

2004

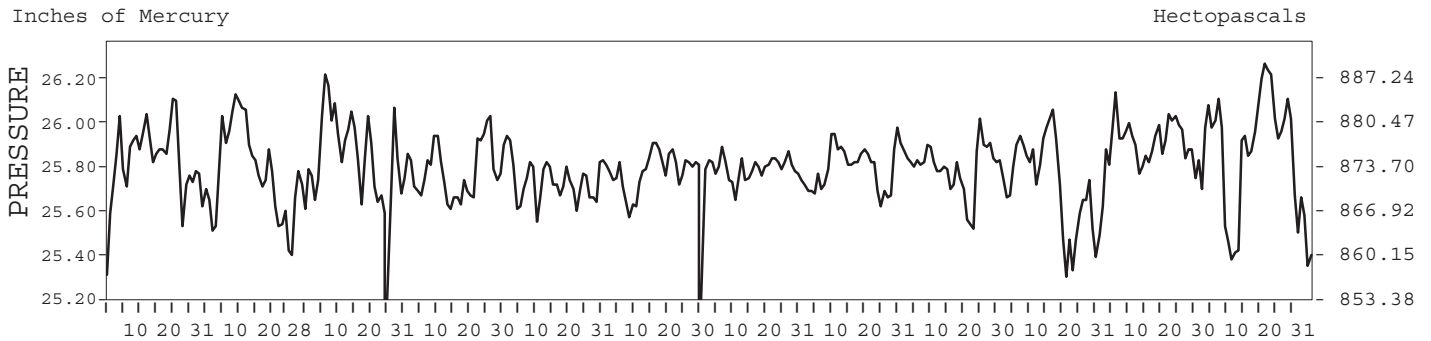
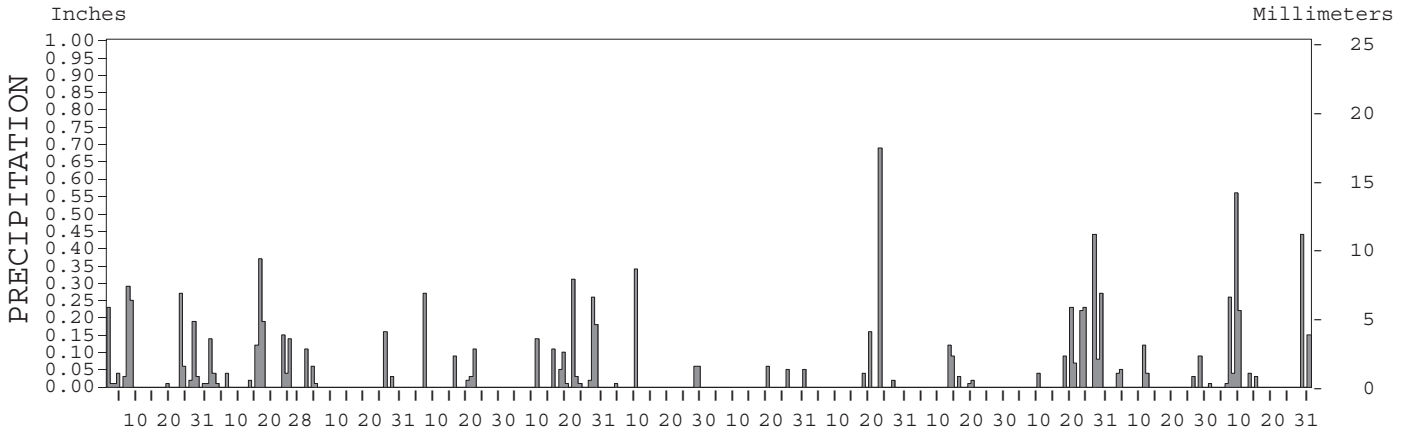
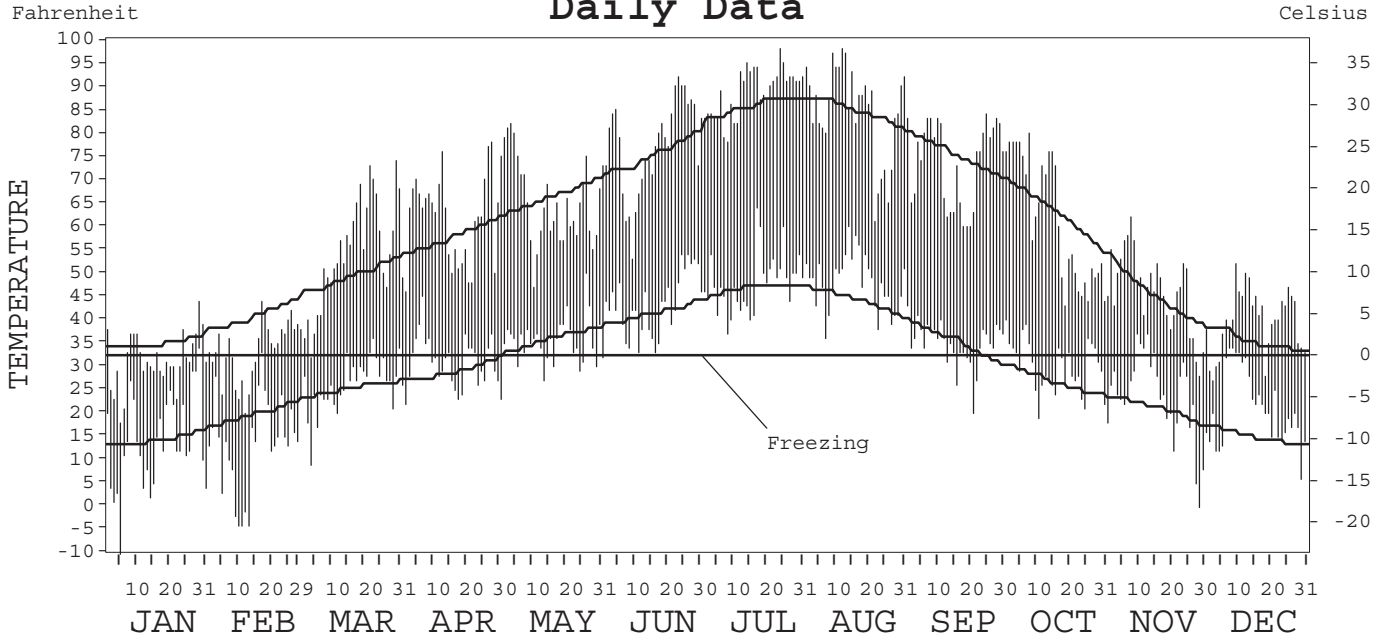
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-411X

