

## MAIDENHEAD METEOROLOGICAL OBSERVATIONS FOR MAY 2008

|                                           |   |    |    |    | 0900GMT |      | Temperature |      | Soil temperatures (depth in cm) |      |      |      |      |      |      |      |    |    |      |       |   |   |   |   |   |      | Rain   | Fr.  | Pch |      |                                |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
|-------------------------------------------|---|----|----|----|---------|------|-------------|------|---------------------------------|------|------|------|------|------|------|------|----|----|------|-------|---|---|---|---|---|------|--------|------|-----|------|--------------------------------|--------|------|-----------------------------------|--|--|--|--------|------|-----|------|---------------------------------|--|
| DD                                        | N | dd | ff | ww | VV      | Temp | RH          | Max  | Min                             | Gmin | 5    | 10   | 20   | 30   | 50   | 100  | E  | SS | Rain | Sun   | S | L | H | T | G | F    | Press  | hrs  | hrs | Evap |                                |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 01                                        | 7 | 18 | 05 | 02 | 96      | 11.8 | 71          | 15.0 | 6.8                             | 5.7  | 9.9  | 9.8  | 10.6 | 10.8 | 10.4 | 10.0 | 10 | 0  | 1.2  | 5.8   | 0 | 0 | 0 | 0 | 0 | 0    | 1004.0 | 1.3  | 0.0 | 1.0  | Number of                      |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 02                                        | 6 | 36 | 02 | 03 | 97      | 11.5 | 86          | 17.0 | 4.6                             | 1.7  | 10.0 | 10.0 | 10.4 | 10.8 | 10.4 | 10.0 | 10 | 0  | 1.1  | 5.6   | 0 | 0 | 0 | 0 | 0 | 0    | 1019.0 | 1.9  | 0.0 | 1.0  | days with                      |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 03                                        | 7 | 15 | 02 | 02 | 97      | 15.2 | 65          | 20.9 | 5.0                             | 3.1  | 10.6 | 10.4 | 11.0 | 11.2 | 10.5 | 10.0 | 10 | 0  | 0.1  | 3.8   | 0 | 0 | 0 | 0 | 0 | 0    | 1023.0 | 0.1  | 0.0 | 3.2  | 2008                           | normal |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 04                                        | 8 | 14 | 09 | 02 | 97      | 17.7 | 70          | 22.1 | 12.0                            | 10.8 | 13.3 | 12.8 | 12.5 | 12.0 | 10.8 | 10.1 | 10 | 0  | 2.7  | 0.1   | 0 | 0 | 0 | 0 | 0 | 0    | 1019.5 | 4.0  | 0.0 | 2.3  | Snow/sleet falling             |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 05                                        | 8 | 32 | 05 | 60 | 96      | 16.8 | 87          | 23.4 | 13.6                            | 12.9 | 13.8 | 13.4 | 13.5 | 12.5 | 11.3 | 10.2 | 10 | 0  | tr   | 4.6   | 0 | 0 | 0 | 0 | 0 | 0    | 1023.5 | 0.0  | 0.0 | 3.1  | 0                              | 0.1    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 06                                        | 0 | 04 | 05 | 02 | 97      | 17.5 | 59          | 23.9 | 9.4                             | 6.6  | 12.1 | 12.6 | 13.4 | 13.0 | 11.7 | 10.5 | 10 | 0  | 0.0  | 13.5  | 0 | 0 | 0 | 0 | 0 | 0    | 1022.0 | 0.0  | 0.0 | 3.8  | 50% snow cover 09GMT           |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 07                                        | 0 | 09 | 01 | 02 | 97      | 19.5 | 58          | 25.9 | 10.7                            | 7.4  | 13.2 | 13.4 | 14.1 | 13.6 | 12.2 | 10.7 | 10 | 0  | 0.0  | 13.4  | 0 | 0 | 0 | 0 | 0 | 0    | 1018.5 | 0.0  | 0.0 | 4.0  | 0                              | 0.0    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 