

Table 2.14(b) Air and corresponding sol-air temperatures: Birmingham (Edgbaston) (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	-1.3	-2.9	-2.9	-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	-1.9
0130	-1.3	-2.5	-2.5	-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
0230	-1.5	-2.4	-2.4	-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
0330	-0.8	-1.7	-1.7	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
0430	-0.7	-1.6	-1.6	-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
0530	-0.9	-1.8	-1.8	-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
0630	-1.2	-2.1	-2.1	-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
0730	-1.6	-2.8	-2.8	-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
0830	-1.4	-1.6	-1.9	-1.2	-1.4	-1.2	-1.4	-1.2	-1.4	-1.2	-1.4	-1.2	-1.4	-1.2	-1.4	-1.2	-1.4	-1.2	-1.4
0930	-0.5	2.8	1.0	1.1	0.2	1.1	0.2	15.7	8.4	23.9	12.9	18.7	10.0	3.2	1.4	1.1	0.2	1.1	0.2
1030	0.6	8.1	4.4	3.0	1.8	3.0	1.8	21.2	11.9	42.3	23.6	40.1	22.4	16.0	9.0	3.0	1.8	3.0	1.8
1130	2.3	12.9	7.6	5.5	3.9	5.5	3.9	15.3	9.3	47.3	27.1	54.4	31.0	32.4	18.8	5.5	3.9	5.5	3.9
1230	2.0	11.1	6.5	5.1	3.5	5.1	3.5	5.1	3.5	30.8	17.8	43.4	24.8	33.4	19.2	6.5	4.3	5.1	3.5
1330	2.3	9.5	5.9	5.3	3.8	5.3	3.8	5.3	3.8	18.1	10.9	31.6	18.4	29.7	17.4	13.5	8.4	5.3	3.8
1430	2.8	8.0	5.3	5.1	3.9	5.1	3.9	5.1	3.9	11.2	7.3	27.4	16.3	30.5	18.0	18.7	11.5	5.1	3.9
1530	2.0	3.1	2.2	3.3	2.6	3.3	2.6	3.3	2.6	3.3	2.6	3.3	2.6	3.3	2.6	3.3	2.6	3.3	2.6
1630	1.0	-0.6	-0.6	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
1730	0.9	0.0	0.0	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	0.6
1830	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
1930	-0.7	-1.9	-1.9	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
2030	-1.0	-2.2	-2.2	-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
2130	-1.7	-2.6	-2.6	-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	-3.4	-5.0	-5.0	-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	-4.0
2330	-1.0	-2.6	-2.6	-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
Mean	-0.2	0.9	-0.1	0.2	-0.1	0.2	-0.1	2.0	0.8	6.4	3.3	8.2	4.3	5.2	2.6	1.2	0.4	0.2	-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	-1.8	-5.1	-5.1	-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
0130	-2.3	-4.9	-4.9	-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	-3.2
0230	-2.7	-5.7	-5.7	-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	-3.7
0330	-2.9	-6.2	-6.2	-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
0430	-3.2	-5.5	-5.5	-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
0530	-3.2	-5.8	-5.8	-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
0630	-3.7	-5.4	-5.4	-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
0730	-2.9	-3.0	-3.3	-2.6	-2.9	-2.6	-2.9	-2.6	-2.9	-2.6	-2.9	-2.6	-2.9	-2.6	-2.9	-2.6	-2.9	-2.6	-2.9
0830	-1.8	1.7	-0.2	0.0	-1.0	4.1	1.3	15.2	7.5	17.5	8.8	9.7	4.4	0.0	-1.0	0.0	-1.0	0.0	-1.0
0930	0.2	4.9	2.4	3.2	1.7	3.2	1.7	7.8	4.3	9.5	5.2	7.9	4.3	4.1	2.2	3.2	1.7	3.2	1.7
1030	2.6	11.7	7.3	7.0	4.9	7.0	4.9	16.6	10.2	25.4	15.1	23.5	14.1	12.2	7.8	7.0	4.9	7.0	4.9
1130	3.2	17.5	10.9	8.0	5.8	8.0	5.8	16.3	10.4	38.7	22.8	42.8	25.1	26.1	15.9	8.0	5.8	8.0	5.8
1230	4.1	17.6	11.4	9.2	6.8	9.2	6.8	9.2	6.8	28.8	17.8	38.3	23.0	30.6	18.7	10.2	7.4	9.2	6.8
1330	4.1	23.1	14.3	11.7	8.2	11.7	8.2	11.7	8.2	31.5	19.2	55.8	32.7	53.3	31.3	25.7	15.9	11.7	8.2
1430	4.8	20.5	13.3	10.4	7.8	10.4	7.8	10.4	7.8	18.8	12.5	51.6	30.7	59.5	35.1	38.0	23.1	10.4	7.8
1530	5.5	15.0	10.3	8.4	6.9	8.4	6.9	8.4	6.9	8.4	6.9	41.8	25.5	59.0	35.0	46.1	27.9	10.8	8.2
1630	4.1	6.5	5.2	5.5	4.8	5.5	4.8	5.5	4.8	5.5	4.8	10.4	7.5	15.0	10.1	14.2	9.6	8.5	6.5
1730	2.3	-0.2	-0.2	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
1830	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
1930	0.0	-2.3	-2.3	-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
2030	-1.3	-4.6	-4.6	-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
2130	-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
2230	-1.6	-4.9	-4.9	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
2330	-0.6	-2.9	-2.9	-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
Mean	0.1	2.2	0.4	1.0	0.3	1.2	0.4	2.6	1.2	6.1	3.1	10.1	5.4	9.2	4.9	4.8	2.4	1.3	0.4

