

Table 2.14(m) Air and corresponding sol-air temperatures: Southampton (Thorney Island) (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	-1.6	-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
0130	-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
0230	-2.6	-4.5	-4.5	-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
0330	-4.1	-7.4	-7.4	-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
0430	-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
0530	-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
0630	-4.1	-7.4	-7.4	-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
0730	-4.8	-8.1	-8.1	-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
0830	-3.6	-5.3	-6.1	-3.7	-4.1	-3.7	-4.2	-3.6	-4.1	-3.6	-4.1	-3.7	-4.1	-3.7	-4.2	-3.6	-4.1	-3.6	-4.1
0930	-0.2	1.8	-0.6	0.7	-0.2	0.7	-0.2	19.8	10.4	30.9	16.6	24.3	12.9	3.8	1.5	0.7	-0.2	0.7	-0.2
1030	1.6	7.0	3.1	3.4	2.1	3.4	2.1	19.4	11.0	38.7	21.7	37.2	20.9	15.7	8.9	3.4	2.1	3.4	2.1
1130	3.3	10.8	6.0	5.7	4.1	5.7	4.1	12.9	8.2	38.5	22.4	44.6	25.7	27.6	16.3	5.7	4.1	5.7	4.1
1230	4.3	12.4	7.3	6.8	5.2	6.8	5.2	6.8	5.2	33.6	20.1	47.6	27.8	37.4	22.2	9.0	6.4	6.8	5.2
1330	4.6	11.8	7.1	6.8	5.3	6.8	5.3	6.8	5.3	25.4	15.7	46.9	27.6	44.6	26.3	19.9	12.6	6.8	5.3
1430	4.5	9.5	5.8	6.0	4.8	6.0	4.8	6.0	4.8	15.2	10.0	43.1	25.5	49.0	28.7	29.5	17.9	6.0	4.8
1530	4.0	5.6	3.4	4.5	3.8	4.5	3.8	4.5	3.8	4.5	3.8	37.9	22.3	52.2	30.3	38.4	22.6	4.6	3.9
1630	1.8	-0.3	-0.9	1.6	1.2	1.7	1.3	1.7	1.2	1.5	1.1	1.6	1.2	1.7	1.3	1.7	1.2	1.5	1.1
1730	0.4	-2.6	-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	-0.6
1830	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
1930	1.3	-1.3	-1.3	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
2030	-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
2130	-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
2230	-3.6	-6.9	-6.9	-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
2330	-2.0	-3.9	-3.9	-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	-0.8	-1.9	-0.5	-0.9	-0.5	-0.9	1.2	0.0	5.8	2.6	9.8	4.8	7.7	3.6	2.5	0.7	-0.5	-0.9

* 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	2.4	1.9	1.9	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
0130	1.3	0.4	0.4	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	-0.5	-2.8	-2.8	-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
0330	-0.6	-1.5	-1.5	-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
0430	-1.6	-3.5	-3.5	-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
0530	-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
0630	-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
0730	-0.8	-3.6	-3.8	-1.4	-1.7	-1.4	-1.7	-1.4	-1.7	-1.4	-1.7	-1.4	-1.7	-1.4	-1.7	-1.4	-1.7	-1.4	-1.7
0830	0.7	1.9	-0.1	1.8	0.8	5.3	2.8	15.0	8.1	17.1	9.3	10.5	5.6	1.8	0.8	1.8	0.8	1.8	0.8
0930	2.9	9.5	5.1	5.2	3.7	5.2	3.7	28.9	16.8	39.6	22.8	29.9	17.4	5.7	3.9	5.2	3.7	5.2	3.7
1030	4.9	16.4	9.8	8.5	6.4	8.5	6.4	28.0	17.2	47.8	28.2	44.2	26.2	19.2	12.3	8.5	6.4	8.5	6.4
1130	5.8	20.4	12.4	10.7	8.0	10.7	8.0	19.4	12.8	45.7	27.5	51.0	30.4	32.1	19.9	10.7	8.0	10.7	8.0
1230	6.3	21.7	13.4	11.7	8.8	11.7	8.8	11.7	8.8	38.5	23.7	52.7	31.6	42.2	25.7	13.2	9.6	11.7	8.8
1330	6.3	20.7	12.8	11.4	8.6	11.4	8.6	11.4	8.6	28.5	18.1	50.7	30.5	49.3	29.7	25.1	16.2	11.4	8.6
1430	6.5	17.9	11.3	10.4	8.2	10.4	8.2	10.4	8.2	16.9	11.8	45.8	27.8	53.4	32.1	35.4	22.0	10.4	8.2
1530	6.2	12.8	8.4	8.3	6.8	8.3	6.8	8.3	6.8	8.3	6.8	36.7	22.6	52.2	31.3	41.7	25.4	11.3	8.5
1630	4.7	5.7	3.8	5.1	4.4	5.1	4.4	5.1	4.4	5.1	4.4	21.8	13.7	39.6	23.6	37.1	22.2	15.7	10.3
1730	2.1	-0.9	-1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.3	1.1	1.3	1.1
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	-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
2030	-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
2130	-2.7	-6.0	-6.0	-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
2230	-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
2330	2.4	1.9	1.9	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
Mean	1.6	3.5	1.4	2.2	1.5	2.4	1.6	5.0	3.0	9.5	5.6	13.5	7.8	11.5	6.7	6.7	4.0	2.8	1.8

