

**Table 2.14(f)** Air and corresponding sol-air temperatures: Leeds (Church Fenton) (January 2002–December 2011)

January 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 0.2       | -0.7   | -0.7  | -0.1  | -0.1  | -0.1       | -0.1  | -0.1 | -0.1  | -0.1       | -0.1  | -0.1  | -0.1  | -0.1       | -0.1  | -0.1 | -0.1  | -0.1       | -0.1  |
| 0130  | -0.6      | -1.1   | -1.1  | -0.8  | -0.8  | -0.8       | -0.8  | -0.8 | -0.8  | -0.8       | -0.8  | -0.8  | -0.8  | -0.8       | -0.8  | -0.8 | -0.8  | -0.8       | -0.8  |
| 0230  | -0.8      | -2.7   | -2.7  | -1.5  | -1.5  | -1.5       | -1.5  | -1.5 | -1.5  | -1.5       | -1.5  | -1.5  | -1.5  | -1.5       | -1.5  | -1.5 | -1.5  | -1.5       | -1.5  |
| 0330  | -0.9      | -2.1   | -2.1  | -1.3  | -1.3  | -1.3       | -1.3  | -1.3 | -1.3  | -1.3       | -1.3  | -1.3  | -1.3  | -1.3       | -1.3  | -1.3 | -1.3  | -1.3       | -1.3  |
| 0430  | -0.7      | -3.7   | -3.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  |
| 0530  | -1.1      | -2.7   | -2.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  |
| 0630  | -1.0      | -4.3   | -4.3  | -2.1  | -2.1  | -2.1       | -2.1  | -2.1 | -2.1  | -2.1       | -2.1  | -2.1  | -2.1  | -2.1       | -2.1  | -2.1 | -2.1  | -2.1       | -2.1  |
| 0730  | -0.6      | -3.9   | -3.9  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  |
| 0830  | -0.1      | -2.1   | -2.6  | -0.4  | -0.7  | -0.5       | -0.8  | -0.4 | -0.7  | -0.4       | -0.7  | -0.4  | -0.7  | -0.5       | -0.8  | -0.4 | -0.7  | -0.4       | -0.7  |
| 0930  | 1.3       | 2.4  | 1.4   | 2.3   | 1.7   | 2.3        | 1.7   | 4.9  | 3.1   | 6.1        | 3.8   | 5.4   | 3.4   | 3.1        | 2.1   | 2.3  | 1.7   | 2.3        | 1.7   |
| 1030  | 2.1       | 6.4  | 3.7   | 4.3   | 3.0   | 4.3        | 3.0   | 14.5 | 8.7   | 26.6       | 15.4  | 25.6  | 14.9  | 12.2       | 7.4   | 4.3  | 3.0   | 4.3        | 3.0   |
| 1130  | 3.0       | 8.9  | 4.8   | 5.3   | 3.8   | 5.3        | 3.8   | 12.2 | 7.6   | 35.7       | 20.6  | 41.2  | 23.7  | 25.5       | 15.0  | 5.3  | 3.8   | 5.3        | 3.8   |
| 1230  | 3.3       | 9.8  | 5.4   | 5.8   | 4.2   | 5.8        | 4.2   | 5.8  | 4.2   | 30.8       | 18.1  | 43.6  | 25.2  | 34.0       | 19.9  | 7.7  | 5.2   | 5.8        | 4.2   |
| 1330  | 3.6       | 9.2  | 5.2   | 5.7   | 4.3   | 5.7        | 4.3   | 5.7  | 4.3   | 23.4       | 14.1  | 43.1  | 25.0  | 40.7       | 23.7  | 17.6 | 10.9  | 5.7        | 4.3   |
| 1430  | 3.6       | 7.2  | 4.1   | 4.9   | 3.8   | 4.9        | 3.8   | 4.9  | 3.8   | 14.1       | 8.9   | 40.2  | 23.4  | 45.4       | 26.3  | 26.8 | 16.0  | 4.9        | 3.8   |
| 1530  | 3.1       | 3.6  | 1.9   | 4.2   | 3.2   | 4.5        | 3.4   | 4.2  | 3.2   | 3.8        | 3.0   | 4.2   | 3.2   | 4.5        | 3.4   | 4.2  | 3.2   | 3.8        | 3.0   |
| 1630  | 1.6       | -0.9   | -1.3  | 1.2   | 0.9   | 1.2        | 0.9   | 1.2  | 0.9   | 1.2        | 0.9   | 1.2   | 0.9   | 1.2        | 0.9   | 1.2  | 0.9   | 1.2        | 0.9   |
| 1730  | 0.8       | -2.5   | -2.5  | -0.3  | -0.3  | -0.3       | -0.3  | -0.3 | -0.3  | -0.3       | -0.3  | -0.3  | -0.3  | -0.3       | -0.3  | -0.3 | -0.3  | -0.3       | -0.3  |
| 1830  | 0.3       | -3.0   | -3.0  | -0.8  | -0.8  | -0.8       | -0.8  | -0.8 | -0.8  | -0.8       | -0.8  | -0.8  | -0.8  | -0.8       | -0.8  | -0.8 | -0.8  | -0.8       | -0.8  |
| 1930  | -0.7      | -4.0   | -4.0  | -1.8  | -1.8  | -1.8       | -1.8  | -1.8 | -1.8  | -1.8       | -1.8  | -1.8  | -1.8  | -1.8       | -1.8  | -1.8 | -1.8  | -1.8       | -1.8  |
| 2030  | -0.6      | -3.6   | -3.6  | -1.6  | -1.6  | -1.6       | -1.6  | -1.6 | -1.6  | -1.6       | -1.6  | -1.6  | -1.6  | -1.6       | -1.6  | -1.6 | -1.6  | -1.6       | -1.6  |
| 2130  | -0.9      | -4.2   | -4.2  | -2.0  | -2.0  | -2.0       | -2.0  | -2.0 | -2.0  | -2.0       | -2.0  | -2.0  | -2.0  | -2.0       | -2.0  | -2.0 | -2.0  | -2.0       | -2.0  |
| 2230  | -1.1      | -4.4   | -4.4  | -2.2  | -2.2  | -2.2       | -2.2  | -2.2 | -2.2  | -2.2       | -2.2  | -2.2  | -2.2  | -2.2       | -2.2  | -2.2 | -2.2  | -2.2       | -2.2  |
| 2330  | -0.1      | -2.7   | -2.7  | -1.0  | -1.0  | -1.0       | -1.0  | -1.0 | -1.0  | -1.0       | -1.0  | -1.0  | -1.0  | -1.0       | -1.0  | -1.0 | -1.0  | -1.0       | -1.0  |
| Mean  | 0.6       | -0.1   | -1.0  | 0.5   | 0.1   | 0.5        | 0.1   | 1.3  | 0.6   | 5.0        | 2.6   | 7.6   | 4.1   | 6.0        | 3.2   | 2.0  | 1.0   | 0.5        | 0.1   |

\* Greenwich Mean Time

February 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | -5.4      | -8.7   | -8.7  | -6.5  | -6.5  | -6.5       | -6.5  | -6.5 | -6.5  | -6.5       | -6.5  | -6.5  | -6.5  | -6.5       | -6.5  | -6.5 | -6.5  | -6.5       | -6.5  |
| 0130  | -5.0      | -8.3   | -8.3  | -6.1  | -6.1  | -6.1       | -6.1  | -6.1 | -6.1  | -6.1       | -6.1  | -6.1  | -6.1  | -6.1       | -6.1  | -6.1 | -6.1  | -6.1       | -6.1  |
| 0230  | -5.8      | -9.1   | -9.1  | -6.9  | -6.9  | -6.9       | -6.9  | -6.9 | -6.9  | -6.9       | -6.9  | -6.9  | -6.9  | -6.9       | -6.9  | -6.9 | -6.9  | -6.9       | -6.9  |
| 0330  | -6.8      | -10.1  | -10.1 | -7.9  | -7.9  | -7.9       | -7.9  | -7.9 | -7.9  | -7.9       | -7.9  | -7.9  | -7.9  | -7.9       | -7.9  | -7.9 | -7.9  | -7.9       | -7.9  |
| 0430  | -6.8      | -10.1  | -10.1 | -7.9  | -7.9  | -7.9       | -7.9  | -7.9 | -7.9  | -7.9       | -7.9  | -7.9  | -7.9  | -7.9       | -7.9  | -7.9 | -7.9  | -7.9       | -7.9  |
| 0530  | -6.5      | -9.8   | -9.8  | -7.6  | -7.6  | -7.6       | -7.6  | -7.6 | -7.6  | -7.6       | -7.6  | -7.6  | -7.6  | -7.6       | -7.6  | -7.6 | -7.6  | -7.6       | -7.6  |
| 0630  | -7.7      | -11.0  | -11.0 | -8.8  | -8.8  | -8.8       | -8.8  | -8.8 | -8.8  | -8.8       | -8.8  | -8.8  | -8.8  | -8.8       | -8.8  | -8.8 | -8.8  | -8.8       | -8.8  |
| 0730  | -7.5      | -10.3  | -10.5 | -8.1  | -8.4  | -8.1       | -8.4  | -8.1 | -8.4  | -8.1       | -8.4  | -8.1  | -8.4  | -8.1       | -8.4  | -8.1 | -8.4  | -8.1       | -8.4  |
| 0830  | -4.8      | -3.1   | -5.4  | -3.9  | -4.8  | 2.1        | -1.5  | 20.8 | 8.9   | 25.0       | 11.2  | 12.3  | 4.2   | -3.9       | -4.8  | -3.9 | -4.8  | -3.9       | -4.8  |
| 0930  | -1.8      | 4.1  | 0.0   | 0.6   | -1.0  | 0.6        | -1.0  | 24.1 | 12.1  | 34.9       | 18.1  | 25.5  | 12.9  | 1.3        | -0.6  | 0.6  | -1.0  | 0.6        | -1.0  |
| 1030  | -0.3      | 9.4  | 3.6   | 3.3   | 1.2   | 3.3        | 1.2   | 21.2 | 11.1  | 39.5       | 21.3  | 36.3  | 19.5  | 13.4       | 6.8   | 3.3  | 1.2   | 3.3        | 1.2   |
| 1130  | 1.7       | 16.9   | 8.7   | 7.9   | 4.6   | 7.9        | 4.6   | 17.1 | 9.8   | 45.8       | 25.7  | 51.5  | 28.9  | 31.0       | 17.5  | 7.9  | 4.6   | 7.9        | 4.6   |
| 1230  | 3.2       | 16.0   | 8.8   | 7.8   | 5.2   | 7.8        | 5.2   | 7.8  | 5.2   | 33.9       | 19.8  | 47.3  | 27.2  | 37.1       | 21.5  | 9.2  | 6.0   | 7.8        | 5.2   |
| 1330  | 4.8       | 15.9   | 9.5   | 8.9   | 6.6   | 8.9        | 6.6   | 8.9  | 6.6   | 24.8       | 15.4  | 44.3  | 26.2  | 42.6       | 25.3  | 20.8 | 13.2  | 8.9        | 6.6   |
| 1430  | 5.6       | 14.2   | 8.9   | 8.8   | 6.9   | 8.8        | 6.9   | 8.8  | 6.9   | 15.3       | 10.5  | 39.7  | 24.1  | 45.8       | 27.5  | 30.0 | 18.6  | 8.8        | 6.9   |
| 1530  | 4.5       | 9.1  | 5.6   | 6.4   | 5.1   | 6.4        | 5.1   | 6.4  | 5.1   | 6.4        | 5.1   | 29.2  | 17.7  | 40.9       | 24.2  | 32.3 | 19.5  | 8.4        | 6.2   |
| 1630  | 2.3       | 2.2  | 0.8   | 3.2   | 2.3   | 3.5        | 2.4   | 3.4  | 2.4   | 3.2        | 2.3   | 3.2   | 2.3   | 3.5        | 2.4   | 3.4  | 2.4   | 3.2        | 2.3   |
| 1730  | 0.5       | -2.5   | -2.7  | -0.4  | -0.5  | -0.4       | -0.5  | -0.4 | -0.5  | -0.4       | -0.5  | -0.4  | -0.5  | -0.4       | -0.5  | -0.4 | -0.5  | -0.4       | -0.5  |
| 1830  | -1.5      | -4.8   | -4.8  | -2.6  | -2.6  | -2.6       | -2.6  | -2.6 | -2.6  | -2.6       | -2.6  | -2.6  | -2.6  | -2.6       | -2.6  | -2.6 | -2.6  | -2.6       | -2.6  |
| 1930  | -2.3      | -5.6   | -5.6  | -3.4  | -3.4  | -3.4       | -3.4  | -3.4 | -3.4  | -3.4       | -3.4  | -3.4  | -3.4  | -3.4       | -3.4  | -3.4 | -3.4  | -3.4       | -3.4  |
| 2030  | -3.8      | -7.1   | -7.1  | -4.9  | -4.9  | -4.9       | -4.9  | -4.9 | -4.9  | -4.9       | -4.9  | -4.9  | -4.9  | -4.9       | -4.9  | -4.9 | -4.9  | -4.9       | -4.9  |
| 2130  | -4.3      | -7.6   | -7.6  | -5.4  | -5.4  | -5.4       | -5.4  | -5.4 | -5.4  | -5.4       | -5.4  | -5.4  | -5.4  | -5.4       | -5.4  | -5.4 | -5.4  | -5.4       | -5.4  |
| 2230  | -4.2      | -7.5   | -7.5  | -5.3  | -5.3  | -5.3       | -5.3  | -5.3 | -5.3  | -5.3       | -5.3  | -5.3  | -5.3  | -5.3       | -5.3  | -5.3 | -5.3  | -5.3       | -5.3  |
| 2330  | -4.9      | -8.2   | -8.2  | -6.0  | -6.0  | -6.0       | -6.0  | -6.0 | -6.0  | -6.0       | -6.0  | -6.0  | -6.0  | -6.0       | -6.0  | -6.0 | -6.0  | -6.0       | -6.0  |
| Mean  | -2.4      | -1.5   | -3.4  | -1.9  | -2.6  | -1.6       | -2.5  | 1.3  | -0.9  | 5.9        | 1.7   | 8.4   | 3.1   | 5.1        | 1.3   | 0.6  | -1.2  | -1.8       | -2.6  |

