

2002

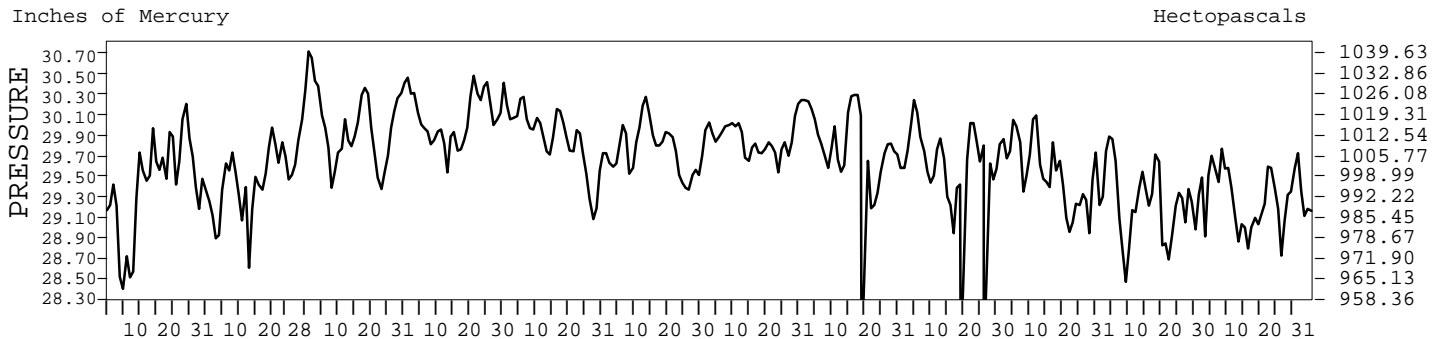
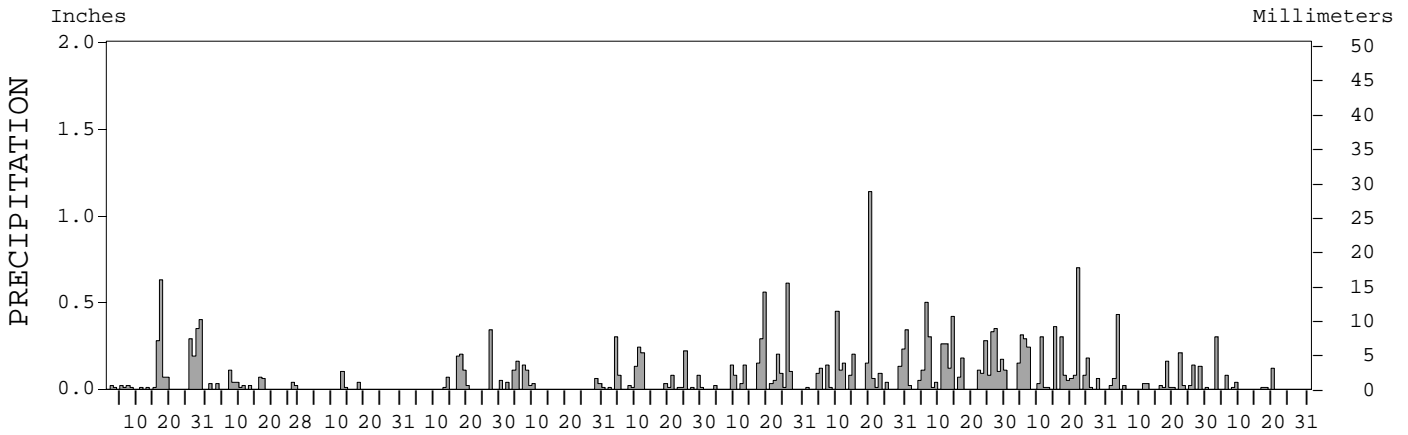
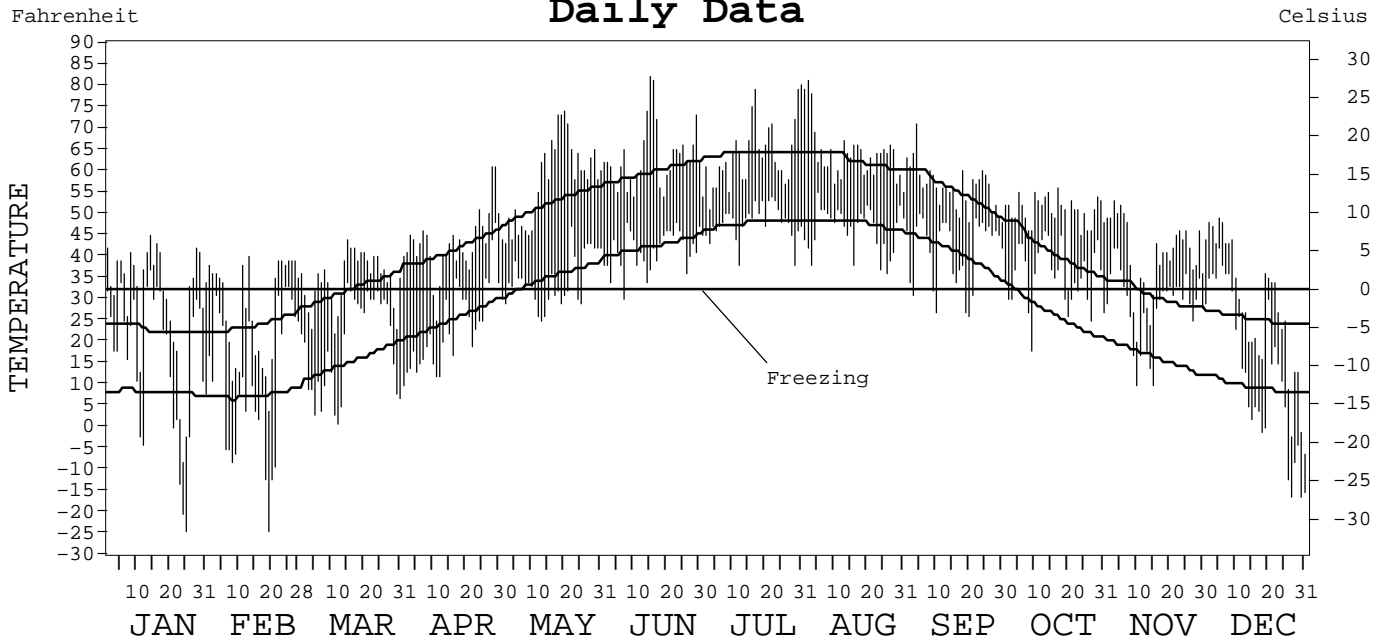
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-9787

KING SALMON,
ALASKA (AKN)

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 2002

KING SALMON, AK (AKN)

