

露点温度を求める表

Table for finding the dew-point

露点温度の算出には、本表を使用する。「湿球温度」に相当する横行と「乾球温度と湿球温度の差」に相当する縦行との交差する欄の数値が露点温度である。

Tables are used to determine the dew-point. From wet-bulb temperature along the left column, move to the right until you find the correct “Depression of wet-bulb” column, where the row and the column intersect is the dew-point.

湿球が氷結しているとき
in case of **frozen** wet-bulb

例 乾球温度 dry-bulb : t = 1.2℃
example 湿球温度 wet-bulb : t' = -2.7℃ (湿球が氷結している **frozen** wet-bulb)

t' = -2.7 } 0.5 度単位にまとめる → { -2.5 } 表から 露点温度 dew-point
t - t' = 3.9 } round off in halves of °C → { 4.0 } using the table -11.1℃

湿球(℃) wet-bulb (t')	乾 球 と 湿 球 と の 差 (t-t') depression of wet-bulb (dry-bulb minus wet-bulb)									湿球(℃) wet-bulb (t')	乾 球 と 湿 球 と の 差 (t-t') depression of wet-bulb (dry-bulb minus wet-bulb)										
	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0		0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-5.0	-5.6	-6.6	-7.7	-8.8	-10.1	-11.4	-12.9	-14.6		-2.5	-2.8	-3.6	-4.5	-5.4	-6.4	-7.4	-8.6	-9.8	-11.1		
-4.5	-5.1	-6.0	-7.0	-8.1	-9.3	-10.6	-12.0	-13.6		-2.0	-2.3	-3.1	-3.9	-4.7	-5.7	-6.7	-7.7	-8.9	-10.1		-11.5
-4.0	-4.5	-5.4	-6.4	-7.4	-8.6	-9.8	-11.1	-12.6	-14.2	-1.5	-1.7	-2.5	-3.2	-4.1	-5.0	-5.9	-6.9	-8.0	-9.2	-10.4	
-3.5	-4.0	-4.8	-5.8	-6.7	-7.8	-9.0	-10.3	-11.6	-13.1	-1.0	-1.2	-1.9	-2.6	-3.4	-4.3	-5.2	-6.1	-7.1	-8.2	-9.4	
-3.0	-3.4	-4.2	-5.1	-6.1	-7.1	-8.2	-9.4	-10.7	-12.1	-0.5	-0.6	-1.3	-2.0	-2.8	-3.6	-4.4	-5.3	-6.3	-7.3	-8.4	-9.6
										0.0	-0.0	-0.7	-1.4	-2.1	-2.9	-3.7	-4.6	-5.5	-6.4	-7.5	-8.6

湿球が氷結していないとき
in case of **not frozen** wet-bulb

例 乾球温度 dry-bulb : t = 1.2℃
example 湿球温度 wet-bulb : t' = -2.7℃ (湿球が氷結していない **not frozen** wet-bulb)

t' = -2.7 } 0.5 度単位にまとめる → { -2.5 } 表から 露点温度 dew-point
t - t' = 3.9 } round off in halves of °C → { 4.0 } using the table -12.1℃