\* Greenwich Mean Time

Table 2.14(f) Air and corresponding sol-air temperatures: Leeds (Church Fenton) (January 2002–December 2011) — *continued*

March 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 0.5       | -2.1   | -2.1  | -0.4  | -0.4  | -0.4       | -0.4  | -0.4 | -0.4  | -0.4       | -0.4  | -0.4  | -0.4  | -0.4       | -0.4  | -0.4 | -0.4  | -0.4       | -0.4  |
| 0130  | 0.5       | -0.4   | -0.4  | 0.2   | 0.2   | 0.2        | 0.2   | 0.2  | 0.2   | 0.2        | 0.2   | 0.2   | 0.2   | 0.2        | 0.2   | 0.2  | 0.2   | 0.2        | 0.2   |
| 0230  | -0.4      | -1.3   | -1.3  | -0.7  | -0.7  | -0.7       | -0.7  | -0.7 | -0.7  | -0.7       | -0.7  | -0.7  | -0.7  | -0.7       | -0.7  | -0.7 | -0.7  | -0.7       | -0.7  |
| 0330  | -1.0      | -1.9   | -1.9  | -1.3  | -1.3  | -1.3       | -1.3  | -1.3 | -1.3  | -1.3       | -1.3  | -1.3  | -1.3  | -1.3       | -1.3  | -1.3 | -1.3  | -1.3       | -1.3  |
| 0430  | 1.1       | 0.6  | 0.6   | 0.9   | 0.9   | 0.9        | 0.9   | 0.9  | 0.9   | 0.9        | 0.9   | 0.9   | 0.9   | 0.9        | 0.9   | 0.9  | 0.9   | 0.9        | 0.9   |
| 0530  | 0.5       | 0.0  | 0.0   | 0.3   | 0.3   | 0.3        | 0.3   | 0.3  | 0.3   | 0.3        | 0.3   | 0.3   | 0.3   | 0.3        | 0.3   | 0.3  | 0.3   | 0.3        | 0.3   |
| 0630  | 0.5       | 0.1  | 0.1   | 0.4   | 0.3   | 0.4        | 0.3   | 0.4  | 0.3   | 0.4        | 0.3   | 0.4   | 0.3   | 0.4        | 0.3   | 0.4  | 0.3   | 0.4        | 0.3   |
| 0730  | 0.2       | -0.6   | -1.3  | 0.5   | 0.0   | 0.7        | 0.1   | 0.8  | 0.2   | 0.8        | 0.2   | 0.6   | 0.1   | 0.5        | 0.0   | 0.5  | 0.0   | 0.5        | 0.0   |
| 0830  | 1.8       | 9.6  | 4.8   | 4.8   | 3.0   | 13.8       | 8.0   | 33.6 | 19.0  | 36.5       | 20.6  | 20.6  | 11.8  | 4.8        | 3.0   | 4.8  | 3.0   | 4.8        | 3.0   |
| 0930  | 3.5       | 15.9   | 9.0   | 7.7   | 5.4   | 8.2        | 5.6   | 33.6 | 19.7  | 43.4       | 25.2  | 32.0  | 18.9  | 7.7        | 5.4   | 7.7  | 5.4   | 7.7        | 5.4   |
| 1030  | 4.1       | 22.0   | 12.7  | 8.7   | 6.2   | 8.7        | 6.2   | 30.6 | 18.4  | 51.3       | 29.9  | 46.4  | 27.1  | 18.7       | 11.8  | 8.7  | 6.2   | 8.7        | 6.2   |
| 1130  | 5.3       | 27.1   | 16.1  | 10.1  | 7.5   | 10.1       | 7.5   | 19.9 | 13.0  | 50.7       | 30.1  | 56.9  | 33.5  | 35.0       | 21.3  | 10.1 | 7.5   | 10.1       | 7.5   |
| 1230  | 6.1       | 29.0   | 17.5  | 10.9  | 8.3   | 10.9       | 8.3   | 10.9 | 8.3   | 42.0       | 25.6  | 60.4  | 35.8  | 49.1       | 29.5  | 14.6 | 10.4  | 10.9       | 8.3   |
| 1330  | 6.7       | 28.3   | 17.4  | 11.2  | 8.7   | 11.2       | 8.7   | 11.2 | 8.7   | 29.0       | 18.6  | 58.1  | 34.8  | 59.0       | 35.3  | 31.2 | 19.9  | 11.2       | 8.7   |
| 1430  | 7.1       | 25.4   | 16.3  | 11.2  | 9.0   | 11.2       | 9.0   | 11.2 | 9.0   | 14.2       | 10.7  | 49.8  | 30.5  | 62.2       | 37.4  | 44.1 | 27.3  | 11.2       | 9.0   |
| 1530  | 6.4       | 19.5   | 13.0  | 10.0  | 8.1   | 10.0       | 8.1   | 10.0 | 8.1   | 10.0       | 8.1   | 35.7  | 22.4  | 55.3       | 33.3  | 47.9 | 29.2  | 17.8       | 12.5  |
| 1630  | 5.2       | 9.1  | 7.0   | 7.8   | 6.5   | 7.8        | 6.5   | 7.8  | 6.5   | 7.8        | 6.5   | 10.2  | 7.8   | 13.0       | 9.4   | 13.1 | 9.5   | 10.5       | 8.0   |
| 1730  | 3.6       | 1.5  | 1.1   | 3.4   | 3.0   | 3.4        | 3.0   | 3.4  | 3.0   | 3.4        | 3.0   | 3.4   | 3.0   | 3.4        | 3.0   | 3.4  | 3.0   | 3.4        | 3.0   |
| 1830  | 1.6       | 0.7  | 0.7   | 1.3   | 1.3   | 1.3        | 1.3   | 1.3  | 1.3   | 1.3        | 1.3   | 1.3   | 1.3   | 1.3        | 1.3   | 1.3  | 1.3   | 1.3        | 1.3   |
| 1930  | 0.7       | 0.2  | 0.2   | 0.5   | 0.5   | 0.5        | 0.5   | 0.5  | 0.5   | 0.5        | 0.5   | 0.5   | 0.5   | 0.5        | 0.5   | 0.5  | 0.5   | 0.5        | 0.5   |
| 2030  | -0.7      | -2.3   | -2.3  | -1.3  | -1.3  | -1.3       | -1.3  | -1.3 | -1.3  | -1.3       | -1.3  | -1.3  | -1.3  | -1.3       | -1.3  | -1.3 | -1.3  | -1.3       | -1.3  |
| 2130  | 1.0       | 0.1  | 0.1   | 0.7   | 0.7   | 0.7        | 0.7   | 0.7  | 0.7   | 0.7        | 0.7   | 0.7   | 0.7   | 0.7        | 0.7   | 0.7  | 0.7   | 0.7        | 0.7   |
| 2230  | -1.1      | -2.0   | -2.0  | -1.4  | -1.4  | -1.4       | -1.4  | -1.4 | -1.4  | -1.4       | -1.4  | -1.4  | -1.4  | -1.4       | -1.4  | -1.4 | -1.4  | -1.4       | -1.4  |
| 2330  | 0.2       | -3.1   | -3.1  | -0.9  | -0.9  | -0.9       | -0.9  | -0.9 | -0.9  | -0.9       | -0.9  | -0.9  | -0.9  | -0.9       | -0.9  | -0.9 | -0.9  | -0.9       | -0.9  |
| Mean  | 2.2       | 7.3  | 4.3   | 3.5   | 2.7   | 3.9        | 2.9   | 7.1  | 4.7   | 12.0       | 7.4   | 15.5  | 9.3   | 12.8       | 7.8   | 7.7  | 5.0   | 3.9        | 2.9   |