08                                        | 0 | 09 | 05 | 02 | 97      | 20.5 | 55          | 26.1 | 12.3                            | 9.0  | 13.9 | 14.2 | 14.8 | 14.3 | 12.7 | 11.0 | 10 | 0  | 0.7  | 13.5  | 0 | 0 | 0 | 0 | 0 | 0    | 1013.5 | 1.0  | 0.0 | 5.0  | Hair or ice pellets            |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 09                                        | 8 | 05 | 02 | 25 | 96      | 17.0 | 76          | 25.6 | 14.1                            | 11.8 | 15.1 | 15.4 | 15.7 | 15.0 | 13.1 | 11.3 | 10 | 0  | 0.0  | 4.2   | 0 | 0 | 0 | 0 | 0 | 0    | 1010.5 | 0.0  | 0.0 | 2.1  | 0                              | 0.5    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 10                                        | 8 | 32 | 02 | 02 | 97      | 17.9 | 78          | 27.0 | 12.9                            | 10.5 | 15.6 | 15.5 | 15.8 | 15.0 | 13.4 | 11.6 | 00 | 0  | 0.2  | 5.9   | 0 | 0 | 0 | 1 | 0 | 0    | 1015.0 | 0.4  | 0.0 | 2.4  | Thunder                        |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 11                                        | 6 | 36 | 05 | 02 | 97      | 22.9 | 51          | 28.0 | 12.0                            | 9.2  | 15.1 | 15.4 | 16.0 | 15.5 | 13.7 | 11.9 | 00 | 0  | 0.0  | 12.0  | 0 | 0 | 0 | 0 | 0 | 0    | 1016.5 | 0.0  | 0.0 | 4.5  | 3                              | 1.9    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 12                                        | 0 | 34 | 05 | 02 | 97      | 19.8 | 56          | 25.2 | 12.0                            | 8.0  | 14.9 | 15.4 | 16.3 | 15.7 | 14.2 | 12.1 | 00 | 0  | 0.0  | 13.6  | 0 | 0 | 0 | 0 | 0 | 0    | 1016.5 | 0.0  | 0.0 | 4.0  | Gale                           |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 13                                        | 1 | 05 | 13 | 02 | 97      | 15.8 | 58          | 21.6 | 11.0                            | 9.6  | 14.8 | 15.5 | 16.5 | 16.0 | 14.5 | 12.4 | 00 | 0  | 0.0  | 13.6  | 0 | 0 | 0 | 0 | 0 | 0    | 1017.0 | 0.0  | 0.0 | 2.6  | 0                              | 0.0    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 14                                        | 1 | 08 | 09 | 02 | 97      | 14.4 | 67          | 20.4 | 10.4                            | 7.8  | 14.4 | 15.1 | 16.3 | 16.0 | 14.6 | 12.6 | 00 | 0  | 1.9  | 10.4  | 0 | 0 | 0 | 0 | 0 | 0    | 1014.5 | 2.9  | 0.0 | 2.3  | Fog at 09GMT                   |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 15                                        | 8 | 04 | 09 | 21 | 97      | 11.2 | 90          | 14.4 | 10.1                            | 8.9  | 14.1 | 14.5 | 15.6 | 15.5 | 14.6 | 12.9 | 10 | 0  | 3.4  | 0.0   | 0 | 0 | 0 | 1 | 0 | 0    | 1010.0 | 3.9  | 0.0 | 0.7  | 0                              | 0.0    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 16                                        | 8 | 36 | 02 | 21 | 96      | 10.6 | 88          | 12.9 | 10.2                            | 9.5  | 13.3 | 13.6 | 14.5 | 14.6 | 14.2 | 12.9 | 10 | 0  | tr   | 0.0   | 0 | 0 | 0 | 0 | 0 | 0    | 1008.5 | 0.0  | 0.0 | 0.8  | Air frost                      |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 17                                        | 7 | 04 | 02 | 02 | 97      | 12.8 | 78          | 14.0 | 10.4                            | 9.8  | 13.0 | 13.0 | 13.7 | 13.9 | 13.6 | 13.0 | 10 | 0  | 1.3  | 0.0   | 0 | 0 | 0 | 0 | 0 | 0    | 1007.0 | 2.3  | 0.0 | 0.8  | 0                              | 0.1    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 18                                        | 2 | 02 | 09 | 02 | 97      | 12.0 | 57          | 16.1 | 