

2001

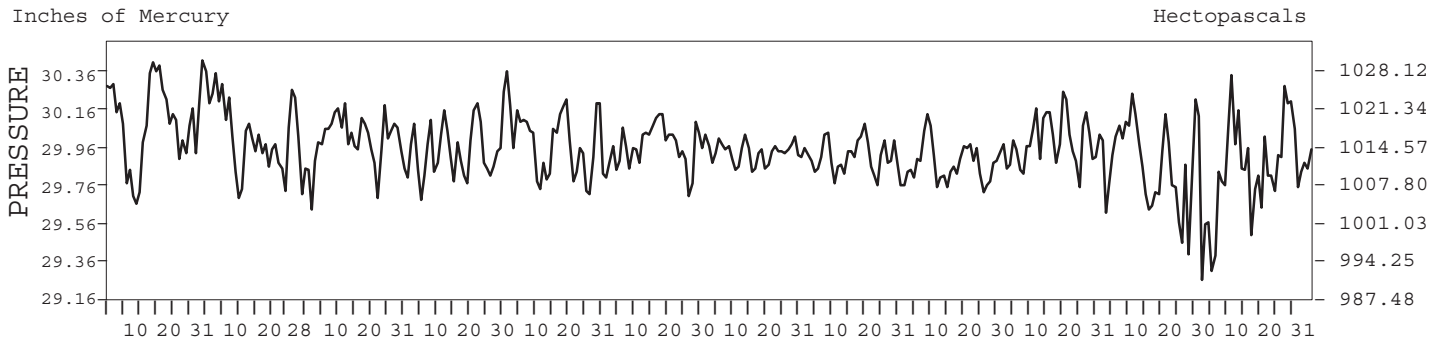
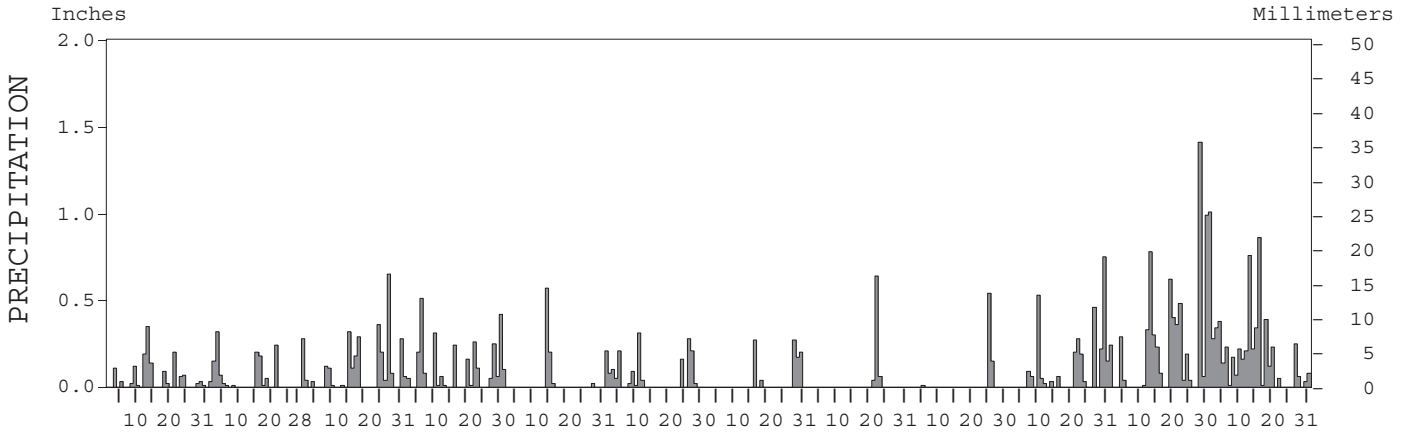
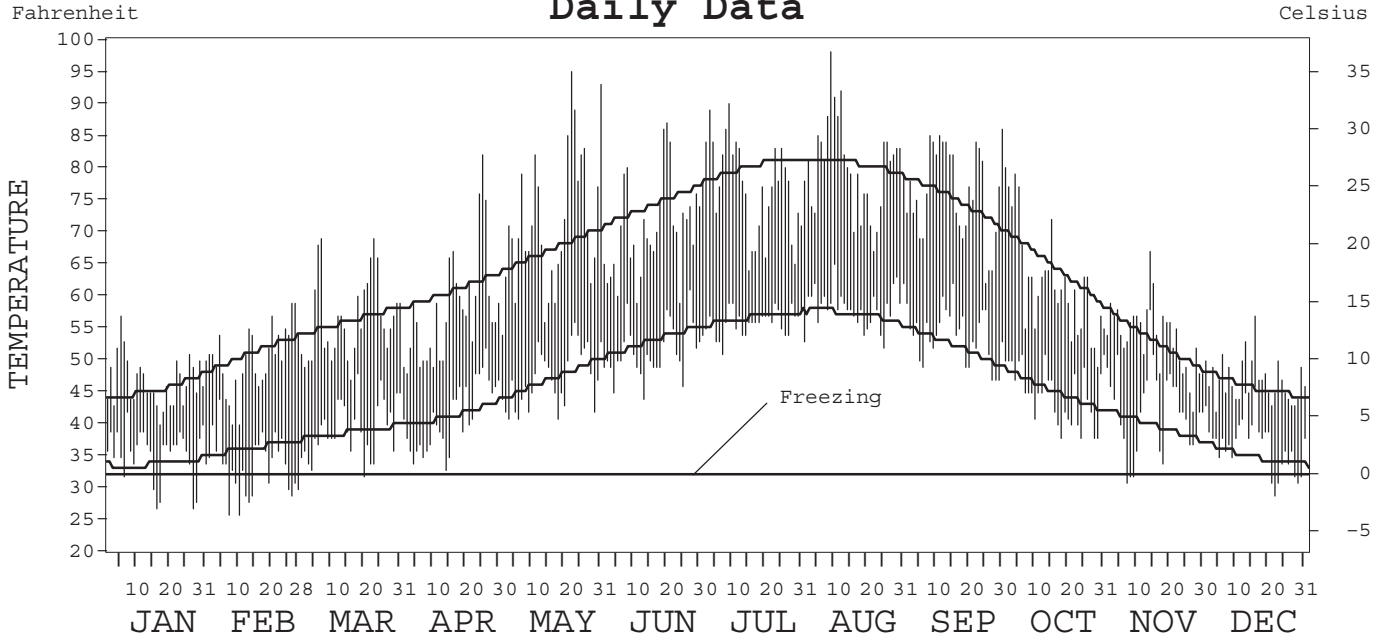
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-4195

PORTLAND,
OREGON (PDX)

Daily Data



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Thomas R. Karl

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

METEOROLOGICAL DATA FOR 2001

PORTLAND, OR (PDX)