* Greenwich Mean Time

Table 2.14(m) Air and corresponding sol-air temperatures: Southampton (Thorney Island) (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	-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
0130	-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
0230	-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
0330	-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
0430	-3.3	-6.3	-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	-4.3
0530	-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
0630	-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
0730	-2.6	-2.9	-4.2	-1.8	-2.6	-0.2	-1.8	0.7	-1.3	0.5	-1.4	-0.7	-2.0	-1.8	-2.6	-1.8	-2.6	-1.8	-2.6
0830	1.8	8.1	3.8	4.9	3.0	11.4	6.6	24.4	13.8	26.0	14.7	15.4	8.8	4.9	3.0	4.9	3.0	4.9	3.0
0930	5.8	19.0	11.6	9.9	7.6	10.9	8.2	36.6	22.4	46.2	27.7	34.1	21.0	9.9	7.6	9.9	7.6	9.9	7.6
1030	7.8	28.7	18.9	13.5	10.8	13.5	10.8	34.4	22.4	53.5	33.0	48.5	30.2	22.3	15.6	13.5	10.8	13.5	10.8
1130	9.4	34.1	22.7	16.0	12.9	16.0	12.9	24.4	17.6	51.5	32.7	56.9	35.7	37.5	24.9	16.0	12.9	16.0	12.9
1230	8.9	35.3	23.3	16.1	12.8	16.1	12.8	16.1	12.8	42.6	27.5	59.2	36.7	49.5	31.4	19.2	14.5	16.1	12.8
1330	9.0	35.9	23.7	17.1	13.4	17.1	13.4	17.1	13.4	31.8	21.6	59.7	37.0	61.3	38.0	35.8	23.8	17.1	13.4
1430	8.8	32.0	21.1	16.1	12.7	16.1	12.7	16.1	12.7	16.7	13.0	53.2	33.3	66.8	40.8	49.5	31.2	16.1	12.7
1530	8.5	22.0	15.6	12.6	10.6	12.6	10.6	12.6	10.6	12.6	10.6	33.8	22.4	51.2	32.1	45.7	29.0	20.3	14.9
1630	7.8	14.3	10.2	9.9	8.6	9.9	8.6	9.9	8.6	9.9	8.6	22.7	15.7	44.9	28.0	46.3	28.8	26.2	17.6
1730	6.2	6.2	5.0	7.1	6.3	7.3	6.4	7.3	6.4	7.2	6.4	7.1	6.3	7.3	6.4	7.3	6.4	7.2	6.4
1830	6.5	5.6	5.6	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
1930	6.4	5.9	5.9	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
2030	6.5	6.0	6.0	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
2130	6.4	5.5	5.5	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
2230	7.0	6.5	6.5	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
2330	-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
Mean	3.6	9.2	5.8	5.3	4.2	5.7	4.5	8.6	6.0	12.7	8.3	16.5	10.5	15.0	9.6	10.5	7.1	6.3	4.8

