

2005

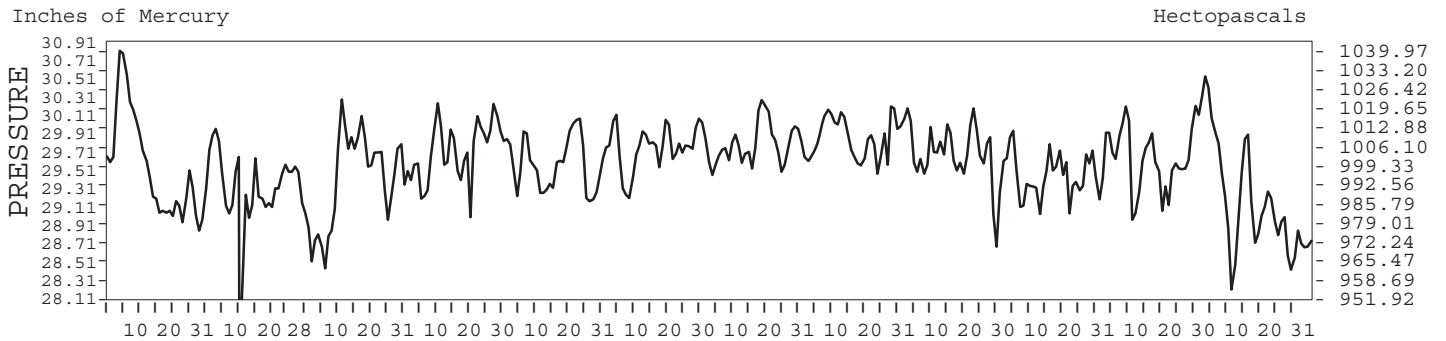
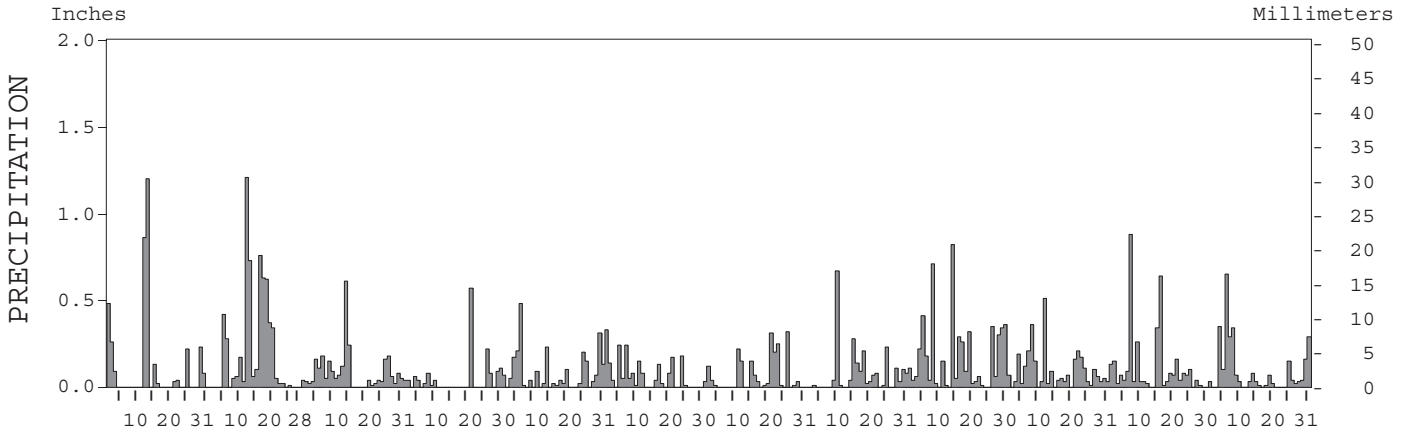
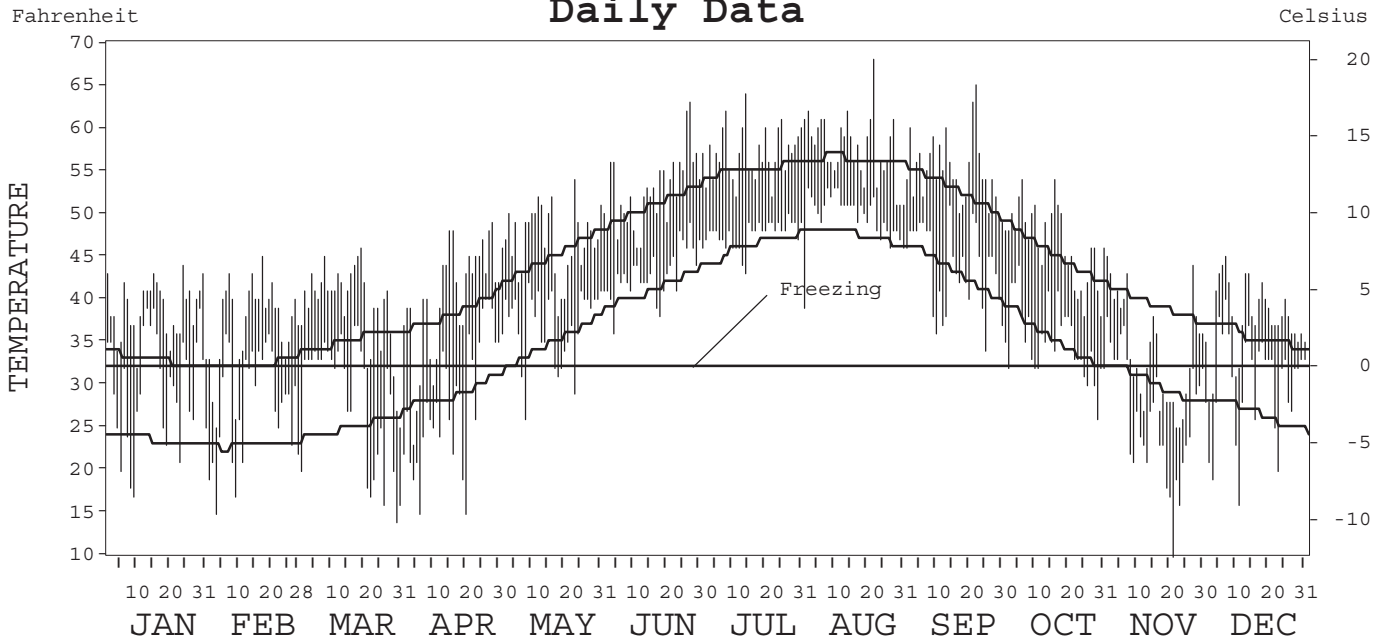
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0197-968X

COLD BAY,
ALASKA (CDB)

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 |
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METEOROLOGICAL DATA FOR 2005

COLD BAY, AK (CDB)