BURNS, OREGON (BNO)

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 2004

BURNS, OR (BNO)

LATITUDE: 43° 35' 32" N LONGITUDE: 118° 57' 14" W ELEVATION (FT): GRND: 4145 BARO: 4148 TIME ZONE: PACIFIC (UTC + 8) WBAN: 94185

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|--------|--------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 31.3 | 33.6 | 54.4 | 62.1 | 65.2 | 77.3 | 88.7 | 84.5 | 73.6 | 61.5 | 46.2 | 39.7 | 59.8 | |
| | HIGHEST DAILY MAXIMUM | 44 | 44 | 74 | 78 | 82 | 92 | 98 | 98 | 84 | 80 | 62 | 52 | 98 | |
| | DATE OF OCCURRENCE | 29 | 17 | 29 | 27 | 03 | 23 | 24 | 12 | 25 | 08 | 08 | 10 | AUG 12 | |
| | MEAN DAILY MINIMUM | 13.8 | 13.7 | 26.2 | 30.9 | 35.5 | 43.3 | 47.9 | 47.9 | 34.9 | 29.9 | 23.7 | 21.1 | 30.7 | |
| | LOWEST DAILY MINIMUM | -10 | -4 | 9 | 22 | 27 | 33 | 37 | 36 | 20 | 19 | 0 | 6 | -10 | |
| | DATE OF OCCURRENCE | 05 | 13+ | 03 | 01 | 13 | 16+ | 08 | 07 | 21 | 11 | 29 | 30 | JAN 05 | |
| | AVERAGE DRY BULB | 22.6 | 23.7 | 40.3 | 46.5 | 50.4 | 60.3 | 68.3 | 66.2 | 54.3 | 45.7 | 35.0 | 30.4 | 45.3 | |
| | MEAN WET BULB | | 23.8 | | 39.0 | 44.0 | | 52.8 | 52.7 | 44.4 | 38.8 | 31.2 | 28.3 | | |
| | MEAN DEW POINT | | 21.2 | | 29.6 | 36.6 | | 37.8 | 40.7 | 33.0 | 30.6 | 26.8 | 25.2 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 4 | 17 | 11 | 0 | 0 | 0 | 0 | 0 | 32 |
| | MAXIMUM ≤ 32° | 19 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 38 | |
| MINIMUM ≤ 32° | 30 | 28 | 27 | 17 | 8 | 0 | 0 | 0 | 6 | 19 | 25 | 27 | 187 | | |
| MINIMUM ≤ 0° | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | | |
| H/C | HEATING DEGREE DAYS | 1310 | 1193 | 760 | 548 | 446 | 167 | 17 | 70 | 315 | 590 | 894 | 1066 | 7376 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 0 | 34 | 128 | 116 | 0 | 0 | 0 | 0 | 278 | |
| RH | MEAN (PERCENT) | 89 | 85 | 68 | 57 | 63 | 51 | 37 | 45 | 49 | 62 | 76 | 82 | 64 | |
| | HOUR 04 LST | 90 | 88 | 84 | 81 | 86 | 78 | 64 | 67 | 72 | 78 | 86 | 86 | 80 | |
| | HOUR 10 LST | 89 | 82 | 59 | 45 | 52 | 39 | 28 | 37 | 41 | 56 | 73 | 83 | 57 | |
| | HOUR 16 LST | 85 | 79 | 46 | 31 | 40 | 31 | 17 | 23 | 24 | 43 | 59 | 74 | 46 | |
| | HOUR 22 LST | 91 | 88 | 77 | 64 | 72 | 55 | 40 | 50 | 55 | 67 | 83 | 87 | 69 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 14 | 12 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 40 | |
| | 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.) | 25.82 | 25.78 | | 25.79 | 25.74 | | 25.79 | 25.81 | 25.78 | 25.73 | 25.92 | 25.82 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.19 | 30.13 | | 30.03 | 29.96 | | 29.94 | 29.97 | | 29.97 | 30.25 | 30.15 | | |
| WINDS | RESULTANT SPEED (MPH) | 1.1 | 1.1 | | 4.0 | 5.3 | | | 2.1 | 3.8 | 2.2 | 1.9 | 0.4 | | |
| | RES. DIR. (TENS OF DEGS.) | 24 | 07 | | 29 | 29 | | | 27 | 30 | 28 | 33 | 09 | | |
| | MEAN SPEED (MPH) | 5.1 | 6.1 | 6.9 | 7.9 | 7.9 | 7.7 | 6.6 | 6.5 | 6.6 | 6.5 | 4.8 | 4.6 | 6.4 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 09 | 08 | 30 | 29 | 30 | 29 | 30 | 29 | 29 | 29 | 28 | 08 | 29 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 44 | 31 | 33 | 35 | 32 | 35 | 26 | 30 | 28 | 41 | 26 | 30 | 44 | |
| | DIR. (TENS OF DEGS.) | 26 | 22 | 24 | 32 | 28 | 17 | 30 | 26 | 32 | 27 | 35 | 07 | 26 | |
| | DATE OF OCCURRENCE | 30 | 25 | 18 | 21 | 28 | 03 | 19 | 25 | 13 | 17 | 03 | 12+ | JAN 30 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 51 | 37 | 41 | 40 | 43 | 39 | 32 | 37 | 32 | 49 | 31 | 36 | 51 | |
| DIR. (TENS OF DEGS.) | 26 | 22 | 23 | 32 | 28 | 26 | 07 | 27 | 31 | 26 | 35 | 23 | 26 | | |
| DATE OF OCCURRENCE | 30 | 25 | 18 | 21 | 28 | 05+ | 31+ | 25 | 13 | 17 | 03 | 07 | JAN 30 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.46 | 1.26 | 0.37 | 0.52 | 1.22 | 0.47 | 0.16 | 0.91 | 0.27 | 1.67 | 0.38 | 1.80 | 10.49 | |
| | GREATEST 24-HOUR (IN.) | 0.36 | 0.48 | 0.16 | 0.27 | 0.39 | 0.34 | 0.06 | 0.69 | 0.12 | 0.45 | 0.12 | 0.67 | 0.69 | |
| | DATE OF OCCURRENCE | 07-08 | 16-17 | 25 | 06 | 27-28 | 09 | 19 | 22 | 12 | 22-23 | 10 | 08-09 | AUG 22 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 15 | 11 | 5 | 5 | 11 | 4 | 3 | 4 | 5 | 9 | 7 | 10 | 89 | |
| PRECIPITATION ≥ 0.10 | 5 | 6 | 2 | 2 | 6 | 1 | 0 | 2 | 1 | 5 | 1 | 5 | 36 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | 7 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 14 | |
| | MAXIMUM SNOW DEPTH (IN.) | 29+ | 04 | 01 | | | | | | | | | 31+ | FEB 04 | |