* 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	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
0130	9.2	8.3	8.3	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
0230	9.2	7.6	7.6	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
0330	8.9	8.0	8.0	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
0430	8.2	7.0	7.0	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
0530	8.4	7.7	7.3	8.6	8.2	8.6	8.2	8.6	8.2	8.6	8.2	8.6	8.2	8.6	8.2	8.6	8.2	8.6	8.2
0630	10.0	13.0	11.3	12.8	11.4	15.9	13.1	17.0	13.8	15.6	13.0	12.0	11.0	12.0	11.0	12.0	11.0	12.0	11.0
0730	11.1	14.7	11.8	14.1	12.3	17.8	14.4	19.7	15.5	18.9	15.0	15.8	13.3	14.1	12.3	14.1	12.3	14.1	12.3
0830	12.7	21.4	17.0	17.9	15.4	21.6	17.4	25.0	19.4	25.1	19.4	21.6	17.4	17.9	15.4	17.9	15.4	17.9	15.4
0930	12.7	26.4	19.9	19.7	16.4	22.1	17.8	29.7	22.0	32.0	23.3	27.6	20.9	19.7	16.4	19.7	16.4	19.7	16.4
1030	15.2	43.4	30.3	22.8	19.2	22.8	19.2	42.3	30.1	58.4	39.0	52.6	35.8	28.2	22.2	22.8	19.2	22.8	19.2
1130	15.9	47.9	33.3	24.8	20.7	24.8	20.7	30.6	23.9	54.0	36.9	58.9	39.6	42.5	30.5	24.8	20.7	24.8	20.7
1230	16.4	49.8	34.6	26.3	21.7	26.3	21.7	26.3	21.7	45.2	32.2	61.2	41.1	55.2	37.8	30.7	24.2	26.3	21.7
1330	17.1	46.7	32.2	25.9	21.5	25.9	21.5	25.9	21.5	32.2	25.1	58.0	39.4	63.4	42.4	45.3	32.3	25.9	21.5
1430	17.5	44.1	30.9	25.6	21.6	25.6	21.6	25.6	21.6	25.6	21.6	52.2	36.3	69.0	45.6	58.9	40.1	28.0	22.9
1530	17.8	38.7	28.1	23.8	20.7	23.8	20.7	23.8	20.7	23.8	20.7	42.3	31.0	69.1	45.8	68.3	45.4	40.4	29.9
1630	17.3	31.0	23.4	20.9	18.8	20.9	18.8	20.9	18.8	20.9	18.8	29.5	23.6	63.8	42.6	72.3	47.3	50.0	35.0
1730	16.2	23.0	18.5	18.5	17.0	17.8	16.6	17.8	16.6	17.8	16.6	17.8	16.6	54.9	37.2	71.9	46.6	56.8	38.3
1830	14.3	14.6	13.0	14.6	13.9	14.7	14.0	15.0	14.2	14.9	14.1	14.6	13.9	14.7	14.0	15.0	14.2	14.9	14.1
1930	12.1	9.0	8.9	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
2030	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
2130	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
2230	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
2330	9.7	6.7	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	8.7
Mean	12.4	20.6	16.0	15.1	13.6	15.7	13.9	17.3	14.8	20.0	16.3	23.3	18.1	25.9	19.5	23.7	18.4	18.7	15.6

* Greenwich Mean Time

Table 2.14(m) Air and corresponding sol-air temperatures: Southampton (Thorney Island) (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	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
0130	10.5	7.2	7.2	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
0230	10.6	9.0	9.0	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	10.0
0330	10.6	10.2	10.1	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	11.0	11.0	10.8	11.2	11.0	11.2	11.0	11.2	11.0	11.2	11.0	11.2	11.0	11.2	11.0	11.2	11.0	11.2	11.0
0530	11.6	14.6	12.9	16.7	14.3	21.8	17.1	22.3	17.4	17.8	14.9	13.4	12.5	13.4	12.5	13.4	12.5	13.4	12.5
0630	12.7	19.4	15.2	19.0	15.8	33.8	24.0	38.1	26.4	29.6	21.7	15.9	14.1	15.9	14.1	15.9	14.1	15.9	14.1
0730	14.5	27.1	20.2	19.1	16.6	39.1	27.7	49.7	33.6	42.1	29.4	20.7	17.5	19.1	16.6	19.1	16.6	19.1	16.6
0830	16.2	34.2	24.7	21.9	18.9	36.6	27.0	52.5	35.9	50.0	34.5	30.4	23.6	21.9	18.9	21.9	18.9	21.9	18.9
0930	17.3	40.3	28.6	23.9	20.5	29.7	23.7	49.3	34.6	53.3	36.8	39.3	29.0	23.9	20.5	23.9	20.5	23.9	20.5
1030	18.7	45.6	32.2	25.8	22.2	25.8	22.2	42.4	31.3	53.2	37.3	47.0	33.9	27.5	23.1	25.8	22.2	25.8	22.2
1130	17.6	46.6	32.2	25.0	21.2	25.0	21.2	29.7	23.8	46.3	33.0	49.4	34.8	37.2	28.0	25.0	21.2	25.0	21.2
1230	18.7	48.2	33.6	26.0	22.2	26.0	22.2	26.0	22.2	38.6	29.3	51.1	36.2	47.8	34.4	30.7	24.9	26.0	22.2
1330	17.7	45.9	31.9	24.5	21.0	24.5	21.0	24.5	21.0	26.5	22.1	47.4	33.7	53.9	37.3	42.2	30.8	24.5	21.0
1430	18.1	43.3	30.6	24.2	21.0	24.2	21.0	24.2	21.0	24.2	21.0	42.0	30.9	58.1	39.8	53.4	37.2	30.8	24.6
1530	19.0	39.6	29.0	24.1	21.3	24.1	21.3	24.1	21.3	24.1	21.3	34.6	27.2	58.8	40.6	62.0	42.4	42.2	31.4
1630	19.9	34.8	26.7	23.9	21.6	23.9	21.6	23.9	21.6	23.9	21.6	25.8	22.7	55.1	39.0	65.6	44.8	51.0	36.7
1730	18.2	26.9	21.5	25.7	21.9	20.8	19.1	20.8	19.1	20.8	19.1	20.8	19.1	45.3	32.8	61.2	41.6	53.1	37.1
1830	16.1	18.7	16.1	27.7	22.0	17.2	16.2	17.2	16.2	17.2	16.2	17.2	16.2	31.8	24.3	48.6	33.7	46.9	32.7
1930	13.4	11.5	10.9	13.1	12.7	13.1	12.7	13.2	12.8	13.3	12.8	13.1	12.7	13.1	12.7	13.2	12.8	13.3	12.8
2030	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
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	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
2330	11.9	8.6	8.6	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	14.6	24.0	18.5	18.1	16.1	20.0	17.1	23.0	18.8	23.9	19.3	23.4	19.0	25.7	20.3	25.6	20.3	21.9	18.2