LATITUDE: 58° 41' 01" N LONGITUDE: 156° 39' 14" W ELEVATION (FT): GRND: 33 BARO: 36 TIME ZONE: ALASKA (UTC + 9) WBAN: 25503

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|--------|---------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 30.5 | 27.8 | 34.5 | 43.1 | 57.5 | 63.3 | 63.8 | 64.1 | 56.3 | 50.2 | 40.4 | 27.8 | 46.6 | |
| | HIGHEST DAILY MAXIMUM | 45 | 40 | 44 | 61 | 74 | 82 | 80 | 81 | 71 | 56 | 53 | 49 | 82 | |
| | DATE OF OCCURRENCE | 14 | 13 | 15 | 29+ | 20 | 15 | 31 | 02 | 04 | 17 | 03 | 05 | JUN 15 | |
| | MEAN DAILY MINIMUM | 16.0 | 10.8 | 19.2 | 23.6 | 34.3 | 41.4 | 47.8 | 46.3 | 41.1 | 35.4 | 28.5 | 14.0 | 29.9 | |
| | LOWEST DAILY MINIMUM | -24 | -24 | 1 | 10 | 25 | 30 | 38 | 36 | 26 | 18 | 10 | -16 | -24 | |
| | DATE OF OCCURRENCE | 25 | 19 | 12 | 01 | 13 | 07 | 29+ | 26 | 20 | 09 | 10+ | 30+ | FEB 19 | |
| | AVERAGE DRY BULB | 23.3 | 19.3 | 26.9 | 33.4 | 45.9 | 52.4 | 55.8 | 55.2 | 48.7 | 42.8 | 34.5 | 20.9 | 38.3 | |
| | MEAN WET BULB | 22.8 | 19.7 | 24.6 | 30.8 | 41.7 | 48.2 | 52.3 | | | 40.8 | 33.6 | 21.0 | | |
| | MEAN DEW POINT | 19.9 | 16.3 | 19.7 | 25.8 | 36.1 | 44.0 | 49.5 | | | 37.9 | 31.1 | 18.2 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 70° | 0 | 0 | 0 | 0 | 4 | 5 | 7 | 3 | 1 | 0 | 0 | 0 | 0 | 20 |
| | MAXIMUM ≤ 32° | 12 | 13 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 17 | 60 | |
| | MINIMUM ≤ 32° | 27 | 26 | 30 | 23 | 14 | 1 | 0 | 0 | 6 | 11 | 20 | 24 | 182 | |
| MINIMUM ≤ 0° | 7 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 23 | | |
| H/C | HEATING DEGREE DAYS | 1286 | 1274 | 1174 | 944 | 584 | 372 | 278 | 296 | 481 | 681 | 910 | 1358 | 9638 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | |
| RH | MEAN (PERCENT) | 84 | 82 | 75 | 76 | 71 | 75 | 81 | 85 | 84 | 82 | 86 | 85 | 80 | |
| | HOUR 03 LST | 84 | 85 | 81 | 87 | 89 | 91 | 92 | 96 | 92 | 88 | 87 | 87 | 88 | |
| | HOUR 09 LST | 85 | 84 | 80 | 80 | 74 | 78 | 86 | 92 | 89 | 88 | 87 | 85 | 84 | |
| | HOUR 15 LST | 83 | 77 | 64 | 61 | 53 | 58 | 69 | 69 | 72 | 70 | 81 | 84 | 70 | |
| | HOUR 21 LST | 85 | 83 | 79 | 78 | 68 | 71 | 79 | 86 | 87 | 84 | 87 | 86 | 81 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 4 | 0 | 1 | 0 | 4 | 3 | 5 | 5 | 2 | 0 | 3 | 3 | 30 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | |
| CLOUDINESS | SUNRISE-SUNSET: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| CLEAR | | | | | | | | | | | | | | | |
| PARTLY CLOUDY | | | | | | | | | | | | | | | |
| CLOUDY | | | | | | | | | | | | | | | |
| PR | MEAN STATION PRESS. (IN.) | 29.42 | 29.46 | 30.02 | 30.09 | 29.90 | 29.77 | 29.90 | | | 29.54 | 29.21 | 29.29 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.74 | 29.52 | 30.08 | 30.15 | 29.95 | 29.82 | 29.96 | | | 29.59 | 29.32 | 29.34 | | |
| WINDS | RESULTANT SPEED (MPH) | 3.0 | 4.7 | 2.4 | 2.0 | 2.2 | 3.2 | 3.5 | | | 5.3 | 6.0 | 2.8 | | |
| | RES. DIR. (TENS OF DEGS.) | 09 | 11 | 07 | 23 | 19 | 16 | 20 | | | 12 | 07 | 07 | | |
| | MEAN SPEED (MPH) | 9.4 | 10.9 | 8.7 | 10.4 | 7.9 | 7.9 | 8.2 | 6.8 | 10.2 | 10.6 | 9.6 | 6.6 | 8.9 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 10 | 10 | 10 | 17 | 10 | 10 | 22 | 19 | 16 | 10 | 09 | 01 | 10 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 35 | 40 | 33 | 37 | 30 | 33 | 30 | 24 | 37 | 47 | 39 | 33 | 47 | |
| | DIR. (TENS OF DEGS.) | 09 | 24 | 15 | 17 | 16 | 11 | 17 | 18 | 17 | 10 | 10 | 10 | 10 | |
| | DATE OF OCCURRENCE | 04 | 28 | 16 | 30 | 05 | 08 | 12 | 11 | 12 | 28 | 05 | 02 | OCT 28 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 48 | 51 | 39 | 45 | 35 | 46 | 35 | 28 | 45 | 62 | 56 | 47 | 62 | |
| DIR. (TENS OF DEGS.) | 10 | 23 | 16 | 17 | 19 | 10 | 16 | 17 | 17 | 10 | 10 | 10 | 10 | | |
| DATE OF OCCURRENCE | 04 | 28+ | 16+ | 30+ | 05 | 08 | 25 | 11+ | 12 | 28 | 05 | 02 | OCT 28 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 2.40 | 0.49 | 0.15 | 0.99 | 0.71 | 1.46 | 2.50 | 3.55 | 3.96 | 3.30 | 1.33 | 0.57 | 21.41 | |
| | GREATEST 24-HOUR (IN.) | 0.63 | 0.13 | 0.10 | 0.36 | 0.18 | 0.40 | 0.78 | 1.14 | 0.50 | 0.72 | 0.43 | 0.30 | 1.14 | |
| | DATE OF OCCURRENCE | 17 | 16-17 | 13 | 17-18 | 04-05 | 11-12 | 18-19 | 20 | 06 | 21-22 | 03 | 03 | AUG 20 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 17 | 12 | 3 | 8 | 10 | 17 | 15 | 19 | 22 | 19 | 17 | 7 | 166 | |
| PRECIPITATION ≥ 0.10 | 6 | 1 | 1 | 4 | 4 | 5 | 8 | 11 | 15 | 9 | 5 | 2 | 71 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 22.2 | 17.8 | 2.3 | 1.2 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 5.1 | 49.3 | |
| | GREATEST 24-HOUR (IN.) | 4.6 | 4.1 | 1.5 | 0.7 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 2.5 | 4.6 | |
| | DATE OF OCCURRENCE | 29 | 11 | 13 | 13 | 10+ | 02 | 0 | 0 | 0 | 0 | 18 | 20 | JAN 29 | |
| | MAXIMUM SNOW DEPTH (IN.) | 7 | 11 | 1 | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | |
| | DATE OF OCCURRENCE | 28 | 12+ | 15+ | 03+ | | | | | | | 31+ | | FEB 12+ | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 | | |