NORMALS, MEANS, AND EXTREMES

BURNS, OR (BNO)

LATITUDE: 43° 35' 32" N LONGITUDE: 118° 57' 14" W ELEVATION (FT): GRND: 4145 BARO: 4148 TIME ZONE: PACIFIC (UTC + 8) WBAN: 94185

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 34.7 | 40.5 | 49.0 | 57.4 | 66.1 | 75.1 | 85.4 | 84.5 | 75.0 | 62.4 | 44.8 | 35.1 | 59.2 |
| | MEAN DAILY MAXIMUM | 20 | 34.6 | 37.1 | 49.4 | 54.5 | 66.1 | 74.6 | 80.8 | 84.8 | 74.6 | 58.5 | 44.5 | 34.8 | 57.9 |
| | HIGHEST DAILY MAXIMUM | 20 | 57 | 67 | 74 | 84 | 94 | 98 | 107 | 100 | 97 | 86 | 70 | 57 | 107 |
| | YEAR OF OCCURRENCE | | 2003 | 1995 | 2004 | 1987 | 1986 | 1992 | 2002 | 1996 | 1998 | 2001 | 1999 | 1993 | JUL 2002 |
| | MEAN OF EXTREME MAXS. | 20 | 47.0 | 48.1 | 64.3 | 71.5 | 84.8 | 90.3 | 92.3 | 96.1 | 89.8 | 75.2 | 60.8 | 47.7 | 72.3 |
| | NORMAL DAILY MINIMUM | 30 | 14.0 | 19.4 | 24.9 | 28.6 | 35.6 | 41.1 | 46.4 | 43.9 | 35.0 | 26.4 | 20.6 | 14.6 | 29.2 |
| | MEAN DAILY MINIMUM | 20 | 15.5 | 17.7 | 25.5 | 28.0 | 36.5 | 41.2 | 44.8 | 44.8 | 36.0 | 25.9 | 21.6 | 15.5 | 29.4 |
| | LOWEST DAILY MINIMUM | 20 | -27 | -28 | -14 | 10 | 15 | 21 | 25 | 22 | 17 | -7 | -13 | -20 | -28 |
| | YEAR OF OCCURRENCE | | 1982 | 1985 | 1993 | 1997 | 2002 | 1996 | 1986 | 1999 | 1999 | 2002 | 1985 | 1984 | FEB 1985 |
| | MEAN OF EXTREME MINS. | 20 | -6.0 | 0.7 | 11.8 | 17.6 | 22.5 | 27.5 | 33.7 | 33.0 | 23.0 | 11.7 | 5.0 | -3.3 | 14.8 |
| | NORMAL DRY BULB | 30 | 24.4 | 30.0 | 37.0 | 43.0 | 50.9 | 58.1 | 65.9 | 64.2 | 55.0 | 44.4 | 32.7 | 24.9 | 44.2 |
| | MEAN DRY BULB | 20 | 25.1 | 27.5 | 37.3 | 41.2 | 51.3 | 58.0 | 62.8 | 64.7 | 55.4 | 42.3 | 33.1 | 25.2 | 43.7 |
| | MEAN WET BULB | 14 | 24.4 | 28.2 | 34.4 | 38.8 | 44.9 | 50.2 | 51.1 | 52.7 | 46.3 | 36.0 | 31.0 | 23.3 | 38.4 |
| | MEAN DEW POINT | 14 | 20.6 | 23.5 | 26.6 | 29.0 | 34.1 | 37.7 | 37.8 | 37.3 | 32.4 | 25.7 | 25.6 | 19.8 | 29.2 |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.8 | 9.2 | 8.3 | 1.3 | 0.0 | 0.0 | 0.0 | 20.8 | |
| MAXIMUM ≤ 32° | 0 | 10.1 | 5.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.0 | 10.8 | 29.9 | |
| MINIMUM ≤ 32° | 0 | 29.9 | 26.2 | 27.1 | 19.8 | 8.6 | 2.7 | 0.6 | 1.0 | 7.8 | 23.3 | 27.0 | 30.1 | 204.1 | |
| MINIMUM ≤ 0° | 0 | 3.9 | 1.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 3.7 | 10.6 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1259 | 982 | 869 | 661 | 439 | 226 | 89 | 96 | 313 | 638 | 968 | 1245 | 7785 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 19 | 117 | 70 | 12 | 0 | 0 | 0 | 218 |
| RH | NORMAL (PERCENT) | | | | | | | | | | | | | | |
| | HOUR 04 LST | 30 | | 77 | 62 | 50 | 46 | 44 | 35 | 33 | 40 | 51 | 73 | | |
| | HOUR 10 LST | 30 | | 64 | 48 | 38 | 35 | | | | 27 | | | | |
| | HOUR 16 LST | | | | | | | | | | | | | | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 13 | 6.4 | 3.1 | 0.6 | 0.7 | 0.5 | 0.3 | 0.2 | 0.1 | 0.4 | 0.7 | 2.5 | 4.8 | 20.3 |
| | THUNDERSTORMS | 13 | 0.0 | 0.0 | 0.2 | 0.2 | 0.6 | 0.5 | 0.5 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 2.8 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 1 | | | | | 5.0 | | | | | | | | | |
| PARTLY CLOUDY | 1 | | | 1.0 | | | | | | | | | | | |