LATITUDE: 55° 12' 24" N LONGITUDE: 162° 43' 18" W ELEVATION (FT.): GRND: 95 BARO: 98 TIME ZONE: ALASKA (UTC + 9) WBAN: 25624

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--------------------------|-------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 38.7 | 37.1 | 39.1 | 40.1 | 46.9 | 52.8 | 57.1 | 57.7 | 55.0 | 46.5 | 33.8 | 37.8 | 45.2 |
| | HIGHEST DAILY MAXIMUM | 44 | 45 | 46 | 49 | 54 | 63 | 64 | 68 | 65 | 54 | 45 | 45 | 68 |
| | DATE OF OCCURRENCE | 24 | 17 | 19 | 28 | 23 | 27 | 14 | 22 | 22 | 16+ | 01 | 07 | AUG 22 |
| | MEAN DAILY MINIMUM | 29.7 | 27.9 | 28.3 | 28.2 | 36.9 | 43.0 | 47.6 | 49.7 | 43.6 | 35.1 | 26.2 | 30.3 | 35.5 |
| | LOWEST DAILY MINIMUM | 17 | 15 | 14 | 15 | 26 | 36 | 43 | 39 | 34 | 26 | 10 | 16 | 10 |
| | DATE OF OCCURRENCE | 09 | 03 | 30 | 20+ | 08 | 04 | 14 | 01 | 25 | 29 | 21 | 11 | NOV 21 |
| | AVERAGE DRY BULB | 34.2 | 32.5 | 33.7 | 34.2 | 41.9 | 47.9 | 52.4 | 53.7 | 49.3 | 40.8 | 30.0 | 34.1 | 40.4 |
| | MEAN WET BULB | 33.2 | | 31.9 | 31.9 | 39.8 | 45.4 | 49.7 | 51.3 | 47.5 | 38.6 | | 33.3 | |
| | MEAN DEW POINT | 31.1 | | 28.5 | 28.4 | 37.3 | 43.4 | 47.7 | 49.4 | 45.0 | 35.2 | | 31.0 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| MAXIMUM ≥ 70° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MAXIMUM ≤ 32° | 1 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 4 | 31 | |
| MINIMUM ≤ 32° | 19 | 19 | 17 | 20 | 6 | 0 | 0 | 0 | 0 | 9 | 23 | 16 | 129 | |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| H/C | HEATING DEGREE DAYS | 945 | 903 | 963 | 921 | 707 | 507 | 385 | 343 | 464 | 745 | 1043 | 952 | 8878 |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RH | MEAN (PERCENT) | 88 | 85 | 81 | 80 | 84 | 87 | 87 | 88 | 85 | 80 | 83 | 87 | 85 |
| | HOUR 03 LST | 89 | 86 | 85 | 85 | 89 | 92 | 94 | 92 | 88 | 83 | 83 | 87 | 88 |
| | HOUR 09 LST | 88 | 86 | 84 | 83 | 86 | 87 | 90 | 91 | 86 | 84 | 84 | 87 | 86 |
| | HOUR 15 LST | 84 | 80 | 75 | 73 | 77 | 80 | 78 | 82 | 79 | 73 | 80 | 86 | 79 |
| | HOUR 21 LST | 89 | 84 | 81 | 80 | 84 | 87 | 87 | 89 | 86 | 82 | 82 | 87 | 85 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 5 | 3 | 2 | 0 | 1 | 3 | 2 | 3 | 0 | 0 | 4 | 1 | 24 |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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.) | 29.53 | | 29.38 | 29.70 | 29.58 | 29.76 | 29.79 | 29.88 | 29.66 | 29.47 | 29.71 | 29.05 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.65 | | 29.50 | 29.81 | 29.70 | 29.87 | 29.90 | 29.99 | 29.77 | 29.58 | | 29.22 | |
| WINDS | RESULTANT SPEED (MPH) | 6.2 | | 5.0 | 2.4 | 4.7 | 6.2 | 4.4 | 5.4 | 8.6 | 6.6 | 10.4 | 3.8 | |
| | RES. DIR. (TENS OF DEGS.) | 11 | | 13 | 07 | 12 | 16 | 28 | 20 | 22 | 29 | 31 | 13 | |
| | MEAN SPEED (MPH) | 13.4 | 17.4 | 17.3 | 15.0 | 15.1 | 15.3 | 11.0 | 17.7 | 18.5 | 16.5 | 16.6 | 13.5 | 15.6 |
| | PREVAIL. DIR. (TENS OF DEGS.) | 13 | 14 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 32 | 32 | 13 | 14 |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | |
| | SPEED (MPH) | 46 | 55 | 46 | 61 | 51 | 56 | 36 | 47 | 44 | 55 | 55 | 46 | 61 |
| | DIR. (TENS OF DEGS.) | 13 | 11 | 13 | 14 | 13 | 13 | 26 | 14 | 08 | 30 | 32 | 13 | 14 |
| | DATE OF OCCURRENCE | 13 | 17 | 18 | 21 | 25 | 16 | 16 | 09 | 26+ | 21+ | 09 | 06 | APR 21 |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | |
| | SPEED (MPH) | 58 | 66 | 54 | 79 | 60 | 61 | 41 | 54 | 54 | 67 | 62 | 53 | 79 |
| DIR. (TENS OF DEGS.) | 07 | 13 | 13 | 14 | 12 | 13 | 25 | 14 | 07 | 30 | 32 | 12 | 14 | |
| DATE OF OCCURRENCE | 24 | 18+ | 18 | 21 | 26+ | 16 | 16 | 09 | 26 | 21 | 09 | 06 | APR 21 | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | |
| | TOTAL (IN.) | 3.64 | 5.93 | 2.64 | 1.40 | 2.47 | 2.04 | 1.98 | 2.25 | 5.31 | 2.95 | 3.42 | 2.84 | 36.87 |
| | GREATEST 24-HOUR (IN.) | 1.61 | 1.21 | 0.76 | 0.57 | 0.48 | 0.33 | 0.32 | 0.67 | 0.82 | 0.51 | 0.95 | 0.85 | 1.61 |
| | DATE OF OCCURRENCE | 12-13 | 12 | 14-15 | 21 | 06 | 01 | 26 | 10 | 14 | 12 | 06-07 | 06-07 | JAN 12-13 |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 12 | 19 | 26 | 13 | 22 | 18 | 18 | 19 | 26 | 27 | 25 | 22 | 247 | |
| PRECIPITATION ≥ 0.10 | 7 | 11 | 9 | 3 | 9 | 8 | 8 | 7 | 14 | 11 | 8 | 8 | 103 | |
| PRECIPITATION ≥ 1.00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.5 | 6.1 | 11.4 | 5.2 | 0.5 | 0.0 | 0.0 | 0.0 | T | 0.4 | 16.8 | 3.0 | 44.9 |
| | GREATEST 24-HOUR (IN.) | 0.8 | 1.9 | 2.9 | 1.4 | 0.4 | 0.0 | 0.0 | 0.0 | T | 0.2 | 5.3 | 1.5 | 5.3 |
| | DATE OF OCCURRENCE | 03 | 10 | 26 | 04 | 18 | | | | 30+ | 30 | 09 | 31 | NOV 09 |
| | MAXIMUM SNOW DEPTH (IN.) | T | 3 | 2 | 2 | T | 0 | 0 | 0 | 0 | T | 7 | 1 | 7 |
| | DATE OF OCCURRENCE | 05+ | 12+ | 31+ | 06+ | 19 | | | | | 31+ | 23+ | 31+ | NOV 23+ |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 14 | |

