

भारत मौसम विज्ञान विभाग
INDIA METEOROLOGICAL DEPARTMENT



भारत सरकार
GOVERNMENT OF INDIA

HYGROMETRIC TABLES

800 mb

OFFICE OF THE
ADDITIONAL DIRECTOR GENERAL OF METEOROLOGY
(RESEARCH)

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THE PRACTICAL
TECHNIQUE OF
INDUSTRIAL DESIGN

BY
JOHN G. COOPER

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INTRODUCTION

The most convenient method of determining the humidity of the air for meteorological purpose is by the use of wet and dry thermometers.

August's modification of Regnault's formula for deriving the vapour pressure, which has been in use in the India Meteorological Department from 1876, (with temperatures in °C instead of °F) is as follows:-

For temperatures of Wet Bulb below 0°C

$$X = F' - \frac{0.480(T - T')}{671 - T'} \times p$$

For temperatures of Wet Bulb above 0°C

$$X = F' - \frac{0.480(T - T')}{610 - T'} \times p$$

Where X = pressure of vapour present in the air.

F' = saturation vapour pressure at temperature T' °C of the Wet Bulb

T = Temperature of the Dry Bulb in °C.

T' = Temperature of the Wet Bulb in °C.

P = pressure of air.

It is well known that the readings of the Wet Bulb thermometer depend not only on the humidity but also on the strength of the wind which flows past the bulb, so that, at a particular humidity of air, the depression of Wet Bulb below the Dry Bulb is less in still air than when the air is in movement. For temperatures of Wet Bulb higher than 0°C, Pernter modified Regnault's equation so as to correspond to (i) calm, (ii) light wind and (iii) strong wind. Under the conditions of exposure obtaining in Stevenson Screen, the velocity of air past the wet Bulb generally comes under 'light wind'. Pernters' modification of Regnault's formula for 'light wind' conditions almost exactly agrees with August's formula referred to earlier in this introduction. August's equation has, therefore, been used in the India Meteorological Department for a long time for calculating the hygrometric tables.

It must be remembered that these tables are strictly applicable only when the thermometers are in a Stevenson Screen or are exposed to a gentle breeze at the time of observation. They are not to be used with any form of artificially ventilated psychrometers.

The relative humidity is given by the equation

$$U = \frac{X}{F} \times 100$$

Where U = relative humidity
F = saturation vapour pressure at temperature T °C of the Dry Bulb.

The Dew Point temperature is the temperature to which the air should be cooled in order just to cause condensation, or the temperature at which the saturation vapour pressure is equal to the pressure of the vapour present in the air.

In the Hygrometric Tables published by the India Meteorological Department in 1949, the two arguments used viz., the Dry Bulb temperature and the depression of the wet Bulb, as also the Dew Point temperatures were given in °F. With the adoption of the metric system of units in the India Meteorological Department and the supply of thermometers reading directly in °C to observatories, it has become necessary to provide the observers with tables in which the temperatures appear in °C instead of in °F. The tables published in 1949 have been recast accordingly and brought out in this revised Edition.

In this edition of the Tables, Dew Point temperatures are given in addition to Relative Humidity values as in the previous edition. The following important modifications should, however, be noted :

- 1) The Dry Bulb and Wet Bulb temperatures, instead of Dry Bulb and depression of the Wet Bulb, form the two arguments of the tables,
- 2) Values have been provided in steps of 0.2 °C both in the Dry and Wet Bulb temperature, as against 1 °F for Dry Bulb and 0.5°F for depression of Wet Bulb in the previous edition.

WET BULB TEMPERATURE

The tables provide for ranges of Dry Bulb temperature from -15°C to 40°C and Wet Bulb temperatures -15°C to 20°C . The values of the saturation vapour pressure used are those given in tables 94 and 96 of the Smithsonian Met. Tables, sixth revised edition 1951.

Wet Bulb below the Freezing Point

When the wet Bulb temperature falls below the freezing point it may be either covered with ice or with supercooled water. Alternative tables have been provided for use in either contingency.

For use when the wet Bulb is covered with ice, a table is given for the range of wet Bulb temperature -15°C to 0°C . In calculating the Relative Humidity in this table the saturation vapour pressure over ice has been used as the standard of reference for Dry Bulb temperature below 0°C . The Dew Point in this table is the temperature at which the saturation vapour pressure over ice is equal to the actual vapour present in the air. This temperature is the hoarfrost point.

For use when the Wet Bulb is covered with supercooled water, the main table has been extended down to a Wet Bulb temperature of -15°C , the vapour pressure over supercooled water being used as the standard of reference for calculating Relative Humidity. Dew Point temperatures below 0°C in the main table represent the temperature at which the saturation vapour pressure over supercooled water is equal to the actual vapour pressure.

INSTRUCTIONS FOR USING THE TABLES

The tables are calculated for a pressure of 800 mbs. and are meant for use at stations whose heights above mean sea level are between 5,000 ft. and 9,000 ft. (1524.0 – 2743.2 metres).

Dew Point temperatures and Relative Humidities corresponding to specified values of Dry Bulb and Wet Bulb temperatures, at intervals of 0.2°C , are printed at the top of each page. The Dew Point temperatures are given on the left side and Relative Humidities on the right side on each page.

The different ranges of wet Bulb and Dry Bulb temperatures occurring on one and the same page have been clearly divided by suitable headings. The tables can be entered directly with readings of Dry Bulb and Wet Bulb temperatures, depression of the Wet Bulb need not be separately calculated for using the tables.

In order to find the Relative Humidity or the Dew Point turn to the page which contains the values of the wet Bulb temperature and Dry Bulb temperature for which either of these is required. (In both cases, the values can be read off directly from the body of the tables, if the temperatures are the actual values contained there. Otherwise interpolation should be made to the nearest 0.1°C in both cases.) It should be remembered that both the Dry Bulb and Wet Bulb readings should be corrected for instrumental errors before using the table.

The Dew Point and Relative Humidity from the values of Dry Bulb and Wet Bulb temperatures can be read directly from the tables when the decimal in the dry Bulb and wet Bulb are even numbers. When one or both of them are odd the values can be got by simple interpolation of values on either side.

The following examples are given for completeness :

S. No.	Dry Bulb In $^{\circ}\text{C}$	Wet Bulb In $^{\circ}\text{C}$	Page No.	Dew Point In $^{\circ}\text{C}$	Relative Humidity In %	Remarks
1	10.8	4.4	39	-4.2	33	
2	19.3	11.8	49	+5.5	41	By interpolation of D.B.
3	28.2	13.5	55	-0.2	15	By interpolation of W.B.
4	33.5	16.7	64	4.0	16	By interpolation of both D.B. and W.B.

When Wet Bulb is covered with ice

1	-10.8	-12.2	6	-17.2	56	
2	-4.3	-7.4	10	-16.0	35	By interpolation of D.B.
3	+1.6	-3.7	14	-16.3	21	By interpolation of W.B.
4	+5.1	-1.3	16	-13.9	21	By interpolation of both D.B. and W.B.

Table for use when Wet Bulb is covered with ice

Wet Bulb : -15.0 to -13.2
Dry Bulb : -15.0 to -9.8

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	-15.0	-14.8	-14.6	-14.4	-14.2	-14.0	-13.8	-13.6	-13.4	-13.2
-15.0	-15.0									
-14.8	-15.8	-14.8								
-14.6	-16.6	-15.6	-14.6							
-14.4	-17.4	-16.3	-15.3	-14.4						
-14.2	-18.4	-17.2	-16.1	-15.1	-14.2					
-14.0	-19.4	-18.1	-17.0	-15.9	-14.9	-14.0				
-13.8	-20.5	-19.1	-17.9	-16.7	-15.7	-14.7	-13.8			
-13.6	-21.8	-20.2	-18.8	-17.6	-16.5	-15.4	-14.5	-13.6		
-13.4	-23.2	-21.4	-19.9	-18.5	-17.3	-16.2	-15.2	-14.3	-13.4	
-13.2	-24.8	-22.8	-21.1	-19.6	-18.3	-17.1	-16.0	-15.0	-14.1	-13.2
-13.0	-26.7	-24.3	-22.4	-20.7	-19.3	-18.0	-16.8	-15.7	-14.8	-13.9
-12.8	-29.0	-26.2	-23.9	-22.0	-20.4	-19.0	-17.7	-16.6	-15.5	-14.5
-12.6	-32.0	-28.3	-25.6	-23.5	-21.6	-20.1	-18.7	-17.4	-16.3	-15.3
-12.4	-36.2	-31.1	-27.7	-25.1	-23.0	-21.3	-19.7	-18.4	-17.2	-16.0
-12.2	-43.7	-34.9	-30.2	-27.1	-24.6	-22.6	-20.9	-19.4	-18.1	-16.9
-12.0		-41.0	-33.7	-29.5	-26.5	-24.1	-22.2	-20.5	-19.1	-17.8
-11.8		-83.1	-38.9	-32.6	-28.7	-25.9	-23.6	-21.8	-20.2	-18.8
-11.6			-51.6	-37.1	-31.6	-28.0	-25.3	-23.2	-21.4	-19.8
-11.4				-46.0	-35.6	-30.7	-27.4	-24.8	-22.7	-21.0
-11.2					-42.5	-34.3	-29.8	-26.7	-24.3	-22.3
-11.0						-40.0	-33.1	-29.0	-26.1	-23.8
-10.8							-57.4	-37.9	-32.0	-28.3
-10.6								-48.2	-36.2	-31.0
-10.4									-43.8	-34.7
-10.2										-40.8
-10.0										-38.5
-9.8										-50.1

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										
	-15.0	-14.8	-14.6	-14.4	-14.2	-14.0	-13.8	-13.6	-13.4	-13.2	
-15.0	100										
-14.8	92	100									
-14.6	83	92	100								
-14.4	75	84	92	100							
-14.2	68	76	84	92	100						
-14.0	60	68	76	84	92	100					
-13.8	53	61	69	76	84	92	100				
-13.6	46	54	61	69	77	84	92	100			
-13.4	39	47	54	62	69	77	85	92	100		
-13.2	33	40	48	55	62	70	77	85	92	100	
-13.0	27	34	41	48	56	63	70	78	85	93	
-12.8	21	28	35	42	49	56	63	71	78	85	
-12.6	15	22	29	36	43	50	57	64	71	78	
-12.4	9	16	23	30	37	44	51	57	64	72	
-12.2	4	11	17	24	31	38	44	51	58	65	
-12.0		5	12	18	25	32	38	45	52	59	
-11.8		0	6	13	19	26	33	39	46	53	
-11.6			1	8	14	21	27	34	40	47	
-11.4				3	9	15	22	28	34	41	
-11.2					4	10	16	23	29	35	
-11.0						5	11	18	24	30	
-10.8							1	7	13	19	25
-10.6								2	8	14	20
-10.4									3	9	15
-10.2										5	10
-10.0										0	6
-9.8											1

Table for use when Wet Bulb is covered with ice

Wet Bulb : -13.0 to -11.2

Dry Bulb : -13.0 to -7.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C											
	-13.0	-12.8	-12.6	-12.4	-12.2	-12.0	-11.8	-11.6	-11.4	-11.2		-13.0	-12.8	-12.6	-12.4	-12.2	-12.0	-11.8	-11.6	-11.4	-11.2		
-13.0	-13.0										-13.0	100											
-12.8	-13.6	-12.8									-12.8	93	100										
-12.6	-14.3	-13.4	-12.6								-12.6	86	93	100									
-12.4	-15.0	-14.1	-13.2	-12.4							-12.4	79	86	93	100								
-12.2	-15.8	-14.8	-13.9	-13.0	-12.2						-12.2	72	79	86	93	100							
-12.0	-16.6	-15.5	-14.6	-13.7	-12.8	-12.0					-12.0	65	72	79	86	93	100						
-11.8	-17.5	-16.3	-15.3	-14.3	-13.4	-12.6	-11.8				-11.8	59	66	73	79	86	93	100					
-11.6	-18.4	-17.2	-16.1	-15.0	-14.1	-13.2	-12.4	-11.6			-11.6	53	60	66	73	80	86	93	100				
-11.4	-19.5	-18.1	-16.9	-15.8	-14.8	-13.9	-13.0	-12.2	-11.4		-11.4	47	54	60	67	73	80	87	93	100			
-11.2	-20.6	-19.1	-17.8	-16.6	-15.5	-14.6	-13.6	-12.8	-12.0	-11.2	-11.2	42	48	54	61	67	74	80	87	93	100		
-11.0	-21.9	-20.2	-18.8	-17.5	-16.3	-15.3	-14.3	-13.4	-12.6	-11.8	-11.0	36	42	49	55	61	68	74	81	87	93		
-10.8	-23.3	-21.4	-19.9	-18.5	-17.2	-16.1	-15.0	-14.1	-13.2	-12.3	-10.8	31	37	43	49	56	62	68	74	81	87		
-10.6	-24.9	-22.8	-21.0	-19.5	-18.1	-16.9	-15.8	-14.8	-13.8	-12.9	-10.6	26	32	38	44	50	56	62	69	75	81		
-10.4	-26.9	-24.4	-22.3	-20.6	-19.1	-17.8	-16.6	-15.5	-14.5	-13.6	-10.4	21	27	33	39	45	51	57	63	69	75		
-10.2	-29.2	-26.2	-23.8	-21.9	-20.2	-18.8	-17.5	-16.3	-15.2	-14.2	-10.2	16	22	28	34	39	45	51	57	63	69		
-10.0	-32.2	-28.4	-25.6	-23.3	-21.4	-19.8	-18.4	-17.2	-16.0	-15.0	-10.0	11	17	23	29	34	40	46	52	58	64		
-9.8	-36.6	-31.2	-27.6	-25.0	-22.8	-21.0	-19.5	-18.1	-16.8	-15.7	-9.8	7	13	18	24	30	35	41	47	53	58		
-9.6	-44.7	-35.0	-30.2	-26.9	-24.4	-22.3	-20.6	-19.1	-17.7	-16.5	-9.6	3	8	14	19	25	31	36	42	47	53		
-9.4	-41.3	-33.6	-29.3	-26.2	-23.8	-21.9	-20.2	-18.7	-17.4	-9.4	-9.4	4	9	15	20	26	31	37	43	48			
-9.2		-38.8	-32.3	-28.4	-25.6	-23.3	-21.4	-19.8	-18.3	-9.2	-9.2		5	11	16	21	27	32	38	43			
-9.0		-51.2	-36.7	-31.2	-27.6	-24.9	-22.8	-20.9	-19.4	-9.0	-9.0		1	6	12	17	22	28	33	39			
-8.8			-45.1	-35.0	-30.2	-26.8	-24.3	-22.2	-20.5	-8.8	-8.8		2	8	13	18	23	29	34				
-8.6				-41.4	-33.6	-29.2	-26.1	-23.7	-21.7	-8.6	-8.6			4	9	14	19	24	30				
-8.4					-38.7	-32.3	-28.3	-25.4	-23.2	-8.4	-8.4				5	10	15	20	25				
-8.2						-51.1	-36.6	-31.1	-27.5	-24.8	-8.2	-8.2				1	6	11	16	21			
-8.0							-44.8	-34.8	-30.0	-26.7	-8.0	-8.0					2	7	12	17			
-7.8								-41.1	-33.3	-29.0	-7.8	-7.8						4	8	13			
-7.6									-38.4	-32.0	-7.6	-7.6							5	10			
-7.4										-49.7	-36.2	-7.4	-7.4						1	6			
-7.2											-43.9	-7.2	-7.2	-7.2						2			
-7.0												-7.0	-7.0	-7.0	-7.0								

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 11.0 to - 9.2

Dry Bulb : - 11.0 to - 6.2

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C									
	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4	-9.2	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4	-9.2
-11.0	-11.0										-100									
-10.8	-11.6	-10.8									94	100								
-10.6	-12.1	-11.3	-10.6								87	94	100							
-10.4	-12.7	-11.9	-11.1	-10.4							81	87	94	100						
-10.2	-13.3	-12.5	-11.7	-10.9	-10.2						75	82	88	94	100					
-10.0	-14.0	-13.1	-12.3	-11.5	-10.7	-10.0					70	76	82	88	94	100				
-9.8	-14.7	-13.7	-12.9	-12.0	-11.2	-10.5	-9.8				64	70	76	82	88	94	100			
-9.6	-15.4	-14.4	-13.5	-12.6	-11.8	-11.0	-10.3	-9.6			59	65	71	76	82	88	94	100		
-9.4	-16.2	-15.1	-14.1	-13.2	-12.4	-11.6	-10.8	-10.1	-9.4		54	59	65	71	77	82	88	94	100	
-9.2	-17.1	-15.9	-14.9	-13.9	-13.0	-12.1	-11.3	-10.6	-9.9	-9.2	49	54	60	66	71	77	83	88	94	100
-9.0	-18.0	-16.7	-15.6	-14.6	-13.6	-12.7	-11.9	-11.1	-10.4	-9.7	44	49	55	61	66	72	77	83	89	94
-8.8	-19.0	-17.6	-16.4	-15.3	-14.3	-13.4	-12.5	-11.7	-10.9	-10.2	39	45	50	56	61	66	72	78	83	89
-8.6	-20.1	-18.6	-17.3	-16.1	-15.0	-14.0	-13.1	-12.2	-11.4	-10.7	35	40	45	51	56	61	67	72	78	83
-8.4	-21.3	-19.6	-18.2	-16.9	-15.8	-14.7	-13.7	-12.8	-12.0	-11.2	30	36	41	46	51	57	62	67	73	78
-8.2	-22.6	-20.8	-19.2	-17.8	-16.6	-15.5	-14.4	-13.5	-12.6	-11.7	26	31	36	42	47	52	57	62	68	73
-8.0	-24.2	-22.1	-20.3	-18.8	-17.5	-16.3	-15.1	-14.1	-13.2	-12.3	22	27	32	37	42	47	53	58	63	68
-7.8	-25.9	-23.5	-21.6	-19.9	-18.4	-17.1	-15.9	-14.8	-13.8	-12.9	18	23	28	33	38	43	48	53	58	63
-7.6	-28.1	-25.2	-23.0	-21.1	-19.5	-18.0	-16.7	-15.6	-14.5	-13.6	14	19	24	29	34	39	44	49	54	59
-7.4	-30.8	-27.2	-24.6	-22.4	-20.6	-19.0	-17.6	-16.4	-15.3	-14.2	11	15	20	25	30	35	39	44	49	54
-7.2	-34.4	-29.7	-26.4	-23.9	-21.9	-20.1	-18.6	-17.3	-16.0	-14.9	7	12	16	21	26	31	35	40	45	50
-7.0	-40.3	-32.9	-28.7	-25.7	-23.3	-21.3	-19.7	-18.2	-16.9	-15.7	4	8	13	17	22	27	31	36	41	46
-6.8	-60.7	-37.7	-31.6	-27.7	-24.9	-22.7	-20.8	-19.2	-17.8	-16.5	0	5	9	14	18	23	28	32	37	42
-6.6		-47.6	-35.6	-30.3	-26.9	-24.2	-22.1	-20.3	-18.8	-17.4	-6.6	1	6	10	15	19	24	29	33	38
-6.4			-42.5	-33.8	-29.2	-26.1	-23.6	-21.6	-19.8	-18.3	-6.4	3	7	11	16	20	25	29	34	
-6.2				-39.2	-32.3	-28.2	-25.3	-23.0	-21.0	-19.4	-6.2	4	8	13	17	21	26	30		