* Greenwich Mean Time

Table 2.14(b) Air and corresponding sol-air temperatures: Birmingham (Edgbaston) (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	-1.6	-2.5	-2.5	-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
0130	-0.8	-1.3	-1.3	-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
0230	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
0330	0.9	0.4	0.4	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
0430	0.9	0.4	0.4	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
0530	-0.5	-2.1	-2.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
0630	-1.8	-4.8	-4.8	-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	-2.8
0730	-0.7	-1.5	-2.6	0.0	-0.8	0.4	-0.6	0.7	-0.4	0.6	-0.5	0.2	-0.7	0.0	-0.8	0.0	-0.8	0.0	-0.8
0830	1.6	6.4	2.8	4.6	2.8	9.5	5.5	18.0	10.2	19.1	10.8	12.0	6.9	4.6	2.8	4.6	2.8	4.6	2.8
0930	4.8	13.8	8.3	9.3	6.8	10.7	7.6	24.4	15.2	29.5	18.0	22.9	14.4	9.3	6.8	9.3	6.8	9.3	6.8
1030	6.4	24.3	15.0	11.3	8.7	11.3	8.7	32.7	20.6	51.7	31.1	46.4	28.1	19.8	13.4	11.3	8.7	11.3	8.7
1130	7.4	27.7	17.2	12.7	9.8	12.7	9.8	21.9	14.9	48.3	29.6	53.1	32.3	33.4	21.4	12.7	9.8	12.7	9.8
1230	8.3	30.1	18.9	13.7	10.8	13.7	10.8	13.7	10.8	41.7	26.3	57.6	35.2	47.0	29.3	16.0	12.1	13.7	10.8
1330	8.5	29.1	18.5	13.6	10.8	13.6	10.8	13.6	10.8	29.6	19.7	55.4	34.0	55.8	34.3	30.8	20.4	13.6	10.8
1430	9.0	26.0	17.0	13.3	10.9	13.3	10.9	13.3	10.9	16.1	12.4	48.2	30.3	59.3	36.4	42.7	27.2	13.3	10.9
1530	8.9	20.8	14.0	12.2	10.2	12.2	10.2	12.2	10.2	12.2	10.2	37.2	24.1	56.1	34.6	48.8	30.6	19.5	14.3
1630	7.8	13.1	9.2	9.9	8.5	9.9	8.5	9.9	8.5	9.9	8.5	21.7	15.0	40.2	25.3	40.8	25.6	23.1	15.8
1730	6.0	4.3	3.6	6.1	5.5	6.1	5.5	6.1	5.5	6.1	5.5	6.2	5.6	6.8	5.9	7.0	6.0	6.6	5.8
1830	3.4	0.1	0.1	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
1930	2.5	-0.8	-0.8	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
2030	2.0	-1.3	-1.3	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
2130	1.0	-2.3	-2.3	-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
2230	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
2330	-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
Mean	3.1	7.2	4.2	4.3	3.3	4.5	3.5	6.8	4.7	10.9	7.0	14.9	9.2	13.7	8.6	9.2	6.0	5.2	3.8

