

**Table 2.9(a)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Belfast (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total	
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26		
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-1.9 to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0.1 to 2	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0.01	
2.1 to 4	0	0	0.01	0.13	0	0	0	0	0	0	0	0	0	0	0	0.15	
4.1 to 6	0	0	0	0.12	0.56	0	0	0	0	0	0	0	0	0	0	0.67	
6.1 to 8	0	0	0	0	0.56	1.67	0	0	0	0	0	0	0	0	0	2.23	
8.1 to 10	0	0	0	0	0.02	2.46	4.78	0	0	0	0	0	0	0	0	7.27	
10.1 to 12	0	0	0	0	0.00	0.45	8.09	9.39	0	0	0	0	0	0	0	17.93	
12.1 to 14	0	0	0	0	0	0.03	1.89	13.84	9.67	0	0	0	0	0	0	25.43	
14.1 to 16	0	0	0	0	0	0.00	0.21	4.13	12.74	5.66	0	0	0	0	0	22.74	
16.1 to 18	0	0	0	0	0	0	0.00	0.47	4.78	6.58	1.8	0	0	0	0	13.64	
18.1 to 20	0	0	0	0	0	0	0	0.03	0.74	2.94	2.2	0.18	0	0	0	6.09	
20.1 to 22	0	0	0	0	0	0	0	0.00	0.05	0.68	1.31	0.39	0.00	0	0	2.44	
22.1 to 24	0	0	0	0	0	0	0	0	0.01	0.14	0.51	0.31	0.03	0	0	1.00	
24.1 to 26	0	0	0	0	0	0	0	0	0	0.01	0.09	0.17	0.04	0.00	0	0.31	
26.1 to 28	0	0	0	0	0	0	0	0	0	0	0.01	0.05	0.02	0	0	0.08	
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0	0.01	
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total:	0	0	0.02	0.25	1.14	4.61	14.97	27.87	27.99	16.02	5.93	1.10	0.09	0.00	0	100	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(b)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Birmingham (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 2	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.05
2.1 to 4	0	0	0.00	0.16	0	0	0	0	0	0	0	0	0	0	0	0.16
4.1 to 6	0	0	0	0.06	0.51	0	0	0	0	0	0	0	0	0	0	0.58
6.1 to 8	0	0	0	0	0.42	1.57	0	0	0	0	0	0	0	0	0	1.99
8.1 to 10	0	0	0	0	0.04	1.88	3.7	0	0	0	0	0	0	0	0	5.62
10.1 to 12	0	0	0	0	0.00	0.39	5.51	6.56	0	0	0	0	0	0	0	12.46
12.1 to 14	0	0	0	0	0	0.09	1.93	10.1	7.79	0	0	0	0	0	0	19.91
14.1 to 16	0	0	0	0	0	0.00	0.51	4.18	10.53	4.98	0	0	0	0	0	20.21
16.1 to 18	0	0	0	0	0	0	0.04	1.37	5.83	6.87	2.05	0	0	0	0	16.16
18.1 to 20	0	0	0	0	0	0	0	0.19	2.43	4.56	2.89	0.28	0	0	0	10.35
20.1 to 22	0	0	0	0	0	0	0	0.00	0.45	2.29	2.58	0.76	0.01	0	0	6.09
22.1 to 24	0	0	0	0	0	0	0	0	0.05	0.68	1.56	1.02	0.07	0	0	3.38
24.1 to 26	0	0	0	0	0	0	0	0	0.01	0.17	0.61	0.77	0.18	0.00	0	1.75
26.1 to 28	0	0	0	0	0	0	0	0	0.00	0.02	0.19	0.38	0.21	0.02	0	0.82
28.1 to 30	0	0	0	0	0	0	0	0	0	0.01	0.06	0.15	0.10	0.02	0.01	0.34
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0.02	0.04	0.03	0.01	0	0.10
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0	0.02
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.00	0	0.01