Table for use when Wet Bulb is covered with ice

Wet Bulb : -11.0 to -9.2

Dry Bulb : -6.0 to -4.4

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									Wet Bulb °C									
	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4	-9.2
-6.0										-53.2	-36.7	-31.0	-27.3	-24.5	-22.3	-20.5			
-5.8										-45.1	-34.7	-29.8	-26.4	-23.8	-21.8				
-5.6										-40.8	-33.0	-28.7	-25.6	-23.2					
-5.4										-70.9	-37.9	-31.6	-27.7	-24.8					
-5.2										-48.2	-35.6	-30.2	-26.7						
-5.0										-42.5	-33.7	-29.1							
-4.8										-39.0	-32.1								
-4.6										-52.2	-36.4								
-4.4										-44.3									
-4.2																			
-4.0																			
-3.8																			
-3.6																			
-3.4																			
-3.2																			
-3.0																			
-2.8																			
-2.6																			
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-2.0																			
-1.8																			
-1.6																			
-1.4																			
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4.2																			
4.4																			
4.6																			
4.8																			
5.0																			
5.2																			
5.4																			
5.6																			
5.8																			
6.0																			

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 9.0 to - 7.2
 Dry Bulb : - 9.0 to - 5.2

Dry Bulb °C	Dew Point °C										Relative Humidity (%)										(800 mb)	
	Wet Bulb °C										Wet Bulb °C											
-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2	-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2			
-9.0	-9.0									-100												
-8.8	-9.5	-8.8								94	100											
-8.6	-9.9	-9.3	-8.6							89	94	100										
-8.4	-10.4	-9.7	-9.1	-8.4						84	89	94	100									
-8.2	-11.0	-10.2	-9.5	-8.8	-8.2					78	84	89	95	100								
-8.0	-11.5	-10.7	-10.0	-9.3	-8.6	-8.0				73	79	84	89	95	100							
-7.8	-12.1	-11.3	-10.5	-9.8	-9.1	-8.4	-7.8			68	74	79	84	89	95	100						
-7.6	-12.7	-11.8	-11.0	-10.3	-9.5	-8.9	-8.2	-7.6		64	69	74	79	84	90	95	100					
-7.4	-13.3	-12.4	-11.6	-10.8	-10.0	-9.3	-8.7	-8.0	-7.4	59	64	69	74	79	84	90	95	100				
-7.2	-13.9	-13.0	-12.1	-11.3	-10.5	-9.8	-9.1	-8.4	-7.8	55	60	65	70	75	80	85	90	95	100			
-7.0	-14.6	-13.6	-12.7	-11.9	-11.1	-10.3	-9.6	-8.9	-8.2	51	55	60	65	70	75	80	85	90	95	100		
-6.8	-15.4	-14.3	-13.3	-12.4	-11.6	-10.8	-10.0	-9.3	-8.7	46	51	56	61	65	70	75	80	85	90	95		
-6.6	-16.2	-15.0	-14.0	-13.1	-12.2	-11.3	-10.6	-9.8	-9.1	42	47	52	56	61	66	71	75	80	85	90	95	
-6.4	-17.0	-15.8	-14.7	-13.7	-12.8	-11.9	-11.1	-10.3	-9.6	38	43	48	52	57	62	66	71	76	81			
-6.2	-17.9	-16.6	-15.4	-14.4	-13.4	-12.5	-11.6	-10.8	-10.1	35	39	44	48	53	57	62	67	71	76			
-6.0	-18.9	-17.5	-16.3	-15.1	-14.1	-13.1	-12.2	-11.3	-10.6	31	35	40	44	49	53	58	62	67	72			
-5.8	-20.0	-18.5	-17.1	-15.9	-14.8	-13.7	-12.8	-11.9	-11.1	27	32	36	41	45	49	54	58	63	67			
-5.6	-21.2	-19.5	-18.0	-16.7	-15.5	-14.4	-13.4	-12.5	-11.6	24	28	33	37	41	46	50	54	59	63			
-5.4	-22.5	-20.6	-19.0	-17.6	-16.3	-15.1	-14.1	-13.1	-12.2	21	25	29	33	38	42	46	51	55	59			
-5.2	-24.1	-21.9	-20.1	-18.6	-17.2	-15.9	-14.8	-13.8	-12.8	17	22	26	30	34	38	43	47	51	55			

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 9.0 to - 7.2

Dry Bulb : - 5.0 to - 1.4

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2
-5.0	-25.9	-23.4	-21.3	-19.6	-18.1	-16.8	-15.6	-14.4	-13.4	-12.5
-4.8	-28.0	-25.0	-22.7	-20.8	-19.1	-17.7	-16.4	-15.2	-14.1	-13.1
-4.6	-30.7	-27.0	-24.3	-22.1	-20.2	-18.6	-17.2	-16.0	-14.8	-13.8
-4.4	-34.3	-29.4	-26.1	-23.5	-21.4	-19.7	-18.2	-16.8	-15.6	-14.4
-4.2	-40.0	-32.5	-28.3	-25.2	-22.8	-20.9	-19.2	-17.7	-16.4	-15.2
-4.0	-58.3	-37.1	-31.0	-27.2	-24.4	-22.2	-20.3	-18.7	-17.2	-16.0
-3.8	-46.0	-34.8	-29.7	-26.2	-23.6	-21.5	-19.7	-18.2	-16.8	
-3.6		-41.0	-32.9	-28.5	-25.3	-22.9	-20.9	-19.2	-17.7	
-3.4		-96.4	-37.7	-31.3	-27.4	-24.5	-22.2	-20.3	-18.7	
-3.2			-47.6	-35.2	-29.9	-26.3	-23.7	-21.5	-19.7	
-3.0				-41.7	-33.2	-28.6	-25.4	-22.9	-20.9	
-2.8					-38.1	-31.5	-27.4	-24.5	-22.2	
-2.6						-49.0	-35.5	-30.0	-26.4	-23.7
-2.4							-42.3	-33.3	-28.7	-25.4
-2.2								-38.4	-31.5	-27.5
-2.0									-50.0	-35.6
-1.8										-42.6
-1.6										
-1.4										

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2
-5.0	14	18	23	27	31	35	39	43	47	52
-4.8	11	15	19	23	27	32	36	40	44	48
-4.6	8	12	16	20	24	28	32	36	40	45
-4.4	6	9	13	17	21	25	29	33	37	41
-4.2	3	7	11	14	18	22	26	30	34	38
-4.0	0	4	8	12	15	19	23	27	31	35
-3.8		1	5	9	12	16	20	24	28	31
-3.6			2	6	10	13	17	21	25	28
-3.4				0	4	7	11	14	18	22
-3.2					1	5	8	12	15	19
-3.0						2	6	9	13	16
-2.8							3	7	10	14
-2.6								1	4	8
-2.4									2	5
-2.2										9
-2.0										12
-1.8										10
-1.6										6
-1.4										7

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 7.0 to - 5.2

Dry Bulb : - 7.0 to - 3.2

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2
-7.0	-7.0									
-6.8	-7.4	-6.8								
-6.6	-7.8	-7.2	-6.6							
-6.4	-8.2	-7.6	-7.0	-6.4						
-6.2	-8.7	-8.0	-7.4	-6.8	-6.2					
-6.0	-9.1	-8.4	-7.8	-7.2	-6.6	-6.0				
-5.8	-9.6	-8.9	-8.2	-7.6	-7.0	-6.4	-5.8			
-5.6	-10.0	-9.3	-8.6	-8.0	-7.3	-6.7	-6.2	-5.6		
-5.4	-10.5	-9.8	-9.1	-8.4	-7.7	-7.1	-6.5	-6.0	-5.4	
-5.2	-11.1	-10.3	-9.5	-8.8	-8.2	-7.5	-6.9	-6.3	-5.8	-5.2
-5.0	-11.6	-10.8	-10.0	-9.3	-8.6	-7.9	-7.3	-6.7	-6.1	-5.5
-4.8	-12.2	-11.3	-10.5	-9.8	-9.0	-8.4	-7.7	-7.1	-6.5	-5.9
-4.6	-12.8	-11.9	-11.0	-10.3	-9.5	-8.8	-8.1	-7.5	-6.9	-6.3
-4.4	-13.4	-12.5	-11.6	-10.8	-10.0	-9.2	-8.5	-7.9	-7.2	-6.6
-4.2	-14.1	-13.1	-12.2	-11.3	-10.5	-9.7	-9.0	-8.3	-7.6	-7.0
-4.0	-14.8	-13.7	-12.8	-11.9	-11.0	-10.2	-9.4	-8.7	-8.0	-7.4
-3.8	-15.6	-14.4	-13.4	-12.4	-11.5	-10.7	-9.9	-9.2	-8.5	-7.8
-3.6	-16.4	-15.2	-14.1	-13.1	-12.1	-11.2	-10.4	-9.6	-8.9	-8.2
-3.4	-17.2	-15.9	-14.8	-13.7	-12.7	-11.8	-10.9	-10.1	-9.4	-8.7
-3.2	-18.2	-16.8	-15.5	-14.4	-13.3	-12.4	-11.5	-10.6	-9.9	-9.1

Dry Bulb °C	Wet Bulb °C									
	-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2
-7.0	100									
-6.8	95	100								
-6.6	90	95	100							
-6.4	85	90	95	100						
-6.2	81	86	90	95	100					
-6.0	76	81	86	90	95	100				
-5.8	72	77	81	86	91	95	100			
-5.6	68	72	77	81	86	91	95	100		
-5.4	64	68	73	77	82	86	91	95	100	
-5.2	60	64	69	73	77	82	86	91	95	100
-5.0	56	60	65	69	73	78	82	87	91	95
-4.8	52	56	61	65	69	74	78	82	87	91
-4.6	49	53	57	61	65	70	74	78	82	87
-4.4	45	49	53	57	62	66	70	74	78	83
-4.2	42	46	50	54	58	62	66	70	74	79
-4.0	38	42	46	50	54	58	62	66	70	74
-3.8	35	39	43	47	51	55	59	63	67	71
-3.6	32	36	40	44	47	51	55	59	63	67
-3.4	29	33	37	40	44	48	52	56	60	64
-3.2	26	30	34	37	41	45	49	52	56	60

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 7.0 to - 5.2
Dry Bulb : - 3.0 to 1.6

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2		-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2
-3.0	-19.2	-17.7	-16.3	-15.1	-14.0	-13.0	-12.0	-11.2	-10.3	-9.6	-3.0	23	27	31	34	38	42	45	49	53	57
-2.8	-20.3	-18.6	-17.2	-15.9	-14.7	-13.6	-12.6	-11.7	-10.9	-10.1	-2.8	21	24	28	31	35	39	42	46	50	53
-2.6	-21.5	-19.7	-18.1	-16.7	-15.5	-14.3	-13.3	-12.3	-11.4	-10.6	-2.6	18	22	25	29	32	36	39	43	47	50
-2.4	-22.9	-20.9	-19.1	-17.6	-16.3	-15.0	-13.9	-12.9	-12.0	-11.1	-2.4	15	19	22	26	29	33	36	40	43	47
-2.2	-24.5	-22.2	-20.2	-18.6	-17.1	-15.8	-14.6	-13.6	-12.6	-11.6	-2.2	13	16	20	23	27	30	34	37	41	44
-2.0	-26.4	-23.7	-21.5	-19.6	-18.0	-16.6	-15.4	-14.2	-13.2	-12.2	-2.0	11	14	17	21	24	27	31	34	38	41
-1.8	-28.6	-25.4	-22.9	-20.8	-19.1	-17.5	-16.2	-15.0	-13.8	-12.8	-1.8	8	12	15	18	21	25	28	31	35	38
-1.6	-31.5	-27.4	-24.5	-22.1	-20.2	-18.5	-17.0	-15.7	-14.5	-13.5	-1.6	6	9	12	16	19	22	26	29	32	36
-1.4	-35.6	-29.9	-26.3	-23.6	-21.4	-19.5	-17.9	-16.5	-15.3	-14.1	-1.4	4	7	10	13	17	20	23	26	30	33
-1.2	-42.5	-33.3	-28.5	-25.3	-22.8	-20.7	-18.9	-17.4	-16.1	-14.8	-1.2	2	5	8	11	14	17	21	24	27	30
-1.0	-38.3	-31.4	-27.3	-24.3	-22.0	-20.0	-18.4	-16.9	-15.6	-14.3	-1.0	3	6	9	12	15	18	21	25	28	
-0.8	-49.8	-35.4	-29.8	-26.2	-23.4	-21.2	-19.4	-17.8	-16.4	-15.1	-0.8	1	4	7	10	13	16	19	22	25	
-0.6	-42.2	-33.1	-28.4	-25.1	-22.6	-20.5	-18.8	-17.3	-16.0	-14.7	-0.6	2	5	8	11	14	17	20	23		
-0.4	-38.0	-31.2	-27.1	-24.2	-21.8	-19.9	-18.2	-16.9	-15.6	-14.3	-0.4	3	6	9	12	15	18	21	24		
-0.2	-48.6	-35.0	-29.5	-26.0	-23.3	-21.1	-19.2	-17.9	-16.6	-15.3	-0.2	1	4	7	10	13	16	19	22		
0.0	-41.5	-32.7	-28.1	-24.9	-22.4	-20.4	-18.8	-17.3	-16.0	-14.7	0.0	2	5	8	11	14	17	20			
0.2	-37.5	-30.8	-26.8	-23.9	-21.6	-19.6	-18.2	-16.9	-15.6	-14.3	0.2	3	6	9	12	15	18				
0.4	-47.1	-34.6	-29.2	-25.7	-23.0	-20.7	-19.3	-17.9	-16.6	-15.3	0.4	1	4	7	10	13	16				
0.6	-40.6	-32.3	-27.8	-24.6	-21.6	-19.5	-18.1	-16.8	-15.5	-14.2	0.6	2	5	8	11	14					
0.8	-66.1	-36.8	-30.4	-26.5	-23.2	-20.1	-18.7	-17.3	-16.0	-14.7	0.8	0	3	6	9	12					
1.0			-45.3	-34.0	-28.8	-25.5	-22.2	-19.9	-17.6	-15.3	1.0						1	4	6		
1.2				-39.5	-31.8	-28.5	-25.2	-22.0	-19.7	-17.4	1.2						2	5			
1.4				-55.2	-35.9	-32.6	-29.3	-26.0	-22.7	-20.4	1.4						0	3	6	8	
1.6				-43.3	-16.1	-13.8	-10.4	-7.1	-3.8	-0.5	1.6						1				1