* 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	6.5	3.5	3.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
0130	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
0230	5.0	1.7	1.7	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
0330	3.6	0.7	0.7	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
0430	3.9	1.5	1.1	3.5	3.2	3.6	3.2	3.5	3.2	3.5	3.2	3.5	3.2	3.6	3.2	3.5	3.2	3.5	3.2
0530	7.6	9.1	6.9	14.0	10.6	20.8	14.4	20.9	14.5	14.3	10.8	9.0	7.9	9.0	7.9	9.0	7.9	9.0	7.9
0630	11.0	17.9	13.3	18.8	14.8	34.1	23.3	37.8	25.4	27.7	19.8	14.2	12.3	14.2	12.3	14.2	12.3	14.2	12.3
0730	14.1	26.4	19.4	18.9	16.3	38.2	27.0	46.6	31.6	38.5	27.1	18.7	16.1	18.9	16.3	18.9	16.3	18.9	16.3
0830	16.2	34.9	25.4	22.4	19.3	37.7	27.7	51.0	35.1	47.1	33.0	28.2	22.5	22.4	19.3	22.4	19.3	22.4	19.3
0930	15.5	41.3	29.3	22.9	19.4	30.6	23.7	48.6	33.7	50.7	34.9	35.7	26.5	22.9	19.4	22.9	19.4	22.9	19.4
1030	17.5	46.8	33.4	25.8	21.9	25.8	21.9	42.0	31.0	50.3	35.6	43.3	31.7	25.1	21.6	25.8	21.9	25.8	21.9
1130	15.6	48.4	33.4	23.9	20.0	23.9	20.0	29.6	23.2	44.4	31.4	46.1	32.4	33.7	25.5	23.9	20.0	23.9	20.0
1230	15.6	48.3	33.4	23.9	20.1	23.9	20.1	23.9	20.1	35.5	26.5	46.1	32.4	42.7	30.5	27.3	22.0	23.9	20.1
1330	18.9	50.3	35.7	26.5	22.9	26.5	22.9	26.5	22.9	27.9	23.7	47.4	34.5	53.6	37.9	42.9	32.0	26.5	22.9
1430	19.6	45.4	32.6	26.3	22.9	26.3	22.9	26.3	22.9	26.3	22.9	41.2	31.1	55.8	39.3	52.2	37.3	32.6	26.4
1530	18.8	40.7	29.6	24.5	21.5	24.5	21.5	24.5	21.5	24.5	21.5	33.1	26.3	55.7	38.9	59.3	40.9	41.8	31.1
1630	17.7	34.6	25.6	22.0	19.6	22.0	19.6	22.0	19.6	22.0	19.6	22.8	20.0	52.5	36.5	63.7	42.8	49.8	35.1
1730	16.9	27.7	21.4	25.8	21.3	19.9	18.1	19.9	18.1	19.9	18.1	19.9	18.1	44.4	31.7	61.5	41.2	53.8	36.9
1830	15.9	21.1	17.3	31.4	24.0	17.4	16.2	17.4	16.2	17.4	16.2	17.4	16.2	35.3	26.2	57.3	38.4	55.7	37.5
1930	13.7	13.3	12.0	14.2	13.5	14.2	13.5	14.4	13.6	14.5	13.6	14.2	13.5	14.2	13.5	14.4	13.6	14.5	13.6
2030	11.7	8.6	8.5	10.7	10.6	10.7	10.6	10.7	10.6	10.7	10.6	10.7	10.6	10.7	10.6	10.7	10.6	10.7	10.6
2130	11.0	7.7	7.7	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
2230	8.8	5.5	5.5	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
2330	8.1	5.1	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	7.1
Mean	12.5	22.6	16.9	16.5	14.3	18.4	15.3	21.1	16.9	21.5	17.1	20.5	16.5	23.2	18.0	23.8	18.4	20.5	16.5