* 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	3.3	0.7	0.7	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
0130	3.1	0.5	0.5	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
0230	2.6	0.0	0.0	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
0330	2.1	-0.9	-0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0430	2.1	0.6	0.6	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5	1.6	1.5
0530	2.4	1.6	1.1	2.7	2.3	2.7	2.3	2.7	2.3	2.7	2.3	2.7	2.3	2.7	2.3	2.7	2.3	2.7	2.3
0630	4.5	8.8	5.7	7.6	5.8	30.3	18.4	38.7	23.1	28.1	17.2	6.2	5.1	6.2	5.1	6.2	5.1	6.2	5.1
0730	6.7	18.0	11.8	9.8	8.0	35.5	22.3	53.7	32.4	45.8	28.0	16.4	11.7	9.8	8.0	9.8	8.0	9.8	8.0
0830	8.2	25.6	16.8	12.8	10.4	28.8	19.3	52.9	32.7	52.9	32.7	28.8	19.3	12.8	10.4	12.8	10.4	12.8	10.4
0930	9.8	23.0	16.4	16.8	13.4	19.3	14.8	27.1	19.2	29.4	20.5	24.9	18.0	16.8	13.4	16.8	13.4	16.8	13.4
1030	9.9	23.6	17.0	17.8	14.1	17.8	14.1	23.3	17.1	26.2	18.8	25.1	18.1	20.6	15.6	17.8	14.1	17.8	14.1
1130	11.9	43.6	28.8	20.0	16.1	20.0	16.1	27.4	20.3	52.7	34.3	57.5	37.0	39.1	26.7	20.0	16.1	20.0	16.1
1230	11.6	41.0	27.2	19.1	15.5	19.1	15.5	19.1	15.5	39.2	26.7	54.0	34.9	47.3	31.2	23.0	17.7	19.1	15.5
1330	12.4	38.9	26.4	19.4	16.1	19.4	16.1	19.4	16.1	27.2	20.4	49.6	32.8	53.4	34.9	36.4	25.5	19.4	16.1
1430	12.9	36.1	25.1	19.2	16.1	19.2	16.1	19.2	16.1	19.2	16.1	43.7	29.8	57.2	37.2	47.5	31.9	20.5	16.9
1530	12.7	29.4	21.0	17.8	15.2	17.8	15.2	17.8	15.2	17.8	15.2	33.1	23.7	52.4	34.4	50.9	33.6	29.5	21.7
1630	11.9	21.6	16.1	15.8	13.7	15.8	13.7	15.8	13.7	15.8	13.7	21.5	16.9	39.8	27.0	43.9	29.3	31.4	22.3
1730	11.1	15.6	12.3	13.3	11.9	13.2	11.8	13.2	11.8	13.2	11.8	13.2	11.8	32.5	22.5	40.6	27.1	32.7	22.6
1830	9.1	9.5	8.6	10.1	9.4	10.1	9.4	10.2	9.5	10.2	9.4	10.1	9.4	10.1	9.4	10.2	9.5	10.2	9.4
1930	7.6	6.1	6.0	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
2030	7.0	5.4	5.4	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	6.4
2130	5.7	3.1	3.1	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
2230	5.5	2.5	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	4.5
2330	4.3	2.0	2.0	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	3.5
Mean	7.4	14.8	10.6	9.9	8.5	12.7	10.0	15.7	11.7	17.3	12.6	17.6	12.7	18.2	13.1	15.6	11.6	11.8	9.5

* Greenwich Mean Time

Table 2.14(b) Air and corresponding sol-air temperatures: Birmingham (Edgbaston) (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	10.0	6.7	6.7	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
0130	8.4	5.1	5.1	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	7.3
0230	7.7	4.4	4.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0330	7.3	4.0	4.0	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	6.2
0430	7.8	5.7	5.2	7.5	7.1	7.6	7.2	7.6	7.2	7.5	7.1	7.5	7.1	7.6	7.2	7.6	7.2	7.5	7.1
0530	10.3	12.3	9.9	19.7	15.0	33.7	22.8	34.8	23.4	22.3	16.5	11.6	10.5	11.6	10.5	11.6	10.5	11.6	10.5
0630	13.5	21.0	16.2	20.6	16.9	42.6	29.2	49.1	32.8	36.2	25.6	16.4	14.6	16.4	14.6	16.4	14.6	16.4	14.6
0730	15.5	28.5	21.2	20.0	17.5	42.7	30.1	54.9	36.9	46.2	32.0	21.7	18.4	20.0	17.5	20.0	17.5	20.0	17.5
0830	17.5	35.8	26.2	23.2	20.2	38.6	28.7	55.8	38.3	53.2	36.8	32.4	25.3	23.2	20.2	23.2	20.2	23.2	20.2
0930	19.4	42.0	30.5	26.2	22.7	31.9	25.8	52.1	37.1	56.4	39.4	42.1	31.5	26.2	22.7	26.2	22.7	26.2	22.7
1030	20.5	46.4	33.4	28.0	24.2	28.0	24.2	44.6	33.4	55.4	39.4	49.2	35.9	29.6	25.1	28.0	24.2	28.0	24.2
1130	21.0	48.5	34.8	28.9	24.9	28.9	24.9	34.0	27.7	50.1	36.7	52.8	38.1	40.5	31.3	28.9	24.9	28.9	24.9
1230	21.1	48.8	35.0	29.0	25.0	29.0	25.0	29.0	25.0	41.9	32.2	53.1	38.4	49.1	36.2	32.4	26.9	29.0	25.0
1330	21.7	48.3	35.1	29.4	25.5	29.4	25.5	29.4	25.5	32.5	27.3	51.0	37.5	55.9	40.3	44.3	33.8	29.4	25.5
1430	21.6	43.7	32.4	28.8	25.1	28.8	25.1	28.8	25.1	28.8	25.1	44.2	33.7	56.3	40.4	51.5	37.7	32.7	27.3
1530	22.0	40.2	30.8	28.4	25.1	28.4	25.1	28.4	25.1	28.4	25.1	37.5	30.2	55.2	40.0	56.6	40.8	41.0	32.1
1630	21.3	35.0	27.4	26.0	23.4	26.0	23.4	26.0	23.4	26.0	23.4	28.7	24.9	52.5	38.2	60.3	42.5	47.6	35.4
1730	20.6	29.0	23.8	27.1	23.7	23.8	21.9	23.8	21.9	23.8	21.9	23.8	21.9	45.0	33.6	57.6	40.7	50.2	36.6
1830	18.8	21.6	18.8	28.1	23.5	20.3	19.2	20.3	19.2	20.3	19.2	20.3	19.2	32.2	25.8	44.9	32.8	43.2	31.9
1930	16.7	15.2	14.4	16.8	16.2	16.7	16.2	16.9	16.3	16.9	16.3	16.8	16.2	16.7	16.2	16.9	16.3	16.9	16.3
2030	14.5	11.2	11.2	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
2130	12.1	8.8	8.8	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
2230	11.2	7.9	7.9	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
2330	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
Mean	15.5	24.1	18.8	19.2	17.1	22.1	18.7	25.4	20.5	25.8	20.7	24.3	19.9	25.5	20.6	25.0	20.3	21.9	18.6