LATITUDE: 45° 35' 27" N LONGITUDE: 122° 36' 01" W ELEVATION (FT.): GRND: 220 BARO: 223 TIME ZONE: PACIFIC (UTC + 8) WBAN: 24229

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|---|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 46.8 | 50.3 | 56.6 | 57.9 | 71.5 | 70.5 | 77.0 | 80.1 | 76.3 | 62.3 | 53.7 | 46.9 | 62.5 | |
| | HIGHEST DAILY MAXIMUM | 57 | 59 | 69 | 82 | 95 | 87 | 90 | 98 | 86 | 80 | 67 | 57 | 98 | |
| | DATE OF OCCURRENCE | 05 | 27+ | 23+ | 25 | 22 | 20 | 09 | 09 | 30 | 01 | 14 | 16 | AUG 09 | |
| | MEAN DAILY MINIMUM | 35.5 | 33.6 | 39.4 | 41.3 | 47.3 | 51.5 | 56.0 | 58.3 | 53.9 | 44.8 | 42.2 | 37.0 | 45.1 | |
| | LOWEST DAILY MINIMUM | 27 | 26 | 32 | 33 | 41 | 44 | 51 | 52 | 47 | 38 | 31 | 29 | 26 | |
| | DATE OF OCCURRENCE | 27+ | 10+ | 20 | 14 | 18+ | 13 | 07 | 25 | 29+ | 29+ | 07 | 22 | FEB 10+ | |
| | AVERAGE DRY BULB | 41.2 | 42.0 | 48.0 | 49.6 | 59.4 | 61.0 | 66.5 | 69.2 | 65.1 | 53.6 | 48.0 | 42.0 | 53.8 | |
| | MEAN WET BULB | 38.8 | 38.4 | 44.3 | 45.5 | 52.0 | 54.5 | 58.2 | 60.9 | 57.3 | 49.7 | 46.1 | 40.3 | 48.8 | |
| | MEAN DEW POINT | 35.2 | 34.1 | 40.4 | 41.3 | 45.5 | 49.2 | 52.8 | 55.8 | 52.0 | 45.8 | 43.7 | 37.6 | 44.4 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 6 |
| | MAXIMUM ≤ 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MINIMUM ≤ 32° | 6 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 27 | |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 733 | 640 | 517 | 455 | 201 | 140 | 22 | 5 | 55 | 347 | 504 | 706 | 4325 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 1 | 35 | 28 | 75 | 144 | 64 | 0 | 0 | 0 | 347 | |
| RH | MEAN (PERCENT) | 80 | 77 | 78 | 76 | 64 | 69 | 66 | 67 | 68 | 78 | 85 | 84 | 74 | |
| | HOUR 04 LST | 85 | 88 | 90 | 91 | 84 | 84 | 82 | 84 | 85 | 88 | 91 | 87 | 87 | |
| | HOUR 10 LST | 82 | 79 | 77 | 74 | 61 | 68 | 66 | 68 | 68 | 77 | 84 | 84 | 74 | |
| | HOUR 16 LST | 72 | 60 | 63 | 61 | 42 | 51 | 46 | 46 | 44 | 61 | 79 | 80 | 59 | |
| | HOUR 22 LST | 81 | 78 | 80 | 79 | 66 | 72 | 70 | 70 | 71 | 83 | 88 | 85 | 77 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 6 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 2 | 23 | |
| | THUNDERSTORMS | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 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.) | 30.12 | 30.04 | 30.00 | 29.94 | 30.01 | 29.98 | 29.95 | 29.91 | 29.89 | 29.99 | 29.85 | 29.89 | 29.96 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.15 | 30.06 | 30.11 | 30.06 | 30.12 | 30.09 | 30.06 | 30.02 | 30.00 | 30.10 | 29.96 | 30.00 | 30.06 | |
| WINDS | RESULTANT SPEED (MPH) | 7.1 | 4.0 | 1.4 | 2.2 | 3.1 | 4.1 | 6.5 | 3.7 | 3.3 | 1.0 | 4.9 | 6.5 | 0.2 | |
| | RES. DIR. (TENS OF DEGS.) | 12 | 12 | 19 | 24 | 30 | 31 | 33 | 32 | 32 | 21 | 15 | 14 | 18 | |
| | MEAN SPEED (MPH) | 9.8 | 7.5 | 6.3 | 6.5 | 6.9 | 7.0 | 7.7 | 6.9 | 6.3 | 6.3 | 8.5 | 11.1 | 7.6 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 12 | 12 | 11 | 20 | 33 | 32 | 33 | 32 | 32 | 31 | 12 | 11 | 32 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 31 | 29 | 31 | 30 | 25 | 24 | 23 | 22 | 23 | 32 | 31 | 38 | 38 | |
| | DIR. (TENS OF DEGS.) | 10 | 08 | 26 | 20 | 32 | 23 | 32 | 33 | 32 | 09 | 20 | 19 | 19 | |
| | DATE OF OCCURRENCE | 23+ | 11 | 13 | 29 | 04 | 27 | 05 | 07+ | 04 | 04 | 30 | 01 | DEC 01 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 44 | 33 | 38 | 36 | 29 | 35 | 28 | 28 | 26 | 38 | 39 | 47 | 47 | |
| DIR. (TENS OF DEGS.) | 22 | 11 | 26 | 20 | 28 | 23 | 33 | 33 | 33 | 08 | 19 | 19 | 19 | | |
| DATE OF OCCURRENCE | 29 | 17+ | 13 | 29 | 28+ | 27 | 05+ | 06 | 12+ | 04 | 22 | 01 | DEC 01 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.47 | 1.29 | 3.11 | 2.85 | 0.91 | 1.79 | 0.95 | 0.74 | 0.70 | 3.12 | 6.89 | 6.62 | 30.44 | |
| | GREATEST 24-HOUR (IN.) | 0.43 | 0.39 | 0.65 | 0.51 | 0.57 | 0.49 | 0.37 | 0.66 | 0.66 | 0.89 | 1.41 | 1.07 | 1.41 | |
| | DATE OF OCCURRENCE | 12-13 | 03-04 | 27 | 06 | 14 | 26-27 | 29-30 | 21-22 | 25-26 | 29-30 | 28 | 30-01 | NOV 28 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 16 | 12 | 17 | 18 | 5 | 14 | 5 | 3 | 3 | 15 | 19 | 25 | 152 | |
| PRECIPITATION ≥ 0.10 | 6 | 5 | 11 | 9 | 3 | 7 | 4 | 1 | 2 | 8 | 13 | 18 | 87 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM SNOW DEPTH (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | | | | | | | | | | | | | | | |

NORMALS, MEANS, AND EXTREMES

PORTLAND, OR (PDX)

LATITUDE: 45° 35' 27" N LONGITUDE: 122° 36' 01" W ELEVATION (FT): GRND: 220 BARO: 223 TIME ZONE: PACIFIC (UTC + 8) WBAN: 24229

