

## Weather report

*Helen Macleod*

Detailed particulars of the daily weather readings may be obtained from the meteorological records in the Museum library.

The sunshine records are collected by Mrs J. Speirs at Gartnakeilly farm. All other records are recorded in the grounds of Rothesay Academy by Mr J. Black. These records were taken by Mr J. Morton until June 2001. Mr Morton collected these records for 18 years, and to mark his retiral the Meteorological Office presented him with a crystal ship's decanter. Special thanks are due to Mr Morton for his invaluable service, and we are pleased to have Mr Black take over.

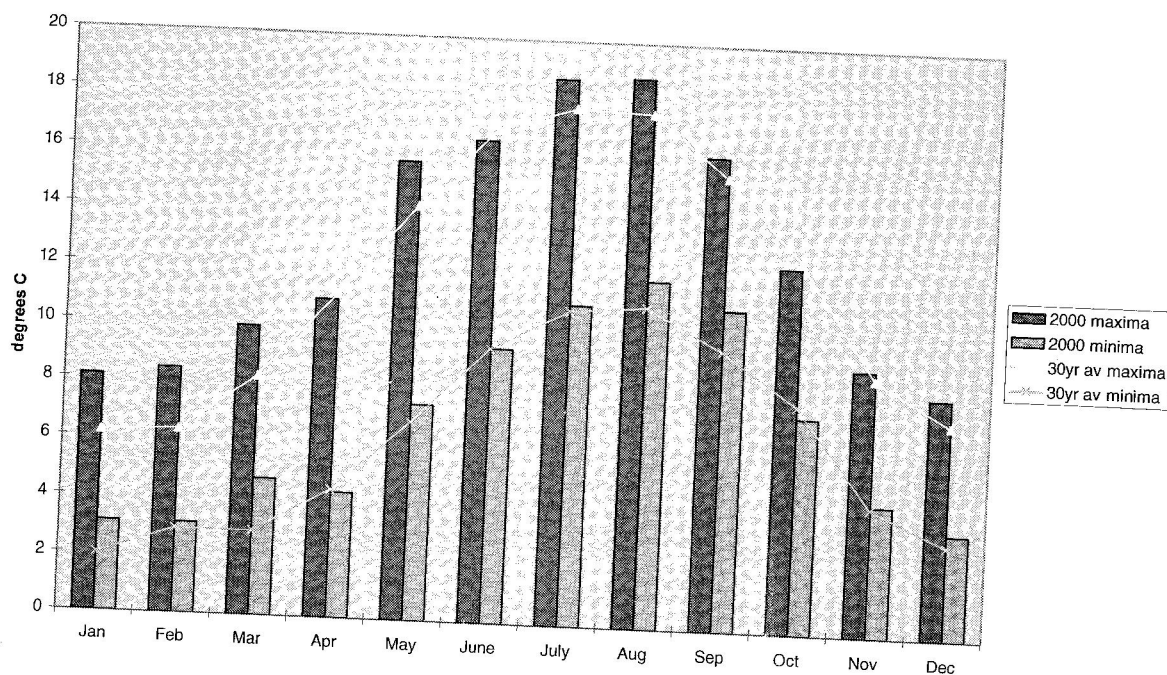
The average rainfall for the period 2000-2003 was 1335mm, which was in line with the long term average (1951-1980) of 1317mm. Both 2001 and 2003 were much drier years. 2001 was the driest year since 1971 with 1090mm (42.9ins).

The average sunshine during the same period was 1355 hours, which is slightly higher than the long term average of 1333 hours. May 2000 was an outstanding month for sunshine with 279 hours. The January 2001 sunshine figures are missing, but the records from Prestwick, the nearest sunshine recording station, have been substituted to give an overall picture.

