

Table 2.14(n) Air and corresponding sol-air temperatures: Swindon (Little Rissington) (January 2002–December 2012)

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	1.0	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
0130	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
0230	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
0330	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
0430	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
0530	0.3	-0.6	-0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0630	-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
0730	-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
0830	-0.9	-3.0	-3.4	-1.2	-1.5	-1.2	-1.5	-1.2	-1.5	-1.1	-1.5	-1.2	-1.5	-1.2	-1.5	-1.2	-1.5	-1.1	-1.5
0930	-0.1	4.0	0.8	1.2	0.2	1.2	0.2	35.6	19.3	55.1	30.1	42.8	23.3	5.8	2.7	1.2	0.2	1.2	0.2
1030	0.8	10.2	4.7	5.8	3.1	5.8	3.1	24.3	13.4	46.0	25.5	43.9	24.3	19.2	10.6	5.8	3.1	5.8	3.1
1130	1.4	12.7	6.3	6.3	3.6	6.3	3.6	15.6	8.8	47.3	26.5	54.4	30.4	32.7	18.4	6.3	3.6	6.3	3.6
1230	1.7	12.5	6.4	5.4	3.3	5.4	3.3	5.4	3.3	39.8	22.4	57.2	32.1	43.7	24.6	7.1	4.3	5.4	3.3
1330	1.7	9.7	4.8	4.0	2.5	4.0	2.5	4.0	2.5	25.4	14.4	48.9	27.5	45.8	25.8	17.9	10.2	4.0	2.5
1430	1.6	5.8	2.6	3.2	2.0	3.2	2.0	3.2	2.0	11.2	6.5	33.5	18.9	37.9	21.3	21.8	12.4	3.2	2.0
1530	0.5	0.2	-1.0	1.0	0.3	1.0	0.3	1.0	0.3	1.3	0.5	8.4	4.4	11.3	6.1	8.3	4.4	1.0	0.3
1630	-0.1	-3.0	-3.0	-1.0	-1.1	-1.0	-1.1	-1.0	-1.1	-1.1	-1.1	-1.0	-1.1	-1.0	-1.1	-1.0	-1.1	-1.1	-1.1
1730	-1.4	-4.4	-4.4	-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	-2.4
1830	-2.1	-5.1	-5.1	-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	-3.1
1930	-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
2030	-3.2	-6.5	-6.5	-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	-3.1	-6.4	-6.4	-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	-4.2
2230	-3.5	-6.8	-6.8	-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
2330	1.2	0.7	0.7	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	-0.2	0.3	-0.9	0.1	-0.4	0.1	-0.4	2.7	1.1	8.5	4.3	11.1	5.7	7.2	3.6	1.9	0.6	0.1	-0.4

* 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	-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
0130	-2.9	-5.5	-5.5	-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
0230	-3.8	-6.8	-6.8	-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
0330	-1.7	-4.0	-4.0	-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
0430	-1.2	-2.4	-2.4	-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
0530	-0.3	-1.2	-1.2	-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
0630	0.3	-0.5	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0730	0.4	0.0	-0.4	0.6	0.3	0.6	0.3	0.6	0.3	0.6	0.3	0.6	0.3	0.6	0.3	0.6	0.3	0.6	0.3
0830	0.1	0.7	-0.4	1.3	0.5	1.5	0.6	2.0	0.9	2.1	0.9	1.7	0.7	1.3	0.5	1.3	0.5	1.3	0.5
0930	1.6	9.9	5.2	4.2	2.7	4.2	2.7	32.7	18.5	45.3	25.5	33.5	19.0	4.3	2.8	4.2	2.7	4.2	2.7
1030	2.3	14.1	7.7	5.9	3.9	5.9	3.9	26.5	15.4	46.8	26.6	42.7	24.3	16.6	9.8	5.9	3.9	5.9	3.9
1130	3.1	18.3	10.7	7.7	5.3	7.7	5.3	17.4	10.8	45.0	26.1	50.1	28.9	29.8	17.6	7.7	5.3	7.7	5.3
1230	3.3	19.1	11.2	8.0	5.6	8.0	5.6	8.0	5.6	36.9	21.7	51.3	29.7	39.8	23.3	9.1	6.2	8.0	5.6
1330	2.8	17.4	10.2	7.2	5.0	7.2	5.0	7.2	5.0	25.3	15.0	47.1	27.2	45.1	26.1	20.4	12.4	7.2	5.0
1430	3.1	13.1	7.8	6.7	4.8	6.7	4.8	6.7	4.8	12.6	8.1	34.9	20.5	40.4	23.5	25.9	15.5	6.7	4.8
1530	2.8	11.2	6.6	5.3	3.9	5.3	3.9	5.3	3.9	5.3	3.9	37.0	21.5	53.5	30.7	41.4	23.9	7.8	5.3
1630	2.8	6.3	3.9	3.8	3.1	3.8	3.1	3.8	3.1	3.8	3.1	28.2	16.6	53.3	30.5	49.1	28.2	18.3	11.1
1730	-0.4	0.5	-0.3	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2	0.9	0.2
1830	0.1	-1.5	-1.5	-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	-0.5
1930	-0.5	-3.1	-3.1	-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	-1.0	-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	-2.0
2130	-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
2230	-1.6	-4.6	-4.6	-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	-2.6
2330	-2.9	-5.9	-5.9	-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	-3.9
Mean	0.1	2.5	0.5	0.9	0.2	0.9	0.2	3.4	1.6	8.1	4.2	12.4	6.6	10.6	5.6	5.7	2.9	1.6	0.6