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 45.4 | 51.0 | 56.0 | 60.6 | 67.1 | 74.0 | 79.9 | 80.3 | 74.6 | 64.0 | 52.6 | 45.6 | 62.6 |
| | MEAN DAILY MAXIMUM | 71 | 44.7 | 50.1 | 55.7 | 61.3 | 67.6 | 73.1 | 79.6 | 79.5 | 74.5 | 64.0 | 52.6 | 46.3 | 62.4 |
| | HIGHEST DAILY MAXIMUM | 61 | 63 | 71 | 80 | 90 | 100 | 100 | 107 | 107 | 105 | 92 | 73 | 65 | 107 |
| | YEAR OF OCCURRENCE | | 1986 | 1988 | 1947 | 1998 | 1983 | 1992 | 1965 | 1981 | 1988 | 1987 | 1975 | 1993 | AUG 1981 |
| | MEAN OF EXTREME MAXS. | 71 | 56.8 | 60.6 | 68.7 | 77.7 | 85.7 | 90.5 | 95.5 | 94.6 | 90.2 | 78.6 | 63.6 | 57.7 | 76.7 |
| | NORMAL DAILY MINIMUM | 30 | 33.7 | 36.1 | 38.6 | 41.3 | 47.0 | 52.9 | 56.5 | 56.9 | 52.0 | 44.9 | 39.5 | 34.8 | 44.5 |
| | MEAN DAILY MINIMUM | 71 | 34.1 | 36.4 | 39.0 | 42.4 | 47.8 | 53.1 | 56.7 | 56.9 | 52.4 | 45.9 | 39.9 | 35.9 | 45.0 |
| | LOWEST DAILY MINIMUM | 61 | -2 | -3 | 19 | 29 | 29 | 39 | 43 | 44 | 34 | 26 | 13 | 6 | -3 |
| | YEAR OF OCCURRENCE | | 1950 | 1950 | 1989 | 1955 | 1954 | 1966 | 1955 | 1980 | 1965 | 1971 | 1985 | 1964 | FEB 1950 |
| | MEAN OF EXTREME MINS. | 71 | 21.4 | 24.5 | 29.4 | 33.8 | 38.4 | 45.7 | 49.5 | 49.2 | 42.9 | 34.7 | 28.5 | 24.1 | 35.2 |
| | NORMAL DRY BULB | 30 | 39.6 | 43.6 | 47.3 | 51.0 | 57.1 | 63.5 | 68.2 | 68.6 | 63.3 | 54.5 | 46.1 | 40.2 | 53.6 |
| | MEAN DRY BULB | 71 | 39.4 | 43.2 | 47.4 | 51.9 | 57.8 | 63.2 | 68.2 | 68.2 | 63.4 | 54.9 | 46.2 | 41.1 | 53.7 |
| | MEAN WET BULB | 17 | 38.8 | 40.1 | 44.0 | 47.8 | 52.2 | 56.2 | 56.3 | 57.1 | 54.0 | 50.6 | 44.2 | 35.9 | 48.1 |
| | MEAN DEW POINT | 17 | 35.3 | 35.7 | 39.5 | 43.1 | 47.4 | 50.9 | 50.8 | 51.7 | 48.9 | 46.6 | 41.2 | 32.6 | 43.6 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.4 | 4.0 | 4.5 | 1.6 | 0.1 | 0.0 | 0.0 | 12.0 | |
| MAXIMUM ≤ 32° | 30 | 1.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.4 | 3.4 | |
| MINIMUM ≤ 32° | 30 | 12.4 | 7.7 | 4.2 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 4.6 | 10.4 | 41.1 | |
| MINIMUM ≤ 0° | 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 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 787 | 599 | 549 | 420 | 249 | 91 | 28 | 35 | 102 | 326 | 567 | 769 | 4522 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 46 | 127 | 147 | 51 | 0 | 0 | 0 | 371 |
| RH | NORMAL (PERCENT) | 30 | 81 | 78 | 75 | 72 | 69 | 66 | 63 | 65 | 69 | 78 | 82 | 83 | 73 |
| | HOUR 04 LST | 30 | 85 | 85 | 85 | 85 | 84 | 82 | 80 | 82 | 86 | 90 | 87 | 86 | 85 |
| | HOUR 10 LST | 30 | 82 | 80 | 75 | 70 | 66 | 64 | 61 | 64 | 67 | 78 | 82 | 83 | 73 |
| | HOUR 16 LST | 30 | 74 | 66 | 59 | 55 | 52 | 49 | 44 | 44 | 48 | 60 | 73 | 78 | 58 |
| | HOUR 22 LST | 30 | 82 | 80 | 77 | 74 | 72 | 69 | 66 | 68 | 74 | 82 | 83 | 84 | 76 |
| S | PERCENT POSSIBLE SUNSHINE | 46 | 28 | 38 | 48 | 52 | 57 | 56 | 69 | 66 | 62 | 44 | 28 | 23 | 48 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 59 | 4.3 | 3.7 | 2.3 | 1.1 | 0.1 | 0.1 | 0.1 | 0.2 | 2.6 | 6.7 | 5.7 | 4.7 | 31.6 |
| | THUNDERSTORMS | 61 | 0.1 | 0.1 | 0.5 | 0.9 | 1.4 | 0.9 | 0.8 | 1.0 | 0.7 | 0.4 | 0.3 | 0.1 | 7.2 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 47 | 6.7 | 6.6 | 6.4 | 6.2 | 5.8 | 5.4 | 3.8 | 4.0 | 4.3 | 5.6 | 6.4 | 6.8 | 5.7 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 31 | 6.3 | 6.0 | 5.7 | 5.7 | 5.3 | 4.9 | 3.6 | 3.6 | 3.9 | 5.0 | 6.3 | 6.4 | 5.2 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 47 | 2.9 | 2.9 | 3.3 | 3.5 | 5.0 | 6.2 | 12.6 | 11.4 | 10.3 | 5.4 | 2.8 | 2.1 | 68.4 | |
