479 | 2097 | 1850 | 2158 | 1963 | 1827 | 1310 | 608 | 228 | 14923 |
| 1987-88 | 140 | 364 | 828 | 1206 | 1836 | 2174 | 2175 | 1888 | 1748 | 1169 | 532 | 176 | 14236 |
| 1988-89 | 118 | 370 | 738 | 1725 | 2113 | 1998 | 2996 | 1638 | 1993 | 1145 | 712 | 258 | 15804 |
| 1989-90 | 194 | 279 | 646 | 1398 | 2240 | 1994 | 2532 | 2649 | 1669 | 1064 | 436 | 198 | 15299 |
| 1990-91 | 115 | 241 | 784 | 1448 | 2341 | 2470 | 2268 | 1996 | 1935 | 1140 | 501 | 171 | 15140 |
| 1991-92 | 199 | 406 | 599 | 1373 | 2122 | 2249 | 2159 | 2246 | 1707 | 1358 | 955 | 167 | 15540 |
| 1992-93 | 82 | 372 | 1064 | 1586 | 1953 | 2431 | 2364 | 1834 | 1680 | 999 | 583 | 133 | 15081 |
| 1993-94 | 84 | 418 | 838 | 1240 | 1939 | 1959 | 1993 | 2055 | 2045 | 1217 | 530 | 304 | 14622 |
| 1994-95 | 120 | 355 | 759 | 1446 | 2316 | 2336 | 2268 | 1908 | 2097 | 931 | 453 | 260 | 15249 |
| 1995-96 | 149 | 379 | 528 | 1293 | 2226 | 2375 | 2640 | 2167 | 1780 | 1301 | 667 | 239 | 15744 |
| 1996-97 | 199 | 543 | 819 | 1764 | 1930 | 2288 | 2471 | 1669 | 2077 | 1163 | 604 | 141 | 15668 |
| 1997-98 | 148 | 322 | 568 | 1640 | 1709 | 2158 | 2413 | 1794 | 1554 | 921 | 589 | 276 | 14092 |
| 1998-99 | 116 | 447 | 681 | 1269 | 1823 | 2169 | 2623 | 2319 | 1949 | 1219 | 570 | 141 | 15326 |
| 1999-00 | 176 | 273 | 645 | 1498 | 2121 | 2515 | 2437 | 1712 | 1701 | 1290 | 842 | 159 | 15369 |
| 2000-01 | 269 | 493 | 813 | 1537 | 1724 | 1994 | 1852 | 1722 | 1965 | 1262 | 903 | 195 | 14729 |
| 2001- | 245 | 338 | 611 | 1444 | 1935 | 2255 | | | | | | | |

WBAN : 26533

COOLING DEGREE DAYS (base 65°F) 2001 BETTLES, AK (BTT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 0 | 0 | 0 | 0 | 0 | 42 | 47 | 0 | 0 | 0 | 0 | 0 | 89 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 20 | 30 | 11 | 0 | 0 | 0 | 0 | 61 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 59 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 5 | 0 | 0 | 0 | 0 | 27 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 36 | 0 | 0 | 0 | 0 | 90 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 21 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 12 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 8 | 17 | 11 | 0 | 0 | 0 | 0 | 36 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 13 | 31 | 0 | 0 | 0 | 0 | 0 | 44 |
| 1983 | 0 | 0 | 0 | 0 | 9 | 30 | 33 | 0 | 0 | 0 | 0 | 0 | 72 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 9 | 11 | 0 | 0 | 0 | 0 | 0 | 20 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 10 | 0 | 0 | 0 | 0 | |
| 1986 | 0 | 0 | 0 | 0 | 0 | 10 | 46 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 34 | 13 | 0 | 0 | 0 | 0 | 0 | 47 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 15 | 29 | 0 | 0 | 0 | 0 | 0 | 44 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 8 | 10 | 2 | 0 | 0 | 0 | 0 | 20 |
| 1990 | 0 | 0 | 0 | 0 | 7 | 27 | 46 | 7 | 0 | 0 | 0 | 0 | 87 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 88 | 18 | 0 | 0 | 0 | 0 | 0 | 106 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 22 | 21 | 1 | 0 | 0 | 0 | 0 | 44 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 12 | 46 | 0 | 0 | 0 | 0 | 0 | 58 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 12 | 43 | 19 | 0 | 0 | 0 | 0 | 74 |
| 1995 | 0 | 0 | 0 | 0 | 7 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 20 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 35 | 13 | 3 | 0 | 0 | 0 | 0 | 51 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 27 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 43 | 52 | 13 | 0 | 0 | 0 | 0 | 108 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 0 | 0 | 0 | 0 | 0 | 15 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |

SNOWFALL (inches) 2001 BETTLES, AK (BTT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|------|------|------|------|------|------|------|------|------|-----|-------|
| 1972-73 | 0.0 | 0.0 | 5.6 | 28.3 | 6.8 | 21.6 | 55.8 | 4.0 | 5.5 | 3.8 | T | 0.0 | 131.4 |
| 1973-74 | 0.0 | T | 2.3 | 15.2 | 16.9 | 4.5 | 3.8 | 2.2 | 3.0 | 1.6 | 0.0 | T | 49.5 |
| 1974-75 | 0.0 | 0.0 | 0.3 | 4.9 | 18.6 | 5.1 | 11.4 | 8.5 | 3.7 | 11.9 | 0.3 | 0.0 | 64.7 |
| 1975-76 | 0.0 | 0.0 | T | 7.2 | 7.7 | 12.2 | 13.1 | 14.8 | 8.4 | 3.2 | T | 0.0 | 66.6 |
| 1976-77 | 0.0 | 0.0 | T | 27.9 | 23.4 | 5.1 | 10.5 | 8.7 | 16.2 | 6.4 | 0.2 | 0.0 | 98.4 |
| 1977-78 | 0.0 | 0.0 | T | 12.6 | 1.2 | 29.7 | 9.4 | 8.0 | 13.4 | 5.5 | T | 0.0 | 79.8 |
| 1978-79 | 0.0 | 0.0 | 3.2 | 8.0 | 21.9 | 33.1 | 3.5 | 0.3 | 8.6 | 8.1 | T | 0.0 | 86.7 |
| 1979-80 | 0.0 | 0.0 | 8.0 | 15.0 | 36.3 | 13.0 | 8.7 | 11.0 | 4.2 | 6.1 | 0.0 | 0.0 | 102.3 |
| 1980-81 | 0.0 | 0.0 | 4.4 | 17.6 | 9.2 | 7.2 | 18.7 | 21.1 | 6.3 | 6.2 | 0.0 | 0.0 | 90.7 |
| 1981-82 | 0.0 | 0.0 | 0.6 | 8.8 | 25.8 | 7.9 | 4.1 | 1.8 | 24.2 | 5.3 | 1.1 | 0.0 | 79.6 |
| 1982-83 | 0.0 | 0.0 | T | 10.0 | 11.0 | 20.5 | 1.5 | 3.5 | 1.7 | 5.9 | T | 0.0 | 54.1 |
| 1983-84 | 0.0 | T | 3.7 | 21.7 | 7.5 | 6.6 | 12.4 | 11.0 | 3.0 | 34.7 | 2.0 | 0.0 | 102.6 |
| 1984-85 | 0.0 | 0.0 | 0.5 | 4.2 | 1.4 | 22.5 | 20.9 | 9.9 | 21.8 | 2.8 | 3.7 | 0.0 | 87.7 |
| 1985-86 | 0.0 | 0.0 | 0.6 | 8.3 | 10.7 | 10.8 | 7.6 | 5.3 | 1.2 | 0.8 | 1.2 | 0.0 | 46.5 |
| 1986-87 | 0.0 | 0.0 | 1.3 | 12.9 | 7.2 | 18.3 | 12.0 | 4.9 | 0.6 | 4.1 | 0.0 | 0.0 | 61.3 |
| 1987-88 | 0.0 | 0.0 | 2.0 | 19.6 | 9.6 | 40.2 | 18.2 | 13.5 | 6.3 | 2.8 | 2.6 | 0.0 | 114.8 |
| 1988-89 | 0.0 | 0.0 | 0.6 | 13.8 | 7.0 | 25.0 | 13.0 | 32.8 | 2.2 | 10.9 | 2.2 | 0.0 | 107.5 |
| 1989-90 | 0.0 | 0.0 | T | 8.2 | 10.8 | 18.0 | 10.8 | 7.1 | 31.0 | 3.3 | 0.0 | 0.0 | 89.2 |
| 1990-91 | 0.0 | 0.0 | 5.6 | 17.1 | 13.0 | 21.8 | 29.3 | 5.5 | 35.2 | 3.0 | T | 0.0 | 130.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 6.2 | 4.1 | 11.0 | 8.2 | 11.6 | 7.9 | 4.0 | 3.3 | 0.0 | 56.3 |
| 1992-93 | 0.0 | 0.0 | 4.6 | 15.2 | 36.3 | 36.6 | 40.8 | 10.6 | 25.0 | 1.5 | T | 0.0 | 170.6 |
| 1993-94 | 0.0 | T | 8.9 | 12.4 | 27.9 | 20.4 | 15.7 | 5.9 | 18.3 | 3.4 | 0.3 | 0.0 | 113.2 |
| 1994-95 | 0.0 | T | 0.9 | 21.2 | 29.7 | 23.9 | 4.0 | 3.1 | 7.1 | T | T | 0.0 | 89.9 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 8.7 | 1.1 | 2.0 | 3.2 | 31.7 | 6.2 | 1.8 | 1.6 | 0.0 | 56.3 |
| 1996-97 | 0.0 | 0.0 | 19.2 | 9.3 | 10.3 | 20.1 | 4.5 | 15.0 | T | 1.2 | T | 0.0 | 79.6 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 11.6 | 15.8 | 15.2 | 3.3 | 7.6 | 1.0 | 2.8 | 1.7 | 0.0 | 59.0 |
| 1998-99 | 0.0 | T | 0.4 | 7.0 | 7.8 | 11.5 | 20.8 | 6.6 | 7.5 | 2.3 | 1.4 | 0.0 | 65.3 |
| 1999-00 | 0.0 | 0.0 | 1.1 | 12.0 | 9.4 | 13.1 | 34.7 | 13.1 | 10.1 | 3.2 | T | T | 96.7 |
| 2000-01 | T | 0.0 | 5.2 | 14.4 | 26.9 | 8.6 | 8.8 | 18.0 | 8.1 | 8.8 | 12.3 | T | 111.1 |
| 2001- | 0.0 | 0.0 | 2.1 | 20.4 | 14.5 | 5.9 | | | | | | | |
| POR= 50 YRS | 0.0 | 0.1 | 1.9 | 12.2 | 13.5 | 14.6 | 12.1 | 9.7 | 10.2 | 6.5 | 1.5 | T | 82.3 |