* Greenwich Mean Time

Table 2.14(m) Air and corresponding sol-air temperatures: Southampton (Thorney Island) (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	9.4	6.1	6.1	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	8.3
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	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
0330	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
0430	7.3	4.5	4.2	6.6	6.4	6.6	6.4	6.6	6.4	6.6	6.4	6.6	6.4	6.6	6.4	6.6	6.4	6.6	6.4
0530	10.1	10.3	8.7	15.3	12.5	21.7	16.1	22.0	16.2	16.0	12.9	10.9	10.0	10.9	10.0	10.9	10.0	10.9	10.0
0630	13.0	18.3	14.5	19.6	16.1	34.4	24.4	38.3	26.6	29.0	21.4	15.7	14.0	15.7	14.0	15.7	14.0	15.7	14.0
0730	16.6	27.5	21.2	20.9	18.5	40.2	29.2	49.2	34.2	41.5	29.9	21.5	18.8	20.9	18.5	20.9	18.5	20.9	18.5
0830	19.3	35.9	27.2	25.1	22.1	39.7	30.2	53.5	37.9	50.3	36.0	31.8	25.8	25.1	22.1	25.1	22.1	25.1	22.1
0930	19.2	40.2	29.4	25.9	22.4	32.7	26.2	50.2	35.9	52.8	37.4	38.9	29.7	25.9	22.4	25.9	22.4	25.9	22.4
1030	20.3	45.2	32.6	27.6	23.9	27.6	23.9	44.3	33.1	53.1	38.0	46.2	34.2	27.6	23.8	27.6	23.9	27.6	23.9
1130	20.1	47.4	33.8	27.7	23.8	27.7	23.8	33.9	27.3	48.4	35.3	49.8	36.1	37.4	29.2	27.7	23.8	27.7	23.8
1230	20.3	48.4	34.4	27.9	24.0	27.9	24.0	27.9	24.0	41.0	31.3	51.2	37.0	46.7	34.5	30.2	25.3	27.9	24.0
1330	20.5	47.7	34.1	27.7	24.0	27.7	24.0	27.7	24.0	31.1	25.9	49.4	36.0	53.9	38.6	42.2	32.0	27.7	24.0
1430	20.8	45.4	33.0	27.2	23.9	27.2	23.9	27.2	23.9	27.2	23.9	44.7	33.6	58.4	41.2	52.9	38.1	31.5	26.2
1530	20.2	40.6	30.0	25.7	22.7	25.7	22.7	25.7	22.7	25.7	22.7	36.6	28.8	58.0	40.7	59.7	41.7	40.8	31.1
1630	20.3	36.2	27.6	24.4	22.1	24.4	22.1	24.4	22.1	24.4	22.1	27.8	24.0	56.8	40.1	66.2	45.3	50.5	36.6
1730	19.9	30.3	24.2	26.4	23.0	22.5	20.8	22.5	20.8	22.5	20.8	22.5	20.8	51.4	36.9	68.3	46.3	57.9	40.5
1830	19.2	24.0	20.4	34.4	27.2	20.2	19.3	20.2	19.3	20.2	19.3	20.2	19.3	43.8	32.3	68.4	46.0	64.5	43.9
1930	17.4	17.2	15.8	17.1	16.7	17.0	16.7	17.2	16.8	17.2	16.8	17.1	16.7	17.0	16.7	17.2	16.8	17.2	16.8
2030	13.9	10.8	10.7	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
2130	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
2230	10.7	7.4	7.4	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
2330	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
Mean	15.3	23.9	18.6	18.9	16.8	20.7	17.8	23.5	19.3	24.2	19.7	23.5	19.3	26.2	20.8	26.6	21.1	23.0	19.0