* Greenwich Mean Time

Table 2.14(n) Air and corresponding sol-air temperatures: Swindon (Little Rissington) (January 2002–December 2012) — *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	4.7	2.1	2.1	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
0130	3.6	0.6	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	2.6
0230	3.3	0.3	0.3	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	2.3
0330	2.8	-0.2	-0.2	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
0430	2.4	-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
0530	1.9	-1.0	-1.0	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
0630	2.8	1.8	1.1	2.7	2.3	2.8	2.4	2.9	2.5	2.8	2.4	2.7	2.3	2.8	2.4	2.9	2.5	2.8	2.4
0730	5.4	9.0	6.5	7.2	6.1	18.7	12.5	29.4	18.4	27.1	17.2	13.2	9.5	7.2	6.1	7.2	6.1	7.2	6.1
0830	8.1	18.6	13.3	11.4	9.7	22.9	16.1	47.0	29.5	49.9	31.1	30.0	20.0	11.4	9.7	11.4	9.7	11.4	9.7
0930	9.7	24.2	16.9	14.3	11.9	15.5	12.6	42.5	27.6	52.5	33.2	39.6	26.0	14.3	11.9	14.3	11.9	14.3	11.9
1030	11.3	29.2	20.3	16.6	13.9	16.6	13.9	36.2	24.8	53.6	34.5	48.8	31.8	24.5	18.3	16.6	13.9	16.6	13.9
1130	12.7	32.5	22.7	18.6	15.6	18.6	15.6	26.5	20.0	49.5	32.8	53.8	35.2	36.8	25.7	18.6	15.6	18.6	15.6
1230	13.0	34.3	24.1	19.2	16.2	19.2	16.2	19.2	16.2	42.4	29.1	55.9	36.6	47.2	31.8	21.4	17.4	19.2	16.2
1330	13.8	34.2	24.4	19.6	16.8	19.6	16.8	19.6	16.8	33.0	24.2	55.2	36.5	55.8	36.9	34.6	25.1	19.6	16.8
1430	13.9	31.3	22.7	18.8	16.3	18.8	16.3	18.8	16.3	21.0	17.5	50.1	33.7	60.4	39.4	45.6	31.2	18.8	16.3
1530	13.6	26.9	20.3	17.5	15.5	17.5	15.5	17.5	15.5	17.5	15.5	41.1	28.6	59.3	38.7	52.5	35.0	24.8	19.6
1630	13.4	21.4	17.1	15.9	14.5	15.9	14.5	15.9	14.5	15.9	14.5	30.4	22.6	53.7	35.5	54.6	36.1	32.6	23.8
1730	13.0	16.7	14.3	14.2	13.4	14.6	13.7	14.8	13.8	14.4	13.5	14.2	13.4	14.6	13.7	14.8	13.8	14.4	13.5
1830	11.4	10.6	10.3	11.6	11.2	11.6	11.2	11.6	11.2	11.6	11.2	11.6	11.2	11.6	11.2	11.6	11.2	11.6	11.2
1930	9.5	7.9	7.9	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	8.9
2030	8.1	5.8	5.8	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
2130	7.2	4.9	4.9	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
2230	5.9	3.6	3.6	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
2330	5.5	2.9	2.9	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
Mean	8.2	13.2	10.0	9.7	8.7	10.7	9.3	14.5	11.3	18.2	13.4	20.5	14.7	18.5	13.6	14.6	11.4	10.7	9.3