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 5.0 to - 3.2		Dew Point °C										Relative Humidity (%) (800 mb)											
Dry Bulb °C	Wet Bulb °C	-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2	Dry Bulb °C	Wet Bulb °C	-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2
-5.0	-5.0	100	100	100	100	100	100	100	100	100	100	-5.0	-4.8	100	100	100	100	100	100	100	100	100	
-4.8	-5.3	96	96	96	96	96	96	96	96	96	96	-4.8	-4.6	96	96	96	96	96	96	96	96	96	
-4.6	-5.7	91	91	91	91	91	91	91	91	91	91	-4.6	-4.4	91	91	91	91	91	91	91	91	91	
-4.4	-6.0	87	87	87	87	87	87	87	87	87	87	-4.4	-4.2	87	87	87	87	87	87	87	87	87	
-4.2	-6.4	83	83	83	83	83	83	83	83	83	83	-4.2	-4.0	83	83	83	83	83	83	83	83	83	
-4.0	-6.8	79	79	79	79	79	79	79	79	79	79	-4.0	-3.8	79	79	79	79	79	79	79	79	79	
-3.8	-7.2	75	75	75	75	75	75	75	75	75	75	-3.8	-3.6	75	75	75	75	75	75	75	75	75	
-3.6	-7.6	71	71	71	71	71	71	71	71	71	71	-3.6	-3.4	71	71	71	71	71	71	71	71	71	
-3.4	-8.0	68	68	68	68	68	68	68	68	68	68	-3.4	-3.2	68	68	68	68	68	68	68	68	68	
-3.2	-8.4	64	64	64	64	64	64	64	64	64	64	-3.2	-3.0	64	64	64	64	64	64	64	64	64	
-3.0	-8.8	61	61	61	61	61	61	61	61	61	61	-3.0	-2.8	61	61	61	61	61	61	61	61	61	
-2.8	-9.3	57	57	57	57	57	57	57	57	57	57	-2.8	-2.6	57	57	57	57	57	57	57	57	57	
-2.6	-9.8	54	54	54	54	54	54	54	54	54	54	-2.6	-2.4	54	54	54	54	54	54	54	54	54	
-2.4	-10.3	51	51	51	51	51	51	51	51	51	51	-2.4	-2.2	51	51	51	51	51	51	51	51	51	
-2.2	-10.8	48	48	48	48	48	48	48	48	48	48	-2.2	-2.0	48	48	48	48	48	48	48	48	48	
-2.0	-11.3	45	45	45	45	45	45	45	45	45	45	-2.0	-1.8	45	45	45	45	45	45	45	45	45	
-1.8	-11.9	42	42	42	42	42	42	42	42	42	42	-1.8	-1.6	42	42	42	42	42	42	42	42	42	
-1.6	-12.5	39	39	39	39	39	39	39	39	39	39	-1.6	-1.4	39	39	39	39	39	39	39	39	39	
-1.4	-13.1	36	36	36	36	36	36	36	36	36	36	-1.4	-1.2	36	36	36	36	36	36	36	36	36	
-1.2	-13.7	34	34	34	34	34	34	34	34	34	34	-1.2	-1.0	34	34	34	34	34	34	34	34	34	
-1.0	-14.4	31	31	31	31	31	31	31	31	31	31	-1.0	-0.8	31	31	31	31	31	31	31	31	31	
-0.8	-15.1	28	28	28	28	28	28	28	28	28	28	-0.8	-0.6	28	28	28	28	28	28	28	28	28	
-0.6	-15.9	26	26	26	26	26	26	26	26	26	26	-0.6	-0.4	26	26	26	26	26	26	26	26	26	
-0.4	-16.7	24	24	24	24	24	24	24	24	24	24	-0.4	-0.2	24	24	24	24	24	24	24	24	24	
-0.2	-17.6	21	21	21	21	21	21	21	21	21	21	-0.2	21	21	21	21	21	21	21	21	21	21	

Table for use when Wet Bulb is covered with ice

Wet Bulb: -5.0 to -3.2
Dry Bulb: 0.0 to 5.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2		-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2
0.0	-18.6	-17.1	-15.7	-14.5	-13.4	-12.4	-11.4	-10.5	-9.7	-8.9	0.0	19	22	25	28	31	34	37	40	44	47
0.2	-19.7	-18.0	-16.6	-15.3	-14.1	-13.0	-12.0	-11.1	-10.2	-9.4	0.2	17	20	23	26	29	32	35	38	41	44
0.4	-20.8	-19.0	-17.4	-16.0	-14.8	-13.6	-12.6	-11.6	-10.7	-9.9	0.4	15	18	21	24	27	30	33	36	39	42
0.6	-22.2	-20.1	-18.4	-16.9	-15.5	-14.3	-13.2	-12.2	-11.3	-10.4	0.6	13	16	19	22	25	28	30	33	36	39
0.8	-23.6	-21.4	-19.4	-17.8	-16.3	-15.1	-13.9	-12.8	-11.8	-10.9	0.8	11	14	17	20	22	25	28	31	34	37
1.0	-25.4	-22.7	-20.6	-18.8	-17.2	-15.8	-14.6	-13.4	-12.4	-11.4	1.0	9	12	15	18	20	23	26	29	32	35
1.2	-27.4	-24.3	-21.9	-19.9	-18.2	-16.7	-15.3	-14.1	-13.0	-12.0	1.2	7	10	13	16	18	21	24	27	30	33
1.4	-29.9	-26.1	-23.3	-21.1	-19.2	-17.5	-16.1	-14.8	-13.7	-12.6	1.4	6	8	11	14	16	19	22	25	28	30
1.6	-33.3	-28.3	-25.0	-22.4	-20.3	-18.5	-17.0	-15.6	-14.3	-13.2	1.6	4	7	9	12	15	17	20	23	26	28
1.8	-38.3	-31.1	-26.9	-23.9	-21.5	-19.6	-17.9	-16.4	-15.1	-13.9	1.8	2	5	7	10	13	15	18	21	24	26
2.0	-49.8	-35.0	-29.3	-25.7	-22.9	-20.7	-18.9	-17.3	-15.8	-14.6	2.0	1	3	6	8	11	14	16	19	22	24
2.2	-41.4	-32.5	-27.8	-24.5	-22.0	-20.0	-18.2	-16.7	-15.3	-14.2	2.2	8	11	14	17	20	23	26	29	32	35
2.4	-37.0	-30.4	-26.4	-23.5	-21.2	-19.2	-17.6	-16.1	-14.8	-13.7	2.4	5	8	10	13	15	18	21	24	27	30
2.6	-46.0	-34.0	-28.7	-25.2	-22.5	-20.4	-18.5	-16.9	-15.3	-14.2	2.6	1	3	6	8	11	13	16	19	22	25
2.8	-39.5	-31.6	-27.2	-24.1	-21.6	-19.6	-17.9	-16.4	-15.0	-13.9	2.8	3	6	8	11	13	16	19	22	25	28
3.0	-55.4	-35.7	-29.7	-25.8	-23.0	-20.8	-18.9	-17.0	-15.3	-14.2	3.0	0	3	5	8	10	13	16	19	22	25
3.2	-42.9	-32.9	-28.0	-24.6	-22.1	-19.9	-17.5	-15.3	-13.8	-12.7	3.2	1	4	6	8	11	13	16	19	22	25
3.4	-37.7	-30.7	-26.5	-23.5	-21.2	-18.8	-16.5	-14.3	-12.8	-11.7	3.4	2	4	7	9	12	14	17	20	23	26
3.6	-48.0	-34.4	-28.8	-25.2	-22.5	-19.8	-17.5	-15.3	-13.8	-12.7	3.6	1	3	5	8	10	13	16	19	22	25
3.8	-40.2	-31.8	-27.2	-24.0	-21.4	-18.8	-16.5	-14.3	-12.8	-11.7	3.8	2	4	7	10	13	16	19	22	25	28
4.0	-61.0	-36.0	-29.7	-26.0	-23.3	-20.7	-18.4	-16.1	-14.5	-13.4	4.0	0	2	5	8	11	14	17	20	23	26
4.2	-43.6	-33.0	-28.0	-24.6	-21.2	-18.8	-16.5	-14.3	-12.8	-11.7	4.2	1	4	7	10	13	16	19	22	25	28
4.4	-37.9	-30.7	-27.2	-24.0	-21.4	-18.8	-16.5	-14.3	-12.8	-11.7	4.4	2	4	7	10	13	16	19	22	25	28
4.6	-48.6	-34.4	-28.8	-25.2	-22.5	-19.8	-17.5	-15.3	-13.8	-12.7	4.6	1	3	5	8	10	13	16	19	22	25
4.8	-40.3	-33.0	-28.0	-24.6	-21.2	-18.8	-16.5	-14.3	-12.8	-11.7	4.8	0	2	5	8	11	14	17	20	23	26
5.0	-61.2	-50.0	-44.8	-40.6	-36.4	-32.2	-28.0	-23.8	-20.6	-17.4	5.0	0	1	3	5	8	11	14	17	20	23

Table for use when Wet Bulb is covered with ice

Wet Bulb : -3.0 to -1.2

Dry Bulb : -3.0 to 2.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2		-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2
-3.0	-3.0										-3.0	100									
-2.8	-3.3	-2.8									-2.8	96	100								
-2.6	-3.6	-3.1	-2.6								-2.6	92	96	100							
-2.4	-3.9	-3.4	-2.9	-2.4							-2.4	88	92	96	100						
-2.2	-4.2	-3.7	-3.2	-2.7	-2.2						-2.2	85	88	92	96	100					
-2.0	-4.5	-4.0	-3.5	-3.0	-2.5	-2.0					-2.0	81	85	88	92	96	100				
-1.8	-4.8	-4.3	-3.8	-3.3	-2.8	-2.3	-1.8				-1.8	77	81	85	89	92	96	100			
-1.6	-5.2	-4.6	-4.1	-3.5	-3.0	-2.5	-2.1	-1.6			-1.6	74	78	81	85	89	92	96	100		
-1.4	-5.5	-4.9	-4.4	-3.8	-3.3	-2.8	-2.3	-1.9	-1.4		-1.4	71	74	78	82	85	89	93	96	100	
-1.2	-5.9	-5.3	-4.7	-4.1	-3.6	-3.1	-2.6	-2.1	-1.7	-1.2	-1.2	67	71	75	78	82	85	89	93	96	100
-1.0	-6.2	-5.6	-5.0	-4.5	-3.9	-3.4	-2.9	-2.4	-1.9	-1.5	-1.0	64	68	71	75	78	82	85	89	93	96
-0.8	-6.6	-6.0	-5.4	-4.8	-4.2	-3.7	-3.2	-2.7	-2.2	-1.7	-0.8	61	65	68	72	75	79	82	86	90	93
-0.6	-7.0	-6.3	-5.7	-5.1	-4.5	-4.0	-3.5	-3.0	-2.5	-2.0	-0.6	58	62	65	68	72	75	79	82	86	89
-0.4	-7.4	-6.7	-6.1	-5.5	-4.9	-4.3	-3.8	-3.2	-2.7	-2.2	-0.4	55	59	62	65	69	72	76	79	82	86
-0.2	-7.8	-7.1	-6.4	-5.8	-5.2	-4.6	-4.1	-3.5	-3.0	-2.5	-0.2	53	56	59	62	66	69	72	76	79	83
0.0	-8.2	-7.5	-6.8	-6.2	-5.5	-5.0	-4.4	-3.8	-3.3	-2.8	0.0	50	53	56	60	63	66	69	73	76	79
0.2	-8.6	-7.9	-7.2	-6.5	-5.9	-5.3	-4.7	-4.1	-3.6	-3.1	0.2	47	50	54	57	60	63	66	70	73	76
0.4	-9.1	-8.3	-7.6	-6.9	-6.3	-5.6	-5.0	-4.5	-3.9	-3.4	0.4	45	48	51	54	57	61	64	67	70	73
0.6	-9.5	-8.7	-8.0	-7.3	-6.6	-6.0	-5.4	-4.8	-4.2	-3.7	0.6	42	45	49	52	55	58	61	64	67	71
0.8	-10.0	-9.2	-8.4	-7.7	-7.0	-6.3	-5.7	-5.1	-4.5	-4.0	0.8	40	43	46	49	52	55	58	61	65	68
1.0	-10.5	-9.7	-8.9	-8.1	-7.4	-6.7	-6.1	-5.4	-4.8	-4.3	1.0	38	41	44	47	50	53	56	59	62	65
1.2	-11.0	-10.2	-9.3	-8.5	-7.8	-7.1	-6.4	-5.8	-5.2	-4.6	1.2	36	38	41	44	47	50	53	56	59	62
1.4	-11.6	-10.7	-9.8	-9.0	-8.2	-7.5	-6.8	-6.1	-5.5	-4.9	1.4	33	36	39	42	45	48	51	54	57	60
1.6	-12.2	-11.2	-10.3	-9.5	-8.7	-7.9	-7.2	-6.5	-5.9	-5.2	1.6	31	34	37	40	43	46	48	51	54	57
1.8	-12.8	-11.8	-10.8	-9.9	-9.1	-8.3	-7.6	-6.9	-6.2	-5.6	1.8	29	32	35	38	40	43	46	49	52	55
2.0	-13.4	-12.3	-11.4	-10.4	-9.6	-8.8	-8.0	-7.3	-6.6	-5.9	2.0	27	30	33	35	38	41	44	47	50	52
2.2	-14.1	-13.0	-11.9	-11.0	-10.1	-9.2	-8.5	-7.7	-7.0	-6.3	2.2	25	28	31	33	36	39	42	44	47	50
2.4	-14.8	-13.6	-12.5	-11.5	-10.6	-9.7	-8.9	-8.1	-7.4	-6.7	2.4	23	26	29	31	34	37	39	42	45	48
2.6	-15.5	-14.3	-13.1	-12.1	-11.1	-10.2	-9.4	-8.6	-7.8	-7.1	2.6	21	24	27	29	32	35	37	40	43	46
2.8	-16.4	-15.0	-13.8	-12.7	-11.7	-10.7	-9.8	-9.0	-8.2	-7.5	2.8	19	22	25	27	30	33	35	38	41	43

Table for use when Wet Bulb is covered with ice

Wet Bulb : -3.0 to -1.2

Dry Bulb : 3.0 to 8.4

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2		-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2
3.0	-17.2	-15.8	-14.5	-13.3	-12.2	-11.3	-10.3	-9.5	-8.6	-7.9	3.0	-18	20	23	25	28	31	33	36	39	41
3.2	-18.2	-16.6	-15.2	-14.0	-12.9	-11.8	-10.8	-9.9	-9.1	-8.3	3.2	-16	18	21	24	26	29	31	34	37	39
3.4	-19.2	-17.5	-16.0	-14.7	-13.5	-12.4	-11.4	-10.4	-9.6	-8.7	3.4	-14	17	19	22	24	27	29	32	35	37
3.6	-20.3	-18.5	-16.9	-15.4	-14.2	-13.0	-11.9	-11.0	-10.1	-9.2	3.6	-13	15	18	20	23	25	28	30	33	35
3.8	-21.6	-19.5	-17.8	-16.2	-14.9	-13.7	-12.5	-11.5	-10.6	-9.7	3.8	-11	13	16	18	21	23	26	28	31	33
4.0	-23.0	-20.7	-18.8	-17.1	-15.6	-14.3	-13.2	-12.1	-11.1	-10.2	4.0	9	12	14	17	19	22	24	26	29	31
4.2	-24.6	-22.0	-19.8	-18.0	-16.5	-15.1	-13.8	-12.7	-11.6	-10.7	4.2	8	10	13	15	17	20	22	25	27	30
4.4	-26.5	-23.4	-21.0	-19.0	-17.4	-15.9	-14.5	-13.3	-12.2	-11.2	4.4	6	9	11	13	16	18	21	23	25	28
4.6	-28.8	-25.1	-22.4	-20.2	-18.3	-16.7	-15.3	-14.0	-12.8	-11.8	4.6	5	7	10	12	14	17	19	21	24	26
4.8	-31.7	-27.1	-23.9	-21.4	-19.3	-17.6	-16.1	-14.7	-13.5	-12.3	4.8	4	6	8	10	13	15	17	20	22	24
5.0	-35.9	-29.6	-25.7	-22.8	-20.5	-18.6	-16.9	-15.4	-14.1	-13.0	5.0	2	5	7	9	11	14	16	18	20	23
5.2	-43.2	-32.8	-27.8	-24.4	-21.7	-19.6	-17.8	-16.3	-14.9	-13.6	5.2	1	3	5	8	10	12	14	17	19	21
5.4	-37.6	-30.4	-26.2	-23.2	-20.8	-18.8	-17.1	-15.6	-14.3	-13.0	5.4	2	4	6	8	11	13	15	17	20	
5.6	-47.5	-34.0	-28.4	-24.8	-22.1	-19.9	-18.0	-16.4	-15.0	-13.6	5.6	1	3	5	7	9	11	14	16	18	
5.8	-39.6	-31.3	-26.8	-23.6	-21.1	-19.1	-17.3	-15.8	-14.5	-13.2	5.8	1	4	6	8	10	12	14	17		
6.0	-55.5	-35.2	-29.1	-25.3	-22.4	-20.2	-18.3	-16.6	-15.3	-14.0	6.0	0	2	4	7	9	11	13	15		
6.2	-41.9	-32.2	-27.3	-24.0	-21.4	-19.3	-17.5	-16.2	-14.9	-13.6	6.2		1	3	5	7	9	12	14		
6.4		-36.7	-29.9	-25.8	-22.8	-20.4	-18.5	-17.2	-15.9	-14.6	6.4		2	4	6	8	10	12			
6.6		-45.1	-33.2	-27.9	-24.4	-21.7	-19.5	-18.2	-16.9	-15.6	6.6		1	3	5	7	9	11			
6.8			-38.2	-30.6	-26.2	-23.1	-20.7	-19.4	-18.1	-16.8	6.8		2	4	6	8	10				
7.0			-49.6	-34.2	-28.5	-24.8	-22.0	-20.3	-18.6	-17.3	7.0		0	2	4	6	8				
7.2				-40.0	-31.3	-26.7	-23.5	-21.3	-19.1	-17.9	7.2			1	3	5	7				
7.4					-59.0	-35.3	-29.1	-25.2	-22.4	-20.5	7.4			0	2	4	6				
7.6						-42.1	-32.1	-27.2	-23.4	-21.6	7.6				1	3	5				
7.8							-36.5	-29.6	-25.7	-23.8	7.8					2	4				
8.0								-44.7	-32.9	-28.0	8.0					0	2	4			
8.2									-37.8	-29.1	8.2					1	3	5			
8.4										-48.1	8.4					1	3	5			