湿球(°C) wet-bulb (t')	乾 球 と 湿 球 と の 差 (t-t') depression of wet-bulb (dry-bulb minus wet-bulb)																				湿球(°C) wet-bulb (t')											
	0.0	0.5	1.0	1.5	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	9.5		10.0										
−5.0	−5.0	−6.1	−7.2	−8.4	−9.9	−11.5	−13.2	−15.2														−5.0										
−4.5	−4.5	−5.5	−6.6	−7.8	−9.2	−10.7	−12.3	−14.1														−4.5										
−4.0	−4.0	−5.0	−6.1	−7.2	−8.5	−9.9	−11.4	−13.1	−15.1														−4.0									
−3.5	−3.5	−4.5	−5.5	−6.6	−7.8	−9.2	−10.6	−12.2	−14.1														−3.5									
−3.0	−3.0	−3.9	−4.9	−6.0	−7.1	−8.4	−9.8	−11.3	−13.0														−3.0									
−2.5	−2.5	−3.4	−4.4	−5.4	−6.5	−7.7	−9.0	−10.5	−12.1														−2.5									
−2.0	−2.0	−2.9	−3.8	−4.8	−5.8	−7.0	−8.2	−9.6	−11.1	−12.8														−2.0								
−1.5	−1.5	−2.4	−3.2	−4.2	−5.2	−6.3	−7.5	−8.8	−10.2	−11.8														−1.5								
−1.0	−1.0	−1.8	−2.7	−3.6	−4.6	−5.6	−6.7	−8.0	−9.3	−10.8														−1.0								
−0.5	−0.5	−1.3	−2.1	−3.0	−3.9	−5.0	−6.0	−7.2	−8.4	−9.8	−11.3														−0.5							
0.0	0.0	−0.8	−1.6	−2.4	−3.3	−4.3	−5.3	−6.4	−7.6	−8.9	−10.3														0.0							
0.5	0.5	−0.2	−1.0	−1.8	−2.7	−3.6	−4.6	−5.7	−6.8	−8.0	−9.3														0.5							
1.0	1.0	0.3	−0.5	−1.2	−2.1	−3.0	−3.9	−4.9	−6.0	−7.1	−8.4	−9.7														1.0						
1.5	1.5	0.8	0.1	−0.7	−1.5	−2.3	−3.2	−4.2	−5.2	−6.3	−7.4	−8.7														1.5						
2.0	2.0	1.3	0.6	−0.1	−0.9	−1.7	−2.6	−3.5	−4.4	−5.5	−6.6	−7.8														2.0						
2.5	2.5	1.9	1.2	0.5	−0.3	−1.1	−1.9	−2.8	−3.7	−4.6	−5.7	−6.8	−8.0														2.5					
3.0	3.0	2.4	1.7	1.0	0.3	−0.4	−1.2	−2.1	−2.9	−3.8	−4.8	−5.9	−7.0														3.0					
3.5	3.5	2.9	2.3	1.6	0.9	0.2	−0.6	−1.4	−2.2	−3.1	−4.0	−5.0	−6.1														3.5					
4.0	4.0	3.4	2.8	2.2	1.5	0.8	0.1	−0.7	−1.5	−2.3	−3.2	−4.2	−5.2	−6.3														4.0				
4.5	4.5	3.9	3.3	2.7	2.1	1.4	0.7	0.0	−0.8	−1.6	−2.4	−3.3	−4.3	−5.3														4.5				
5.0	5.0	4.4	3.9	3.3	2.7	2.0	1.3	0.6	−0.1	−0.9	−1.7	−2.5	−3.4	−4.4														5.0				
5.5	5.5	5.0	4.4	3.8	3.2	2.6	2.0	1.3	0.6	−0.1	−0.9	−1.7	−2.6	−3.5	−4.5														5.5			
6.0	6.0	5.5	4.9	4.4	3.8	3.2	2.6	2.0	1.3	0.6	−0.2	−0.9	−1.8	−2.6	−3.5														6.0			
6.5	6.5	6.0	5.5	4.9	4.4	3.8	3.2	2.6	1.9	1.3	0.6	−0.2	−1.0	−1.8	−2.7														6.5			
7.0	7.0	6.5	6.0	5.5	4.9	4.4	3.8	3.2	2.6	2.0	1.3	0.6	−0.2	−0.9	−1.8	−2.6														7.0		
7.5	7.5	7.0	6.5	6.0	5.5	5.0	4.4	3.8	3.2	2.6	2.0	1.3	0.6	−0.1	−0.9	−1.7														7.5		
8.0	8.0	7.5	7.1	6.6	6.1	5.5	5.0	4.5	3.9	3.3	2.7	2.0	1.4	0.7	−0.1	−0.8														8.0		
8.5	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0	3.4	2.8	2.1	1.5	0.7	0.0	−0.7														8.5	
9.0	9.0	8.6	8.1	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.0	3.5	2.9	2.2	1.5	0.9	0.1														9.0	
9.5	9.5	9.1	8.7	8.2	7.8	7.3	6.8	6.3	5.8	5.3	4.7	4.2	3.6	3.0	2.3	1.7	1.0	0.3														9.5
10.0	10.0	9.6	9.2	8.7	8.3	7.8	7.4	6.9	6.4	5.9	5.4	4.8	4.3	3.7	3.1	2.5	1.8	1.2														10.0
	0.0	0.5	1.0	1.5	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	9.5	10.0											

