

1998

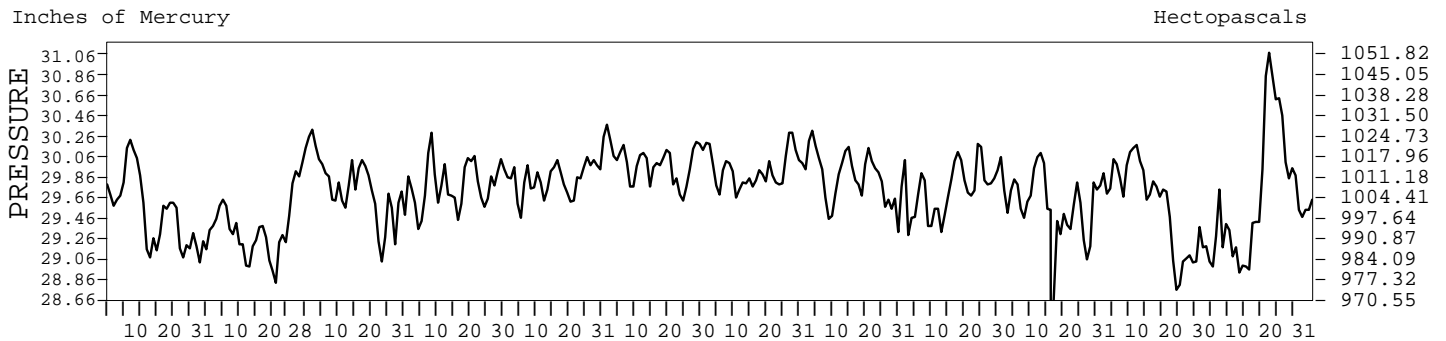
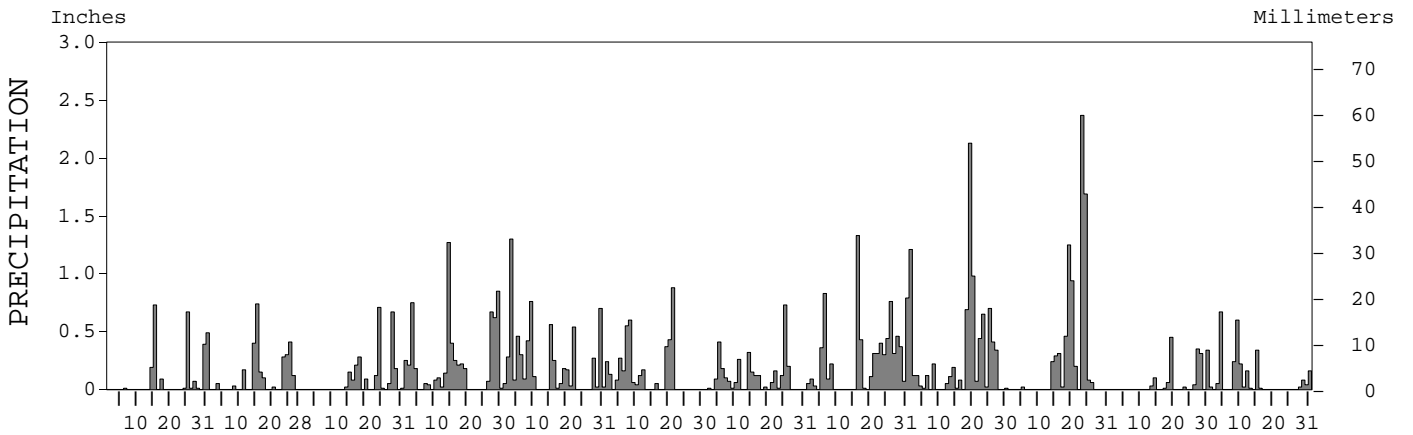
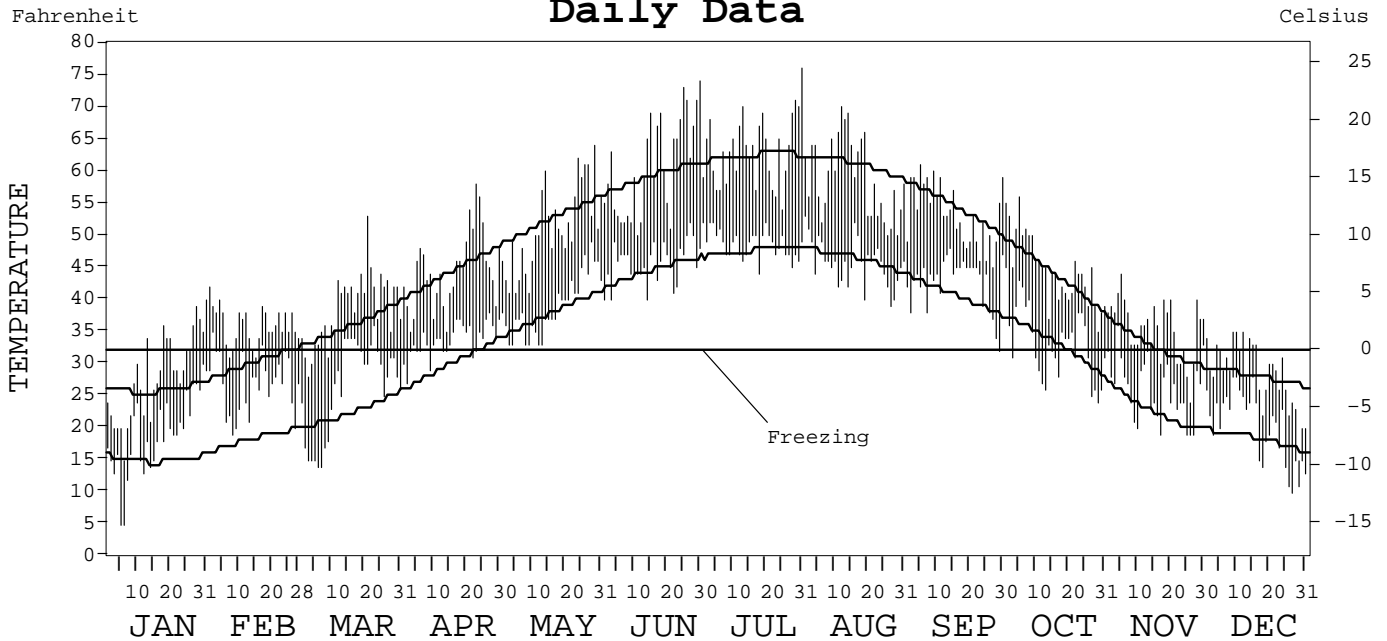
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-0440

VALDEZ,
ALASKA (VWS)

Daily Data



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Thomas R. Karl

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

METEOROLOGICAL DATA FOR 1998

VALDEZ, AK (VWS)