| PARTLY CLOUDY | 47 | 3.6 | 3.8 | 4.9 | 5.8 | 7.2 | 7.7 | 8.5 | 9.6 | 8.1 | 7.6 | 4.3 | 3.3 | 74.4 | |
| CLOUDY | 47 | 24.4 | 21.5 | 22.8 | 20.7 | 18.9 | 16.1 | 9.9 | 10.1 | 11.6 | 18.0 | 22.9 | 25.5 | 222.4 | |
| PR | MEAN STATION PRESSURE (IN) | 29 | 30.09 | 29.99 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.10 | 30.02 |
| | MEAN SEA-LEVEL PRES. (IN) | 17 | 30.09 | 30.04 | 30.06 | 30.06 | 30.03 | 30.04 | 30.05 | 30.02 | 30.02 | 30.08 | 30.07 | 30.14 | 30.06 |
| WINDS | MEAN SPEED (MPH) | 47 | 9.9 | 9.4 | 8.3 | 7.5 | 7.2 | 7.3 | 7.6 | 7.1 | 6.5 | 6.6 | 8.6 | 9.6 | 8.0 |
| | PREVAIL. DIR (TENS OF DEGS) | 31 | 12 | 12 | 12 | 32 | 32 | 32 | 33 | 33 | 32 | 12 | 12 | 12 | 32 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 6 | 43 | 40 | 43 | 37 | 33 | 34 | 24 | 26 | 31 | 37 | 43 | 38 | 43 |
| | DIR. (TENS OF DEGS) | | 20 | 10 | 21 | 18 | 24 | 20 | 18 | 32 | 07 | 11 | 20 | 19 | 20 |
| | YEAR OF OCCURRENCE | | 2000 | 2000 | 1999 | 1996 | 2000 | 1997 | 1996 | 1999 | 2000 | 1999 | 1998 | 2001 | JAN 2000 |
| MAXIMUM 5-SECOND: | | | | | | | | | | | | | | | |
| SPEED (MPH) | 6 | 59 | 51 | 51 | 46 | 40 | 40 | 29 | 33 | 40 | 43 | 51 | 51 | 59 | |
| DIR. (TENS OF DEGS) | | 19 | 17 | 20 | 09 | 24 | 20 | 18 | 17 | 08 | 12 | 21 | 22 | 19 | |
| YEAR OF OCCURRENCE | | 2000 | 1996 | 1999 | 1999 | 2000 | 1997 | 1996 | 1997 | 2000 | 1999 | 1998 | 1996 | JAN 2000 | |
| PRECIPITATION | NORMAL (IN) | 30 | 5.35 | 3.85 | 3.56 | 2.39 | 2.06 | 1.48 | 0.63 | 1.09 | 1.75 | 2.67 | 5.34 | 6.13 | 36.30 |
| | MAXIMUM MONTHLY (IN) | 61 | 12.83 | 10.03 | 7.52 | 5.26 | 5.55 | 4.06 | 2.68 | 4.53 | 4.30 | 8.41 | 11.57 | 13.35 | 13.35 |
| | YEAR OF OCCURRENCE | | 1953 | 1996 | 1957 | 1993 | 1998 | 1984 | 1983 | 1968 | 1986 | 1994 | 1942 | 1996 | DEC 1996 |
| | MINIMUM MONTHLY (IN) | 61 | 0.06 | 0.72 | 1.10 | 0.53 | 0.10 | 0.03 | 0.00 | T | T | 0.19 | 0.77 | 1.38 | 0.00 |
| | YEAR OF OCCURRENCE | | 1985 | 1993 | 1965 | 1956 | 1992 | 1951 | 1967 | 1970 | 1993 | 1988 | 1976 | 1976 | JUL 1967 |
| | MAXIMUM IN 24 HOURS (IN) | 61 | 2.61 | 2.46 | 1.83 | 1.47 | 1.47 | 1.82 | 1.09 | 1.54 | 2.38 | 4.44 | 4.10 | 2.59 | 4.44 |
| | YEAR OF OCCURRENCE | | 1974 | 1994 | 1943 | 1962 | 1968 | 1958 | 1978 | 1977 | 1982 | 1994 | 1996 | 1977 | OCT 1994 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 17.5 | 15.5 | 17.1 | 14.3 | 11.8 | 8.5 | 4.2 | 5.3 | 8.0 | 12.0 | 18.5 | 18.7 | 151.4 | |
| PRECIPITATION ≥ 1.00 | 30 | 1.1 | 0.4 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.8 | 1.1 | 4.5 | |
| SNOWFALL | NORMAL (IN) | 30 | 1.8 | 0.9 | 0.1 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 2.0 | 5.3 |
| | MAXIMUM MONTHLY (IN) | 55 | 41.4 | 13.2 | 12.9 | T | 0.6 | T | 0.0 | T | T | 0.2 | 8.2 | 15.7 | 41.4 |
| | YEAR OF OCCURRENCE | | 1950 | 1949 | 1951 | 1995 | 1953 | 1995 | | 1989 | 1949 | 1950 | 1955 | 1968 | JAN 1950 |
| | MAXIMUM IN 24 HOURS (IN) | 55 | 10.6 | 6.4 | 7.7 | T | 0.5 | T | 0.0 | T | T | 0.2 | 7.4 | 8.0 | 10.6 |
| | YEAR OF OCCURRENCE | | 1950 | 1993 | 1951 | 1995 | 1953 | 1995 | | 1989 | 1949 | 1950 | 1977 | 1964 | JAN 1950 |
| | MAXIMUM SNOW DEPTH (IN) | 48 | 15 | 14 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 15 |
| | YEAR OF OCCURRENCE | | 1950 | 1950 | 1951 | | | | | | | | 1977 | 1964 | JAN 1950 |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 0.6 | 0.3 | 0.* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 1.7 | |