NORMALS, MEANS, AND EXTREMES

KING SALMON, AK (AKN)

LATITUDE: 58° 41' 01" N LONGITUDE: 156° 39' 14" W ELEVATION (FT): GRND: 33 BARO: 36 TIME ZONE: ALASKA (UTC + 9) WBAN: 25503

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 22.8 | 23.8 | 32.0 | 41.3 | 52.1 | 59.5 | 63.8 | 62.2 | 54.9 | 40.5 | 30.5 | 25.1 | 42.4 |
| | MEAN DAILY MAXIMUM | 53 | 22.1 | 23.6 | 30.7 | 40.4 | 51.7 | 59.6 | 63.3 | 61.6 | 54.8 | 40.5 | 30.4 | 22.4 | 41.8 |
| | HIGHEST DAILY MAXIMUM | 60 | 53 | 57 | 56 | 65 | 80 | 88 | 86 | 84 | 74 | 67 | 56 | 49 | 88 |
| | YEAR OF OCCURRENCE | | 1963 | 1991 | 1943 | 1948 | 1997 | 1953 | 1951 | 1968 | 1974 | 1954 | 1986 | 2002 | JUN 1953 |
| | MEAN OF EXTREME MAXS. | 53 | 41.7 | 42.5 | 45.0 | 52.8 | 65.3 | 73.0 | 77.5 | 73.9 | 64.6 | 54.2 | 45.9 | 42.0 | 56.5 |
| | NORMAL DAILY MINIMUM | 30 | 8.0 | 7.4 | 15.1 | 24.9 | 34.8 | 42.2 | 47.5 | 47.4 | 40.3 | 26.0 | 15.9 | 9.3 | 26.6 |
| | MEAN DAILY MINIMUM | 53 | 7.2 | 7.2 | 14.2 | 24.2 | 33.9 | 41.6 | 46.7 | 46.7 | 39.8 | 25.5 | 15.9 | 6.7 | 25.8 |
| | LOWEST DAILY MINIMUM | 60 | -48 | -41 | -42 | -15 | 4 | 29 | 33 | 25 | 15 | -12 | -28 | -38 | -48 |
| | YEAR OF OCCURRENCE | | 1989 | 1993 | 1971 | 1985 | 1945 | 1999 | 1993 | 1984 | 1983 | 1988 | 2001 | JAN 1989 | |
| | MEAN OF EXTREME MINS. | 53 | -23.8 | -21.4 | -11.5 | 6.0 | 24.2 | 32.9 | 38.3 | 35.9 | 25.5 | 6.2 | -8.5 | -20.8 | 6.9 |
| | NORMAL DRY BULB | 30 | 14.9 | 14.8 | 22.4 | 31.2 | 42.4 | 50.0 | 54.7 | 53.9 | 47.2 | 32.4 | 22.3 | 15.9 | 33.5 |
| | MEAN DRY BULB | 53 | 14.6 | 15.5 | 22.4 | 32.3 | 43.0 | 50.5 | 55.0 | 54.2 | 47.3 | 32.9 | 23.2 | 14.6 | 33.8 |
| | MEAN WET BULB | 16 | 17.9 | 16.7 | 23.4 | 30.9 | 39.6 | 46.9 | 51.6 | 51.2 | 42.4 | 31.1 | 22.6 | 19.4 | 32.8 |
| | MEAN DEW POINT | 16 | 14.5 | 12.4 | 17.5 | 24.5 | 32.1 | 42.2 | 48.6 | 48.3 | 39.3 | 27.9 | 20.0 | 16.7 | 28.7 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 70° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 2.1 | 5.7 | 3.7 | 0.2 | 0.0 | 0.0 | 0.0 | 12.4 | |
| MAXIMUM ≤ 32° | 30 | 18.4 | 16.4 | 13.2 | 5.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | 15.2 | 17.8 | 93.7 | |
| MINIMUM ≤ 32° | 30 | 27.9 | 25.6 | 27.5 | 25.4 | 11.7 | 0.4 | 0.0 | 0.3 | 5.1 | 21.7 | 25.7 | 27.8 | 199.1 | |
| MINIMUM ≤ 0° | 30 | 11.3 | 11.7 | 6.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 5.6 | 11.4 | 48.7 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1538 | 1384 | 1286 | 957 | 667 | 425 | 290 | 317 | 521 | 984 | 1254 | 1481 | 11104 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RH | NORMAL (PERCENT) | 30 | 76 | 73 | 73 | 72 | 70 | 74 | 78 | 80 | 79 | 79 | 81 | 77 | 76 |
| | HOUR 03 LST | 30 | 76 | 75 | 78 | 80 | 83 | 86 | 89 | 89 | 87 | 84 | 82 | 77 | 82 |
| | HOUR 09 LST | 30 | 76 | 75 | 77 | 76 | 74 | 78 | 83 | 86 | 86 | 85 | 82 | 77 | 80 |
| | HOUR 15 LST | 30 | 74 | 68 | 65 | 61 | 56 | 59 | 64 | 66 | 65 | 69 | 77 | 76 | 67 |
| | HOUR 21 LST | 30 | 76 | 74 | 74 | 72 | 68 | 70 | 74 | 78 | 80 | 80 | 82 | 77 | 75 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 47 | 2.2 | 1.5 | 1.6 | 1.8 | 2.4 | 3.1 | 4.4 | 4.0 | 2.6 | 2.3 | 3.0 | 2.6 | 31.5 |
| | THUNDERSTORMS | 47 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.5 | 0.2 | 0.1 | 0.0 | 0.1 | 0.0 | 1.5 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 41 | 5.4 | 5.3 | 5.4 | 6.1 | 6.5 | 6.8 | 6.7 | 6.7 | 6.5 | 5.9 | 5.7 | 5.5 | 6.0 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 33 | 5.0 | 4.7 | 5.0 | 5.7 | 6.2 | 6.7 | 6.7 | 6.6 | 6.2 | 5.4 | 5.5 | 5.3 | 5.8 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | 43 | 7.6 | 7.3 | 7.4 | 3.9 | 2.5 | 1.1 | 1.1 | 1.1 | 1.7 | 4.4 | 5.9 | 6.3 | 50.3 |
