

2001

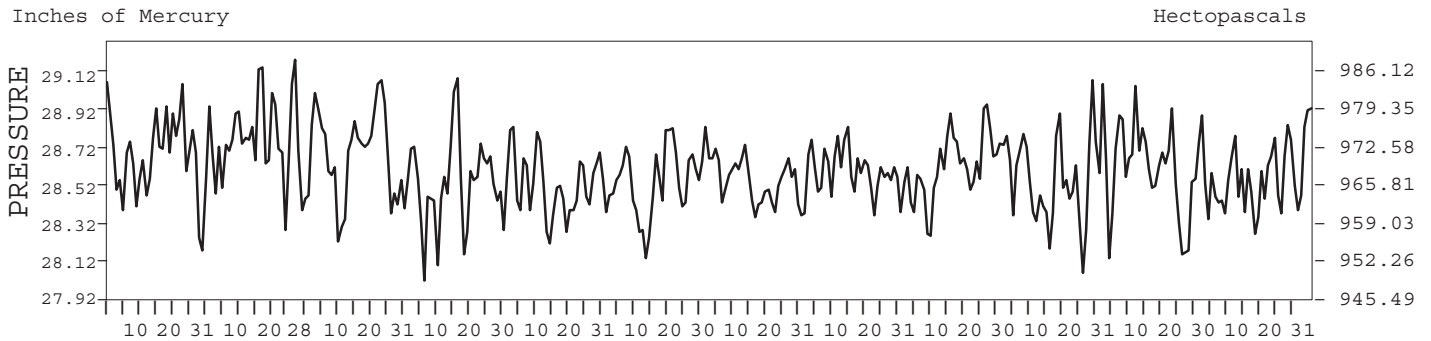
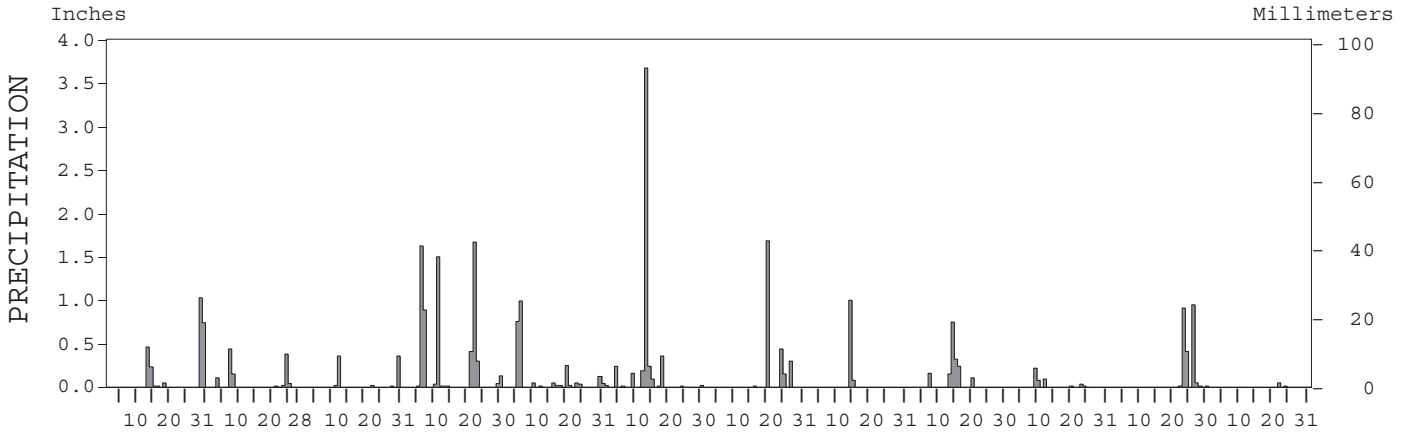