| CLOUDY | 1 | 1.0 | | 1.0 | | 2.0 | | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 8 | 25.79 | 25.77 | 25.76 | 25.76 | 25.76 | 25.76 | 25.81 | 25.81 | 25.80 | 25.82 | 25.82 | 25.82 | 25.79 |
| | MEAN SEA-LEVEL PRES. (IN) | 15 | 30.20 | 30.13 | 30.04 | 30.03 | 29.96 | 29.96 | 29.99 | 30.00 | 30.02 | 30.10 | 30.15 | 30.21 | 30.07 |
| WINDS | MEAN SPEED (MPH) | 9 | 5.2 | 6.2 | 7.5 | 8.3 | 8.2 | 7.9 | 7.2 | 6.9 | 6.4 | 6.3 | 5.6 | 5.2 | 6.7 |
| | PREVAIL. DIR (TENS OF DEGS) | 11 | 08 | 08 | 30 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 08 | 30 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 9 | 44 | 40 | 39 | 38 | 41 | 35 | 44 | 36 | 41 | 41 | 39 | 40 | 44 |
| | DIR. (TENS OF DEGS) | | 26 | 24 | 34 | 22 | 20 | 17 | 18 | 19 | 32 | 27 | 23 | 25 | 26 |
| | YEAR OF OCCURRENCE | | 2004 | 2000 | 1998 | 2000 | 2000 | 2004 | 2002 | 2003 | 2003 | 2004 | 1998 | 2000 | JAN 2004 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 9 | 51 | 47 | 47 | 45 | 48 | 45 | 51 | 51 | 52 | 49 | 46 | 48 | 52 |
| DIR. (TENS OF DEGS) | | 26 | 24 | 35 | 33 | 20 | 22 | 18 | 14 | 31 | 26 | 24 | 24 | 31 | |
| YEAR OF OCCURRENCE | | 2004 | 2000 | 1998 | 1999 | 2000 | 1997 | 2002 | 1999 | 2003 | 2004 | 2003 | 2000 | SEP 2003 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.18 | 1.11 | 1.24 | 0.85 | 1.05 | 0.66 | 0.40 | 0.45 | 0.50 | 0.72 | 1.11 | 1.30 | 10.57 |
| | MAXIMUM MONTHLY (IN) | 20 | 2.84 | 3.50 | 3.66 | 2.21 | 2.84 | 3.05 | 1.22 | 1.16 | 2.13 | 1.72 | 2.73 | 3.88 | 3.88 |
| | YEAR OF OCCURRENCE | | 1995 | 1986 | 1983 | 1993 | 1998 | 1992 | 1987 | 1984 | 1986 | 2000 | 1984 | 1981 | DEC 1981 |
| | MINIMUM MONTHLY (IN) | 20 | 0.09 | 0.12 | 0.23 | 0.12 | 0.10 | 0.11 | T | 0.00 | 0.00 | 0.03 | 0.23 | 0.28 | 0.00 |
| | YEAR OF OCCURRENCE | | 1985 | 1997 | 1997 | 1986 | 1992 | 1985 | 1994 | 1994 | 1999 | 1998 | 1993 | 1991 | SEP 1999 |
| | MAXIMUM IN 24 HOURS (IN) | 20 | 0.68 | 1.04 | 0.99 | 0.55 | 0.85 | 1.15 | 0.89 | 1.01 | 0.92 | 0.87 | 0.69 | 5.31 | 5.31 |
| | YEAR OF OCCURRENCE | | 1997 | 1986 | 1996 | 1993 | 1995 | 1992 | 1985 | 1984 | 2000 | 1982 | 1981 | 1995 | DEC 1995 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 10.3 | 10.2 | 11.6 | 8.8 | 9.4 | 6.2 | 2.9 | 3.1 | 3.8 | 5.9 | 11.5 | 10.1 | 93.8 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | |
| SNOWFALL | NORMAL (IN) | 30 | 7.3 | 6.7 | 4.3 | 0.7 | 0.2 | 0.* | 0.0 | 0.0 | 0.* | 0.7 | 5.9 | 9.6 | 35.4 |
| | MAXIMUM MONTHLY (IN) | 11 | 23.7 | 27.6 | 13.5 | 3.2 | 1.4 | 0.6 | 0.0 | 0.0 | T | 3.6 | 17.4 | 26.8 | 27.6 |
| | YEAR OF OCCURRENCE | | 1993 | 1986 | 1985 | 1982 | 1983 | 1981 | | | 1986 | 1984 | 1983 | 1983 | FEB 1986 |
| | MAXIMUM IN 24 HOURS (IN) | 11 | 6.2 | 8.5 | 6.4 | 1.7 | 0.9 | 0.6 | 0.0 | 0.0 | T | 5.0 | 7.0 | 6.5 | 8.5 |
| | YEAR OF OCCURRENCE | | 1987 | 1986 | 1985 | 1980 | 1986 | 1981 | | | 1986 | 1991 | 1983 | 1981 | FEB 1986 |
| | MAXIMUM SNOW DEPTH (IN) | 17 | 23 | 26 | 26 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 8 | 13 | 26 |
| | YEAR OF OCCURRENCE | | 1993 | 1993 | 1993 | 1999 | | | | | | 1991 | 1985 | 1985 | MAR 1993 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 0 | 2.5 | 2.2 | 1.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.0 | 3.4 | 11.5 | |