NORMALS, MEANS, AND EXTREMES

COLD BAY, AK (CDB)

LATITUDE: 55° 12' 24" N LONGITUDE: 162° 43' 18" W ELEVATION (FT): GRND: 95 BARO: 98 TIME ZONE: ALASKA (UTC + 9) WBAN: 25624

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 32.8 | 32.3 | 35.1 | 38.2 | 44.9 | 50.8 | 55.1 | 56.2 | 52.5 | 45.0 | 39.1 | 35.5 | 43.1 | |
| | MEAN DAILY MAXIMUM | 50 | 33.0 | 32.9 | 34.9 | 38.5 | 44.9 | 50.7 | 55.0 | 55.9 | 52.3 | 44.7 | 39.1 | 34.8 | 43.1 | |
| | HIGHEST DAILY MAXIMUM | 61 | 51 | 50 | 56 | 60 | 67 | 72 | 77 | 78 | 76 | 69 | 59 | 54 | 78 | |
| | YEAR OF OCCURRENCE | | 1993 | 1991 | 1974 | 1948 | 1979 | 2001 | 1960 | 1948 | 1985 | 1964 | 1986 | 1990 | | AUG 1948 |
| | MEAN OF EXTREME MAXS. | 50 | 42.8 | 42.6 | 44.7 | 47.7 | 54.7 | 60.5 | 64.7 | 65.4 | 60.1 | 54.5 | 48.7 | 44.6 | 52.6 | |
| | NORMAL DAILY MINIMUM | 30 | 23.5 | 22.9 | 24.9 | 28.8 | 34.8 | 41.1 | 46.1 | 47.4 | 43.0 | 35.1 | 29.9 | 26.5 | 33.7 | |
| | MEAN DAILY MINIMUM | 50 | 23.9 | 23.7 | 25.0 | 28.9 | 35.0 | 41.1 | 46.0 | 47.3 | 43.1 | 35.0 | 30.0 | 26.1 | 33.8 | |
| | LOWEST DAILY MINIMUM | 62 | -13 | -9 | -13 | 4 | 18 | 29 | 33 | 32 | 26 | 6 | 1 | -1 | -13 | |
| | YEAR OF OCCURRENCE | | 2000 | 1947 | 1971 | 1976 | 1973 | 1952 | 1982 | 1999 | 1992 | 1999 | 1963 | 1979 | | JAN 2000 |
| | MEAN OF EXTREME MINS. | 50 | 6.6 | 6.9 | 10.0 | 17.7 | 26.4 | 34.6 | 40.3 | 39.9 | 33.2 | 24.7 | 17.7 | 10.8 | 22.4 | |
| | NORMAL DRY BULB | 30 | 28.2 | 27.6 | 30.0 | 33.5 | 39.8 | 45.9 | 50.6 | 51.8 | 47.8 | 40.0 | 34.5 | 31.0 | 38.4 | |
| | MEAN DRY BULB | 50 | 28.4 | 28.2 | 29.9 | 33.8 | 40.1 | 45.9 | 50.5 | 51.6 | 47.7 | 39.9 | 34.6 | 30.4 | 38.4 | |
| | MEAN WET BULB | 21 | 28.1 | 28.1 | 29.1 | 32.1 | 37.9 | 43.7 | 48.7 | 50.2 | 46.0 | 38.8 | 33.8 | 30.3 | 37.2 | |
| | MEAN DEW POINT | 21 | 25.2 | 25.2 | 26.0 | 29.2 | 34.9 | 41.6 | 47.2 | 48.6 | 43.8 | 35.9 | 30.9 | 27.8 | 34.7 | |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| MAXIMUM ≥ 70° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | |
| MAXIMUM ≤ 32° | 30 | 11.6 | 11.1 | 8.5 | 5.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 4.0 | 8.2 | 49.3 | |
| MINIMUM ≤ 32° | 30 | 24.1 | 22.7 | 24.0 | 20.5 | 9.0 | 0.5 | 0.0 | * | 0.5 | 9.1 | 18.6 | 21.8 | 150.8 | | |
| MINIMUM ≤ 0° | 30 | 0.7 | 0.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.0 | | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1142 | 1048 | 1069 | 945 | 780 | 573 | 447 | 409 | 518 | 774 | 915 | 1054 | 9674 | |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| RH | NORMAL (PERCENT) | 30 | 85 | 85 | 84 | 83 | 83 | 86 | 89 | 89 | 86 | 83 | 84 | 85 | 85 | |
| | HOUR 03 LST | 30 | 86 | 86 | 86 | 87 | 89 | 92 | 94 | 94 | 90 | 86 | 85 | 86 | 88 | |
| | HOUR 09 LST | 30 | 85 | 86 | 86 | 85 | 85 | 87 | 91 | 91 | 88 | 85 | 85 | 86 | 87 | |
| | HOUR 15 LST | 30 | 83 | 82 | 78 | 77 | 75 | 78 | 82 | 83 | 80 | 77 | 82 | 84 | 80 | |
| | HOUR 21 LST | 30 | 86 | 85 | 85 | 85 | 84 | 86 | 89 | 91 | 88 | 85 | 85 | 86 | 86 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 51 | 2.3 | 1.6 | 2.1 | 1.4 | 1.5 | 2.2 | 3.8 | 3.3 | 1.0 | 0.3 | 0.8 | 1.9 | 22.2 | |
| | THUNDERSTORMS | 51 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 42 | 6.6 | 6.7 | 6.6 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.3 | 7.0 | 6.8 | 6.8 | 7.1 | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 33 | 6.5 | 6.6 | 6.6 | 7.1 | 7.3 | 7.4 | 7.5 | 7.6 | 7.2 | 6.8 | 6.7 | 6.7 | 7.0 | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | | |
| CLEAR | 42 | 2.4 | 1.9 | 2.1 | 0.6 | 0.5 | 0.4 | 0.2 | 0.2 | 0.3 | 0.7 | 1.1 | 1.6 | 12.0 | | |