* 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	11.7	8.4	8.4	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
0130	9.9	6.6	6.6	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
0230	10.0	6.7	6.7	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
0330	9.0	5.7	5.7	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	9.3	7.7	6.9	9.5	8.9	9.6	9.0	9.6	9.0	9.5	8.9	9.5	8.9	9.6	9.0	9.6	9.0	9.5	8.9
0530	11.5	13.8	11.3	20.1	15.8	29.8	21.2	29.9	21.2	20.4	15.9	13.2	11.9	13.2	11.9	13.2	11.9	13.2	11.9
0630	14.1	22.4	17.2	23.2	18.7	44.2	30.3	49.2	33.1	35.3	25.4	17.3	15.4	17.3	15.4	17.3	15.4	17.3	15.4
0730	16.3	30.6	22.8	20.8	18.3	46.3	32.4	57.5	38.7	46.8	32.7	20.3	18.0	20.8	18.3	20.8	18.3	20.8	18.3
0830	18.4	38.7	28.2	24.0	21.0	42.9	31.5	60.2	41.1	55.4	38.5	31.5	25.2	24.0	21.0	24.0	21.0	24.0	21.0
0930	19.7	45.4	32.5	26.0	22.7	34.9	27.6	56.4	39.6	59.2	41.1	41.6	31.4	26.0	22.7	26.0	22.7	26.0	22.7
1030	20.5	47.8	34.2	28.0	24.2	28.0	24.2	45.6	34.0	54.8	39.1	47.3	34.9	27.4	23.8	28.0	24.2	28.0	24.2
1130	21.2	51.8	36.7	28.7	24.9	28.7	24.9	35.5	28.6	51.4	37.5	52.9	38.3	39.2	30.7	28.7	24.9	28.7	24.9
1230	22.0	52.3	37.3	29.7	25.8	29.7	25.8	29.7	25.8	42.9	33.1	53.6	39.1	49.2	36.6	32.2	27.2	29.7	25.8
1330	22.0	41.3	31.3	31.5	26.8	31.5	26.8	31.5	26.8	34.0	28.2	41.7	32.5	43.8	33.6	39.0	30.9	31.5	26.8
1430	21.1	43.4	32.0	28.9	24.9	28.9	24.9	28.9	24.9	28.9	24.9	41.7	32.0	52.3	37.9	48.6	35.8	32.7	27.0
1530	22.4	44.1	33.0	28.3	25.2	28.3	25.2	28.3	25.2	28.3	25.2	38.2	30.7	59.9	42.7	62.3	44.1	44.0	33.9
1630	22.1	37.9	29.5	27.3	24.6	27.3	24.6	27.3	24.6	27.3	24.6	29.1	25.5	53.0	38.8	61.3	43.4	49.2	36.7
1730	21.1	30.6	25.1	28.6	24.8	25.1	22.9	25.1	22.9	25.1	22.9	25.1	22.9	42.3	32.4	53.2	38.5	47.5	35.3
1830	20.1	23.5	20.5	28.2	24.1	22.3	20.8	22.3	20.8	22.3	20.8	22.3	20.8	30.4	25.3	39.2	30.2	38.3	29.7
1930	18.3	16.8	16.0	19.1	18.3	18.5	17.9	18.5	17.9	18.5	17.9	18.5	17.9	18.8	18.1	19.6	18.5	19.7	18.6
2030	16.1	12.8	12.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
2130	14.9	11.6	11.6	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
2230	13.8	10.5	10.5	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
2330	12.9	9.6	9.6	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Mean	16.6	25.8	20.2	20.5	18.3	23.6	20.0	26.9	21.8	27.1	21.9	24.7	20.6	25.7	21.1	25.5	21.1	22.9	19.6