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0.00	0.05	0.22	0.97	3.94	11.69	22.41	27.09	19.58	9.96	3.43	0.6	0.05	0.01	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(c)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Cardiff (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.1 to 4	0	0	0.00	0.02	0	0	0	0	0	0	0	0	0	0	0	0.02
4.1 to 6	0	0	0	0.04	0.20	0	0	0	0	0	0	0	0	0	0	0.24
6.1 to 8	0	0	0	0	0.29	0.80	0	0	0	0	0	0	0	0	0	1.09
8.1 to 10	0	0	0	0	0.01	1.34	2.11	0	0	0	0	0	0	0	0	3.45
10.1 to 12	0	0	0	0	0	0.17	3.87	4.61	0	0	0	0	0	0	0	8.66
12.1 to 14	0	0	0	0	0	0.03	1.19	9.69	8.41	0	0	0	0	0	0	19.33
14.1 to 16	0	0	0	0	0	0.00	0.20	3.43	14.98	9.27	0	0	0	0	0	27.89
16.1 to 18	0	0	0	0	0	0	0.01	0.60	5.53	11.45	4.31	0	0	0	0	21.91
18.1 to 20	0	0	0	0	0	0	0	0.06	1.11	4.24	4.12	0.42	0	0	0	9.96
20.1 to 22	0	0	0	0	0	0	0	0.00	0.12	1.09	2.19	0.73	0.02	0	0	4.15
22.1 to 24	0	0	0	0	0	0	0	0	0.02	0.28	0.85	0.74	0.06	0.00	0	1.96
24.1 to 26	0	0	0	0	0	0	0	0	0.00	0.05	0.28	0.37	0.13	0.01	0	0.84
26.1 to 28	0	0	0	0	0	0	0	0	0	0.01	0.07	0.19	0.08	0.00	0	0.35
28.1 to 30	0	0	0	0	0	0	0	0	0	0.00	0.02	0.06	0.04	0.00	0	0.12
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.00	0	0.02
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0.00
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0	0.00	0.06	0.5	2.34	7.39	18.4	30.18	26.39	11.86	2.52	0.35	0.02	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(d)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Edinburgh (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
0.1 to 2	0	0.01	0.09	0	0	0	0	0	0	0	0	0	0	0	0	0.1
2.1 to 4	0	0	0.04	0.27	0	0	0	0	0	0	0	0	0	0	0	0.31
4.1 to 6	0	0	0	0.17	0.9	0	0	0	0	0	0	0	0	0	0	1.07
6.1 to 8	0	0	0	0.00	0.78	2.32	0	0	0	0	0	0	0	0	0	3.1
8.1 to 10	0	0	0	0	0.06	3.20	5.14	0	0	0	0	0	0	0	0	8.41
10.1 to 12	0	0	0	0	0.00	0.62	8.58	8.88	0	0	0	0	0	0	0	18.08
12.1 to 14	0	0	0	0	0	0.05	2.45	13.04	8.36	0	0	0	0	0	0	23.9
14.1 to 16	0	0	0	0	0	0	0.47	5.17	10.9	4.09	0	0	0	0	0	20.62
16.1 to 18	0	0	0	0	0	0	0.01	1.28	5.65	5.76	1.01	0	0	0	0	13.71
18.1 to 20	0	0	0	0	0	0	0.00	0.07	1.48	3.22	1.86	0.06	0	0	0	6.7
20.1 to 22	0	0	0	0	0	0	0	0.01	0.12	0.95	1.28	0.25	0.00	0	0	2.61
22.1 to 24	0	0	0	0	0	0	0	0.00	0.02	0.15	0.43	0.36	0.01	0	0	0.96
24.1 to 26	0	0	0	0	0	0	0	0	0.01	0.01	0.11	0.15	0.05	0	0	0.33
26.1 to 28	0	0	0	0	0	0	0	0	0	0	0.01	0.03	0.02	0	0	0.07
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.00	0.02	0.01	0	0	0.03
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0.02	0.01	0.12	0.45	1.74	6.2	16.65	28.45	26.53	14.17	4.7	0.88	0.09	0	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(e)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Glasgow (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
-1.9 to 0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