PRECIPITATION (inches) 2004 BURNS, OR (BNO)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1974 | 0.85 | 0.82 | 2.42 | 0.72 | 0.09 | 0.01 | 0.59 | 0.10 | 0.00 | 0.35 | 0.11 | 1.36 | 7.42 |
| 1975 | 1.54 | 1.78 | 1.71 | 1.22 | 0.05 | 0.38 | 0.58 | 0.19 | 0.07 | 1.35 | 0.82 | 1.64 | 11.33 |
| 1976 | 1.49 | 1.46 | 0.45 | 0.59 | 0.37 | 0.66 | 0.55 | 1.97 | 0.51 | 0.11 | 0.30 | T | 8.46 |
| 1977 | 0.69 | 0.45 | 0.27 | 0.16 | 1.67 | 0.41 | 0.51 | 0.29 | 1.11 | 0.44 | 2.09 | 2.31 | 10.40 |
| 1978 | 2.54 | 1.42 | 1.56 | 1.88 | 0.18 | 0.44 | 0.45 | 0.56 | 1.11 | 0.00 | 1.21 | 0.54 | 11.89 |
| 1979 | 2.96 | 1.74 | 0.99 | 0.82 | 0.81 | 0.21 | 0.03 | 1.99 | 0.56 | 1.03 | 1.93 | 1.62 | 14.69 |
| 1980 | 1.58 | 2.01 | 0.61 | 0.57 | 1.08 | 0.85 | 0.26 | 0.03 | 0.56 | 0.88 | 0.59 | 1.36 | 10.38 |
| 1981 | 0.79 | 0.91 | 1.62 | 0.84 | 2.14 | 0.47 | 0.23 | 0.18 | 0.54 | 1.34 | 2.62 | 3.88 | 15.56 |
| 1982 | 1.15 | 1.70 | 0.78 | 0.90 | 0.64 | 0.90 | 0.41 | 0.35 | 1.06 | 1.43 | 1.09 | 2.56 | 12.97 |
| 1983 | 1.04 | 2.13 | 3.66 | 1.10 | 1.54 | 0.31 | 1.09 | 0.70 | 0.06 | 1.08 | 2.44 | 3.09 | 18.24 |
| 1984 | 0.21 | 0.76 | 1.71 | 0.80 | 1.04 | 0.88 | 0.49 | 1.16 | 0.05 | 1.02 | 2.73 | 0.87 | 11.72 |
| 1985 | 0.09 | 0.49 | 1.03 | 0.34 | 1.37 | 0.11 | 0.92 | 0.09 | 1.12 | 0.81 | 0.97 | 0.73 | 8.07 |
| 1986 | 1.41 | 3.50 | 1.33 | 0.12 | 0.53 | 0.26 | 0.37 | 0.04 | 2.13 | 0.34 | 0.30 | 0.28 | 10.61 |
| 1987 | 1.30 | 1.00 | 1.54 | 0.75 | 0.56 | 1.50 | 1.22 | 0.16 | | | | | |
| 1988 | | | | | | | | | | | | | |
| 1989 | | | | | | | | | | | | | |
| 1991 | | | | | 1.91 | 0.73 | T | 0.38 | 0.06 | 1.10 | 1.07 | 0.28 | |
| 1992 | 0.18 | 1.03 | 0.49 | 0.66 | 0.10 | 3.05 | 0.30 | 0.34 | 0.09 | 1.39 | 0.90 | 1.71 | 10.24 |
| 1993 | 2.08 | 1.17 | 1.41 | 2.21 | 0.93 | 0.70 | 0.55 | 0.51 | 0.03 | 0.87 | 0.23 | 0.95 | 11.64 |
| 1994 | 0.39 | 0.74 | 0.37 | 0.51 | 1.23 | 0.52 | T | 0.00 | 0.23 | 0.34 | 1.50 | 0.68 | 6.51 |
| 1995 | 2.84 | 0.47 | 1.68 | 1.39 | | | | 0.83 | T | 0.21 | 0.65 | 2.53 | |
| 1996 | 1.85 | | 1.50 | | 1.69 | 0.66 | | 0.34 | 0.72 | 0.92 | 1.13 | 3.07 | |
| 1997 | 2.46 | 0.12 | 0.23 | 1.03 | 1.47 | 0.29 | 0.68 | 0.17 | 0.61 | 0.68 | 1.08 | 0.63 | 9.45 |
| 1998 | 2.29 | 2.89 | 1.35 | 1.03 | 2.84 | 1.04 | 0.31 | 0.01 | 1.03 | 0.03 | 2.28 | 1.10 | 16.20 |
| 1999 | 1.65 | 1.94 | 0.72 | 0.32 | 0.42 | 0.20 | 0.08 | 0.56 | 0.00 | 0.37 | 0.44 | 0.57 | 7.27 |
| 2000 | 1.63 | 1.89 | 0.77 | 0.80 | 0.28 | 0.18 | 0.96 | T | 1.16 | 1.72 | 0.63 | 0.47 | 10.49 |
| 2001 | 0.33 | 0.39 | 0.64 | 0.53 | 0.63 | 0.71 | 1.07 | T | 0.95 | 0.61 | 1.42 | 1.05 | 8.33 |
| 2002 | 0.88 | 0.39 | 0.32 | 1.00 | 0.46 | 0.40 | 0.07 | 0.07 | 0.05 | 0.05 | 0.27 | 1.97 | 5.93 |
| 2003 | 1.24 | 0.14 | 1.45 | 1.55 | 1.16 | 0.11 | 0.50 | 0.26 | 0.60 | 0.12 | 1.06 | 1.56 | 9.75 |
| 2004 | 1.46 | 1.26 | 0.37 | 0.52 | 1.22 | 0.47 | 0.16 | 0.91 | 0.27 | 1.67 | 0.38 | 1.80 | 10.49 |
| POR= 20 YRS | 1.28 | 1.23 | 1.17 | 0.90 | 1.13 | 0.69 | 0.49 | 0.30 | 0.50 | 0.82 | 1.17 | 1.50 | 11.18 |