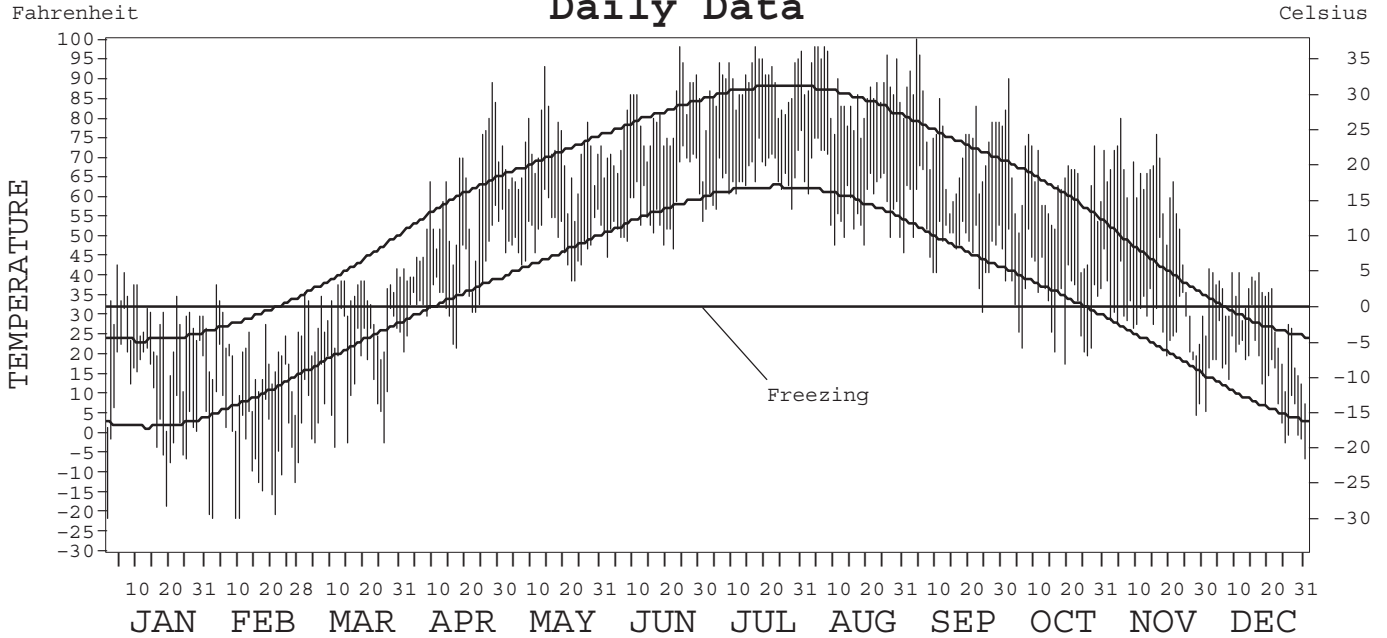
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-4705