0.1 to 2	0	0.00	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0.16
2.1 to 4	0	0	0.05	0.36	0	0	0	0	0	0	0	0	0	0	0	0.41
4.1 to 6	0	0	0	0.18	0.86	0	0	0	0	0	0	0	0	0	0	1.04
6.1 to 8	0	0	0	0.00	0.68	2.34	0	0	0	0	0	0	0	0	0	3.02
8.1 to 10	0	0	0	0	0.05	2.96	5.33	0	0	0	0	0	0	0	0	8.34
10.1 to 12	0	0	0	0	0.00	0.44	8.01	9.62	0	0	0	0	0	0	0	18.08
12.1 to 14	0	0	0	0	0	0.07	2.01	13.24	9.4	0	0	0	0	0	0	24.72
14.1 to 16	0	0	0	0	0	0	0.37	4.22	11.79	5.02	0	0	0	0	0	21.4
16.1 to 18	0	0	0	0	0	0	0.01	0.81	4.92	5.54	1.29	0	0	0	0	12.57
18.1 to 20	0	0	0	0	0	0	0.00	0.04	1	2.93	1.67	0.11	0	0	0	5.74
20.1 to 22	0	0	0	0	0	0	0	0.00	0.1	0.85	1.26	0.29	0.00	0	0	2.51
22.1 to 24	0	0	0	0	0	0	0	0	0.03	0.14	0.59	0.42	0.03	0.00	0	1.21
24.1 to 26	0	0	0	0	0	0	0	0	0	0.03	0.16	0.28	0.09	0.00	0	0.56
26.1 to 28	0	0	0	0	0	0	0	0	0	0	0.03	0.09	0.07	0.01	0	0.2
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.00	0	0.03
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0.03	0.2	0.55	1.6	5.81	15.72	27.93	27.24	14.5	5.01	1.2	0.2	0.02	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(f)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Leeds (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 2	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2.1 to 4	0	0	0.00	0.06	0	0	0	0	0	0	0	0	0	0	0	0.06
4.1 to 6	0	0	0.05	0.25	0	0	0	0	0	0	0	0	0	0	0	0.31
6.1 to 8	0	0	0	0.39	0.96	0	0	0	0	0	0	0	0	0	0	1.35
8.1 to 10	0	0	0	0	0.04	2	2.68	0	0	0	0	0	0	0	0	4.73
10.1 to 12	0	0	0	0	0.00	0.37	5.97	5.63	0	0	0	0	0	0	0	11.98
12.1 to 14	0	0	0	0	0	0.06	1.96	11.16	6.4	0	0	0	0	0	0	19.58
14.1 to 16	0	0	0	0	0	0.00	0.51	5.21	11.48	4	0	0	0	0	0	21.2
16.1 to 18	0	0	0	0	0	0	0.03	1.96	6.96	7.21	1.43	0	0	0	0	17.59
18.1 to 20	0	0	0	0	0	0	0	0.19	3.07	5.01	2.68	0.21	0	0	0	11.17
20.1 to 22	0	0	0	0	0	0	0	0.00	0.59	2.65	2.4	0.51	0.01	0	0	6.16
22.1 to 24	0	0	0	0	0	0	0	0	0.04	0.77	1.59	0.76	0.02	0	0	3.18
24.1 to 26	0	0	0	0	0	0	0	0	0.01	0.12	0.66	0.74	0.1	0	0	1.63
26.1 to 28	0	0	0	0	0	0	0	0	0	0.01	0.16	0.4	0.15	0.00	0	0.72
28.1 to 30	0	0	0	0	0	0	0	0	0	0.00	0.04	0.19	0.05	0.00	0	0.28
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0.00	0.04	0.01	0	0	0.05
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.01	0.00	0	0	0.02
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0	0.00	0.11	0.69	3.4	11.16	24.16	28.54	19.76	8.96	2.87	0.35	0.01	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(g)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: London (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.1 to 4	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0.00
4.1 to 6	0	0	0	0.01	0.11	0	0	0	0	0	0	0	0	0	0	0.12
6.1 to 8	0	0	0	0	0.18	0.48	0	0	0	0	0	0	0	0	0	0.66