WBAN : 94185

AVERAGE TEMPERATURE (°F) 2004 BURNS, OR (BNO)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1974 | 26.6 | 32.9 | 36.8 | 42.8 | 50.2 | 65.8 | 67.5 | 67.0 | 61.5 | 48.2 | 36.5 | 28.4 | 47.0 |
| 1975 | 25.1 | 30.2 | 33.9 | 38.1 | 50.5 | 58.6 | 70.9 | 63.5 | 61.8 | 45.4 | 33.6 | 30.8 | 45.2 |
| 1976 | 27.6 | 30.3 | 34.1 | 41.9 | 53.9 | 56.6 | 68.7 | 61.2 | 60.4 | 48.2 | 40.9 | 29.8 | 46.1 |
| 1977 | 19.2 | 35.3 | 34.7 | 48.4 | 47.1 | 66.0 | 67.2 | 68.9 | 56.3 | 48.6 | 34.7 | 31.8 | 46.5 |
| 1978 | 30.1 | 31.8 | 43.6 | 42.9 | 49.1 | 58.8 | 68.3 | 64.6 | 54.6 | 50.6 | 32.8 | 21.8 | 45.8 |
| 1979 | 15.8 | 31.2 | 39.2 | 44.2 | 53.6 | 61.4 | 69.3 | 66.8 | 62.3 | 51.0 | 32.0 | 29.8 | 46.4 |
| 1980 | 25.2 | 35.1 | 35.1 | 45.2 | 50.9 | 54.2 | 65.8 | 61.0 | 55.6 | 44.5 | 35.8 | 29.0 | 44.8 |
| 1981 | 30.1 | 29.2 | 37.6 | 44.6 | 49.2 | 56.6 | 64.1 | 66.5 | 55.5 | 42.3 | 35.6 | 29.1 | 45.0 |
| 1982 | 17.6 | 24.7 | 35.3 | 39.1 | 49.1 | 57.8 | 64.9 | 64.3 | 52.9 | 43.5 | 29.0 | 22.8 | 41.8 |
| 1983 | 28.7 | 33.4 | 39.1 | 40.9 | 51.6 | 55.0 | 61.1 | 64.6 | 53.9 | 47.2 | 35.7 | 21.7 | 44.4 |
| 1984 | 17.0 | 23.1 | 35.8 | 40.7 | 50.0 | 54.5 | 67.0 | 64.9 | 52.7 | 39.7 | 33.6 | 19.0 | 41.5 |
| 1985 | 16.9 | 23.0 | 31.3 | 46.3 | 51.1 | 59.1 | 70.7 | 61.4 | 48.9 | 41.8 | 20.9 | 11.9 | 40.3 |
| 1986 | 27.4 | 33.5 | 42.3 | 42.6 | 51.8 | 63.1 | 61.6 | 69.3 | 50.8 | 46.9 | 36.3 | 26.7 | 46.0 |
| 1987 | 19.8 | 32.7 | 38.8 | 49.0 | 54.1 | 61.1 | 63.2 | 65.1 | | | | | |
| 1988 | | | | | | | | | | | | | |
| 1989 | | | | | | | | | | | | | |
| 1991 | | | | | 47.8 | 54.5 | 68.4 | 67.0 | 59.2 | 45.0 | 35.5 | 28.8 | |
| 1992 | 27.7 | 37.1 | 41.8 | 46.6 | 57.3 | 62.4 | 64.7 | 66.0 | 55.9 | 47.4 | 30.1 | 19.8 | 46.4 |
| 1993 | 14.8 | 18.4 | 33.4 | 41.7 | 54.3 | 54.4 | 56.7 | 60.3 | 56.3 | 46.6 | 27.2 | 28.5 | 41.1 |
| 1994 | 31.8 | 29.0 | 39.8 | 44.4 | 53.4 | 58.6 | 69.9 | 66.2 | 58.7 | 43.2 | 26.1 | 22.8 | 45.3 |
| 1995 | 30.1 | 39.2 | 37.8 | 41.5 | | | | 60.5 | 56.4 | 41.4 | 38.6 | 28.4 | |
| 1996 | 26.9 | | 39.0 | | 48.4 | 57.9 | | 64.6 | 52.8 | | 35.9 | 29.7 | |
| 1997 | 27.6 | 31.6 | 39.0 | 41.8 | 54.8 | 57.3 | 64.0 | 64.7 | 56.8 | 43.3 | 36.3 | 24.6 | 45.2 |
| 1998 | 31.5 | 29.7 | 37.8 | 42.9 | 48.1 | 55.8 | 68.9 | 66.8 | 60.1 | 42.5 | 34.9 | 22.9 | 45.2 |
| 1999 | 28.0 | 25.9 | 34.0 | 41.0 | 48.2 | 57.2 | 62.5 | 63.5 | 54.2 | 45.2 | 39.3 | 26.4 | 43.8 |
| 2000 | 27.2 | 35.0 | 36.9 | 47.4 | 51.5 | 59.8 | 65.8 | 65.3 | 54.3 | 44.5 | 28.7 | 24.2 | 45.1 |
| 2001 | 19.7 | 24.0 | 38.2 | 39.9 | 53.5 | 57.0 | 65.2 | 68.4 | 58.4 | 45.4 | 34.4 | 22.5 | 43.9 |
| 2002 | 22.9 | 23.8 | 33.3 | 43.6 | 49.9 | 60.5 | 70.2 | 61.3 | 55.6 | 41.0 | 34.3 | 29.7 | 43.8 |
| 2003 | 33.2 | 30.8 | 40.1 | 40.1 | 51.6 | 60.7 | 71.5 | 66.3 | 58.5 | 48.9 | 31.1 | 30.2 | 46.9 |
| 2004 | 22.6 | 23.7 | 40.3 | 46.5 | 50.4 | 60.3 | 68.3 | 66.2 | 54.3 | 45.7 | 35.0 | 30.4 | 45.3 |
| POR= 20 YRS | 25.0 | 28.6 | 37.4 | 42.2 | 51.3 | 58.2 | 62.2 | 64.9 | 55.0 | 42.0 | 32.8 | 24.9 | 43.7 |