PRECIPITATION (inches) 2001 PORTLAND, OR (PDX)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|-------|------|------|------|------|------|------|------|------|-------|-------|--------|
| 1972 | 5.71 | 4.08 | 5.41 | 2.98 | 2.23 | 0.68 | 0.56 | 0.67 | 3.06 | 0.87 | 3.78 | 8.79 | 38.82 |
| 1973 | 3.69 | 1.94 | 2.45 | 1.33 | 1.43 | 1.45 | 0.06 | 1.41 | 3.29 | 3.14 | 11.55 | 9.93 | 41.67 |
| 1974 | 8.51 | 4.61 | 5.65 | 1.76 | 1.74 | 0.80 | 2.01 | 0.07 | 0.21 | 2.14 | 6.73 | 6.05 | 40.28 |
| 1975 | 8.43 | 4.75 | 3.45 | 1.88 | 1.35 | 1.13 | 0.43 | 2.10 | T | 4.76 | 4.10 | 6.68 | 39.06 |
| 1976 | 5.14 | 4.92 | 2.93 | 2.34 | 2.29 | 0.78 | 0.66 | 3.29 | 0.73 | 1.48 | 0.77 | 1.38 | 26.71 |
| 1977 | 1.07 | 2.49 | 3.50 | 1.04 | 4.30 | 0.83 | 0.39 | 3.26 | 3.33 | 2.28 | 5.56 | 8.98 | 37.03 |
| 1978 | 4.85 | 3.28 | 1.49 | 3.96 | 3.17 | 1.69 | 1.36 | 2.05 | 2.07 | 0.36 | 3.83 | 2.51 | 30.62 |
| 1979 | 2.55 | 6.53 | 2.51 | 2.47 | 2.41 | 0.64 | 0.25 | 1.18 | 1.75 | 4.85 | 3.38 | 7.23 | 35.75 |
| 1980 | 8.51 | 4.01 | 3.11 | 2.58 | 2.19 | 2.50 | 0.19 | 0.39 | 1.56 | 1.18 | 6.47 | 9.72 | 42.41 |
| 1981 | 1.47 | 3.86 | 2.33 | 1.79 | 2.25 | 3.23 | 0.24 | 0.15 | 1.86 | 4.12 | 4.62 | 8.37 | 34.29 |
| 1982 | 6.31 | 5.98 | 2.38 | 3.56 | 0.46 | 1.66 | 0.94 | 1.66 | 3.98 | 4.44 | 3.51 | 8.16 | 43.04 |
| 1983 | 6.23 | 7.78 | 6.80 | 1.87 | 1.30 | 1.95 | 2.68 | 2.29 | 0.39 | 1.95 | 8.65 | 5.30 | 47.19 |
| 1984 | 2.01 | 3.93 | 3.19 | 3.20 | 3.41 | 4.06 | T | 0.09 | 1.46 | 3.85 | 9.74 | 2.56 | 37.50 |
| 1985 | 0.06 | 1.79 | 3.08 | 1.07 | 1.52 | 2.34 | 0.55 | 0.48 | 2.76 | 2.75 | 3.89 | 2.19 | 22.48 |
| 1986 | 4.65 | 5.31 | 2.60 | 1.91 | 2.19 | 0.23 | 1.20 | 0.10 | 4.30 | 1.99 | 6.26 | 4.30 | 35.04 |
| 1987 | 6.93 | 2.45 | 4.91 | 1.94 | 1.63 | 0.14 | 1.03 | 0.35 | 0.30 | 0.27 | 1.96 | 8.00 | 29.91 |
| 1988 | 4.95 | 1.17 | 3.13 | 4.57 | 2.53 | 2.34 | 0.69 | 0.10 | 1.76 | 0.19 | 7.92 | 2.37 | 31.72 |
| 1989 | 3.30 | 2.84 | 6.73 | 2.08 | 2.87 | 0.78 | 0.91 | 1.07 | 1.48 | 1.73 | 3.18 | 3.08 | 30.05 |
| 1990 | 7.95 | 3.43 | 2.52 | 2.31 | 2.37 | 1.94 | 0.32 | 0.95 | 0.34 | 4.65 | 3.68 | 2.40 | 32.86 |
| 1991 | 2.56 | 3.65 | 4.64 | 4.05 | 3.34 | 2.31 | 0.07 | 0.70 | 0.02 | 1.51 | 6.36 | 4.34 | 33.55 |
| 1992 | 4.31 | 4.12 | 1.87 | 3.82 | 0.10 | 0.60 | 0.67 | 0.49 | 1.12 | 2.87 | 4.55 | 4.98 | 29.50 |
| 1993 | 3.06 | 0.72 | 4.39 | 5.26 | 4.36 | 1.69 | 2.41 | 0.37 | T | 1.59 | 1.50 | 5.01 | 30.36 |
| 1994 | 3.56 | 4.92 | 1.84 | 1.91 | 0.56 | 1.67 | 0.07 | 0.13 | 1.13 | 8.41 | 5.91 | 4.85 | 34.96 |
| 1995 | 5.56 | 3.19 | 3.82 | 3.49 | 1.65 | 2.62 | 1.23 | 0.81 | 1.31 | 3.15 | 11.15 | 5.35 | 43.33 |
| 1996 | 7.15 | 10.03 | 3.24 | 5.12 | 4.88 | 0.44 | 0.73 | 0.25 | 3.05 | 5.39 | 9.58 | 13.35 | 63.21 |
| 1997 | 7.32 | 1.63 | 7.14 | 3.73 | 3.63 | 2.83 | 0.52 | 1.58 | 1.98 | 6.40 | 4.02 | 3.03 | 43.81 |
| 1998 | 6.77 | 5.27 | 4.06 | 1.04 | 5.55 | 1.73 | 0.59 | T | 1.09 | 2.16 | 11.02 | 6.74 | 46.02 |
| 1999 | 6.63 | 8.73 | 4.03 | 1.56 | 1.97 | 1.73 | 0.51 | 0.75 | 0.10 | 2.44 | 6.81 | 3.62 | 38.88 |
| 2000 | 5.66 | 4.50 | 3.21 | 1.82 | 2.70 | 1.19 | 0.15 | 0.12 | 1.67 | 3.25 | 2.46 | 3.47 | 30.20 |
| 2001 | 1.47 | 1.29 | 3.11 | 2.85 | 0.91 | 1.79 | 0.95 | 0.74 | 0.70 | 3.12 | 6.89 | 6.62 | 30.44 |
| POR= 61 YRS | 5.42 | 4.08 | 3.69 | 2.44 | 2.23 | 1.60 | 0.61 | 0.87 | 1.60 | 3.18 | 5.63 | 5.84 | 37.19 |