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湿球(℃) wet-bulb (t')	乾 球 と 湿 球 と の 差 (t-t') depression of wet-bulb (dry-bulb minus wet-bulb)																				湿球(℃) wet-bulb (t')		
	0.0	0.5	1.0	1.5	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	9.5		10.0	
10.0	10.0	9.6	9.2	8.7	8.3	7.8	7.4	6.9	6.4	5.9	5.4	4.8	4.3	3.7	3.1	2.5	1.8	1.2				10.0	
10.5	10.5	10.1	9.7	9.3	8.9	8.4	8.0	7.5	7.0	6.6	6.0	5.5	5.0	4.4	3.9	3.3	2.6	2.0				10.5	
11.0	11.0	10.6	10.2	9.8	9.4	9.0	8.5	8.1	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.0	3.4	2.8	2.2			11.0	
11.5	11.5	11.1	10.7	10.4	10.0	9.5	9.1	8.7	8.3	7.8	7.3	6.9	6.4	5.9	5.3	4.8	4.2	3.6	3.0			11.5	
12.0	12.0	11.6	11.3	10.9	10.5	10.1	9.7	9.3	8.9	8.4	8.0	7.5	7.1	6.6	6.0	5.5	5.0	4.4	3.9	3.3		12.0	
12.5	12.5	12.2	11.8	11.4	11.1	10.7	10.3	9.9	9.5	9.0	8.6	8.2	7.7	7.3	6.8	6.3	5.8	5.2	4.7	4.1		12.5	
13.0	13.0	12.7	12.3	12.0	11.6	11.2	10.8	10.5	10.1	9.6	9.2	8.8	8.4	7.9	7.5	7.0	6.5	6.0	5.5	4.9		13.0	
13.5	13.5	13.2	12.8	12.5	12.1	11.8	11.4	11.0	10.7	10.3	9.9	9.4	9.0	8.6	8.1	7.7	7.2	6.7	6.2	5.7	5.2	13.5	
14.0	14.0	13.7	13.3	13.0	12.7	12.3	12.0	11.6	11.2	10.9	10.5	10.1	9.7	9.3	8.8	8.4	7.9	7.5	7.0	6.5	6.0	14.0	
14.5	14.5	14.2	13.9	13.5	13.2	12.9	12.5	12.2	11.8	11.5	11.1	10.7	10.3	9.9	9.5	9.1	8.6	8.2	7.7	7.3	6.8	14.5	
15.0	15.0	14.7	14.4	14.1	13.7	13.4	13.1	12.7	12.4	12.0	11.7	11.3	10.9	10.6	10.2	9.7	9.3	8.9	8.5	8.0	7.6	15.0	
15.5	15.5	15.2	14.9	14.6	14.3	14.0	13.6	13.3	13.0	12.6	12.3	11.9	11.6	11.2	10.8	10.4	10.0	9.6	9.2	8.8	8.3	15.5	
16.0	16.0	15.7	15.5	15.1	14.8	14.5	14.2	13.9	13.5	13.2	12.9	12.5	12.2	11.8	11.5	11.1	10.7	10.3	9.9	9.5	9.1	16.0	
16.5	16.5	16.2	15.9	15.6	15.4	15.1	14.7	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.2	9.8	16.5	
17.0	17.0	16.7	16.5	16.2	15.9	15.6	15.3	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8	12.4	12.1	11.7	11.3	11.0	10.6	17.0	
17.5	17.5	17.2	17.0	16.7	16.4	16.1	15.8	15.6	15.3	15.0	14.7	14.4	14.0	13.7	13.4	13.0	12.7	12.4	12.0	11.7	11.3	17.5	
18.0	18.0	17.7	17.5	17.2	17.0	16.7	16.4	16.1	15.8	15.5	15.2	15.0	14.6	14.3	14.0	13.7	13.4	13.0	12.7	12.3	12.0	18.0	
18.5	18.5	18.3	18.0	17.7	17.5	17.2	16.9	16.7	16.4	16.1	15.8	15.5	15.2	15.0	14.6	14.3	14.0	13.7	13.4	13.0	12.7	18.5	
19.0	19.0	18.8	18.5	18.3	18.0	17.7	17.5	17.2	17.0	16.7	16.4	16.1	15.8	15.6	15.2	15.0	14.6	14.3	14.0	13.7	13.4	19.0	
19.5	19.5	19.3	19.0	18.8	18.5	18.3	18.0	17.8	17.5	17.3	17.0	16.7	16.4	16.2	15.9	15.6	15.3	15.0	14.7	14.4	14.1	19.5	
20.0	20.0	19.8	19.5	19.3	19.1	18.8	18.6	18.3	18.1	17.8	17.6	17.3	17.0	16.8	16.5	16.2	15.9	15.6	15.3	15.0	14.7	20.0	
20.5	20.5	20.3	20.1	19.8	19.6	19.3	19.1	18.9	18.6	18.4	18.1	17.9	17.6	17.4	17.1	16.8	16.5	16.3	16.0	15.7	15.4	20.5	
21.0	21.0	20.8	20.6	20.3	20.1	19.9	19.6	19.4	19.2	18.9	18.7	18.4	18.2	17.9	17.7	17.4	17.2	16.9	16.6	16.3	16.1	21.0	