Table for use when Wet Bulb is covered with ice

Wet Bulb : -1.0 to 0.8

Dry Bulb : -1.0 to 5.0

Dry Bulb °C	Dew Point °C									
	-1.0	-0.8	-0.6	-0.4	-0.2	0.0	0.2	0.4	0.6	0.8
-1.0	-1.0									
-0.8	-1.3	-0.8								
-0.6	-1.5	-1.1	-0.6							
-0.4	-1.8	-1.3	-0.8	-0.4						
-0.2	-2.0	-1.6	-1.1	-0.6	-0.2					
0.0	-2.3	-1.8	-1.3	-0.9	-0.4	0.0				
0.2	-2.6	-2.1	-1.6	-1.1	-0.7	-0.3	0.2			
0.4	-2.8	-2.3	-1.9	-1.4	-0.9	-0.5	-0.1	0.4		
0.6	-3.1	-2.6	-2.1	-1.6	-1.2	-0.8	-0.3	0.1	0.6	
0.8	-3.4	-2.9	-2.4	-1.9	-1.4	-1.0	-0.6	-0.2	0.3	0.8
1.0	-3.7	-3.2	-2.7	-2.2	-1.7	-1.3	-0.9	-0.4	0.0	0.5
1.2	-4.0	-3.5	-2.9	-2.4	-1.9	-1.6	-1.1	-0.7	-0.2	0.2
1.4	-4.3	-3.8	-3.2	-2.7	-2.2	-1.9	-1.4	-0.9	-0.5	0.0
1.6	-4.6	-4.1	-3.5	-3.0	-2.5	-2.2	-1.7	-1.2	-0.7	-0.3
1.8	-5.0	-4.4	-3.8	-3.3	-2.7	-2.5	-2.0	-1.5	-1.0	-0.5
2.0	-5.3	-4.7	-4.1	-3.6	-3.0	-2.8	-2.3	-1.8	-1.3	-0.8
2.2	-5.7	-5.0	-4.4	-3.9	-3.3	-3.1	-2.6	-2.1	-1.6	-1.1
2.4	-6.0	-5.4	-4.8	-4.2	-3.6	-3.4	-2.9	-2.3	-1.8	-1.4
2.6	-6.4	-5.7	-5.1	-4.5	-3.9	-3.7	-3.2	-2.6	-2.1	-1.6
2.8	-6.8	-6.1	-5.4	-4.8	-4.2	-4.1	-3.5	-3.0	-2.4	-1.9
3.0	-7.1	-6.4	-5.8	-5.1	-4.5	-4.4	-3.8	-3.3	-2.7	-2.2
3.2	-7.5	-6.8	-6.1	-5.5	-4.9	-4.8	-4.2	-3.6	-3.0	-2.5
3.4	-8.0	-7.2	-6.5	-5.8	-5.2	-5.1	-4.5	-3.9	-3.4	-2.8
3.6	-8.4	-7.6	-6.9	-6.2	-5.5	-5.5	-4.9	-4.3	-3.7	-3.1
3.8	-8.8	-8.0	-7.3	-6.6	-5.9	-5.9	-5.2	-4.6	-4.0	-3.4
4.0	-9.3	-8.5	-7.7	-7.0	-6.3	-6.3	-5.6	-5.0	-4.4	-3.8
4.2	-9.8	-8.9	-8.1	-7.3	-6.6	-6.7	-6.0	-5.4	-4.7	-4.1
4.4	-10.3	-9.4	-8.5	-7.8	-7.0	-7.1	-6.4	-5.7	-5.1	-4.5
4.6	-10.8	-9.8	-9.0	-8.2	-7.4	-7.6	-6.8	-6.1	-5.5	-4.8
4.8	-11.3	-10.3	-9.5	-8.6	-7.8	-8.0	-7.3	-6.5	-5.9	-5.2
5.0	-11.9	-10.9	-9.9	-9.1	-8.2	-8.5	-7.7	-7.0	-6.2	-5.6

Dry Bulb °C	Relative Humidity (%)										(800 mb)									
	-1.0	-0.8	-0.6	-0.4	-0.2	0.0	0.2	0.4	0.6	0.8	-1.0	-0.8	-0.6	-0.4	-0.2	0.0	0.2	0.4	0.6	0.8
-1.0	100																			
-0.8	96	100																		
-0.6	93	96	100																	
-0.4	89	93	96	100																
-0.2	86	89	93	96	100															
0.0	83	86	90	93	96	100														
0.2	80	83	86	90	93	97	100													
0.4	77	80	83	87	90	93	97	100												
0.6	74	77	80	84	87	90	93	97	100											
0.8	71	74	77	81	84	87	90	93	97	100										
1.0	68	71	75	78	81	83	87	90	93	97	97	99	100							
1.2	66	69	72	75	78	80	84	87	90	93	97	100								
1.4	63	66	69	72	75	77	81	84	87	90	93	97	100							
1.6	60	63	66	70	73	74	78	81	84	87	90	93	97	100						
1.8	58	61	64	67	70	72	75	78	81	84	87	90	93	97	100					
2.0	55	58	61	64	67	69	72	75	78	81	84	87	90	93	97	100				
2.2	53	56	59	62	65	66	69	72	75	78	81	84	87	90	93	97	100			
2.4	51	54	56	59	62	65	68	71	74	77	80	83	86	89	92	95	98			
2.6	48	51	54	57	60	61	64	67	70	73	76	79	82	85	88	91	94			
2.8	46	49	52	55	57	58	61	64	67	70	73	76	79	82	85	88	91			
3.0	44	47	50	52	55	57	58	61	64	67	70	73	76	79	82	85	88			
3.2	42	45	47	50	53	55	56	59	61	64	67	70	73	76	79	82	85			
3.4	40	43	45	48	51	54	57	60	63	66	69	72	75	78	81	84	87			
3.6	38	41	43	46	49	51	54	57	60	63	66	69	72	75	78	81	84			
3.8	36	39	41	44	46	48	51	54	57	60	63	66	69	72	75	78	81			
4.0	34	37	39	42	44	46	48	51	54	57	60	63	66	69	72	75	78			
4.2	32	35	37	40	42	44	46	49	51	54	57	60	63	66	69	72	75			
4.4	30	33	35	38	40	42	44	46	49	51	54	57	60	63	66	69	72			
4.6	29	31	33	36	38	40	42	44	46	49	51	54	57	60	63	66	69			
4.8	27	29	32	34	37	36	38	40	42	44	47	50	53	56	59	62	65			
5.0	25	28	30	32	35	34	36	38	40	42	45	48	51	54	57	60	63			

Table for use when Wet Bulb is covered with water

Wet Bulb : - 15.0 to -13.2

Dry Bulb : - 15.0 to - 9.2

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C										
	-15.0	-14.8	-14.6	-14.4	-14.2	-14.0	-13.8	-13.6	-13.4	-13.2	-15.0	-14.8	-14.6	-14.4	-14.2	-14.0	-13.8	-13.6	-13.4	-13.2	
-15.0	-15.0										-100										
-14.8	-15.8	-14.8									92	100									
-14.6	-16.6	-15.6	-14.6								83	92	100								
-14.4	-17.4	-16.3	-15.3	-14.4							75	84	92	100							
-14.2	-18.4	-17.2	-16.1	-15.1	-14.2						68	76	84	92	100						
-14.0	-19.4	-18.1	-17.0	-15.9	-14.9	-14.0					60	68	76	84	92	100					
-13.8	-20.5	-19.1	-17.9	-16.7	-15.7	-14.7	-13.8				53	61	69	76	84	92	100				
-13.6	-21.8	-20.2	-18.8	-17.6	-16.5	-15.4	-14.5	-13.6			46	54	61	69	77	84	92	100			
-13.4	-23.2	-21.4	-19.9	-18.5	-17.3	-16.2	-15.2	-14.3	-13.4		39	47	54	62	69	77	85	92	100		
-13.2	-24.8	-22.8	-21.1	-19.6	-18.3	-17.1	-16.0	-15.0	-14.1	-13.2	33	40	48	55	62	70	77	85	92	100	
-13.0	-26.7	-24.3	-22.4	-20.7	-19.3	-18.0	-16.8	-15.7	-14.8	-13.9	27	34	41	48	56	63	70	78	85	93	
-12.8	-29.0	-26.2	-23.9	-22.0	-20.4	-19.0	-17.7	-16.6	-15.5	-14.5	21	28	35	42	49	56	63	71	78	85	
-12.6	-32.0	-28.3	-25.6	-23.5	-21.6	-20.1	-18.7	-17.4	-16.3	-15.3	15	22	29	36	43	50	57	64	71	78	
-12.4	-36.2	-31.1	-27.7	-25.1	-23.0	-21.3	-19.7	-18.4	-17.2	-16.0	9	16	23	30	37	44	51	57	64	72	
-12.2	-43.7	-34.9	-30.2	-27.1	-24.6	-22.6	-20.9	-19.4	-18.1	-16.9	4	11	17	24	31	38	44	51	58	65	
-12.0	-41.0	-33.7	-29.5	-26.5	-24.1	-22.2	-20.5	-19.1	-17.8		5	12	18	25	32	38	45	52	59		
-11.8	-83.1	-38.9	-32.6	-28.7	-25.9	-23.6	-21.8	-20.2	-18.8		0	6	13	19	26	33	39	46	53		
-11.6		-51.6	-37.1	-31.6	-28.0	-25.3	-23.2	-21.4	-19.8		1	8	14	21	27	34	40	47			
-11.4			-46.0	-35.6	-30.7	-27.4	-24.8	-22.7	-21.0		3	9	15	22	28	34	41				
-11.2				-42.5	-34.3	-29.8	-26.7	-24.3	-22.3		4	10	16	23	29	35					
-11.0					-40.0	-33.1	-29.0	-26.1	-23.8			5	11	18	24	30					
-10.8					-57.4	-37.9	-32.0	-28.3	-25.5			1	7	13	19	25					
-10.6						-48.2	-36.2	-31.0	-27.5			2	8	14	20						
-10.4							-43.8	-34.7	-30.1			3	9	15		20					
-10.2								-40.8	-33.4			5	11	18		24					
-10.0									-68.5	-38.5			1	7	13	19	25				
-9.8										-50.1										0	
-9.6											-9.8									6	
-9.4											-9.6									1	
-9.2											-9.4										
											-9.2										

Table for use when Wet Bulb is covered with water

Wet Bulb : - 13.0 to - 11.2

Dry Bulb : - 13.0 to - 7.0

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	-13.0	-12.8	-12.6	-12.4	-12.2	-12.0	-11.8	-11.6	-11.4	-11.2
-13.0	-13.0									
-12.8	-13.6	-12.8								
-12.6	-14.3	-13.4	-12.6							
-12.4	-15.0	-14.1	-13.2	-12.4						
-12.2	-15.8	-14.8	-13.9	-13.0	-12.2					
-12.0	-16.6	-15.5	-14.6	-13.7	-12.8	-12.0				
-11.8	-17.5	-16.3	-15.3	-14.3	-13.4	-12.6	-11.8			
-11.6	-18.4	-17.2	-16.1	-15.0	-14.1	-13.2	-12.4	-11.6		
-11.4	-19.5	-18.1	-16.9	-15.8	-14.8	-13.9	-13.0	-12.2	-11.4	
-11.2	-20.6	-19.1	-17.8	-16.6	-15.5	-14.6	-13.6	-12.8	-12.0	-11.2
-11.0	-21.9	-20.2	-18.8	-17.5	-16.3	-15.3	-14.3	-13.4	-12.6	-11.8
-10.8	-23.3	-21.4	-19.9	-18.5	-17.2	-16.1	-15.0	-14.1	-13.2	-12.3
-10.6	-24.9	-22.8	-21.0	-19.5	-18.1	-16.9	-15.8	-14.8	-13.8	-12.9
-10.4	-26.9	-24.4	-22.3	-20.6	-19.1	-17.8	-16.6	-15.5	-14.5	-13.6
-10.2	-29.2	-26.2	-23.8	-21.9	-20.2	-18.8	-17.5	-16.3	-15.2	-14.2
-10.0	-32.2	-28.4	-25.6	-23.3	-21.4	-19.8	-18.4	-17.2	-16.0	-15.0
-9.8	-36.6	-31.2	-27.6	-25.0	-22.8	-21.0	-19.5	-18.1	-16.8	-15.7
-9.6	-44.7	-35.0	-30.2	-26.9	-24.4	-22.3	-20.6	-19.1	-17.7	-16.5
-9.4	-41.3	-33.6	-29.3	-26.2	-23.8	-21.9	-20.2	-18.7	-17.4	-16.2
-9.2		-38.8	-32.3	-28.4	-25.6	-23.3	-21.4	-19.8	-18.3	-17.0
-9.0		-51.2	-36.7	-31.2	-27.6	-24.9	-22.8	-20.9	-19.4	-18.0
-8.8			-45.1	-35.0	-30.2	-26.8	-24.3	-22.2	-20.5	-18.8
-8.6				-41.4	-33.6	-29.2	-26.1	-23.7	-21.7	-18.6
-8.4					-38.7	-32.3	-28.3	-25.4	-23.2	-18.4
-8.2						-51.1	-36.6	-31.1	-27.5	-24.8
-8.0							-44.8	-34.8	-30.0	-26.7
-7.8								-41.1	-33.3	-29.0
-7.6									-38.4	-32.0
-7.4									-49.7	-36.2
-7.2										-43.9
-7.0										-7.0

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	-13.0	-12.8	-12.6	-12.4	-12.2	-12.0	-11.8	-11.6	-11.4	-11.2
-13.0	100									
-12.8	93	100								
-12.6	86	93	100							
-12.4	79	86	93	100						
-12.2	72	79	86	93	100					
-12.0	65	72	79	86	93	100				
-11.8	59	66	73	79	86	93	100			
-11.6	53	60	66	73	80	86	93	100		
-11.4	47	54	60	67	73	80	87	93	100	
-11.2	42	48	54	61	67	74	80	87	93	100
-11.0	36	42	49	55	61	68	74	81	87	93
-10.8	31	37	43	49	56	62	68	74	81	87
-10.6	26	32	38	44	50	56	62	69	75	81
-10.4	21	27	33	39	45	51	57	63	69	75
-10.2	16	22	28	34	39	45	51	57	63	69
-10.0	11	17	23	29	34	40	46	52	58	64
-9.8	7	13	18	24	30	35	41	47	53	58
-9.6	3	8	14	19	25	31	36	42	47	53
-9.4	4	9	15	20	26	31	37	43	48	
-9.2	5	11	16	21	27	32	38	43		
-9.0	1	6	12	17	22	28	33	39		
-8.8	2	8	13	18	23	29	34			
-8.6	4	9	14	19	24	30				
-8.4	5	10	15	20	25					
-8.2	1	6	11	16	21					
-8.0	2	7	12	17	22					
-7.8	4	8	13	18	23					
-7.6	5	10								
-7.4	1	6								
-7.2	2									
-7.0										

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 11.0 to - 9.2
 Dry Bulb : - 11.0 to - 7.2

Dew Point °C

Dry Bulb °C	Wet Bulb °C								
	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4
-11.0	-11.0								
-10.8	-11.6	-10.8							
-10.6	-12.1	-11.3	-10.6						
-10.4	-12.7	-11.9	-11.1	-10.4					
-10.2	-13.3	-12.5	-11.7	-10.9	-10.2				
-10.0	-14.0	-13.1	-12.3	-11.5	-10.7	-10.0			
-9.8	-14.7	-13.7	-12.9	-12.0	-11.2	-10.5	-9.8		
-9.6	-15.4	-14.4	-13.5	-12.6	-11.8	-11.0	-10.3	-9.6	
-9.4	-16.2	-15.1	-14.1	-13.2	-12.4	-11.6	-10.8	-10.1	-9.4
-9.2	-17.1	-15.9	-14.9	-13.9	-13.0	-12.1	-11.3	-10.6	-9.9
-9.0	-18.0	-16.7	-15.6	-14.6	-13.6	-12.7	-11.9	-11.1	-10.4
-8.8	-19.0	-17.6	-16.4	-15.3	-14.3	-13.4	-12.5	-11.7	-10.9
-8.6	-20.1	-18.6	-17.3	-16.1	-15.0	-14.0	-13.1	-12.2	-11.4
-8.4	-21.3	-19.6	-18.2	-16.9	-15.8	-14.7	-13.7	-12.8	-12.0
-8.2	-22.6	-20.8	-19.2	-17.8	-16.6	-15.5	-14.4	-13.5	-12.6
-8.0	-24.2	-22.1	-20.3	-18.8	-17.5	-16.3	-15.1	-14.1	-13.2
-7.8	-25.9	-23.5	-21.6	-19.9	-18.4	-17.1	-15.9	-14.8	-13.8
-7.6	-28.1	-25.2	-23.0	-21.1	-19.5	-18.0	-16.7	-15.6	-14.5
-7.4	-30.8	-27.2	-24.6	-22.4	-20.6	-19.0	-17.6	-16.4	-15.3
-7.2	-34.4	-29.7	-26.4	-23.9	-21.9	-20.1	-18.6	-17.3	-16.0

Relative Humidity (%)

Dry Bulb °C	Wet Bulb °C								
	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4
-11.0	100								
-10.8	94	100							
-10.6	87	94	100						
-10.4	81	87	94	100					
-10.2	75	82	88	94	100				
-10.0	70	76	82	88	94	100			
-9.8	64	70	76	82	88	94	100		
-9.6	59	65	71	76	82	88	94	100	
-9.4	54	59	65	71	77	82	88	94	100
-9.2	49	54	60	66	71	77	83	88	94
-9.0	44	49	55	61	66	72	77	83	89
-8.8	39	45	50	56	61	66	72	78	83
-8.6	35	40	45	51	56	61	67	72	78
-8.4	30	36	41	46	51	57	62	67	73
-8.2	26	31	36	42	47	52	57	62	68
-8.0	22	27	32	37	42	47	53	58	63
-7.8	18	23	28	33	38	43	48	53	58
-7.6	14	19	24	29	34	39	44	49	54
-7.4	11	15	20	25	30	35	39	44	49
-7.2	7	12	16	21	26	31	35	40	45

