### Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

**COOP ID: 476208** 

Lon: 87°57W

Station: OCONTO 4 W, WI

**Climate Division: WI 3** 

**NWS Call Sign:** 

Temperature (°F)

Elevation: 660 Feet Lat: 44°53N

| Mea     |  |   |  |  |   |  |  
   
  |   |   |   |  |  |  |   
   
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--|---|--|
| Max Min |  |   |  |  |   |  | Extr   
   
  | emes  |   |   |  |  | Degree<br>Base To  | •   
   
  | Mean Number of Days (3)  |   |  |  |   
  |   |  |
|         |  | Mean  | Highest<br>Daily(2)  | Year   | Day   | Highest<br>Month(1)<br>Mean  | Year   
   
  | Lowest<br>Daily(2)  | Year  | Day   | Lowest<br>Month(1)<br>Mean   | Year   | Heating  | Cooling   
   
  | Max >= 100   | Max<br>>=<br>90   | Max >= 50  | Max <= 32  | Min <= 32   
  | Min <= 0  |  |
| 23.3    | 4.5  | 13.9  | 51   | 1973   | 26  | 23.8   | 1990   
   
  | -35   | 1994  | 19  | 4.1  | 1977   | 1584   | 0   
   
  | .0   | .0  | @  | 23.9   | 30.9  
  | 12.6  |  |
| 28.3    | 8.5  | 18.4  | 57+  | 2000   | 27  | 30.7   | 1998   
   
  | -35   | 1996  | 3   | 7.6  | 1979   | 1305   | 0   
   
  | .0   | .0  | .5   | 17.2   | 27.7  
  | 9.0   |  |
| 38.7    | 19.3   | 29.0  | 77   | 2000   | 8   | 38.8   | 2000   
   
  | -27   | 1962  | 1   | 22.4   | 1989   | 1116   | 0   
   
  | .0   | .0  | 4.5  | 7.8  | 28.0  
  | 2.4   |  |
| 52.7    | 31.2   | 42.0  | 90   | 1980   | 23  | 46.9   | 1986   
   
  | 5   | 1954  | 3   | 35.8   | 1975   | 691  | 0   
   
  | .0   | @   | 17.5   | .6   | 17.9  
  | .0  |  |
| 66.4    | 42.4   | 54.4  | 94   | 1959   | 2   | 61.6   | 1977   
   
  | 21  | 1954  | 5   | 47.6   | 1983   | 352  | 22  
   
  | .0   | .1  | 29.5   | .0   | 4.2   
  | .0  |  |
| 75.2    | 52.1   | 63.7  | 97   | 1964   | 30  | 68.5   | 1971   
   
  | 30  | 1997  | 17  | 58.0   | 1982   | 105  | 65  
   
  | .0   | 1.3   | 30.0   | .0   | .1  
  | .0  |  |
| 79.8    | 56.9   | 68.4  | 100  | 1955   | 26  | 73.0   | 1983   
   
  | 37+   | 1972  | 5   | 62.4   | 1992   | 29   | 133   
   
  | .0   | 2.6   | 31.0   | .0   | .0  
  | .0  |  |
| 77.4    | 54.8   | 66.1  | 102  | 1955   | 21  | 70.9   | 1995   
   
  | 37+   | 1986  | 28  | 62.2   | 1992   | 63   | 96  
   
  | .0   | .9  | 31.0   | .0   | .0  
  | .0  |  |
| 69.1    | 45.9   | 57.5  | 98   | 1953   | 1   | 62.8   | 1998   
   
  | 23+   | 1976  | 24  | 52.6   | 1974   | 236  | 11  
   
  | .0   | .1  | 29.9   | .0   | 1.8   
  | .0  |  |
| 57.2    | 35.5   | 46.4  | 89   | 1963   | 6   | 53.2   | 1971   
   
  | 14  | 1988  | 30  | 41.0   | 1988   | 579  | 0   
   
  | .0   | .0  | 24.7   | .0   | 12.1  
  | .0  |  |
| 41.7    | 24.7   | 33.2  | 74+  | 1999   | 10  | 40.2   | 1999   
   