7.6                             | 5.4  | 11.2 | 11.6 | 13.0 | 13.4 | 13.4 | 12.8 | 10 | 0  | 0.0  | 9.0   | 0 | 0 | 0 | 0 | 0 | 0    | 1013.0 | 0.0  | 0.0 | 2.4  | Ground frost                   |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 19                                        | 0 | 05 | 09 | 02 | 97      | 10.9 | 50          | 14.4 | 4.6                             | 1.5  | 10.1 | 10.9 | 12.7 | 13.5 | 13.3 | 12.7 | 10 | 0  | 0.0  | 6.2   | 0 | 0 | 0 | 0 | 0 | 0    | 1017.0 | 0.0  | 0.0 | 2.3  | 0                              | 2.2    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 20                                        | 6 | 04 | 05 | 02 | 97      | 12.6 | 59          | 16.1 | 4.7                             | 1.6  | 10.0 | 10.6 | 12.4 | 13.0 | 13.3 | 12.6 | 00 | 0  | 0.0  | 3.2   | 0 | 0 | 0 | 0 | 0 | 0    | 1018.0 | 0.0  | 0.0 | 2.4  | 0.2mm precipitation            |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 21                                        | 0 | 36 | 05 | 05 | 96      | 14.9 | 66          | 19.8 | 5.8                             | 2.5  | 10.7 | 11.1 | 12.5 | 13.0 | 13.0 | 12.5 | 00 | 0  | 0.0  | 13.0  | 0 | 0 | 0 | 0 | 0 | 0    | 1016.0 | 0.0  | 0.0 | 3.0  | 15                             | 12.2   |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 22                                        | 0 | 08 | 02 | 02 | 97      | 17.3 | 70          | 23.5 | 8.3                             | 4.8  | 11.6 | 12.4 | 13.3 | 13.4 | 13.0 | 12.5 | 00 | 0  | 1.2  | 7.5   | 0 | 0 | 0 | 0 | 0 | 0    | 1013.5 | 0.7  | 0.0 | 2.0  | 1.0mm precipitation            |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 23                                        | 8 | 09 | 02 | 60 | 97      | 12.9 | 84          | 19.4 | 11.2                            | 9.6  | 13.9 | 14.3 | 14.8 | 14.4 | 13.5 | 12.5 | 00 | 0  | 0.0  | 1.7   | 0 | 0 | 0 | 0 | 0 | 0    | 1011.5 | 0.0  | 0.0 | 3.4  | 12                             | 8.8    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 24                                        | 2 | 09 | 09 | 02 | 97      | 18.5 | 66          | 22.0 | 12.4                            | 10.5 | 13.9 | 13.7 | 14.1 | 14.0 | 13.5 | 12.6 | 00 | 0  | 5.4  | 9.3   | 0 | 0 | 0 | 0 | 0 | 0    | 1009.5 | 6.8  | 0.0 | 3.6  | 5.0mm precipitation            |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 25                                        | 8 | 06 | 05 | 60 | 96      | 13.1 | 96          | 18.1 | 11.8                            | 11.0 | 13.8 | 14.0 | 14.8 | 14.5 | 13.8 | 12.6 | 10 | 0  | 18.5 | 0.8   | 0 | 0 | 0 | 0 | 0 | 0    | 1008.5 | 8.2  | 0.0 | 0.5  | 4                              | 2.9    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 26                                        | 8 | 04 | 24 | 61 | 97      | 12.0 | 94          | 12.2 | 11.8                            | 11.1 | 12.8 | 13.3 | 14.0 | 14.1 | 13.5 | 12.6 | 10 | 0  | 16.0 | 0.0   | 0 | 0 | 0 | 0 | 0 | 0    | 1007.5 | 11.7 | 0.0 | 0.2  | No sunshine                    |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 27                                        | 8 | 03 | 05 | 02 | 96      | 12.2 | 95          | 17.4 | 10.0                            | 10.0 | 12.5 | 12.5 | 13.0 | 13.4 | 13.3 | 12.8 | 10 | 0  | 12.4 | 0.5   | 0 | 0 | 0 | 0 | 0 | 0    | 1009.5 | 5.3  | 0.0 | 0.8  | 5                              | 2.8    |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 28                                        | 8 | 36 | 02 | 02 | 96      | 15.4 | 95          | 17.2 | 11.1                            | 12.1 | 14.4 | 14.4 | 14.1 | 13.9 | 13.3 | 12.7 | 10 | 0  | 2.5  | 0.0   | 0 | 0 | 0 | 1 | 