LATITUDE: 61° 08' 0" N LONGITUDE: 146° 21' 0" W ELEVATION (FT): GRND: 37 BARO: 52 TIME ZONE: ALASKA (UTC+ 9) WBAN: 26442

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|---|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 28.2 | 36.0 | 38.6 | 44.6 | 51.2 | 60.8 | 63.3 | 59.0 | 53.3 | 44.6 | 35.5 | 28.4 | 45.3 | |
| | HIGHEST DAILY MAXIMUM | 40 | 42 | 53 | 58 | 64 | 74 | 76 | 70 | 61 | 56 | 44 | 35 | 76 | |
| | DATE OF OCCURRENCE | 31 | 01 | 21 | 23 | 29 | 30 | 31 | 12 | 05 | 05 | 05 | 12+ | JUL 31 | |
| | MEAN DAILY MINIMUM | 19.0 | 26.9 | 26.3 | 33.7 | 39.0 | 45.7 | 48.6 | 45.7 | 42.7 | 33.3 | 26.0 | 20.2 | 33.9 | |
| | LOWEST DAILY MINIMUM | 5 | 19 | 14 | 27 | 33 | 40 | 44 | 39 | 32 | 24 | 19 | 10 | 5 | |
| | DATE OF OCCURRENCE | 06+ | 08 | 07+ | 02 | 13+ | 14+ | 18 | 27 | 29 | 29 | 27+ | 27 | JAN 06+ | |
| | AVERAGE DRY BULB | 23.6 | 31.5 | 32.5 | 39.2 | 45.1 | 53.3 | 56.0 | 52.4 | 48.0 | 39.0 | 30.8 | 24.3 | 39.6 | |
| | MEAN WET BULB | 21.2 | 28.9 | 29.2 | 36.2 | 42.1 | 49.5 | 52.5 | 49.6 | 45.5 | | 27.9 | 21.9 | | |
| | MEAN DEW POINT | 13.8 | 23.8 | 22.8 | 31.9 | 38.4 | 46.2 | 50.0 | 47.2 | 43.1 | | 22.1 | 14.4 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 70° | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 9 |
| | MAXIMUM ≤ 32° | 22 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 23 | 60 | |
| | MINIMUM ≤ 32° | 31 | 26 | 24 | 10 | 0 | 0 | 0 | 0 | 1 | 15 | 28 | 31 | 166 | |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 1276 | 935 | 1002 | 768 | 611 | 347 | 273 | 383 | 503 | 802 | 1020 | 1254 | 9174 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| RH | MEAN (PERCENT) | 67 | 74 | 71 | 78 | 79 | 80 | 83 | 85 | 87 | 69 | 71 | 67 | 76 | |
| | HOUR 03 LST | 67 | 75 | 75 | 85 | 89 | 93 | 95 | 96 | 93 | 74 | 74 | 67 | 82 | |
| | HOUR 09 LST | 67 | 76 | 72 | 75 | 79 | 80 | 85 | 87 | 91 | 72 | 74 | 67 | 77 | |
| | HOUR 15 LST | 66 | 69 | 61 | 69 | 69 | 69 | 71 | 72 | 75 | 59 | 65 | 66 | 68 | |
| | HOUR 21 LST | 70 | 75 | 75 | 81 | 80 | 79 | 83 | 88 | 90 | 72 | 71 | 67 | 78 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 5 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| CLOUDINESS | AVG. SKY COVER (OKTAS) | | | | | | | | | | | | | | |
| | SUNRISE - SUNSET | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 6 | 6 | |
| | MIDNIGHT - MIDNIGHT | 6 | 6 | 5 | | | 7 | 7 | 7 | 7 | 5 | 6 | 6 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | 4 | 2 | 5 | 4 | 1 | 1 | 3 | 3 | 0 | 7 | 4 | 7 | 41 | |
| PARTLY CLOUDY | 6 | 5 | 10 | 5 | 7 | 10 | 4 | 5 | 5 | 8 | 5 | 4 | 74 | | |
| CLOUDY | 21 | 21 | 16 | 21 | 23 | 19 | 24 | 23 | 25 | 16 | 21 | 20 | 250 | | |
| PR | MEAN STATION PRESS. (IN.) | 29.51 | 29.35 | 29.79 | 29.79 | 29.87 | 30.01 | 29.94 | 29.85 | 29.76 | | 29.54 | 29.69 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.56 | 29.39 | 29.83 | 29.83 | 29.91 | 30.06 | 29.99 | 29.90 | 29.80 | | 29.59 | 29.74 | | |
| WINDS | RESULTANT SPEED (MPH) | 6.9 | 3.9 | 2.0 | 0.7 | 2.5 | 3.9 | 3.3 | 2.0 | 0.4 | | 4.3 | 6.8 | | |
| | RES. DIR. (TENS OF DEGS.) | 06 | 06 | 05 | 25 | 25 | 25 | 25 | 26 | 23 | | 06 | 07 | | |
| | MEAN SPEED (MPH) | 9.8 | 6.0 | 4.7 | 4.4 | 5.1 | 5.3 | 4.8 | 4.1 | 3.4 | 6.3 | 5.6 | 8.1 | 5.6 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 06 | 06 | 06 | 23 | 24 | 24 | 24 | 24 | 24 | 06 | 06 | 06 | 06 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 40 | 18 | 18 | 22 | 16 | 22 | 18 | 18 | 24 | 24 | 17 | 25 | 40 | |
| | DIR. (TENS OF DEGS.) | 35 | 09 | 05 | 10 | 29 | 28 | 28 | 27 | 09 | 13 | 06 | 12 | 35 | |
| | DATE OF OCCURRENCE | 02 | 22 | 03 | 01 | 31+ | 20+ | 14+ | 25 | 30 | 05 | 18+ | 28 | JAN 02 | |
| | PEAK GUST : | | | | | | | | | | | | | | |
| | SPEED (MPH) | 61 | 28 | 30 | 32 | 25 | 26 | 28 | 30 | 36 | 35 | 29 | 38 | 61 | |
| DIR. (TENS OF DEGS.) | N | E | N | E | W | W | W | NE | E | E | E | SE | N | | |
| DATE OF OCCURRENCE | 03 | 08 | 30 | 01 | 30 | 15+ | 06+ | 28 | 30 | 08+ | 15 | 28+ | JAN 03 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 2.67 | 2.77 | 2.58 | 6.57 | 6.65 | 4.15 | 3.20 | 8.07 | 8.71 | 7.93 | 1.71 | 2.64 | 57.65 | |
| | GREATEST 24-HOUR (IN.) | 0.92 | 0.93 | 0.71 | 1.27 | 1.33 | 0.88 | 0.77 | 1.33 | 2.41 | 2.76 | 0.45 | 0.67 | 2.76 | |
| | DATE OF OCCURRENCE | 14-15 | 14-15 | 24 | 14 | 03-04 | 21 | 25-26 | 16 | 19-20 | 23-24 | 19 | 04 | OCT 23-24 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 11 | 12 | 13 | 21 | 22 | 15 | 20 | 22 | 23 | 13 | 10 | 15 | 197 | | |
| PRECIPITATION ≥ 0.10 | 5 | 9 | 7 | 15 | 14 | 11 | 12 | 16 | 15 | 9 | 5 | 7 | 125 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 8 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 43.5 | 35.2 | 20.0 | 20.1 | 10.7 | 0.0 | 0.0 | 0.0 | T | 1.0 | 17.0 | 50.1 | 197.6 | |
| | GREATEST 24-HOUR (IN.) | 17.4 | 13.7 | 14.2 | 9.0 | 8.9 | 0.0 | 0.0 | 0.0 | T | 0.6 | 7.1 | 19.3 | 19.3 | |
| | DATE OF OCCURRENCE | 14-15 | 14-15 | 28-29 | 02-03 | 03-04 | | | | 27 | 26 | 27-28 | 03-04 | DEC 03-04 | |
| | MAXIMUM SNOW DEPTH (IN.) | 40 | 45 | 36 | 26 | 7 | 0 | 0 | 0 | 0 | T | 6 | 19 | 45 | |
| | DATE OF OCCURRENCE | 25 | 15 | 01 | 03 | 04 | | | | | 27 | 29+ | 16+ | FEB 15 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 6 | 8 | 3 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 38 | | |