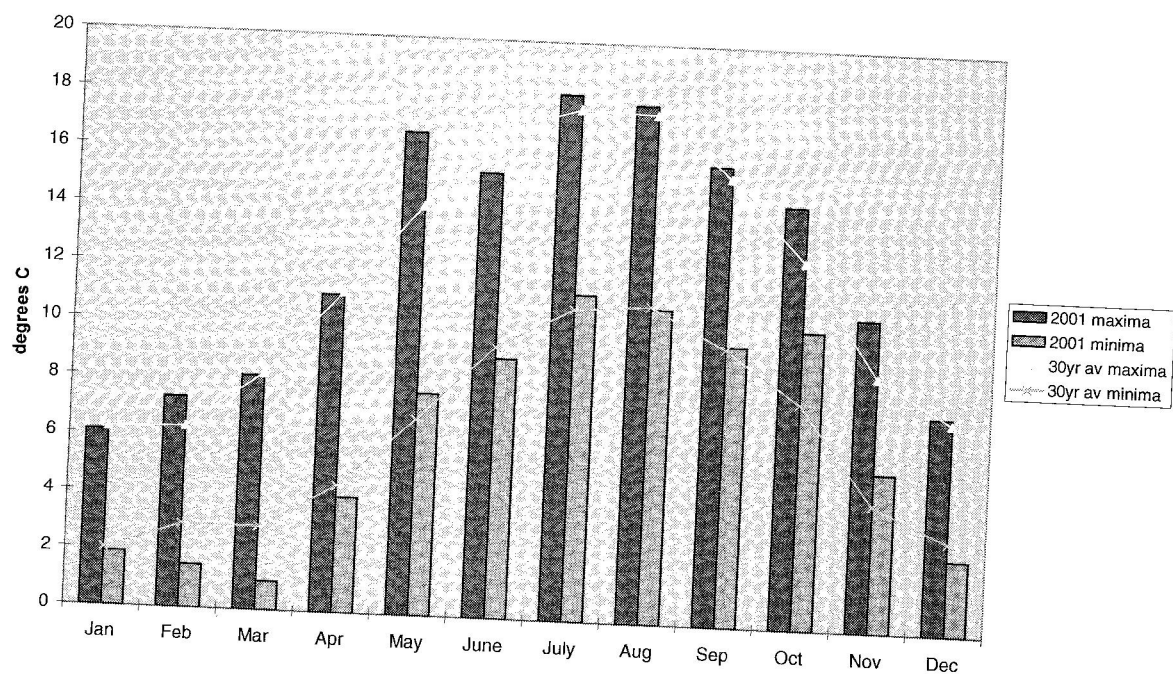
The following table and graphs show monthly means of the daily maximum and minimum temperature readings (degrees Celsius) for 2000 to 2003, with the 30 year average (1951-1980) for comparison.

|       | Mean maxima |      |      |      |         | Mean minima |      |      |      |         |
|-------|-------------|------|------|------|---------|-------------|------|------|------|---------|
|       | 2000        | 2001 | 2002 | 2003 | 30yr av | 2000        | 2001 | 2002 | 2003 | 30yr av |
| Jan   | 8.1         | 6.1  | 9.2  | 7.1  | 6.2     | 3.1         | 1.9  | 4.3  | 2.5  | 2.0     |
| Feb   | 8.4         | 7.3  | 8.9  | 7.1  | 6.3     | 3.1         | 1.5  | 3.2  | 1.7  | 2.9     |
| Mar   | 9.9         | 8.1  | 10.3 | 11.2 | 8.2     | 4.7         | 1.0  | 3.4  | 3.7  | 2.9     |
| Apr   | 10.9        | 11.0 | 12.1 | 13.4 | 11.1    | 4.3         | 4.0  | 5.4  | 6.1  | 4.4     |
| May   | 15.7        | 16.7 | 14.5 | 13.8 | 14.2    | 7.4         | 7.7  | 7.6  | 7.2  | 6.8     |
| Jun   | 16.5        | 15.4 | 16.2 | 17.6 | 16.9    | 9.4         | 9.0  | 10.3 | 10.5 | 9.4     |
| Jul   | 18.7        | 18.2 | 17.5 | 19.2 | 17.7    | 11.0        | 11.3 | 10.8 | 12.6 | 10.8    |
| Aug   | 18.8        | 17.9 | 19.5 | 19.7 | 17.6    | 11.9        | 10.9 | 11.9 | 12.0 | 11.0    |
| Sep   | 16.2        | 15.9 | 17.1 | 16.5 | 15.5    | 11.0        | 9.7  | 10.4 | 9.4  | 9.6     |
| Oct   | 12.5        | 14.6 | 11.6 | 11.8 | 12.7    | 7.4         | 10.3 | 6.2  | 6.0  | 7.8     |
| Nov   | 9.1         | 10.8 | 10.1 | 11.0 | 8.8     | 4.5         | 5.5  | 6.6  | 5.9  | 4.4     |
| Dec   | 8.2         | 7.5  | 7.0  | 8.2  | 7.3     | 3.6         | 2.6  | 4.3  | 3.0  | 3.2     |
| mean  | 12.7        | 12.5 | 12.8 | 13.0 | 11.9    | 6.8         | 6.3  | 7.0  | 6.7  | 6.2     |
| range | 10.7        | 12.1 | 12.5 | 12.6 |         | 8.8         | 10.3 | 8.7  | 10.9 |         |