Wet Bulb : - 11.0 to - 9.2
 Dry Bulb : - 7.0 to - 4.0

Table for use when Wet Bulb is covered with water

Dew Point °C											Relative Humidity (%)										(800 mb)					
Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C														
-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4	-9.2	-11.0	-10.8	-10.6	-10.4	-10.2	-10.0	-9.8	-9.6	-9.4	-9.2	-11.0	-10.8	(800 mb)				
-7.0	-40.3	-32.9	-28.7	-25.7	-23.3	-21.3	-19.7	-18.2	-16.9	-15.7	-7.0	4	8	13	17	22	27	31	36	41	46					
-6.8	-60.7	-37.7	-31.6	-27.7	-24.9	-22.7	-20.8	-19.2	-17.8	-16.5	-6.8	0	5	9	14	18	23	28	32	37	42					
-6.6		-47.6	-35.6	-30.3	-26.9	-24.2	-22.1	-20.3	-18.8	-17.4	-6.6	1	6	10	15	19	24	29	33	38						
-6.4			-42.5	-33.8	-29.2	-26.1	-23.6	-21.6	-19.8	-18.3	-6.4		3	7	11	16	20	25	29	34						
-6.2				-39.2	-32.3	-28.2	-25.3	-23.0	-21.0	-19.4	-6.2			4	8	13	17	21	26	30						
-6.0					-53.2	-36.7	-31.0	-27.3	-24.5	-22.3	-6.0				1	5	9	14	18	22	27					
-5.8						-45.1	-34.7	-29.8	-26.4	-23.8	-5.8					2	6	10	15	19	23					
-5.6							-40.8	-33.0	-28.7	-25.6	-5.6						3	7	11	16	20					
-5.4								-70.9	-37.9	-31.6	-5.4						0	4	8	12	17					
-5.2									-48.2	-35.6	-30.2	-5.2							1	5	9	13				
-5.0										-42.5	-33.7	-29.1	-5.0							2	6	10				
-4.8											-39.0	-32.1	-4.8								3	7				
-4.6												-52.2	-36.4	-4.6								1	5			
-4.4													-44.3	-4.4									2			
-4.2														-4.2												
-4.0															-4.0											

Table for use when Wet Bulb is covered with ice

Wet Bulb : - 9.0 to - 7.2
Dry Bulb : - 9.0 to -5.2

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C										
	-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2		-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2	
-9.0	-9.0										-9.0	100										
-8.8	-9.5	-8.8									-8.8	94	100									
-8.6	-9.9	-9.3	-8.6								-8.6	89	94	100								
-8.4	-10.4	-9.7	-9.1	-8.4							-8.4	84	89	94	100							
-8.2	-11.0	-10.2	-9.5	-8.8	-8.2						-8.2	78	84	89	95	100						
-8.0	-11.5	-10.7	-10.0	-9.3	-8.6	-8.0					-8.0	73	79	84	89	95	100					
-7.8	-12.1	-11.3	-10.5	-9.8	-9.1	-8.4	-7.8				-7.8	68	74	79	84	89	95	100				
-7.6	-12.7	-11.8	-11.0	-10.3	-9.5	-8.9	-8.2	-7.6			-7.6	64	69	74	79	84	90	95	100			
-7.4	-13.3	-12.4	-11.6	-10.8	-10.0	-9.3	-8.7	-8.0	-7.4		-7.4	59	64	69	74	79	84	90	95	100		
-7.2	-13.9	-13.0	-12.1	-11.3	-10.5	-9.8	-9.1	-8.4	-7.8	-7.2	-7.2	55	60	65	70	75	80	85	90	95	100	
-7.0	-14.6	-13.6	-12.7	-11.9	-11.1	-10.3	-9.6	-8.9	-8.2	-7.6	-7.0	51	55	60	65	70	75	80	85	90	95	
-6.8	-15.4	-14.3	-13.3	-12.4	-11.6	-10.8	-10.0	-9.3	-8.7	-8.0	-6.8	46	51	56	61	65	70	75	80	85	90	
-6.6	-16.2	-15.0	-14.0	-13.1	-12.2	-11.3	-10.6	-9.8	-9.1	-8.4	-6.6	42	47	52	56	61	66	71	75	80	85	
-6.4	-17.0	-15.8	-14.7	-13.7	-12.8	-11.9	-11.1	-10.3	-9.6	-8.9	-6.4	38	43	48	52	57	62	66	71	76	81	
-6.2	-17.9	-16.6	-15.4	-14.4	-13.4	-12.5	-11.6	-10.8	-10.1	-9.3	-6.2	35	39	44	48	53	57	62	67	71	76	
-6.0	-18.9	-17.5	-16.3	-15.1	-14.1	-13.1	-12.2	-11.3	-10.6	-9.8	-6.0	31	35	40	44	49	53	58	62	67	72	
-5.8	-20.0	-18.5	-17.1	-15.9	-14.8	-13.7	-12.8	-11.9	-11.1	-10.3	-5.8	27	32	36	41	45	49	54	58	63	67	
-5.6	-21.2	-19.5	-18.0	-16.7	-15.5	-14.4	-13.4	-12.5	-11.6	-10.8	-5.6	24	28	33	37	41	46	50	54	59	63	
-5.4	-22.5	-20.6	-19.0	-17.6	-16.3	-15.1	-14.1	-13.1	-12.2	-11.3	-5.4	21	25	29	33	38	42	46	51	55	59	
-5.2	-24.1	-21.9	-20.1	-18.6	-17.2	-15.9	-14.8	-13.8	-12.8	-11.9	-5.2	17	22	26	30	34	38	43	47	51	55	

Table for use when Wet Bulb is covered with water

Wet Bulb : - 9.0 to - 7.2

Dry Bulb : - 5.0 to - 1.2

Dry Bulb °C	Dew Point °C							Relative Humidity (%)							(800 mb)						
	-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2	-9.0	-8.8	-8.6	-8.4	-8.2	-8.0	-7.8	-7.6	-7.4	-7.2	
-5.0	-25.9	-23.4	-21.3	-19.6	-18.1	-16.8	-15.6	-14.4	-13.4	-12.5	-5.0	14	18	23	27	31	35	39	43	47	52
-4.8	-28.0	-25.0	-22.7	-20.8	-19.1	-17.7	-16.4	-15.2	-14.1	-13.1	-4.8	11	15	19	23	27	32	36	40	44	48
-4.6	-30.7	-27.0	-24.3	-22.1	-20.2	-18.6	-17.2	-16.0	-14.8	-13.8	-4.6	8	12	16	20	24	28	32	36	40	45
-4.4	-34.3	-29.4	-26.1	-23.5	-21.4	-19.7	-18.2	-16.8	-15.6	-14.4	-4.4	6	9	13	17	21	25	29	33	37	41
-4.2	-40.0	-32.5	-28.3	-25.2	-22.8	-20.9	-19.2	-17.7	-16.4	-15.2	-4.2	3	7	11	14	18	22	26	30	34	38
-4.0	-58.3	-37.1	-31.0	-27.2	-24.4	-22.2	-20.3	-18.7	-17.2	-16.0	-4.0	0	4	8	12	15	19	23	27	31	35
-3.8	-46.0	-34.8	-29.7	-26.2	-23.6	-21.5	-19.7	-18.2	-16.8	-15.6	-3.8	1	5	9	12	16	20	24	28	31	
-3.6	-41.0	-32.9	-28.5	-25.3	-22.9	-20.9	-19.2	-17.7	-16.0	-14.8	-3.6	2	6	10	13	17	21	25	28		
-3.4	-96.4	-37.7	-31.3	-27.4	-24.5	-22.2	-20.3	-18.7	-16.0	-14.8	-3.4	0	4	7	11	14	18	22	25		
-3.2	-47.6	-35.2	-29.9	-26.3	-23.7	-21.5	-19.7	-18.0	-16.0	-14.8	-3.2	1	5	8	12	15	19	23			
-3.0	-41.7	-33.2	-28.6	-25.4	-22.9	-20.9	-19.2	-17.5	-15.8	-14.6	-3.0	3	6	9	13	16	20				
-2.8	-38.1	-31.5	-27.4	-24.5	-22.2	-20.3	-18.7	-17.0	-15.3	-14.1	-2.8	5	8	12	15	19	23				
-2.6	-49.0	-35.5	-30.0	-26.4	-23.7	-21.1	-19.7	-17.8	-16.1	-14.9	-2.6	1	4	8	11	15					
-2.4	-42.3	-33.3	-28.7	-25.4	-22.3	-20.0	-18.4	-16.8	-15.1	-14.0	-2.4	2	5	9	12						
-2.2	-38.4	-31.5	-27.5	-24.7	-22.2	-19.8	-18.0	-16.3	-14.6	-13.5	-2.2	3	7	10	14						
-2.0	-50.0	-35.6	-30.0	-26.0	-23.0	-20.0	-18.0	-16.0	-14.0	-12.8	-2.0	1	4	8	11						
-1.8	-42.6	-33.4	-28.8	-25.6	-22.6	-19.6	-17.8	-16.0	-14.2	-13.0	-1.8	2	5	9	12						
-1.6	-38.5	-30.8	-27.8	-24.8	-21.8	-18.8	-17.0	-15.2	-13.4	-12.2	-1.6	3	6	10							
-1.4	-50.2	-35.8	-30.8	-27.8	-24.8	-21.8	-18.8	-17.0	-15.2	-14.0	-1.4	1	4	7							
-1.2	-40.1	-30.9	-26.9	-23.9	-20.9	-17.9	-16.1	-14.3	-12.5	-11.3	-1.2	0	3	6	9						

Table for use when Wet Bulb is covered with water

Wet Bulb : - 7.0 to - 5.2

Dry Bulb : - 7.0 to - 3.2

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2
-7.0	-7.0									
-6.8	-7.4	-6.8								
-6.6	-7.8	-7.2	-6.6							
-6.4	-8.2	-7.6	-7.0	-6.4						
-6.2	-8.7	-8.0	-7.4	-6.8	-6.2					
-6.0	-9.1	-8.4	-7.8	-7.2	-6.6	-6.0				
-5.8	-9.6	-8.9	-8.2	-7.6	-7.0	-6.4	-5.8			
-5.6	-10.0	-9.3	-8.6	-8.0	-7.3	-6.7	-6.2	-5.6		
-5.4	-10.5	-9.8	-9.1	-8.4	-7.7	-7.1	-6.5	-6.0	-5.4	
-5.2	-11.1	-10.3	-9.5	-8.8	-8.2	-7.5	-6.9	-6.3	-5.8	-5.2
-5.0	-11.6	-10.8	-10.0	-9.3	-8.6	-7.9	-7.3	-6.7	-6.1	-5.5
-4.8	-12.2	-11.3	-10.5	-9.8	-9.0	-8.4	-7.7	-7.1	-6.5	-5.9
-4.6	-12.8	-11.9	-11.0	-10.3	-9.5	-8.8	-8.1	-7.5	-6.9	-6.3
-4.4	-13.4	-12.5	-11.6	-10.8	-10.0	-9.2	-8.5	-7.9	-7.2	-6.6
-4.2	-14.1	-13.1	-12.2	-11.3	-10.5	-9.7	-9.0	-8.3	-7.6	-7.0
-4.0	-14.8	-13.7	-12.8	-11.9	-11.0	-10.2	-9.4	-8.7	-8.0	-7.4
-3.8	-15.6	-14.4	-13.4	-12.4	-11.5	-10.7	-9.9	-9.2	-8.5	-7.8
-3.6	-16.4	-15.2	-14.1	-13.1	-12.1	-11.2	-10.4	-9.6	-8.9	-8.2
-3.4	-17.2	-15.9	-14.8	-13.7	-12.7	-11.8	-10.9	-10.1	-9.4	-8.7
-3.2	-18.2	-16.8	-15.5	-14.4	-13.3	-12.4	-11.5	-10.6	-9.9	-9.1

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2
-7.0	100									
-6.8	95	100								
-6.6	90	95	100							
-6.4	85	90	95	100						
-6.2	81	86	90	95	100					
-6.0	76	81	86	90	95	100				
-5.8	72	77	81	86	91	95	100			
-5.6	68	72	77	81	86	91	95	100		
-5.4	64	68	73	77	82	86	91	95	100	
-5.2	60	64	69	73	77	82	86	91	95	100
-5.0	56	60	65	69	73	78	82	87	91	95
-4.8	52	56	61	65	69	74	78	82	87	91
-4.6	49	53	57	61	65	70	74	78	82	87
-4.4	45	49	53	57	62	66	70	74	78	83
-4.2	42	46	50	54	58	62	66	70	74	79
-4.0	38	42	46	50	54	58	62	66	70	74
-3.8	35	39	43	47	51	55	59	63	67	71
-3.6	32	36	40	44	47	51	55	59	63	67
-3.4	29	33	37	40	44	48	52	56	60	64
-3.2	26	30	34	37	41	45	49	52	56	60

Table for use when Wet Bulb is covered with water

Wet Bulb : - 7.0 to - 5.2

Dry Bulb : - 3.0 to 1.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2		-7.0	-6.8	-6.6	-6.4	-6.2	-6.0	-5.8	-5.6	-5.4	-5.2
-3.0	-19.2	-17.7	-16.3	-15.1	-14.0	-13.0	-12.0	-11.2	-10.3	-9.6	-3.0	23	27	31	34	38	42	45	49	53	57
-2.8	-20.3	-18.6	-17.2	-15.9	-14.7	-13.6	-12.6	-11.7	-10.9	-10.1	-2.8	21	24	28	31	35	39	42	46	50	53
-2.6	-21.5	-19.7	-18.1	-16.7	-15.5	-14.3	-13.3	-12.3	-11.4	-10.6	-2.6	18	22	25	29	32	36	39	43	47	50
-2.4	-22.9	-20.9	-19.1	-17.6	-16.3	-15.0	-13.9	-12.9	-12.0	-11.1	-2.4	15	19	22	26	29	33	36	40	43	47
-2.2	-24.5	-22.2	-20.2	-18.6	-17.1	-15.8	-14.6	-13.6	-12.6	-11.6	-2.2	13	16	20	23	27	30	34	37	41	44
-2.0	-26.4	-23.7	-21.5	-19.6	-18.0	-16.6	-15.4	-14.2	-13.2	-12.2	-2.0	11	14	17	21	24	27	31	34	38	41
-1.8	-28.6	-25.4	-22.9	-20.8	-19.1	-17.5	-16.2	-15.0	-13.8	-12.8	-1.8	8	12	15	18	21	25	28	31	35	38
-1.6	-31.5	-27.4	-24.5	-22.1	-20.2	-18.5	-17.0	-15.7	-14.5	-13.5	-1.6	6	9	12	16	19	22	26	29	32	36
-1.4	-35.6	-29.9	-26.3	-23.6	-21.4	-19.5	-17.9	-16.5	-15.3	-14.1	-1.4	4	7	10	13	17	20	23	26	30	33
-1.2	-42.5	-33.3	-28.5	-25.3	-22.8	-20.7	-18.9	-17.4	-16.1	-14.8	-1.2	2	5	8	11	14	17	21	24	27	30
-1.0	-38.3	-31.4	-27.3	-24.3	-22.0	-20.0	-18.4	-16.9	-15.6	-14.3	-1.0	3	6	9	12	15	18	21	25	28	
-0.8	-49.8	-35.4	-29.8	-26.2	-23.4	-21.2	-19.4	-17.8	-16.4	-15.1	-0.8	1	4	7	10	13	16	19	22	25	
-0.6	-42.2	-33.1	-28.4	-25.1	-22.6	-20.5	-18.8	-17.3	-16.0	-14.7	-0.6	2	5	8	11	14	17	20	23		
-0.4	-38.0	-31.2	-27.1	-24.2	-21.8	-19.9	-18.2	-16.9	-15.6	-14.3	-0.4	3	6	9	12	15	18	21			
-0.2	-48.6	-35.0	-29.5	-26.0	-23.3	-21.1	-19.2	-17.9	-16.6	-15.3	-0.2	1	4	7	10	12	15	18			
0.0	-41.5	-32.7	-28.1	-24.9	-22.4	-20.4	-19.0	-17.6	-16.3	-15.0	0.0	2	5	7	10	13	16				
0.2	-37.5	-30.8	-26.8	-23.9	-21.6	-19.3	-17.9	-16.5	-15.2	-14.0	0.2	3	6	9	12	15	18				
0.4	-47.1	-34.6	-29.2	-25.7	-23.0	-20.4	-19.0	-17.6	-16.3	-15.0	0.4	1	4	7	10	12	15				
0.6	-40.6	-32.3	-27.8	-24.6	-21.9	-19.6	-18.2	-16.9	-15.6	-14.3	0.6	2	5	7	10	13					
0.8	-66.1	-36.8	-30.4	-26.5	-23.1	-19.8	-17.4	-15.1	-13.8	-12.5	0.8	3	6	8	11	14					
1.0	-45.3	-34.0	-28.8	-25.3	-22.5	-19.1	-16.7	-14.4	-12.1	-10.8	1.0	4	7	10	13	16					
1.2	-39.5	-31.8	-27.0	-24.0	-21.2	-18.0	-15.8	-13.6	-11.4	-10.1	1.2	5	8	11	14						
1.4	-55.2	-35.9	-32.5	-29.1	-26.0	-22.8	-20.0	-17.4	-14.8	-12.5	1.4	6	9	12							
1.6	-43.3	-38.0	-34.0	-30.4	-27.0	-23.6	-20.4	-17.6	-14.8	-12.5	1.6	7	10	13							
1.8	-40.6	-35.4	-31.8	-28.4	-25.0	-21.6	-18.4	-15.2	-12.6	-10.4	1.8	8	11	14							