* Greenwich Mean Time

Table 2.14(b) Air and corresponding sol-air temperatures: Birmingham (Edgbaston) (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	10.3	7.0	7.0	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	9.2
0130	8.9	5.6	5.6	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	7.8
0230	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
0330	8.7	5.4	5.4	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
0430	8.2	5.2	5.0	7.3	7.2	7.3	7.2	7.3	7.2	7.3	7.2	7.3	7.2	7.3	7.2	7.3	7.2	7.3	7.2
0530	10.2	10.3	8.8	14.2	11.9	18.3	14.2	18.4	14.3	14.5	12.1	11.1	10.2	11.1	10.2	11.1	10.2	11.1	10.2
0630	12.4	18.0	14.0	19.4	15.8	34.4	24.1	38.3	26.3	28.8	21.0	15.3	13.5	15.3	13.5	15.3	13.5	15.3	13.5
0730	14.2	25.7	19.1	18.6	16.1	40.0	28.1	50.2	33.7	41.5	28.9	19.1	16.4	18.6	16.1	18.6	16.1	18.6	16.1
0830	15.5	33.3	23.9	20.9	18.0	38.4	27.7	55.3	37.1	51.4	34.9	29.0	22.5	20.9	18.0	20.9	18.0	20.9	18.0
0930	16.8	39.8	28.1	23.1	19.8	31.1	24.3	52.5	36.1	55.8	37.9	39.0	28.7	23.1	19.8	23.1	19.8	23.1	19.8
1030	17.9	45.1	31.5	24.8	21.2	24.8	21.2	45.1	32.5	55.8	38.5	47.4	33.8	24.7	21.2	24.8	21.2	24.8	21.2
1130	18.9	44.2	31.6	27.5	23.2	27.5	23.2	33.5	26.6	46.3	33.7	47.3	34.2	35.9	27.9	27.5	23.2	27.5	23.2
1230	18.9	46.0	32.5	27.0	22.9	27.0	22.9	27.0	22.9	40.7	30.5	50.1	35.7	45.0	32.9	28.4	23.6	27.0	22.9
1330	20.5	48.1	34.3	27.8	24.1	27.8	24.1	27.8	24.1	32.8	26.9	51.4	37.2	55.1	39.2	41.8	31.8	27.8	24.1
1430	20.6	45.5	32.9	27.3	23.8	27.3	23.8	27.3	23.8	27.3	23.8	46.3	34.4	59.2	41.5	52.5	37.8	30.0	25.3
1530	21.6	41.7	31.3	27.5	24.4	27.5	24.4	27.5	24.4	27.5	24.4	39.2	30.9	58.8	41.8	59.4	42.1	40.6	31.7
1630	21.5	35.6	27.8	26.5	23.8	26.5	23.8	26.5	23.8	26.5	23.8	30.2	25.8	52.0	37.9	58.4	41.5	45.8	34.5
1730	20.2	27.0	22.5	25.7	22.8	24.0	21.8	24.0	21.8	24.0	21.8	24.0	21.8	36.3	28.6	42.6	32.2	38.3	29.7
1830	19.2	21.4	18.9	25.0	21.9	21.1	19.7	21.1	19.7	21.1	19.7	21.1	19.7	27.7	23.4	33.8	26.8	32.6	26.2
1930	17.0	14.5	14.1	16.6	16.3	16.6	16.3	16.6	16.3	16.6	16.3	16.6	16.3	16.6	16.3	16.6	16.3	16.6	16.3
2030	14.6	11.3	11.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
2130	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
2230	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
2330	11.1	7.8	7.8	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Mean	15.0	23.4	18.2	18.2	16.3	20.7	17.7	24.0	19.5	24.8	20.0	23.9	19.4	24.4	19.8	23.4	19.2	20.2	17.4