  | -8  | 1976  | 29  | 26.0   | 1995   | 955  | 0   
   
  | .0   | .0  | 6.9  | 5.0  | 24.2  
  | .4  |  |
| 28.3    | 11.6   | 20.0  | 62+  | 2001   | 6   | 27.5   | 1997   
   
  | -22   | 1976  | 29  | 8.8  | 1989   | 1397   | 0   
   
  | .0   | .0  | .7   | 18.5   | 30.3  
  | 6.8   |  |
| 53.2    | 32.3   | 42.8  | 102  | Aug  | 21  | 73.0   | Jul<br>1983  
   
  | -35+  | Feb   | 3   | 4.1  | Jan<br>1977  | 8412   | 327   
   
  | 0  | 5.0   | 206.2  | 73.0   | 177.2   
  | 31.2  |  |
|         | 23.3 28.3 38.7 52.7 66.4 75.2 79.8 77.4 69.1 57.2 41.7 | Max         Min           23.3         4.5           28.3         8.5           38.7         19.3           52.7         31.2           66.4         42.4           75.2         52.1           79.8         56.9           77.4         54.8           69.1         45.9           57.2         35.5           41.7         24.7           28.3         11.6 | Max         Min         Mean           23.3         4.5         13.9           28.3         8.5         18.4           38.7         19.3         29.0           52.7         31.2         42.0           66.4         42.4         54.4           75.2         52.1         63.7           79.8         56.9         68.4           77.4         54.8         66.1           69.1         45.9         57.5           57.2         35.5         46.4           41.7         24.7         33.2           28.3         11.6         20.0 | Max         Min         Mean         Daily(2)           23.3         4.5         13.9         51           28.3         8.5         18.4         57+           38.7         19.3         29.0         77           52.7         31.2         42.0         90           66.4         42.4         54.4         94           75.2         52.1         63.7         97           79.8         56.9         68.4         100           77.4         54.8         66.1         102           69.1         45.9         57.5         98           57.2         35.5         46.4         89           41.7         24.7         33.2         74+           28.3         11.6         20.0         62+ | Max         Min         Mean         Daily(2)         Year           23.3         4.5         13.9         51         1973           28.3         8.5         18.4         57+         2000           38.7         19.3         29.0         77         2000           52.7         31.2         42.0         90         1980           66.4         42.4         54.4         94         1959           75.2         52.1         63.7         97         1964           79.8         56.9         68.4         100         1955           77.4         54.8         66.1         102         1955           69.1         45.9         57.5         98         1953           57.2         35.5         46.4         89         1963           41.7         24.7         33.2         74+         1999           28.3         11.6         20.0         62+         2001           Aug | Max         Min         Mean         Daily(2)         Year         Day           23.3         4.5         13.9         51         1973         26           28.3         8.5         18.4         57+         2000         27           38.7         19.3         29.0         77         2000         8           52.7         31.2         42.0         90         1980         23           66.4         42.4         54.4         94         1959         2           75.2         52.1         63.7         97         1964         30           79.8         56.9         68.4         100         1955         26           77.4         54.8         66.1         102         1955         21           69.1         45.9         57.5         98         1953         1           57.2         35.5         46.4         89         1963         6           41.7         24.7         33.2         74+         1999         10           28.3         11.6         20.0         62+         2001         6 | Daily Max         Daily Min         Mean Mean         Highest Daily(2)         Year         Day         Month(1) Mean           23.3         4.5         13.9         51         1973         26         23.8           28.3         8.5         18.4         57+         2000         27         30.7           38.7         19.3         29.0         77         2000         