| PARTLY CLOUDY | 42 | 5.4 | 4.6 | 5.9 | 3.8 | 3.2 | 2.7 | 2.3 | 1.9 | 3.5 | 5.1 | 5.4 | 5.2 | 49.0 | | |
| CLOUDY | 42 | 23.1 | 21.8 | 23.1 | 25.6 | 27.3 | 26.9 | 27.9 | 28.3 | 25.6 | 24.7 | 23.0 | 23.6 | 300.9 | | |
| PR | MEAN STATION PRESSURE (IN) | 33 | 29.40 | 29.45 | 29.52 | 29.62 | 29.72 | 29.80 | 29.90 | 29.81 | 29.62 | 29.59 | 29.48 | 29.38 | 29.61 | |
| | MEAN SEA-LEVEL PRES. (IN) | 21 | 29.55 | 29.60 | 29.69 | 29.78 | 29.82 | 29.85 | 29.99 | 29.94 | 29.76 | 29.70 | 29.62 | 29.48 | 29.73 | |
| WINDS | MEAN SPEED (MPH) | 33 | 17.3 | 17.7 | 17.5 | 17.1 | 16.6 | 15.6 | 15.1 | 16.0 | 16.2 | 16.9 | 17.4 | 17.3 | 16.7 | |
| | PREVAIL. DIR (TENS OF DEGS) | 25 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 33 | 14 | 14 | 14 | |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | | |
| | SPEED (MPH) | 7 | 66 | 71 | 62 | 61 | 58 | 56 | 53 | 47 | 47 | 55 | 66 | 60 | 71 | |
| | DIR. (TENS OF DEGS) | | 15 | 13 | 15 | 14 | 14 | 13 | 14 | 14 | 26 | 30 | 12 | 12 | 13 | |
| | YEAR OF OCCURRENCE | | 2001 | 2000 | 2003 | 2005 | 2004 | 2005 | 2001 | 2005 | 2000 | 2005 | 2000 | 2000 | FEB 2000 | |
| MAXIMUM 5-SECOND: | | | | | | | | | | | | | | | | |
| SPEED (MPH) | 7 | 78 | 79 | 75 | 79 | 63 | 61 | 60 | 60 | 55 | 67 | 81 | 75 | 81 | | |
| DIR. (TENS OF DEGS) | | 13 | 13 | 15 | 14 | 14 | 13 | 14 | 14 | 26 | 30 | 12 | 13 | 12 | | |
| YEAR OF OCCURRENCE | | 2001 | 2000 | 2003 | 2005 | 2004 | 2005 | 2001 | 2000 | 2000 | 2005 | 2000 | 2000 | NOV 2000 | | |
| PRECIPITATION | NORMAL (IN) | 30 | 3.08 | 2.59 | 2.48 | 2.30 | 2.65 | 2.89 | 2.53 | 3.59 | 4.51 | 4.54 | 4.79 | 4.33 | 40.28 | |
| | MAXIMUM MONTHLY (IN) | 60 | 8.46 | 7.87 | 5.56 | 6.55 | 6.84 | 8.35 | 6.13 | 9.97 | 9.79 | 10.17 | 12.22 | 13.94 | 13.94 | |
| | YEAR OF OCCURRENCE | | 1948 | 1944 | 2000 | 1979 | 2002 | 2000 | 1982 | 1951 | 1965 | 2000 | 2000 | 2000 | DEC 2000 | |
| | MINIMUM MONTHLY (IN) | 60 | 0.60 | 0.08 | 0.41 | 0.02 | 0.54 | 0.12 | 0.28 | 1.10 | 0.91 | 1.43 | 1.15 | 0.19 | 0.02 | |
| | YEAR OF OCCURRENCE | | 1956 | 1950 | 1972 | 1948 | 1992 | 1962 | 1950 | 1975 | 1952 | 1997 | 1975 | 1956 | APR 1948 | |
| | MAXIMUM IN 24 HOURS (IN) | 60 | 3.18 | 2.95 | 2.35 | 2.19 | 2.30 | 3.20 | 1.77 | 2.17 | 3.43 | 4.90 | 3.78 | 3.63 | 4.90 | |
| | YEAR OF OCCURRENCE | | 1999 | 1996 | 2002 | 1993 | 2000 | 1996 | 1986 | 1951 | 1965 | 1968 | 2000 | 2000 | OCT 1968 | |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 20.8 | 18.4 | 19.6 | 19.1 | 18.7 | 18.0 | 17.9 | 20.8 | 21.7 | 23.4 | 23.1 | 22.9 | 244.4 | | |
| PRECIPITATION ≥ 1.00 | 30 | 0.3 | 0.2 | 0.1 | 0.1 | 0.3 | 0.3 | 0.2 | 0.5 | 0.6 | 0.5 | 0.6 | 0.6 | 4.3 | | |
| SNOWFALL | NORMAL (IN) | 30 | 13.9 | 13.3 | 12.9 | 7.0 | 1.7 | 0.* | 0.* | 0.0 | 0.* | 3.0 | 9.9 | 12.6 | 74.3 | |
| | MAXIMUM MONTHLY (IN) | 55 | 57.1 | 54.3 | 44.6 | 19.5 | 9.3 | 0.5 | T | T | 0.2 | 15.6 | 27.4 | 30.0 | 57.1 | |
| | YEAR OF OCCURRENCE | | 2000 | 1984 | 1999 | 1976 | 1971 | 1971 | 1976 | 1998 | 1972 | 1968 | 1983 | 1997 | JAN 2000 | |
| | MAXIMUM IN 24 HOURS (IN) | 55 | 18.0 | 17.7 | 10.1 | 9.0 | 4.0 | 2.6 | T | T | 0.2 | 11.4 | 21.4 | 9.4 | 21.4 | |
| | YEAR OF OCCURRENCE | | 1982 | 1984 | 1994 | 2001 | 1986 | 1971 | 1976 | 1998 | 1972 | 1968 | 1983 | 1975 | NOV 1983 | |
| | MAXIMUM SNOW DEPTH (IN) | 49 | 46 | 35 | 32 | 28 | 3 | 0 | 0 | 0 | 0 | 13 | 12 | 23 | 46 | |
| | YEAR OF OCCURRENCE | | 2000 | 2000 | 1999 | 1999 | 1971 | | | | | 1968 | 1975 | 1997 | JAN 2000 | |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 4.2 | 3.9 | 4.2 | 2.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.9 | 4.6 | 23.3 | | |