\* Greenwich Mean Time

April 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | -0.4      | -3.7   | -3.7  | -1.5  | -1.5  | -1.5       | -1.5  | -1.5 | -1.5  | -1.5       | -1.5  | -1.5  | -1.5  | -1.5       | -1.5  | -1.5 | -1.5  | -1.5       | -1.5  |
| 0130  | -0.9      | -4.2   | -4.2  | -2.0  | -2.0  | -2.0       | -2.0  | -2.0 | -2.0  | -2.0       | -2.0  | -2.0  | -2.0  | -2.0       | -2.0  | -2.0 | -2.0  | -2.0       | -2.0  |
| 0230  | 0.0       | -1.2   | -1.2  | -0.4  | -0.4  | -0.4       | -0.4  | -0.4 | -0.4  | -0.4       | -0.4  | -0.4  | -0.4  | -0.4       | -0.4  | -0.4 | -0.4  | -0.4       | -0.4  |
| 0330  | 0.2       | -0.7   | -0.7  | -0.1  | -0.1  | -0.1       | -0.1  | -0.1 | -0.1  | -0.1       | -0.1  | -0.1  | -0.1  | -0.1       | -0.1  | -0.1 | -0.1  | -0.1       | -0.1  |
| 0430  | -0.3      | -2.9   | -2.9  | -1.2  | -1.2  | -1.2       | -1.2  | -1.2 | -1.2  | -1.2       | -1.2  | -1.2  | -1.2  | -1.2       | -1.2  | -1.2 | -1.2  | -1.2       | -1.2  |
| 0530  | 0.5       | -1.3   | -1.5  | 0.1   | -0.1  | 0.1        | -0.1  | 0.1  | -0.1  | 0.1        | -0.1  | 0.1   | -0.1  | 0.1        | -0.1  | 0.1  | -0.1  | 0.1        | -0.1  |
| 0630  | 1.8       | 5.8  | 3.5   | 5.0   | 3.4   | 13.5       | 8.1   | 16.8 | 9.9   | 13.0       | 7.8   | 4.2   | 2.9   | 4.2        | 2.9   | 4.2  | 2.9   | 4.2        | 2.9   |
| 0730  | 3.3       | 11.7   | 6.7   | 6.8   | 4.8   | 23.1       | 13.8  | 35.2 | 20.6  | 30.6       | 18.0  | 11.9  | 7.6   | 6.8        | 4.8   | 6.8  | 4.8   | 6.8        | 4.8   |
| 0830  | 4.8       | 19.8   | 11.8  | 9.3   | 6.9   | 22.3       | 14.1  | 43.9 | 26.0  | 44.6       | 26.5  | 24.2  | 15.1  | 9.3        | 6.9   | 9.3  | 6.9   | 9.3        | 6.9   |
| 0930  | 5.7       | 26.3   | 15.8  | 11.0  | 8.2   | 13.8       | 9.8   | 41.5 | 25.1  | 50.6       | 30.2  | 35.8  | 22.0  | 11.0       | 8.2   | 11.0 | 8.2   | 11.0       | 8.2   |
| 1030  | 6.8       | 30.2   | 18.5  | 12.9  | 9.8   | 12.9       | 9.8   | 31.6 | 20.1  | 47.8       | 29.1  | 42.8  | 26.3  | 19.4       | 13.3  | 12.9 | 9.8   | 12.9       | 9.8   |
| 1130  | 7.3       | 31.4   | 19.4  | 14.1  | 10.6  | 14.1       | 10.6  | 19.6 | 13.7  | 40.4       | 25.2  | 44.9  | 27.8  | 30.5       | 19.8  | 14.1 | 10.6  | 14.1       | 10.6  |
| 1230  | 8.8       | 35.1   | 22.1  | 15.2  | 11.9  | 15.2       | 11.9  | 15.2 | 11.9  | 35.2       | 23.0  | 50.4  | 31.4  | 44.0       | 27.9  | 19.9 | 14.5  | 15.2       | 11.9  |
| 1330  | 8.9       | 33.5   | 21.4  | 15.1  | 12.0  | 15.1       | 12.0  | 15.1 | 12.0  | 23.2       | 16.4  | 46.4  | 29.3  | 50.4       | 31.6  | 32.9 | 21.9  | 15.1       | 12.0  |
| 1430  | 9.6       | 30.9   | 20.4  | 15.4  | 12.5  | 15.4       | 12.5  | 15.4 | 12.5  | 15.4       | 12.5  | 39.9  | 26.1  | 53.2       | 33.5  | 43.5 | 28.1  | 16.7       | 13.2  |
| 1530  | 9.6       | 27.5   | 18.7  | 14.4  | 11.9  | 14.4       | 11.9  | 14.4 | 11.9  | 14.4       | 11.9  | 32.1  | 21.8  | 54.3       | 34.2  | 52.5 | 33.1  | 27.7       | 19.4  |
| 1630  | 9.1       | 17.2   | 12.3  | 12.9  | 10.8  | 12.9       | 10.8  | 12.9 | 10.8  | 12.9       | 10.8  | 17.8  | 13.5  | 32.4       | 21.6  | 35.7 | 23.4  | 25.6       | 17.8  |
| 1730  | 7.4       | 12.0   | 8.5   | 9.3   | 7.9   | 9.2        | 7.9   | 9.2  | 7.9   | 9.2        | 7.9   | 9.2   | 7.9   | 32.8       | 21.0  | 42.9 | 26.6  | 33.2       | 21.2  |
| 1830  | 5.9       | 4.3  | 3.5   | 6.2   | 5.6   | 6.2        | 5.6   | 6.2  | 5.6   | 6.2        | 5.6   | 6.2   | 5.6   | 6.2        | 5.6   | 6.2  | 5.6   | 6.2        | 5.6   |
| 1930  | 4.8       | 1.5  | 1.5   | 3.7   | 3.7   | 3.7        | 3.7   | 3.7  | 3.7   | 3.7        | 3.7   | 3.7   | 3.7   | 3.7        | 3.7   | 3.7  | 3.7   | 3.7        | 3.7   |
| 2030  | 3.7       | 0.4  | 0.4   | 2.6   | 2.6   | 2.6        | 2.6   | 2.6  | 2.6   | 2.6        | 2.6   | 2.6   | 2.6   | 2.6        | 2.6   | 2.6  | 2.6   | 2.6        | 2.6   |
| 2130  | 2.7       | -0.6   | -0.6  | 1.6   | 1.6   | 1.6        | 1.6   | 1.6  | 1.6   | 1.6        | 1.6   | 1.6   | 1.6   | 1.6        | 1.6   | 1.6  | 1.6   | 1.6        | 1.6   |
| 2230  | 2.9       | -0.4   | -0.4  | 1.8   | 1.8   | 1.8        | 1.8   | 1.8  | 1.8   | 1.8        | 1.8   | 1.8   | 1.8   | 1.8        | 1.8   | 1.8  | 1.8   | 1.8        | 1.8   |
| 2330  | -0.6      | -3.9   | -3.9  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  |
| Mean  | 4.2       | 11.2   | 6.9   | 6.3   | 4.9   | 7.9        | 5.9   | 11.6 | 7.9   | 14.4       | 9.5   | 15.3  | 10.0  | 14.9       | 9.7   | 12.3 | 8.3   | 8.4        | 6.1   |

\* Greenwich Mean Time

Table 2.14(f) Air and corresponding sol-air temperatures: Leeds (Church Fenton) (January 2002–December 2011) — *continued*

May 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 0.8       | -2.5   | -2.5  | -0.3  | -0.3  | -0.3       | -0.3  | -0.3 | -0.3  | -0.3       | -0.3  | -0.3  | -0.3  | -0.3       | -0.3  | -0.3 | -0.3  | -0.3       | -0.3  |
| 0130  | -0.1      | -3.4   | -3.4  | -1.2  | -1.2  | -1.2       | -1.2  | -1.2 | -1.2  | -1.2       | -1.2  | -1.2  | -1.2  | -1.2       | -1.2  | -1.2 | -1.2  | -1.2       | -1.2  |
| 0230  | -0.7      | -4.0   | -4.0  | -1.8  | -1.8  | -1.8       | -1.8  | -1.8 | -1.8  | -1.8       | -1.8  | -1.8  | -1.8  | -1.8       | -1.8  | -1.8 | -1.8  | -1.8       | -1.8  |
| 0330  | -0.6      | -3.9   | -3.9  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  | -1.7  | -1.7  | -1.7       | -1.7  | -1.7 | -1.7  | -1.7       | -1.7  |
| 0430  | -1.1      | -4.2   | -4.3  | -2.1  | -2.1  | -2.1       | -2.1  | -2.1 | -2.1  | -2.1       | -2.1  | -2.1  | -2.1  | -2.1       | -2.1  | -2.1 | -2.1  | -2.1       | -2.1  |
| 0530  | 0.8       | 0.9  | -0.6  | 3.4   | 1.7   | 5.3        | 2.8   | 5.5  | 2.9   | 3.9        | 2.0   | 1.8   | 0.9   | 1.8        | 0.9   | 1.8  | 0.9   | 1.8        | 0.9   |
| 0630  | 3.5       | 10.2   | 6.5   | 9.5   | 6.6   | 18.2       | 11.4  | 21.0 | 13.0  | 16.1       | 10.2  | 7.3   | 5.4   | 7.3        | 5.4   | 7.3  | 5.4   | 7.3        | 5.4   |
| 0730  | 7.5       | 22.0   | 15.2  | 13.1  | 10.5  | 31.6       | 20.7  | 42.2 | 26.7  | 35.6       | 22.9  | 15.5  | 11.8  | 13.1       | 10.5  | 13.1 | 10.5  | 13.1       | 10.5  |
| 0830  | 9.8       | 30.1   | 20.7  | 16.4  | 13.3  | 30.3       | 21.0  | 47.3 | 30.5  | 45.7       | 29.6  | 26.3  | 18.8  | 16.4       | 13.3  | 16.4 | 13.3  | 16.4       | 13.3  |
| 0930  | 11.6      | 37.6   | 25.6  | 18.6  | 15.4  | 23.7       | 18.2  | 46.5 | 30.9  | 52.2       | 34.0  | 37.3  | 25.7  | 18.6       | 15.4  | 18.6 | 15.4  | 18.6       | 15.4  |
| 1030  | 12.8      | 40.1   | 27.6  | 21.1  | 17.3  | 21.1       | 17.3  | 36.4 | 25.8  | 47.6       | 32.0  | 42.4  | 29.1  | 23.9       | 18.8  | 21.1 | 17.3  | 21.1       | 17.3  |
| 1130  | 13.8      | 44.7   | 30.4  | 21.5  | 17.9  | 21.5       | 17.9  | 26.7 | 20.8  | 45.7       | 31.3  | 49.5  | 33.4  | 35.9       | 25.9  | 21.5 | 17.9  | 21.5       | 17.9  |
| 1230  | 14.2      | 45.9   | 31.3  | 21.6  | 18.1  | 21.6       | 18.1  | 21.6 | 18.1  | 37.2       | 26.8  | 50.9  | 34.4  | 46.5       | 32.0  | 26.6 | 20.9  | 21.6       | 18.1  |
| 1330  | 15.3      | 45.3   | 31.6  | 22.7  | 19.3  | 22.7       | 19.3  | 22.7 | 19.3  | 26.6       | 21.5  | 48.3  | 33.5  | 54.0       | 36.7  | 40.4 | 29.1  | 22.7       | 19.3  |
| 1430  | 15.7      | 41.4   | 29.6  | 22.9  | 19.6  | 22.9       | 19.6  | 22.9 | 19.6  | 22.9       | 19.6  | 41.3  | 29.8  | 55.4       | 37.6  | 49.6 | 34.4  | 27.3       | 22.0  |
| 1530  | 15.4      | 37.9   | 27.5  | 21.4  | 18.6  | 21.4       | 18.6  | 21.4 | 18.6  | 21.4       | 18.6  | 33.6  | 25.4  | 56.9       | 38.3  | 58.5 | 39.2  | 37.7       | 27.6  |
| 1630  | 14.4      | 28.4   | 20.7  | 18.7  | 16.3  | 18.7       | 16.3  | 18.7 | 16.3  | 18.7       | 16.3  | 21.9  | 18.1  | 48.0       | 32.6  | 56.5 | 37.3  | 42.3       | 29.4  |
| 1730  | 12.6      | 19.9   | 15.2  | 18.8  | 15.5  | 15.9       | 13.9  | 15.9 | 13.9  | 15.9       | 13.9  | 15.9  | 13.9  | 33.3       | 23.6  | 43.6 | 29.3  | 37.6       | 26.0  |
| 1830  | 10.7      | 11.3   | 9.5   | 14.0  | 12.1  | 12.0       | 10.9  | 12.0 | 10.9  | 12.0       | 10.9  | 12.0  | 10.9  | 14.8       | 12.5  | 17.2 | 13.8  | 16.9       | 13.7  |
| 1930  | 9.0       | 7.0  | 6.7   | 8.7   | 8.4   | 8.7        | 8.4   | 8.7  | 8.4   | 8.7        | 8.4   | 8.7   | 8.4   | 8.7        | 8.4   | 8.7  | 8.4   | 8.7        | 8.4   |
| 2030  | 8.0       | 5.4  | 5.4   | 7.1   | 7.1   | 7.1        | 7.1   | 7.1  | 7.1   | 7.1        | 7.1   | 7.1   | 7.1   | 7.1        | 7.1   | 7.1  | 7.1   | 7.1        | 7.1   |
| 2130  | 6.7       | 4.4  | 4.4   | 5.9   | 5.9   | 5.9        | 5.9   | 5.9  | 5.9   | 5.9        | 5.9   | 5.9   | 5.9   | 5.9        | 5.9   | 5.9  | 5.9   | 5.9        | 5.9   |
| 2230  | 6.3       | 5.4  | 5.4   | 6.0   | 6.0   | 6.0        | 6.0   | 6.0  | 6.0   | 6.0        | 6.0   | 6.0   | 6.0   | 6.0        | 6.0   | 6.0  | 6.0   | 6.0        | 6.0   |
| 2330  | 1.9       | -1.4   | -1.4  | 0.8   | 0.8   | 0.8        | 0.8   | 0.8  | 0.8   | 0.8        | 0.8   | 0.8   | 0.8   | 0.8        | 0.8   | 0.8  | 0.8   | 0.8        | 0.8   |
| Mean  | 7.8       | 17.4   | 12.2  | 11.0  | 9.3   | 12.8       | 10.3  | 15.9 | 12.0  | 17.6       | 12.9  | 17.7  | 13.0  | 18.6       | 13.5  | 17.2 | 12.7  | 13.6       | 10.7  |