WBAN : 24229

AVERAGE TEMPERATURE (°F) 2001 PORTLAND, OR (PDX)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1972 | 39.2 | 43.8 | 49.8 | 48.0 | 60.2 | 64.0 | 70.9 | 71.7 | 61.2 | 53.0 | 48.2 | 37.4 | 54.0 |
| 1973 | 39.0 | 44.9 | 47.9 | 52.3 | 59.4 | 63.9 | 70.3 | 65.9 | 64.4 | 54.3 | 44.2 | 44.7 | 54.3 |
| 1974 | 38.0 | 43.0 | 47.2 | 51.3 | 55.7 | 64.4 | 67.1 | 68.9 | 67.3 | 55.2 | 48.1 | 44.1 | 54.2 |
| 1975 | 41.5 | 41.2 | 45.0 | 47.3 | 57.5 | 61.9 | 69.0 | 65.3 | 65.7 | 53.5 | 46.0 | 42.7 | 53.1 |
| 1976 | 42.2 | 42.1 | 44.4 | 50.3 | 56.6 | 60.4 | 67.2 | 65.5 | 64.2 | 54.7 | 47.0 | 39.5 | 52.8 |
| 1977 | 35.7 | 44.6 | 45.5 | 52.9 | 53.8 | 63.9 | 66.3 | 71.7 | 60.8 | 53.8 | 43.3 | 42.0 | 52.9 |
| 1978 | 40.1 | 44.7 | 49.1 | 50.5 | 54.7 | 65.1 | 68.4 | 67.6 | 60.9 | 54.7 | 39.1 | 35.3 | 52.5 |
| 1979 | 30.7 | 42.9 | 50.8 | 53.1 | 60.1 | 65.1 | 70.5 | 68.6 | 66.3 | 58.1 | 45.0 | 44.4 | 54.6 |
| 1980 | 35.1 | 42.5 | 46.3 | 53.8 | 57.3 | 60.7 | 68.9 | 66.4 | 63.8 | 56.0 | 48.5 | 44.0 | 53.6 |
| 1981 | 43.9 | 44.0 | 48.8 | 52.5 | 57.5 | 61.8 | 67.5 | 72.2 | 64.9 | 53.3 | 48.8 | 42.7 | 54.8 |
| 1982 | 39.7 | 43.6 | 48.5 | 49.0 | 57.6 | 66.0 | 67.5 | 68.6 | 63.2 | 54.9 | 44.4 | 41.7 | 53.7 |
| 1983 | 44.4 | 47.3 | 50.7 | 52.7 | 60.4 | 62.8 | 66.5 | 69.1 | 61.5 | 54.2 | 49.3 | 36.4 | 54.6 |
| 1984 | 42.2 | 45.9 | 51.1 | 50.4 | 56.4 | 62.2 | 69.1 | 69.4 | 63.7 | 52.9 | 46.7 | 38.3 | 54.0 |
| 1985 | 36.1 | 41.1 | 45.8 | 53.9 | 58.3 | 64.4 | 74.1 | 69.3 | 60.8 | 52.7 | 37.3 | 33.0 | 52.2 |
| 1986 | 42.5 | 43.7 | 51.3 | 50.2 | 57.6 | 66.3 | 65.3 | 72.3 | 61.5 | 57.0 | 47.7 | 40.6 | 54.7 |
| 1987 | 39.6 | 45.2 | 48.7 | 54.2 | 60.4 | 66.5 | 67.2 | 70.5 | 65.5 | 58.2 | 48.8 | 39.1 | 55.3 |
| 1988 | 39.0 | 44.7 | 47.2 | 52.2 | 56.4 | 62.4 | 68.4 | 68.0 | 64.0 | 58.3 | 47.5 | 42.0 | 54.2 |
| 1989 | 42.2 | 36.0 | 45.6 | 56.0 | 58.0 | 64.3 | 65.5 | 66.1 | 65.3 | 54.9 | 48.6 | 40.3 | 53.6 |
| 1990 | 43.4 | 41.9 | 49.4 | 54.5 | 56.7 | 63.6 | 71.2 | 70.9 | 67.0 | 53.9 | 48.4 | 34.7 | 54.6 |
| 1991 | 38.9 | 48.8 | 46.2 | 50.8 | 54.7 | 59.9 | 69.9 | 70.1 | 67.4 | 55.4 | 47.5 | 42.7 | 54.4 |
| 1992 | 44.5 | 48.1 | 52.3 | 55.4 | 63.1 | 67.4 | 70.2 | 69.8 | 62.3 | 55.9 | 46.3 | 39.3 | 56.2 |
| 1993 | 36.5 | 40.1 | 47.9 | 52.6 | 61.1 | 62.5 | 64.3 | 68.5 | 65.7 | 57.4 | 41.5 | 41.4 | 53.3 |
| 1994 | 44.5 | 40.9 | 50.2 | 54.2 | 60.7 | 62.9 | 71.1 | 70.2 | 67.6 | 54.1 | 42.7 | 42.3 | 55.1 |
| 1995 | 43.4 | 46.5 | 48.3 | 51.3 | 60.7 | 63.8 | 70.6 | 67.3 | 67.1 | 54.5 | 51.7 | 42.4 | 55.6 |
| 1996 | 40.7 | 41.6 | 47.7 | 53.5 | 55.3 | 63.2 | 72.0 | 70.4 | 61.8 | 54.0 | 45.5 | 41.6 | 53.9 |
| 1997 | 41.0 | 42.9 | 46.7 | 51.0 | 62.2 | 62.7 | 68.9 | 71.6 | 65.9 | 53.7 | 49.8 | 41.1 | 54.8 |
| 1998 | 43.0 | 46.1 | 48.8 | 52.8 | 56.3 | 63.4 | 71.0 | 71.0 | 66.9 | 54.3 | 48.9 | 40.5 | 55.3 |
| 1999 | 42.8 | 43.7 | 45.8 | 50.7 | 54.9 | 61.2 | 67.2 | 69.0 | 64.6 | 55.1 | 50.1 | 43.9 | 54.1 |
| 2000 | 39.8 | 43.7 | 45.6 | 54.0 | 57.6 | 65.3 | 67.8 | 67.8 | 63.9 | 55.2 | 42.8 | 40.4 | 53.7 |
| 2001 | 41.2 | 42.0 | 48.0 | 49.6 | 59.4 | 61.0 | 66.5 | 69.2 | 65.1 | 53.6 | 48.0 | 42.0 | 53.8 |
| POR= 61 YRS | 39.3 | 43.3 | 46.8 | 51.3 | 57.4 | 61.5 | 66.8 | 66.9 | 63.4 | 54.4 | 46.0 | 40.8 | 53.2 |

HEATING DEGREE DAYS (base 65°F) 2001 PORTLAND, OR (PDX)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|
| 1972-73 | 10 | 6 | 153 | 363 | 497 | 848 | 799 | 560 | 525 | 378 | 202 | 89 | 4430 |
| 1973-74 | 6 | 47 | 59 | 326 | 618 | 624 | 832 | 610 | 545 | 403 | 282 | 72 | 4424 |
| 1974-75 | 32 | 16 | 29 | 301 | 500 | 640 | 722 | 660 | 615 | 523 | 240 | 127 | 4405 |
| 1975-76 | 24 | 41 | 48 | 354 | 565 | 686 | 698 | 658 | 632 | 437 | 258 | 155 | 4556 |
| 1976-77 | 15 | 41 | 47 | 319 | 536 | 783 | 901 | 564 | 596 | 358 | 340 | 68 | 4568 |
| 1977-78 | 40 | 19 | 131 | 339 | 644 | 707 | 764 | 561 | 485 | 430 | 317 | 58 | 4495 |
| 1978-79 | 29 | 26 | 134 | 312 | 772 | 915 | 1058 | 615 | 434 | 351 | 162 | 57 | 4865 |
| 1979-80 | 8 | 2 | 19 | 214 | 592 | 631 | 920 | 647 | 575 | 329 | 232 | 125 | 4294 |
| 1980-81 | 15 | 25 | 64 | 284 | 485 | 644 | 650 | 583 | 494 | 372 | 229 | 108 | 3953 |
| 1981-82 | 23 | 5 | 76 | 355 | 478 | 687 | 780 | 596 | 502 | 472 | 229 | 71 | 4274 |
| 1982-83 | 22 | 10 | 99 | 307 | 614 | 715 | 635 | 492 | 435 | 363 | 184 | 81 | 3957 |
| 1983-84 | 27 | 2 | 109 | 325 | 463 | 880 | 701 | 546 | 425 | 430 | 269 | 115 | 4292 |
| 1984-85 | 9 | 2 | 80 | 377 | 539 | 820 | 893 | 664 | 588 | 327 | 213 | 62 | 4574 |
| 1985-86 | 0 | 7 | 124 | 373 | 826 | 982 | 691 | 591 | 417 | 437 | 265 | 43 | 4756 |
| 1986-87 | 37 | 0 | 148 | 242 | 510 | 750 | 780 | 550 | 495 | 321 | 173 | 51 | 4057 |
| 1987-88 | 22 | 2 | 54 | 214 | 479 | 798 | 801 | 581 | 544 | 380 | 272 | 109 | 4256 |
| 1988-89 | 33 | 15 | 91 | 208 | 518 | 705 | 699 | 805 | 594 | 263 | 219 | 77 | 4227 |
| 1989-90 | 32 | 27 | 44 | 306 | 486 | 759 | 664 | 641 | 476 | 308 | 251 | 78 | 4072 |
| 1990-91 | 10 | 5 | 14 | 336 | 492 | 933 | 802 | 446 | 575 | 420 | 310 | 156 | 4499 |
| 1991-92 | 4 | 13 | 25 | 295 | 517 | 685 | 627 | 483 | 387 | 282 | 108 | 35 | 3461 |
| 1992-93 | 5 | 9 | 107 | 274 | 556 | 789 | 877 | 692 | 522 | 366 | 135 | 94 | 4426 |
| 1993-94 | 37 | 17 | 57 | 231 | 698 | 726 | 630 | 668 | 451 | 316 | 143 | 85 | 4059 |
| 1994-95 | 16 | 0 | 23 | 330 | 662 | 696 | 666 | 514 | 510 | 405 | 149 | 95 | 4066 |
| 1995-96 | 3 | 15 | 20 | 318 | 392 | 693 | 747 | 671 | 530 | 340 | 294 | 70 | 4093 |
| 1996-97 | 16 | 8 | 113 | 340 | 581 | 717 | 737 | 612 | 563 | 413 | 116 | 79 | 4295 |
| 1997-98 | 7 | 0 | 42 | 341 | 452 | 734 | 676 | 523 | 498 | 376 | 268 | 72 | 3989 |
| 1998-99 | 12 | 4 | 32 | 323 | 475 | 753 | 677 | 592 | 587 | 424 | 312 | 150 | 4341 |
| 1999-00 | 38 | 16 | 73 | 298 | 441 | 648 | 774 | 612 | 593 | 323 | 229 | 62 | 4107 |
| 2000-01 | 19 | 13 | 75 | 296 | 661 | 759 | 733 | 640 | 517 | 455 | 201 | 140 | 4509 |
| 2001- | 22 | 5 | 55 | 347 | 504 | 706 | | | | | | | |