| PARTLY CLOUDY | 43 | 5.3 | 5.2 | 5.8 | 6.7 | 6.1 | 5.4 | 5.1 | 5.4 | 6.0 | 7.1 | 5.2 | 5.6 | 68.9 | |
| CLOUDY | 43 | 18.1 | 15.8 | 17.8 | 19.5 | 22.3 | 23.5 | 24.9 | 24.5 | 22.3 | 19.5 | 18.4 | 18.5 | 245.1 | |
| PR | MEAN STATION PRESSURE (IN) | 30 | 29.50 | 29.57 | 29.60 | 29.70 | 29.72 | 29.80 | 29.90 | 29.81 | 29.69 | 29.61 | 29.49 | 29.50 | 29.66 |
| | MEAN SEA-LEVEL PRES. (IN) | 19 | 29.57 | 29.69 | 29.70 | 29.74 | 29.82 | 29.86 | 29.95 | 29.90 | 29.72 | 29.65 | 29.59 | 29.53 | 29.73 |
| WINDS | MEAN SPEED (MPH) | 46 | 10.5 | 11.0 | 11.3 | 10.9 | 11.0 | 10.4 | 10.0 | 10.2 | 10.7 | 10.5 | 10.6 | 10.3 | 10.6 |
| | PREVAIL. DIR (TENS OF DEGS) | 6 | 01 | 09 | 09 | 09 | 20 | 21 | 20 | 20 | 16 | 36 | 01 | 01 | 36 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 4 | 53 | 67 | 36 | 46 | 34 | 33 | 30 | 37 | 38 | 47 | 39 | 41 | 67 |
| | DIR. (TENS OF DEGS) | | 16 | 15 | 09 | 15 | 09 | 11 | 17 | 16 | 10 | 10 | 10 | 15 | 15 |
| | YEAR OF OCCURRENCE | | 2000 | 2000 | 2000 | 2001 | 1999 | 2002 | 2002 | 2000 | 1999 | 2002 | 2002 | 2000 | FEB 2000 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 4 | 62 | 76 | 47 | 55 | 46 | 46 | 35 | 44 | 48 | 62 | 56 | 59 | 76 | |
| DIR. (TENS OF DEGS) | | 16 | 15 | 09 | 15 | 10 | 10 | 16 | 17 | 10 | 10 | 10 | 10 | 15 | |
| YEAR OF OCCURRENCE | | 1999 | 2000 | 2000 | 2001 | 1999 | 2002 | 2002 | 2000 | 1999 | 2002 | 2002 | 2000 | FEB 2000 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.03 | 0.72 | 0.79 | 0.94 | 1.35 | 1.70 | 2.15 | 2.89 | 2.81 | 2.10 | 1.54 | 1.39 | 19.41 |
| | MAXIMUM MONTHLY (IN) | 60 | 3.02 | 3.00 | 2.41 | 2.99 | 3.05 | 3.78 | 5.08 | 6.44 | 7.30 | 6.35 | 3.35 | 3.65 | 7.30 |
| | YEAR OF OCCURRENCE | | 1957 | 1943 | 1967 | 1963 | 1998 | 1950 | 1990 | 1953 | 1961 | 1946 | 1985 | 1978 | SEP 1961 |
| | MINIMUM MONTHLY (IN) | 60 | 0.16 | 0.11 | 0.04 | T | 0.11 | 0.00 | 0.32 | 1.05 | 0.89 | 0.03 | T | 0.12 | 0.00 |
| | YEAR OF OCCURRENCE | | 1959 | 1973 | 1960 | 1948 | 1948 | 1948 | 1951 | 1975 | 1984 | 1997 | 1963 | 1958 | JUN 1948 |
| | MAXIMUM IN 24 HOURS (IN) | 60 | 1.08 | 1.29 | 1.03 | 1.41 | 0.98 | 0.92 | 1.28 | 2.00 | 1.69 | 1.77 | 1.56 | 1.17 | 2.00 |
| | YEAR OF OCCURRENCE | | 1987 | 1969 | 1953 | 1963 | 1977 | 1994 | 1986 | 1963 | 1960 | 1977 | 1985 | 1978 | AUG 1963 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 30 | 11.2 | 9.5 | 11.1 | 11.4 | 12.8 | 14.1 | 14.3 | 16.7 | 16.5 | 13.5 | 11.8 | 12.2 | 155.1 |
| PRECIPITATION ≥ 1.00 | 30 | * | * | 0.0 | * | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | * | * | * | 0.4 | |
| SNOWFALL | NORMAL (IN) | 30 | 10.0 | 5.6 | 6.4 | 4.2 | 0.8 | 0.* | 0.0 | 0.0 | 0.* | 3.0 | 6.5 | 9.7 | 46.2 |
| | MAXIMUM MONTHLY (IN) | 53 | 30.6 | 20.3 | 20.0 | 16.0 | 6.1 | 1.3 | 0.0 | T | 0.6 | 15.7 | 17.9 | 28.4 | 30.6 |
| | YEAR OF OCCURRENCE | | 1993 | 1990 | 1977 | 1968 | 1985 | 1972 | | 1998 | 1956 | 1990 | 1994 | 1993 | JAN 1993 |
| | MAXIMUM IN 24 HOURS (IN) | 53 | 18.6 | 9.3 | 11.0 | 7.2 | 3.8 | 1.2 | 0.0 | T | 0.6 | 8.7 | 8.6 | 8.5 | 18.6 |
| | YEAR OF OCCURRENCE | | 1993 | 1962 | 1981 | 1999 | 1985 | 1972 | | 1998 | 1956 | 1990 | 1948 | 1990 | JAN 1993 |
| | MAXIMUM SNOW DEPTH (IN) | 52 | 20 | 19 | 23 | 13 | 3 | 0 | 0 | 0 | 1 | 10 | 12 | 17 | 23 |
| | YEAR OF OCCURRENCE | | 2000 | 1956 | 1954 | 1966 | 1985 | | | | 1981 | 1961 | 1961 | 1999 | MAR 1954 |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 3.1 | 1.8 | 2.4 | 1.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.3 | 2.8 | 15.3 | |