\* Greenwich Mean Time

June 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 4.1       | 0.8  | 0.8   | 3.0   | 3.0   | 3.0        | 3.0   | 3.0  | 3.0   | 3.0        | 3.0   | 3.0   | 3.0   | 3.0        | 3.0   | 3.0  | 3.0   | 3.0        | 3.0   |
| 0130  | 4.4       | 1.1  | 1.1   | 3.3   | 3.3   | 3.3        | 3.3   | 3.3  | 3.3   | 3.3        | 3.3   | 3.3   | 3.3   | 3.3        | 3.3   | 3.3  | 3.3   | 3.3        | 3.3   |
| 0230  | 4.0       | 0.7  | 0.7   | 2.9   | 2.9   | 2.9        | 2.9   | 2.9  | 2.9   | 2.9        | 2.9   | 2.9   | 2.9   | 2.9        | 2.9   | 2.9  | 2.9   | 2.9        | 2.9   |
| 0330  | 3.5       | 0.2  | 0.2   | 2.4   | 2.4   | 2.4        | 2.4   | 2.4  | 2.4   | 2.4        | 2.4   | 2.4   | 2.4   | 2.4        | 2.4   | 2.4  | 2.4   | 2.4        | 2.4   |
| 0430  | 4.0       | 2.2  | 1.5   | 4.2   | 3.6   | 4.2        | 3.6   | 4.2  | 3.6   | 4.2        | 3.6   | 4.2   | 3.6   | 4.2        | 3.6   | 4.2  | 3.6   | 4.2        | 3.6   |
| 0530  | 5.8       | 7.7  | 5.4   | 12.0  | 8.7   | 18.0       | 12.1  | 18.2 | 12.2  | 12.4       | 9.0   | 7.6   | 6.3   | 7.6        | 6.3   | 7.6  | 6.3   | 7.6        | 6.3   |
| 0630  | 7.7       | 15.0   | 10.4  | 15.3  | 11.5  | 29.0       | 19.1  | 32.6 | 21.1  | 23.8       | 16.2  | 11.4  | 9.3   | 11.4       | 9.3   | 11.4 | 9.3   | 11.4       | 9.3   |
| 0730  | 9.7       | 22.3   | 15.4  | 15.0  | 12.2  | 32.9       | 22.2  | 41.4 | 26.9  | 34.2       | 22.9  | 15.6  | 12.5  | 15.0       | 12.2  | 15.0 | 12.2  | 15.0       | 12.2  |
| 0830  | 11.0      | 28.2   | 19.2  | 17.6  | 14.2  | 30.4       | 21.3  | 42.9 | 28.3  | 40.2       | 26.8  | 23.9  | 17.7  | 17.6       | 14.2  | 17.6 | 14.2  | 17.6       | 14.2  |
| 0930  | 12.5      | 37.2   | 24.9  | 19.0  | 15.7  | 26.1       | 19.6  | 47.0 | 31.2  | 50.6       | 33.2  | 34.8  | 24.4  | 19.0       | 15.7  | 19.0 | 15.7  | 19.0       | 15.7  |
| 1030  | 13.5      | 40.7   | 27.3  | 20.9  | 17.1  | 20.9       | 17.1  | 38.0 | 26.7  | 48.1       | 32.3  | 41.3  | 28.5  | 21.5       | 17.5  | 20.9 | 17.1  | 20.9       | 17.1  |
| 1130  | 14.6      | 43.3   | 29.2  | 22.4  | 18.5  | 22.4       | 18.5  | 28.0 | 21.6  | 43.4       | 30.2  | 45.6  | 31.4  | 33.1       | 24.4  | 22.4 | 18.5  | 22.4       | 18.5  |
| 1230  | 15.5      | 45.5   | 31.3  | 23.6  | 19.7  | 23.6       | 19.7  | 23.6 | 19.7  | 36.4       | 26.8  | 47.1  | 32.8  | 43.1       | 30.5  | 26.6 | 21.4  | 23.6       | 19.7  |
| 1330  | 16.2      | 46.4   | 32.5  | 24.0  | 20.3  | 24.0       | 20.3  | 24.0 | 20.3  | 27.1       | 22.1  | 46.4  | 32.8  | 51.5       | 35.6  | 39.5 | 28.9  | 24.0       | 20.3  |
| 1430  | 17.1      | 43.6   | 31.5  | 24.8  | 21.3  | 24.8       | 21.3  | 24.8 | 21.3  | 24.8       | 21.3  | 40.7  | 30.1  | 53.7       | 37.3  | 48.9 | 34.6  | 29.1       | 23.6  |
| 1530  | 17.2      | 37.5   | 27.0  | 23.2  | 20.0  | 23.2       | 20.0  | 23.2 | 20.0  | 23.2       | 20.0  | 32.8  | 25.3  | 53.0       | 36.6  | 55.0 | 37.7  | 37.7       | 28.1  |
| 1630  | 17.4      | 32.6   | 24.4  | 22.4  | 19.7  | 22.4       | 19.7  | 22.4 | 19.7  | 22.4       | 19.7  | 24.4  | 20.8  | 48.6       | 34.2  | 56.9 | 38.8  | 44.5       | 31.9  |
| 1730  | 17.2      | 28.0   | 21.7  | 25.0  | 21.0  | 20.6       | 18.6  | 20.6 | 18.6  | 20.6       | 18.6  | 20.6  | 18.6  | 44.2       | 31.7  | 59.4 | 40.1  | 51.4       | 35.7  |
| 1830  | 15.4      | 18.2   | 15.5  | 22.1  | 18.6  | 17.6       | 16.1  | 17.6 | 16.1  | 17.6       | 16.1  | 17.6  | 16.1  | 23.6       | 19.5  | 30.0 | 23.0  | 29.3       | 22.6  |
| 1930  | 13.2      | 11.4   | 10.7  | 13.4  | 12.8  | 13.2       | 12.7  | 13.2 | 12.7  | 13.2       | 12.7  | 13.2  | 12.7  | 13.3       | 12.8  | 13.6 | 12.9  | 13.6       | 12.9  |
| 2030  | 12.4      | 9.3  | 9.2   | 11.5  | 11.4  | 11.5       | 11.4  | 11.5 | 11.4  | 11.5       | 11.4  | 11.5  | 11.4  | 11.5       | 11.4  | 11.5 | 11.4  | 11.5       | 11.4  |
| 2130  | 11.4      | 8.1  | 8.1   | 10.3  | 10.3  | 10.3       | 10.3  | 10.3 | 10.3  | 10.3       | 10.3  | 10.3  | 10.3  | 10.3       | 10.3  | 10.3 | 10.3  | 10.3       | 10.3  |
| 2230  | 9.7       | 6.4  | 6.4   | 8.6   | 8.6   | 8.6        | 8.6   | 8.6  | 8.6   | 8.6        | 8.6   | 8.6   | 8.6   | 8.6        | 8.6   | 8.6  | 8.6   | 8.6        | 8.6   |
| 2330  | 4.7       | 1.4  | 1.4   | 3.6   | 3.6   | 3.6        | 3.6   | 3.6  | 3.6   | 3.6        | 3.6   | 3.6   | 3.6   | 3.6        | 3.6   | 3.6  | 3.6   | 3.6        | 3.6   |
| Mean  | 10.9      | 20.3   | 14.8  | 14.6  | 12.5  | 16.6       | 13.6  | 19.5 | 15.2  | 20.3       | 15.7  | 19.7  | 15.3  | 21.1       | 16.1  | 20.6 | 15.8  | 17.4       | 14.0  |

\* Greenwich Mean Time

Table 2.14(f) Air and corresponding sol-air temperatures: Leeds (Church Fenton) (January 2002–December 2011) — *continued*