8         38.8           52.7         31.2         42.0         90         1980         23         46.9           66.4         42.4         54.4         94         1959         2         61.6           75.2         52.1         63.7         97         1964         30         68.5           79.8         56.9         68.4         100         1955         26         73.0           77.4         54.8         66.1         102         1955         21         70.9           69.1         45.9         57.5         98         1953         1         62.8           57.2         35.5         46.4         89         1963         6         53.2           41.7         24.7         33.2         74+         1999         10 <td< td=""><td>Daily Max         Daily Min         Mean         Highest Daily(2)         Year         Day         Month(1) Mean         Year           23.3         4.5         13.9         51         1973         26         23.8         1990           28.3         8.5         18.4         57+         2000         27         30.7         1998           38.7         19.3         29.0         77         2000         8         38.8         2000           52.7         31.2         42.0         90         1980         23         46.9         1986           66.4         42.4         54.4         94         1959         2         61.6         1977           75.2         52.1         63.7         97         1964         30         68.5         1971           79.8         56.9         68.4         100         1955         26         73.0         1983           77.4         54.8         66.1         102         1955         21         70.9         1995           69.1         45.9         57.5         98         1953         1         62.8         1998           57.2         35.5         46.4         89</td><td>Daily Max         Daily Min         Mean Min         Highest Daily(2)         Year         Day Mean         Month(1) Mean         Year Daily(2)         Lowest Daily(2)           23.3         4.5         13.9         51         1973         26         23.8         1990         -35           28.3         8.5         18.4         57+         2000         27         30.7         1998         -35           38.7         19.3         29.0         77         2000         8         38.8         2000         -27           52.7         31.2         42.0         90         1980         23         46.9         1986         5           66.4         42.4         54.4         94         1959         2         61.6         1977         21           75.2         52.1         63.7         97         1964         30         68.5         1971         30           79.8         56.9         68.4         100         1955         26         73.0         1983         37+           77.4         54.8         66.1         102         1955         21         70.9         1995         37+           69.1         45.9         57.5</td><td>Daily Max         Daily Min         Mean         Highest Daily(2)         Year         Day         Month(1) Mean         Year Daily(2)         Year Daily</td><td>Daily Max         Daily Min         Mean Min         Highest Daily(2)         Year Day         Day Month(1) Mean         Year Daily(2)         Lowest Daily(2)         Year Day         Day           23.3         4.5         13.9         51         1973         26         23.8         1990         -35         1994         19           28.3         8.5         18.4         57+         2000         27         30.7         1998         -35         1996         3           38.7         19.3         29.0         77         2000         8         38.8         2000         -27         1962         1           52.7         31.2         42.0         90         1980         23         46.9         1986         5         1954         3           66.4         42.4         54.4         94         1959         2         61.6         1977         21         1954         5           75.2         52.1         63.7         97         1964         30         68.5         1971         30         1997         17           79.8         56.9         68.4         100         1955         26         73.0         1983         37+         1972</td><td>Daily Max         Mean Min         Mean Daily(2)         