NORMALS, MEANS, AND EXTREMES

VALDEZ, AK (VWS)

LATITUDE: 61° 08' 0 " N LONGITUDE: 146° 21' 0 " W ELEVATION (FT): GRND: 37 BARO: 52 TIME ZONE: ALASKA (UTC+ 9) WBAN: 26442

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 25.9 | 30.0 | 35.9 | 44.2 | 52.5 | 59.1 | 62.3 | 60.8 | 54.1 | 43.4 | 32.4 | 27.8 | 44.0 |
| | MEAN DAILY MAXIMUM | 23 | 28.5 | 30.7 | 36.8 | 44.8 | 53.3 | 59.7 | 62.2 | 60.6 | 53.3 | 43.2 | 32.7 | 29.3 | 44.6 |
| | HIGHEST DAILY MAXIMUM | 27 | 46 | 52 | 53 | 62 | 78 | 86 | 85 | 82 | 74 | 58 | 50 | 52 | 86 |
| | YEAR OF OCCURRENCE | | 1991 | 1991 | 1998 | 1995 | 1993 | 1997 | 1979 | 1994 | 1996 | 1995 | 1977 | 1983 | JUN 1997 |
| | MEAN OF EXTREME MAXS. | 23 | 39.6 | 41.7 | 46.0 | 55.5 | 65.9 | 72.7 | 74.8 | 74.5 | 65.3 | 54.0 | 42.5 | 40.7 | 56.1 |
| | NORMAL DAILY MINIMUM | 30 | 15.0 | 18.1 | 22.4 | 29.9 | 37.8 | 44.4 | 47.5 | 46.2 | 40.4 | 32.7 | 22.4 | 18.0 | 31.2 |
| | MEAN DAILY MINIMUM | 23 | 19.9 | 20.9 | 25.1 | 31.4 | 39.2 | 45.3 | 48.2 | 46.5 | 41.2 | 33.5 | 24.1 | 20.8 | 33.0 |
| | LOWEST DAILY MINIMUM | 27 | -20 | -5 | -6 | 5 | 21 | 31 | 33 | 32 | 25 | 8 | 1 | -6 | -20 |
| | YEAR OF OCCURRENCE | | 1972 | 1990 | 1972 | 1972 | 1972 | 1972 | 1972 | 1984 | 1983 | 1975 | 1989 | 1980 | JAN 1972 |
| | MEAN OF EXTREME MINS. | 23 | 4.5 | 6.9 | 13.1 | 21.8 | 33.0 | 39.3 | 43.1 | 39.8 | 32.4 | 22.6 | 12.2 | 6.4 | 22.9 |
| | NORMAL DRY BULB | 30 | 20.5 | 24.1 | 29.2 | 37.1 | 45.2 | 51.8 | 54.9 | 53.5 | 47.2 | 38.1 | 27.4 | 22.9 | 37.7 |
| | MEAN DRY BULB | 23 | 24.2 | 25.9 | 30.9 | 38.1 | 46.2 | 52.5 | 55.2 | 53.5 | 47.2 | 38.3 | 28.4 | 25.0 | 38.8 |
| | MEAN WET BULB | 15 | 22.3 | 23.7 | 27.5 | 34.6 | 42.3 | 48.7 | 51.9 | 50.3 | 44.5 | 34.8 | 25.3 | 24.7 | 35.9 |
| | MEAN DEW POINT | 15 | 16.6 | 17.1 | 19.9 | 28.4 | 37.2 | 44.8 | 49.2 | 47.6 | 41.4 | 28.7 | 18.3 | 19.1 | 30.7 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 70° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| MAXIMUM ≤ 32° | 30 | 17.1 | 12.9 | 5.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 12.7 | 18.1 | 68.9 | |
| MINIMUM ≤ 32° | 30 | 29.0 | 26.8 | 29.3 | 18.6 | 1.1 | 0.0 | 0.0 | 0.1 | 1.3 | 11.4 | 27.5 | 29.7 | 174.8 | |
| MINIMUM ≤ 0° | 30 | 1.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 2.1 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1380 | 1145 | 1110 | 837 | 614 | 396 | 313 | 357 | 534 | 834 | 1128 | 1305 | 9953 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RH | NORMAL (PERCENT) | 30 | 78 | 72 | 73 | 72 | 75 | 78 | 83 | 85 | 84 | 78 | 74 | 77 | 77 |
| | HOUR 03 LST | 30 | 79 | 75 | 77 | 81 | 87 | 90 | 93 | 94 | 91 | 82 | 75 | 77 | 83 |
| | HOUR 09 LST | 30 | 76 | 75 | 75 | 73 | 76 | 79 | 84 | 86 | 87 | 80 | 75 | 77 | 79 |
| | HOUR 15 LST | 30 | 75 | 69 | 66 | 63 | 64 | 67 | 71 | 73 | 74 | 73 | 71 | 76 | 70 |
| | HOUR 21 LST | 30 | 78 | 73 | 76 | 75 | 74 | 77 | 83 | 87 | 87 | 79 | 74 | 76 | 78 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY≤1/4 MI) | 21 | 0.9 | 1.2 | 0.6 | 0.3 | 0.1 | 0.3 | 3.1 | 4.1 | 2.3 | 1.0 | 1.1 | 1.0 | 16.0 |
| | THUNDERSTORMS | 21 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.1 | 0.4 | 0.1 | 0.1 | 0.0 | 1.1 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 19 | 6.1 | 6.0 | 5.5 | 5.9 | 6.1 | 6.4 | 6.6 | 6.2 | 6.4 | 6.1 | 5.7 | 6.3 | 6.1 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 21 | 5.8 | 5.5 | 5.4 | 5.7 | 6.1 | 6.4 | 6.6 | 6.2 | 6.2 | 6.2 | 5.5 | 5.8 | 6.0 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 19 | 5.7 | 5.9 | 7.8 | 5.8 | 4.0 | 3.1 | 3.1 | 4.1 | 3.1 | 5.0 | 5.8 | 4.8 | 58.2 | |