PRECIPITATION (inches) 2002 KING SALMON, AK (AKN)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1973 | 0.62 | 0.11 | 1.25 | 0.43 | 1.83 | 1.48 | 2.43 | 3.80 | 1.41 | 1.52 | 0.97 | 1.10 | 16.95 |
| 1974 | 0.86 | 0.55 | 1.27 | 1.18 | 0.57 | 2.40 | 2.01 | 3.19 | 1.56 | 2.90 | 1.20 | 1.23 | 18.92 |
| 1975 | 2.14 | 0.76 | 0.93 | 2.65 | 0.86 | 2.69 | 0.74 | 1.05 | 3.90 | 2.10 | 0.46 | 1.38 | 19.66 |
| 1976 | 1.24 | 0.97 | 0.78 | 0.58 | 1.47 | 1.34 | 2.60 | 1.71 | 2.64 | 0.81 | 2.06 | 1.77 | 17.97 |
| 1977 | 0.85 | 1.35 | 1.99 | 1.68 | 1.72 | 0.99 | 1.60 | 3.16 | 2.58 | 3.29 | 0.58 | 1.04 | 20.83 |
| 1978 | 0.70 | 0.28 | 0.26 | 0.58 | 0.98 | 2.81 | 1.66 | 2.03 | 1.87 | 2.84 | 1.77 | 3.65 | 19.43 |
| 1979 | 1.00 | 0.29 | 0.39 | 1.20 | 0.46 | 1.80 | 2.24 | 2.50 | 0.91 | 2.71 | 2.89 | 1.09 | 17.48 |
| 1980 | 1.46 | 0.83 | 1.51 | 0.42 | 1.61 | 2.19 | 2.97 | 2.36 | 2.00 | 2.46 | 1.19 | 0.49 | 19.49 |
| 1981 | 1.76 | 2.26 | 1.83 | 0.49 | 0.73 | 2.27 | 2.17 | 3.93 | 1.82 | 1.59 | 1.31 | 0.59 | 20.75 |
| 1982 | 1.48 | 0.15 | 1.37 | 1.20 | 1.55 | 3.04 | 1.98 | 1.99 | 5.14 | 1.41 | 0.83 | 1.37 | 21.51 |
| 1983 | 0.42 | 0.25 | 0.22 | 2.22 | 1.37 | 1.20 | 1.53 | 2.33 | 2.36 | 2.82 | 0.98 | 0.48 | 16.18 |
| 1984 | 1.17 | 0.55 | 0.44 | 0.43 | 1.08 | 1.59 | 1.30 | 2.41 | 0.89 | 0.57 | 1.00 | 1.79 | 13.22 |
| 1985 | 0.95 | 0.73 | 1.27 | 0.34 | 1.16 | 1.23 | 1.31 | 3.24 | 2.64 | 2.29 | 3.35 | 1.58 | 20.09 |
| 1986 | 1.33 | 0.19 | 0.24 | 0.98 | 1.01 | 0.93 | 2.44 | 3.22 | 4.03 | 2.50 | 1.91 | 0.65 | 19.43 |
| 1987 | 2.38 | 0.54 | 0.55 | 0.81 | 1.74 | 1.49 | 1.94 | 2.73 | 2.99 | 2.47 | 2.75 | 1.07 | 21.46 |
| 1988 | 0.56 | 0.75 | 0.74 | 1.02 | 2.95 | 1.11 | 2.73 | 2.88 | 2.17 | 1.68 | 1.52 | 1.60 | 19.71 |
| 1989 | 0.84 | 0.93 | 0.19 | 0.99 | 2.32 | 1.10 | 3.04 | 3.15 | 5.90 | 2.86 | 1.58 | 1.31 | 24.21 |
| 1990 | 1.44 | 1.61 | 1.71 | 0.89 | 1.52 | 1.22 | 5.08 | 2.02 | 2.75 | 2.38 | 2.10 | 3.26 | 25.98 |
| 1991 | 0.55 | 0.58 | 1.56 | 0.86 | 1.24 | 1.63 | 1.02 | 1.79 | 2.10 | 1.99 | 1.34 | 1.26 | 15.92 |
| 1992 | 0.79 | 0.92 | 1.40 | 0.19 | 0.74 | 2.53 | 3.02 | 4.73 | 1.35 | 1.11 | 1.45 | 1.77 | 20.00 |
| 1993 | 1.48 | 0.35 | 0.26 | 0.50 | 0.70 | 0.50 | 1.01 | 3.21 | 4.53 | 1.98 | 3.00 | 2.15 | 19.67 |
| 1994 | 1.35 | 1.22 | 0.91 | 1.35 | 1.74 | 1.71 | 3.77 | 3.17 | 3.46 | 2.41 | 2.98 | 2.28 | 26.35 |
| 1995 | 0.35 | 0.49 | 0.17 | 1.51 | 1.44 | 0.81 | 2.27 | 4.73 | 2.74 | 1.46 | 0.13 | 0.14 | 16.24 |
| 1996 | 0.70 | 0.75 | 0.38 | 0.87 | 0.84 | 2.41 | 1.27 | 2.61 | 2.60 | 1.06 | 0.62 | 0.64 | 14.75 |
| 1997 | 0.25 | 0.72 | 0.13 | 0.38 | 0.67 | 1.14 | 1.07 | 3.65 | 3.52 | 0.03 | 1.63 | 0.75 | 13.94 |
| 1998 | 0.95 | 0.34 | 0.75 | 0.98 | 3.05 | 2.22 | 1.90 | 3.59 | 3.28 | 3.96 | 1.62 | 0.83 | 23.47 |
| 1999 | 0.48 | 0.50 | 0.35 | 0.63 | 1.18 | 2.01 | 1.91 | 3.07 | 3.46 | 2.22 | 0.31 | 1.63 | 17.75 |
| 2000 | 0.95 | 0.73 | 0.32 | 0.63 | 1.18 | 1.99 | 3.11 | 2.28 | 3.30 | 2.13 | 2.20 | 0.69 | 19.51 |
| 2001 | 0.85 | 1.88 | 0.58 | 1.35 | 0.63 | 0.21 | 3.51 | 2.37 | 1.64 | 3.61 | 0.14 | 0.80 | 17.57 |
| 2002 | 2.40 | 0.49 | 0.15 | 0.99 | 0.71 | 1.46 | 2.50 | 3.55 | 3.96 | 3.30 | 1.33 | 0.57 | 21.41 |
| POR= 60 YRS | 1.05 | 0.87 | 0.98 | 0.94 | 1.22 | 1.53 | 2.12 | 3.10 | 2.84 | 2.04 | 1.45 | 1.16 | 19.30 |