* 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	-0.2	-3.2	-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	-1.2
0130	-1.0	-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	-2.0
0230	-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
0330	-1.9	-4.9	-4.9	-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	-2.9
0430	-1.5	-4.5	-4.5	-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	-2.5
0530	-1.7	-4.7	-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
0630	-0.2	0.2	-1.4	1.8	0.4	4.5	1.9	5.4	2.4	4.2	1.7	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
0730	2.2	9.2	4.6	5.6	3.6	19.0	11.0	28.2	16.1	24.2	13.9	9.4	5.7	5.6	3.6	5.6	3.6	5.6	3.6
0830	4.9	19.0	11.3	9.5	6.9	22.4	14.1	41.7	24.8	41.7	24.8	22.4	14.1	9.5	6.9	9.5	6.9	9.5	6.9
0930	6.2	26.6	16.2	11.9	8.9	15.6	11.0	40.9	25.0	48.5	29.3	34.0	21.2	11.9	8.9	11.9	8.9	11.9	8.9
1030	7.5	32.9	20.5	14.1	10.8	14.1	10.8	34.0	21.8	49.9	30.6	43.8	27.3	19.5	13.7	14.1	10.8	14.1	10.8
1130	8.6	36.3	22.7	15.6	12.0	15.6	12.0	22.4	15.8	45.2	28.5	49.6	30.9	33.1	21.8	15.6	12.0	15.6	12.0
1230	8.8	37.9	24.0	16.1	12.5	16.1	12.5	16.1	12.5	36.1	23.6	51.1	32.0	44.6	28.3	20.3	14.8	16.1	12.5
1330	9.0	35.9	22.8	15.8	12.4	15.8	12.4	15.8	12.4	23.7	16.7	47.7	30.1	52.1	32.5	34.1	22.6	15.8	12.4
1430	9.5	34.0	21.9	15.6	12.5	15.6	12.5	15.6	12.5	15.6	12.5	43.0	27.7	58.4	36.3	47.8	30.4	17.4	13.5
1530	8.7	26.9	17.6	13.5	11.0	13.5	11.0	13.5	11.0	13.5	11.0	31.0	20.7	53.8	33.4	52.3	32.5	27.4	18.7
1630	8.7	20.9	14.3	12.1	10.2	12.1	10.2	12.1	10.2	12.1	10.2	20.2	14.7	48.1	30.2	54.4	33.7	35.5	23.2
1730	8.0	12.7	9.3	10.1	8.7	10.0	8.6	10.0	8.6	10.0	8.6	10.0	8.6	31.5	20.6	40.8	25.8	31.9	20.8
1830	6.2	5.0	4.2	6.6	6.0	6.7	6.0	6.7	6.0	6.7	6.0	6.6	6.0	6.7	6.0	6.7	6.0	6.7	6.0
1930	4.3	1.3	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	3.3
2030	3.5	0.5	0.5	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	2.5
2130	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
2230	1.5	-1.5	-1.5	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	0.5
2330	0.1	-2.9	-2.9	-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	-0.9
Mean	3.9	11.2	6.6	5.9	4.6	7.3	5.3	10.7	7.2	13.5	8.8	15.1	9.7	15.4	9.8	12.8	8.4	8.4	5.9

* Greenwich Mean Time

Table 2.14(n) Air and corresponding sol-air temperatures: Swindon (Little Rissington) (January 2002–December 2012) — *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	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
0130	13.6	12.7	12.7	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
0230	12.8	11.2	11.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
0330	12.1	10.9	10.9	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
0430	12.1	11.6	11.3	12.2	12.0	12.2	12.0	12.2	12.0	12.2	12.0	12.2	12.0	12.2	12.0	12.2	12.0	12.2	12.0
0530	13.3	16.1	14.3	18.4	16.0	23.4	18.7	23.9	19.0	19.4	16.5	15.1	14.1	15.1	14.1	15.1	14.1	15.1	14.1
0630	15.3	21.9	17.9	21.6	18.5	33.7	25.2	37.2	27.1	30.2	23.2	18.8	16.9	18.8	16.9	18.8	16.9	18.8	16.9
0730	17.6	31.0	24.4	23.0	20.3	41.2	30.5	50.9	35.8	44.0	32.0	24.6	21.3	23.0	20.3	23.0	20.3	23.0	20.3
0830	19.5	38.2	29.0	26.0	22.8	39.8	30.5	54.9	38.9	52.6	37.6	34.2	27.4	26.0	22.8	26.0	22.8	26.0	22.8
0930	20.7	43.1	32.3	28.5	24.7	33.5	27.5	50.6	37.0	54.2	39.0	42.0	32.3	28.5	24.7	28.5	24.7	28.5	24.7
1030	21.6	48.5	35.9	30.0	26.0	30.0	26.0	45.3	34.5	55.3	40.1	49.6	36.9	31.5	26.8	30.0	26.0	30.0	26.0
1130	22.2	50.6	37.1	30.8	26.7	30.8	26.7	35.5	29.3	50.7	37.7	53.3	39.2	41.7	32.8	30.8	26.7	30.8	26.7
1230	23.0	51.0	37.4	31.4	27.2	31.4	27.2	31.4	27.2	43.4	33.9	54.2	39.9	50.7	38.0	34.8	29.2	31.4	27.2
1330	23.6	50.1	37.0	31.4	27.5	31.4	27.5	31.4	27.5	34.0	29.0	52.3	39.1	57.4	41.9	46.3	35.8	31.4	27.5
1430	24.3	46.5	35.3	31.7	28.0	31.7	28.0	31.7	28.0	31.7	28.0	46.4	36.1	58.3	42.7	54.0	40.3	35.9	30.3
1530	24.2	42.1	32.8	30.6	27.3	30.6	27.3	30.6	27.3	30.6	27.3	39.2	32.1	56.6	41.8	58.3	42.7	43.2	34.3
1630	24.2	37.3	30.1	29.2	26.5	29.2	26.5	29.2	26.5	29.2	26.5	31.5	27.8	52.4	39.4	59.3	43.3	48.4	37.2
1730	23.7	31.0	26.4	30.0	26.8	27.2	25.2	27.2	25.2	27.2	25.2	27.2	25.2	42.8	33.8	52.1	39.0	46.8	36.1
1830	23.2	26.9	24.4	32.1	27.9	25.1	24.0	25.1	24.0	25.1	24.0	25.1	24.0	35.5	29.8	46.7	35.9	45.3	35.2
1930	21.6	22.4	21.7	22.3	21.8	22.3	21.8	22.4	21.9	22.4	21.9	22.3	21.8	22.3	21.8	22.4	21.9	22.4	21.9
2030	20.7	18.2	18.1	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
2130	18.7	16.4	16.4	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
2230	17.1	14.5	14.5	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
2330	15.6	14.7	14.7	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
Mean	19.0	28.4	23.3	22.9	20.9	24.8	21.9	27.5	23.4	28.5	23.9	27.9	23.6	28.9	24.2	28.3	23.8	25.4	22.2