| PARTLY CLOUDY | 19 | 3.6 | 2.7 | 4.0 | 5.0 | 5.8 | 5.9 | 4.3 | 5.2 | 4.6 | 3.3 | 3.7 | 2.0 | 50.1 | |
| CLOUDY | 19 | 21.7 | 19.7 | 19.1 | 19.4 | 21.3 | 20.9 | 22.2 | 20.3 | 20.9 | 21.4 | 19.1 | 22.7 | 248.7 | |
| PR | MEAN STATION PRESSURE(IN) | 19 | 29.66 | 29.76 | 29.75 | 29.80 | 29.90 | 29.93 | 29.99 | 29.93 | 29.83 | 29.68 | 29.61 | 29.67 | 29.79 |
| | MEAN SEA-LEVEL PRES. (IN) | 15 | 29.70 | 29.80 | 29.81 | 29.83 | 29.93 | 29.97 | 30.03 | 29.97 | 29.87 | 29.72 | 29.66 | 29.67 | 29.83 |
| WINDS | MEAN SPEED (MPH) | 17 | 7.5 | 8.4 | 6.7 | 5.0 | 5.8 | 5.9 | 5.1 | 4.2 | 5.0 | 6.6 | 7.8 | 6.7 | 6.2 |
| | PREVAIL.DIR.(TENS OF DEGS) | 18 | 07 | 06 | 06 | 24 | 24 | 24 | 24 | 24 | 24 | 06 | 06 | 06 | 06 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 21 | 58 | 56 | 46 | 46 | 30 | 35 | 24 | 32 | 46 | 40 | 53 | 54 | 58 |
| | DIR. (TENS OF DEGS) | | 36 | 34 | 35 | 01 | 03 | 03 | 28 | 36 | 01 | 01 | 01 | 35 | 36 |
| | YEAR OF OCCURRENCE | | 1989 | 1979 | 1996 | 1996 | 1996 | 1996 | 1989 | 1987 | 1988 | 1989 | 1978 | 1979 | JAN 1989 |
| PEAK GUST : | | | | | | | | | | | | | | | |
| SPEED (MPH) | 19 | 94 | 83 | 82 | 63 | 52 | 56 | 41 | 56 | 69 | 69 | 77 | 75 | 94 | |
| DIR. (TENS OF DEGS) | | N | NE | NE | N | NE | NE | N | N | SW | N | N | N | N | |
| YEAR OF OCCURRENCE | | 1980 | 1995 | 1995 | 1996 | 1996 | 1996 | 1987 | 1984 | 1992 | 1997 | 1995 | 1990 | JAN 1980 | |
| PRECIPITATION | NORMAL (IN) | 30 | 5.60 | 5.13 | 4.70 | 3.16 | 3.83 | 3.08 | 3.84 | 5.96 | 8.37 | 8.07 | 5.50 | 6.80 | 64.04 |
| | MAXIMUM MONTHLY (IN) | 27 | 12.53 | 14.47 | 9.99 | 8.11 | 6.65 | 6.05 | 8.96 | 18.23 | 16.69 | 15.43 | 20.59 | 17.34 | 20.59 |
| | YEAR OF OCCURRENCE | | 1981 | 1996 | 1979 | 1977 | 1998 | 1987 | 1981 | 1981 | 1982 | 1979 | 1976 | 1989 | NOV 1976 |
| | MINIMUM MONTHLY (IN) | 27 | 0.01 | 0.57 | 0.81 | 0.57 | 0.70 | 0.93 | 1.25 | 2.08 | 2.78 | 2.49 | 0.42 | 1.34 | 0.01 |
| | YEAR OF OCCURRENCE | | 1974 | 1989 | 1983 | 1981 | 1996 | 1983 | 1993 | 1987 | 1973 | 1990 | 1975 | 1983 | JAN 1974 |
| | MAXIMUM IN 24 HOURS (IN) | 21 | 3.75 | 3.05 | 2.20 | 2.03 | 2.23 | 1.71 | 1.98 | 3.42 | 3.26 | 3.96 | 3.42 | 3.05 | 3.96 |
| | YEAR OF OCCURRENCE | | 1981 | 1996 | 1981 | 1989 | 1994 | 1989 | 1981 | 1981 | 1982 | 1983 | 1992 | 1985 | OCT 1983 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 18.1 | 14.4 | 15.4 | 13.9 | 17.1 | 15.9 | 16.8 | 17.5 | 20.6 | 20.3 | 15.9 | 17.7 | 203.6 | |
| PRECIPITATION ≥ 1.00 | 30 | 1.6 | 1.5 | 0.7 | 0.6 | 0.0 | 0.4 | 0.5 | 1.5 | 3.0 | 2.9 | 1.6 | 3.1 | 17.4 | |
| SNOWFALL | NORMAL (IN) | 30 | 60.6 | 50.8 | 53.4 | 22.3 | 0.6 | 0.0 | 0.0 | 0.0 | T | 11.7 | 39.2 | 77.1 | 315.7 |
| | MAXIMUM MONTHLY (IN) | 27 | 148.5 | 180.0 | 113.9 | 71.4 | 10.7 | 0.0 | 0.0 | 0.0 | 6.0 | 39.0 | 108.2 | 137.1 | 180.0 |
| | YEAR OF OCCURRENCE | | 1990 | 1996 | 1985 | 1977 | 1998 | | | | 1996 | 1983 | 1994 | 1991 | FEB 1996 |
| | MAXIMUM IN 24 HOURS (IN) | 21 | 47.5 | 38.1 | 41.5 | 33.3 | 8.9 | 0.0 | 0.0 | 0.0 | 5.4 | 15.3 | 26.5 | 29.2 | 47.5 |
| | YEAR OF OCCURRENCE | | 1990 | 1996 | 1995 | 1992 | 1998 | | | | 1996 | 1982 | 1994 | 1981 | JAN 1990 |
| | MAXIMUM SNOW DEPTH (IN) | 22 | 107 | 94 | 104 | 88 | 51 | 0 | 0 | 0 | 1 | 12 | 41 | 60 | 107 |
| YEAR OF OCCURRENCE | | 1990 | 1990 | 1990 | 1990 | 1977 | | | | 1996 | 1982 | 1994 | 1994 | JAN 1990 | |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 10.5 | 8.5 | 10.1 | 5.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 8.5 | 12.2 | 58.0 | |