WBAN : 25503

AVERAGE TEMPERATURE (°F) 2002 KING SALMON, AK (AKN)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1973 | 1.8 | 19.5 | 19.3 | 35.9 | 42.9 | 51.4 | 55.6 | 54.6 | 47.2 | 34.1 | 24.7 | 17.9 | 33.7 |
| 1974 | 9.5 | 0.4 | 23.2 | 35.6 | 45.5 | 51.2 | 55.4 | 57.0 | 50.6 | 33.4 | 20.1 | 8.0 | 32.5 |
| 1975 | 4.7 | 3.9 | 14.5 | 25.0 | 39.4 | 47.1 | 54.7 | 53.6 | 47.1 | 32.4 | 12.7 | 10.2 | 28.8 |
| 1976 | 12.3 | 7.3 | 15.3 | 29.5 | 39.5 | 46.9 | 53.2 | 53.1 | 45.3 | 31.5 | 24.2 | 19.3 | 31.5 |
| 1977 | 34.4 | 30.1 | 18.8 | 25.7 | 39.5 | 50.5 | 54.3 | 56.8 | 47.0 | 31.7 | 14.1 | 10.6 | 34.5 |
| 1978 | 28.6 | 24.8 | 25.6 | 37.5 | 45.2 | 49.5 | 54.2 | 57.1 | 47.7 | 36.5 | 30.0 | 28.0 | 38.7 |
| 1979 | 30.1 | 6.2 | 30.3 | 39.6 | 47.3 | 52.0 | 57.8 | 56.0 | 50.0 | 39.4 | 29.4 | 4.5 | 36.9 |
| 1980 | 9.0 | 20.7 | 27.6 | 36.4 | 41.7 | 48.9 | 55.1 | 51.1 | 47.0 | 35.2 | 26.3 | 5.3 | 33.7 |
| 1981 | 29.8 | 21.9 | 34.4 | 35.8 | 46.8 | 50.3 | 55.1 | 54.8 | 44.9 | 33.2 | 23.4 | 13.3 | 37.0 |
| 1982 | 17.0 | 12.8 | 23.9 | 25.5 | 40.3 | 48.9 | 51.5 | 52.3 | 46.2 | 28.1 | 26.1 | 24.0 | 33.1 |
| 1983 | 11.9 | 18.7 | 33.2 | 36.5 | 46.6 | 53.8 | 57.4 | 54.1 | 45.5 | 28.8 | 30.1 | 27.2 | 37.0 |
| 1984 | 17.4 | -2.1 | 36.3 | 29.2 | 43.0 | 52.3 | 53.7 | 53.5 | 48.0 | 30.1 | 22.5 | 24.7 | 34.1 |
| 1985 | 32.6 | 10.6 | 22.6 | 20.8 | 39.9 | 47.4 | 54.3 | 52.4 | 47.4 | 26.7 | 25.1 | 34.2 | 34.5 |
| 1986 | 16.9 | 22.1 | 21.5 | 28.1 | 42.1 | 49.9 | 53.7 | 52.2 | 48.8 | 36.1 | 26.3 | 30.6 | 35.7 |
| 1987 | 21.1 | 24.3 | 29.8 | 32.3 | 42.8 | 49.3 | 55.9 | 57.0 | 45.4 | 37.5 | 16.5 | 9.4 | 35.1 |
| 1988 | 25.6 | 26.6 | 24.8 | 31.1 | 44.5 | 52.8 | 56.8 | 53.5 | 45.8 | 30.9 | 13.9 | 20.8 | 35.6 |
| 1989 | -2.9 | 28.8 | 23.6 | 36.1 | 42.0 | 51.6 | 56.3 | 57.1 | 51.7 | 36.7 | 18.1 | 19.5 | 34.9 |
| 1990 | 16.8 | -1.8 | 25.4 | 39.3 | 45.8 | 51.4 | 56.0 | 55.9 | 47.5 | 31.5 | 17.3 | 20.4 | 33.8 |
| 1991 | 17.5 | 14.2 | 25.7 | 36.4 | 44.5 | 50.4 | 55.2 | 53.7 | 50.7 | 37.2 | 23.1 | 15.1 | 35.3 |
| 1992 | 17.7 | 3.1 | 22.0 | 32.4 | 42.7 | 52.6 | 55.6 | 53.9 | 41.0 | 31.7 | 23.5 | 19.2 | 33.0 |
| 1993 | 15.0 | 22.7 | 31.1 | 41.0 | 48.3 | 53.1 | 57.9 | 56.0 | 48.6 | 38.1 | 29.6 | 24.6 | 38.8 |
| 1994 | 21.2 | 14.3 | 19.5 | 36.0 | 45.4 | 51.7 | 55.7 | 55.9 | 48.6 | 29.9 | 19.3 | 14.3 | 34.3 |
| 1995 | 19.5 | 23.1 | 17.4 | 40.3 | 46.4 | 53.2 | 57.3 | 54.8 | 52.5 | 35.1 | 18.4 | 25.0 | 36.9 |
| 1996 | 15.2 | 14.0 | 33.1 | 34.9 | 46.5 | 52.0 | 55.3 | 52.9 | 43.6 | 29.4 | 25.6 | 6.3 | 34.1 |
| 1997 | 12.8 | 30.3 | 20.8 | 37.7 | 47.8 | 54.0 | 59.8 | 57.4 | 50.4 | 27.6 | 26.4 | 7.8 | 36.1 |
| 1998 | 12.7 | 22.1 | 33.1 | 36.9 | 42.3 | 51.7 | 56.1 | 51.7 | 47.2 | 35.1 | 28.4 | 9.6 | 35.6 |
| 1999 | 11.0 | 4.4 | 14.0 | 31.8 | 40.1 | 51.0 | 54.5 | 53.9 | 47.6 | 28.4 | 18.7 | 1.6 | 29.8 |
| 2000 | 4.2 | 30.3 | 30.4 | 34.9 | 42.5 | 50.6 | 54.2 | 54.2 | 45.9 | 34.7 | 32.8 | 33.9 | 37.4 |
| 2001 | 25.2 | 28.5 | 25.5 | 35.8 | 40.5 | 53.0 | 54.5 | 55.6 | 48.5 | 27.7 | 19.0 | 7.6 | 35.1 |
| 2002 | 23.3 | 19.3 | 26.9 | 33.4 | 45.9 | 52.4 | 55.8 | 55.2 | 48.7 | 42.8 | 34.5 | 20.9 | 38.3 |
| POR= 60 YRS | 14.4 | 15.9 | 22.0 | 32.1 | 43.0 | 50.6 | 54.9 | 54.2 | 47.2 | 33.2 | 22.8 | 14.3 | 33.7 |