* 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	10.9	8.6	8.6	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
0130	10.3	8.7	8.7	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	9.7
0230	10.1	8.2	8.2	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	9.4
0330	9.8	6.8	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	8.8
0430	9.9	8.4	7.9	10.0	9.5	10.0	9.5	10.0	9.5	10.0	9.5	10.0	9.5	10.0	9.5	10.0	9.5	10.0	9.5
0530	12.1	15.2	12.8	20.4	16.4	29.2	21.2	29.3	21.3	20.7	16.5	14.1	12.8	14.1	12.8	14.1	12.8	14.1	12.8
0630	13.8	21.9	17.0	22.6	18.2	40.9	28.4	45.3	30.8	33.1	24.1	17.3	15.3	17.3	15.3	17.3	15.3	17.3	15.3
0730	15.9	30.4	22.8	20.9	18.3	44.5	31.4	54.8	37.1	44.8	31.5	20.3	18.0	20.9	18.3	20.9	18.3	20.9	18.3
0830	17.0	36.5	26.5	23.1	19.9	40.1	29.4	55.4	37.9	51.1	35.5	29.6	23.6	23.1	19.9	23.1	19.9	23.1	19.9
0930	18.7	43.2	31.0	25.7	22.1	33.6	26.5	52.6	37.1	55.0	38.4	39.2	29.7	25.7	22.1	25.7	22.1	25.7	22.1
1030	19.8	48.1	34.2	27.3	23.5	27.3	23.5	45.3	33.5	54.4	38.6	46.7	34.3	26.6	23.1	27.3	23.5	27.3	23.5
1130	20.6	50.3	35.8	28.7	24.6	28.7	24.6	34.6	27.9	49.1	36.0	50.5	36.8	38.1	29.8	28.7	24.6	28.7	24.6
1230	21.2	50.4	36.1	29.5	25.4	29.5	25.4	29.5	25.4	41.1	31.8	50.8	37.2	47.0	35.1	31.9	26.7	29.5	25.4
1330	22.0	50.4	36.6	30.0	26.1	30.0	26.1	30.0	26.1	32.2	27.3	49.5	36.9	54.3	39.6	44.0	33.8	30.0	26.1
1430	22.2	46.9	34.9	30.1	26.2	30.1	26.2	30.1	26.2	30.1	26.2	43.7	33.8	55.7	40.5	51.9	38.4	34.5	28.7
1530	22.3	42.0	32.3	29.4	25.9	29.4	25.9	29.4	25.9	29.4	25.9	36.7	29.9	53.2	39.1	55.3	40.3	41.7	32.7
1630	22.1	39.6	30.8	27.3	24.6	27.3	24.6	27.3	24.6	27.3	24.6	28.8	25.5	55.8	40.5	65.4	45.8	52.1	38.4
1730	21.7	32.8	26.7	29.9	25.9	25.5	23.4	25.5	23.4	25.5	23.4	25.5	23.4	47.3	35.5	61.6	43.5	54.5	39.5
1830	20.5	25.9	22.3	32.7	26.9	22.8	21.4	22.8	21.4	22.8	21.4	22.8	21.4	36.3	28.9	52.1	37.6	50.6	36.8
1930	18.5	18.6	17.5	19.6	18.8	19.6	18.7	19.6	18.8	19.7	18.8	19.6	18.8	19.6	18.7	19.6	18.8	19.7	18.8
2030	16.5	15.1	15.0	16.1	16.0	16.1	16.0	16.1	16.0	16.1	16.0	16.1	16.0	16.1	16.0	16.1	16.0	16.1	16.0
2130	13.9	12.3	12.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2230	13.3	11.7	11.7	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	12.7
2330	11.5	9.6	9.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
Mean	16.4	26.7	21.1	20.8	18.5	23.3	19.9	26.4	21.6	26.5	21.7	24.8	20.7	26.5	21.7	26.7	21.8	23.8	20.1

