DEWPOINT TABLE
Table (5.51)

(For use with marine screen)

Dry Bulb	Depression of Wet Bulb																									Dry Bulb
°C	0°	0·2°	0·4°	0·6°	0·8°	1·0°	1·2°	1·4°	1·6°	1·8°	2·0°	2·5°	3·0°	3·5°	4·0°	4·5°	5·0°	5·5°	6·0°	6·5°	7·0°	7·5°	8·0°	8·5°	9·0°	°C
40	40	40	40	39	39	39	39	38	38	38	38	37	36	36	35	34	34	33	32	32	31	30	29	29	28	40
39	39	39	39	38	38	38	38	37	37	37	37	36	35	35	34	33	33	32	31	31	30	29	28	28	27	39
38	38	38	38	37	37	37	37	36	36	36	35	35	34	34	33	32	32	31	30	29	29	28	27	26	26	38
37	37	37	37	36	36	36	36	35	35	35	34	34	33	32	32	31	30	30	29	28	28	27	26	25	24	37
36	36	36	35	35	35	35	34	34	34	34	33	33	32	31	31	30	29	29	28	27	26	26	25	24	23	36
35	35	35	34	34	34	34	33	33	33	33	32	32	31	30	30	29	28	28	27	26	25	24	24	23	22	35
34	34	34	33	33	33	33	32	32	32	32	31	31	30	29	29	28	27	26	26	25	24	23	22	22	21	34
33	33	33	32	32	32	32	31	31	31	31	30	30	29	28	28	27	26	25	25	24	23	22	21	20	19	33
32	32	32	31	31	31	31	30	30	30	30	29	29	28	27	26	26	25	24	23	23	22	21	20	19	18	32
31	31	31	30	30	30	30	29	29	29	29	28	28	27	26	25	25	24	23	22	21	21	20	19	18	17	31
30	30	30	29	29	29	29	28	28	28	28	27	27	26	25	24	24	23	22	21	20	19	18	19	17	16	30
29	29	29	28	28	28	28	27	27	27	27	26	25	25	24	23	22	22	21	20	19	18	17	16	15	14	29
28	28	28	27	27	27	27	26	26	26	25	25	24	24	23	22	21	20	20	19	18	17	16	15	14	13	28
27	27	27	27	26	26	26	25	25	25	24	24	23	23	22	21	20	19	18	18	17	16	15	14	13	11	27
26	26	26	25	25	25	25	24	24	24	23	23	22	22	21	20	19	18	17	16	15	14	13	12	11	10	26
25	25	25	24	24	24	24	23	23	23	22	22	21	20	20	19	18	17	16	15	14	13	12	11	10	8	25
24	24	24	23	23	23	23	22	22	22	21	21	20	19	19	18	17	16	15	14	13	12	11	9	8	7	24
23	23	23	22	22	22	21	21	21	21	20	20	19	18	17	17	16	15	14	13	12	10	9	8	7	5	23
22	22	22	21	21	21	20	20	20	20	19	19	18	17	16	15	14	13	12	11	10	9	8	6	5	3	22
21	21	21	20	20	20	19	19	19	18	18	18	17	16	15	14	13	12	11	10	9	8	6	5	3	1	21
20	20	20	19	19	19	18	18	18	17	17	17	16	15	14	13	12	11	10	9	7	6	5	3	1	0	20
19	19	19	18	18	18	17	17	17	16	16	16	15	14	13	12	11	10	9	7	6	4	3	1	0	−2	19
18	18	18	17	17	17	16	16	16	15	15	15	14	13	12	11	10	8	7	6	4	3	1	−0	−2	−5	18
17	17	17	16	16	16	15	15	15	14	14	14	13	12	11	9	8	7	6	4	3	1	−0	−3	−5	−7	17
16	16	16	15	15	15	14	14	14	13	13	12	11	10	9	8	7	6	4	3	1	0	−2	−5	−7	−10	16
15	15	15	14	14	14	13	13	12	12	12	11	10	9	8	7	6	4	3	1	0	−2	−5	−7	−10	−14	15
14	14	14	13	13	13	12	12	11	11	11	10	9	8	7	6	4	3	1	0	−2	−4	−7	−10	−13	−18	14
13	13	13	12	12	11	11	11	10	10	9	9	8	7	6	4	3	1	0	−2	−4	−7	−9	−13	−17	−23	13
12	12	12	11	11	10	10	10	9	9	8	8	7	6	4	3	1	0	−2	−4	−6	−9	−12	−16	−22	−33	12