PRECIPITATION (inches) 2005 COLD BAY, AK (CDB)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|
| 1976 | 1.88 | 2.88 | 3.76 | 2.09 | 0.94 | 2.69 | 1.92 | 2.01 | 2.38 | 5.63 | 2.51 | 2.89 | 31.58 |
| 1977 | 4.82 | 2.36 | 4.70 | 2.38 | 1.71 | 1.14 | 2.89 | 3.32 | 2.63 | 5.12 | 6.85 | 3.55 | 41.47 |
| 1978 | 3.70 | 1.74 | 2.22 | 5.42 | 3.63 | 2.84 | 5.67 | 2.88 | 3.82 | 7.67 | 6.67 | 6.89 | 53.15 |
| 1979 | 4.10 | 0.78 | 4.65 | 6.55 | 4.92 | 1.98 | 2.02 | 5.33 | 5.31 | 7.14 | 7.57 | 2.21 | 52.56 |
| 1980 | 3.51 | 1.69 | 3.52 | 1.71 | 4.22 | 3.67 | 2.68 | 3.95 | 5.23 | 4.42 | 2.88 | 2.24 | 39.72 |
| 1981 | 2.34 | 4.45 | 2.34 | 1.30 | 3.09 | 1.75 | 2.64 | 5.73 | 2.25 | 6.51 | 3.11 | 3.16 | 38.67 |
| 1982 | 5.41 | 1.13 | 3.45 | 1.33 | 4.13 | 2.93 | 6.13 | 2.17 | 6.44 | 2.41 | 5.12 | 3.10 | 43.75 |
| 1983 | 1.58 | 0.66 | 0.88 | 3.53 | 1.59 | 1.31 | 2.71 | 4.06 | 4.41 | 4.82 | 5.69 | 7.31 | 38.55 |
| 1984 | 2.30 | 2.82 | 1.56 | 1.79 | 1.20 | 1.45 | 1.77 | 1.48 | 2.87 | 3.64 | 7.61 | 3.19 | 31.68 |
| 1985 | 3.29 | 2.42 | 2.85 | 1.01 | 2.45 | 2.19 | 2.27 | 5.47 | 7.14 | 6.59 | 7.72 | 4.95 | 48.35 |
| 1986 | 2.05 | 2.23 | 0.55 | 1.12 | 2.02 | 1.91 | 2.48 | 2.63 | 7.37 | 3.03 | 5.08 | 4.94 | 35.41 |
| 1987 | 3.17 | 3.15 | 3.18 | 1.94 | 1.52 | 4.00 | 1.80 | 2.56 | 4.25 | 5.60 | 3.17 | 3.69 | 38.03 |
| 1988 | 3.70 | 2.91 | 0.89 | 1.81 | 2.70 | 1.69 | 1.12 | 3.03 | 3.90 | 3.28 | 3.97 | 6.37 | 35.37 |
| 1989 | 1.68 | 4.02 | 0.52 | 2.20 | 2.21 | 2.48 | 1.40 | 3.20 | 7.77 | 4.39 | 2.60 | 3.81 | 36.28 |
| 1990 | 3.99 | 2.18 | 1.84 | 1.16 | 3.23 | 1.38 | 2.13 | 2.89 | 6.55 | 4.21 | 2.06 | 5.96 | 37.58 |
| 1991 | 2.74 | 2.95 | 4.33 | 1.96 | 2.47 | 3.78 | 0.45 | 4.17 | 5.82 | 5.83 | 1.55 | 3.32 | 39.37 |
| 1992 | 1.57 | 0.68 | 1.22 | 0.26 | 0.54 | 3.27 | 2.36 | 2.86 | 2.21 | 2.59 | 4.42 | 6.20 | 28.18 |
| 1993 | 5.32 | 3.04 | 1.85 | 3.98 | 2.63 | 3.64 | 2.03 | 4.94 | 5.86 | 4.48 | 6.79 | 4.28 | 48.84 |
| 1994 | 3.01 | 2.02 | 4.15 | 1.39 | 4.01 | 1.89 | 3.16 | 3.73 | 6.17 | 3.83 | 4.65 | 4.75 | 42.76 |
| 1995 | 2.31 | 2.66 | 1.83 | 2.06 | 2.12 | 2.05 | 1.91 | 2.59 | 5.54 | 5.01 | 1.19 | 1.80 | 31.07 |
| 1996 | 3.88 | 6.97 | 2.39 | 2.73 | 2.81 | 6.81 | 5.29 | 2.41 | 3.97 | 2.65 | 5.28 | 1.75 | 46.94 |
| 1997 | 2.23 | 2.09 | 1.09 | 0.66 | 3.22 | 3.36 | 1.29 | 6.32 | 7.08 | 1.43 | 6.15 | 3.81 | 38.73 |
| 1998 | 0.60 | 0.50 | 4.64 | 5.08 | 5.01 | 2.70 | 3.45 | 5.02 | 6.23 | 3.93 | 4.57 | 2.66 | 44.39 |
| 1999 | 5.52 | 1.37 | 3.91 | 3.02 | 1.88 | 3.13 | 1.90 | 6.27 | 2.34 | 4.49 | 4.73 | 2.19 | 40.75 |
| 2000 | 4.23 | 7.54 | 5.56 | 4.43 | 4.42 | 8.35 | 4.66 | 6.11 | 2.69 | 10.17 | 12.22 | 13.94 | 84.32 |
| 2001 | 5.09 | 3.97 | 3.48 | 4.61 | 0.92 | 3.96 | 3.47 | 2.28 | 3.86 | 7.54 | 3.61 | 2.93 | 45.72 |
| 2002 | 6.25 | 3.31 | 5.32 | 1.92 | 6.84 | 1.88 | 1.34 | 3.58 | 4.23 | 8.65 | 5.92 | 5.11 | 54.35 |
| 2003 | 2.47 | 4.35 | 2.23 | 1.76 | 2.03 | 2.44 | 2.45 | 4.43 | 3.62 | 4.56 | 3.86 | 5.67 | 39.87 |
| 2004 | 3.51 | 3.24 | 2.94 | 5.82 | 4.03 | 2.32 | 2.36 | 4.21 | 5.05 | 5.55 | 6.78 | 8.21 | 54.02 |
| 2005 | 3.64 | 5.93 | 2.64 | 1.40 | 2.47 | 2.04 | 1.98 | 2.25 | 5.31 | 2.95 | 3.42 | 2.84 | 36.87 |
| POR= 60 YRS | 2.98 | 2.79 | 2.35 | 2.09 | 2.49 | 2.50 | 2.41 | 3.74 | 4.27 | 4.56 | 4.46 | 3.67 | 38.31 |