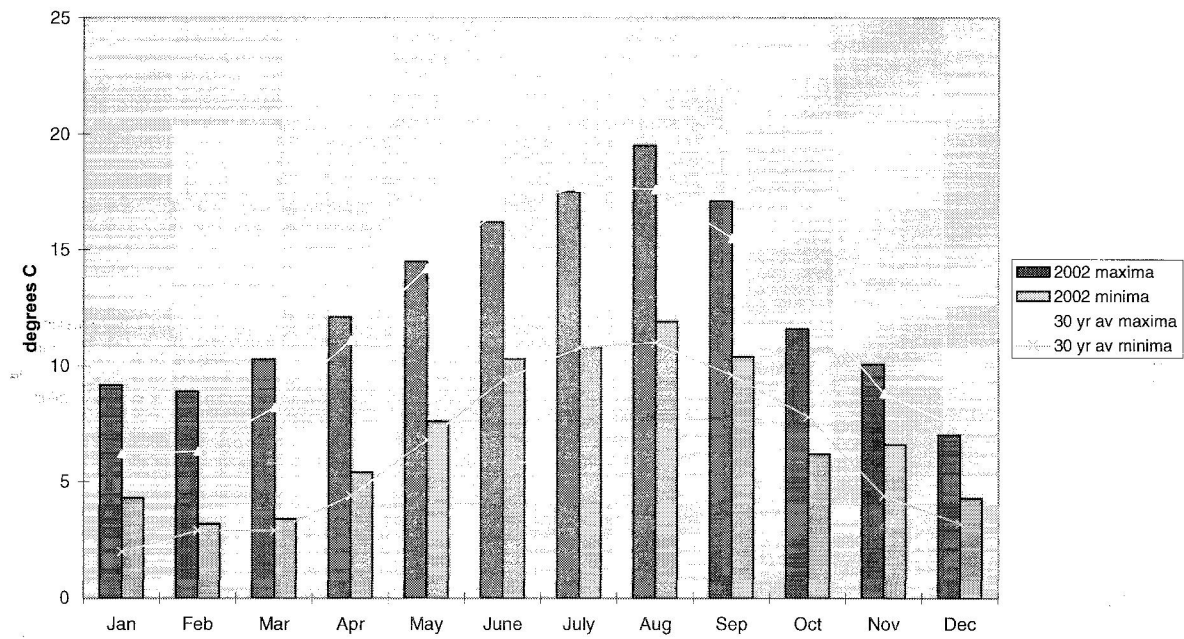
Temperature: 2000



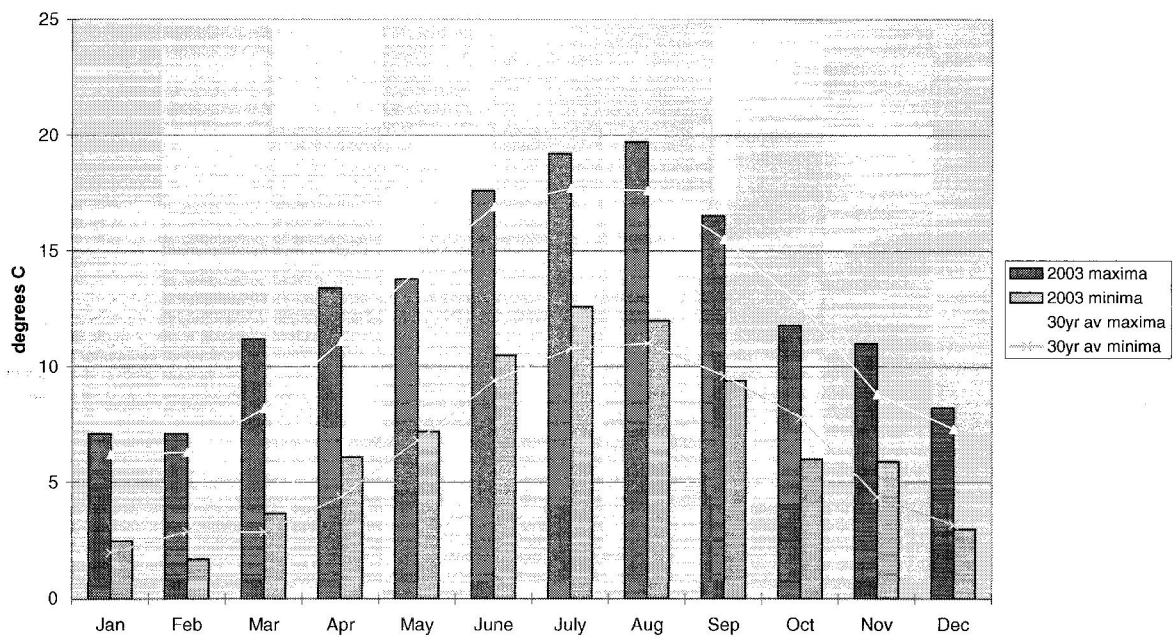
Temperature: 2001



Temperature: 2002



Temperature: 2003



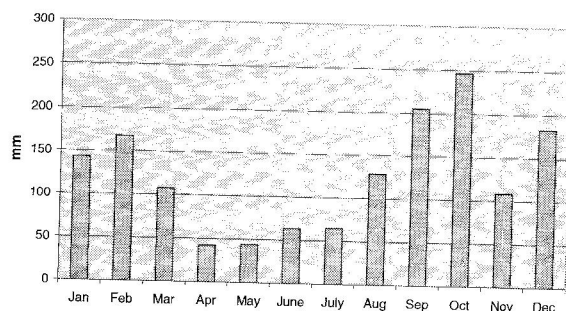
## Rainfall

This table shows the total rainfall recorded in each month during the years 2000-2003

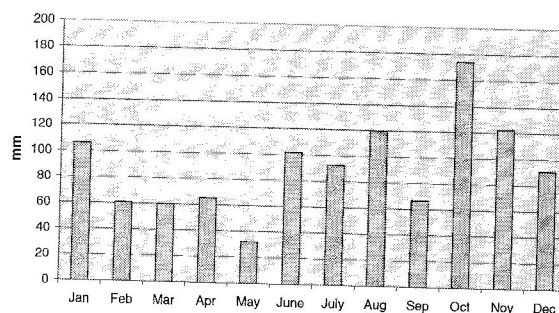
| Rainfall (mm) | 2000          | 2001          | 2002          | 2003          | 30yr av.    |
|---------------|---------------|---------------|---------------|---------------|-------------|
| Jan           | 142.3         | 105.9         | 206.1         | 111.3         | 127         |
| Feb           | 167.1         | 60.7          | 240.1         | 68.2          | 84          |
| Mar           | 107.3         | 59.9          | 134.1         | 67.0          | 90          |
| Apr           | 41.9          | 65.0          | 79.0          | 42.6          | 76          |
| May           | 43.7          | 31.7          | 94.6          | 142.8         | 76          |
| June          | 63.2          | 101.7         | 183.7         | 80.9          | 80          |
| July          | 64.2          | 92.4          | 93.0          | 115.3         | 104         |
| Aug           | 128.1         | 119.6         | 76.3          | 48.9          | 112         |
| Sep           | 204.8         | 66.4          | 53.6          | 77.4          | 138         |
| Oct           | 246.4         | 173.9         | 181.8         | 70.1          | 137         |
| Nov           | 108.1         | 122.4         | 169.3         | 191.9         | 145         |
| Dec           | 182.6         | 90.8          | 69.5          | 152.8         | 148         |
| <b>Total</b>  | <b>1499.7</b> | <b>1090.4</b> | <b>1581.1</b> | <b>1169.2</b> | <b>1317</b> |