July 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 13.0      | 9.7  | 9.7   | 11.9  | 11.9  | 11.9       | 11.9  | 11.9 | 11.9  | 11.9       | 11.9  | 11.9  | 11.9  | 11.9       | 11.9  | 11.9 | 11.9  | 11.9       | 11.9  |
| 0130  | 13.0      | 9.7  | 9.7   | 11.9  | 11.9  | 11.9       | 11.9  | 11.9 | 11.9  | 11.9       | 11.9  | 11.9  | 11.9  | 11.9       | 11.9  | 11.9 | 11.9  | 11.9       | 11.9  |
| 0230  | 12.6      | 9.3  | 9.3   | 11.5  | 11.5  | 11.5       | 11.5  | 11.5 | 11.5  | 11.5       | 11.5  | 11.5  | 11.5  | 11.5       | 11.5  | 11.5 | 11.5  | 11.5       | 11.5  |
| 0330  | 11.5      | 8.2  | 8.2   | 10.4  | 10.4  | 10.4       | 10.4  | 10.4 | 10.4  | 10.4       | 10.4  | 10.4  | 10.4  | 10.4       | 10.4  | 10.4 | 10.4  | 10.4       | 10.4  |
| 0430  | 11.8      | 9.2  | 8.9   | 11.3  | 11.0  | 11.3       | 11.0  | 11.3 | 11.0  | 11.3       | 11.0  | 11.3  | 11.0  | 11.3       | 11.0  | 11.3 | 11.0  | 11.3       | 11.0  |
| 0530  | 13.8      | 14.4   | 12.6  | 18.6  | 16.0  | 23.9       | 18.9  | 24.2 | 19.1  | 19.3       | 16.3  | 14.9  | 13.9  | 14.9       | 13.9  | 14.9 | 13.9  | 14.9       | 13.9  |
| 0630  | 16.5      | 22.3   | 18.4  | 22.9  | 19.6  | 36.0       | 26.9  | 39.7 | 28.9  | 31.7       | 24.5  | 19.6  | 17.8  | 19.6       | 17.8  | 19.6 | 17.8  | 19.6       | 17.8  |
| 0730  | 20.1      | 31.0   | 24.7  | 24.7  | 22.2  | 42.9       | 32.3  | 52.1 | 37.4  | 45.1       | 33.5  | 26.0  | 22.9  | 24.7       | 22.2  | 24.7 | 22.2  | 24.7       | 22.2  |
| 0830  | 23.0      | 39.3   | 30.6  | 28.8  | 25.7  | 42.9       | 33.6  | 57.7 | 41.8  | 55.1       | 40.4  | 36.7  | 30.1  | 28.8       | 25.7  | 28.8 | 25.7  | 28.8       | 25.7  |
| 0930  | 25.3      | 46.6   | 35.6  | 31.9  | 28.5  | 38.1       | 31.9  | 57.6 | 42.8  | 61.4       | 44.9  | 47.2  | 36.9  | 31.9       | 28.5  | 31.9 | 28.5  | 31.9       | 28.5  |
| 1030  | 26.3      | 50.8   | 38.4  | 33.6  | 29.8  | 33.6       | 29.8  | 50.7 | 39.3  | 60.9       | 45.0  | 54.3  | 41.3  | 34.6       | 30.4  | 33.6 | 29.8  | 33.6       | 29.8  |
| 1130  | 27.2      | 53.2   | 40.2  | 35.0  | 31.0  | 35.0       | 31.0  | 41.2 | 34.5  | 56.5       | 43.0  | 58.3  | 44.0  | 45.5       | 36.9  | 35.0 | 31.0  | 35.0       | 31.0  |
| 1230  | 27.3      | 53.6   | 40.4  | 35.2  | 31.2  | 35.2       | 31.2  | 35.2 | 31.2  | 49.0       | 38.8  | 58.9  | 44.3  | 54.0       | 41.6  | 37.1 | 32.3  | 35.2       | 31.2  |
| 1330  | 28.0      | 53.5   | 40.9  | 35.7  | 31.8  | 35.7       | 31.8  | 35.7 | 31.8  | 40.4       | 34.4  | 57.5  | 43.9  | 61.0       | 45.9  | 48.7 | 39.1  | 35.7       | 31.8  |
| 1430  | 27.9      | 50.7   | 39.1  | 34.7  | 31.2  | 34.7       | 31.2  | 34.7 | 31.2  | 34.7       | 31.2  | 52.5  | 41.1  | 64.3       | 47.6  | 57.9 | 44.1  | 37.2       | 32.5  |
| 1530  | 27.3      | 46.3   | 36.3  | 33.2  | 30.1  | 33.2       | 30.1  | 33.2 | 30.1  | 33.2       | 30.1  | 44.6  | 36.4  | 63.3       | 46.8  | 63.7 | 47.0  | 45.6       | 37.0  |
| 1630  | 26.6      | 41.0   | 33.1  | 31.3  | 28.7  | 31.3       | 28.7  | 31.3 | 28.7  | 31.3       | 28.7  | 35.4  | 31.0  | 59.5       | 44.4  | 66.6 | 48.3  | 52.4       | 40.5  |
| 1730  | 25.0      | 34.0   | 28.5  | 30.5  | 27.6  | 28.3       | 26.4  | 28.3 | 26.4  | 28.3       | 26.4  | 28.3  | 26.4  | 50.3       | 38.5  | 62.2 | 45.1  | 54.0       | 40.6  |
| 1830  | 22.7      | 26.4   | 23.2  | 32.3  | 27.5  | 24.5       | 23.2  | 24.5 | 23.2  | 24.5       | 23.2  | 24.5  | 23.2  | 38.2       | 30.8  | 51.8 | 38.4  | 49.3       | 37.0  |
| 1930  | 20.2      | 19.4   | 18.2  | 20.7  | 20.0  | 20.7       | 20.0  | 20.9 | 20.1  | 20.9       | 20.1  | 20.7  | 20.0  | 20.7       | 20.0  | 20.9 | 20.1  | 20.9       | 20.1  |
| 2030  | 18.1      | 15.0   | 14.9  | 17.2  | 17.1  | 17.2       | 17.1  | 17.2 | 17.1  | 17.2       | 17.1  | 17.2  | 17.1  | 17.2       | 17.1  | 17.2 | 17.1  | 17.2       | 17.1  |
| 2130  | 17.1      | 13.8   | 13.8  | 16.0  | 16.0  | 16.0       | 16.0  | 16.0 | 16.0  | 16.0       | 16.0  | 16.0  | 16.0  | 16.0       | 16.0  | 16.0 | 16.0  | 16.0       | 16.0  |
| 2230  | 16.9      | 16.0   | 16.0  | 16.6  | 16.6  | 16.6       | 16.6  | 16.6 | 16.6  | 16.6       | 16.6  | 16.6  | 16.6  | 16.6       | 16.6  | 16.6 | 16.6  | 16.6       | 16.6  |
| 2330  | 14.2      | 10.9   | 10.9  | 13.1  | 13.1  | 13.1       | 13.1  | 13.1 | 13.1  | 13.1       | 13.1  | 13.1  | 13.1  | 13.1       | 13.1  | 13.1 | 13.1  | 13.1       | 13.1  |
| Mean  | 20.2      | 28.5   | 23.4  | 23.7  | 21.7  | 25.7       | 22.8  | 28.6 | 24.4  | 29.7       | 25.0  | 29.1  | 24.7  | 30.5       | 25.4  | 29.9 | 25.1  | 26.6       | 23.3  |

\* Greenwich Mean Time

August 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 11.8      | 10.9   | 10.9  | 11.5  | 11.5  | 11.5       | 11.5  | 11.5 | 11.5  | 11.5       | 11.5  | 11.5  | 11.5  | 11.5       | 11.5  | 11.5 | 11.5  | 11.5       | 11.5  |
| 0130  | 11.5      | 10.3   | 10.3  | 11.1  | 11.1  | 11.1       | 11.1  | 11.1 | 11.1  | 11.1       | 11.1  | 11.1  | 11.1  | 11.1       | 11.1  | 11.1 | 11.1  | 11.1       | 11.1  |
| 0230  | 10.4      | 8.8  | 8.8   | 9.8   | 9.8   | 9.8        | 9.8   | 9.8  | 9.8   | 9.8        | 9.8   | 9.8   | 9.8   | 9.8        | 9.8   | 9.8  | 9.8   | 9.8        | 9.8   |
| 0330  | 10.4      | 9.6  | 9.5   | 10.1  | 10.1  | 10.1       | 10.1  | 10.1 | 10.1  | 10.1       | 10.1  | 10.1  | 10.1  | 10.1       | 10.1  | 10.1 | 10.1  | 10.1       | 10.1  |
| 0430  | 10.5      | 10.0   | 10.0  | 10.3  | 10.3  | 10.3       | 10.3  | 10.3 | 10.3  | 10.3       | 10.3  | 10.3  | 10.3  | 10.3       | 10.3  | 10.3 | 10.3  | 10.3       | 10.3  |
| 0530  | 10.9      | 9.9  | 9.3   | 11.2  | 10.7  | 11.2       | 10.7  | 11.2 | 10.7  | 11.2       | 10.7  | 11.2  | 10.7  | 11.2       | 10.7  | 11.2 | 10.7  | 11.2       | 10.7  |
| 0630  | 13.6      | 18.1   | 15.7  | 17.2  | 15.4  | 26.8       | 20.8  | 30.4 | 22.8  | 25.8       | 20.3  | 16.1  | 14.8  | 16.1       | 14.8  | 16.1 | 14.8  | 16.1       | 14.8  |
| 0730  | 16.3      | 26.9   | 21.8  | 20.5  | 18.5  | 37.7       | 28.0  | 49.8 | 34.8  | 44.6       | 31.9  | 25.2  | 21.1  | 20.5       | 18.5  | 20.5 | 18.5  | 20.5       | 18.5  |
| 0830  | 17.9      | 32.6   | 25.7  | 23.8  | 21.0  | 34.0       | 26.7  | 49.2 | 35.2  | 49.4       | 35.2  | 34.3  | 26.9  | 23.8       | 21.0  | 23.8 | 21.0  | 23.8       | 21.0  |
| 0930  | 18.3      | 38.1   | 28.9  | 25.1  | 21.9  | 28.1       | 23.6  | 49.3 | 35.3  | 55.8       | 39.0  | 43.8  | 32.3  | 25.1       | 21.9  | 25.1 | 21.9  | 25.1       | 21.9  |
| 1030  | 18.8      | 41.2   | 30.9  | 26.5  | 23.0  | 26.5       | 23.0  | 41.8 | 31.4  | 53.9       | 38.1  | 49.4  | 35.7  | 30.9       | 25.4  | 26.5 | 23.0  | 26.5       | 23.0  |
| 1130  | 18.7      | 41.2   | 30.8  | 27.3  | 23.3  | 27.3       | 23.3  | 32.2 | 26.1  | 46.5       | 34.0  | 49.2  | 35.5  | 38.7       | 29.7  | 27.3 | 23.3  | 27.3       | 23.3  |
| 1230  | 19.2      | 42.4   | 31.7  | 27.8  | 23.8  | 27.8       | 23.8  | 27.8 | 23.8  | 41.7       | 31.5  | 51.2  | 36.8  | 46.5       | 34.2  | 30.4 | 25.3  | 27.8       | 23.8  |
| 1330  | 19.5      | 41.8   | 31.5  | 27.6  | 23.8  | 27.6       | 23.8  | 27.6 | 23.8  | 34.0       | 27.4  | 49.8  | 36.2  | 52.2       | 37.5  | 39.6 | 30.5  | 27.6       | 23.8  |
| 1430  | 20.2      | 41.3   | 31.5  | 27.1  | 23.9  | 27.1       | 23.9  | 27.1 | 23.9  | 27.1       | 23.9  | 48.2  | 35.6  | 58.7       | 41.5  | 50.2 | 36.7  | 27.5       | 24.1  |
| 1530  | 20.5      | 39.0   | 30.4  | 25.9  | 23.4  | 25.9       | 23.4  | 25.9 | 23.4  | 25.9       | 23.4  | 42.9  | 32.8  | 62.9       | 43.9  | 60.7 | 42.7  | 37.5       | 29.8  |
| 1630  | 20.0      | 31.3   | 24.8  | 23.3  | 21.3  | 23.3       | 21.3  | 23.3 | 21.3  | 23.3       | 21.3  | 32.2  | 26.3  | 59.1       | 41.2  | 64.6 | 44.3  | 45.4       | 33.6  |
| 1730  | 18.7      | 25.2   | 21.0  | 20.5  | 19.3  | 20.5       | 19.3  | 20.5 | 19.3  | 20.5       | 19.3  | 20.4  | 19.2  | 52.5       | 37.0  | 65.6 | 44.3  | 52.0       | 36.7  |
| 1830  | 17.4      | 18.7   | 17.8  | 18.8  | 18.0  | 18.8       | 18.1  | 18.9 | 18.1  | 18.9       | 18.1  | 18.8  | 18.0  | 18.8       | 18.1  | 18.9 | 18.1  | 18.9       | 18.1  |
| 1930  | 16.6      | 16.2   | 16.0  | 16.7  | 16.5  | 16.7       | 16.5  | 16.7 | 16.5  | 16.7       | 16.5  | 16.7  | 16.5  | 16.7       | 16.5  | 16.7 | 16.5  | 16.7       | 16.5  |
| 2030  | 16.3      | 15.8   | 15.8  | 16.1  | 16.1  | 16.1       | 16.1  | 16.1 | 16.1  | 16.1       | 16.1  | 16.1  | 16.1  | 16.1       | 16.1  | 16.1 | 16.1  | 16.1       | 16.1  |
| 2130  | 15.8      | 14.6   | 14.6  | 15.4  | 15.4  | 15.4       | 15.4  | 15.4 | 15.4  | 15.4       | 15.4  | 15.4  | 15.4  | 15.4       | 15.4  | 15.4 | 15.4  | 15.4       | 15.4  |
| 2230  | 15.3      | 12.7   | 12.7  | 14.4  | 14.4  | 14.4       | 14.4  | 14.4 | 14.4  | 14.4       | 14.4  | 14.4  | 14.4  | 14.4       | 14.4  | 14.4 | 14.4  | 14.4       | 14.4  |
| 2330  | 11.8      | 10.9   | 10.9  | 11.5  | 11.5  | 11.5       | 11.5  | 11.5 | 11.5  | 11.5       | 11.5  | 11.5  | 11.5  | 11.5       | 11.5  | 11.5 | 11.5  | 11.5       | 11.5  |
| Mean  | 15.9      | 23.6   | 19.6  | 18.7  | 17.2  | 20.4       | 18.2  | 23.4 | 19.8  | 25.2       | 20.9  | 25.8  | 21.2  | 26.8       | 21.8  | 25.3 | 20.9  | 21.4       | 18.7  |