WBAN : 25624

AVERAGE TEMPERATURE (°F) 2005 COLD BAY, AK (CDB)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1976 | 25.5 | 23.9 | 22.0 | 27.2 | 36.6 | 44.6 | 49.7 | 50.8 | 45.3 | 39.1 | 30.5 | 28.2 | 35.3 |
| 1977 | 35.3 | 33.5 | 30.7 | 31.3 | 39.3 | 49.6 | 54.0 | 53.6 | 50.1 | 38.9 | 31.2 | 29.4 | 39.7 |
| 1978 | 33.4 | 28.4 | 30.8 | 37.9 | 40.5 | 47.0 | 49.6 | 54.3 | 48.8 | 40.1 | 38.1 | 35.2 | 40.3 |
| 1979 | 35.1 | 28.4 | 35.4 | 40.8 | 43.4 | 50.6 | 52.3 | 51.9 | 49.0 | 41.9 | 35.0 | 26.7 | 40.9 |
| 1980 | 23.5 | 25.4 | 33.7 | 35.6 | 41.4 | 45.9 | 52.9 | 51.5 | 48.1 | 40.3 | 36.4 | 32.1 | 38.9 |
| 1981 | 30.9 | 29.4 | 35.9 | 38.4 | 44.8 | 47.6 | 52.9 | 52.2 | 48.1 | 40.8 | 33.8 | 30.7 | 40.5 |
| 1982 | 29.8 | 27.1 | 33.9 | 32.1 | 38.0 | 45.0 | 46.8 | 50.2 | 45.1 | 37.5 | 35.3 | 30.5 | 37.6 |
| 1983 | 24.6 | 31.5 | 33.5 | 36.8 | 41.7 | 48.4 | 51.6 | 52.2 | 47.3 | 39.7 | 34.6 | 37.5 | 40.0 |
| 1984 | 31.2 | 18.7 | 33.7 | 31.6 | 38.0 | 47.0 | 49.7 | 54.7 | 49.7 | 40.8 | 37.0 | 37.3 | 39.1 |
| 1985 | 36.1 | 27.9 | 30.1 | 26.8 | 38.3 | 42.5 | 50.6 | 50.8 | 49.5 | 39.6 | 38.9 | 35.6 | 38.9 |
| 1986 | 24.4 | 28.4 | 27.0 | 32.2 | 38.0 | 44.7 | 51.7 | 51.2 | 49.8 | 42.2 | 37.0 | 34.4 | 38.4 |
| 1987 | 30.5 | 31.2 | 33.6 | 34.2 | 38.8 | 44.5 | 50.9 | 52.8 | 46.9 | 41.0 | 30.0 | 28.3 | 38.6 |
| 1988 | 31.2 | 30.2 | 26.1 | 31.1 | 40.3 | 46.0 | 51.0 | 51.1 | 46.9 | 40.5 | 32.5 | 30.9 | 38.2 |
| 1989 | 22.3 | 35.0 | 31.5 | 34.3 | 40.6 | 46.0 | 50.9 | 53.3 | 49.8 | 42.3 | 32.1 | 31.3 | 39.1 |
| 1990 | 30.4 | 26.3 | 32.1 | 36.4 | 41.4 | 46.9 | 50.1 | 52.2 | 47.6 | 40.3 | 34.6 | 36.4 | 39.6 |
| 1991 | 31.1 | 22.8 | 34.3 | 35.6 | 40.0 | 45.5 | 50.8 | 51.6 | 49.5 | 42.0 | 36.0 | 29.7 | 39.1 |
| 1992 | 29.1 | 25.4 | 29.9 | 33.1 | 40.3 | 48.0 | 49.9 | 50.6 | 45.8 | 38.9 | 33.0 | 32.4 | 38.0 |
| 1993 | 27.0 | 31.1 | 33.1 | 37.4 | 41.9 | 47.2 | 52.0 | 52.7 | 49.0 | 42.2 | 38.2 | 31.7 | 40.3 |
| 1994 | 31.8 | 31.4 | 26.4 | 33.7 | 39.2 | 45.6 | 50.7 | 53.2 | 47.7 | 39.0 | 35.2 | 29.8 | 38.6 |
| 1995 | 26.4 | 29.9 | 27.5 | 32.7 | 40.5 | 46.3 | 50.9 | 50.5 | 50.0 | 41.0 | 32.1 | 34.0 | 38.5 |
| 1996 | 30.0 | 29.4 | 36.8 | 35.8 | 43.2 | 45.5 | 51.0 | 51.7 | 46.0 | 39.7 | 37.2 | 29.9 | 39.7 |
| 1997 | 28.4 | 31.8 | 28.5 | 34.9 | 44.2 | 48.1 | 53.4 | 55.2 | 48.3 | 40.8 | 35.5 | 25.8 | 39.6 |
| 1998 | 24.5 | 27.9 | 35.6 | 37.1 | 40.5 | 47.4 | 51.2 | 51.3 | 46.7 | 39.4 | 34.4 | 28.1 | 38.7 |
| 1999 | 27.3 | 19.9 | 25.2 | 32.3 | 37.7 | 44.9 | 50.4 | 49.7 | 46.8 | 36.6 | 32.5 | 21.2 | 35.4 |
| 2000 | 19.4 | 33.0 | 31.6 | 33.4 | 38.6 | 46.9 | 49.3 | 51.8 | 47.1 | 40.3 | 36.8 | 35.6 | 38.7 |
| 2001 | 29.5 | 32.7 | 30.2 | 35.9 | 37.0 | 47.1 | 51.8 | 53.1 | 47.3 | 39.2 | 34.1 | 26.6 | 38.7 |
| 2002 | 31.0 | 26.3 | 33.4 | 36.7 | 43.0 | 48.4 | 52.2 | 52.9 | 49.2 | 44.0 | 38.7 | 30.8 | 40.6 |
| 2003 | 33.2 | 36.7 | 29.6 | 37.2 | 42.7 | 48.1 | 51.2 | 53.3 | 48.4 | 41.8 | 37.1 | 29.4 | 40.7 |
| 2004 | 25.6 | 32.5 | 28.6 | 34.6 | 43.2 | 48.1 | 52.7 | 54.5 | 49.0 | 42.7 | 35.6 | 31.4 | 39.9 |
| 2005 | 34.2 | 32.5 | 33.7 | 34.2 | 41.9 | 47.9 | 52.4 | 53.7 | 49.3 | 40.8 | 30.0 | 34.1 | 40.4 |
| POR= 61 YRS | 28.5 | 28.5 | 29.6 | 33.6 | 40.0 | 45.7 | 50.3 | 51.6 | 47.4 | 39.9 | 34.4 | 30.1 | 38.3 |