11	11	11	10	10	9	9	9	8	8	7	7	6	4	3	1	0	−2	−4	−6	−8	−12	−15	−21	−30		11
10	10	10	9	9	8	8	8	7	7	6	6	4	3	2	0	−2	−3	−6	−8	−11	−15	−19	−27			10
9	9	9	8	8	7	7	6	6	5	5	4	3	2	0	−1	−3	−5	−8	−10	−14	−18					9
8	8	8	7	7	6	6	5	5	4	4	3	2	0	−1	−3	−5	−7	−10	−13	−17						8
7	7	7	6	6	5	5	4	4	3	3	2	1	−1	−3	−4	−7	−9	−12	−16							7
6	6	6	5	5	4	4	3	3	2	1	1	−0	−2	−4	−6	−9	−11	−15								6
5	5	5	4	4	3	2	2	1	1	0	0	−2	−4	−6	−8	−10	−14	−15								5
4	4	4	3	2	2	1	1	0	0	−1	−1	−3	−5	−7	−10	−11	−14	−18								4
3	3	3	2	1	1	0	0	−1	−2	−2	−3	−5	−7	−8	−11	−14	−17									3
2	2	2	1	0	0	−1	−1	−2	−3	−3	−4	−5	−8	−10	−13	−16										2
1	1	1	0	−1	−1	−2	−2	−3	−4	−4	−5	−7	−9	−12	−15	−19										1
0	0	−1	−1	−2	−2	−3	−4	−4	−5	−6	−7	−9	−11	−14	−18											0
−1	−1	−2	−2	−3	−4	−4	−5	−6	−6	−7	−8	−10	−13	−17												
−2	−2	−3	−4	−4	−5	−6	−6	−7	−8	−9	−10	−12	−15	−19												
−3	−3	−4	−5	−5	−6	−7	−8	−9	−9	−10	−11	−14	−18													
−4	−5	−5	−6	−7	−7	−8	−9	−10	−11	−12	−13	−16														
−5	−6	−6	−7	−8	−9	−10	−10	−11	−13	−14	−15	−18														
−6	−7	−7	−8	−9	−10	−11	−12	−13	−14	−15	−17															
−7	−8	−9	−9	−10	−11	−12	−13	−15	−16	−17	−19															
−8	−9	−10	−11	−12	−13	−14	−15	−16	−18	−19																
−9	−10	−11	−12	−13	−14	−15	−17	−18	−19																	
−10	−11	−12	−13	−14	−15	−17	−18																			
−11	−12	−13	−14	−16	−17	−18																				
−12	−13	−14	−16	−17	−18																					
−13	−15	−16	−17	−18																						
−14	−16	−17	−18																							
−15	−17	−18	−19																							
−16	−18	−19																								
−17	−19																									

In the table, lines are ruled to draw attention to the fact that above the line evaporation is going on from a water surface, while below the line it is going on from an ice surface. Owing to this interpolation must not be made between figures on different sides of the lines.

For dry bulb temperatures below 0°C it will be noted that, when the depression of the wet bulb is zero, i.e. when the temperature of the wet bulb is equal to that of the dry bulb, the dew-point is still below the dry bulb, and the relative humidity is less than 100 per cent. These apparent anomalies are a consequence of the method of computing dew-points and relative humidities now adopted by the Meteorological Office, in which the standard saturation pressure for temperatures below 0°C is taken as that over water, and not as that over ice.

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