PRECIPITATION (inches) 1998 VALDEZ, AK (VWS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|-------|-------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| 1972 | 1.76 | 2.66 | 3.61 | | 4.35 | 2.78 | 1.44 | 3.19 | | | 6.85 | 1.52 | |
| 1973 | 4.63 | 3.07 | 3.43 | 3.75 | 2.51 | 3.22 | 1.68 | 9.35 | 2.78 | 4.35 | 2.43 | 3.35 | 44.55 |
| 1974 | 0.01 | 5.21 | 1.55 | 5.93 | 0.79 | 2.08 | 2.34 | 4.22 | 7.59 | 12.90 | 9.78 | 6.42 | 58.82 |
| 1975 | 5.24 | 3.98 | 2.00 | 5.42 | 1.95 | 2.74 | 4.30 | 3.41 | 12.83 | 5.51 | 0.42 | 6.36 | 54.16 |
| 1976 | 7.00 | 2.27 | 3.80 | 5.47 | 2.53 | 1.00 | 1.87 | 3.03 | 12.58 | 9.53 | 20.59 | 8.29 | 77.96 |
| 1977 | 11.76 | 7.95 | 3.45 | 8.11 | 2.89 | 1.81 | 2.24 | 2.50 | 12.53 | 5.81 | 0.70 | 2.66 | 62.41 |
| 1978 | 4.18 | 6.18 | 2.14 | 1.25 | 2.14 | 3.28 | 3.81 | 2.17 | 4.94 | 15.38 | 3.27 | 6.07 | 54.81 |
| 1979 | 2.66 | 1.00 | 9.99 | 1.09 | 1.09 | 2.91 | 6.04 | 6.20 | 8.05 | 15.43 | 13.82 | 5.14 | 73.42 |
| 1980 | 8.56 | 9.64 | 3.27 | 2.90 | 3.32 | 3.22 | 7.70 | 6.72 | 4.78 | 9.21 | 4.73 | 5.08 | 69.13 |
| 1981 | 12.53 | 7.13 | 6.87 | 0.57 | 1.87 | 4.57 | 8.96 | 18.23 | 6.24 | 11.80 | 6.76 | 7.77 | 93.30 |
| 1982 | 0.99 | 1.77 | 5.42 | 2.44 | 1.22 | 3.27 | 4.83 | 2.73 | 16.69 | 8.10 | 5.15 | 8.96 | 61.57 |
| 1983 | 3.10 | 3.24 | 0.81 | 7.15 | 2.06 | 0.93 | 6.32 | 10.53 | 7.91 | 14.15 | 1.94 | 1.34 | 59.48 |
| 1984 | 10.55 | 7.37 | 3.89 | 3.06 | 0.71 | 3.63 | 3.99 | 6.12 | 5.00 | 6.01 | 4.21 | 6.51 | 61.05 |
| 1985 | 10.30 | 5.38 | 8.20 | 2.78 | 4.74 | 2.09 | 1.86 | 7.36 | 10.59 | 3.77 | 2.49 | 16.87 | 76.43 |
| 1986 | 7.21 | 7.34 | 3.59 | 1.72 | 1.86 | 1.40 | 5.27 | 7.64 | 4.93 | 8.57 | 7.15 | 15.73 | 72.41 |
| 1987 | 12.42 | 5.65 | 1.24 | 1.63 | 3.85 | 6.05 | 2.84 | 2.08 | 10.61 | 15.33 | 6.49 | 8.69 | 76.88 |
| 1988 | 4.33 | 9.76 | 9.52 | 5.29 | 2.76 | 5.04 | 3.46 | 12.78 | 9.31 | 11.02 | 2.59 | 15.11 | 90.97 |
| 1989 | 6.01 | 0.57 | 1.49 | 5.30 | 5.99 | 5.88 | 3.18 | 6.66 | 16.43 | 9.21 | 8.06 | 17.34 | 86.12 |
| 1990 | 9.51 | 5.90 | 7.88 | 3.08 | 2.34 | 3.04 | 3.14 | 5.66 | 16.05 | 2.49 | 0.97 | 7.31 | 67.37 |
| 1991 | 6.47 | 6.13 | 4.50 | 4.82 | 4.30 | 2.02 | 4.01 | 5.68 | 11.07 | 5.12 | 3.89 | 9.58 | 67.59 |
| 1992 | 9.55 | 9.01 | 9.88 | 2.80 | 1.88 | 3.11 | 3.63 | 8.96 | 6.01 | 10.47 | 14.25 | 5.59 | 85.14 |
| 1993 | 7.06 | 7.93 | 2.62 | 1.57 | 2.86 | 1.59 | 1.25 | 13.18 | 16.16 | 11.90 | 8.64 | 10.28 | 85.04 |
| 1994 | 4.62 | 2.44 | 9.81 | 3.79 | 6.28 | 2.58 | 2.62 | 3.34 | 9.94 | 7.62 | 7.85 | 8.41 | 69.30 |
| 1995 | 5.86 | 3.23 | 4.60 | 2.10 | 6.29 | 3.36 | 4.94 | 3.04 | 14.21 | 3.61 | 1.41 | 2.68 | 55.33 |
| 1996 | 0.23 | 14.47 | 3.33 | 2.49 | 0.70 | 2.81 | 4.91 | 7.78 | 6.63 | 4.70 | 1.46 | 1.42 | 50.93 |
| 1997 | 4.91 | 8.40 | 1.33 | 1.53 | 3.50 | 2.94 | 2.45 | 13.34 | 10.55 | 3.59 | 7.16 | 8.45 | 68.15 |
| 1998 | 2.67 | 2.77 | 2.58 | 6.57 | 6.65 | 4.15 | 3.20 | 8.07 | 8.71 | 7.93 | 1.71 | 2.64 | 57.65 |
| POR= 27 YRS | 6.08 | 5.57 | 4.48 | 3.56 | 3.02 | 3.02 | 3.77 | 6.77 | 9.66 | 8.59 | 5.72 | 7.31 | 67.55 |