HEATING DEGREE DAYS (base 65°F) 2005 COLD BAY, AK (CDB)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1976-77 | 463 | 434 | 585 | 797 | 1029 | 1134 | 914 | 874 | 1057 | 1006 | 789 | 456 | 9538 |
| 1977-78 | 334 | 344 | 441 | 805 | 1006 | 1095 | 972 | 1017 | 1053 | 808 | 750 | 535 | 9160 |
| 1978-79 | 471 | 325 | 481 | 766 | 799 | 917 | 921 | 1020 | 910 | 720 | 661 | 425 | 8416 |
| 1979-80 | 387 | 400 | 474 | 712 | 893 | 1179 | 1279 | 1143 | 964 | 876 | 726 | 569 | 9602 |
| 1980-81 | 368 | 414 | 499 | 757 | 851 | 1014 | 1051 | 990 | 898 | 791 | 621 | 512 | 8766 |
| 1981-82 | 368 | 390 | 500 | 742 | 929 | 1058 | 1083 | 1056 | 956 | 980 | 828 | 592 | 9482 |
| 1982-83 | 559 | 451 | 590 | 848 | 884 | 1062 | 1246 | 934 | 969 | 838 | 718 | 493 | 9592 |
| 1983-84 | 408 | 388 | 523 | 779 | 907 | 847 | 1045 | 1338 | 967 | 995 | 834 | 533 | 9564 |
| 1984-85 | 467 | 310 | 452 | 744 | 834 | 854 | 889 | 1033 | 1075 | 1140 | 821 | 669 | 9288 |
| 1985-86 | 440 | 434 | 455 | 779 | 775 | 905 | 1251 | 1018 | 1173 | 976 | 832 | 605 | 9643 |
| 1986-87 | 406 | 423 | 448 | 699 | 834 | 939 | 1063 | 943 | 965 | 916 | 806 | 607 | 9049 |
| 1987-88 | 431 | 373 | 538 | 737 | 1042 | 1131 | 1043 | 1003 | 1203 | 1014 | 754 | 565 | 9834 |
| 1988-89 | 427 | 423 | 537 | 755 | 970 | 1050 | 1318 | 834 | 1034 | 917 | 751 | 564 | 9580 |
| 1989-90 | 432 | 353 | 447 | 695 | 978 | 1037 | 1063 | 1077 | 1010 | 853 | 727 | 535 | 9207 |
| 1990-91 | 455 | 390 | 516 | 757 | 905 | 879 | 1046 | 1178 | 945 | 873 | 771 | 578 | 9293 |
| 1991-92 | 432 | 410 | 457 | 705 | 864 | 1089 | 1103 | 1140 | 1083 | 947 | 759 | 503 | 9492 |
| 1992-93 | 463 | 436 | 570 | 798 | 952 | 1001 | 1170 | 941 | 983 | 824 | 706 | 528 | 9372 |
| 1993-94 | 398 | 373 | 472 | 699 | 797 | 1022 | 1021 | 935 | 1187 | 935 | 796 | 574 | 9209 |
| 1994-95 | 435 | 360 | 510 | 796 | 886 | 1082 | 1192 | 977 | 1155 | 962 | 753 | 555 | 9663 |
| 1995-96 | 430 | 443 | 444 | 737 | 978 | 955 | 1077 | 1027 | 865 | 872 | 670 | 576 | 9074 |
| 1996-97 | 426 | 406 | 566 | 777 | 828 | 1081 | 1128 | 925 | 1123 | 896 | 641 | 501 | 9298 |
| 1997-98 | 356 | 296 | 491 | 746 | 876 | 1208 | 1248 | 1030 | 903 | 829 | 752 | 520 | 9255 |
| 1998-99 | 422 | 417 | 546 | 785 | 911 | 1135 | 1165 | 1255 | 1224 | 973 | 837 | 595 | 10265 |
| 1999-00 | 445 | 468 | 539 | 875 | 971 | 1354 | 1410 | 920 | 1028 | 943 | 810 | 540 | 10303 |
| 2000-01 | 481 | 402 | 529 | 760 | 838 | 905 | 1093 | 899 | 1073 | 865 | 860 | 528 | 9233 |
| 2001-02 | 403 | 360 | 522 | 793 | 921 | 1187 | 1047 | 1079 | 973 | 844 | 676 | 490 | 9295 |
| 2002-03 | 393 | 371 | 468 | 643 | 784 | 1054 | 976 | 785 | 1091 | 825 | 685 | 501 | 8576 |
| 2003-04 | 422 | 356 | 494 | 713 | 829 | 1096 | 1212 | 934 | 1116 | 907 | 667 | 501 | 9247 |
| 2004-05 | 374 | 320 | 476 | 685 | 873 | 1036 | 945 | 903 | 963 | 921 | 707 | 507 | 8710 |
| 2005- | 385 | 343 | 464 | 745 | 1043 | 952 | | | | | | | |

WBAN : 25624

COOLING DEGREE DAYS (base 65°F) 2005 COLD BAY, AK (CDB)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SNOWFALL (inches) 2005 COLD BAY, AK (CDB)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1976-77 | T | 0.0 | 0.0 | 6.9 | 10.4 | 24.2 | 4.8 | 7.5 | 27.0 | 7.1 | 3.6 | 0.0 | 91.5 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 9.4 | 15.0 | 4.8 | 14.4 | 13.9 | 16.4 | 3.5 | 0.1 | 0.0 | 77.5 |
| 1978-79 | 0.0 | 0.0 | T | 6.4 | 2.7 | 9.7 | 12.4 | 4.4 | 11.5 | 2.1 | 0.3 | 0.0 | 49.5 |
| 1979-80 | 0.0 | 0.0 | T | 0.3 | 15.2 | 10.5 | 14.1 | 11.1 | 23.7 | 13.6 | 1.1 | 0.0 | 89.6 |
| 1980-81 | 0.0 | 0.0 | T | 2.2 | 7.6 | 9.6 | 10.4 | 12.0 | 11.8 | 2.1 | 1.4 | 0.0 | 57.1 |
| 1981-82 | 0.0 | 0.0 | T | 5.5 | 13.2 | 14.0 | 34.6 | 5.8 | 15.7 | 5.6 | 1.0 | 0.0 | 95.4 |
| 1982-83 | 0.0 | 0.0 | T | 0.4 | 3.3 | 17.6 | 14.2 | 10.7 | 9.1 | 5.7 | T | 0.0 | 61.0 |
| 1983-84 | 0.0 | 0.0 | T | 4.0 | 27.4 | 2.6 | 14.3 | 54.3 | 4.3 | 7.6 | 1.4 | 0.0 | 115.9 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 5.3 | 10.6 | 6.9 | 4.2 | 8.2 | 28.6 | 8.8 | 1.5 | 0.4 | 74.5 |
| 1985-86 | 0.0 | 0.0 | T | 2.8 | 1.1 | 12.1 | 24.2 | 11.3 | 6.1 | 5.3 | 6.2 | 0.0 | 69.1 |
| 1986-87 | 0.0 | 0.0 | 0.0 | T | 7.6 | 7.2 | 12.4 | 10.5 | 20.3 | 7.6 | 1.0 | T | 66.6 |
| 1987-88 | 0.0 | 0.0 | 0.1 | 0.7 | 8.1 | 14.3 | 11.0 | 5.9 | 7.5 | 11.6 | 0.1 | 0.0 | 59.3 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.3 | 15.2 | 22.1 | 11.2 | 13.7 | 3.1 | 10.4 | 0.3 | 0.0 | 76.3 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.1 | 14.0 | 6.9 | 16.4 | 18.7 | 8.8 | 3.9 | 0.6 | 0.0 | 69.4 |
| 1990-91 | 0.0 | 0.0 | T | 4.7 | 10.6 | 6.3 | 6.5 | 13.3 | 8.4 | 2.8 | 0.5 | T | 53.1 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.8 | 3.3 | 19.9 | 7.2 | 5.0 | 8.0 | 1.9 | 1.8 | 0.0 | 47.9 |
| 1992-93 | 0.0 | 0.0 | T | 3.4 | 9.0 | 6.9 | 6.8 | 8.6 | 2.3 | 2.6 | T | 0.0 | 39.6 |
| 1993-94 | 0.0 | 0.0 | T | T | 5.9 | 16.0 | 5.9 | 6.0 | 27.9 | 3.2 | 2.5 | 0.0 | 67.4 |
| 1994-95 | 0.0 | 0.0 | T | 4.1 | 13.8 | 10.7 | 13.2 | 10.1 | 10.8 | 4.7 | 1.0 | 0.0 | 68.4 |
| 1995-96 | 0.0 | 0.0 | 0.0 | T | 3.3 | T | 8.1 | 19.3 | 2.1 | 5.0 | T | T | 37.8 |
| 1996-97 | 0.0 | 0.0 | 0.2 | 0.3 | 3.5 | 8.3 | 8.9 | 3.3 | 6.9 | 4.3 | 0.0 | 0.0 | 35.7 |
| 1997-98 | 0.0 | 0.0 | T | 0.6 | 10.3 | 30.0 | 8.9 | 4.0 | 10.2 | 6.3 | 1.0 | 0.0 | 71.3 |
| 1998-99 | 0.0 | T | 0.0 | 8.2 | 20.4 | 12.3 | 23.8 | 30.1 | 44.6 | 11.3 | 3.7 | 0.0 | 154.4 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 14.2 | 8.4 | 28.0 | 57.1 | 28.1 | 15.0 | 14.9 | 1.6 | 0.0 | 167.3 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 1.1 | 4.6 | 7.5 | 20.6 | 11.3 | 13.4 | 17.9 | 3.2 | 0.0 | 79.6 |
| 2001-02 | 0.0 | 0.0 | T | 8.0 | 6.6 | 28.2 | 10.1 | 28.3 | 1.6 | 0.9 | T | 0.0 | 83.7 |
| 2002-03 | 0.0 | 0.0 | 0.0 | T | 2.7 | 11.1 | 9.5 | 2.8 | 6.4 | 2.5 | 0.8 | 0.0 | 35.8 |
| 2003-04 | 0.0 | 0.0 | T | 2.9 | 12.1 | 23.8 | 30.9 | 7.1 | 20.3 | 4.5 | 0.0 | 0.0 | 101.6 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 1.2 | 9.3 | 21.9 | 1.5 | 6.1 | 11.4 | 5.2 | 0.5 | 0.0 | 57.1 |
| 2005- | 0.0 | 0.0 | T | 0.4 | 16.8 | 3.0 | | | | | | | |
| POR= 54 YRS | T | 0.0 | 0.0 | 3.1 | 8.3 | 11.3 | 11.9 | 11.5 | 10.9 | 6.0 | 1.7 | 0.0 | 64.7 |