WBAN : 26533

REFERENCE NOTES :

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| <p>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).</p> <p>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).</p> <p>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 (1961 - 1990). 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.</p> | <p>GENERAL CONTINUED: 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. 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.</p> <p>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.</p> |
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2001
BETTLES,
ALASKA (BTT)

Bettles Airport is located on the south side of and adjacent to the Koyukuk River. The foothills of the Endicott Mountains are found to the west, north, and east of the station. The Koyukuk River valley extends for about 20 miles to the south where it then curves to the southwest. Changes in elevation for a distance of about 15 miles on all sides of the airport are small, with a very gradual rise from south to north. The land is timbered with low spruce and birch. Bettles Airport is one of four Weather Service stations located north of the Arctic Circle.

The climate of the Bettles area is typical of a continental regime. Temperatures during the long summer days are mild, with maximums mostly in the high 60s and low 70s, and occasionally in the 80s. The sun does not set during the period June 2 to July 9. The freeze-free period averages 89 days, extending from May to late August. There is no commercial agriculture in this area. Bettles provides a center for wilderness guided and unguided tours, hunting and fishing and gold mining.

Winters are typical of interior Alaska. Minimum temperatures average below zero from November through March, and readings in the -45 to -55 degree range are experienced each winter. Here, as in most of the interior, the transition from summer to winter and vice versa is rapid, resulting in short spring and fall seasons.

Annual precipitation amounts are slightly heavier than at most interior locations, but still fall well within what is expected for a continental climate. It also follows the pattern of nearly all Alaskan stations, with precipitation amounts building up to a maximum during late summer and fall months. Snow has occurred during all months except July. The total seasonal snowfall has ranged from less than 40 inches to more than 130 inches. Because of the cold temperatures, much of the snow remains on the ground during the winter.

Surface winds are seldom strong during any season of the year, nor do they show much seasonal variation. Wind directions prevail from the north ten months of the year.

STATION LOCATION

BETTLES, ALASKA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS |
|---|---------------|-------------|---|-------------------|-------------------|---------------------|-----------------|-----------------------|--------------|-----------------|---------------|----------|------------------|------------|----|--|--|
| | | | | | | GROUND | | | | | | | | | | | |
| | | | | | | SEA LEVEL GROUND | WIND INSTRUMENT | EXTREME THERMOMETER S | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE | WINDHOLE | 8 INCH RAIN GAGE | HYGROMETER | | | |
| CAA Control Bldg. | 4/4/44 | 4/4/51 | NA | 66° 54' | 151° 43' | 848 | 30 | 5 | 5 | NA | NA | NA | 4 | NA | NA | CAA became FAA in 1959. a. Minor move 9/1/51. b. Minor Adjustment 7/28/56. c. Minor adjustment 8/5/59. d. Resurvey by USC&GS 5/18/68. Station type changed to WBAS/FSS 5/18/68; to WBO/FSS 1/23/69; to WSO/FSS 1/23/69; to WSO/FSS 8/25/70; to FSS 3/18/76. e. Minor move 7/7/82. f. Moved 17' SE 7/10/84. g. Moved 12' SE 8/8/85. | |
| CAA Control Bldg. | 4/4/51 | 11/19/99 | 5 mi. NE | 66° 55' | 151° 31' | 666 | 27 | 5 | 4 | NA | NA | NA | 3 | NA | NA | | |
| FAA Control Bldg.+ Bettles Field +FSS Building (Effective 12/3/69) | | | | | | d644 | e30 | a4 | a4 | | | | g4 | | | | |
| <u>Airport</u> Bettles Airport | 11/19/99 | Present | NA | 66° 55' | 151° 31' | h649 | | | | | | | | S | | ASOS Commissioned 11/19/99 h. Ground elevation. | |

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