HEATING DEGREE DAYS (base 65°F) 2004 BURNS, OR (BNO)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1975-76 | 39 | 107 | 123 | 599 | 934 | 1054 | 1150 | 998 | 949 | 687 | 339 | 262 | 7241 |
| 1976-77 | 25 | 150 | 154 | 512 | 717 | 1083 | 1413 | 825 | 928 | 493 | 551 | 51 | 6902 |
| 1977-78 | 47 | 86 | 278 | 499 | 903 | 1020 | 1075 | 923 | 656 | 655 | 484 | 189 | 6815 |
| 1978-79 | 34 | 122 | 310 | 443 | 961 | 1335 | 1517 | 941 | 792 | 618 | 350 | 150 | 7573 |
| 1979-80 | 33 | 45 | 103 | 434 | 984 | 1082 | 1227 | 862 | 918 | 587 | 430 | 321 | 7026 |
| 1980-81 | 52 | 130 | 274 | 627 | 868 | 1110 | 1074 | 996 | 844 | 607 | 487 | 255 | 7324 |
| 1981-82 | 80 | 46 | 287 | 696 | 875 | 1106 | 1461 | 1123 | 914 | 770 | 484 | 224 | 8066 |
| 1982-83 | 86 | 76 | 360 | 659 | 1075 | 1303 | 1116 | 882 | 793 | 720 | 424 | 294 | 7788 |
| 1983-84 | 154 | 76 | 328 | 544 | 872 | 1339 | 1481 | 1210 | 898 | 719 | 464 | 324 | 8409 |
| 1984-85 | 21 | 45 | 363 | 778 | 937 | 1421 | 1487 | 1170 | 1037 | 555 | 421 | 190 | 8425 |
| 1985-86 | 14 | 131 | 475 | 715 | 1314 | 1639 | 1155 | 873 | 697 | 665 | 448 | 96 | 8222 |
| 1986-87 | 124 | 19 | 431 | 552 | 853 | 1181 | 1396 | 900 | 806 | 473 | 332 | 158 | 7225 |
| 1987-88 | 93 | 56 | | | | | | | | | | | |
| 1988-89 | | | | | | | | | | | | | |
| 1989-90 | | | | | | | | | | | | | |
| 1990-91 | | | | | | | | | | | 529 | 312 | |
| 1991-92 | 16 | 25 | 177 | 615 | 879 | 1114 | 1149 | 802 | 712 | 547 | 246 | 136 | 6418 |
| 1992-93 | 80 | 88 | 270 | 539 | 1040 | 1395 | 1544 | 1301 | 972 | 693 | 329 | 317 | 8568 |
| 1993-94 | 252 | 166 | 262 | 564 | 1126 | 1123 | 1019 | 1002 | 776 | 611 | 353 | 211 | 7465 |
| 1994-95 | 33 | 31 | 184 | 667 | 1161 | 1302 | 1071 | 718 | 839 | 703 | | | |
| 1995-96 | | 163 | 263 | 727 | 788 | 1127 | 1174 | | 800 | | 507 | 214 | |
| 1996-97 | | 96 | 361 | | 868 | 1090 | 1155 | 926 | 799 | 688 | 313 | 225 | |
| 1997-98 | 87 | 56 | 245 | 662 | 853 | 1246 | 1031 | 982 | 832 | 657 | 516 | 269 | 7436 |
| 1998-99 | 3 | 40 | 182 | 692 | 896 | 1297 | 1140 | 1088 | 953 | 714 | 512 | 240 | 7757 |
| 1999-00 | 125 | 102 | 315 | 608 | 763 | 1190 | 1163 | 865 | 864 | 519 | 411 | 165 | 7090 |
| 2000-01 | 59 | 65 | 323 | 628 | 1082 | 1254 | 1396 | 1140 | 824 | 747 | 360 | 257 | 8135 |
| 2001-02 | 76 | 15 | 194 | 598 | 912 | 1310 | 1296 | 1149 | 974 | 636 | 468 | 178 | 7806 |
| 2002-03 | 9 | 128 | 278 | 736 | 913 | 1084 | 979 | 952 | 765 | 741 | 421 | 147 | 7153 |
| 2003-04 | 9 | 28 | 213 | 491 | 1010 | 1072 | 1310 | 1193 | 760 | 548 | 446 | 167 | 7247 |
| 2004- | 17 | 70 | 315 | 590 | 894 | 1066 | | | | | | | |

WBAN : 94185

COOLING DEGREE DAYS (base 65°F) 2004 BURNS, OR (BNO)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1974 | 0 | 0 | 0 | 0 | 2 | 114 | 145 | 127 | 18 | 0 | 0 | 0 | 406 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 11 | 230 | 71 | 35 | 0 | 0 | 0 | 347 |
| 1976 | 0 | 0 | 0 | 0 | 1 | 15 | 150 | 37 | 24 | 0 | 0 | 0 | 227 |
| 1977 | 0 | 0 | 0 | 0 | 3 | 87 | 120 | 214 | 27 | 0 | 0 | 0 | 451 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 12 | 142 | 118 | 5 | 0 | 0 | 0 | 277 |
| 1979 | 0 | 0 | 0 | 0 | 3 | 48 | 172 | 111 | 27 | 6 | 0 | 0 | 367 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 2 | 81 | 11 | 0 | 0 | 0 | 0 | 94 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 11 | 61 | 102 | 13 | 0 | 0 | 0 | 187 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 13 | 88 | 62 | 3 | 0 | 0 | 0 | 166 |
| 1983 | 0 | 0 | 0 | 0 | 16 | 0 | 41 | 71 | 0 | 0 | 0 | 0 | 128 |
| 1984 | 0 | 0 | 0 | 0 | 3 | 14 | 89 | 48 | 4 | 0 | 0 | 0 | 158 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 18 | 199 | 27 | 0 | 0 | 0 | 0 | 244 |
| 1986 | 0 | 0 | 0 | 0 | 42 | 48 | 25 | 158 | 12 | 0 | 0 | 0 | 285 |
| 1987 | 0 | 0 | 0 | 0 | 2 | 45 | 44 | 70 | | | | | |
| 1988 | | | | | | | | | | | | | |
| 1989 | | | | | | | | | | | | | |
| 1991 | | | | | 0 | 1 | 129 | 95 | 9 | 0 | 0 | 0 | |
| 1992 | 0 | 0 | 0 | 0 | 13 | 66 | 77 | 128 | 4 | 0 | 0 | 0 | 288 |
| 1993 | 0 | 0 | 0 | 0 | 4 | 4 | 2 | 28 | 10 | 0 | 0 | 0 | 48 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 24 | 194 | 74 | 0 | 0 | 0 | 0 | 292 |
| 1995 | 0 | 0 | 0 | 0 | | | | 29 | 10 | 0 | 0 | 0 | |
| 1996 | 0 | 0 | 0 | 0 | 0 | 9 | | 88 | 2 | 0 | 0 | 0 | |
| 1997 | 0 | 0 | 0 | 0 | 3 | 4 | 64 | 52 | 6 | 0 | 0 | 0 | 129 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 103 | 42 | 0 | 0 | 0 | 276 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 14 | 51 | 64 | 0 | 0 | 0 | 0 | 129 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 17 | 91 | 83 | 9 | 0 | 0 | 0 | 200 |
| 2001 | 0 | 0 | 0 | 0 | 10 | 23 | 90 | 127 | 2 | 0 | 0 | 0 | 252 |
| 2002 | 0 | 0 | 0 | 0 | 5 | 49 | 175 | 23 | 3 | 0 | 0 | 0 | 255 |
| 2003 | 0 | 0 | 0 | 0 | 11 | 24 | 217 | 74 | 24 | 0 | 0 | 0 | 350 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 34 | 128 | 116 | 0 | 0 | 0 | 0 | 278 |