21.5	21.5	21.3	21.1	20.9	20.6	20.4	20.2	20.0	19.7	19.5	19.3	19.0	18.8	18.5	18.3	18.0	17.8	17.5	17.3	17.0	16.7	21.5	
湿球(℃) wet-bulb (t')	乾 球 と 湿 球 と の 差 (t-t') depression of wet-bulb (dry-bulb minus wet-bulb)																				湿球(℃) wet-bulb (t')		
	0.0	0.5	1.0	1.5	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	9.5		10.0	
22.0	22.0	21.8	21.6	21.4	21.2	20.9	20.7	20.5	20.3	20.1	19.8	19.6	19.4	19.1	18.9	18.6	18.4	18.1	17.9	17.6	17.4	22.0	
22.5	22.5	22.3	22.1	21.9	21.7	21.5	21.3	21.0	20.8	20.6	20.4	20.2	19.9	19.7	19.5	19.2	19.0	18.7	18.5	18.3	18.0	22.5	
23.0	23.0	22.8	22.6	22.4	22.2	22.0	21.8	21.6	21.4	21.2	20.9	20.7	20.5	20.3	20.1	19.8	19.6	19.4	19.1	18.9	18.6	23.0	
23.5	23.5	23.3	23.1	22.9	22.7	22.5	22.3	22.1	21.9	21.7	21.5	21.3	21.1	20.9	20.6	20.4	20.2	20.0	19.7	19.5	19.3	23.5	
24.0	24.0	23.8	23.6	23.4	23.2	23.0	22.9	22.7	22.5	22.3	22.1	21.8	21.6	21.4	21.2	21.0	20.8	20.6	20.3	20.1	19.9	24.0	
24.5	24.5	24.3	24.1	24.0	23.8	23.6	23.4	23.2	23.0	22.8	22.6	22.4	22.2	22.0	21.8	21.6	21.4	21.2	20.9	20.7	20.5	24.5	
25.0	25.0	24.8	24.6	24.5	24.3	24.1	23.9	23.7	23.5	23.4	23.2	23.0	22.8	22.6	22.4	22.2	22.0	21.8	21.5	21.3	21.1	25.0	
25.5	25.5	25.3	25.2	25.0	24.8	24.6	24.4	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.5	22.3	22.1	21.9	21.7	25.5	
26.0	26.0	25.8	25.7	25.5	25.3	25.1	25.0	24.8	24.6	24.4	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.5	22.3	26.0	
26.5	26.5	26.3	26.2	26.0	25.8	25.7	25.5	25.3	25.2	25.0	24.8	24.6	24.4	24.3	24.1	23.9	23.7	23.5	23.3	23.1	22.9	26.5	
27.0	27.0	26.8	26.7	26.5	26.4	26.2	26.0	25.9	25.7	25.5	25.4	25.2	25.0	24.8	24.6	24.5	24.3	24.1	23.9	23.7	23.5	27.0	
27.5	27.5	27.3	27.2	27.0	26.9	26.7	26.5	26.4	26.2	26.1	25.9	25.7	25.6	25.4	25.2	25.0	24.9	24.7	24.5	24.3	24.1	27.5	
28.0	28.0	27.8	27.7	27.5	27.4	27.2	27.1	26.9	26.8	26.6	26.4	26.3	26.1	25.9	25.8	25.6	25.4	25.3	25.1	24.9	24.7	28.0	
28.5	28.5	28.4	28.2	28.1	27.9	27.7	27.6	27.4	27.3	27.1	27.0	26.8	26.7	26.5	26.3	26.2	26.0	25.8	25.7	25.5	25.3	28.5	
29.0	29.0	28.9	28.7	28.6	28.4	28.3	28.1	28.0	27.8	27.7	27.5	27.4	27.2	27.0	26.9	26.7	26.6	26.4	26.2	26.1	25.9	29.0	
29.5	29.5	29.4	29.2	29.1	28.9	28.8	28.6	28.5	28.4	28.2	28.1	27.9	27.8	27.6	27.4	27.3	27.1	27.0	26.8	26.7	26.5	29.5	
30.0	30.0	29.9	29.7	29.6	29.4	29.3	29.2	29.0	28.9	28.7	28.6	28.4	28.3	28.1	28.0	27.8	27.7	27.5	27.4	27.2	27.1	30.0	
30.5	30.5	30.4	30.2	30.1	30.0	29.8	29.7	29.5	29.4	29.3	29.1	29.0	28.8	28.7	28.5	28.4	28.3	28.1	28.0	27.8			30.5
31.0	31.0	30.9	30.7	30.6	30.5	30.3	30.2	30.1	29.9	29.8	29.7	29.5	29.4	29.2	29.1	29.0	28.8	28.7	28.5			31.0	
31.5	31.5	31.4	31.2	31.1	31.0	30.9	30.7	30.6	30.5	30.3	30.2	30.1	29.9	29.8	29.6	29.5	29.4	29.2	29.2			31.5	
32.0	32.0	31.9	31.8	31.6	31.5	31																	