\* Greenwich Mean Time

Table 2.14(f) Air and corresponding sol-air temperatures: Leeds (Church Fenton) (January 2002–December 2011) — *continued*

September 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 9.1       | 5.8  | 5.8   | 8.0   | 8.0   | 8.0        | 8.0   | 8.0  | 8.0   | 8.0        | 8.0   | 8.0   | 8.0   | 8.0        | 8.0   | 8.0  | 8.0   | 8.0        | 8.0   |
| 0130  | 8.5       | 5.2  | 5.2   | 7.4   | 7.4   | 7.4        | 7.4   | 7.4  | 7.4   | 7.4        | 7.4   | 7.4   | 7.4   | 7.4        | 7.4   | 7.4  | 7.4   | 7.4        | 7.4   |
| 0230  | 7.9       | 4.6  | 4.6   | 6.8   | 6.8   | 6.8        | 6.8   | 6.8  | 6.8   | 6.8        | 6.8   | 6.8   | 6.8   | 6.8        | 6.8   | 6.8  | 6.8   | 6.8        | 6.8   |
| 0330  | 7.4       | 4.1  | 4.1   | 6.3   | 6.3   | 6.3        | 6.3   | 6.3  | 6.3   | 6.3        | 6.3   | 6.3   | 6.3   | 6.3        | 6.3   | 6.3  | 6.3   | 6.3        | 6.3   |
| 0430  | 6.9       | 3.6  | 3.6   | 5.8   | 5.8   | 5.8        | 5.8   | 5.8  | 5.8   | 5.8        | 5.8   | 5.8   | 5.8   | 5.8        | 5.8   | 5.8  | 5.8   | 5.8        | 5.8   |
| 0530  | 5.9       | 3.0  | 2.8   | 4.8   | 4.8   | 4.8        | 4.8   | 4.8  | 4.8   | 4.8        | 4.8   | 4.8   | 4.8   | 4.8        | 4.8   | 4.8  | 4.8   | 4.8        | 4.8   |
| 0630  | 7.9       | 7.9  | 6.4   | 8.1   | 7.5   | 8.3        | 7.6   | 8.5  | 7.7   | 8.4        | 7.6   | 8.1   | 7.5   | 8.3        | 7.6   | 8.5  | 7.7   | 8.4        | 7.6   |
| 0730  | 10.8      | 15.1   | 11.7  | 12.5  | 11.2  | 27.4       | 19.5  | 44.5 | 29.0  | 42.6       | 28.0  | 23.1  | 17.1  | 12.5       | 11.2  | 12.5 | 11.2  | 12.5       | 11.2  |
| 0830  | 12.8      | 21.5   | 16.1  | 16.0  | 14.1  | 23.4       | 18.2  | 44.5 | 29.9  | 48.7       | 32.3  | 33.6  | 23.8  | 16.0       | 14.1  | 16.0 | 14.1  | 16.0       | 14.1  |
| 0930  | 14.9      | 27.3   | 20.3  | 19.3  | 16.9  | 19.3       | 16.9  | 41.6 | 29.2  | 52.0       | 35.0  | 43.0  | 30.0  | 19.7       | 17.1  | 19.3 | 16.9  | 19.3       | 16.9  |
| 1030  | 16.1      | 31.3   | 23.0  | 21.3  | 18.5  | 21.3       | 18.5  | 35.4 | 26.3  | 51.8       | 35.4  | 49.9  | 34.4  | 30.9       | 23.8  | 21.3 | 18.5  | 21.3       | 18.5  |
| 1130  | 17.3      | 33.8   | 25.0  | 23.0  | 19.9  | 23.0       | 19.9  | 27.0 | 22.2  | 48.0       | 33.8  | 53.8  | 37.1  | 41.1       | 30.0  | 23.0 | 19.9  | 23.0       | 19.9  |
| 1230  | 18.4      | 35.4   | 26.3  | 23.9  | 21.0  | 23.9       | 21.0  | 23.9 | 21.0  | 42.5       | 31.3  | 56.5  | 39.1  | 50.9       | 35.9  | 28.9 | 23.7  | 23.9       | 21.0  |
| 1330  | 18.8      | 35.0   | 26.3  | 23.7  | 21.0  | 23.7       | 21.0  | 23.7 | 21.0  | 33.8       | 26.6  | 56.2  | 39.1  | 59.0       | 40.6  | 40.5 | 30.4  | 23.7       | 21.0  |
| 1430  | 19.4      | 33.2   | 25.6  | 23.4  | 21.1  | 23.4       | 21.1  | 23.4 | 21.1  | 22.9       | 20.8  | 52.5  | 37.3  | 64.4       | 43.9  | 51.8 | 36.9  | 23.4       | 21.1  |
| 1530  | 19.3      | 29.6   | 23.5  | 22.0  | 20.3  | 22.0       | 20.3  | 22.0 | 20.3  | 22.0       | 20.3  | 45.4  | 33.3  | 66.8       | 45.2  | 61.5 | 42.3  | 32.6       | 26.2  |
| 1630  | 18.7      | 23.1   | 19.6  | 20.2  | 19.0  | 20.2       | 19.0  | 20.2 | 19.0  | 20.2       | 19.0  | 31.9  | 25.5  | 55.1       | 38.4  | 57.6 | 39.8  | 38.0       | 28.9  |
| 1730  | 17.4      | 17.7   | 16.1  | 17.3  | 16.8  | 17.5       | 16.9  | 17.6 | 17.0  | 17.4       | 16.9  | 17.3  | 16.8  | 17.5       | 16.9  | 17.6 | 17.0  | 17.4       | 16.9  |
| 1830  | 15.8      | 13.3   | 12.9  | 14.8  | 14.7  | 14.8       | 14.7  | 14.8 | 14.7  | 14.8       | 14.7  | 14.8  | 14.7  | 14.8       | 14.7  | 14.8 | 14.7  | 14.8       | 14.7  |
| 1930  | 13.9      | 10.6   | 10.6  | 12.8  | 12.8  | 12.8       | 12.8  | 12.8 | 12.8  | 12.8       | 12.8  | 12.8  | 12.8  | 12.8       | 12.8  | 12.8 | 12.8  | 12.8       | 12.8  |
| 2030  | 12.3      | 9.0  | 9.0   | 11.2  | 11.2  | 11.2       | 11.2  | 11.2 | 11.2  | 11.2       | 11.2  | 11.2  | 11.2  | 11.2       | 11.2  | 11.2 | 11.2  | 11.2       | 11.2  |
| 2130  | 10.1      | 6.8  | 6.8   | 9.0   | 9.0   | 9.0        | 9.0   | 9.0  | 9.0   | 9.0        | 9.0   | 9.0   | 9.0   | 9.0        | 9.0   | 9.0  | 9.0   | 9.0        | 9.0   |
| 2230  | 10.9      | 7.6  | 7.6   | 9.8   | 9.8   | 9.8        | 9.8   | 9.8  | 9.8   | 9.8        | 9.8   | 9.8   | 9.8   | 9.8        | 9.8   | 9.8  | 9.8   | 9.8        | 9.8   |
| 2330  | 9.5       | 6.2  | 6.2   | 8.4   | 8.4   | 8.4        | 8.4   | 8.4  | 8.4   | 8.4        | 8.4   | 8.4   | 8.4   | 8.4        | 8.4   | 8.4  | 8.4   | 8.4        | 8.4   |
| Mean  | 12.9      | 16.3   | 13.3  | 14.0  | 13.0  | 14.9       | 13.5  | 18.2 | 15.4  | 21.5       | 17.2  | 24.0  | 18.6  | 22.8       | 17.9  | 19.3 | 16.0  | 15.2       | 13.7  |