SNOWFALL (inches) 2004 BURNS, OR (BNO)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1975-76 | 0.0 | 0.0 | 0.0 | 4.4 | 5.2 | 9.9 | 11.8 | 10.5 | 1.0 | 1.0 | 0.0 | 0.0 | 43.8 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 7.0 | 4.1 | 3.3 | 0.4 | 1.4 | 0.0 | 16.2 |
| 1977-78 | 0.0 | 0.0 | 0.0 | T | 14.6 | 12.7 | 13.3 | 9.4 | 3.6 | 5.8 | T | 0.0 | 59.4 |
| 1978-79 | 0.0 | 0.0 | T | 0.0 | 1.2 | 6.0 | 22.0 | 16.8 | 2.5 | 1.2 | 0.9 | 0.0 | 50.6 |
| 1979-80 | 0.0 | 0.0 | 0.0 | T | 11.0 | 13.7 | 5.5 | 7.0 | 4.9 | 1.9 | T | 0.0 | 44.0 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | 5.2 | 4.8 | 1.9 | 1.6 | T | T | 0.6 | 15.4 |
| 1981-82 | 0.0 | 0.0 | 0.0 | T | 4.5 | 24.4 | 13.8 | 2.3 | 3.4 | 3.2 | 0.2 | T | 51.8 |
| 1982-83 | 0.0 | 0.0 | 0.0 | T | 2.1 | 16.0 | 7.1 | 7.2 | 8.3 | 0.3 | 1.4 | 0.0 | 42.4 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 | 26.8 | 4.2 | 9.4 | 2.7 | 1.5 | T | 0.0 | 62.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 3.6 | 9.2 | 7.2 | 1.1 | 5.8 | 13.5 | 1.6 | 0.0 | 0.0 | 42.0 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 1.7 | 13.8 | 7.4 | 5.3 | 27.6 | 5.2 | T | 1.3 | 0.0 | 62.3 |
| 1986-87 | 0.0 | 0.0 | T | 0.0 | 1.4 | 4.2 | 12.8 | 6.9 | 3.6 | 0.0 | 0.0 | 0.0 | 28.9 |
| 1987-88 | 0.0 | 0.0 | | | | | | | | | | | |
| 1988-89 | | | | | | | | | | | | | |
| 1989-90 | | | | | | | | | | | | | |
| 1990-91 | | | | | | | | | | | 0.0 | 0.0 | |
| 1991-92 | 0.0 | 0.0 | 0.0 | | 0.6 | 0.4 | 1.9 | 3.2 | T | 0.0 | 0.0 | 0.0 | |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 19.9 | 23.7 | 15.3 | 3.7 | 0.6 | 0.0 | 0.0 | 70.9 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 5.5 | 1.4 | 6.5 | T | T | 0.0 | 0.0 | 14.1 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 13.4 | 10.1 | 1.6 | 1.2 | T | | | |
| 1995-96 | | | | | | | | | | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003-04 | | | | | | | | | | | | | |
| 2004- | | | | | | | | | | | | | |
| POR= 11 YRS | 0.0 | 0.0 | T | 0.6 | 7.4 | 12.5 | 7.2 | 7.3 | 3.6 | 0.6 | 0.3 | 0.1 | 39.6 |

WBAN : 94185

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> |
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2004 BURNS, OREGON (BNO)

Burns is located near the center of the high plateau area that comprises much of central Oregon. The crest of the Cascade Range is some 135 miles to the west, the Steens Mountains about 45 miles to the southeast. A prong of the Blue Mountains to the north approaches within 40 miles of Burns with lower hills reaching the city limits. Approximately 30 miles east, a number of low hills separate this area from the Malheur Valley. From the Blue Mountains in the north to the southern border of Oregon and between the foothills of the Cascades in the west to the chain of lesser mountains to the east is a series of shallow valleys, each with its own small creek or creeks. These are separated by slightly higher, gently rolling bench lands which in turn are cut here and there by rough, rocky canyons, and with numerous buttes or small mesas interspersed through the area, rising from 500 to 1,500 feet above the general terrain. Well distributed over much of central Oregon south of Burns are a number of large, relatively shallow landlocked lakes and marshes.

Burns, in common with most of the Great Basin area of the Western Plateau, has a semi-arid climate. Maritime air moving in from the Pacific Ocean is greatly modified by its passage over the Coastal and Cascade Mountain Ranges that lie between Burns and the coast. In its ascent over them much of its precipitable moisture has been given up and annual precipitation totals here are small and humidities generally low. This makes for an abundance of sunshine and a rather wide range between daily maximum and minimum temperatures. Nighttime frosts may occur any month in the year. An occasional continental air mass moving from northern Canada southward through this area,

instead of in its usual trajectory along the east slope of the Rocky Mountains, will produce even lower humidities along with fairly strong winds and more extreme temperatures. The average total precipitation for the entire high plateau region of Oregon is between 9 and 12 inches. About one-third of this falls in the form of snow. There are several thunderstorms each year. Occasionally these are accompanied by hail, but seldom do either cause appreciable damage. No tornadoes have ever been reported in the immediate area of Burns, but funnel clouds have been sighted.

Approximately 90 percent of the agricultural income in Harney County, of which Burns is the county seat, is derived from beef cattle and sheep, with far the greater portion coming from cattle. The very low nightly temperatures during much of the year necessitate the raising of only very hardy, frost-resistant crops with a short growing season. The low annual precipitation total limits cultivation to valley bottom lands. Through the use of spring runoff water and some reservoir storage for summer irrigation, about 120,000 acres of native grasslands have been developed into native grass hay meadows and about 40,000 additional acres are in cultivated crops, principally the small hardy grains, with some 6,000 acres of alfalfa. The rest of the more than 6,000,000 acres in Harney County is in range with about 400,000 acres of the rangeland covered by pine forests along the northern border.

STATION LOCATION

BURNS, OREGON

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | REMARKS |
|-------------------|---------------|-------------|---|-------------------|-------------------|-----------------|--------|-----------------|----------------------|--------------|-----------------|----------------|---------------------|-------------------|------------|---------------------------------|--|
| | | | | | | GROUND | | | | | | | | | | | |
| | | | | | | SEA LEVEL | GROUND | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TRAINING GAUGE | WEIGHING RAIN GAUGE | 8 INCH RAIN GAUGE | HYGROMETER | | |
| *NOTE: | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | |
| Burns Airport | 02/15/80 | 07/01/95 | 5 mi. E | 43°35' | 118°57' | 4141 | M | 5 d5 | 5 d5 | | | | 5 d5 | 5 d5 | M | M | M. RAMOS commissioned 02/15/80. d. Minor move 06/03/83. |
| Municipal Airport | 07/01/95 | Present | NA | 43°36' | 118°57' | e4145 | | | | | | | | | | S | ASOS Commissioned 07/01/95 e. Ground Elevation |

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