WBAN : 26442

AVERAGE TEMPERATURE (°F) 1998 VALDEZ, AK (VWS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1972 | 12.0 | 19.0 | 20.7 | 28.8 | 41.6 | 49.3 | 58.8 | 58.0 | | | 28.4 | 19.2 | |
| 1973 | 13.5 | 21.2 | 31.0 | 38.2 | 44.0 | 50.2 | 53.9 | 51.3 | 45.9 | 36.8 | 22.8 | 23.1 | 36.0 |
| 1974 | 14.6 | 21.1 | 26.9 | 37.5 | 47.2 | 52.5 | 54.7 | 55.2 | 49.5 | 38.1 | 33.8 | 25.1 | 38.0 |
| 1975 | 19.6 | 21.1 | 27.6 | 35.3 | 44.0 | 50.2 | 55.3 | 54.5 | 46.5 | 37.3 | 23.4 | 19.7 | 36.2 |
| 1976 | 22.3 | 19.4 | 29.0 | 36.5 | 43.6 | 52.8 | 55.6 | 53.6 | 46.2 | 36.7 | 33.7 | 28.2 | 38.1 |
| 1977 | 30.5 | 32.0 | 30.1 | 36.2 | 42.9 | 51.3 | 55.7 | 54.9 | 48.3 | 40.9 | 24.4 | 19.0 | 38.9 |
| 1978 | 26.7 | 28.8 | 31.9 | 39.7 | 46.2 | 50.5 | 52.8 | 55.3 | 48.4 | 38.3 | 29.4 | 24.7 | 39.4 |
| 1979 | 25.1 | 15.5 | 31.8 | 38.4 | 46.2 | 51.3 | 55.6 | 54.4 | 49.8 | 41.5 | 33.1 | 19.8 | 38.5 |
| 1980 | 21.1 | 29.8 | 31.5 | 39.5 | 44.9 | 51.3 | 54.6 | 51.9 | 47.0 | 38.8 | 33.9 | 14.5 | 38.2 |
| 1981 | 33.5 | 26.8 | 34.2 | 37.5 | 49.7 | 52.3 | 53.3 | 51.4 | 46.4 | 39.4 | 27.3 | 24.5 | 39.7 |
| 1982 | 15.4 | 23.6 | 29.3 | 35.5 | 45.0 | 51.7 | 54.1 | 54.1 | 46.4 | 34.1 | 27.3 | 26.0 | 36.9 |
| 1983 | 20.7 | 28.1 | 31.8 | 37.3 | 46.2 | 53.7 | 55.2 | 52.0 | 45.0 | 37.9 | 30.1 | 24.8 | 38.6 |
| 1984 | 24.1 | 26.3 | 35.1 | 38.6 | 47.2 | 52.6 | 54.5 | 54.3 | 47.8 | 39.3 | 27.0 | 26.1 | 39.4 |
| 1985 | 32.9 | 20.1 | 29.3 | 32.6 | 42.4 | 48.5 | 53.9 | 50.9 | 46.1 | 34.4 | 21.7 | 29.8 | 36.9 |
| 1986 | 28.0 | 27.5 | 27.7 | 32.1 | 46.1 | 52.0 | 55.3 | 50.8 | 48.3 | 40.6 | 27.7 | 31.1 | 38.9 |
| 1987 | 28.2 | 30.9 | 28.8 | 38.1 | 45.9 | 49.4 | 55.6 | 55.1 | 46.6 | 39.7 | 33.5 | 26.8 | 39.9 |
| 1988 | 25.2 | 28.1 | 33.5 | 38.2 | 45.6 | 52.2 | 54.6 | 52.5 | 46.5 | 38.8 | 28.3 | 27.2 | 39.2 |
| 1989 | 15.7 | 23.7 | 30.2 | 39.6 | 46.4 | 52.2 | 57.8 | 54.6 | 48.3 | 38.1 | 23.5 | 30.2 | 38.4 |
| 1990 | 21.0 | 15.5 | 32.6 | 40.3 | 47.5 | 53.9 | 55.6 | 54.5 | 47.7 | 38.7 | 22.0 | 23.6 | 37.7 |
| 1991 | 23.7 | 28.8 | 30.6 | 39.0 | 45.6 | 53.8 | 53.8 | 53.8 | 47.3 | 39.0 | 30.4 | 27.6 | 39.5 |
| 1992 | 29.4 | 25.2 | 29.5 | 38.4 | 45.9 | 53.4 | 55.3 | 51.4 | 43.3 | 35.6 | 31.1 | 23.0 | 38.5 |
| 1993 | 21.9 | 28.4 | 32.2 | 41.8 | 50.2 | 54.4 | 58.7 | 54.2 | 46.1 | 40.8 | 30.7 | 28.7 | 40.7 |
| 1994 | 24.8 | 21.2 | 30.7 | 39.3 | 45.3 | 53.9 | 55.2 | 56.4 | 47.8 | 39.3 | 23.9 | 24.7 | 38.5 |
| 1995 | 24.3 | 26.5 | 26.7 | 41.6 | 47.4 | 53.3 | 54.4 | 54.1 | 49.4 | 40.5 | 30.0 | 23.7 | 39.3 |
| 1996 | 15.8 | 24.3 | 32.8 | 38.5 | 49.9 | 54.8 | 56.2 | 53.8 | 46.4 | 34.7 | 25.1 | 25.2 | 38.1 |
| 1997 | 22.2 | 31.9 | 29.4 | 40.2 | 49.4 | 56.7 | 57.3 | 55.4 | 49.6 | 37.2 | 33.2 | 28.1 | 40.9 |
| 1998 | 23.6 | 31.5 | 32.5 | 39.2 | 45.1 | 53.3 | 56.0 | 52.4 | 48.0 | 39.0 | 30.8 | 24.3 | 39.6 |
| POR= 27 YRS | 22.9 | 25.1 | 30.3 | 37.5 | 45.8 | 52.1 | 55.3 | 53.7 | 47.2 | 38.2 | 28.3 | 24.7 | 38.4 |