WBAN : 25503

HEATING DEGREE DAYS (base 65°F) 2002 KING SALMON, AK (AKN)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1973-74 | 284 | 318 | 529 | 953 | 1204 | 1452 | 1719 | 1812 | 1292 | 875 | 595 | 409 | 11442 |
| 1974-75 | 288 | 245 | 427 | 971 | 1339 | 1765 | 1869 | 1710 | 1560 | 1192 | 785 | 529 | 12680 |
| 1975-76 | 311 | 347 | 526 | 1004 | 1568 | 1699 | 1629 | 1673 | 1533 | 1059 | 784 | 536 | 12669 |
| 1976-77 | 359 | 362 | 585 | 1032 | 1218 | 1413 | 941 | 969 | 1427 | 1173 | 783 | 431 | 10693 |
| 1977-78 | 325 | 246 | 531 | 1025 | 1524 | 1687 | 1123 | 1121 | 1214 | 820 | 605 | 458 | 10679 |
| 1978-79 | 326 | 237 | 514 | 876 | 1042 | 1141 | 1076 | 1648 | 1069 | 754 | 544 | 380 | 9607 |
| 1979-80 | 214 | 274 | 441 | 788 | 1063 | 1872 | 1733 | 1276 | 1157 | 852 | 716 | 479 | 10865 |
| 1980-81 | 301 | 424 | 533 | 917 | 1155 | 1849 | 1086 | 1206 | 940 | 869 | 559 | 435 | 10274 |
| 1981-82 | 298 | 311 | 595 | 981 | 1242 | 1603 | 1483 | 1461 | 1263 | 1180 | 760 | 475 | 11652 |
| 1982-83 | 412 | 386 | 557 | 1134 | 1162 | 1266 | 1644 | 1293 | 981 | 848 | 566 | 328 | 10577 |
| 1983-84 | 229 | 333 | 578 | 1117 | 1045 | 1165 | 1472 | 1948 | 880 | 1067 | 680 | 374 | 10888 |
| 1984-85 | 345 | 350 | 504 | 1075 | 1270 | 1246 | 996 | 1520 | 1308 | 1318 | 770 | 523 | 11225 |
| 1985-86 | 322 | 384 | 521 | 1182 | 1189 | 946 | 1485 | 1199 | 1343 | 1101 | 701 | 443 | 10816 |
| 1986-87 | 344 | 388 | 483 | 892 | 1156 | 1058 | 1353 | 1133 | 1087 | 973 | 681 | 467 | 10015 |
| 1987-88 | 273 | 241 | 580 | 846 | 1451 | 1722 | 1214 | 1106 | 1239 | 1008 | 627 | 363 | 10670 |
| 1988-89 | 246 | 350 | 571 | 1049 | 1531 | 1365 | 2104 | 1008 | 1278 | 860 | 707 | 398 | 11467 |
| 1989-90 | 264 | 239 | 392 | 871 | 1403 | 1405 | 1492 | 1870 | 1220 | 766 | 590 | 402 | 10914 |
| 1990-91 | 270 | 274 | 519 | 1030 | 1426 | 1379 | 1469 | 1423 | 1208 | 852 | 629 | 432 | 10911 |
| 1991-92 | 295 | 341 | 420 | 856 | 1247 | 1538 | 1460 | 1794 | 1330 | 973 | 687 | 367 | 11308 |
| 1992-93 | 282 | 335 | 712 | 1026 | 1238 | 1414 | 1552 | 1183 | 1046 | 715 | 511 | 349 | 10363 |
| 1993-94 | 216 | 276 | 487 | 826 | 1054 | 1247 | 1352 | 1416 | 1405 | 861 | 598 | 391 | 10129 |
| 1994-95 | 285 | 277 | 486 | 1083 | 1369 | 1571 | 1404 | 1169 | 1469 | 732 | 570 | 348 | 10763 |
| 1995-96 | 231 | 308 | 370 | 919 | 1386 | 1232 | 1538 | 1478 | 981 | 895 | 566 | 385 | 10289 |
| 1996-97 | 294 | 370 | 637 | 1095 | 1175 | 1811 | 1612 | 965 | 1363 | 813 | 524 | 322 | 10981 |
| 1997-98 | 157 | 230 | 428 | 1152 | 1153 | 1766 | 1617 | 1196 | 981 | 834 | 695 | 393 | 10602 |
| 1998-99 | 272 | 408 | 530 | 919 | 1092 | 1711 | 1667 | 1692 | 1572 | 988 | 765 | 415 | 12031 |
| 1999-00 | 320 | 337 | 517 | 1127 | 1383 | 1956 | 1876 | 1000 | 1068 | 894 | 692 | 425 | 11595 |
| 2000-01 | 326 | 328 | 568 | 934 | 959 | 954 | 1228 | 1018 | 1218 | 868 | 751 | 351 | 9503 |
| 2001-02 | 316 | 283 | 487 | 1149 | 1375 | 1774 | 1286 | 1274 | 1174 | 944 | 584 | 372 | 11018 |
| 2002- | 278 | 296 | 481 | 681 | 910 | 1358 | | | | | | | |

WBAN : 25503

COOLING DEGREE DAYS (base 65°F) 2002 KING SALMON, AK (AKN)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| 1974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 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 | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