* 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	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
0130	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
0230	7.2	4.2	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	6.2
0330	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
0430	6.9	3.7	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	7.0	4.8	4.3	6.8	6.4	6.8	6.4	6.8	6.4	6.8	6.4	6.8	6.4	6.8	6.4	6.8	6.4	6.8	6.4
0630	9.9	11.7	9.4	12.6	10.9	21.9	16.0	25.2	17.9	20.7	15.4	11.4	10.3	11.4	10.3	11.4	10.3	11.4	10.3
0730	14.4	24.3	19.2	18.3	16.3	35.5	25.9	46.9	32.2	41.5	29.2	22.4	18.6	18.3	16.3	18.3	16.3	18.3	16.3
0830	17.1	33.9	26.2	22.7	20.1	35.6	27.3	53.5	37.2	53.0	36.9	34.3	26.6	22.7	20.1	22.7	20.1	22.7	20.1
0930	19.1	40.7	30.7	25.7	22.6	29.8	24.9	52.3	37.4	58.6	40.9	44.9	33.3	25.7	22.6	25.7	22.6	25.7	22.6
1030	20.1	45.5	34.0	27.5	24.1	27.5	24.1	45.0	33.8	58.0	41.1	52.3	37.9	31.4	26.3	27.5	24.1	27.5	24.1
1130	19.9	46.4	34.2	27.8	24.1	27.8	24.1	33.6	27.4	51.5	37.3	54.7	39.1	41.3	31.6	27.8	24.1	27.8	24.1
1230	20.2	47.7	35.2	28.1	24.5	28.1	24.5	28.1	24.5	44.2	33.5	56.2	40.1	50.8	37.1	31.3	26.3	28.1	24.5
1330	20.1	49.1	36.0	27.0	23.8	27.0	23.8	27.0	23.8	34.6	28.1	58.0	41.1	62.3	43.5	45.1	33.9	27.0	23.8
1430	19.3	43.0	32.1	25.8	22.7	25.8	22.7	25.8	22.7	25.8	22.7	48.6	35.4	61.7	42.7	53.0	37.9	27.6	23.8
1530	19.2	38.3	29.4	24.7	22.1	24.7	22.1	24.7	22.1	24.7	22.1	40.1	30.7	60.8	42.2	59.7	41.5	37.4	29.2
1630	20.0	32.8	26.6	24.1	22.1	24.1	22.1	24.1	22.1	24.1	22.1	30.9	25.9	54.9	39.2	60.5	42.3	44.4	33.4
1730	18.9	25.1	21.6	21.6	20.2	21.4	20.0	21.4	20.0	21.4	20.0	21.4	20.0	42.1	31.5	51.0	36.5	42.5	31.8
1830	17.7	19.1	17.9	18.9	18.2	19.0	18.2	19.1	18.3	19.1	18.3	18.9	18.2	19.0	18.2	19.1	18.3	19.1	18.3
1930	16.8	15.8	15.7	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5
2030	16.8	16.3	16.3	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
2130	14.5	13.3	13.3	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
2230	14.6	13.0	13.0	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
2330	9.6	6.3	6.3	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
Mean	14.7	22.8	18.4	17.2	15.8	19.0	16.8	22.3	18.6	24.4	19.8	25.1	20.2	25.4	20.4	23.4	19.2	19.5	17.1