8.1 to 10	0	0	0	0	0.01	0.94	1.37	0	0	0	0	0	0	0	0	2.31
10.1 to 12	0	0	0	0	0	0.19	3.43	3.31	0	0	0	0	0	0	0	6.92
12.1 to 14	0	0	0	0	0	0.03	1.16	8.09	5.02	0	0	0	0	0	0	14.3
14.1 to 16	0	0	0	0	0	0.00	0.35	3.61	10.98	4.86	0	0	0	0	0	19.8
16.1 to 18	0	0	0	0	0	0	0.03	1.65	6.26	9.5	2.09	0	0	0	0	19.54
18.1 to 20	0	0	0	0	0	0	0.00	0.25	3.57	6.08	4.59	0.36	0	0	0	14.86
20.1 to 22	0	0	0	0	0	0	0	0.01	1	3.88	3.55	1.06	0.01	0	0	9.51
22.1 to 24	0	0	0	0	0	0	0	0	0.08	1.41	2.77	1.39	0.08	0	0	5.73
24.1 to 26	0	0	0	0	0	0	0	0	0.01	0.31	1.46	1.34	0.21	0	0	3.32
26.1 to 28	0	0	0	0	0	0	0	0	0	0.04	0.48	0.88	0.34	0.00	0	1.75
28.1 to 30	0	0	0	0	0	0	0	0	0	0.01	0.11	0.36	0.3	0.01	0	0.78
30.1 to 32	0	0	0	0	0	0	0	0	0	0.00	0.01	0.12	0.17	0.02	0	0.32
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.00	0.05	0.01	0	0.06
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0.00	0	0.02
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0.00
Total:	0	0	0	0.01	0.3	1.64	6.34	16.93	26.91	26.09	15.06	5.51	1.17	0.04	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(h)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Manchester (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
0.1 to 2	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0.02
2.1 to 4	0	0	0.01	0.15	0	0	0	0	0	0	0	0	0	0	0	0.15
4.1 to 6	0	0	0	0.06	0.4	0	0	0	0	0	0	0	0	0	0	0.46
6.1 to 8	0	0	0	0	0.4	1.39	0	0	0	0	0	0	0	0	0	1.79
8.1 to 10	0	0	0	0	0.03	1.86	3.5	0	0	0	0	0	0	0	0	5.39
10.1 to 12	0	0	0	0	0.01	0.46	6.08	6.83	0	0	0	0	0	0	0	13.37
12.1 to 14	0	0	0	0	0	0.08	2.16	11.68	7.75	0	0	0	0	0	0	21.68
14.1 to 16	0	0	0	0	0	0.00	0.46	5	11.91	4.84	0	0	0	0	0	22.22
16.1 to 18	0	0	0	0	0	0	0.01	1.36	6.13	7.09	1.74	0	0	0	0	16.34
18.1 to 20	0	0	0	0	0	0	0.00	0.05	1.88	4.07	2.74	0.22	0	0	0	8.96
20.1 to 22	0	0	0	0	0	0	0	0.01	0.24	1.8	2.25	0.59	0.01	0	0	4.91
22.1 to 24	0	0	0	0	0	0	0	0.00	0.03	0.48	1.25	0.75	0.05	0.00	0	2.56
24.1 to 26	0	0	0	0	0	0	0	0	0.01	0.08	0.49	0.61	0.11	0.00	0	1.31
26.1 to 28	0	0	0	0	0	0	0	0	0	0.01	0.16	0.32	0.11	0.01	0	0.6
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.02	0.14	0.03	0.00	0	0.19
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0.00	0.02	0.01	0.01	0	0.04
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0.01
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0.00	0.03	0.21	0.84	3.79	12.21	24.94	27.95	18.37	8.65	2.66	0.32	0.02	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(i)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Newcastle (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 20	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0
2.1 to 40	0	0.00	0.08	0	0	0	0	0	0	0	0	0	0	0	0.09	0
4.1 to 60	0	0	0.11	0.56	0	0	0	0	0	0	0	0	0	0	0.67	0
6.1 to 80	0	0	0	0.61	1.6	0	0	0	0	0	0	0	0	0	2.21	0