* Greenwich Mean Time

Table 2.14(n) Air and corresponding sol-air temperatures: Swindon (Little Rissington) (January 2002–December 2012) — *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	14.2	11.2	11.2	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	13.2
0130	13.7	10.7	10.7	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	12.7
0230	12.6	9.6	9.6	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	11.6
0330	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
0430	12.6	9.9	9.6	12.0	11.8	12.0	11.8	12.0	11.8	12.0	11.8	12.0	11.8	12.0	11.8	12.0	11.8	12.0	11.8
0530	14.7	15.2	13.5	20.3	17.3	27.0	21.0	27.2	21.1	20.9	17.6	15.7	14.7	15.7	14.7	15.7	14.7	15.7	14.7
0630	15.7	21.2	17.3	22.6	19.0	37.5	27.3	41.4	29.4	31.9	24.2	18.6	16.8	18.6	16.8	18.6	16.8	18.6	16.8
0730	17.7	29.5	22.9	22.2	19.8	43.1	31.4	52.9	36.8	44.5	32.1	22.7	20.0	22.2	19.8	22.2	19.8	22.2	19.8
0830	19.7	36.8	27.9	25.6	22.5	41.1	31.1	55.8	39.3	52.4	37.4	32.7	26.5	25.6	22.5	25.6	22.5	25.6	22.5
0930	21.4	42.5	31.8	28.5	24.9	35.3	28.7	52.6	38.3	55.2	39.7	41.5	32.1	28.5	24.9	28.5	24.9	28.5	24.9
1030	22.8	48.0	35.5	30.5	26.6	30.5	26.6	47.6	36.1	56.6	41.1	49.4	37.1	30.4	26.5	30.5	26.6	30.5	26.6
1130	23.9	50.6	37.4	32.2	28.1	32.2	28.1	38.5	31.6	52.4	39.3	53.5	39.9	41.2	33.1	32.2	28.1	32.2	28.1
1230	25.1	53.9	39.9	33.2	29.2	33.2	29.2	33.2	29.2	47.2	37.0	57.1	42.5	52.0	39.7	34.9	30.1	33.2	29.2
1330	25.9	53.5	40.1	33.7	29.8	33.7	29.8	33.7	29.8	38.0	32.2	55.7	42.1	59.5	44.2	47.2	37.3	33.7	29.8
1430	26.7	51.9	39.7	34.0	30.4	34.0	30.4	34.0	30.4	34.0	30.4	51.5	40.1	64.0	47.1	57.9	43.7	37.0	32.1
1530	26.5	47.2	36.8	32.7	29.6	32.7	29.6	32.7	29.6	32.7	29.6	43.8	35.7	63.4	46.6	64.3	47.1	46.0	36.9
1630	26.3	41.7	33.7	31.3	28.7	31.3	28.7	31.3	28.7	31.3	28.7	35.0	30.7	59.0	44.1	66.4	48.2	52.7	40.5
1730	26.2	36.1	30.5	32.2	29.1	29.8	27.8	29.8	27.8	29.8	27.8	29.8	27.8	52.0	40.1	64.3	46.9	56.1	42.4
1830	25.1	29.4	26.2	35.9	30.6	26.9	25.6	26.9	25.6	26.9	25.6	26.9	25.6	42.9	34.5	58.9	43.4	56.0	41.8
1930	23.1	22.2	21.1	23.4	22.8	23.4	22.8	23.6	22.9	23.6	22.9	23.4	22.8	23.4	22.8	23.6	22.9	23.6	22.9
2030	21.1	18.3	18.2	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
2130	19.3	16.3	16.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2230	17.8	14.8	14.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
2330	15.0	12.0	12.0	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	14.0