Table for use when Wet Bulb is covered with water

Wet Bulb : - 5.0 to - 3.2

Dry Bulb : - 5.0 to - 0.2

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2		-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2
-5.0	-5.0										-5.0	100									
-4.8	-5.3	-4.8									-4.8	96	100								
-4.6	-5.7	-5.1	-4.6								-4.6	91	96	100							
-4.4	-6.0	-5.5	-4.9	-4.4							-4.4	87	91	96	100						
-4.2	-6.4	-5.8	-5.3	-4.7	-4.2						-4.2	83	87	91	96	100					
-4.0	-6.8	-6.2	-5.6	-5.1	-4.5	-4.0					-4.0	79	83	87	91	96	100				
-3.8	-7.2	-6.5	-6.0	-5.4	-4.8	-4.3	-3.8				-3.8	75	79	83	87	92	96	100			
-3.6	-7.6	-6.9	-6.3	-5.7	-5.2	-4.6	-4.1	-3.6			-3.6	71	75	79	83	87	92	96	100		
-3.4	-8.0	-7.3	-6.7	-6.1	-5.5	-5.0	-4.4	-3.9	-3.4		-3.4	68	71	75	80	84	88	92	96	100	
-3.2	-8.4	-7.7	-7.1	-6.5	-5.9	-5.3	-4.7	-4.2	-3.7	-3.2	-3.2	64	68	72	76	80	84	88	92	96	100
-3.0	-8.8	-8.1	-7.5	-6.8	-6.2	-5.6	-5.1	-4.5	-4.0	-3.5	-3.0	61	64	68	72	76	80	84	88	92	96
-2.8	-9.3	-8.6	-7.9	-7.2	-6.6	-6.0	-5.4	-4.9	-4.3	-3.8	-2.8	57	61	65	69	72	76	80	84	88	92
-2.6	-9.8	-9.0	-8.3	-7.6	-7.0	-6.4	-5.8	-5.2	-4.6	-4.1	-2.6	54	58	61	65	69	73	76	80	84	88
-2.4	-10.3	-9.5	-8.7	-8.0	-7.4	-6.7	-6.1	-5.5	-5.0	-4.4	-2.4	51	54	58	62	65	69	73	77	81	84
-2.2	-10.8	-10.0	-9.2	-8.5	-7.8	-7.1	-6.5	-5.9	-5.3	-4.7	-2.2	48	51	55	58	62	66	69	73	77	81
-2.0	-11.3	-10.5	-9.7	-8.9	-8.2	-7.5	-6.9	-6.2	-5.6	-5.1	-2.0	45	48	52	55	59	63	66	70	73	77
-1.8	-11.9	-11.0	-10.1	-9.4	-8.6	-7.9	-7.2	-6.6	-6.0	-5.4	-1.8	42	45	49	52	56	59	63	66	70	74
-1.6	-12.5	-11.5	-10.7	-9.8	-9.1	-8.3	-7.6	-7.0	-6.4	-5.7	-1.6	39	42	46	49	53	56	60	63	67	70
-1.4	-13.1	-12.1	-11.2	-10.3	-9.5	-8.8	-8.1	-7.4	-6.7	-6.1	-1.4	36	40	43	46	50	53	57	60	64	67
-1.2	-13.7	-12.7	-11.7	-10.8	-10.0	-9.2	-8.5	-7.8	-7.1	-6.5	-1.2	34	37	40	44	47	50	54	57	61	64
-1.0	-14.4	-13.3	-12.3	-11.4	-10.5	-9.7	-8.9	-8.2	-7.5	-6.8	-1.0	31	34	37	41	44	47	51	54	57	61
-0.8	-15.1	-14.0	-12.9	-12.0	-11.0	-10.2	-9.4	-8.6	-7.9	-7.2	-0.8	28	32	35	38	41	45	48	51	55	58
-0.6	-15.9	-14.7	-13.6	-12.5	-11.6	-10.7	-9.9	-9.1	-8.3	-7.6	-0.6	26	29	32	36	39	42	45	48	52	55
-0.4	-16.7	-15.4	-14.3	-13.2	-12.2	-11.2	-10.4	-9.5	-8.8	-8.0	-0.4	24	27	30	33	36	39	43	46	49	52
-0.2	-17.6	-16.2	-15.0	-13.8	-12.8	-11.8	-10.9	-10.0	-9.2	-8.5	-0.2	21	24	28	31	34	37	40	43	46	49

Table for use when Wet Bulb is covered with water

Wet Bulb : - 5.0 to - 3.2

Dry Bulb : 0.0 to 5.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2
0.0	-18.6	-17.1	-15.7	-14.5	-13.4	-12.4	-11.4	-10.5	-9.7	-8.9
0.2	-19.7	-18.0	-16.6	-15.3	-14.1	-13.0	-12.0	-11.1	-10.2	-9.4
0.4	-20.8	-19.0	-17.4	-16.0	-14.8	-13.6	-12.6	-11.6	-10.7	-9.9
0.6	-22.2	-20.1	-18.4	-16.9	-15.5	-14.3	-13.2	-12.2	-11.3	-10.4
0.8	-23.6	-21.4	-19.4	-17.8	-16.3	-15.1	-13.9	-12.8	-11.8	-10.9
1.0	-25.4	-22.7	-20.6	-18.8	-17.2	-15.8	-14.6	-13.4	-12.4	-11.4
1.2	-27.4	-24.3	-21.9	-19.9	-18.2	-16.7	-15.3	-14.1	-13.0	-12.0
1.4	-29.9	-26.1	-23.3	-21.1	-19.2	-17.5	-16.1	-14.8	-13.7	-12.6
1.6	-33.3	-28.3	-25.0	-22.4	-20.3	-18.5	-17.0	-15.6	-14.3	-13.2
1.8	-38.3	-31.1	-26.9	-23.9	-21.5	-19.6	-17.9	-16.4	-15.1	-13.9
2.0	-49.8	-35.0	-29.3	-25.7	-22.9	-20.7	-18.9	-17.3	-15.8	-14.6
2.2	-41.4	-32.5	-27.8	-24.5	-22.0	-20.0	-18.2	-16.7	-15.3	
2.4	-37.0	-30.4	-26.4	-23.5	-21.2	-19.2	-17.6	-16.1		
2.6	-46.0	-34.0	-28.7	-25.2	-22.5	-20.4	-18.5	-16.9		
2.8	-39.5	-31.6	-27.2	-24.1	-21.6	-19.6	-17.9			
3.0	-55.4	-35.7	-29.7	-25.8	-23.0	-20.8	-18.9			
3.2	-42.9	-32.9	-28.0	-24.6	-22.1	-19.9				
3.4		-37.7	-30.7	-26.5	-23.5	-21.2				
3.6		-48.0	-34.4	-28.8	-25.2	-22.5				
3.8			-40.2	-31.8	-27.2	-24.0				
4.0			-61.0	-36.0	-29.7	-25.8				
4.2				-43.6	-33.0	-28.0				
4.4					-37.9	-30.7				
4.6					-48.6	-34.4				
4.8						-40.3				
5.0						-61.2				

Dry Bulb °C	Wet Bulb °C									
	-5.0	-4.8	-4.6	-4.4	-4.2	-4.0	-3.8	-3.6	-3.4	-3.2
0.0	19	22	25	28	31	34	37	40	44	47
0.2	17	20	23	26	29	32	35	38	41	44
0.4	15	18	21	24	27	30	33	36	39	42
0.6	13	16	19	22	25	28	30	33	36	39
0.8	11	14	17	20	22	25	28	31	34	37
1.0	9	12	15	18	20	23	26	29	32	35
1.2	7	10	13	16	18	21	24	27	30	33
1.4	6	8	11	14	16	19	22	25	28	30
1.6	4	7	9	12	15	17	20	23	26	28
1.8	2	5	7	10	13	15	18	21	24	26
2.0	1	3	6	8	11	14	16	19	22	24
2.2		1	4	7	9	12	14	17	20	22
2.4			2	5	8	10	13	15	18	21
2.6			1	3	6	8	11	13	16	19
2.8				2	4	7	9	12	14	17
3.0					0	3	5	8	10	13
3.2						1	4	6	8	11
3.4							2	4	7	9
3.6								1	3	5
3.8									2	4
4.0									0	2
4.2										1
4.4										3
4.6										1
4.8										0
5.0										

Table for use when Wet Bulb is covered with water

Wet Bulb : - 3.0 to - 1.2

Dry Bulb : - 3.0 to 2.8

Dry Bulb °C	Dew Point °C										Relative Humidity (%)										(800 mb)						
	Wet Bulb °C										Wet Bulb °C																
-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2	-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2	-3.0	-2.8	-2.6	-2.4	-2.2	-2.0		
-3.0	-3.0									-3.0	100																
-2.8	-3.3	-2.8								-2.8	96	100															
-2.6	-3.6	-3.1	-2.6							-2.6	92	96	100														
-2.4	-3.9	-3.4	-2.9	-2.4						-2.4	88	92	96	100													
-2.2	-4.2	-3.7	-3.2	-2.7	-2.2					-2.2	85	88	92	96	100												
-2.0	-4.5	-4.0	-3.5	-3.0	-2.5	-2.0				-2.0	81	85	88	92	96	100											
-1.8	-4.8	-4.3	-3.8	-3.3	-2.8	-2.3	-1.8			-1.8	77	81	85	89	92	96	100										
-1.6	-5.2	-4.6	-4.1	-3.5	-3.0	-2.5	-2.1	-1.6		-1.6	74	78	81	85	89	92	96	100									
-1.4	-5.5	-4.9	-4.4	-3.8	-3.3	-2.8	-2.3	-1.9	-1.4	-1.4	71	74	78	82	85	89	93	96	100								
-1.2	-5.9	-5.3	-4.7	-4.1	-3.6	-3.1	-2.6	-2.1	-1.7	-1.2	-1.2	67	71	75	78	82	85	89	93	96	100						
-1.0	-6.2	-5.6	-5.0	-4.5	-3.9	-3.4	-2.9	-2.4	-1.9	-1.5	-1.0	64	68	71	75	78	82	85	89	93	96						
-0.8	-6.6	-6.0	-5.4	-4.8	-4.2	-3.7	-3.2	-2.7	-2.2	-1.7	-0.8	61	65	68	72	75	79	82	86	89	93						
-0.6	-7.0	-6.3	-5.7	-5.1	-4.5	-4.0	-3.5	-3.0	-2.5	-2.0	-0.6	58	62	65	68	72	75	79	82	86	89						
-0.4	-7.4	-6.7	-6.1	-5.5	-4.9	-4.3	-3.8	-3.2	-2.7	-2.2	-0.4	55	59	62	65	69	72	76	79	82	86						
-0.2	-7.8	-7.1	-6.4	-5.8	-5.2	-4.6	-4.1	-3.5	-3.0	-2.5	-0.2	53	56	59	62	66	69	72	76	79	83						
0.0	-8.2	-7.5	-6.8	-6.2	-5.5	-5.0	-4.4	-3.8	-3.3	-2.8	0.0	50	53	56	60	63	66	69	73	76	79						
0.2	-8.6	-7.9	-7.2	-6.5	-5.9	-5.3	-4.7	-4.1	-3.6	-3.1	0.2	47	50	54	57	60	63	66	70	73	76						
0.4	-9.1	-8.3	-7.6	-6.9	-6.3	-5.6	-5.0	-4.5	-3.9	-3.4	0.4	45	48	51	54	57	61	64	67	70	73						
0.6	-9.5	-8.7	-8.0	-7.3	-6.6	-6.0	-5.4	-4.8	-4.2	-3.7	0.6	42	45	49	52	55	58	61	64	67	71						
0.8	-10.0	-9.2	-8.4	-7.7	-7.0	-6.3	-5.7	-5.1	-4.5	-4.0	0.8	40	43	46	49	52	55	58	61	65	68						
1.0	-10.5	-9.7	-8.9	-8.1	-7.4	-6.7	-6.1	-5.4	-4.8	-4.3	1.0	38	41	44	47	50	53	56	59	62	65						
1.2	-11.0	-10.2	-9.3	-8.5	-7.8	-7.1	-6.4	-5.8	-5.2	-4.6	1.2	36	38	41	44	47	50	53	56	59	62						
1.4	-11.6	-10.7	-9.8	-9.0	-8.2	-7.5	-6.8	-6.1	-5.5	-4.9	1.4	33	36	39	42	45	48	51	54	57	60						
1.6	-12.2	-11.2	-10.3	-9.5	-8.7	-7.9	-7.2	-6.5	-5.9	-5.2	1.6	31	34	37	40	43	46	48	51	54	57						
1.8	-12.8	-11.8	-10.8	-9.9	-9.1	-8.3	-7.6	-6.9	-6.2	-5.6	1.8	29	32	35	38	40	43	46	49	52	55						
2.0	-13.4	-12.3	-11.4	-10.4	-9.6	-8.8	-8.0	-7.3	-6.6	-5.9	2.0	27	30	33	35	38	41	44	47	50	52						
2.2	-14.1	-13.0	-11.9	-11.0	-10.1	-9.2	-8.5	-7.7	-7.0	-6.3	2.2	25	28	31	33	36	39	42	44	47	50						
2.4	-14.8	-13.6	-12.5	-11.5	-10.6	-9.7	-8.9	-8.1	-7.4	-6.7	2.4	23	26	29	31	34	37	39	42	45	48						
2.6	-15.5	-14.3	-13.1	-12.1	-11.1	-10.2	-9.4	-8.6	-7.8	-7.1	2.6	21	24	27	29	32	35	37	40	43	46						
2.8	-16.4	-15.0	-13.8	-12.7	-11.7	-10.7	-9.8	-9.0	-8.2	-7.5	2.8	19	22	25	27	30	33	35	38	41	43						

Wet Bulb : -3.0 to -1.2
Dry Bulb : 3.0 to 8.4

Table for use when Wet Bulb is covered with water

<u>Dew Point °C</u>										
Dry Bulb °C	<u>Wet Bulb °C</u>									
	-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2
3.0	-17.2	-15.8	-14.5	-13.3	-12.2	-11.3	-10.3	-9.5	-8.6	-7.9
3.2	-18.2	-16.6	-15.2	-14.0	-12.9	-11.8	-10.8	-9.9	-9.1	-8.3
3.4	-19.2	-17.5	-16.0	-14.7	-13.5	-12.4	-11.4	-10.4	-9.6	-8.7
3.6	-20.3	-18.5	-16.9	-15.4	-14.2	-13.0	-11.9	-11.0	-10.1	-9.2
3.8	-21.6	-19.5	-17.8	-16.2	-14.9	-13.7	-12.5	-11.5	-10.6	-9.7
4.0	-23.0	-20.7	-18.8	-17.1	-15.6	-14.3	-13.2	-12.1	-11.1	-10.2
4.2	-24.6	-22.0	-19.8	-18.0	-16.5	-15.1	-13.8	-12.7	-11.6	-10.7
4.4	-26.5	-23.4	-21.0	-19.0	-17.4	-15.9	-14.5	-13.3	-12.2	-11.2
4.6	-28.8	-25.1	-22.4	-20.2	-18.3	-16.7	-15.3	-14.0	-12.8	-11.8
4.8	-31.7	-27.1	-23.9	-21.4	-19.3	-17.6	-16.1	-14.7	-13.5	-12.3
5.0	-35.9	-29.6	-25.7	-22.8	-20.5	-18.6	-16.9	-15.4	-14.1	-13.0
5.2	-43.2	-32.8	-27.8	-24.4	-21.7	-19.6	-17.8	-16.3	-14.9	-13.6
5.4	-37.6	-30.4	-26.2	-23.2	-20.8	-18.8	-17.1	-15.6	-14.3	
5.6	-47.5	-34.0	-28.4	-24.8	-22.1	-19.9	-18.0	-16.4	-15.0	
5.8	-39.6	-31.3	-26.8	-23.6	-21.1	-19.1	-17.3	-15.8		
6.0	-55.5	-35.2	-29.1	-25.3	-22.4	-20.2	-18.3	-16.6		
6.2	-41.9	-32.2	-27.3	-24.0	-21.4	-19.3	-17.5			
6.4		-36.7	-29.9	-25.8	-22.8	-20.4	-18.5			
6.6		-45.1	-33.2	-27.9	-24.4	-21.7	-19.5			
6.8			-38.2	-30.6	-26.2	-23.1	-20.7			
7.0			-49.6	-34.2	-28.5	-24.8	-22.0			
7.2				-40.0	-31.3	-26.7	-23.5			
7.4				-59.0	-35.3	-29.1	-25.2			
7.6					-42.1	-32.1	-27.2			
7.8						-36.5	-29.6			
8.0						-44.7	-32.9			
8.2							-37.8			
8.4							-48.1			

<u>Relative Humidity (%)</u>										
Dry Bulb °C	<u>Wet Bulb °C</u>									
	-3.0	-2.8	-2.6	-2.4	-2.2	-2.0	-1.8	-1.6	-1.4	-1.2
3.0	18	20	23	25	28	31	33	36	39	41
3.2	16	18	21	24	26	29	31	34	37	39
3.4	14	17	19	22	24	27	29	32	35	37
3.6	13	15	18	20	23	25	28	30	33	35
3.8	11	13	16	18	21	23	26	28	31	33
4.0	9	12	14	17	19	22	24	26	29	31
4.2	8	10	13	15	17	20	22	25	27	30
4.4	6	9	11	13	16	18	21	23	25	28
4.6	5	7	10	12	14	17	19	21	24	26
4.8	4	6	8	10	13	15	17	20	22	24
5.0	2	5	7	9	11	14	16	18	20	23
5.2	1	3	5	8	10	12	14	17	19	21
5.4	2	4	6	8	11	13	15	17	20	
5.6	1	3	5	7	9	11	14	16	18	
5.8		1	4	6	8	10	12	14	17	
6.0	0	2	4	7	9	11	13	15	17	
6.2		1	3	5	7	9	11	12	14	
6.4			2	4	6	8	10	12	14	
6.6			1	3	5	7	9	11	13	
6.8				2	4	6	8	10	12	
7.0					0	2	4	6	8	
7.2						1	3	5	7	
7.4						0	2	4	6	
7.6							1	3	5	
7.8								2	4	
8.0									1	3
8.2									1	0
8.4										0