Year Day Day Day         Month(1) Mean         Year Day Day Day Day Day Day Day Day Day Day</td><td>Daily Max         Min         Mean         Highest Daily(2)         Year         Day         Month(1) Mean         Year Daily(2)         Year Day         Month(1) Mean         Year Daily(2)         Wear Mean         Day         Month(1) Mean         Year Mean         Pear Mea</td><td>Daily Max         Daily Max         Mean         Highest Daily(2)         Year         Day         Highest Month(1) Mean         Year Daily(2)         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Month(1) Mean<td>  Daily Max   Daily Mean   Highest Daily(2)   Year   Day   Highest Month(1) Mean   Year Daily(2)   Year Day   Lowest Daily(2)   Year Day   Lowest Month(1) Mean   Year Month(1) M</td><td>Daily Max         Daily Max         Mean         Highest Daily(2)         Vear Day         Lowest Mean         Lowest Daily(2)         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Day         Lowest Month(1) Mean         Year Day         Lowest Daily(2)         Day         Lowest Month(1) Mean         Year Day         Lowest Month(1) Mean         Lowest Month(1) Mean         Year Day         Lowest Day</td><td>Daily Max         Daily Max         Mean Max         Highest Daily(2)         Vear Day Mean         Lowest Month(1) Mean         Year Day Mean         Lowest Month(1) Mean         Year Daily(2)         Vear Month(1) Mean         Year Daily(2)         Lowest Month(1) Mean         Year Meatic         Year</td><td>  Daily Max   Daily Min   Mean   Highest Daily (2)   Vear Day   Highest Daily (2)   Vear Da</td><td>  Daily Max   Daily Mean   Highest Daily   Vear Day   Day Month Mean   Vear Daily   Vear Day Mean   Vear Daily   Vear Day Day Daily   Vear Day Day Daily   Vear Day Day Daily   Vear Day Daily   Vear Day Daily   Vear Day Day Daily   Ve</td><td>  Max   Max</td></td></td<> | Daily Max         Daily Min         Mean         Highest Daily(2)         Year         Day         Month(1) Mean         Year           23.3         4.5         13.9         51         1973         26         23.8         1990           28.3         8.5         18.4         57+         2000         27         30.7         1998           38.7         19.3         29.0         77         2000         8         38.8         2000           52.7         31.2         42.0         90         1980         23         46.9         1986           66.4         42.4         54.4         94         1959         2         61.6         1977           75.2         52.1         63.7         97         1964         30         68.5         1971           79.8         56.9         68.4         100         1955         26         73.0         1983           77.4         54.8         66.1         102         1955         21         70.9         1995           69.1         45.9         57.5         98         1953         1         62.8         1998           57.2         35.5         46.4         89 | Daily Max         Daily Min         Mean Min         Highest Daily(2)         Year         Day Mean         Month(1) Mean         Year Daily(2)         Lowest Daily(2)           23.3         4.5         13.9         51         1973         26         23.8         1990         -35           28.3         8.5         18.4         57+         2000         27         30.7         1998         -35           38.7         19.3         29.0         77         2000         8         38.8         2000         -27           52.7         31.2         42.0         90         1980         23         46.9         1986         5           66.4         42.4         54.4         94         1959         2         61.6         1977         21           75.2         52.1         63.7         97         1964         30         68.5         1971         30           79.8         56.9         68.4         100         1955         26         73.0         1983         37+           77.4         54.8         66.1         102         1955         21         70.9         1995         37+           69.1         45.9         57.5 | Daily Max         Daily Min         Mean         Highest Daily(2)         Year         Day         Month(1) Mean         Year Daily(2)         Year Daily | Daily Max         Daily Min         Mean Min         