WBAN : 24229

COOLING DEGREE DAYS (base 65°F) 2001 PORTLAND, OR (PDX)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 0 | 0 | 0 | 0 | 27 | 39 | 200 | 221 | 44 | 0 | 0 | 0 | 531 |
| 1973 | 0 | 0 | 0 | 0 | 34 | 65 | 178 | 81 | 45 | 0 | 0 | 0 | 403 |
| 1974 | 0 | 0 | 0 | 0 | 1 | 60 | 102 | 144 | 102 | 0 | 0 | 0 | 409 |
| 1975 | 0 | 0 | 0 | 0 | 12 | 39 | 157 | 57 | 75 | 2 | 0 | 0 | 342 |
| 1976 | 0 | 0 | 0 | 0 | 4 | 23 | 89 | 66 | 30 | 4 | 0 | 0 | 216 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 42 | 90 | 233 | 10 | 0 | 0 | 0 | 375 |
| 1978 | 0 | 0 | 0 | 0 | 3 | 69 | 141 | 112 | 18 | 0 | 0 | 0 | 343 |
| 1979 | 0 | 0 | 0 | 0 | 18 | 65 | 183 | 124 | 65 | 7 | 0 | 0 | 462 |
| 1980 | 0 | 0 | 0 | 1 | 0 | 2 | 141 | 75 | 35 | 12 | 0 | 0 | 266 |
| 1981 | 0 | 0 | 0 | 3 | 4 | 16 | 109 | 232 | 82 | 0 | 0 | 0 | 446 |
| 1982 | 0 | 0 | 0 | 0 | 4 | 107 | 103 | 127 | 50 | 0 | 0 | 0 | 391 |
| 1983 | 0 | 0 | 0 | 0 | 48 | 23 | 80 | 137 | 12 | 0 | 0 | 0 | 300 |
| 1984 | 0 | 0 | 0 | 0 | 10 | 34 | 140 | 144 | 47 | 6 | 0 | 0 | 381 |
| 1985 | 0 | 0 | 0 | 0 | 11 | 53 | 291 | 145 | 5 | 0 | 0 | 0 | 505 |
| 1986 | 0 | 0 | 0 | 0 | 40 | 87 | 52 | 235 | 50 | 0 | 0 | 0 | 464 |
| 1987 | 0 | 0 | 0 | 4 | 37 | 102 | 95 | 177 | 77 | 12 | 0 | 0 | 504 |
| 1988 | 0 | 0 | 0 | 0 | 10 | 39 | 147 | 115 | 67 | 8 | 0 | 0 | 386 |
| 1989 | 0 | 0 | 0 | 0 | 9 | 62 | 53 | 66 | 60 | 0 | 0 | 0 | 250 |
| 1990 | 0 | 0 | 0 | 2 | 3 | 45 | 206 | 193 | 83 | 0 | 0 | 0 | 532 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 7 | 164 | 176 | 102 | 2 | 0 | 0 | 451 |
| 1992 | 0 | 0 | 0 | 1 | 57 | 114 | 174 | 164 | 31 | 0 | 0 | 0 | 541 |
| 1993 | 0 | 0 | 0 | 0 | 21 | 24 | 22 | 132 | 80 | 3 | 0 | 0 | 282 |
| 1994 | 0 | 0 | 0 | 0 | 15 | 31 | 210 | 168 | 109 | 0 | 0 | 0 | 533 |
| 1995 | 0 | 0 | 0 | 0 | 23 | 63 | 184 | 92 | 91 | 0 | 0 | 0 | 453 |
| 1996 | 0 | 0 | 0 | 0 | 1 | 36 | 240 | 181 | 25 | 7 | 0 | 0 | 490 |
| 1997 | 0 | 0 | 0 | 0 | 37 | 16 | 134 | 210 | 75 | 0 | 0 | 0 | 472 |
| 1998 | 0 | 0 | 0 | 14 | 4 | 30 | 206 | 197 | 96 | 0 | 0 | 0 | 547 |
| 1999 | 0 | 0 | 0 | 0 | 9 | 41 | 111 | 149 | 68 | 0 | 0 | 0 | 378 |
| 2000 | 0 | 0 | 0 | 0 | 3 | 78 | 113 | 107 | 50 | 0 | 0 | 0 | 351 |
| 2001 | 0 | 0 | 0 | 1 | 35 | 28 | 75 | 144 | 64 | 0 | 0 | 0 | 347 |