0 | 0    | 1000.5 | 4.1  | 0.0 | 0.5  | There were some wet days       |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 29                                        | 8 | 15 | 05 | 02 | 97      | 16.4 | 79          | 22.8 | 11.4                            | 11.0 | 13.9 | 13.8 | 14.0 | 14.0 | 13.4 | 12.7 | 10 | 0  | 0.5  | 4.4   | 0 | 0 | 0 | 0 | 0 | 0    | 1012.5 | 1.0  | 0.0 | 1.4  | during the final week of the   |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 30                                        | 8 | 33 | 02 | 02 | 97      | 14.9 | 86          | 19.9 | 13.8                            | 12.5 | 14.9 | 15.0 | 15.5 | 15.0 | 13.9 | 12.8 | 10 | 0  | 0.0  | 1.0   | 0 | 0 | 0 | 0 | 0 | 0    | 1012.0 | 0.0  | 0.0 | 1.3  | month, following what had been |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| 31                                        | 6 | 34 | 02 | 03 | 97      | 19.4 | 73          | 21.3 | 14.1                            | 12.6 | 16.6 | 15.8 | 15.5 | 15.0 | 14.0 | 13.0 | 10 | 0  | tr   | 3.2   | 0 | 0 | 0 | 0 | 0 | 0    | 1015.0 | 0.0  | 0.0 | 1.6  | a mainly dry month. There was  |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| Monthly means                             |   |    |    |    |         | 15.3 | 73          | 20.1 | 10.2                            | 8.3  | 13.1 | 13.3 | 14.0 | 13.9 | 13.0 | 12.0 |    |    |      |       |   |   |   |   |   |      | 1013.6 |      |     |      |                                |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
| Monthly totals                            |   |    |    |    |         |      |             |      |                                 |      |      |      |      |      |      |      |    |    | 69.1 | 179.8 |   |   |   |   |   |      |        |      |     |      | 55.6                           | 0.0    | 69.0 | some very warm weather for a      |  |  |  |        |      |     |      |                                 |  |
| Highest values                            |   |    |    |    |         | 22.9 |             | 28.0 | 14.1                            | 12.9 | 16.6 | 15.8 | 16.5 | 16.0 | 14.6 | 13.0 |    |    | 18.5 | 13.6  |   |   |   |   |   |      |        |      |     |      | 11.7                           | 0.0    | 5.0  | few days starting on the 7th with |  |  |  |        |      |     |      |                                 |  |
| Lowest values                             |   |    |    |    |         |      |             |      |                                 |      |      |      |      |      |      |      |    |    |      |       |   |   |   |   |   |      |        |      |     |      |                                |        |      | 28.0C on the 11th being very      |  |  |  |        |      |     |      |                                 |  |
| 1971-2000 monthly climatological averages |   |    |    |    |         | 10.6 | 50          | 12.2 | 4.6                             | 1.5  | 9.9  | 9.8  | 10.4 | 10.8 | 10.4 | 10.0 |    |    |      |       |   |   |   |   |   |      |        |      |     |      |                                |        |      |                                   |  |  |  |        |      |     |      |                                 |  |
|                                           |   |    |    |    |         | 73   | 17.4        | 8.0  | 5.6                             | 11.0 | 11.2 | 12.4 | 12.4 | 11.5 | 10.5 |      |    |    |      |       |   |   |   |   |   | 50.9 | 187.6  |      |     |      |                                |        |      |                                   |  |  |  | 1015.9 | 37.2 | 0.1 | 69.1 | warm for so early in the month. |  |