HURON,
SOUTH DAKOTA (HON)

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

HURON, SD (HON)

LATITUDE: 44° 23' 07" N LONGITUDE: 98° 13' 44" W ELEVATION (FT): GRND: 1281 BARO: 1284 TIME ZONE: CENTRAL (UTC + 6) WBAN: 14936

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|--|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 27.1 | 18.7 | 32.0 | 56.6 | 70.5 | 79.1 | 88.2 | 86.9 | 75.6 | 62.6 | 55.8 | 30.5 | 57.0 | |
| | HIGHEST DAILY MAXIMUM | 43 | 38 | 42 | 89 | 93 | 98 | 98 | 98 | 100 | 90 | 80 | 42 | 100 | |
| | DATE OF OCCURRENCE | 04 | 03 | 30 | 28 | 14 | 24 | 17 | 07+ | 04 | 02 | 05 | 02 | SEP 04 | |
| | MEAN DAILY MINIMUM | 8.1 | -3.0 | 14.5 | 36.4 | 49.7 | 57.1 | 65.0 | 59.9 | 50.1 | 34.8 | 28.4 | 14.2 | 34.6 | |
| | LOWEST DAILY MINIMUM | -21 | -21 | -3 | 21 | 39 | 45 | 54 | 46 | 31 | 18 | 5 | -6 | -21 | |
| | DATE OF OCCURRENCE | 01 | 10+ | 11 | 01 | 23+ | 02 | 01 | 31 | 24 | 19 | 28 | 31 | FEB 10+ | |
| | AVERAGE DRY BULB | 17.6 | 7.9 | 23.3 | 46.5 | 60.1 | 68.1 | 76.6 | 73.4 | 62.9 | 48.7 | 42.1 | 22.4 | 45.8 | |
| | MEAN WET BULB | 17.5 | 8.5 | 23.4 | 41.8 | 54.1 | 62.2 | 69.7 | 66.2 | 56.1 | 42.0 | 36.5 | 21.4 | 41.6 | |
| | MEAN DEW POINT | 15.0 | 5.2 | 20.7 | 37.1 | 49.1 | 58.2 | 66.0 | 62.2 | 51.2 | 34.7 | 30.4 | 17.9 | 37.3 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 1 | 3 | 16 | 9 | 3 | 1 | 0 | 0 | 33 | |
| | MAXIMUM ≤ 32° | 23 | 26 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 81 | |
| | MINIMUM ≤ 32° | 31 | 28 | 31 | 10 | 0 | 0 | 0 | 0 | 1 | 9 | 22 | 30 | 162 | |
| MINIMUM ≤ 0° | 9 | 16 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 35 | | |
| H/C | HEATING DEGREE DAYS | 1460 | 1592 | 1286 | 561 | 172 | 48 | 6 | 7 | 136 | 502 | 680 | 1313 | 7763 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 12 | 26 | 147 | 371 | 275 | 80 | 6 | 0 | 0 | 917 | |
| RH | MEAN (PERCENT) | 86 | 83 | 85 | 73 | 70 | 73 | 71 | 71 | 70 | 63 | 69 | 81 | 75 | |
| | HOUR 00 LST | 88 | 85 | 89 | 80 | 80 | 82 | 83 | 82 | 81 | 70 | 76 | 85 | 82 | |
| | HOUR 06 LST | 88 | 85 | 89 | 86 | 87 | 89 | 88 | 91 | 87 | 78 | 85 | 86 | 87 | |
| | HOUR 12 LST | 82 | 78 | 81 | 65 | 58 | 62 | 59 | 55 | 56 | 47 | 58 | 74 | 65 | |
| | HOUR 18 LST | 86 | 82 | 81 | 60 | 53 | 58 | 56 | 52 | 54 | 54 | 61 | 80 | 65 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 9 | 7 | 10 | 4 | 0 | 2 | 0 | 4 | 2 | 1 | 3 | 1 | 43 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 5 | 2 | 11 | 5 | 4 | 0 | 0 | 0 | 0 | 27 | |