Highest Daily(2)         Year Day         Day Month(1) Mean         Year Daily(2)         Lowest Daily(2)         Year Day         Day           23.3         4.5         13.9         51         1973         26         23.8         1990         -35         1994         19           28.3         8.5         18.4         57+         2000         27         30.7         1998         -35         1996         3           38.7         19.3         29.0         77         2000         8         38.8         2000         -27         1962         1           52.7         31.2         42.0         90         1980         23         46.9         1986         5         1954         3           66.4         42.4         54.4         94         1959         2         61.6         1977         21         1954         5           75.2         52.1         63.7         97         1964         30         68.5         1971         30         1997         17           79.8         56.9         68.4         100         1955         26         73.0         1983         37+         1972 | Daily Max         Mean Min         Mean Daily(2)         Year Day Day Day         Month(1) Mean         Year Day | Daily Max         Min         Mean         Highest Daily(2)         Year         Day         Month(1) Mean         Year Daily(2)         Year Day         Month(1) Mean         Year Daily(2)         Wear Mean         Day         Month(1) Mean         Year Mean         Pear Mea | Daily Max         Daily Max         Mean         Highest Daily(2)         Year         Day         Highest Month(1) Mean         Year Daily(2)         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Month(1) Mean <td>  Daily Max   Daily Mean   Highest Daily(2)   Year   Day   Highest Month(1) Mean   Year Daily(2)   Year Day   Lowest Daily(2)   Year Day   Lowest Month(1) Mean   Year Month(1) M</td> <td>Daily Max         Daily Max         Mean         Highest Daily(2)         Vear Day         Lowest Mean         Lowest Daily(2)         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Day         Lowest Month(1) Mean         Year Day         Lowest Daily(2)         Day         Lowest Month(1) Mean         Year Day         Lowest Month(1) Mean         Lowest Month(1) Mean         Year Day         Lowest Day</td> <td>Daily Max         Daily Max         Mean Max         Highest Daily(2)         Vear Day Mean         Lowest Month(1) Mean         Year Day Mean         Lowest Month(1) Mean         Year Daily(2)         Vear Month(1) Mean         Year Daily(2)         Lowest Month(1) Mean         Year Meatic         Year</td> <td>  Daily Max   Daily Min   Mean   Highest Daily (2)   Vear Day   Highest Daily (2)   Vear Da</td> <td>  Daily Max   Daily Mean   Highest Daily   Vear Day   Day Month Mean   Vear Daily   Vear Day Mean   Vear Daily   Vear Day Day Daily   Vear Day Day Daily   Vear Day Day Daily   Vear Day Daily   Vear Day Daily   Vear Day Day Daily   Ve</td> <td>  Max   Max</td> | Daily Max   Daily Mean   Highest Daily(2)   Year   Day   Highest Month(1) Mean   Year Daily(2)   Year Day   Lowest Daily(2)   Year Day   Lowest Month(1) Mean   Year Month(1) M | Daily Max         Daily Max         Mean         Highest Daily(2)         Vear Day         Lowest Mean         Lowest Daily(2)         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Day         Lowest Daily(2)         Year Day         Lowest Month(1) Mean         Year Day         Lowest Month(1) Mean         Year Day         Lowest Daily(2)         Day         Lowest Month(1) Mean         Year Day         Lowest Month(1) Mean         Lowest Month(1) Mean         Year Day         Lowest Day | Daily Max         Daily Max         Mean Max         Highest Daily(2)         Vear Day Mean         Lowest Month(1) Mean         Year Day Mean         Lowest Month(1) Mean         Year Daily(2)         Vear Month(1) Mean         Year Daily(2)         Lowest Month(1) Mean         Year Meatic         Year | Daily Max   Daily Min   Mean   Highest Daily (2)   Vear Day   Highest Daily (2)   Vear Da | Daily Max   Daily Mean   Highest Daily   Vear Day   Day Month Mean   Vear Daily   Vear Day Mean   Vear Daily   Vear Day Day Daily   Vear Day Day Daily   Vear Day Day Daily   Vear Day Daily   Vear Day Daily   Vear Day Day Daily   Ve | Max   Max |  |