Mean	20.0	28.8	23.6	23.7	21.6	25.9	22.8	28.8	24.4	29.5	24.8	28.6	24.3	30.4	25.3	30.0	25.1	26.7	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	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
0130	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
0230	12.4	9.1	9.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
0330	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
0430	11.6	8.3	8.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
0530	12.9	11.6	10.7	12.8	12.3	13.0	12.4	13.0	12.5	12.8	12.3	12.8	12.3	13.0	12.4	13.0	12.5	12.8	12.3
0630	15.6	18.8	15.9	19.0	17.0	38.2	27.6	45.1	31.5	35.6	26.2	17.2	16.0	17.2	16.0	17.2	16.0	17.2	16.0
0730	18.5	25.9	21.1	22.1	20.0	36.7	28.1	46.2	33.4	41.6	30.8	25.6	21.9	22.1	20.0	22.1	20.0	22.1	20.0
0830	21.2	32.8	26.2	26.5	23.7	36.0	28.9	48.5	35.8	48.0	35.6	35.0	28.4	26.5	23.7	26.5	23.7	26.5	23.7
0930	24.0	40.6	31.7	30.5	27.1	34.1	29.1	51.7	38.9	56.5	41.6	45.8	35.6	30.5	27.1	30.5	27.1	30.5	27.1
1030	25.9	46.2	35.8	33.4	29.6	33.4	29.6	47.9	37.7	58.3	43.5	53.6	40.9	36.6	31.4	33.4	29.6	33.4	29.6
1130	26.5	50.1	38.3	34.1	30.3	34.1	30.3	40.2	33.7	57.5	43.3	60.3	44.8	47.0	37.4	34.1	30.3	34.1	30.3
1230	27.6	51.0	39.5	35.6	31.6	35.6	31.6	35.6	31.6	50.4	39.9	60.5	45.5	55.4	42.6	37.9	32.9	35.6	31.6
1330	28.0	49.1	38.6	35.9	32.0	35.9	32.0	35.9	32.0	41.8	35.2	56.7	43.5	59.0	44.8	47.3	38.3	35.9	32.0
1430	27.8	48.8	38.1	34.0	30.8	34.0	30.8	34.0	30.8	34.0	30.8	56.5	43.3	68.4	49.9	59.4	44.9	34.7	31.2
1530	27.5	44.2	35.6	32.9	30.1	32.9	30.1	32.9	30.1	32.9	30.1	47.8	38.4	66.3	48.6	64.6	47.7	43.8	36.1
1630	26.8	41.5	33.8	30.0	28.2	30.0	28.2	30.0	28.2	30.0	28.2	40.7	34.1	74.3	52.8	81.5	56.8	58.0	43.7
1730	26.0	33.0	28.6	27.9	26.6	27.9	26.6	27.9	26.6	27.9	26.6	27.5	26.4	61.3	45.2	75.2	52.9	61.0	45.0
1830	24.3	27.6	24.8	28.9	26.4	28.9	26.4	28.9	26.4	28.9	26.4	28.9	26.4	28.9	26.4	28.9	26.4	28.9	26.4
1930	22.0	20.5	19.8	22.3	21.7	22.3	21.7	22.3	21.7	22.3	21.7	22.3	21.7	22.3	21.7	22.3	21.7	22.3	21.7
2030	19.9	16.9	16.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
2130	18.3	16.0	16.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
2230	17.1	14.1	14.1	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	16.1
2330	15.0	11.7	11.7	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
Mean	20.4	27.0	22.7	22.9	21.3	24.9	22.4	27.7	24.0	29.3	24.9	29.8	25.2	31.4	26.0	30.0	25.2	25.9	23.0