* Greenwich Mean Time

Table 2.14(m) Air and corresponding sol-air temperatures: Southampton (Thorney Island) (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	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
0130	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
0230	6.4	3.1	3.1	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	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
0430	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
0530	5.8	2.6	2.5	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7	4.8	4.7
0630	7.3	6.4	5.3	7.7	7.0	7.8	7.1	7.9	7.2	7.9	7.1	7.7	7.0	7.8	7.1	7.9	7.2	7.9	7.1
0730	10.9	15.5	12.0	12.6	11.4	27.6	19.7	44.2	28.9	42.1	27.7	22.7	16.9	12.6	11.4	12.6	11.4	12.6	11.4
0830	14.2	24.2	18.2	17.4	15.5	25.9	20.2	48.9	33.0	53.1	35.3	36.1	25.9	17.4	15.5	17.4	15.5	17.4	15.5
0930	16.8	30.7	23.0	21.2	18.7	21.2	18.7	45.2	32.1	55.9	38.0	45.8	32.4	20.9	18.6	21.2	18.7	21.2	18.7
1030	18.6	36.0	26.8	23.8	21.0	23.8	21.0	39.3	29.6	57.0	39.4	54.6	38.1	33.6	26.4	23.8	21.0	23.8	21.0
1130	19.8	39.6	29.3	25.3	22.4	25.3	22.4	29.8	24.8	54.0	38.3	60.8	42.1	46.1	33.9	25.3	22.4	25.3	22.4
1230	20.0	40.4	29.8	25.5	22.6	25.5	22.6	25.5	22.6	46.1	34.0	62.4	43.0	56.3	39.7	31.5	25.9	25.5	22.6
1330	19.4	38.1	28.3	24.5	21.7	24.5	21.7	24.5	21.7	34.2	27.1	58.5	40.6	62.2	42.7	43.1	32.1	24.5	21.7
1430	19.4	34.8	26.5	23.6	21.2	23.6	21.2	23.6	21.2	23.6	21.2	52.4	37.3	65.5	44.5	53.4	37.8	23.2	21.0
1530	19.0	29.7	23.5	21.9	20.1	21.9	20.1	21.9	20.1	21.9	20.1	43.2	31.9	64.1	43.5	59.9	41.2	33.0	26.3
1630	17.9	23.0	19.2	19.3	18.2	19.3	18.2	19.3	18.2	19.3	18.2	31.4	24.9	57.2	39.2	60.5	41.1	39.5	29.4
1730	16.2	15.9	14.6	16.2	15.7	16.4	15.8	16.6	15.9	16.4	15.8	16.2	15.7	16.4	15.8	16.6	15.9	16.4	15.8
1830	14.3	11.2	11.1	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
1930	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
2030	10.7	7.4	7.4	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
2130	9.2	5.9	5.9	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	8.1
2230	8.8	5.5	5.5	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
2330	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
Mean	12.6	16.5	13.3	13.7	12.7	14.7	13.2	18.2	15.2	21.7	17.1	24.2	18.5	22.9	17.8	19.3	15.8	15.0	13.4

* 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	9.6	6.3	6.3	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	8.2	4.9	4.9	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
0230	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
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	5.5	2.2	2.2	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
0530	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
0630	3.4	0.3	0.2	2.5	2.4	2.5	2.4	2.5	2.4	2.5	2.4	2.5	2.4	2.5	2.4	2.5	2.4	2.5	2.4
0730	7.4	7.0	5.7	8.2	7.3	8.2	7.3	8.4	7.4	8.4	7.5	8.2	7.3	8.2	7.3	8.4	7.4	8.4	7.5
0830	11.6	15.8	12.4	13.4	12.1	16.2	13.7	36.5	24.9	43.1	28.6	32.3	22.6	13.4	12.1	13.4	12.1	13.4	12.1
0930	13.7	22.0	16.8	16.6	14.8	16.6	14.8	36.9	26.1	50.4	33.6	43.9	30.0	21.2	17.4	16.6	14.8	16.6	14.8
1030	14.8	26.2	19.6	18.4	16.3	18.4	16.3	31.5	23.6	52.1	35.0	52.6	35.3	32.7	24.3	18.4	16.3	18.4	16.3
1130	15.5	28.5	21.2	19.5	17.2	19.5	17.2	22.1	18.7	48.4	33.3	57.3	38.2	43.6	30.6	19.5	17.2	19.5	17.2
1230	15.5	28.8	21.4	19.3	17.1	19.3	17.1	19.3	17.1	41.4	29.4	59.3	39.3	53.3	36.0	26.9	21.3	19.3	17.1
1330	15.5	27.4	20.8	18.9	16.9	18.9	16.9	18.9	16.9	31.0	23.7	56.2	37.7	59.1	39.3	38.0	27.6	18.9	16.9
1430	16.3	27.5	21.3	19.2	17.5	19.2	17.5	19.2	17.5	20.9	18.5	59.3	39.8	73.7	47.8	55.6	37.8	19.2	17.5
1530	14.8	22.4	18.5	16.8	15.7	16.8	15.7	16.8	15.7	16.8	15.7	49.1	33.6	73.4	47.2	64.3	42.1	27.0	21.4
1630	14.0	13.4	12.3	13.9	13.5	14.1	13.6	14.1	13.6	13.9	13.5	13.9	13.5	14.1	13.6	14.1	13.6	13.9	13.5
1730	10.8	7.9	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	9.7
1830	8.8	5.5	5.5	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
1930	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
2030	6.6	3.3	3.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2130	5.5	2.2	2.2	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
2230	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
2330	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
Mean	9.9	11.3	9.3	10.3	9.6	10.4	9.7	12.8	11.0	17.1	13.4	21.4	15.8	19.8	14.9	14.9	12.2	10.7	9.9