HEATING DEGREE DAYS (base 65°F) 1998 VALDEZ, AK (VWS)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1972-73 | 222 | 213 | | | 1085 | 1411 | 1533 | 1212 | 1054 | 795 | 647 | 435 | |
| 1973-74 | 332 | 413 | 795 | 863 | 1258 | 1302 | 1558 | 1226 | 1176 | 825 | 565 | 369 | 10682 |
| 1974-75 | 312 | 298 | 457 | 828 | 1036 | 1230 | 1402 | 1223 | 1154 | 887 | 647 | 437 | 9911 |
| 1975-76 | 292 | 317 | 548 | 854 | 1241 | 1401 | 1319 | 1315 | 1107 | 848 | 655 | 358 | 10255 |
| 1976-77 | 285 | 346 | 558 | 873 | 934 | 1137 | 1060 | 920 | 1076 | 858 | 680 | 403 | 9130 |
| 1977-78 | 280 | 305 | 496 | 741 | 1210 | 1422 | 1181 | 1008 | 1021 | 754 | 575 | 429 | 9422 |
| 1978-79 | 374 | 294 | 491 | 820 | 1059 | 1244 | 1229 | 1379 | 1020 | 792 | 575 | 402 | 9679 |
| 1979-80 | 287 | 326 | 449 | 724 | 948 | 1397 | 1353 | 1016 | 1032 | 762 | 617 | 405 | 9316 |
| 1980-81 | 315 | 401 | 535 | 804 | 925 | 1561 | 970 | 1065 | 948 | 819 | 470 | 370 | 9183 |
| 1981-82 | 359 | 415 | 551 | 784 | 1122 | 1250 | 1531 | 1151 | 1101 | 880 | 612 | 392 | 10148 |
| 1982-83 | 330 | 332 | 552 | 951 | 1124 | 1200 | 1369 | 1029 | 1022 | 823 | 578 | 334 | 9644 |
| 1983-84 | 297 | 397 | 595 | 830 | 1039 | 1237 | 1260 | 1119 | 919 | 787 | 547 | 366 | 9393 |
| 1984-85 | 316 | 326 | 510 | 789 | 1134 | 1202 | 989 | 1252 | 1101 | 967 | 693 | 485 | 9764 |
| 1985-86 | 338 | 429 | 561 | 942 | 1294 | 1085 | 1140 | 1041 | 1150 | 979 | 577 | 384 | 9920 |
| 1986-87 | 295 | 433 | 494 | 752 | 1112 | 1046 | 1134 | 950 | 1115 | 799 | 589 | 464 | 9183 |
| 1987-88 | 295 | 298 | 546 | 778 | 939 | 1180 | 1229 | 1066 | 967 | 798 | 596 | 379 | 9071 |
| 1988-89 | 313 | 379 | 548 | 802 | 1097 | 1166 | 1521 | 1151 | 1072 | 757 | 569 | 377 | 9752 |
| 1989-90 | 219 | 316 | 496 | 829 | 1236 | 1072 | 1357 | 1378 | 995 | 733 | 534 | 327 | 9492 |
| 1990-91 | 288 | 320 | 510 | 805 | 1282 | 1277 | 1271 | 1009 | 1058 | 771 | 595 | 329 | 9515 |
| 1991-92 | 340 | 343 | 525 | 802 | 1028 | 1152 | 1100 | 1152 | 1093 | 792 | 583 | 343 | 9253 |
| 1992-93 | 296 | 412 | 644 | 903 | 1009 | 1296 | 1329 | 1018 | 1010 | 689 | 453 | 312 | 9371 |
| 1993-94 | 199 | 329 | 559 | 744 | 1022 | 1116 | 1238 | 1217 | 1058 | 764 | 607 | 327 | 9180 |
| 1994-95 | 299 | 261 | 508 | 791 | 1225 | 1243 | 1255 | 1073 | 1178 | 697 | 537 | 346 | 9413 |
| 1995-96 | 323 | 332 | 462 | 755 | 1046 | 1274 | 1518 | 1175 | 987 | 786 | 461 | 299 | 9418 |
| 1996-97 | 264 | 341 | 553 | 932 | 1190 | 1232 | 1321 | 923 | 1096 | 736 | 477 | 249 | 9314 |
| 1997-98 | 233 | 291 | 454 | 859 | 946 | 1136 | 1276 | 935 | 1002 | 768 | 611 | 347 | 8858 |
| 1998- | 273 | 383 | 503 | 802 | 1020 | 1254 | | | | | | | |

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COOLING DEGREE DAYS (base 65°F) 1998 VALDEZ, AK (VWS)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| 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 | 1 | 0 | 0 | 0 | 0 | 1 |
| 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 | 12 | 0 | 0 | 0 | 0 | 0 | 12 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 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 | 11 | 3 | 0 | 0 | 0 | 0 | 14 |
| 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 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SNOWFALL (inches) 1998 VALDEZ, AK (VWS)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|-------|-------|-------|-------|-------|------|------|-----|-------|
| 1972-73 | 0.0 | 0.0 | 0.0 | 4.4 | 64.6 | 25.4 | 83.2 | 48.7 | 46.6 | 10.1 | T | 0.0 | 283.0 |
| 1973-74 | 0.0 | 0.0 | 0.0 | 1.0 | 26.7 | 40.3 | T | 77.8 | 22.4 | 15.0 | 0.0 | 0.0 | 183.2 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 10.8 | 38.2 | 90.6 | 90.3 | 65.8 | 37.4 | 29.0 | 1.8 | 0.0 | 363.9 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 14.7 | 6.8 | 84.1 | 96.1 | 33.2 | 75.5 | 40.6 | T | 0.0 | 351.0 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 25.8 | 44.7 | 101.5 | 54.0 | 26.2 | 52.9 | 71.4 | 2.8 | 0.0 | 379.3 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.6 | 17.5 | 41.2 | 32.4 | 75.9 | 27.8 | 0.7 | 0.0 | 0.0 | 196.1 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 19.8 | 28.0 | 82.2 | 45.6 | 12.1 | 112.6 | 12.0 | T | 0.0 | 312.3 |
| 1979-80 | 0.0 | 0.0 | 0.0 | T | 31.8 | 105.5 | 37.3 | 86.5 | 36.4 | 3.9 | 0.0 | 0.0 | 301.4 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 4.7 | 27.4 | 60.2 | 24.5 | 61.3 | 57.9 | 4.6 | 0.0 | 0.0 | 240.6 |
| 1981-82 | 0.0 | 0.0 | T | 2.5 | 75.6 | 70.1 | 17.0 | 4.6 | 74.6 | 13.2 | T | 0.0 | 257.6 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 35.0 | 59.4 | 56.9 | 60.2 | 31.1 | 10.9 | 51.0 | 0.0 | 0.0 | 304.5 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 39.0 | 17.8 | 24.7 | 80.5 | 100.8 | 15.6 | 17.6 | 0.0 | 0.0 | 296.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.5 | 29.3 | 60.8 | 37.9 | 59.5 | 113.9 | 31.1 | 5.8 | 0.0 | 338.8 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 2.4 | 32.0 | 55.1 | 91.9 | 47.7 | 50.1 | 20.7 | 0.0 | 0.0 | 299.9 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 1.2 | 55.9 | 95.2 | 128.0 | 84.2 | 10.1 | 10.1 | 0.0 | 0.0 | 384.7 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.8 | 48.1 | 85.6 | 33.4 | 79.2 | 86.5 | 19.9 | 0.0 | 0.0 | 353.5 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 8.6 | 37.5 | 110.0 | 109.6 | 8.9 | 22.6 | 15.6 | 0.0 | 0.0 | 312.8 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 19.2 | 76.1 | 123.3 | 158.5 | 84.0 | 79.0 | 20.6 | 0.0 | 0.0 | 560.7 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 5.1 | 16.7 | 91.9 | 66.5 | 68.3 | 69.1 | 9.5 | T | 0.0 | 327.1 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 6.4 | 59.9 | 137.1 | 86.5 | 85.7 | 100.2 | 38.9 | 1.9 | 0.0 | 516.6 |
| 1992-93 | 0.0 | 0.0 | 4.6 | 9.4 | 57.0 | 47.7 | 90.4 | 85.4 | 47.6 | 1.3 | 0.0 | 0.0 | 343.4 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 4.4 | 75.6 | 86.5 | 42.7 | 13.5 | 95.6 | 23.1 | 0.2 | 0.0 | 341.6 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 10.9 | 108.2 | 124.5 | 65.4 | 17.4 | 61.6 | 2.4 | 6.5 | 0.0 | 396.9 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 2.0 | 5.8 | 9.3 | 4.1 | 180.0 | 45.5 | 20.6 | 0.0 | 0.0 | 267.3 |
| 1996-97 | 0.0 | 0.0 | 6.0 | 30.1 | 22.2 | 16.6 | 68.1 | 59.1 | 25.1 | 3.4 | 0.0 | 0.0 | 230.6 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 15.1 | 35.7 | 97.1 | 43.5 | 35.2 | 20.0 | 20.1 | 10.7 | 0.0 | 277.4 |
| 1998- | 0.0 | 0.0 | T | 1.0 | 17.0 | 50.1 | | | | | | | |
| POR= 26 YRS | 0.0 | 0.0 | 0.2 | 10.0 | 42.1 | 75.3 | 59.4 | 55.9 | 51.7 | 20.7 | 1.8 | 0.0 | 317.1 |