| 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.) | 28.69 | 28.80 | 28.69 | 28.54 | 28.53 | 28.55 | 28.56 | 28.61 | 28.65 | 28.56 | 28.62 | 28.58 | 28.61 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.13 | 30.25 | 30.12 | 29.93 | 29.89 | 29.90 | 29.90 | 29.96 | 30.01 | 29.94 | 30.02 | 30.01 | 30.00 | |
| WINDS | RESULTANT SPEED (MPH) | 3.1 | 2.4 | 1.0 | 2.0 | 2.9 | 1.9 | 1.9 | 2.4 | 3.3 | 2.5 | 1.4 | 3.0 | 0.6 | |
| | RES. DIR. (TENS OF DEGS.) | 30 | 32 | 35 | 01 | 34 | 14 | 15 | 16 | 16 | 29 | 34 | 32 | 31 | |
| | MEAN SPEED (MPH) | 9.7 | 11.1 | 8.9 | 12.5 | 11.0 | 10.2 | 8.8 | 8.7 | 9.2 | 11.1 | 10.6 | 10.2 | 10.2 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 16 | 31 | 14 | 15 | 33 | 15 | 15 | 18 | 15 | 18 | 18 | 34 | 15 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 36 | 35 | 33 | 40 | 39 | 48 | 33 | 33 | 31 | 36 | 38 | 35 | 48 | |
| | DIR. (TENS OF DEGS.) | 34 | 31 | 29 | 33 | 31 | 36 | 18 | 36 | 01 | 34 | 36 | 35 | 36 | |
| | DATE OF OCCURRENCE | 26 | 25 | 13 | 12 | 06 | 09 | 30+ | 29 | 22 | 25 | 24 | 23 | JUN 09 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 43 | 40 | 40 | 48 | 45 | 70 | 41 | 40 | 36 | 43 | 45 | 39 | 70 | |
| DIR. (TENS OF DEGS.) | 34 | 35 | 29 | 31 | 32 | 22 | 16 | 35 | 03 | 34 | 01 | 01 | 22 | | |
| DATE OF OCCURRENCE | 26 | 04 | 13 | 12+ | 22+ | 09 | 30 | 29 | 23+ | 24 | 24 | 23 | JUN 09 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 2.53 | 1.15 | 0.77 | 6.64 | 2.41 | 5.03 | 2.59 | 1.08 | 1.73 | 0.44 | 2.35 | 0.06 | 26.78 | |
| | GREATEST 24-HOUR (IN.) | 1.77 | 0.44 | 0.38 | 2.51 | 0.99 | 3.87 | 1.69 | 1.00 | 0.87 | 0.30 | 1.32 | 0.05 | 3.87 | |
| | DATE OF OCCURRENCE | 29-30 | 07 | 11-12 | 06-07 | 06 | 12-13 | 20 | 14 | 13-14 | 09-10 | 23-24 | 22 | JUN 12-13 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 7 | 7 | 5 | 13 | 13 | 12 | 5 | 2 | 6 | 6 | 7 | 2 | 85 | |
| PRECIPITATION ≥ 0.10 | 4 | 4 | 2 | 7 | 4 | 6 | 4 | 1 | 6 | 1 | 3 | 0 | 42 | | |
| PRECIPITATION ≥ 1.00 | 1 | 0 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 7 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 28.7 | 19.4 | 4.4 | 4.5 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 11.2 | 1.6 | 69.8 | |
| | GREATEST 24-HOUR (IN.) | 19.5 | 8.1 | 4.3 | 4.5 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | 1.0 | 19.5 | |
| | DATE OF OCCURRENCE | 29-30 | 24-25 | 11-12 | 22-23 | | 13+ | 0 | 0 | 0 | 0 | 26-27 | 22 | JAN 29-30 | |
| | MAXIMUM SNOW DEPTH (IN.) | 26 | 36 | 36 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 9 | 36 | |
| | DATE OF OCCURRENCE | 31+ | 28+ | 01 | 01 | | | | | | | 30+ | 01 | MAR 01 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 5 | 3 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 14 | | |