# Key

DD: date

07GMT observations

|    |                                                                            |    |                             |
|----|----------------------------------------------------------------------------|----|-----------------------------|
| N  | cloud cover (oktas, 9=obscured)                                            | dd | wind direction (degrees/10) |
| ff | wind speed (knots)                                                         |    |                             |
| ww | present weather code                                                       |    |                             |
| 1  | cloud decreasing                                                           | 50 | intermittent slight drizzle |
| 2  | sky not changing                                                           | 60 | intermittent slight rain    |
| 3  | cloud increasing                                                           | 63 | continuous moderate rain    |
| 21 | recent rain shower                                                         | 80 | slight rain hower           |
| VV | visibility (00-50 metres/100, 94 very poor, 95 poor, 96 moderate, 97 good) |    |                             |

Soil temperatures are for 0700GMT beneath bare soil (5, 10, 20cm) or grass (30, 50, 100cm)

## 09GMT observations

|       |                                                        |    |                       |
|-------|--------------------------------------------------------|----|-----------------------|
| Temp  | temperature (degC)                                     | RH | relative humidity (%) |
| E     | state of ground (00 dry, 10 moist, 20 wet, 90 cracked) | SS | snow depth (cm)       |
| Press | air pressure (mb)                                      |    |                       |

## 24 hour readings

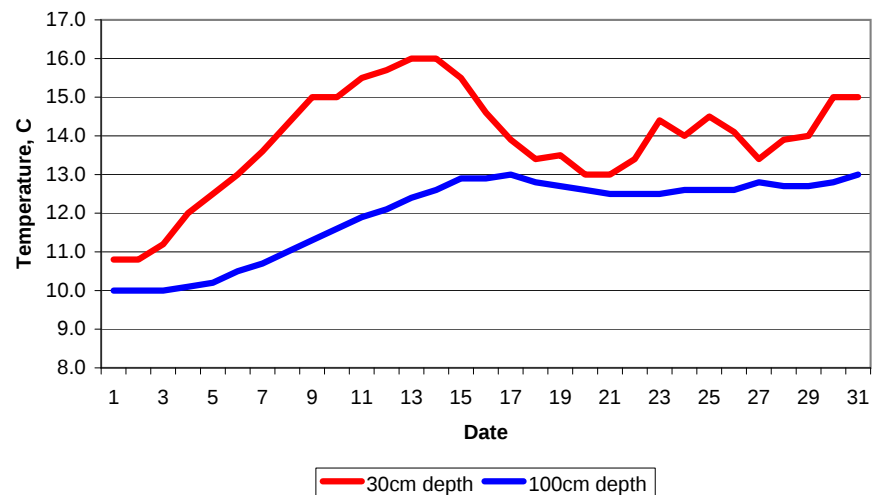
|         |                                               |          |                                         |
|---------|-----------------------------------------------|----------|-----------------------------------------|
| Max     | maximum temperature (degC) beginning 09GMT    | Min      | minimum temperature (degC) ending 09GMT |
| Gmin    | grass minimum temperature (degC) ending 09GMT | Rain     | precipitation beginning 09GMT           |
| Sun     | sunshine (hours) sunrise-sunset               | Rain hrs | hours of rainfall (>0.1mm/h) 09-09GMT   |
| Fr. Hrs | hours of air frost (00-24GMT)                 | Pch Evap | Piche evaporation (ml) beginning 09GMT  |

## Days with

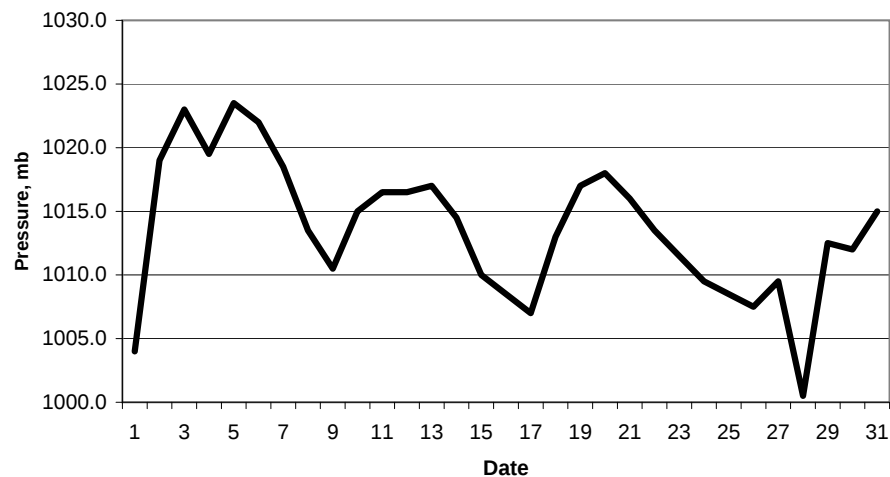
|   |                             |   |                         |   |                     |
|---|-----------------------------|---|-------------------------|---|---------------------|
| S | snow(5) or sleet(1) falling | L | 50% snow cover at 09GMT | H | hail or ice pellets |
| T | thunder heard               | G | gale                    | F | fog at 09GMT        |

This information (and data for earlier months) is also available at <http://www.met.rdg.ac.uk/~brugge>