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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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
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1998 VALDEZ, ALASKA (VWS)

Valdez is located on the Valdez Arm, a rather well sheltered extension of Prince William Sound. Snow-capped mountains, containing extensive glacier areas, extend almost continuously from southeast of Valdez through north to west-southwest, with rugged but normally unglaciated mountains to the south and southwest. Active glaciers extend to within 5 to 10 miles of Valdez to the north and reach down to the level of the glacial plain on which Valdez is located. This level glacial plain is for the most part a well forested area except for the tidal marshes east and the glacial drainage area further east.

The terrain surrounding Valdez exerts a pronounced influence on practically all aspects of the local weather and climate. The effects of the surrounding mountains are to channel the local winds. From October through April the prevailing direction is northeast, and from May through September the prevailing direction is from the southwest. During the winter, high pressure in the interior and low pressure in the gulf may cause east to north winds of about 100 knots to flow out of passes and river canyons.

Precipitation is abundant the year around, but builds up noticeably during late summer and fall. The heaviest precipitation usually occurs in September and October, and almost one-third of the total annual rainfall occurs in these two months. Snowfall during the winter months is very heavy.

There is considerable cloudiness during the entire year, but slightly less than is realized at Alaskan points farther southeast.

Although the high mountain ridges to the north provide a considerable barrier to the flow of cold, continental air from the interior during the winter months, there is a definite offsetting factor in the downslope drainage from the snowfields and glacier areas on the southern slopes of these mountains. The coldest temperatures realized at Valdez appear to be related to the downslope flow of cold air, although temperatures only rarely dip below zero. The nearby snow and ice fields combine with the ocean areas to provide a moderating effect on the summertime high temperatures which have seldom reached the middle 80s. Considerable variations occur in practically all weather elements within relatively short distances.

The growing season averages slightly over 100 days, extending from May 26 to September 12. In addition, the glacier nature of the plain, the ruggedness of other surrounding terrain, and the cold water runoff from glacier melt tends to keep most available agricultural soil at temperatures too cool for desirable vegetation development during the growing season.

STATION LOCATION

VALDEZ, ALASKA

| LOCATION | OCCUPIED FROM | OCCUPIED TO | AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | | | | REMARKS | | | | | | | | | | | | | | |
|---|--|--|--|----------------|----------------|-----------------|--------|---|---|---|---|---|---|---|---|---|----|----|---------|----|--|--|--|--|----|--|--|--|--|--|--|---|----------------------|
| | | | | | | SEA LEVEL | GROUND | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | WIND | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 12 | | | | | | | | | | | | | |
| Sherman Street McKinley Street Copper Block Building Power Plant Signal Corps office Hobart & Leavell Sts. | 9/13/09 4/01/18 2/01/22 3/16/23 6/15/39 6/12/39 | 4/01/18 2/01/22 3/16/23 7/01/34 6/12/39 8/15/43 | 4 mi. SSW 4 mi. NNE 225 yds. | 61°07' | 146°16' | 11 | | | | | | | | | | | | | | | | | | | | | | | | | Billings residence. "Jim Fish" Building. | | |
| Orphanage office Orphanage Hobart Street Court Street Court Street | 8/15/43 7/24/44 5/10/46 6/07/48 4/18/52 | 7/24/44 5/10/46 6/07/48 4/18/52 10/25/56 | 200 yds.NE 1.5 blks.S 1.5 blks.N 0.5 blks.E 0.5 Dlk. | 61°07' | 146°16' | 13 | 24 | 5 | | | | | | | | | | 3 | | | | | | | | | | | | | New location at orphanage. Goldsmith residence. Fawcett's residence. Butcher's residence. | | |
| Court Street Hobart Street Kennedy office | 10/25/56 8/12/62 5/16/64 5/16/64 | 8/12/62 5/16/64 12/11/69 | 300 ft.SSE 1.5 blks.N 1.1 mi.NNE | 61°07' | 146°16' | 15 | 34 | 5 | | 5 | | | | | | | | 3 | | | | | | | 18 | | | | | | Station inoperative 12/1/69 to 2/4/71. | | |
| Polar Airways office Valdez Airport | 2/04/71 | 10/10/72 | 200 ft. W | 61°08' | 146°15' | 49 | 34 | 5 | | 5 | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Bank Building, Valdez Day Building, Valdez | 10/11/72 10/01/73 | 10/01/73 1/07/75 | 3.3 mi. W 100 ft. S | 61°08' | 146°21' | a87 | | | | 5 | 5 | | | | | | | 3 | | | | | | | | | | | | | | | a - Estimated value. |
| Radar Building, Valdez Coast Guard Bldg. | 1/08/75 3/16/77 | 3/16/77 Present | 0.3 mi. SE 0.3 mi. WSW | 61°08' | 146°21' | 23 | 32 | 5 | | 5 | | | | | | | | 3 | | | | | | | | | | | | | | b - Moved to new site 3/14/77. c - Minor move 8/9/82, d - Type change and minor move 1/20/83 e - Installed 11/8/84. f - Installed 6/13/86. | |

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