SNOWFALL (inches) 2002 KING SALMON, AK (AKN)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1973-74 | 0.0 | 0.0 | T | 2.0 | 2.1 | 12.7 | 11.9 | 5.3 | 4.6 | 5.1 | T | 0.0 | 43.7 |
| 1974-75 | 0.0 | 0.0 | 0.0 | T | 4.3 | 10.9 | 19.1 | 6.3 | 8.7 | 14.3 | 2.9 | 0.0 | 66.5 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.8 | 3.9 | 13.9 | 12.0 | 3.2 | 6.7 | 6.2 | 3.2 | 0.0 | 49.9 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 2.0 | 10.9 | 11.0 | 2.1 | 11.9 | 20.0 | 4.6 | T | 0.0 | 62.5 |
| 1977-78 | 0.0 | 0.0 | T | 4.3 | 5.3 | 4.5 | 3.9 | 3.7 | 2.2 | 0.6 | T | 0.0 | 24.5 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 1.0 | 2.2 | 14.1 | 4.4 | 0.2 | 1.1 | T | T | 0.0 | 23.0 |
| 1979-80 | 0.0 | 0.0 | 0.0 | T | 8.5 | 9.7 | 11.5 | 11.1 | 9.0 | T | 0.8 | 0.0 | 50.6 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.3 | 6.1 | 6.8 | 10.5 | 11.3 | 15.8 | 0.6 | T | T | 51.4 |
| 1981-82 | 0.0 | 0.0 | 0.5 | 0.3 | 4.8 | 5.9 | 5.7 | T | 8.3 | 8.3 | T | 0.0 | 33.8 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 2.8 | 2.0 | 2.9 | 4.0 | 2.0 | T | 6.0 | 0.1 | 0.0 | 19.8 |
| 1983-84 | 0.0 | 0.0 | T | 9.9 | 2.3 | 2.8 | 8.4 | 5.5 | T | 4.0 | 0.3 | 0.0 | 33.2 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 3.4 | 7.3 | 3.8 | 3.7 | 6.4 | 8.9 | 3.4 | 6.1 | 0.0 | 43.0 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 2.5 | 9.3 | 3.6 | 13.5 | 1.8 | 2.5 | 9.8 | 1.3 | 0.0 | 44.3 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 2.3 | 2.5 | 4.8 | 24.7 | 2.7 | 2.7 | 9.4 | T | 0.0 | 49.1 |
| 1987-88 | 0.0 | 0.0 | T | 0.1 | 13.2 | 8.9 | 3.3 | 10.1 | 9.4 | 4.4 | 1.2 | 0.0 | 50.6 |
| 1988-89 | 0.0 | 0.0 | T | 3.4 | 12.7 | 9.2 | 14.9 | 3.7 | 5.1 | 1.5 | 2.1 | 0.0 | 52.6 |
| 1989-90 | 0.0 | 0.0 | T | 0.4 | 12.3 | 12.4 | 14.9 | 20.3 | 13.5 | 3.4 | 0.2 | 0.0 | 77.4 |
| 1990-91 | 0.0 | 0.0 | T | 15.7 | 6.7 | 18.9 | 3.1 | 4.3 | 14.0 | 2.8 | 0.0 | 0.0 | 65.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 9.0 | 9.4 | 7.2 | 8.6 | 8.7 | 0.5 | T | T | 43.4 |
| 1992-93 | 0.0 | 0.0 | T | 0.9 | 7.9 | 8.0 | 30.6 | 5.5 | 5.2 | 1.8 | T | T | 59.9 |
| 1993-94 | 0.0 | 0.0 | T | 2.0 | 5.1 | 28.4 | 11.0 | 3.2 | 7.7 | 5.6 | 0.2 | T | 63.2 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 8.4 | 17.9 | 16.0 | 5.9 | 2.0 | 2.0 | 0.4 | T | T | 52.6 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 2.1 | 2.4 | 1.5 | 2.9 | 7.3 | 1.7 | 5.7 | 1.9 | 0.3 | 25.8 |
| 1996-97 | 0.0 | 0.0 | 0.3 | 2.6 | 0.1 | 8.5 | 3.7 | 5.2 | 2.3 | T | T | 0.0 | 22.7 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.6 | 10.4 | 13.1 | 17.3 | 1.9 | 4.4 | 2.2 | 0.6 | 0.0 | 50.5 |
| 1998-99 | 0.0 | T | T | 11.3 | 5.1 | 3.4 | 8.0 | 12.2 | 2.5 | 11.7 | 0.4 | T | 54.6 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 3.2 | 4.1 | 24.9 | 14.2 | 4.4 | 3.7 | 1.0 | 0.4 | 0.0 | 55.9 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.3 | 4.9 | 0.6 | 6.5 | 7.3 | 4.5 | 7.9 | 2.6 | 0.0 | 34.6 |
| 2001-02 | 0.0 | 0.0 | 0.0 | 1.9 | 2.2 | 14.4 | 22.2 | 17.8 | 2.3 | 1.2 | T | T | 62.0 |
| 2002- | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 5.1 | | | | | | | |
| POR= 52 YRS | 0.0 | 0.0 | 0.0 | 3.0 | 6.3 | 9.1 | 8.5 | 6.7 | 6.5 | 4.4 | 0.9 | 0.0 | 45.4 |

WBAN : 25503

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> |
|---|--|

2002
KING SALMON,
ALASKA (AKN)

King Salmon is located in that area of southwestern Alaska which joins the Alaskan Peninsula and the Alaskan mainland. It is located about 1/4 mile from the Naknek River and lies 18 miles inland from the shores of Kvichak Bay, an arm of the much larger Bristol Bay. The terrain surrounding the station for a radius of 30 to 60 miles to the north through east to south-southwest is gently rolling, barren tundra. Some 60 miles to the east and southeast, however, the Aleutian Range rises to peaks a little above the 7,000-foot level. This mountain range extends in a northeast-southwest direction. The southern end of the Kuskokwim Range reaches southward to an area roughly 100 miles directly west of King Salmon. Nearness to the ocean tends to provide King Salmon with a climate that is predominantly maritime in character, with diurnal and seasonal temperature ranges normally confined to rather narrow limits. However, the area occasionally experiences definite continental influences that cause temperature extremes which tend to exaggerate the climatic conditions generally prevailing. Extreme temperatures range from upper 80s to readings near -40 degrees, but days in summer with maximum readings reaching 80 degrees are extremely rare. In fact, July, the warmest month, has an average of only five days with temperatures reaching 70 degrees or above.

Cloud coverage in the King Salmon area is generally quite high, averaging about eight-tenths the year around. Mountain ranges to the south, east, and west tend to provide uplift for air moving toward King Salmon from these directions and produce considerable cloudiness which is carried out across the local area. When the wind movement is inland from the southwest, the air arrives carrying a high moisture content to condense in low level cloudiness, and this action contributes to the frequent fog occurrences all months of the year. Fog development is most frequent during the months of July and August. During the winter months the high moisture content of the air causes substantial accumulations of frost on outside objects.

Seasonal snowfall averages about 45 inches, with the maximum depth on the ground during the winter season averaging about 10 inches. This indicates the extent of melting that takes place with the snow accumulation. Although most of the snow is received during periods of general snowfall over most of the southwestern mainland, a considerable amount of snow is brought in as snow showers which move inland from the Bristol Bay area. These showers are generally quite local and usually of short duration, but they often follow in rapid succession to bring sizeable accumulations of snow within relatively short periods of time. December has the greatest monthly average snowfall amount.

From December through March the area experiences rather strong winds, due to the passage of eastward-moving Aleutian lows. The strongest winds are usually from a northerly direction, developing after the low centers have passed on east of the local area. Winds of 50 mph or more have occurred in all months with extremes above 90 mph.

Ice in the bay near King Salmon usually becomes safe for man around November 11, with the Naknek River becoming safe for man around November 25. Break-up on the bay averages about April 6, with the break-up on the river averaging about April 18.

The average date of the last freeze is late May and the average date of the first freeze is early September. The average growing season is 100 days.

STATION LOCATION

KING SALMON, 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 TEMPERATURE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE BUCKET | WEIGHING RAIN GAGE | 8 INCH RAIN GAGE | | |
| *NOTE: <u>AIRPORT</u> King Salmon Airport | 1/25/62 | 06/01/98 | 2420 ft. WNW | 58°41' | 156°39' | d49 | a20 g3 | e6 | e6 | | | 5 | 3 b | c5 f6 | a. 38 feet to 2/5/62. b. Removed 1967. c. Commissioned 2400 feet ESE of thermometer site 1/1/64. d. 43 feet until resurvey of 9/29/66. e. Stand-by status after 1/1/64. f. Minor adjustment and type change 7/13/85. g. Installed 4/30/87. |
| King Salmon Airport | 06/01/98 | Present | | 58°41' | 156°39' | h33 | | | | | | | | | ASOS Commissioned 06/01/98 h. Ground elevation. |

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* NOTES: For earlier station history see previous edition.