8.1 to 10	0	0	0	0	0.13	3.29	4.4	0	0	0	0	0	0	0	0	7.81
10.1 to 12	0	0	0	0	0.01	0.87	9.16	7.61	0	0.01	0	0	0	0	0	17.66
12.1 to 14	0	0	0	0	0	0.09	3.09	13.33	6.92	0.01	0	0	0	0	0	23.44
14.1 to 16	0	0	0	0	0	0.00	0.62	6.08	10.53	3.72	0	0	0	0	0	20.94
16.1 to 18	0	0	0	0	0	0	0.05	1.72	6.02	5.78	1.03	0	0	0	0	14.60
18.1 to 20	0	0	0	0	0	0	0.00	0.12	1.75	3.53	1.81	0.08	0	0	0	7.28
20.1 to 22	0	0	0	0	0	0	0	0.00	0.23	1.27	1.55	0.26	0.00	0	0	3.31
22.1 to 24	0	0	0	0	0	0	0	0	0.02	0.21	0.75	0.38	0.01	0	0	1.39
24.1 to 26	0	0	0	0	0	0	0	0	0.00	0.02	0.19	0.19	0.02	0.00	0	0.42
26.1 to 28	0	0	0	0	0	0	0	0	0	0.01	0.03	0.09	0.01	0.00	0	0.15
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0.00	0	0	0.02
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0	0	0	0.01
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0.00
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0	0.01	0.19	1.3	5.85	17.33	28.86	25.48	14.55	5.37	1.02	0.05	0.00	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(j)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Norwich (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
0.1 to 2	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0.02
2.1 to 4	0	0	0.00	0.13	0	0	0	0	0	0	0	0	0	0	0	0.13
4.1 to 6	0	0	0	0.07	0.62	0	0	0	0	0	0	0	0	0	0	0.68
6.1 to 8	0	0	0	0	0.3	1.63	0	0	0	0	0	0	0	0	0	1.93
8.1 to 10	0	0	0	0	0.01	1.46	4.03	0	0	0	0	0	0	0	0	5.5
10.1 to 12	0	0	0	0	0	0.13	4.46	7.16	0	0	0	0	0	0	0	11.74
12.1 to 14	0	0	0	0	0	0.02	0.89	8.71	8.21	0	0	0	0	0	0	17.84
14.1 to 16	0	0	0	0	0	0	0.12	3.07	10.29	6.4	0	0	0	0	0	19.89
16.1 to 18	0	0	0	0	0	0	0.00	0.8	5.4	8.01	2.43	0	0	0	0	16.65
18.1 to 20	0	0	0	0	0	0	0	0.05	2.02	5.08	3.57	0.38	0	0	0	11.09
20.1 to 22	0	0	0	0	0	0	0	0	0.22	2.56	3.05	0.98	0.02	0	0	6.84
22.1 to 24	0	0	0	0	0	0	0	0	0.01	0.59	1.93	1.41	0.1	0	0	4.04
24.1 to 26	0	0	0	0	0	0	0	0	0	0.04	0.74	1	0.31	0.00	0	2.09
26.1 to 28	0	0	0	0	0	0	0	0	0	0.00	0.15	0.55	0.31	0.02	0.00	1.03
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.03	0.18	0.17	0.02	0	0.4
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0.01	0.02	0.06	0.01	0	0.1
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.00	0	0.02
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0.00
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0.00	0.03	0.19	0.92	3.24	9.51	19.79	26.15	22.68	11.91	4.52	0.99	0.06	0.00	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(k)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Nottingham (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.1 to 4	0	0	0.01	0.03	0	0	0	0	0	0	0	0	0	0	0	0.04
4.1 to 6	0	0	0	0.05	0.4	0	0	0	0	0	0	0	0	0	0	0.45
6.1 to 8	0	0	0	0.00	0.53	1.55	0	0	0	0	0	0	0	0	0	2.07
8.1 to 10	0	0	0	0	0.03	2.22	4.27	0	0	0	0	0	0	0	0	6.52