## Rainfall graphs

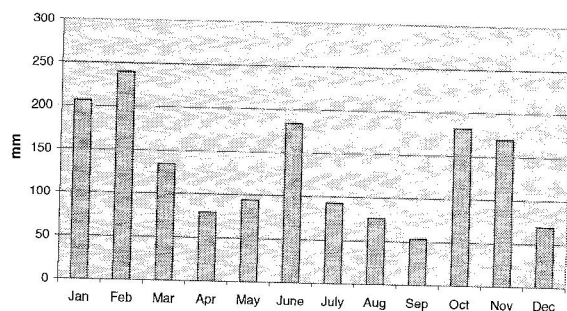
2000: 1500mm



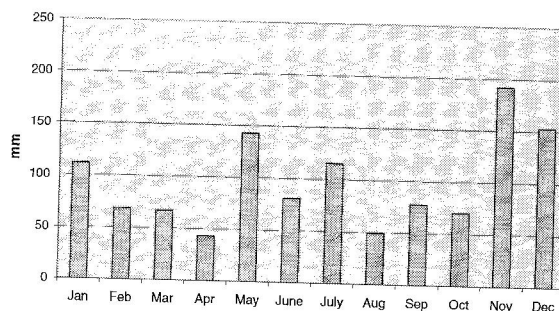
2001: 1090mm



2002: 1581mm



2003: 1169mm



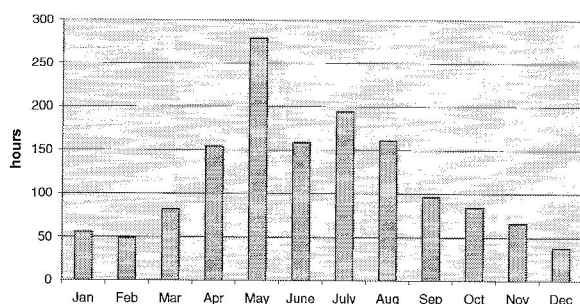
## Sunshine

This table shows the total sunshine hours recorded for each month of the years 2000-2003

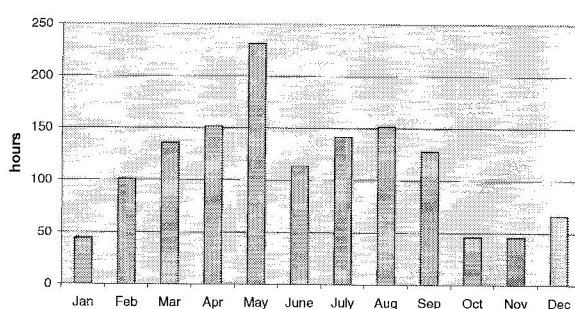
| Sun (hrs)    | 2000          | 2001          | 2002          | 2003          | 30yr av     |
|--------------|---------------|---------------|---------------|---------------|-------------|
| Jan          | 55.8          | 44.5          | 32.4          | 54.5          | 42.9        |
| Feb          | 48.7          | 100.8         | 53.8          | 95.9          | 64.5        |
| Mar          | 82.1          | 135.7         | 112.7         | 168.1         | 98.2        |
| Apr          | 153.6         | 151.5         | 145.6         | 181.3         | 160.0       |
| May          | 278.7         | 231.2         | 156.3         | 150.0         | 197.0       |
| June         | 158.1         | 113.6         | 117.9         | 166.6         | 191.4       |
| July         | 194.1         | 141.3         | 116.8         | 154.4         | 162.2       |
| Aug          | 160.3         | 151.2         | 168.2         | 185.4         | 146.2       |
| Sep          | 95.8          | 127.8         | 121.7         | 111.9         | 106.9       |
| Oct          | 84.1          | 46.4          | 73.0          | 126.6         | 78.4        |
| Nov          | 66.2          | 46.0          | 32.2          | 59.4          | 51.7        |
| Dec          | 37.8          | 66.7          | 26.7          | 40.2          | 33.9        |
| <b>Total</b> | <b>1415.3</b> | <b>1356.7</b> | <b>1157.3</b> | <b>1494.3</b> | <b>1333</b> |

## Sunshine graphs

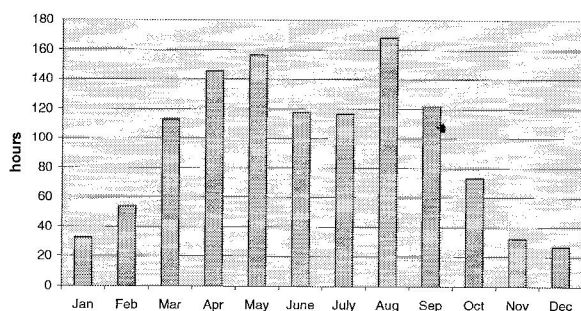
2000: 1415hrs



2001: 1357hrs



2002: 1157hrs



2003: 1494hrs