HEATING DEGREE DAYS (base 65°F) 2001 HURON, SD (HON)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1972-73 | 26 | 38 | 171 | 621 | 997 | 1530 | 1428 | 1144 | 776 | 578 | 271 | 31 | 7611 |
| 1973-74 | 5 | 0 | 227 | 380 | 995 | 1499 | 1607 | 1131 | 948 | 506 | 346 | 73 | 7717 |
| 1974-75 | 1 | 36 | 218 | 414 | 954 | 1293 | 1489 | 1373 | 1239 | 756 | 195 | 67 | 8035 |
| 1975-76 | 4 | 3 | 236 | 447 | 966 | 1346 | 1561 | 1057 | 1043 | 502 | 306 | 39 | 7510 |
| 1976-77 | 5 | 4 | 173 | 706 | 1181 | 1514 | 1849 | 1101 | 958 | 374 | 61 | 12 | 7938 |
| 1977-78 | 0 | 27 | 129 | 506 | 1002 | 1530 | 2007 | 1620 | 1099 | 624 | 247 | 89 | 8880 |
| 1978-79 | 12 | 27 | 132 | 539 | 1070 | 1560 | 2006 | 1647 | 1130 | 668 | 374 | 35 | 9200 |
| 1979-80 | 0 | 32 | 122 | 574 | 997 | 1117 | 1485 | 1343 | 1088 | 489 | 193 | 29 | 7469 |
| 1980-81 | 1 | 19 | 160 | 578 | 835 | 1326 | 1322 | 1098 | 882 | 376 | 243 | 12 | 6852 |
| 1981-82 | 5 | 1 | 105 | 480 | 752 | 1456 | 1908 | 1287 | 976 | 609 | 173 | 85 | 7837 |
| 1982-83 | 0 | 19 | 168 | 489 | 1002 | 1193 | 1215 | 970 | 923 | 673 | 329 | 83 | 7064 |
| 1983-84 | 2 | 0 | 166 | 473 | 924 | 1926 | 1430 | 978 | 1101 | 528 | 294 | 36 | 7858 |
| 1984-85 | 4 | 7 | 277 | 493 | 883 | 1448 | 1598 | 1250 | 856 | 403 | 141 | 123 | 7483 |
| 1985-86 | 7 | 46 | 267 | 553 | 1383 | 1746 | 1412 | 1405 | 855 | 584 | 244 | 20 | 8522 |
| 1986-87 | 0 | 55 | 191 | 496 | 1091 | 1174 | 1235 | 881 | 889 | 354 | 96 | 20 | 6482 |
| 1987-88 | 7 | 53 | 118 | 635 | 828 | 1248 | 1744 | 1449 | 924 | 556 | 117 | 1 | 7680 |
| 1988-89 | 3 | 26 | 151 | 603 | 946 | 1326 | 1284 | 1601 | 1182 | 529 | 262 | 83 | 7996 |
| 1989-90 | 0 | 11 | 182 | 491 | 1024 | 1674 | 1131 | 1138 | 848 | 611 | 258 | 37 | 7405 |
| 1990-91 | 7 | 9 | 124 | 543 | 855 | 1564 | 1614 | 981 | 898 | 477 | 203 | 0 | 7275 |
| 1991-92 | 4 | 0 | 192 | 580 | 1131 | 1192 | 1191 | 1015 | 855 | 617 | 217 | 62 | 7056 |
| 1992-93 | 43 | 79 | 177 | 544 | 1021 | 1463 | 1561 | 1421 | 1037 | 602 | 243 | 86 | 8277 |
| 1993-94 | 3 | 25 | 274 | 593 | 1054 | 1371 | 1884 | 1521 | 889 | 568 | 177 | 25 | 8384 |
| 1994-95 | 12 | 37 | 132 | 429 | 871 | 1385 | 1508 | 1171 | 1005 | 728 | 308 | 51 | 7637 |
| 1995-96 | 9 | 3 | 211 | 590 | 1091 | 1331 | 1741 | 1265 | 1234 | 649 | 337 | 40 | 8501 |
| 1996-97 | 7 | 0 | 200 | 533 | 1252 | 1706 | 1745 | 1299 | 1083 | 698 | 320 | 7 | 8850 |
| 1997-98 | 19 | 13 | 99 | 447 | 1070 | 1122 | 1442 | 916 | 1157 | 476 | 135 | 88 | 6984 |
| 1998-99 | 0 | 0 | 71 | 422 | 860 | 1213 | 1553 | 920 | 868 | 518 | 209 | 45 | 6679 |
| 1999-00 | 3 | 3 | 205 | 518 | 672 | 1172 | 1409 | 987 | 754 | 548 | 180 | 59 | 6510 |
| 2000-01 | 14 | 8 | 149 | 387 | 1239 | 1785 | 1460 | 1592 | 1286 | 561 | 172 | 48 | 8701 |
| 2001- | 6 | 7 | 136 | 502 | 680 | 1313 | | | | | | | |