\* Greenwich Mean Time

October 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 9.8       | 6.5  | 6.5   | 8.7   | 8.7   | 8.7        | 8.7   | 8.7  | 8.7   | 8.7        | 8.7   | 8.7   | 8.7   | 8.7        | 8.7   | 8.7  | 8.7   | 8.7        | 8.7   |
| 0130  | 9.7       | 6.4  | 6.4   | 8.6   | 8.6   | 8.6        | 8.6   | 8.6  | 8.6   | 8.6        | 8.6   | 8.6   | 8.6   | 8.6        | 8.6   | 8.6  | 8.6   | 8.6        | 8.6   |
| 0230  | 9.5       | 6.2  | 6.2   | 8.4   | 8.4   | 8.4        | 8.4   | 8.4  | 8.4   | 8.4        | 8.4   | 8.4   | 8.4   | 8.4        | 8.4   | 8.4  | 8.4   | 8.4        | 8.4   |
| 0330  | 9.9       | 9.0  | 9.0   | 9.6   | 9.6   | 9.6        | 9.6   | 9.6  | 9.6   | 9.6        | 9.6   | 9.6   | 9.6   | 9.6        | 9.6   | 9.6  | 9.6   | 9.6        | 9.6   |
| 0430  | 9.4       | 7.5  | 7.5   | 8.7   | 8.7   | 8.7        | 8.7   | 8.7  | 8.7   | 8.7        | 8.7   | 8.7   | 8.7   | 8.7        | 8.7   | 8.7  | 8.7   | 8.7        | 8.7   |
| 0530  | 9.3       | 7.6  | 7.6   | 8.7   | 8.7   | 8.7        | 8.7   | 8.7  | 8.7   | 8.7        | 8.7   | 8.7   | 8.7   | 8.7        | 8.7   | 8.7  | 8.7   | 8.7        | 8.7   |
| 0630  | 9.2       | 8.0  | 7.8   | 9.0   | 8.8   | 9.0        | 8.8   | 9.0  | 8.8   | 9.0        | 8.8   | 9.0   | 8.8   | 9.0        | 8.8   | 9.0  | 8.8   | 9.0        | 8.8   |
| 0730  | 10.1      | 11.4   | 10.1  | 11.2  | 10.4  | 11.1       | 10.4  | 11.4 | 10.6  | 11.4       | 10.6  | 11.2  | 10.4  | 11.1       | 10.4  | 11.4 | 10.6  | 11.4       | 10.6  |
| 0830  | 10.5      | 13.6   | 11.7  | 12.6  | 11.5  | 13.8       | 12.1  | 18.3 | 14.6  | 19.7       | 15.4  | 17.4  | 14.1  | 12.6       | 11.5  | 12.6 | 11.5  | 12.6       | 11.5  |
| 0930  | 11.8      | 17.1   | 13.6  | 14.9  | 13.1  | 14.9       | 13.1  | 24.5 | 18.4  | 30.5       | 21.8  | 27.7  | 20.2  | 17.7       | 14.7  | 14.9 | 13.1  | 14.9       | 13.1  |
| 1030  | 13.1      | 24.7   | 18.5  | 16.7  | 14.8  | 16.7       | 14.8  | 30.9 | 22.7  | 53.6       | 35.3  | 54.3  | 35.6  | 32.6       | 23.6  | 16.7 | 14.8  | 16.7       | 14.8  |
| 1130  | 13.1      | 25.9   | 19.2  | 17.1  | 15.0  | 17.1       | 15.0  | 20.1 | 16.6  | 47.7       | 31.9  | 56.9  | 37.1  | 42.4       | 29.0  | 17.1 | 15.0  | 17.1       | 15.0  |
| 1230  | 13.3      | 26.8   | 20.1  | 17.4  | 15.3  | 17.4       | 15.3  | 17.4 | 15.3  | 40.1       | 27.9  | 57.7  | 37.7  | 51.4       | 34.2  | 24.6 | 19.3  | 17.4       | 15.3  |
| 1330  | 13.0      | 24.3   | 18.6  | 16.7  | 14.8  | 16.7       | 14.8  | 16.7 | 14.8  | 28.5       | 21.4  | 51.3  | 34.0  | 53.5       | 35.3  | 33.8 | 24.3  | 16.7       | 14.8  |
| 1430  | 13.7      | 21.2   | 17.1  | 16.7  | 15.1  | 16.7       | 15.1  | 16.7 | 15.1  | 18.5       | 16.1  | 40.2  | 28.2  | 48.0       | 32.5  | 37.4 | 26.6  | 16.7       | 15.1  |
| 1530  | 12.5      | 18.1   | 14.9  | 13.8  | 12.9  | 13.8       | 12.9  | 13.8 | 12.9  | 13.8       | 12.9  | 45.2  | 30.4  | 68.0       | 43.1  | 58.8 | 37.9  | 23.0       | 18.1  |
| 1630  | 12.0      | 13.6   | 11.7  | 14.9  | 13.2  | 14.9       | 13.2  | 14.9 | 13.2  | 14.9       | 13.2  | 14.9  | 13.2  | 14.9       | 13.2  | 14.9 | 13.2  | 14.9       | 13.2  |
| 1730  | 11.0      | 10.3   | 10.1  | 10.6  | 10.6  | 10.6       | 10.6  | 10.6 | 10.6  | 10.6       | 10.6  | 10.6  | 10.6  | 10.6       | 10.6  | 10.6 | 10.6  | 10.6       | 10.6  |
| 1830  | 10.5      | 9.3  | 9.3   | 10.1  | 10.1  | 10.1       | 10.1  | 10.1 | 10.1  | 10.1       | 10.1  | 10.1  | 10.1  | 10.1       | 10.1  | 10.1 | 10.1  | 10.1       | 10.1  |
| 1930  | 10.3      | 8.0  | 8.0   | 9.5   | 9.5   | 9.5        | 9.5   | 9.5  | 9.5   | 9.5        | 9.5   | 9.5   | 9.5   | 9.5        | 9.5   | 9.5  | 9.5   | 9.5        | 9.5   |
| 2030  | 9.8       | 7.9  | 7.9   | 9.1   | 9.1   | 9.1        | 9.1   | 9.1  | 9.1   | 9.1        | 9.1   | 9.1   | 9.1   | 9.1        | 9.1   | 9.1  | 9.1   | 9.1        | 9.1   |
| 2130  | 9.7       | 7.1  | 7.1   | 8.8   | 8.8   | 8.8        | 8.8   | 8.8  | 8.8   | 8.8        | 8.8   | 8.8   | 8.8   | 8.8        | 8.8   | 8.8  | 8.8   | 8.8        | 8.8   |
| 2230  | 9.3       | 7.4  | 7.4   | 8.6   | 8.6   | 8.6        | 8.6   | 8.6  | 8.6   | 8.6        | 8.6   | 8.6   | 8.6   | 8.6        | 8.6   | 8.6  | 8.6   | 8.6        | 8.6   |
| 2330  | 9.5       | 6.2  | 6.2   | 8.4   | 8.4   | 8.4        | 8.4   | 8.4  | 8.4   | 8.4        | 8.4   | 8.4   | 8.4   | 8.4        | 8.4   | 8.4  | 8.4   | 8.4        | 8.4   |
| Mean  | 10.8      | 12.7   | 10.9  | 11.6  | 10.9  | 11.7       | 11.0  | 13.0 | 11.7  | 16.9       | 13.9  | 21.0  | 16.1  | 20.0       | 15.6  | 15.4 | 13.0  | 12.0       | 11.2  |

\* Greenwich Mean Time

Table 2.14(f) Air and corresponding sol-air temperatures: Leeds (Church Fenton) (January 2002–December 2011) — *continued*

November 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 7.2       | 3.9  | 3.9   | 6.1   | 6.1   | 6.1        | 6.1   | 6.1  | 6.1   | 6.1        | 6.1   | 6.1   | 6.1   | 6.1        | 6.1   | 6.1  | 6.1   | 6.1        | 6.1   |
| 0130  | 6.5       | 3.2  | 3.2   | 5.4   | 5.4   | 5.4        | 5.4   | 5.4  | 5.4   | 5.4        | 5.4   | 5.4   | 5.4   | 5.4        | 5.4   | 5.4  | 5.4   | 5.4        | 5.4   |
| 0230  | 5.9       | 2.6  | 2.6   | 4.8   | 4.8   | 4.8        | 4.8   | 4.8  | 4.8   | 4.8        | 4.8   | 4.8   | 4.8   | 4.8        | 4.8   | 4.8  | 4.8   | 4.8        | 4.8   |
| 0330  | 6.1       | 2.8  | 2.8   | 5.0   | 5.0   | 5.0        | 5.0   | 5.0  | 5.0   | 5.0        | 5.0   | 5.0   | 5.0   | 5.0        | 5.0   | 5.0  | 5.0   | 5.0        | 5.0   |
| 0430  | 5.6       | 2.3  | 2.3   | 4.5   | 4.5   | 4.5        | 4.5   | 4.5  | 4.5   | 4.5        | 4.5   | 4.5   | 4.5   | 4.5        | 4.5   | 4.5  | 4.5   | 4.5        | 4.5   |
| 0530  | 5.4       | 2.1  | 2.1   | 4.3   | 4.3   | 4.3        | 4.3   | 4.3  | 4.3   | 4.3        | 4.3   | 4.3   | 4.3   | 4.3        | 4.3   | 4.3  | 4.3   | 4.3        | 4.3   |
| 0630  | 5.2       | 1.9  | 1.9   | 4.1   | 4.1   | 4.1        | 4.1   | 4.1  | 4.1   | 4.1        | 4.1   | 4.1   | 4.1   | 4.1        | 4.1   | 4.1  | 4.1   | 4.1        | 4.1   |
| 0730  | 5.2       | 2.5  | 2.4   | 4.4   | 4.3   | 4.4        | 4.3   | 4.4  | 4.3   | 4.4        | 4.3   | 4.4   | 4.3   | 4.4        | 4.3   | 4.4  | 4.3   | 4.4        | 4.3   |
| 0830  | 6.3       | 5.8  | 4.7   | 6.8   | 6.1   | 6.7        | 6.0   | 6.8  | 6.1   | 7.0        | 6.2   | 6.8   | 6.1   | 6.7        | 6.0   | 6.8  | 6.1   | 7.0        | 6.2   |
| 0930  | 8.3       | 10.8   | 8.4   | 9.5   | 8.5   | 9.5        | 8.5   | 26.3 | 17.9  | 39.5       | 25.2  | 35.0  | 22.7  | 15.6       | 11.9  | 9.5  | 8.5   | 9.5        | 8.5   |
| 1030  | 9.2       | 14.2   | 10.7  | 11.3  | 9.9   | 11.3       | 9.9   | 22.4 | 16.1  | 41.5       | 26.7  | 42.9  | 27.4  | 25.6       | 17.9  | 11.3 | 9.9   | 11.3       | 9.9   |
| 1130  | 9.9       | 16.2   | 12.1  | 12.4  | 10.8  | 12.4       | 10.8  | 15.2 | 12.4  | 39.1       | 25.7  | 47.2  | 30.2  | 34.7       | 23.3  | 12.4 | 10.8  | 12.4       | 10.8  |
| 1230  | 10.5      | 16.7   | 12.6  | 12.9  | 11.4  | 12.9       | 11.4  | 12.9 | 11.4  | 33.4       | 22.8  | 48.0  | 30.9  | 41.9       | 27.5  | 18.6 | 14.6  | 12.9       | 11.4  |
| 1330  | 10.6      | 15.4   | 11.9  | 12.5  | 11.2  | 12.5       | 11.2  | 12.5 | 11.2  | 25.7       | 18.5  | 46.4  | 30.0  | 47.1       | 30.4  | 27.4 | 19.5  | 12.5       | 11.2  |
| 1430  | 9.7       | 11.8   | 9.7   | 10.7  | 9.9   | 10.7       | 9.9   | 10.7 | 9.9   | 14.8       | 12.1  | 35.7  | 23.8  | 42.0       | 27.2  | 29.9 | 20.5  | 10.7       | 9.9   |
| 1530  | 8.8       | 8.9  | 7.8   | 10.1  | 9.2   | 10.1       | 9.2   | 10.1 | 9.2   | 10.1       | 9.2   | 10.1  | 9.2   | 10.1       | 9.2   | 10.1 | 9.2   | 10.1       | 9.2   |
| 1630  | 6.4       | 3.2  | 3.2   | 5.3   | 5.3   | 5.3        | 5.3   | 5.3  | 5.3   | 5.3        | 5.3   | 5.3   | 5.3   | 5.3        | 5.3   | 5.3  | 5.3   | 5.3        | 5.3   |
| 1730  | 5.1       | 1.8  | 1.8   | 4.0   | 4.0   | 4.0        | 4.0   | 4.0  | 4.0   | 4.0        | 4.0   | 4.0   | 4.0   | 4.0        | 4.0   | 4.0  | 4.0   | 4.0        | 4.0   |
| 1830  | 3.0       | -0.3   | -0.3  | 1.9   | 1.9   | 1.9        | 1.9   | 1.9  | 1.9   | 1.9        | 1.9   | 1.9   | 1.9   | 1.9        | 1.9   | 1.9  | 1.9   | 1.9        | 1.9   |
| 1930  | 1.6       | -1.7   | -1.7  | 0.5   | 0.5   | 0.5        | 0.5   | 0.5  | 0.5   | 0.5        | 0.5   | 0.5   | 0.5   | 0.5        | 0.5   | 0.5  | 0.5   | 0.5        | 0.5   |
| 2030  | 0.6       | -2.7   | -2.7  | -0.5  | -0.5  | -0.5       | -0.5  | -0.5 | -0.5  | -0.5       | -0.5  | -0.5  | -0.5  | -0.5       | -0.5  | -0.5 | -0.5  | -0.5       | -0.5  |
| 2130  | 0.4       | -2.9   | -2.9  | -0.7  | -0.7  | -0.7       | -0.7  | -0.7 | -0.7  | -0.7       | -0.7  | -0.7  | -0.7  | -0.7       | -0.7  | -0.7 | -0.7  | -0.7       | -0.7  |
| 2230  | 0.3       | -3.0   | -3.0  | -0.8  | -0.8  | -0.8       | -0.8  | -0.8 | -0.8  | -0.8       | -0.8  | -0.8  | -0.8  | -0.8       | -0.8  | -0.8 | -0.8  | -0.8       | -0.8  |
| 2330  | 7.5       | 4.2  | 4.2   | 6.4   | 6.4   | 6.4        | 6.4   | 6.4  | 6.4   | 6.4        | 6.4   | 6.4   | 6.4   | 6.4        | 6.4   | 6.4  | 6.4   | 6.4        | 6.4   |
| Mean  | 6.1       | 5.0  | 4.0   | 5.9   | 5.5   | 5.9        | 5.5   | 7.1  | 6.2   | 11.1       | 8.4   | 13.6  | 9.8   | 11.6       | 8.6   | 7.5  | 6.4   | 5.9        | 5.5   |