* 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	13.1	9.8	9.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
0130	12.7	9.4	9.4	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
0230	12.4	10.5	10.5	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
0330	11.4	8.4	8.4	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	10.4
0430	10.8	7.5	7.5	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	9.7
0530	12.2	10.9	10.0	12.1	11.6	12.3	11.7	12.3	11.8	12.1	11.7	12.1	11.6	12.3	11.7	12.3	11.8	12.1	11.7
0630	14.9	18.3	15.3	18.4	16.3	40.6	28.7	48.6	33.1	37.6	27.0	16.4	15.2	16.4	15.2	16.4	15.2	16.4	15.2
0730	17.7	25.9	20.8	21.1	19.1	39.3	29.2	51.5	36.0	45.6	32.7	25.2	21.4	21.1	19.1	21.1	19.1	21.1	19.1
0830	19.0	34.1	26.4	24.1	21.5	37.7	29.0	56.7	39.6	56.1	39.3	36.3	28.3	24.1	21.5	24.1	21.5	24.1	21.5
0930	20.7	36.7	28.9	28.1	24.5	31.2	26.3	43.9	33.3	47.4	35.3	39.7	31.0	28.1	24.5	28.1	24.5	28.1	24.5
1030	22.2	44.1	33.8	30.2	26.4	30.2	26.4	45.0	34.7	55.6	40.6	50.8	37.9	33.5	28.3	30.2	26.4	30.2	26.4
1130	22.4	50.0	36.7	29.2	25.8	29.2	25.8	37.2	30.3	59.4	42.6	62.9	44.5	45.7	35.0	29.2	25.8	29.2	25.8
1230	22.4	46.1	34.2	30.0	26.2	30.0	26.2	30.0	26.2	46.2	35.2	57.1	41.2	51.3	38.0	32.2	27.4	30.0	26.2
1330	23.2	46.3	34.9	30.5	26.8	30.5	26.8	30.5	26.8	37.7	30.9	56.2	41.1	58.8	42.5	44.0	34.3	30.5	26.8
1430	23.5	44.5	33.8	29.6	26.5	29.6	26.5	29.6	26.5	29.6	26.5	52.8	39.3	64.5	45.8	55.1	40.6	30.0	26.6
1530	23.1	39.5	30.7	28.1	25.4	28.1	25.4	28.1	25.4	28.1	25.4	44.2	34.3	63.4	45.0	61.3	43.8	39.2	31.5
1630	22.7	33.4	27.2	26.5	24.3	26.5	24.3	26.5	24.3	26.5	24.3	33.9	28.4	56.2	40.8	60.8	43.3	44.9	34.5
1730	20.7	23.1	20.6	22.9	21.4	22.9	21.4	22.9	21.4	22.9	21.4	23.7	21.8	29.4	25.1	31.8	26.4	29.3	25.0
1830	19.8	19.4	18.1	20.7	19.8	20.7	19.8	20.9	19.9	20.8	19.9	20.7	19.8	20.7	19.8	20.9	19.9	20.8	19.9
1930	17.7	15.0	14.7	17.1	16.9	17.1	16.9	17.1	16.9	17.1	16.9	17.1	16.9	17.1	16.9	17.1	16.9	17.1	16.9
2030	16.7	13.4	13.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
2130	14.6	13.7	13.7	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
2230	14.2	13.0	13.0	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
2330	14.3	11.0	11.0	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
Mean	17.6	24.3	20.1	20.0	18.5	22.4	19.9	25.5	21.6	27.3	22.6	27.5	22.7	27.3	22.6	24.9	21.2	21.5	19.3