* Greenwich Mean Time

Table 2.14(n) Air and corresponding sol-air temperatures: Swindon (Little Rissington) (January 2002–December 2012) — *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	9.5	6.5	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	8.5
0130	8.7	5.7	5.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
0230	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
0330	8.1	4.8	4.8	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	7.0
0430	8.0	5.1	5.1	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	7.0
0530	8.2	5.5	5.4	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	7.2
0630	10.4	10.9	9.5	10.8	10.2	11.0	10.3	11.2	10.5	11.1	10.4	10.8	10.2	11.0	10.3	11.2	10.5	11.1	10.4
0730	12.7	17.8	14.4	14.7	13.4	30.1	21.9	46.8	31.3	44.6	30.0	24.7	19.0	14.7	13.4	14.7	13.4	14.7	13.4
0830	14.2	23.7	18.1	17.6	15.6	25.7	20.1	46.9	31.9	50.7	34.0	34.8	25.2	17.6	15.6	17.6	15.6	17.6	15.6
0930	16.2	29.7	22.4	20.8	18.3	20.8	18.3	44.2	31.3	54.4	37.0	44.6	31.5	20.4	18.1	20.8	18.3	20.8	18.3
1030	16.8	34.2	25.5	22.5	19.6	22.5	19.6	37.6	28.0	54.2	37.2	51.7	35.8	31.6	24.7	22.5	19.6	22.5	19.6
1130	18.2	35.5	26.8	24.6	21.4	24.6	21.4	28.6	23.6	46.5	33.6	51.3	36.2	40.1	30.0	24.6	21.4	24.6	21.4
1230	18.5	39.2	29.3	24.7	21.7	24.7	21.7	24.7	21.7	44.6	32.7	59.4	40.9	53.2	37.5	29.6	24.4	24.7	21.7
1330	19.1	36.2	27.7	25.0	22.1	25.0	22.1	25.0	22.1	33.5	26.8	52.1	37.2	54.5	38.5	39.1	29.9	25.0	22.1
1430	19.7	36.0	27.7	24.2	21.9	24.2	21.9	24.2	21.9	23.5	21.5	53.9	38.4	66.4	45.3	53.5	38.1	24.2	21.9
1530	19.7	31.8	25.4	23.0	21.2	23.0	21.2	23.0	21.2	23.0	21.2	46.0	34.0	67.3	45.8	62.2	43.0	33.7	27.1
1630	19.2	26.2	22.1	21.0	19.8	21.0	19.8	21.0	19.8	21.0	19.8	35.6	28.0	64.8	44.2	68.1	46.0	43.4	32.3
1730	18.4	21.5	19.1	22.4	20.3	22.4	20.3	22.4	20.3	22.4	20.3	22.4	20.3	22.4	20.3	22.4	20.3	22.4	20.3
1830	16.5	15.0	14.5	15.8	15.7	15.8	15.7	15.8	15.7	15.8	15.7	15.8	15.7	15.8	15.7	15.8	15.7	15.8	15.7
1930	13.6	11.0	11.0	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
2030	12.8	10.2	10.2	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	11.5	8.9	8.9	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
2230	10.8	8.2	8.2	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
2330	9.6	6.6	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	8.6
Mean	13.7	18.1	15.0	15.2	14.2	16.2	14.7	19.6	16.6	22.7	18.3	25.1	19.6	24.1	19.1	20.9	17.3	16.6	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	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
0130	5.6	3.3	3.3	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
0230	6.0	4.1	4.1	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
0330	5.2	2.9	2.9	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
0430	4.5	2.2	2.2	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
0530	5.2	3.6	3.6	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	4.6
0630	4.7	2.5	2.5	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
0730	6.4	6.5	5.3	7.3	6.5	7.3	6.5	7.5	6.6	7.5	6.6	7.3	6.5	7.3	6.5	7.5	6.6	7.5	6.6
0830	8.3	13.2	9.9	10.3	9.0	13.7	10.9	35.6	23.1	42.6	27.0	30.6	20.3	10.3	9.0	10.3	9.0	10.3	9.0
0930	10.7	19.5	14.2	13.7	11.9	13.7	11.9	36.1	24.4	50.5	32.4	43.1	28.3	18.2	14.4	13.7	11.9	13.7	11.9
1030	13.0	25.0	18.4	16.7	14.6	16.7	14.6	31.3	22.7	53.5	35.0	53.6	35.1	31.8	23.0	16.7	14.6	16.7	14.6
1130	14.9	28.6	21.2	18.9	16.7	18.9	16.7	22.4	18.6	50.7	34.3	59.8	39.4	44.5	30.9	18.9	16.7	18.9	16.7
1230	15.3	28.8	21.4	19.3	17.1	19.3	17.1	19.3	17.1	42.1	29.7	59.6	39.5	53.0	35.8	26.2	20.9	19.3	17.1
1330	15.5	27.7	20.9	18.9	16.9	18.9	16.9	18.9	16.9	32.3	24.4	58.4	38.9	60.9	40.3	38.3	27.7	18.9	16.9
1430	15.8	24.6	19.3	18.3	16.7	18.3	16.7	18.3	16.7	20.5	18.0	51.5	35.2	62.6	41.4	47.5	33.0	18.3	16.7
1530	15.7	19.8	16.6	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	40.5	29.0	57.5	38.4	50.6	34.6	23.8	19.8
1630	14.6	14.6	13.4	14.7	14.2	14.9	14.4	14.9	14.4	14.7	14.2	14.7	14.2	14.9	14.4	14.9	14.4	14.7	14.2
1730	11.8	9.6	9.5	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
1830	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
1930	7.6	4.3	4.3	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
2030	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
2130	6.0	3.0	3.0	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	5.0
2230	4.7	1.7	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	3.7
2330	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
Mean	9.2	10.9	8.9	9.7	9.0	9.8	9.1	12.4	10.6	17.0	13.1	20.7	15.1	18.3	13.8	13.4	11.1	10.0	9.2