* Greenwich Mean Time

Table 2.14(m) Air and corresponding sol-air temperatures: Southampton (Thorney Island) (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	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
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	6.7	3.4	3.4	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
0330	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
0430	3.2	0.2	0.2	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	2.2
0530	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
0630	2.3	-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
0730	4.5	1.8	1.5	3.7	3.5	3.7	3.5	3.7	3.6	3.7	3.6	3.7	3.5	3.7	3.5	3.7	3.6	3.7	3.6
0830	8.0	8.2	6.6	8.8	8.0	8.6	7.9	8.9	8.0	9.1	8.1	8.8	8.0	8.6	7.9	8.9	8.0	9.1	8.1
0930	11.4	15.1	12.0	12.7	11.6	12.7	11.6	32.2	22.4	47.4	30.9	42.2	28.0	19.6	15.5	12.7	11.6	12.7	11.6
1030	13.4	19.9	15.5	15.5	14.0	15.5	14.0	28.1	21.0	50.1	33.3	51.6	34.1	31.8	23.1	15.5	14.0	15.5	14.0
1130	13.7	21.8	16.7	16.2	14.6	16.2	14.6	19.2	16.2	47.2	31.8	56.7	37.1	42.3	29.1	16.2	14.6	16.2	14.6
1230	13.7	21.6	16.6	16.1	14.6	16.1	14.6	16.1	14.6	39.5	27.5	56.7	37.1	49.8	33.3	22.9	18.3	16.1	14.6
1330	12.9	19.4	15.0	14.9	13.5	14.9	13.5	14.9	13.5	29.6	21.7	53.9	35.2	55.1	35.8	32.4	23.2	14.9	13.5
1430	12.0	15.4	12.4	13.0	12.1	13.0	12.1	13.0	12.1	18.0	14.8	47.4	31.2	56.5	36.2	40.0	27.0	13.0	12.1
1530	10.9	10.8	9.3	11.9	10.9	12.2	11.1	12.0	11.0	11.6	10.8	11.9	10.9	12.2	11.1	12.0	11.0	11.6	10.8
1630	9.0	6.1	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	7.9
1730	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
1830	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
1930	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
2030	6.4	3.1	3.1	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
2130	6.7	3.4	3.4	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
2230	6.7	3.4	3.4	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
2330	10.4	7.1	7.1	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
Mean	8.3	7.7	6.5	8.1	7.7	8.1	7.7	9.6	8.5	14.1	11.0	17.3	12.8	15.1	11.5	10.2	8.9	8.1	7.7

* 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	5.7	5.2	5.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
0130	4.9	4.0	4.0	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
0230	4.0	2.4	2.4	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
0330	3.9	1.6	1.6	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
0430	4.3	3.1	3.1	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
0530	4.2	3.7	3.7	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
0630	3.2	2.3	2.3	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
0730	1.3	-1.7	-1.7	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
0830	1.5	-1.2	-1.5	0.9	0.7	0.9	0.7	0.9	0.7	0.9	0.7	0.9	0.7	0.9	0.7	0.9	0.7	0.9	0.7
0930	2.6	3.1	1.4	3.2	2.4	3.2	2.4	15.5	9.2	24.2	14.1	20.8	12.2	7.1	4.6	3.2	2.4	3.2	2.4
1030	3.4	7.1	4.0	4.7	3.6	4.7	3.6	17.5	10.8	37.0	21.6	37.4	21.8	18.6	11.3	4.7	3.6	4.7	3.6
1130	4.5	9.7	5.9	6.3	5.0	6.3	5.0	10.8	7.5	34.9	20.9	42.1	24.9	28.1	17.1	6.3	5.0	6.3	5.0
1230	5.3	10.8	6.9	7.1	5.8	7.1	5.8	7.1	5.8	30.9	19.0	45.5	27.1	37.3	22.6	11.3	8.1	7.1	5.8
1330	5.6	10.3	6.7	7.0	5.9	7.0	5.9	7.0	5.9	24.3	15.5	46.7	27.9	45.6	27.3	21.8	14.1	7.0	5.9
1430	5.2	7.8	5.1	6.0	5.1	6.0	5.1	6.0	5.1	14.7	10.0	45.0	26.8	52.2	30.8	32.2	19.7	6.0	5.1
1530	4.1	3.3	2.2	5.3	4.2	5.3	4.2	5.3	4.2	5.3	4.2	5.3	4.2	5.3	4.2	5.3	4.2	5.3	4.2
1630	3.2	0.0	-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
1730	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
1830	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
1930	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
2030	1.1	-2.2	-2.2	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
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	0.7	-2.6	-2.6	-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
2330	5.7	5.2	5.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Mean	3.4	2.7	1.9	3.2	2.9	3.2	2.9	4.5	3.6	8.7	6.0	11.7	7.6	9.7	6.5	5.1	4.0	3.2	2.9

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