

## MONTHLY CLIMATOLOGICAL SUMMARY for JUL. 2002

NAME: derbyvp2 CITY: Sheffield STATE: South Yorkshire  
 ELEV: 525 ft LAT: 53° 21' 02" N LONG: 1° 28' 42" W

TEMPERATURE (°C), RAIN (mm), WIND SPEED (mph)

| DAY | MEAN<br>TEMP | HIGH | TIME  | LOW  | TIME  | HEAT<br>DEG<br>DAYS | COOL<br>DEG<br>DAYS | RAIN  | AVG<br>WIND<br>SPEED | HIGH | TIME  | DOM<br>DIR |
|-----|--------------|------|-------|------|-------|---------------------|---------------------|-------|----------------------|------|-------|------------|
| 1   | 11.8         | 14.4 | 11:15 | 9.4  | 23:45 | 6.5                 | 0.0                 | 3.4   | 7.2                  | 27.0 | 18:20 | SW         |
| 2   | 12.7         | 16.7 | 15:10 | 9.4  | 0:05  | 5.5                 | 0.0                 | 1.2   | 7.6                  | 28.0 | 11:05 | SW         |
| 3   | 13.2         | 17.0 | 11:50 | 10.2 | 1:30  | 5.1                 | 0.0                 | 1.8   | 5.9                  | 25.0 | 13:30 | NW         |
| 4   | 13.8         | 17.6 | 14:10 | 10.9 | 4:35  | 4.5                 | 0.0                 | 4.8   | 5.4                  | 30.0 | 6:10  | NW         |
| 5   | 11.9         | 13.0 | 15:25 | 10.7 | 3:40  | 6.4                 | 0.0                 | 11.8  | 5.9                  | 20.0 | 17:00 | NE         |
| 6   | 14.7         | 19.9 | 14:50 | 8.9  | 3:25  | 3.8                 | 0.1                 | 0.0   | 3.2                  | 18.0 | 14:15 | SW         |
| 7   | 16.3         | 21.7 | 15:10 | 11.9 | 2:50  | 2.7                 | 0.7                 | 0.0   | 5.4                  | 23.0 | 21:25 | SW         |
| 8   | 16.2         | 20.7 | 12:45 | 12.4 | 23:50 | 2.5                 | 0.5                 | 5.4   | 7.4                  | 31.0 | 10:40 | SW         |
| 9   | 12.7         | 14.4 | 15:05 | 10.6 | 00:00 | 5.6                 | 0.0                 | 6.2   | 2.5                  | 11.0 | 15:55 | SW         |
| 10  | 13.7         | 19.9 | 12:50 | 8.2  | 4:05  | 4.7                 | 0.1                 | 0.4   | 5.3                  | 23.0 | 15:05 | SW         |
| 11  | 13.8         | 18.4 | 14:25 | 10.0 | 0:45  | 4.5                 | 0.0                 | 0.2   | 5.5                  | 24.0 | 11:10 | SW         |
| 12  | 15.3         | 20.7 | 12:45 | 8.4  | 3:50  | 3.4                 | 0.3                 | 0.0   | 3.3                  | 18.0 | 13:10 | SW         |
| 13  | 16.4         | 21.3 | 16:45 | 9.1  | 4:00  | 2.6                 | 0.7                 | 0.0   | 3.0                  | 14.0 | 9:30  | WNW        |
| 14  | 18.6         | 24.3 | 12:05 | 10.8 | 2:50  | 1.9                 | 2.2                 | 0.0   | 3.5                  | 20.0 | 17:45 | SW         |
| 15  | 19.7         | 24.7 | 11:00 | 13.0 | 3:55  | 1.0                 | 2.5                 | 0.0   | 3.9                  | 20.0 | 15:55 | NW         |
| 16  | 18.0         | 22.3 | 12:45 | 13.5 | 23:50 | 1.3                 | 1.0                 | 0.0   | 5.2                  | 22.0 | 22:40 | NW         |
| 17  | 15.3         | 18.4 | 15:05 | 12.9 | 2:25  | 3.0                 | 0.0                 | 0.0   | 5.6                  | 19.0 | 17:00 | NW         |
| 18  | 16.6         | 20.0 | 14:45 | 13.8 | 4:05  | 2.0                 | 0.3                 | 0.0   | 3.6                  | 13.0 | 17:35 | NNE        |
| 19  | 14.9         | 19.2 | 16:15 | 12.7 | 23:15 | 3.4                 | 0.1                 | 19.8  | 3.8                  | 18.0 | 9:50  | SW         |
| 20  | 13.2         | 16.6 | 11:35 | 11.5 | 22:40 | 5.1                 | 0.0                 | 6.8   | 2.5                  | 19.0 | 15:30 | NNW        |
| 21  | 13.9         | 17.1 | 16:00 | 11.8 | 0:20  | 4.3                 | 0.0                 | 0.0   | 7.3                  | 21.0 | 8:50  | N          |
| 22  | 14.0         | 16.2 | 10:30 | 10.2 | 3:55  | 4.3                 | 0.0                 | 0.2   | 5.2                  | 25.0 | 12:35 | W          |
| 23  | 16.2         | 19.7 | 14:30 | 13.7 | 23:50 | 2.2                 | 0.0                 | 2.0   | 8.0                  | 27.0 | 6:30  | SW         |
| 24  | 14.1         | 16.9 | 10:35 | 11.0 | 3:30  | 4.3                 | 0.0                 | 0.0   | 4.9                  | 20.0 | 10:05 | NW         |
| 25  | 16.4         | 21.0 | 13:25 | 10.6 | 4:50  | 2.2                 | 0.4                 | 0.0   | 4.6                  | 22.0 | 17:05 | SW         |
| 26  | 19.8         | 24.2 | 15:00 | 16.2 | 7:20  | 0.6                 | 2.0                 | 0.2   | 4.0                  | 22.0 | 0:30  | NW         |
| 27  | 18.9         | 23.3 | 12:35 | 15.5 | 23:15 | 0.9                 | 1.5                 | 0.2   | 3.8                  | 17.0 | 13:15 | SW         |
| 28  | 19.8         | 24.4 | 14:45 | 15.2 | 5:00  | 0.8                 | 2.3                 | 0.0   | 4.3                  | 21.0 | 8:15  | SW         |
| 29  | 21.7         | 27.3 | 13:50 | 14.9 | 4:45  | 0.7                 | 4.1                 | 0.0   | 1.8                  | 26.0 | 19:55 | WSW        |
| 30  | 19.1         | 23.2 | 13:45 | 16.2 | 23:35 | 0.4                 | 1.2                 | 34.0  | 2.3                  | 15.0 | 16:40 | NE         |
| 31  | 16.6         | 17.8 | 15:55 | 15.6 | 4:25  | 1.7                 | 0.0                 | 15.2  | 2.7                  | 11.0 | 7:15  | NNE        |
|     | 15.8         | 27.3 |       | 8.2  |       | 97.9                | 20.0                | 113.7 | 4.7                  | 31.0 |       | SW         |

Max >= 32.0: 0

Max <= 0.0: 0

Min <= 0.0: 0

Min <= -18.0: 0

Max Rain: 34.01 ON 30/07/02

Days of Rain: 17 (> .2 mm) 10 (> 2 mm) 1 (> 20 mm)

Heat Base: 18.3 Cool Base: 18.3 Method: Integration