WBAN : 25624

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 (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.</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> |
|---|--|

2005
COLD BAY,
ALASKA (CDB)

The station at Cold Bay is located approximately 30 miles from the end of the Alaskan Peninsula on the northwest side of Cold Bay. Ten miles south-southwest of the station, Frosty Peak rises to an elevation of 6,700 feet. Across the bay to the east several mountains rise to elevations in excess of 5,000 feet. The mountains to the east and southwest provide a sheltering effect from winds and precipitation approaching from these directions. Winds reaching the station from southwesterly or easterly directions rarely exceed 15 mph. The open bay area to the south-southeastward tends to provide a funneling effect upon all winds approaching the Cold Bay area from the southwest to the southeast. From west to the northeast the land is relatively flat with numerous lakes and swamps. Winds from northerly directions are influenced very little by this flat terrain.

The high frequency of cyclonic storms crossing the Northern Pacific and the Bering Sea are the dominant factors in the weather at Cold Bay. These storms account for the high winds and the frequent occurrences of low ceilings and low visibilities encountered at this station. The winds generally result from the strong pressure gradient developing between the Pacific High and the cyclonic storms in the Northern Pacific and Bering Sea.

The climate at Cold Bay is basically maritime, due to the nearness to extensive open ocean areas, and temperature extremes, both seasonal and diurnal,

are generally confined to fairly narrow limits. Differences between maximum and minimum temperatures for all individual months average less than 10 degrees. Although it is practically impossible for cold, continental air masses to reach the Cold Bay area by moving overland along the somewhat narrow Alaskan Peninsula, air overlying the frozen ocean surface of the Bering Sea may take on continental characteristics and bring rather cold temperatures to the area. Although below-zero readings have been recorded from December to March, inclusive, below-zero readings are infrequent.

Due to the moderating effects of nearby ocean areas, it is difficult to define the seasonal periods at Cold Bay. The beginning of spring is late. The vegetation does not begin to grow until late May or early June. August is regarded as the midsummer period and autumn arrives in early October. The greatest frequency of fog usually comes in the summer season, with the foggy period extending from mid-July to mid-September. During the winter months visibilities are frequently restricted due to blowing snow. Precipitation is frequent but not abundant. The shortest day of the year at Cold Bay has 7 hours and 7 minutes of possible sunshine, the longest day has 17 hours and 27 minutes of possible sunshine.

STATION LOCATION

COLD BAY, ALASKA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * REMARKS |
|--|---------------|-------------|---|-------------------|-------------------|-----------------------------|-----------------|----------------------|---------------|-----------------|---------------|----------|------------------|---|--|--|
| | | | | | | SEA LEVEL GROUND SURFACE | GROUND | | | | | | | | HYGROMETER | |
| | | | | | | | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE | WINDHOLE | 8 INCH RAIN GAGE | | | |
| *NOTE: <u>AIRPORT</u> | | | | | | | | | | | | | | | | |
| Cold Bay Airport | 8/4/55 | 4/21/61 | 0.25 mi. N | 55°12' | 162°43' | 90 | 28 a88 | 6 | 6 | | | | 4 | WB station established. a. Anemometer raised, wind vane at 35' effective 3/6/56. | | |
| IFSS Building #400 Cold Bay Airport | 4/21/61 | 07/01/98 | 2000 ft. SSE | 55°12' | 162°43' | 94 b84 f96 | 85 c21 | 6 b6 d6 g | 6 b6 d5 h Unk | | | 4 d5 i5 | 4 d4 i4 | e4 j4 | b. Instrument shelter moved 106' N to lower ground 9/1/62. c. Moved to runway intersection 11/13/62. d. Minor relocation 11/18/62. e. Commissioned 515' SW of thermometer site 8/9/63. f. Effective 8/9/63. g. Removed 8/8/77. h. Effective 8/8/77. i. Moved 231' S 5/10/83. j. Type change 10/2/85. | |
| Cold Bay Airport | 07/01/98 | Present | NA | 55°12' | 162°43' | k95 | | | | | | | | S ASOS Commissioned 07/01/98 k. Ground Elevation | | |

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* NOTES: For earlier station history see previous editions.