WBAN : 14936

COOLING DEGREE DAYS (base 65°F) 2001 HURON, SD (HON)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 0 | 0 | 0 | 0 | 62 | 94 | 181 | 222 | 46 | 0 | 0 | 0 | 605 |
| 1973 | 0 | 0 | 0 | 0 | 4 | 98 | 233 | 331 | 22 | 3 | 0 | 0 | 691 |
| 1974 | 0 | 0 | 0 | 0 | 18 | 109 | 448 | 166 | 29 | 1 | 0 | 0 | 771 |
| 1975 | 0 | 0 | 0 | 4 | 17 | 136 | 432 | 276 | 33 | 12 | 0 | 0 | 910 |
| 1976 | 0 | 0 | 0 | 0 | 2 | 170 | 313 | 328 | 75 | 3 | 0 | 0 | 891 |
| 1977 | 0 | 0 | 0 | 14 | 79 | 176 | 369 | 113 | 44 | 0 | 0 | 0 | 795 |
| 1978 | 0 | 0 | 0 | 0 | 21 | 119 | 196 | 227 | 173 | 0 | 0 | 0 | 736 |
| 1979 | 0 | 0 | 0 | 0 | 13 | 162 | 324 | 188 | 96 | 0 | 0 | 0 | 783 |
| 1980 | 0 | 0 | 0 | 18 | 56 | 139 | 269 | 199 | 66 | 10 | 0 | 0 | 757 |
| 1981 | 0 | 0 | 0 | 9 | 25 | 153 | 399 | 232 | 70 | 0 | 0 | 0 | 888 |
| 1982 | 0 | 0 | 0 | 0 | 14 | 50 | 329 | 263 | 57 | 0 | 0 | 0 | 713 |
| 1983 | 0 | 0 | 0 | 0 | 4 | 130 | 366 | 437 | 113 | 0 | 0 | 0 | 1050 |
| 1984 | 0 | 0 | 0 | 0 | 13 | 107 | 291 | 306 | 41 | 9 | 0 | 0 | 767 |
| 1985 | 0 | 0 | 0 | 7 | 55 | 73 | 246 | 112 | 71 | 0 | 0 | 0 | 564 |
| 1986 | 0 | 0 | 0 | 0 | 8 | 152 | 272 | 122 | 16 | 0 | 0 | 0 | 570 |
| 1987 | 0 | 0 | 0 | 20 | 92 | 209 | 342 | 173 | 41 | 0 | 0 | 0 | 877 |
| 1988 | 0 | 0 | 0 | 3 | 78 | 316 | 374 | 292 | 45 | 0 | 0 | 0 | 1108 |
| 1989 | 0 | 0 | 0 | 9 | 4 | 110 | 354 | 274 | 87 | 4 | 0 | 0 | 842 |
| 1990 | 0 | 0 | 0 | 28 | 9 | 154 | 211 | 257 | 174 | 6 | 0 | 0 | 839 |
| 1991 | 0 | 0 | 0 | 1 | 85 | 260 | 275 | 289 | 93 | 11 | 0 | 0 | 1014 |
| 1992 | 0 | 0 | 0 | 10 | 48 | 77 | 52 | 105 | 25 | 3 | 0 | 0 | 320 |
| 1993 | 0 | 0 | 0 | 0 | 7 | 66 | 163 | 197 | 14 | 1 | 0 | 0 | 448 |
| 1994 | 0 | 0 | 0 | 5 | 74 | 140 | 145 | 142 | 98 | 0 | 0 | 0 | 604 |
| 1995 | 0 | 0 | 0 | 0 | 1 | 177 | 263 | 293 | 69 | 2 | 0 | 0 | 805 |
| 1996 | 0 | 0 | 0 | 0 | 24 | 155 | 160 | 214 | 81 | 3 | 0 | 0 | 637 |
| 1997 | 0 | 0 | 0 | 0 | 6 | 167 | 277 | 208 | 74 | 25 | 0 | 0 | 757 |
| 1998 | 0 | 0 | 0 | 1 | 53 | 101 | 310 | 283 | 148 | 0 | 0 | 0 | 896 |
| 1999 | 0 | 0 | 0 | 0 | 13 | 124 | 336 | 240 | 27 | 1 | 0 | 0 | 741 |
| 2000 | 0 | 0 | 0 | 0 | 33 | 112 | 298 | 269 | 104 | 5 | 0 | 0 | 821 |
| 2001 | 0 | 0 | 0 | 12 | 26 | 147 | 371 | 275 | 80 | 6 | 0 | 0 | 917 |