10.1 to 12	0	0	0	0	0	0.39	6.31	7.77	0	0	0	0	0	0	0	14.47
12.1 to 14	0	0	0	0	0	0.07	1.85	10.35	8.27	0	0	0	0	0	0	20.53
14.1 to 16	0	0	0	0	0	0.00	0.36	4.42	10.09	5.02	0	0	0	0	0	19.9
16.1 to 18	0	0	0	0	0	0	0.02	1.33	5.67	6.37	1.88	0	0	0	0	15.27
18.1 to 20	0	0	0	0	0	0	0	0.13	2.27	4.18	2.6	0.31	0	0	0	9.49
20.1 to 22	0	0	0	0	0	0	0	0.00	0.36	1.98	2.54	0.66	0.02	0	0	5.56
22.1 to 24	0	0	0	0	0	0	0	0	0.03	0.51	1.52	0.85	0.07	0	0	2.99
24.1 to 26	0	0	0	0	0	0	0	0	0	0.09	0.55	0.74	0.16	0.00	0	1.55
26.1 to 28	0	0	0	0	0	0	0	0	0	0.01	0.16	0.4	0.21	0.01	0	0.79
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.04	0.1	0.1	0.03	0	0.26
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0.05	0.03	0.01	0.00	0.09
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0	0	0.01
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0.00
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0	0.01	0.09	0.96	4.23	12.8	24	26.71	18.15	9.3	3.1	0.61	0.05	0.00	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(l)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Plymouth (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 to 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.1 to 4	0	0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0.00
4.1 to 6	0	0	0	0.00	0.1	0	0	0	0	0	0	0	0	0	0	0.1
6.1 to 8	0	0	0	0	0.11	0.55	0	0	0	0	0	0	0	0	0	0.66
8.1 to 10	0	0	0	0	0.00	0.66	2.04	0	0	0	0	0	0	0	0	2.7
10.1 to 12	0	0	0	0	0	0.07	2.8	4.93	0	0	0	0	0	0	0	7.8
12.1 to 14	0	0	0	0	0	0.01	0.68	8.18	10.88	0	0	0	0	0	0	19.75
14.1 to 16	0	0	0	0	0	0	0.13	2.56	14.24	13.72	0	0	0	0	0	30.65
16.1 to 18	0	0	0	0	0	0	0.00	0.5	4.36	11.53	5.55	0	0	0	0	21.94
18.1 to 20	0	0	0	0	0	0	0	0.02	0.94	3.91	4.93	0.4	0	0	0	10.2
20.1 to 22	0	0	0	0	0	0	0	0.00	0.1	0.94	2	0.8	0.00	0	0	3.84
22.1 to 24	0	0	0	0	0	0	0	0	0.02	0.16	0.74	0.6	0.06	0.00	0	1.58
24.1 to 26	0	0	0	0	0	0	0	0	0.00	0.02	0.14	0.29	0.08	0.01	0	0.54
26.1 to 28	0	0	0	0	0	0	0	0	0	0	0.01	0.11	0.03	0.03	0.00	0.18
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.00	0.01	0.03
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0	0	0.01
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0	0	0.00	0.21	1.29	5.65	16.2	30.54	30.28	13.38	2.21	0.19	0.04	0.01	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(m)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Southampton (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01
0.1 to 2	0	0.00	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0.07
2.1 to 4	0	0	0.02	0.32	0	0	0	0	0	0	0	0	0	0	0	0.34
4.1 to 6	0	0	0	0.11	0.89	0	0	0	0	0	0	0	0	0	0	1
6.1 to 8	0	0	0	0	0.35	2.11	0	0	0	0	0	0	0	0	0	2.46
8.1 to 10	0	0	0	0	0.01	1.23	3.79	0	0	0	0	0	0	0	0	5.02