* Greenwich Mean Time

Table 2.14(b) Air and corresponding sol-air temperatures: Birmingham (Edgbaston) (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	10.9	10.4	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
0130	10.2	9.3	9.3	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
0230	9.6	7.0	7.0	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
0330	8.1	6.5	6.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
0430	8.6	6.7	6.7	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	5.8	5.7	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	6.2
0630	8.4	10.8	9.5	9.5	8.9	9.6	9.0	9.9	9.1	9.7	9.0	9.5	8.9	9.6	9.0	9.9	9.1	9.7	9.0
0730	11.0	17.6	14.3	13.5	12.2	28.5	20.6	44.9	29.7	42.7	28.5	23.3	17.7	13.5	12.2	13.5	12.2	13.5	12.2
0830	14.0	23.1	17.6	17.1	15.2	25.6	19.9	48.0	32.4	52.0	34.6	35.3	25.4	17.1	15.2	17.1	15.2	17.1	15.2
0930	16.3	29.6	22.2	20.6	18.2	20.6	18.2	45.5	32.0	56.3	38.0	45.9	32.2	20.2	18.0	20.6	18.2	20.6	18.2
1030	17.4	33.5	24.9	22.6	19.8	22.6	19.8	38.1	28.4	55.1	37.8	52.5	36.4	31.9	25.0	22.6	19.8	22.6	19.8
1130	18.3	35.7	26.5	24.0	21.0	24.0	21.0	28.7	23.5	50.0	35.4	55.6	38.5	42.1	31.0	24.0	21.0	24.0	21.0
1230	19.6	37.6	28.1	25.2	22.2	25.2	22.2	25.2	22.2	44.6	33.0	58.6	40.8	52.5	37.4	29.8	24.8	25.2	22.2
1330	19.9	36.4	27.6	25.1	22.3	25.1	22.3	25.1	22.3	34.9	27.7	56.1	39.5	58.5	40.8	40.8	31.0	25.1	22.3
1430	20.5	34.1	26.6	24.8	22.4	24.8	22.4	24.8	22.4	24.6	22.3	50.9	36.9	61.5	42.8	50.1	36.5	24.8	22.4
1530	20.5	29.9	24.2	23.6	21.7	23.6	21.7	23.6	21.7	23.6	21.7	42.8	32.4	60.0	42.0	55.6	39.5	32.1	26.5
1630	19.3	23.6	20.2	21.0	19.7	21.0	19.7	21.0	19.7	21.0	19.7	31.5	25.6	51.7	36.8	53.7	37.9	36.4	28.3
1730	17.7	17.0	15.8	18.0	17.3	18.2	17.5	18.3	17.5	18.1	17.4	18.0	17.3	18.2	17.5	18.3	17.5	18.1	17.4
1830	15.1	11.9	11.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
1930	14.9	11.6	11.6	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
2030	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
2130	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
2230	11.2	7.9	7.9	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
2330	11.0	9.1	9.1	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
Mean	13.9	18.1	15.1	15.3	14.3	16.3	14.8	19.8	16.8	23.1	18.6	25.1	19.7	23.3	18.7	19.9	16.9	16.3	14.9

* 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	7.0	5.8	5.8	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
0130	6.7	5.5	5.5	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
0230	6.3	3.7	3.7	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
0330	4.9	1.6	1.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
0430	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
0530	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
0630	3.2	-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	2.1
0730	5.5	4.6	3.5	6.1	5.3	6.1	5.3	6.2	5.4	6.2	5.4	6.1	5.3	6.1	5.3	6.2	5.4	6.2	5.4
0830	7.4	11.0	7.9	9.1	7.8	12.2	9.6	31.5	20.3	37.6	23.7	27.0	17.8	9.1	7.8	9.1	7.8	9.1	7.8
0930	9.2	15.7	11.3	12.2	10.4	12.2	10.4	28.2	19.2	38.2	24.8	33.0	21.9	15.6	12.3	12.2	10.4	12.2	10.4
1030	9.2	20.8	14.2	12.7	10.6	12.7	10.6	28.0	19.2	51.1	31.9	51.1	32.0	28.3	19.3	12.7	10.6	12.7	10.6
1130	10.2	23.3	16.0	14.0	11.8	14.0	11.8	17.7	13.9	46.4	29.8	55.6	34.9	39.9	26.2	14.0	11.8	14.0	11.8
1230	10.7	23.1	16.1	14.5	12.3	14.5	12.3	14.5	12.3	36.6	24.6	53.3	33.8	46.8	30.2	21.0	15.9	14.5	12.3
1330	10.9	21.3	15.2	14.3	12.3	14.3	12.3	14.3	12.3	26.2	18.9	48.5	31.3	50.5	32.4	30.9	21.5	14.3	12.3
1430	10.8	17.5	13.0	13.4	11.7	13.4	11.7	13.4	11.7	15.4	12.9	38.6	25.8	46.9	30.4	35.4	23.9	13.4	11.7
1530	9.9	12.0	9.6	11.2	10.1	11.2	10.1	11.2	10.1	11.2	10.1	24.4	17.4	33.6	22.5	29.7	20.4	15.1	12.3
1630	8.3	5.7	5.4	7.9	7.6	7.9	7.6	7.9	7.6	7.9	7.6	7.9	7.6	7.9	7.6	7.9	7.6	7.9	7.6
1730	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
1830	4.9	1.6	1.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
1930	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
2030	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
2130	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
2230	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
2330	7.9	6.7	6.7	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Mean	6.7	7.7	5.9	7.1	6.5	7.3	6.6	9.5	7.8	13.9	10.2	16.7	11.8	14.2	10.4	9.8	8.0	7.3	6.6