Table for use when Wet Bulb is covered with ice

Wet Bulb : -1.0 to -0.2
Dry Bulb : -1.0 to 5.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C					Dry Bulb °C	Wet Bulb °C				
	-1.0	-0.8	-0.6	-0.4	-0.2		-1.0	-0.8	-0.6	-0.4	-0.2
-1.0	-1.0					-1.0	100				
-0.8	-1.3	-0.8				-0.8	96	100			
-0.6	-1.5	-1.1	-0.6			-0.6	93	96	100		
-0.4	-1.8	-1.3	-0.8	-0.4		-0.4	89	93	96	100	
-0.2	-2.0	-1.6	-1.1	-0.6	-0.2	-0.2	86	89	93	96	100
0.0	-2.3	-1.8	-1.3	-0.9	-0.4	0.0	83	86	90	93	96
0.2	-2.6	-2.1	-1.6	-1.1	-0.7	0.2	80	83	86	90	93
0.4	-2.8	-2.3	-1.9	-1.4	-0.9	0.4	77	80	83	87	90
0.6	-3.1	-2.6	-2.1	-1.6	-1.2	0.6	74	77	80	84	87
0.8	-3.4	-2.9	-2.4	-1.9	-1.4	0.8	71	74	77	81	84
1.0	-3.7	-3.2	-2.7	-2.2	-1.7	1.0	68	71	75	78	81
1.2	-4.0	-3.5	-2.9	-2.4	-1.9	1.2	66	69	72	75	78
1.4	-4.3	-3.8	-3.2	-2.7	-2.2	1.4	63	66	69	72	75
1.6	-4.6	-4.1	-3.5	-3.0	-2.5	1.6	60	63	66	70	73
1.8	-5.0	-4.4	-3.8	-3.3	-2.7	1.8	58	61	64	67	70
2.0	-5.3	-4.7	-4.1	-3.6	-3.0	2.0	55	58	61	64	67
2.2	-5.7	-5.0	-4.4	-3.9	-3.3	2.2	53	56	59	62	65
2.4	-6.0	-5.4	-4.8	-4.2	-3.6	2.4	51	54	56	59	62
2.6	-6.4	-5.7	-5.1	-4.5	-3.9	2.6	48	51	54	57	60
2.8	-6.8	-6.1	-5.4	-4.8	-4.2	2.8	46	49	52	55	57
3.0	-7.1	-6.4	-5.8	-5.1	-4.5	3.0	44	47	50	52	55
3.2	-7.5	-6.8	-6.1	-5.5	-4.9	3.2	42	45	47	50	53
3.4	-8.0	-7.2	-6.5	-5.8	-5.2	3.4	40	43	45	48	51
3.6	-8.4	-7.6	-6.9	-6.2	-5.5	3.6	38	41	43	46	49
3.8	-8.8	-8.0	-7.3	-6.6	-5.9	3.8	36	39	41	44	46
4.0	-9.3	-8.5	-7.7	-7.0	-6.3	4.0	34	37	39	42	44
4.2	-9.8	-8.9	-8.1	-7.3	-6.6	4.2	32	35	37	40	42
4.4	-10.3	-9.4	-8.5	-7.8	-7.0	4.4	30	33	35	38	40
4.6	-10.8	-9.8	-9.0	-8.2	-7.4	4.6	29	31	33	36	38
4.8	-11.3	-10.3	-9.5	-8.6	-7.8	4.8	27	29	32	34	37
5.0	-11.9	-10.9	-9.9	-9.1	-8.2	5.0	25	28	30	32	35

Wet Bulb : -1.0 to -0.2
Dry Bulb : 5.2 to 10.2

Table for use when Wet Bulb is covered with ice

Dry Bulb °C	Dew Point °C					Relative Humidity (%)					(800 mb)																									
	-1.0	-0.8	-0.6	-0.4	-0.2	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2					
5.2	-12.5	-11.4	-10.4	-9.5	-8.7	24	26	28	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79			
5.4	-13.1	-12.0	-11.0	-10.0	-9.1	22	24	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79		
5.6	-13.7	-12.6	-11.5	-10.5	-9.6	20	23	25	27	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78		
5.8	-14.4	-13.2	-12.1	-11.0	-10.1	19	21	23	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76		
6.0	-15.2	-13.9	-12.7	-11.6	-10.6	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	
6.2	-16.0	-14.6	-13.3	-12.2	-11.1	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	
6.4	-16.8	-15.3	-14.0	-12.8	-11.7	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	
6.6	-17.7	-16.1	-14.7	-13.4	-12.3	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	
6.8	-18.7	-17.0	-15.4	-14.1	-12.9	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	
7.0	-19.8	-17.9	-16.3	-14.8	-13.5	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70
7.2	-20.9	-18.9	-17.1	-15.6	-14.2	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68
7.4	-22.3	-20.0	-18.0	-16.4	-14.9	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66
7.6	-23.8	-21.2	-19.1	-17.3	-15.7	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
7.8	-25.5	-22.5	-20.2	-18.2	-16.5	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62
8.0	-27.6	-24.1	-21.4	-19.2	-17.4	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
8.2	-30.2	-25.9	-22.8	-20.4	-18.4	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58
8.4	-33.7	-28.1	-24.4	-21.6	-19.4	-4	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	
8.6	-39.1	-30.8	-26.3	-23.1	-20.6	-6	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58		
8.8	-53.3	-34.6	-28.5	-24.7	-21.8	-8	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58			
9.0	-40.6	-31.4	-26.6	-23.3	-20.0	-6	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58		
9.2	-68.1	-35.4	-28.9	-25.0	-22.0	-4	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	
9.4	-42.3	-32.0	-26.9	-23.0	-20.0	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58
9.6	-36.3	-29.3	-26.0	-23.0	-20.0	-4	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	
9.8	-44.2	-32.5	-27.0	-24.0	-21.0	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58
10.0	-37.1	-30.0	-27.0	-24.0	-21.0	-4	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	
10.2	-46.3	-30.0	-27.0	-24.0	-21.0	-2	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58

Table for use when Wet Bulb is covered with ice

Wet Bulb : 0.0 to 1.8
Dry Bulb : 0.0 to 5.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8		0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
0.0	0.0										0.0	100									
0.2	-0.3	0.2									0.2	97	100								
0.4	-0.5	-0.1	0.4								0.4	93	97	100							
0.6	-0.8	-0.3	0.1	0.6							0.6	90	93	97	100						
0.8	-1.0	-0.6	-0.2	0.3	0.8						0.8	87	90	93	97	100					
1.0	-1.3	-0.9	-0.4	0.0	0.5	1.0					1.0	83	87	90	93	97	100				
1.2	-1.6	-1.1	-0.7	-0.2	0.2	0.7	1.2				1.2	80	84	87	90	93	97	100			
1.4	-1.9	-1.4	-0.9	-0.5	0.0	0.4	0.9	1.4			1.4	77	81	84	87	90	93	97	100		
1.6	-2.2	-1.7	-1.2	-0.7	-0.3	0.2	0.7	1.1	1.6		1.6	74	78	81	84	87	90	93	97	100	
1.8	-2.5	-2.0	-1.5	-1.0	-0.5	-0.1	0.4	0.9	1.3	1.8	1.8	72	75	78	81	84	87	90	94	97	100
2.0	-2.8	-2.3	-1.8	-1.3	-0.8	-0.4	0.1	0.6	1.1	1.5	2.0	69	72	75	78	81	84	87	90	94	97
2.2	-3.1	-2.6	-2.1	-1.6	-1.1	-0.6	-0.2	0.3	0.8	1.3	2.2	66	69	72	75	78	81	84	87	91	94
2.4	-3.4	-2.9	-2.3	-1.8	-1.4	-0.9	-0.4	0.0	0.5	1.0	2.4	63	66	69	72	75	78	81	84	87	91
2.6	-3.7	-3.2	-2.6	-2.1	-1.6	-1.1	-0.7	-0.2	0.3	0.7	2.6	61	64	67	70	72	75	78	81	85	88
2.8	-4.1	-3.5	-3.0	-2.4	-1.9	-1.4	-0.9	-0.5	0.0	0.5	2.8	58	61	64	67	70	73	76	79	82	85
3.0	-4.4	-3.8	-3.3	-2.7	-2.2	-1.7	-1.2	-0.7	-0.3	0.2	3.0	56	59	61	64	67	70	73	76	79	82
3.2	-4.8	-4.2	-3.6	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	-0.1	3.2	53	56	59	62	65	67	70	73	76	79
3.4	-5.1	-4.5	-3.9	-3.4	-2.8	-2.3	-1.8	-1.3	-0.8	-0.3	3.4	51	54	56	59	62	65	68	71	73	76
3.6	-5.5	-4.9	-4.3	-3.7	-3.1	-2.6	-2.1	-1.6	-1.1	-0.6	3.6	49	51	54	57	60	62	65	68	71	74
3.8	-5.9	-5.2	-4.6	-4.0	-3.4	-2.9	-2.4	-1.8	-1.3	-0.9	3.8	46	49	52	54	57	60	63	65	68	71
4.0	-6.3	-5.6	-5.0	-4.4	-3.8	-3.2	-2.7	-2.1	-1.6	-1.1	4.0	44	47	49	52	55	58	60	63	66	68
4.2	-6.7	-6.0	-5.4	-4.7	-4.1	-3.5	-3.0	-2.4	-1.9	-1.4	4.2	42	45	47	50	53	55	58	61	63	66
4.4	-7.1	-6.4	-5.7	-5.1	-4.5	-3.9	-3.3	-2.7	-2.2	-1.7	4.4	40	42	45	48	50	53	56	58	61	64
4.6	-7.6	-6.8	-6.1	-5.5	-4.8	-4.2	-3.6	-3.0	-2.5	-2.0	4.6	38	40	43	46	48	51	53	56	59	61
4.8	-8.0	-7.3	-6.5	-5.9	-5.2	-4.6	-3.9	-3.4	-2.8	-2.3	4.8	36	38	41	43	46	49	51	54	56	59
5.0	-8.5	-7.7	-7.0	-6.2	-5.6	-4.9	-4.3	-3.7	-3.1	-2.6	5.0	34	36	39	41	44	46	49	51	54	57
5.2	-9.0	-8.2	-7.4	-6.7	-6.0	-5.3	-4.6	-4.0	-3.4	-2.9	5.2	32	34	37	39	42	44	47	49	52	54
5.4	-9.5	-8.7	-7.8	-7.1	-6.4	-5.7	-5.0	-4.4	-3.8	-3.2	5.4	30	33	35	37	40	42	45	47	50	52
5.6	-10.1	-9.2	-8.3	-7.5	-6.8	-6.1	-5.4	-4.7	-4.1	-3.5	5.6	28	31	33	36	38	40	43	45	48	50
5.8	-10.6	-9.7	-8.8	-8.0	-7.2	-6.5	-5.8	-5.1	-4.5	-3.8	5.8	27	29	31	34	36	38	41	43	46	48

Table for use when Wet Bulb is covered with ice

Wet Bulb : 0.0 to 1.8
Dry Bulb : 6.0 to 9.8

Dry Bulb °C	Dew Point °C									Relative Humidity (%)									(800 mb)	
	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	
6.0	-11.2	-10.2	-9.3	-8.4	-7.6	-6.9	-6.2	-5.5	-4.8	25	27	30	32	34	37	39	41	44	46	
6.2	-11.8	-10.8	-9.8	-8.9	-8.1	-7.3	-6.6	-5.9	-5.2	23	26	28	30	32	35	37	39	42	44	
6.4	-12.5	-11.4	-10.4	-9.4	-8.6	-7.8	-7.0	-6.3	-5.6	22	24	26	28	31	33	35	38	40	42	
6.6	-13.1	-12.0	-11.0	-10.0	-9.1	-8.2	-7.4	-6.7	-6.0	20	22	24	27	29	31	33	36	38	40	
6.8	-13.9	-12.7	-11.6	-10.5	-9.6	-8.7	-7.9	-7.1	-6.4	19	21	23	25	27	29	32	34	36	38	
7.0	-14.7	-13.4	-12.2	-11.1	-10.1	-9.2	-8.3	-7.5	-6.8	17	19	21	23	26	28	30	32	34	37	
7.2	-15.5	-14.1	-12.9	-11.7	-10.7	-9.7	-8.8	-8.0	-7.2	16	18	20	22	24	26	28	31	33	35	
7.4	-16.4	-14.9	-13.6	-12.4	-11.3	-10.3	-9.3	-8.5	-7.6	14	16	18	20	22	25	27	29	31	33	
7.6	-17.3	-15.7	-14.3	-13.1	-11.9	-10.8	-9.9	-9.0	-8.1	13	15	17	19	21	23	25	27	29	32	
7.8	-18.4	-16.7	-15.1	-13.8	-12.6	-11.4	-10.4	-9.5	-8.6	11	13	15	17	19	22	24	26	28	30	
8.0	-19.6	-17.7	-16.0	-14.6	-13.3	-12.1	-11.0	-10.0	-9.1	10	12	14	16	18	20	22	24	26	28	
8.2	-20.9	-18.7	-16.9	-15.4	-14.0	-12.7	-11.6	-10.6	-9.6	9	11	13	15	17	19	21	23	25	27	
8.4	-22.3	-19.9	-18.0	-16.3	-14.8	-13.5	-12.3	-11.1	-10.1	7	9	11	13	15	17	19	21	23	25	
8.6	-24.0	-21.3	-19.1	-17.2	-15.6	-14.2	-12.9	-11.8	-10.7	6	8	10	12	14	16	18	20	22	24	
8.8	-26.0	-22.8	-20.3	-18.3	-16.5	-15.0	-13.6	-12.4	-11.3	5	7	9	11	13	15	17	18	20	22	
9.0	-28.4	-24.6	-21.7	-19.4	-17.5	-15.9	-14.4	-13.1	-11.9	4	6	8	9	11	13	15	17	19	21	
9.2	-31.6	-26.7	-23.3	-20.7	-18.6	-16.8	-15.2	-13.8	-12.6	3	5	6	8	10	12	14	16	18	20	
9.4	-36.2	-29.3	-25.1	-22.1	-19.8	-17.8	-16.1	-14.6	-13.3	2	3	5	7	9	11	13	15	16	18	
9.6	-45.5	-32.8	-27.4	-23.8	-21.1	-18.9	-17.0	-15.4	-14.0	1	2	4	6	8	10	11	13	15	17	
9.8	-38.2	-30.2	-25.7	-22.6	-20.1	-18.1	-16.3	-14.8	-13.4	9.8	1	3	5	7	8	10	12	14	16	

Table for use when Wet Bulb is covered with water

Wet Bulb : 0.0 to 1.8
Dry Bulb : 10.0 to 12.8

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
10.0	-52.4	-34.1	-28.1	-24.3	-21.5	-19.2	-17.3	-15.6	-14.2	
10.2	-40.7	-31.2	-26.3	-23.0	-20.4	-18.3	-16.5	-15.0		
10.4		-35.6	-28.9	-24.8	-21.8	-19.5	-17.5	-15.8		
10.6		-43.9	-32.2	-27.0	-23.4	-20.8	-18.6	-16.7		
10.8			-37.3	-29.7	-25.3	-22.2	-19.8	-17.8		
11.0				-48.6	-33.4	-27.6	-23.9	-21.1	-18.8	
11.2					-39.3	-30.5	-25.9	-22.6	-20.1	
11.4						-59.3	-34.6	-28.3	-24.3	-21.4
11.6							-41.6	-31.4	-26.4	-23.0
11.8								-35.9	-28.9	-24.8
12.0								-44.7	-32.3	-26.9
12.2									-37.5	-29.6
12.4									-49.2	-33.3
12.6										-39.2
12.8										-58.5

Relative Humidity (%)

Dry Bulb °C	Wet Bulb °C									
	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8
10.0	0	2	4	6	7	9	11	13	15	
10.2		1	3	4	6	8	10	11	13	
10.4			2	3	5	7	9	10	12	
10.6				1	2	4	6	7	9	11
10.8					1	3	5	6	8	10
11.0						0	2	4	5	7
11.2							1	3	4	6
11.4								0	2	5
11.6									1	4
11.8										3
12.0										4
12.2										3
12.4										2
12.6										1
12.8										0

Table for use when Wet Bulb is covered with ice

Wet Bulb : 2.0 to 3.8
Dry Bulb : 2.0 to 5.8

		Dew Point °C									Relative Humidity (%) (800 mb)									
Dry Bulb °C	2.0	Wet Bulb °C									2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
		2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6										
2.0	2.0										100									
2.2	1.7	2.2									97	100								
2.4	1.5	1.9	2.4								94	97	100							
2.6	1.2	1.7	2.1	2.6							91	94	97	100						
2.8	1.0	1.4	1.9	2.3	2.8						88	91	94	97	100					
3.0	0.7	1.2	1.6	2.1	2.6	3.0					85	88	91	94	97	100				
3.2	0.4	0.9	1.4	1.9	2.3	2.8	3.2				82	85	88	91	94	97	100			
3.4	0.1	0.6	1.1	1.6	2.1	2.5	3.0	3.4			79	82	85	88	91	94	97	100		
3.6	-0.1	0.4	0.9	1.3	1.8	2.3	2.7	3.2	3.6		76	79	82	85	88	91	94	97	100	
3.8	-0.4	0.1	0.6	1.1	1.6	2.0	2.5	2.9	3.4	3.8	74	77	80	82	85	88	91	94	97	
4.0	-0.6	-0.2	0.3	0.8	1.3	1.8	2.2	2.7	3.1	3.6	71	74	77	80	83	85	88	91	94	
4.2	-0.9	-0.4	0.0	0.5	1.0	1.5	2.0	2.4	2.9	3.3	69	71	74	77	80	83	86	88	91	
4.4	-1.2	-0.7	-0.2	0.3	0.8	1.3	1.7	2.2	2.7	3.1	66	69	72	74	77	80	83	86	89	
4.6	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.4	2.9	64	67	69	72	75	77	80	83	86	
4.8	-1.7	-1.2	-0.7	-0.3	0.2	0.7	1.2	1.7	2.2	2.6	61	64	67	69	72	75	78	80	83	
5.0	-2.0	-1.5	-1.0	-0.5	-0.1	0.4	1.0	1.4	1.9	2.4	59	62	64	67	70	72	75	78	80	
5.2	-2.3	-1.8	-1.3	-0.8	-0.3	0.2	0.7	1.2	1.7	2.1	57	60	62	65	67	70	73	75	78	
5.4	-2.6	-2.1	-1.6	-1.1	-0.6	-0.1	0.4	0.9	1.4	1.9	55	57	60	62	65	68	70	73	75	
5.6	-2.9	-2.4	-1.9	-1.3	-0.8	-0.4	0.1	0.6	1.1	1.6	53	55	58	60	63	65	68	70	73	
5.8	-3.3	-2.7	-2.1	-1.6	-1.1	-0.6	-0.1	0.4	0.9	1.4	51	53	55	58	60	63	66	68	71	