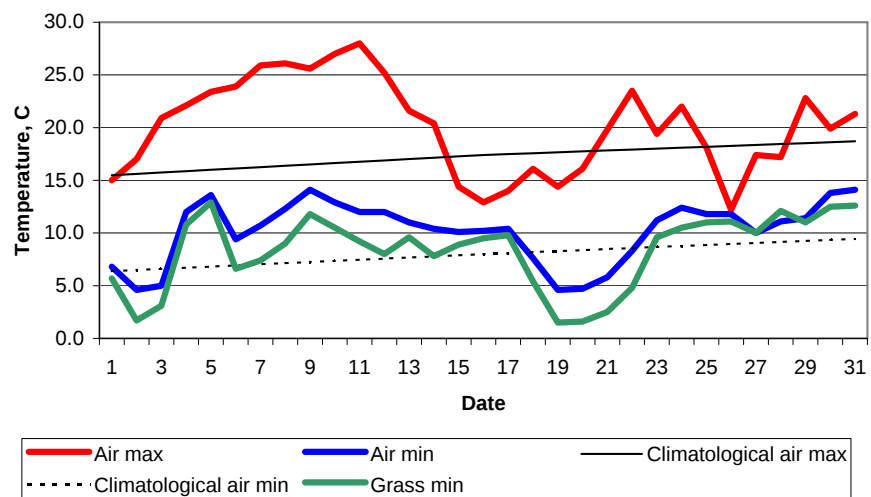
**Daily soil temperatures, 0700GMT**



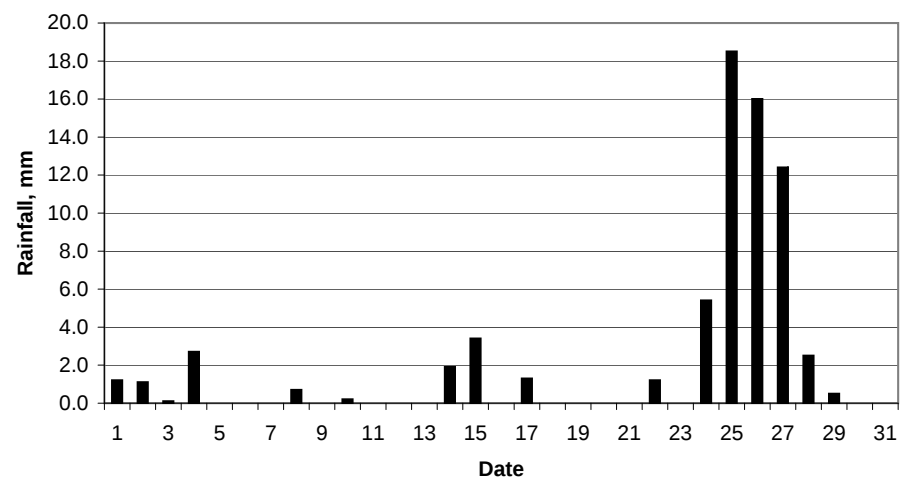
**Mean sea level pressure, 0900GMT**



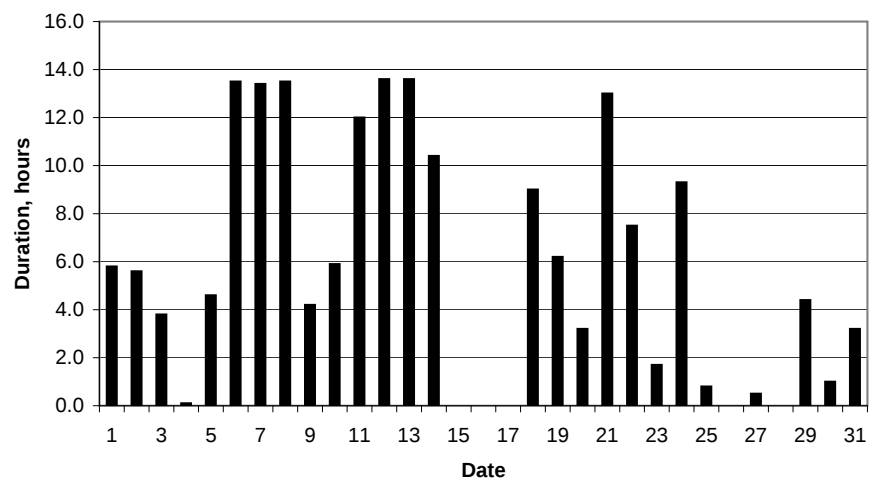
**Daily temperature extremes**



**Daily rainfall**



**Daily sunshine**



**Daily evaporation**