SNOWFALL (inches) 2001 HURON, SD (HON)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1972-73 | 0.0 | 0.0 | 0.0 | 1.3 | 10.9 | 13.8 | 10.7 | 6.2 | 0.1 | T | T | 0.0 | 43.0 |
| 1973-74 | 0.0 | 0.0 | 0.0 | T | 6.1 | 10.6 | 1.4 | 8.0 | 6.0 | T | 0.0 | 0.0 | 32.1 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.3 | 27.7 | 5.9 | 33.9 | 0.7 | 0.0 | 0.0 | 71.5 |
| 1975-76 | 0.0 | 0.0 | 0.0 | T | 2.9 | 1.6 | 10.9 | 6.6 | 13.0 | T | T | 0.0 | 35.0 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 7.3 | 0.4 | 5.8 | 3.5 | 9.8 | 9.1 | 0.3 | 0.0 | 0.0 | 36.2 |
| 1977-78 | 0.0 | 0.0 | 0.0 | T | 7.8 | 6.5 | 4.2 | 9.0 | 4.8 | 0.8 | 0.0 | 0.0 | 33.1 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 5.9 | 23.8 | 5.9 | 2.6 | 4.0 | T | 0.0 | 45.7 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 2.5 | 3.2 | 0.4 | 1.5 | 6.0 | 8.6 | T | 0.0 | 0.0 | 22.2 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 1.5 | 0.8 | 3.0 | 1.6 | 2.3 | 1.2 | T | 0.0 | 0.0 | 10.4 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.1 | 8.0 | 7.4 | 23.8 | 1.8 | 9.5 | 9.1 | 0.0 | 0.0 | 59.7 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 2.7 | 2.1 | 4.4 | 0.7 | 0.5 | 11.8 | 5.1 | 0.0 | 0.0 | 27.3 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 16.9 | 6.9 | 4.3 | 6.8 | 19.1 | T | 0.0 | 0.0 | 54.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | T | 0.2 | 8.1 | 5.5 | 1.8 | 26.7 | 2.0 | 0.0 | 0.0 | 44.3 |
| 1985-86 | 0.0 | 0.0 | 0.0 | T | 32.7 | 11.8 | 6.3 | 4.8 | 7.0 | 4.0 | 0.0 | 0.0 | 66.6 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | T | 2.4 | 6.7 | 7.0 | T | 0.0 | 0.0 | 21.7 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 1.0 | 20.0 | 7.3 | 7.3 | 11.1 | 3.2 | 0.0 | 0.0 | 49.9 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 11.2 | 3.0 | 14.9 | 26.6 | 0.4 | 0.2 | 0.0 | 61.3 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 3.6 | 0.2 | 14.1 | 1.1 | 2.3 | 0.0 | T | 25.0 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 1.8 | T | 7.4 | 1.9 | 13.0 | 6.3 | 1.2 | T | 0.0 | 31.6 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 4.9 | 0.1 | 4.0 | 12.1 | 0.7 | 1.2 | 0.0 | T | 23.0 |
| 1992-93 | T | 0.0 | 0.0 | 0.4 | 7.9 | 4.7 | 5.8 | 11.7 | 8.1 | 2.7 | 0.0 | T | 41.3 |
| 1993-94 | 0.0 | T | 0.0 | T | 13.4 | 12.1 | 18.2 | 10.3 | 2.2 | 8.3 | 0.0 | T | 64.5 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 8.0 | 7.8 | 3.7 | 10.8 | 23.4 | 0.0 | 0.0 | 58.7 |
| 1995-96 | T | T | T | 10.7 | 7.4 | 4.1 | 18.7 | 8.5 | 10.0 | 1.4 | 0.0 | 0.0 | 60.8 |
| 1996-97 | T | T | 0.0 | 0.0 | 4.3 | 17.9 | 8.2 | 8.3 | 3.0 | 9.9 | 0.0 | T | 51.6 |
| 1997-98 | T | 0.0 | T | T | 2.4 | 1.7 | 10.0 | 5.2 | 18.0 | T | T | T | 37.3 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 14.7 | 5.2 | 11.3 | 4.7 | 1.6 | 0.2 | 0.0 | 0.0 | 37.7 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 4.8 | T | 2.6 | 1.8 | 0.6 | 0.4 | 14.0 | T | T | 24.2 |
| 2000-01 | 0.0 | 0.0 | 0.0 | T | 22.6 | 10.0 | 28.7 | 19.4 | 4.4 | 4.5 | 0.0 | T | 89.6 |
| 2001- | 0.0 | 0.0 | 0.0 | 0.0 | 11.2 | 1.6 | | | | | | | |
| POR= 60 YRS | T | T | T | 1.0 | 5.7 | 6.2 | 7.5 | 8.6 | 8.9 | 3.0 | 0.1 | T | 41.0 |