* Greenwich Mean Time

Table 2.14(b) Air and corresponding sol-air temperatures: Birmingham (Edgbaston) (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	6.8	3.5	3.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
0130	6.5	3.9	3.9	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	5.6
0230	6.2	2.9	2.9	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	5.1
0330	5.8	2.5	2.5	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	4.7
0430	5.8	2.5	2.5	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	4.7
0530	5.4	2.4	2.4	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	4.4
0630	5.3	2.3	2.3	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	4.3
0730	5.7	3.0	2.9	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8	4.9	4.8
0830	6.6	5.8	4.8	7.2	6.5	7.1	6.4	7.2	6.5	7.3	6.5	7.2	6.5	7.1	6.4	7.2	6.5	7.3	6.5
0930	7.8	10.7	8.1	9.1	8.1	9.1	8.1	26.8	17.9	40.1	25.3	35.2	22.6	14.9	11.3	9.1	8.1	9.1	8.1
1030	8.8	14.8	11.1	11.1	9.7	11.1	9.7	22.4	16.0	40.9	26.3	41.8	26.8	24.7	17.3	11.1	9.7	11.1	9.7
1130	9.5	16.1	12.5	12.6	11.0	12.6	11.0	15.0	12.3	30.1	20.7	35.1	23.4	26.9	18.9	12.6	11.0	12.6	11.0
1230	9.7	16.5	12.8	12.7	11.1	12.7	11.1	12.7	11.1	27.6	19.4	37.8	25.0	33.2	22.5	16.7	13.3	12.7	11.1
1330	9.5	16.3	12.7	12.0	10.7	12.0	10.7	12.0	10.7	24.4	17.6	43.1	27.9	43.5	28.2	25.3	18.1	12.0	10.7
1430	8.6	13.6	10.7	10.1	9.2	10.1	9.2	10.1	9.2	16.4	12.7	48.2	30.3	57.4	35.5	38.7	25.1	10.1	9.2
1530	8.1	8.4	7.4	8.5	8.0	8.7	8.1	8.6	8.1	8.4	8.0	8.5	8.0	8.7	8.1	8.6	8.1	8.4	8.0
1630	7.5	5.3	5.2	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	6.7
1730	6.7	3.7	3.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
1830	6.1	3.1	3.1	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	5.1
1930	5.8	2.8	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
2030	5.1	2.8	2.8	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
2130	5.0	3.8	3.8	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	4.6
2230	5.3	4.4	4.4	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
2330	6.0	2.7	2.7	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
Mean	6.8	6.4	5.5	6.8	6.4	6.8	6.4	8.1	7.2	11.5	9.0	14.0	10.4	12.4	9.5	8.7	7.5	6.8	6.4

* 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
30	-2.1	-5.4	-5.4	-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	-3.2
130	-2.9	-6.2	-6.2	-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
230	-2.5	-5.8	-5.8	-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
330	-3.0	-6.3	-6.3	-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
430	-3.0	-6.3	-6.3	-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
530	-2.9	-6.2	-6.2	-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
630	-2.8	-6.1	-6.1	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9	-3.9
730	-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
830	-1.8	-4.6	-4.9	-2.5	-2.7	-2.5	-2.7	-2.5	-2.7	-2.5	-2.7	-2.5	-2.7	-2.5	-2.7	-2.5	-2.7	-2.5	-2.7
930	-1.0	0.1	-1.9	0.1	-0.9	-0.3	-1.1	-0.1	-1.0	0.3	-0.8	0.1	-0.9	-0.3	-1.1	-0.1	-1.0	0.3	-0.8
1030	1.8	4.9	2.0	2.9	1.9	2.9	1.9	17.1	9.8	37.6	21.2	37.6	21.2	17.2	9.9	2.9	1.9	2.9	1.9
1130	5.2	9.6	6.1	6.8	5.6	6.8	5.6	12.0	8.4	35.7	21.7	42.4	25.4	28.2	17.4	6.8	5.6	6.8	5.6
1230	6.2	10.6	7.2	7.9	6.6	7.9	6.6	7.9	6.6	30.2	19.0	43.0	26.1	35.1	21.8	11.2	8.5	7.9	6.6
1330	5.9	8.9	6.1	7.2	6.1	7.2	6.1	7.2	6.1	20.6	13.6	36.8	22.5	35.5	21.9	17.7	11.9	7.2	6.1
1430	4.5	3.1	2.2	4.8	4.2	4.8	4.2	4.8	4.2	5.0	4.3	5.5	4.5	5.6	4.6	5.2	4.4	4.8	4.2
1530	2.7	-0.2	-0.4	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8	2.0	1.8
1630	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
1730	1.2	-2.1	-2.1	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	0.1
1830	1.2	-1.4	-1.4	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
1930	1.8	0.6	0.6	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
2030	0.9	-0.7	-0.7	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
2130	1.1	0.2	0.2	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
2230	1.6	-0.7	-0.7	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	-1.6	-4.9	-4.9	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
Mean	0.4	-1.1	-1.8	0.0	-0.3	0.0	-0.3	0.8	0.2	4.2	2.0	5.7	2.9	3.8	1.9	0.6	0.1	0.0	-0.3

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