* Greenwich Mean Time

Table 2.14(n) Air and corresponding sol-air temperatures: Swindon (Little Rissington) (January 2002–December 2012) — *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	-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
0130	-0.2	-3.5	-3.5	-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
0230	0.4	-2.2	-2.2	-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	0.0	-3.3	-3.3	-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	-1.5	-4.1	-4.1	-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
0530	-1.5	-4.5	-4.5	-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	-2.5
0630	-2.1	-4.7	-4.7	-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
0730	-1.9	-4.3	-4.4	-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
0830	0.5	0.9	-0.3	1.5	0.7	1.3	0.6	1.5	0.7	1.6	0.8	1.5	0.7	1.3	0.6	1.5	0.7	1.6	0.8
0930	2.2	6.0	3.1	3.7	2.6	3.7	2.6	22.7	13.2	37.2	21.3	32.0	18.3	10.0	6.2	3.7	2.6	3.7	2.6
1030	4.9	11.2	7.1	7.0	5.6	7.0	5.6	20.1	12.9	42.0	25.1	43.2	25.7	23.0	14.5	7.0	5.6	7.0	5.6
1130	5.9	13.7	8.9	8.4	6.8	8.4	6.8	11.9	8.8	39.7	24.2	48.8	29.3	34.0	21.1	8.4	6.8	8.4	6.8
1230	6.3	14.2	9.4	8.8	7.2	8.8	7.2	8.8	7.2	33.4	20.9	50.6	30.5	43.1	26.3	15.1	10.7	8.8	7.2
1330	6.7	13.1	8.9	8.7	7.3	8.7	7.3	8.7	7.3	24.2	16.0	48.5	29.5	49.1	29.8	25.8	16.9	8.7	7.3
1430	6.4	9.7	6.9	7.4	6.5	7.4	6.5	7.4	6.5	12.9	9.6	41.3	25.3	49.6	30.0	33.1	20.8	7.4	6.5
1530	5.2	4.7	3.6	5.4	4.8	5.6	5.0	5.4	4.9	5.2	4.8	5.4	4.8	5.6	5.0	5.4	4.9	5.2	4.8
1630	2.9	0.0	0.0	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
1730	2.0	-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	1.0	1.0	1.0
1830	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
1930	0.5	-2.8	-2.8	-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
2030	-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
2130	-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
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	0.7	-1.6	-1.6	-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
Mean	1.4	0.9	-0.2	1.3	0.9	1.3	0.9	2.8	1.7	7.3	4.3	10.5	6.0	8.1	4.7	3.3	2.0	1.3	0.9

* 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	-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
0130	-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
0230	-3.1	-6.4	-6.4	-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	-4.2
0330	-2.6	-5.9	-5.9	-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
0430	-2.4	-5.7	-5.7	-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
0530	-1.4	-4.7	-4.7	-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	-2.3	-5.3	-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	-3.3
0730	-2.4	-5.4	-5.4	-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	-3.4
0830	-2.4	-4.3	-4.6	-2.8	-3.0	-2.8	-3.0	-2.8	-3.0	-2.7	-3.0	-2.8	-3.0	-2.8	-3.0	-2.8	-3.0	-2.7	-3.0
0930	-1.3	2.8	0.3	0.0	-0.8	0.0	-0.8	31.5	16.7	54.0	29.2	44.6	24.0	8.9	4.1	0.0	-0.8	0.0	-0.8
1030	0.6	7.3	3.3	2.8	1.5	2.8	1.5	22.7	12.5	52.3	29.0	52.6	29.1	23.3	12.9	2.8	1.5	2.8	1.5
1130	1.3	6.6	3.8	4.0	2.7	4.0	2.7	6.7	4.2	17.5	10.2	20.6	11.9	14.2	8.3	4.0	2.7	4.0	2.7
1230	4.1	10.8	7.3	6.6	5.3	6.6	5.3	6.6	5.3	27.6	17.0	39.9	23.8	32.6	19.7	9.9	7.1	6.6	5.3
1330	4.7	10.5	7.2	6.6	5.5	6.6	5.5	6.6	5.5	23.3	14.8	43.9	26.2	42.6	25.5	20.0	12.9	6.6	5.5
1430	4.6	6.2	4.3	5.4	4.7	5.4	4.7	5.4	4.7	11.3	7.9	29.6	18.1	33.7	20.4	21.3	13.5	5.4	4.7
1530	3.0	0.8	0.5	2.6	2.3	2.7	2.4	2.6	2.3	2.6	2.3	2.6	2.3	2.7	2.4	2.6	2.3	2.6	2.3
1630	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
1730	1.7	-0.9	-0.9	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
1830	1.8	-0.8	-0.8	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
1930	1.1	-1.9	-1.9	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
2030	0.7	-2.3	-2.3	-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	-0.3
2130	0.9	-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
2230	0.2	-2.8	-2.8	-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	-0.8
2330	-2.4	-5.7	-5.7	-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	0.1	-0.9	-1.7	-0.2	-0.5	-0.2	-0.5	2.1	0.8	6.5	3.2	8.4	4.3	5.2	2.5	1.2	0.3	-0.2	-0.5

* Greenwich Mean Time