<sup>+</sup> Also occurred on an earlier date(s)

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004 081-A

- (1) From the 1971-2000 Monthly Normals
- (2) Derived from station's available digital record: 1948-2001
- (3) Derived from 1971-2000 serially complete daily data

<sup>@</sup> Denotes mean number of days greater than 0 but less than .05

## Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

**COOP ID: 476208** 

Station: OCONTO 4 W, WI

**Climate Division: WI 3** 

NWS Call Sign: Elevation: 660 Feet Lat: 44°53N Lon: 87°57W

										Pı	recipit	tation	(incl	nes)										
			P	recipi	itatio	on Total	s			М	ean N	lumbo ays (3		Proba	ability th	nat the r		annual j		babilit ation wil		ıal to or	less tha	ın the
	Mea Medi					Extremes	3			D	aily Pre	cipitatio	n		Th		•		•	vs Probal incomplet	•		ion	
Month	Mean	Med- ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.91	1.73	1.90	1996	27	6.39	1996	.07	1981	7.9	5.3	1.0	.2	.22	.37	.63	.90	1.18	1.50	1.87	2.33	2.96	3.99	5.00
Feb	1.18	1.04	1.20	1984	13	2.98	1981	.22	1993	6.1	3.8	.6	.1	.24	.35	.52	.68	.84	1.01	1.20	1.43	1.74	2.23	2.70
Mar	2.32	2.31	2.00	1998	31	5.76	1977	.17	1978	7.8	5.3	1.8	.3	.35	.55	.89	1.21	1.54	1.90	2.32	2.83	3.51	4.63	5.69
Apr	2.63	2.50	2.65	1980	9	4.92	1993	.15	1997	8.9	5.9	1.8	.4	.70	.95	1.33	1.66	1.99	2.34	2.72	3.17	3.77	4.70	5.57
May	3.15	3.06	3.21	1973	28	9.58	1973	.43	1988	8.9	5.9	1.9	.8	.77	1.06	1.52	1.93	2.33	2.76	3.24	3.81	4.55	5.73	6.84
Jun	3.53	2.89	3.22	1990	23	8.42	1990	.71	1976	9.8	6.8	2.3	.8	.87	1.20	1.71	2.17	2.62	3.10	3.63	4.26	5.09	6.41	7.64
Jul	3.83	3.09	6.40	1991	29	9.48	1991	.79	1981	10.0	6.8	2.4	1.0	1.05	1.42	1.97	2.45	2.92	3.42	3.97	4.62	5.46	6.79	8.03
Aug	3.40	3.14	5.50	1964	1	6.63	1995	.40	1971	9.2	6.5	2.4	.9	.99	1.31	1.80	2.22	2.63	3.06	3.53	4.09	4.81	5.94	6.99
Sep	3.25	3.01	2.91	1975	11	6.28	1986	.89	1989	9.6	6.3	2.2	.8	1.09	1.39	1.85	2.23	2.60	2.98	3.39	3.88	4.50	5.47	6.36
Oct	2.31	2.17	1.96	1984	19	5.65	1995	.34	2000	7.8	4.9	1.5	.5	.61	.83	1.16	1.46	1.75	2.05	2.39	2.79	3.31	4.13	4.90
Nov	2.49	2.27	2.41	1984	1	6.54	1992	.06	1976	7.9	5.3	1.5	.5	.40	.61	.98	1.32	1.67	2.06	2.50	3.04	3.76	4.94	6.06
Dec	1.70	1.57	1.83	1959	28	3.71	1987	.25+	1994	8.3	5.2	.9	.1	.42	.58	.83	1.05	1.27	1.50	1.76	2.06	2.47	3.10	3.70
Ann	31.70	31.80	6.40	Jul 1991	29	9.58	May 1973	.06	Nov 1976	102.2	68.0	20.3	6.4	23.21	24.87	26.99	28.60	30.02	31.38	32.79	34.35	36.23	38.95	41.29

<sup>+</sup> Also occurred on an earlier date(s)

Complete documentation available from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

<sup>#</sup> Denotes amounts of a trace

<sup>@</sup> Denotes mean number of days greater than 0 but less than .05

<sup>\*\*</sup> Statistics not computed because less than six years out of thirty had measurable precipitation

<sup>(1)</sup> From the 1971-2000 Monthly Normals

<sup>(2)</sup> Derived from station's available digital record: 1948-2001

<sup>(3)</sup> Derived from 1971-2000 serially complete daily data

## Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

**COOP ID: 476208** 

**Station: OCONTO 4 W, WI** 

Climate Division: WI 3 NWS Call Sign: Elevation: 660 Feet Lat: 44°53N Lon: 87°57W