WBAN : 14936

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 HURON, SOUTH DAKOTA (HON)

Located on the west bank of the James River at about the middle of the river valley, Huron has a climate that can be classified as continental with frequent daily temperature fluctuations and distinct seasons. The seasons have varied quite markedly from year to year. Agriculture is the main industry in the area.

Winter is characteristically cold and dry with storms of short duration. Normal temperatures for the season are in the middle teens and precipitation is mainly in the form of snow. Seasonal snowfall has varied from under 9 inches to over 75 inches. Wintertime storms of blizzard proportions are infrequent, but they do occur. These blizzards are characterized by strong winds, low temperatures, snow, and very poor visibility. Many mild days can be expected during the winter since about 39 percent of the daily maximum temperatures are above the freezing mark.

Spring is characterized by marked upward trends in both precipitation and temperature with the moisture amounts increasing some three to four fold over winter. Nearly one-third, over 5 inches, of the annual total precipitation usually falls during the spring months. In early spring some of the precipitation falls as snow. As a consequence, the month of March has a slightly higher snowfall average than any of the winter months.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 29 and the average last occurrence in the spring is May 11.

Summers are hot but not extreme. Temperatures of 100 degrees or higher usually occur three or four times a year, but nights are normally cool and comfortable. Summertime precipitation is mainly in the form of showers and thunderstorms. Hail occurs about three times a year in the summertime thunderstorms. Sunshine also reaches its maximum during the summer months, when the sun shines during more than 70 percent of the daylight hours.

Autumn, with a relatively slow drop in temperature and steadily lessening amounts of rainfall, is a delightful season with mildly warm days, cool nights, and plentiful sunshine.

The terrain around Huron is exceptionally level and flat. Even the James River has a slope of only 4 to 6 inches per mile. However, floods in the Huron area have generally been of minor importance because the flood plain is agricultural land, and is not developed for homes or businesses. Heavy rains from summertime thunderstorms may, at times, cause some local flooding problems in the city. Moderate to fresh winds occur quite frequently during the daytime in all seasons of the year. Winds are normally from the north in the winter and from the south in the summer. The unusually level terrain helps to accentuate this tendency toward windy days.

STATION LOCATION

HURON, SOUTH DAKOTA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS |
|--|---------------|-------------|---|----------------|----------------|-----------------|-------------|-----------------|---------------------|--------------|-----------------|---------------|---------------|------------------|--|---------------------------------|--|
| | | | | | | SEA LEVEL | | GROUND | | | | | | | | | |
| | | | | | | GROUND | TEMPERATURE | WIND INSTRUMENT | EXTREME THERMOMETER | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE | RAINING GAUGE | 8 INCH RAIN GAGE | HYGROMETER | | |
| *NOTE: | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | |
| WB-FAA Building W.W. Howes Municipal Airport + | 3/11/68 | 11/01/96 | 350 ft. SE | 44°23' | 98°13' | 1281 | 20 | hs5 | hs5 | 24 j19 | 3 g6 | 5 g6 | 4 i4 | f4 k4 | f. Continued on original site. s. Standby equipment. g. Moved 325 ft. W 5/17/78. h. Moved 305 ft. W 5/17/78. i. Moved 10' NNE 5/17/78. j. Relocated 1/21/83. k. type change 5/29/85. | | |
| +Regional Airport effective 2/1977. | | | | | | | | | | | | | | | | | |
| Huron Regional Airport | 11/01/96 | Present | NA | 44°23' | 98°14' | 11281 | | | | | | | | S | ASOS Commissioned 11/01/96 l. Ground elevation. | | |

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* NOTES: For earlier station history see previous editions.