\* Greenwich Mean Time

December 21

| Time* | Air temp. | Sol-air temperature (°C) for stated orientation and surface colour |       |       |       |            |       |      |       |            |       |       |       |            |       |      |       |            |       |
|-------|-----------|--|-------|-------|-------|------------|-------|------|-------|------------|-------|-------|-------|------------|-------|------|-------|------------|-------|
|       |           | Horizontal   |       | North |       | North-east |       | East |       | South-east |       | South |       | South-west |       | West |       | North-west |       |
|       |           | Dark   | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light | Dark  | Light | Dark       | Light | Dark | Light | Dark       | Light |
| 0030  | 0.9       | -2.4   | -2.4  | -0.2  | -0.2  | -0.2       | -0.2  | -0.2 | -0.2  | -0.2       | -0.2  | -0.2  | -0.2  | -0.2       | -0.2  | -0.2 | -0.2  | -0.2       | -0.2  |
| 0130  | -0.5      | -3.8   | -3.8  | -1.6  | -1.6  | -1.6       | -1.6  | -1.6 | -1.6  | -1.6       | -1.6  | -1.6  | -1.6  | -1.6       | -1.6  | -1.6 | -1.6  | -1.6       | -1.6  |
| 0230  | -2.0      | -5.3   | -5.3  | -3.1  | -3.1  | -3.1       | -3.1  | -3.1 | -3.1  | -3.1       | -3.1  | -3.1  | -3.1  | -3.1       | -3.1  | -3.1 | -3.1  | -3.1       | -3.1  |
| 0330  | -1.1      | -4.4   | -4.4  | -2.2  | -2.2  | -2.2       | -2.2  | -2.2 | -2.2  | -2.2       | -2.2  | -2.2  | -2.2  | -2.2       | -2.2  | -2.2 | -2.2  | -2.2       | -2.2  |
| 0430  | -0.9      | -4.2   | -4.2  | -2.0  | -2.0  | -2.0       | -2.0  | -2.0 | -2.0  | -2.0       | -2.0  | -2.0  | -2.0  | -2.0       | -2.0  | -2.0 | -2.0  | -2.0       | -2.0  |
| 0530  | -1.2      | -4.5   | -4.5  | -2.3  | -2.3  | -2.3       | -2.3  | -2.3 | -2.3  | -2.3       | -2.3  | -2.3  | -2.3  | -2.3       | -2.3  | -2.3 | -2.3  | -2.3       | -2.3  |
| 0630  | -2.2      | -5.5   | -5.5  | -3.3  | -3.3  | -3.3       | -3.3  | -3.3 | -3.3  | -3.3       | -3.3  | -3.3  | -3.3  | -3.3       | -3.3  | -3.3 | -3.3  | -3.3       | -3.3  |
| 0730  | -1.7      | -5.0   | -5.0  | -2.8  | -2.8  | -2.8       | -2.8  | -2.8 | -2.8  | -2.8       | -2.8  | -2.8  | -2.8  | -2.8       | -2.8  | -2.8 | -2.8  | -2.8       | -2.8  |
| 0830  | -0.8      | -3.1   | -3.6  | -1.0  | -1.4  | -1.0       | -1.4  | -1.0 | -1.4  | -1.0       | -1.4  | -1.0  | -1.4  | -1.0       | -1.4  | -1.0 | -1.4  | -1.0       | -1.4  |
| 0930  | 0.2       | 2.2  | -0.2  | 3.9   | 1.7   | 3.9        | 1.7   | 3.9  | 1.7   | 3.9        | 1.7   | 3.9   | 1.7   | 3.9        | 1.7   | 3.9  | 1.7   | 3.9        | 1.7   |
| 1030  | 2.9       | 5.8  | 3.0   | 4.0   | 3.0   | 4.0        | 3.0   | 18.4 | 11.0  | 40.2       | 23.1  | 40.7  | 23.4  | 19.6       | 11.7  | 4.0  | 3.0   | 4.0        | 3.0   |
| 1130  | 4.1       | 7.5  | 4.5   | 5.7   | 4.5   | 5.7        | 4.5   | 9.9  | 6.8   | 30.7       | 18.4  | 36.9  | 21.8  | 24.7       | 15.0  | 5.7  | 4.5   | 5.7        | 4.5   |
| 1230  | 4.9       | 8.1  | 5.2   | 6.5   | 5.3   | 6.5        | 5.3   | 6.5  | 5.3   | 24.0       | 15.0  | 34.4  | 20.8  | 28.4       | 17.5  | 9.6  | 7.0   | 6.5        | 5.3   |
| 1330  | 5.0       | 6.5  | 4.3   | 6.2   | 5.1   | 6.2        | 5.1   | 6.2  | 5.1   | 14.8       | 10.0  | 25.3  | 15.8  | 24.7       | 15.4  | 13.3 | 9.1   | 6.2        | 5.1   |
| 1430  | 5.3       | 4.2  | 3.2   | 6.0   | 5.2   | 6.0        | 5.2   | 5.9  | 5.1   | 5.9        | 5.1   | 6.0   | 5.2   | 6.0        | 5.2   | 5.9  | 5.1   | 5.9        | 5.1   |
| 1530  | 3.1       | 0.5  | 0.2   | 2.5   | 2.2   | 2.5        | 2.3   | 2.5  | 2.2   | 2.4        | 2.2   | 2.5   | 2.2   | 2.5        | 2.3   | 2.5  | 2.2   | 2.4        | 2.2   |
| 1630  | 3.6       | 0.3  | 0.3   | 2.5   | 2.5   | 2.5        | 2.5   | 2.5  | 2.5   | 2.5        | 2.5   | 2.5   | 2.5   | 2.5        | 2.5   | 2.5  | 2.5   | 2.5        | 2.5   |
| 1730  | 2.3       | -1.0   | -1.0  | 1.2   | 1.2   | 1.2        | 1.2   | 1.2  | 1.2   | 1.2        | 1.2   | 1.2   | 1.2   | 1.2        | 1.2   | 1.2  | 1.2   | 1.2        | 1.2   |
| 1830  | 2.6       | -0.7   | -0.7  | 1.5   | 1.5   | 1.5        | 1.5   | 1.5  | 1.5   | 1.5        | 1.5   | 1.5   | 1.5   | 1.5        | 1.5   | 1.5  | 1.5   | 1.5        | 1.5   |
| 1930  | 2.6       | 1.4  | 1.4   | 2.2   | 2.2   | 2.2        | 2.2   | 2.2  | 2.2   | 2.2        | 2.2   | 2.2   | 2.2   | 2.2        | 2.2   | 2.2  | 2.2   | 2.2        | 2.2   |
| 2030  | 3.9       | 3.0  | 3.0   | 3.6   | 3.6   | 3.6        | 3.6   | 3.6  | 3.6   | 3.6        | 3.6   | 3.6   | 3.6   | 3.6        | 3.6   | 3.6  | 3.6   | 3.6        | 3.6   |
| 2130  | 3.9       | 3.4  | 3.4   | 3.7   | 3.7   | 3.7        | 3.7   | 3.7  | 3.7   | 3.7        | 3.7   | 3.7   | 3.7   | 3.7        | 3.7   | 3.7  | 3.7   | 3.7        | 3.7   |
| 2230  | 4.7       | 3.8  | 3.8   | 4.4   | 4.4   | 4.4        | 4.4   | 4.4  | 4.4   | 4.4        | 4.4   | 4.4   | 4.4   | 4.4        | 4.4   | 4.4  | 4.4   | 4.4        | 4.4   |
| 2330  | -0.1      | -3.4   | -3.4  | -1.2  | -1.2  | -1.2       | -1.2  | -1.2 | -1.2  | -1.2       | -1.2  | -1.2  | -1.2  | -1.2       | -1.2  | -1.2 | -1.2  | -1.2       | -1.2  |
| Mean  | 1.6       | 0.1  | -0.5  | 1.4   | 1.1   | 1.4        | 1.1   | 2.2  | 1.5   | 5.0        | 3.1   | 6.2   | 3.7   | 4.5        | 2.8   | 1.8  | 1.3   | 1.4        | 1.1   |

\* Greenwich Mean Time