										Snov	w (incl	hes)											
						Sno	ow To	tals									Mea	n Nu	mber	of Day	ys (1)		
	Mean	s/Medi	ans (1)	1					Extre	mes (2)							ow Fa					Depth esholo	
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.8	8.7	7	6	14.0	1996	27	31.1	1976	32	1979	24	21	1979	7.0	4.7	1.7	.7	.1	26.2	17.6	11.0	2.1
Feb	8.9	8.0	7	6	8.0	1997	5	24.0	1975	36	1979	16	28	1979	5.0	3.3	1.0	.3	.0	21.5	17.3	13.1	5.0
Mar	7.4	7.8	3	1	13.0	1997	14	25.5	1972	24	1997	16	10	1972	3.4	2.5	1.2	.4	.1	10.5	6.6	4.7	1.2
Apr	3.1	2.0	#	#	9.0	1991	10	11.5	1991	11	1977	5	1	1992	1.6	1.1	.3	.1	.0	1.7	.7	.3	.0
May	.0	.0	#	0	.5	1997	1	.5	1997	#	1997	15	#	1997	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	4.0	1976	19	4.0	1976	4	1976	19	#+	1992	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	3.8	2.8	#	#	6.6	1971	27	11.1	1995	9	1971	29	1+	2000	2.7	1.7	.3	.1	.0	3.6	1.4	.3	.0
Dec	12.9	13.3	4	3	13.0	1985	2	28.0	1977	19	1985	2	13	1985	6.5	4.5	1.4	.4	.1	17.4	11.5	6.3	2.0
Ann	48.1	42.6	N/A	N/A	14.0	Jan 1996	27	31.1	Jan 1976	36	Feb 1979	16	28	Feb 1979	26.3	17.9	5.9	2.0	.3	81.0	55.1	35.7	10.3

<sup>+</sup> Also occurred on an earlier date(s) #Denotes trace amounts

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

<sup>@</sup> Denotes mean number of days greater than 0 but less than .05

<sup>-9/-9.9</sup> represents missing values Annual statistics for Mean/Median snow depths are not appropriate

<sup>(1)</sup> Derived from Snow Climatology and 1971-2000 daily data

<sup>(2)</sup> Derived from 1971-2000 daily data

# Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

**COOP ID: 476208** 

**Station: OCONTO 4 W, WI** 

Climate Division: WI 3 NWS Call Sign:

Elevation: 660 Feet Lat: 44°53N Lon: 87°57W

				Freez	e Data								
			Spri	ng Freeze D	ates (Month/	(Day)							
28         9/22         9/27         10/01         10/04         10/07         10/10         10/14         10/17         10/23           24         10/02         10/08         10/13         10/17         10/21         10/25         10/29         11/03         11/09           20         10/19         10/24         10/28         11/01         11/04         11/07         11/10         11/14         11/20													
Temp (F)	.10	.20	.30	.40	.50	.60	.70	.80	.90				
36	6/13	6/08	6/04	6/01	5/29	5/26	5/22	5/19	5/13				
32	5/31	5/25	5/21	5/18	5/15	5/12	5/08	5/04	4/29				
28	5/15	5/10	5/07	5/04	5/01	4/29	4/26	4/22	4/18				
24	5/02	4/27	4/24	4/21	4/18	4/15	4/12	4/09	4/04				
20	4/19	4/14	4/11	4/08	4/06	4/03	4/01	3/29	3/24				
16	4/12	4/07	4/04	4/01	3/30	3/27	3/24	3/21	3/16				
			Fal	l Freeze Da	tes (Month/D	Day)							
Tomp (E)		Pro	bability of ea	arlier date i	n fall (beginr	ing Aug 1) t	han indicate	ed(*)					
remb (r)	.10	.20	.30	.40	.50	.60	.70	.80	.90				
36	9/08	9/11	9/14	9/16	9/18	9/20	9/22	9/24	9/28				
32	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/05	10/09				
28	9/22	9/27	10/01	10/04	10/07	10/10	10/14	10/17	10/23				
24	10/02	10/08	10/13	10/17	10/21	10/25	10/29	11/03	11/09				
20	10/19	10/24	10/28	11/01	11/04	11/07	11/10	11/14	11/20				
16	11/01	11/06	11/09	11/12	11/15	11/18	11/21	11/25	11/30				
				Freeze F	ree Period								
Tomn (F)			Probability	of longer th	an indicated	freeze free p	eriod (Days)						
remp (r)	.10	.20	.30	.40	.50	.60	.70	.80	.90				
36	127	122	118	115	111	108	105	101	96				
32	152	146	142	138	134	131	127	123	117				
28	181	174	168	163	158	154	149	143	136				
24	208	200	195	190	185	181	176	170	163				
20	230	224	219	215	211	207	203	198	192				
16	247	241	237	233	230	227	223	219	213				