10.1 to 12	0	0	0	0	0	0.06	3.17	5.62	0	0	0	0	0	0	0	8.85
12.1 to 14	0	0	0	0	0	0.01	0.61	6.48	7.57	0	0	0	0	0	0	14.66
14.1 to 16	0	0	0	0	0	0.00	0.18	2.31	10.53	7.78	0	0	0	0	0	20.8
16.1 to 18	0	0	0	0	0	0	0.01	0.82	4.95	10.51	4.18	0	0	0	0	20.47
18.1 to 20	0	0	0	0	0	0	0	0.08	1.89	5.63	4.74	0.47	0	0	0	12.81
20.1 to 22	0	0	0	0	0	0	0	0.01	0.27	2.13	3.64	1.05	0.02	0	0	7.12
22.1 to 24	0	0	0	0	0	0	0	0.00	0.01	0.52	1.81	1.3	0.14	0.00	0	3.79
24.1 to 26	0	0	0	0	0	0	0	0	0	0.08	0.46	0.83	0.24	0.01	0	1.62
26.1 to 28	0	0	0	0	0	0	0	0	0	0.01	0.1	0.32	0.2	0.03	0	0.65
28.1 to 30	0	0	0	0	0	0	0	0	0	0	0.01	0.09	0.12	0.03	0.00	0.24
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0	0.01	0.04	0.01	0	0.06
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0	0.00	0.02
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0.01	0.09	0.43	1.25	3.41	7.75	15.31	25.22	26.66	14.95	4.07	0.78	0.07	0	100

Note: 0.00 indicates a value <0.005% but >0

**Table 2.9(n)** Percentage frequency of combinations of hourly dry bulb and wet bulb temperatures for June to September: Swindon (1982–2011)

Dry bulb temp. / °C	Percentage frequency for stated wet bulb temperature range / °C															Total
	-3.9 to -2	-1.9 to 0	0.1 to 2	2.1 to 4	4.1 to 6	6.1 to 8	8.1 to 10	10.1 to 12	12.1 to 14	14.1 to 16	16.1 to 18	18.1 to 20	20.1 to 22	22.1 to 24	24.1 to 26	
-3.9 to -2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.9 to 0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
0.1 to 2	0	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2.1 to 4	0	0	0.01	0.07	0	0	0	0	0	0	0	0	0	0	0	0.08
4.1 to 6	0	0	0	0.08	0.44	0	0	0	0	0	0	0	0	0	0	0.52
6.1 to 8	0	0	0	0	0.46	1.22	0	0	0	0	0	0	0	0	0	1.69
8.1 to 10	0	0	0	0	0.03	1.91	3.14	0	0	0	0	0	0	0	0	5.08
10.1 to 12	0	0	0	0	0.00	0.29	4.92	5.72	0	0	0	0	0	0	0	10.94
12.1 to 14	0	0	0	0	0	0.06	1.5	9.33	6.8	0	0	0	0	0	0	17.69
14.1 to 16	0	0	0	0	0	0.00	0.55	3.96	10.89	5.01	0	0	0	0	0	20.42
16.1 to 18	0	0	0	0	0	0	0.03	1.79	6.16	7.45	1.98	0	0	0	0	17.41
18.1 to 20	0	0	0	0	0	0	0	0.26	3.16	5.01	3	0.26	0	0	0	11.69
20.1 to 22	0	0	0	0	0	0	0	0.01	0.63	2.98	2.52	0.61	0.00	0	0	6.76
22.1 to 24	0	0	0	0	0	0	0	0	0.07	1	1.95	0.88	0.04	0	0	3.94
24.1 to 26	0	0	0	0	0	0	0	0	0.01	0.2	0.94	0.83	0.11	0.00	0	2.1
26.1 to 28	0	0	0	0	0	0	0	0	0	0.04	0.27	0.55	0.19	0.01	0	1.06
28.1 to 30	0	0	0	0	0	0	0	0	0	0.01	0.12	0.19	0.14	0.02	0	0.47
30.1 to 32	0	0	0	0	0	0	0	0	0	0	0.02	0.07	0.04	0.00	0	0.13
32.1 to 34	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.02
34.1 to 36	0	0	0	0	0	0	0	0	0	0	0	0.00	0.01	0	0	0.01
36.1 to 38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0	0.00	0.02	0.15	0.94	3.49	10.15	21.07	27.72	21.71	10.79	3.39	0.54	0.03	0	100

Note: 0.00 indicates a value <0.005% but >0