SNOWFALL (inches) 2001 PORTLAND, OR (PDX)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|
| 1972-73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 0.4 | T | T | T | 0.0 | 0.0 | 6.5 |
| 1973-74 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | T | T | 0.0 | T | 0.0 | T |
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | T | T | T | 0.0 | 0.1 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | T | T | T | T | 0.0 | T |
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | T | 0.0 | T | 0.0 | T |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | T | 0.0 | 0.0 | 0.1 | T | T | 0.0 | 7.7 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 2.4 | 1.9 | 1.1 | T | T | 0.0 | 0.0 | 8.4 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 12.4 | T | T | T | 0.0 | T | 12.4 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | T | T | T | T | T | T |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 2.1 | T | T | T | 0.0 | 0.0 | 4.1 |
| 1982-83 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 0.0 | 0.0 | T | T | T | 0.0 | T |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.1 | T | T | 0.0 | T | 0.0 | 2.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | T | 0.0 | 2.8 | T | 4.8 | T | T | 0.0 | 0.0 | 7.6 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 1.6 | T | 5.8 | T | T | T | 0.0 | 10.8 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 0.0 | T | T | T | T | 0.0 | 0.1 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 0.6 | 0.0 | 0.0 | T | T | 0.0 | 3.5 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.9 | 0.3 | 2.0 | T | 0.0 | 0.0 | 3.2 |
| 1989-90 | 0.0 | T | 0.0 | T | 0.0 | 0.0 | T | 8.3 | T | 0.0 | 0.0 | 0.0 | 8.3 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.6 | 0.0 | T | T | 0.0 | 0.0 | 1.9 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.0 | 0.0 | T |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.6 | 2.9 | 6.6 | 0.0 | T | T | 0.0 | 14.1 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.0 | 2.6 | T | T | 0.0 | T | 2.6 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.1 | T | 3.6 | 0.4 | T | 0.0 | T | 5.4 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001- | | | | | | | | | | | | | |
| POR= 55 YRS | 0.0 | T | T | 0.0 | 0.4 | 1.4 | 3.1 | 1.1 | 0.4 | T | 0.0 | T | 6.4 |

WBAN : 24229

REFERENCE NOTES:

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| <p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p> | <p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
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2001 PORTLAND, OREGON (PDX)

The Portland Weather Service Office is located 6 miles north-northeast of downtown Portland. Portland is situated about 65 miles inland from the Pacific Coast and midway between the northerly oriented low coast range on the west and the higher Cascade range on the east, each about 30 miles distant. The airport lies on the south bank of the Columbia River. The coast range provides limited shielding from the Pacific Ocean. The Cascade range provides a steep slope for orographic lift of moisture-laden westerly winds and consequent moderate rainfall, and also forms a barrier from continental air masses originating over the interior Columbia Basin. Airflow is usually northwesterly in Portland in spring and summer and southeasterly in fall and winter. The Portland Airport location is drier than most surrounding localities.

Portland has a very definite winter rainfall climate. Approximately 88 percent of the annual total occurs in the months of October through May, 9 percent in June and September, while only 3 percent comes in July and August. Precipitation is mostly rain, as on the average there are only five days each year with measurable snow. Snowfalls are seldom more than a couple of inches, and generally last only a few days.

The winter season is marked by relatively mild temperatures, cloudy skies and rain with southeasterly surface winds predominating. Summer produces pleasantly mild temperatures, northwesterly winds and very little precipitation. Fall and spring are transitional in nature. Fall and early winter are times with most frequent fog.

At all times, incursions of marine air are a frequent moderating influence. Outbreaks of continental high pressure from east of the Cascade Mountains produce strong easterly flow through the Columbia Gorge into the Portland area. In winter this brings the coldest weather with the extremes of low temperature registered in the cold air mass. Freezing rain and ice glaze are sometimes transitional effects. Temperatures below zero are very infrequent. In summer, hot, dry continental air brings the highest temperatures. Temperatures above 100 degrees are infrequent, but 90 degrees or higher are reached every year, but seldom persist for more than two or three days.

Destructive storms are infrequent in the Portland area. Surface winds seldom exceed gale force and rarely in the period of record have winds reached higher than 75 mph. Thunderstorms occur about once a month through the spring and summer months. Heavy downpours are infrequent but gentle rains occur almost daily during winter months.

Most rural areas around Portland are farmed for berries, green beans, and vegetables for fresh market and processing. The long growing season with mild temperatures and ample moisture favors local nursery and seed industries.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 7 and the average last occurrence in the spring is April 3.

STATION LOCATION

PORTLAND, OREGON

| 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 | | | | | | | | | | | |
| | | | | | | | GROUND | WIND | EXTREME | PSYCHROMETER | SUNSHINE | TIPPING GAUGE | WEIGHING | 8 INCH | HYGROMETER | | | |
| *NOTE: | | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | | |
| Temporary Quarters Swan Island Airport | 7/14/28 | 5/7/30 | 3.3 mi. NW of WBO | 45°34' | 122°43' | 33 | | | | | | | | | | | | |
| Administration Building Swan Island Airport | 5/7/30 | 10/13/40 | NA | 45°34' | 122°43' | 33 | 46 | 29 | 29 | | | | | 25 | | | | |
| UAL Building, Portland-Columbia Airport | 10/13/40 | 9/30/43 | 6 mi. ENE | 45°36' | 122°36' | 20 | 62 | 5 | 5 | | | | | 4 | | | | |
| Portland Building Portland-Columbia AP | 9/30/43 | 5/31/48 | 75 ft. E | 45°36' | 122°36' | 20 | 62 | 5 | 5 | | | | | 4 | | | | |
| 322 Custom House NW Park and Davis | 5/31/48 | 8/24/48 | 9 mi. SSW | 45°32' | 122°40' | 30 | 106 | 68 | 68 | | 63 | | | 63 | | Field flooded, operated at city office site. | | |
| UAL Building Portland Airport | 8/24/48 | 2/4/49 | 9 mi. NNE | 45°36' | 122°36' | 21 | 62 | 5 | 5 | | | 4 | | 4 | | Relocated at airport in UAL Hangar temporarily. | | |
| Administration Building Portland International Airport | 2/4/49 | 5/17/57 | 0.13 mi. W | 45°36' | 122°36' | 21 | 33 | 6 | 5 | f4 | f4 | | | 4 | h | f. Installed 1/3/50. g. Not moved 5/17/57. h. Telepsychrometer (4') 2/4/49-10/3/63. Hygro. comm. 0.25 mi. SE of office 10/3/63. | | |
| Administration Building Portland International Airport | 5/17/57 | 11/01/95 | NA | 45°36' | 122°36' | 21 | g33 f25 m20 | g6 | g5 | 23 n23 | 4 k3 | 5 | NA | h6 p6 | NA | i. Relocated 4/19/62. j. Moved to roof 2/26/64. k. Minor move 2/26/64. m. Lowered 3/1973. n. Minor adjustment 1/18/82. p. Type change 9/9/85. | | |
| International Airport | 11/01/95 | Present | NA | 45°35' | 122°36' | q220 | | | | | | | | | S | ASOS Commissioned 11/01/95 q. Ground elevation. | | |

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* NOTES: For earlier station history see previous edition.