<sup>\*</sup> Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

**0/00** Indicates that the probability of occurrence of threshold temperature is less than the indicated probability. Derived from 1971-2000 serially complete daily data

Complete do

Complete documentation available from:

# Climatography of the United States No. 20 1971-2000

National Climatic Data Center Federal Building 151 Patton Avenue Asheville, North Carolina 28801 www.ncdc.noaa.gov

**Station: OCONTO 4 W, WI** 

COOP ID: 476208

Climate Division: WI 3 NWS Call Sign: Elevation: 660 Feet Lat: 44°53N Lon: 87°57W

				Deg	ree Days to	o Selected	Base Tem	peratures	(°F)				
Base						Heatin	g Degree	Days (1)					
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1584	1305	1116	691	352	105	29	63	236	579	955	1397	8412
60	1429	1165	961	542	233	41	5	16	122	430	805	1242	6991
57	1336	1081	868	455	174	20	0	5	73	345	715	1149	6221
55	1274	1025	806	398	139	11	0	2	49	292	655	1087	5738
50	1119	885	652	268	72	2	0	0	13	179	507	932	4629
32	579	409	194	17	0	0	0	0	0	6	103	423	1731

Base						Coolin	g Degree I	Days (1)					
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	17	28	101	316	693	950	1127	1056	764	450	138	49	5689
55	0	0	0	8	120	271	414	345	123	23	0	0	1304
57	0	0	0	4	92	220	352	286	87	14	0	0	1055
60	0	0	0	2	58	151	264	204	47	6	0	0	732
65	0	0	0	0	22	65	133	96	11	0	0	0	327
70	0	0	0	0	7	17	49	30	1	0	0	0	104

										Gro	wing	Degre	e Uni	ts (2)										
Base					Growing	g Degree	Units (N	(Ionthly)					Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0	0	23	144	458	723	893	822	540	240	44	1	0	0	23	167	625	1348	2241	3063	3603	3843	3887	3888
45	0	0	8	75	317	573	738	667	392	136	16	1	0	0	8	83	400	973	1711	2378	2770	2906	2922	2923
50	0	0	2	39	196	424	583	512	260	67	5	0	0	0	2	41	237	661	1244	1756	2016	2083	2088	2088
55	0	0	0	14	109	281	428	357	144	23	0	0	0	0	0	14	123	404	832	1189	1333	1356	1356	1356
60	0	0	0	7	52	163	280	214	70	4	0	0	0	0	0	7	59	222	502	716	786	790	790	790
Base	Growing Degree Units for Corn (Monthly)													Gr	owing D	egree Un	its for C	orn (Acc	umulate	d Month	ly)			
50/86	<b>0/86</b> 0 0 21 98 282 452 579 523 327 151 22										0	0	0	21	119	401	853	1432	1955	2282	2433	2455	2455	

(1) Derived from the 1971-2000 Monthly Normals

(2) Derived from 1971-2000 serially complete daily data

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

#### Notes

- a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.
- b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.
  - c. Only observed validated values were used to select the extreme daily values.
  - d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.

Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.

e. Degree Days were derived using the same techniques as the 1971-2000 normals.

Compete documentation for the 1971-2000 Normals is available on the internet from:

www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set .

Documentation of the serially complete data set is available from the link below:

g. Snowfall and snow depth statistics were derived from the Snow Climatology.

Documentation for the Snow Climatology project is available from the link under references.

#### **Data Sources for Tables**

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

- a. Temperature/ Precipitation Tables
  - 1. 1971-2000 Monthly Normals
  - 2. Cooperative Summary of the Day
  - 3. National Weather Service station records
  - 4. 1971-2000 serially complete daily data

- c. Snow Tables
  - 1. Snow Climatology
  - 2. Cooperative Summary of the Day
- d. Freeze Data Table

1971-2000 serially complete daily data

- b. Degree Day Table
  - 1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
  - 2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

### References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html

U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html

Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html

Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,

www1.ncdc.noaa.gov/pub/data/special/ serialcomplete\_jam\_0900.pdf