Table for use when Wet Bulb is covered with ice

Wet Bulb : 2.0 to 3.8
Dry Bulb : 6.0 to 11.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8		2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
6.0	-3.6	-3.0	-2.4	-1.9	-1.4	-0.9	-0.4	0.1	0.6	1.1	6.0	48	51	53	56	58	61	63	66	68	71
6.2	-3.9	-3.3	-2.7	-2.2	-1.7	-1.2	-0.7	-0.2	0.3	0.8	6.2	46	49	51	54	56	59	61	64	66	69
6.4	-4.3	-3.6	-3.1	-2.5	-2.0	-1.4	-0.9	-0.4	0.1	0.6	6.4	45	47	49	52	54	56	59	61	64	66
6.6	-4.6	-4.0	-3.4	-2.8	-2.2	-1.7	-1.2	-0.7	-0.2	0.3	6.6	43	45	47	50	52	54	57	59	62	64
6.8	-5.0	-4.3	-3.7	-3.1	-2.6	-2.0	-1.5	-1.0	-0.5	0.0	6.8	41	43	45	48	50	52	55	57	60	62
7.0	-5.3	-4.7	-4.1	-3.5	-2.9	-2.3	-1.8	-1.2	-0.7	-0.2	7.0	39	41	43	46	48	50	53	55	57	60
7.2	-5.7	-5.1	-4.4	-3.8	-3.2	-2.6	-2.0	-1.5	-1.0	-0.5	7.2	37	39	42	44	46	48	51	53	55	58
7.4	-6.1	-5.4	-4.8	-4.1	-3.5	-2.9	-2.3	-1.8	-1.3	-0.8	7.4	35	38	40	42	44	47	49	51	53	56
7.6	-6.5	-5.8	-5.1	-4.5	-3.8	-3.2	-2.7	-2.1	-1.5	-1.0	7.6	34	36	38	40	43	45	47	49	51	54
7.8	-7.0	-6.2	-5.5	-4.8	-4.2	-3.6	-3.0	-2.4	-1.8	-1.3	7.8	32	34	36	39	41	43	45	47	50	52
8.0	-7.4	-6.6	-5.9	-5.2	-4.5	-3.9	-3.3	-2.7	-2.1	-1.6	8.0	30	33	35	37	39	41	43	46	48	50
8.2	-7.8	-7.0	-6.3	-5.6	-4.9	-4.2	-3.6	-3.0	-2.4	-1.9	8.2	29	31	33	35	37	39	42	44	46	48
8.4	-8.3	-7.5	-6.7	-6.0	-5.3	-4.6	-3.9	-3.3	-2.7	-2.2	8.4	27	29	31	34	36	38	40	42	44	46
8.6	-8.8	-7.9	-7.1	-6.4	-5.6	-4.9	-4.3	-3.7	-3.1	-2.5	8.6	26	28	30	32	34	36	38	40	42	45
8.8	-9.3	-8.4	-7.6	-6.8	-6.0	-5.3	-4.6	-4.0	-3.4	-2.8	8.8	24	26	28	30	32	35	37	39	41	43
9.0	-9.8	-8.9	-8.0	-7.2	-6.4	-5.7	-5.0	-4.3	-3.7	-3.1	9.0	23	25	27	29	31	33	35	37	39	41
9.2	-10.4	-9.4	-8.5	-7.7	-6.9	-6.1	-5.4	-4.7	-4.0	-3.4	9.2	22	24	25	27	29	31	33	35	37	40
9.4	-11.0	-9.9	-9.0	-8.1	-7.3	-6.5	-5.8	-5.1	-4.4	-3.7	9.4	20	22	24	26	28	30	32	34	36	38
9.6	-11.6	-10.5	-9.5	-8.6	-7.7	-6.9	-6.2	-5.4	-4.7	-4.1	9.6	19	21	23	25	27	28	30	32	34	36
9.8	-12.2	-11.1	-10.0	-9.1	-8.2	-7.4	-6.6	-5.8	-5.1	-4.4	9.8	18	19	21	23	25	27	29	31	33	35
10.0	-12.9	-11.7	-10.6	-9.6	-8.7	-7.8	-7.0	-6.2	-5.5	-4.8	10.0	16	18	20	22	24	26	28	29	31	33
10.2	-13.6	-12.3	-11.2	-10.1	-9.2	-8.3	-7.4	-6.6	-5.9	-5.1	10.2	15	17	19	21	22	24	26	28	30	32
10.4	-14.3	-13.0	-11.8	-10.7	-9.7	-8.8	-7.9	-7.0	-6.3	-5.5	10.4	14	16	17	19	21	23	25	27	29	30
10.6	-15.2	-13.7	-12.5	-11.3	-10.3	-9.3	-8.3	-7.5	-6.7	-5.9	10.6	13	14	16	18	20	22	24	25	27	29
10.8	-16.0	-14.5	-13.2	-11.9	-10.8	-9.8	-8.8	-7.9	-7.1	-6.3	10.8	12	13	15	17	19	20	22	24	26	28
11.0	-17.0	-15.3	-13.9	-12.6	-11.4	-10.4	-9.3	-8.4	-7.6	-6.7	11.0	10	12	14	16	17	19	21	23	25	26
11.2	-18.0	-16.2	-14.7	-13.3	-12.1	-10.9	-9.9	-8.9	-8.0	-7.2	11.2	9	11	13	15	16	18	20	21	23	25
11.4	-19.1	-17.2	-15.5	-14.0	-12.7	-11.5	-10.4	-9.4	-8.5	-7.6	11.4	8	10	12	13	15	17	19	20	22	24
11.6	-20.3	-18.2	-16.4	-14.8	-13.4	-12.2	-11.0	-10.0	-9.0	-8.1	11.6	7	9	11	12	14	16	17	19	21	23
11.8	-21.7	-19.4	-17.4	-15.7	-14.2	-12.8	-11.6	-10.5	-9.5	-8.5	11.8	6	8	10	11	13	15	16	18	20	21

Table for use when Wet Bulb is covered with water

Wet Bulb : 2.0 to 3.8
Dry Bulb : 12.0 to 16.4

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
12.0	-23.3	-20.6	-18.4	-16.6	-15.0	-13.5	-12.3	-11.1	-10.0	-9.1
12.2	-25.2	-22.1	-19.6	-17.6	-15.8	-14.3	-12.9	-11.7	-10.6	-9.6
12.4	-27.5	-23.7	-20.9	-18.6	-16.8	-15.1	-13.7	-12.4	-11.2	-10.1
12.6	-30.4	-25.7	-22.4	-19.8	-17.8	-16.0	-14.4	-13.1	-11.8	-10.7
12.8	-34.3	-28.0	-24.1	-21.2	-18.9	-16.9	-15.2	-13.8	-12.5	-11.3
13.0	-41.1	-31.1	-26.1	-22.7	-20.1	-17.9	-16.1	-14.5	-13.2	-11.9
13.2		-35.5	-28.6	-24.4	-21.4	-19.1	-17.1	-15.4	-13.9	-12.5
13.4		-43.5	-31.8	-26.5	-23.0	-20.3	-18.1	-16.3	-14.7	-13.2
13.6			-36.6	-29.1	-24.8	-21.7	-19.2	-17.2	-15.5	-14.0
13.8				-46.6	-32.6	-27.0	-23.3	-20.5	-18.3	-16.4
14.0					-37.9	-29.7	-25.1	-21.9	-19.4	-17.4
14.2						-51.1	-33.4	-27.4	-23.6	-20.7
14.4							-39.3	-30.2	-25.5	-22.2
14.6								-60.3	-34.2	-27.8
14.8									-40.9	-30.8
15.0										-35.0
15.2										
15.4										
15.6										
15.8										
16.0										
16.2										
16.4										

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
12.0	5	7	9	10	12	13	15	17	18	20
12.2	4	6	8	9	11	12	14	16	17	19
12.4	3	5	7	8	10	11	13	15	16	18
12.6	2	4	6	7	9	10	12	14	15	17
12.8	2	3	5	6	8	9	11	12	14	16
13.0	1	2	4	5	7	8	10	11	13	15
13.2		1	3	4	6	7	9	11	12	14
13.4			1	2	4	5	7	8	10	13
13.6				1	3	4	6	7	9	10
13.8					2	3	5	6	8	9
14.0						1	2	4	5	7
14.2							0	2	3	4
14.4								1	2	4
14.6									0	1
14.8										1
15.0										3
15.2									2	3
15.4									1	2
15.6									0	2
15.8									1	2
16.0									0	2
16.2										1
16.4										0

Table for use when Wet Bulb is covered with ice

Wet Bulb : 4.0 to 5.8
Dry Bulb : 4.0 to 9.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8		4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8
4.0	4.0										4.0	100									
4.2	3.8	4.2									4.2	97	100								
4.4	3.5	4.0	4.4								4.4	94	97	100							
4.6	3.3	3.7	4.2	4.6							4.6	91	94	97	100						
4.8	3.1	3.5	4.0	4.4	4.8						4.8	89	91	94	97	100					
5.0	2.8	3.3	3.7	4.2	4.6	5.0					5.0	86	89	92	94	97	100				
5.2	2.6	3.1	3.5	3.9	4.4	4.8	5.2				5.2	83	86	89	92	94	97	100			
5.4	2.4	2.8	3.3	3.7	4.1	4.6	5.0	5.4			5.4	81	83	86	89	92	94	97	100		
5.6	2.1	2.6	3.0	3.5	3.9	4.4	4.8	5.2	5.6		5.6	78	81	84	86	89	92	94	97	100	
5.8	1.9	2.3	2.8	3.3	3.7	4.1	4.6	5.0	5.4	5.8	5.8	76	78	81	84	86	89	92	95	97	100
6.0	1.6	2.1	2.6	3.0	3.5	3.9	4.3	4.8	5.2	5.6	6.0	73	76	79	81	84	87	89	92	95	97
6.2	1.4	1.8	2.3	2.8	3.2	3.7	4.1	4.6	5.0	5.4	6.2	71	74	76	79	81	84	87	89	92	95
6.4	1.1	1.6	2.1	2.5	3.0	3.5	3.9	4.3	4.8	5.2	6.4	69	71	74	76	79	82	84	87	89	92
6.6	0.8	1.3	1.8	2.3	2.8	3.2	3.7	4.1	4.6	5.0	6.6	67	69	72	74	77	79	82	84	87	89
6.8	0.5	1.1	1.6	2.1	2.5	3.0	3.5	3.9	4.3	4.8	6.8	64	67	69	72	74	77	79	82	84	87
7.0	0.3	0.8	1.3	1.8	2.3	2.8	3.2	3.7	4.1	4.6	7.0	62	65	67	69	72	74	77	79	82	84
7.2	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.4	3.9	4.3	7.2	60	62	65	67	70	72	75	77	80	82
7.4	-0.3	0.2	0.8	1.3	1.8	2.3	2.8	3.2	3.7	4.1	7.4	58	60	63	65	68	70	72	75	77	80
7.6	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.4	3.9	7.6	56	58	61	63	65	68	70	73	75	77
7.8	-0.8	-0.3	0.2	0.8	1.3	1.8	2.3	2.7	3.2	3.7	7.8	54	56	59	61	63	66	68	70	73	75
8.0	-1.1	-0.5	-0.1	0.5	1.0	1.5	2.0	2.5	3.0	3.4	8.0	52	54	57	59	61	64	66	68	71	73
8.2	-1.3	-0.8	-0.3	0.2	0.7	1.3	1.8	2.3	2.7	3.2	8.2	50	53	55	57	59	62	64	66	68	71
8.4	-1.6	-1.1	-0.6	-0.1	0.5	1.0	1.5	2.0	2.5	3.0	8.4	48	51	53	55	57	60	62	64	66	69
8.6	-1.9	-1.4	-0.8	-0.3	0.2	0.7	1.2	1.8	2.3	2.7	8.6	47	49	51	53	55	58	60	62	64	67
8.8	-2.2	-1.7	-1.1	-0.6	-0.1	0.4	1.0	1.5	2.0	2.5	8.8	45	47	49	51	54	56	58	60	62	65
9.0	-2.5	-1.9	-1.4	-0.9	-0.3	0.2	0.7	1.2	1.8	2.3	9.0	43	45	47	50	52	54	56	58	60	63
9.2	-2.8	-2.2	-1.7	-1.1	-0.6	-0.1	0.4	1.0	1.5	2.0	9.2	42	44	46	48	50	52	54	56	59	61
9.4	-3.1	-2.5	-2.0	-1.4	-0.9	-0.4	0.2	0.7	1.2	1.8	9.4	40	42	44	46	48	50	52	55	57	59
9.6	-3.4	-2.8	-2.3	-1.7	-1.2	-0.6	-0.1	0.4	1.0	1.5	9.6	38	40	42	44	46	49	51	53	55	57
9.8	-3.8	-3.2	-2.6	-2.0	-1.4	-0.9	-0.4	0.1	0.7	1.2	9.8	37	39	41	43	45	47	49	51	53	55

Table for use when Wet Bulb is covered with ice

Wet Bulb : 4.0 to 5.8

Dry Bulb : 10.0 to 15.8

Dry Bulb °C	Dew Point °C									Relative Humidity (%)									(800 mb)	
	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	
10.0	-4.1	-3.5	-2.9	-2.3	-1.7	-1.2	-0.6	-0.1	0.4	1.0	35	37	39	41	43	45	47	49	51	53
10.2	-4.5	-3.8	-3.2	-2.6	-2.0	-1.4	-0.9	-0.4	0.1	0.7	34	36	38	40	42	44	46	48	50	52
10.4	-4.8	-4.2	-3.5	-2.9	-2.3	-1.7	-1.2	-0.7	-0.1	0.4	32	34	36	38	40	42	44	46	48	50
10.6	-5.2	-4.5	-3.8	-3.2	-2.6	-2.0	-1.5	-0.9	-0.4	0.1	31	33	35	37	39	40	42	44	46	48
10.8	-5.6	-4.9	-4.2	-3.5	-2.9	-2.3	-1.7	-1.2	-0.7	-0.1	30	31	33	35	37	39	41	43	45	47
11.0	-6.0	-5.2	-4.5	-3.9	-3.2	-2.6	-2.0	-1.5	-0.9	-0.4	28	30	32	34	36	37	39	41	43	45
11.2	-6.4	-5.6	-4.9	-4.2	-3.6	-2.9	-2.3	-1.8	-1.2	-0.7	27	29	30	32	34	36	38	40	42	44
11.4	-6.8	-6.0	-5.3	-4.6	-3.9	-3.2	-2.6	-2.0	-1.5	-0.9	26	27	29	31	33	35	36	38	40	42
11.6	-7.2	-6.4	-5.6	-4.9	-4.2	-3.6	-2.9	-2.3	-1.8	-1.2	24	26	28	30	31	33	35	37	39	41
11.8	-7.7	-6.8	-6.0	-5.3	-4.6	-3.9	-3.3	-2.6	-2.0	-1.5	23	25	27	28	30	32	34	35	37	39
12.0	-8.1	-7.3	-6.4	-5.7	-4.9	-4.3	-3.6	-3.0	-2.3	-1.8	22	24	25	27	29	31	32	34	36	38
12.2	-8.6	-7.7	-6.9	-6.1	-5.3	-4.6	-3.9	-3.3	-2.7	-2.1	21	22	24	26	28	29	31	33	35	36
12.4	-9.1	-8.2	-7.3	-6.5	-5.7	-5.0	-4.3	-3.6	-3.0	-2.3	20	21	23	25	26	28	30	31	33	35
12.6	-9.6	-8.7	-7.7	-6.9	-6.1	-5.3	-4.6	-3.9	-3.3	-2.7	18	20	22	23	25	27	28	30	32	34
12.8	-10.2	-9.2	-8.2	-7.3	-6.5	-5.7	-5.0	-4.3	-3.6	-3.0	17	19	21	22	24	26	27	29	31	32
13.0	-10.7	-9.7	-8.7	-7.8	-6.9	-6.1	-5.4	-4.6	-3.9	-3.3	16	18	19	21	23	24	26	28	29	31
13.2	-11.3	-10.2	-9.2	-8.3	-7.4	-6.5	-5.7	-5.0	-4.3	-3.6	15	17	18	20	22	23	25	26	28	30
13.4	-12.0	-10.8	-9.7	-8.7	-7.8	-7.0	-6.1	-5.4	-4.6	-3.9	14	16	17	19	20	22	24	25	27	29
13.6	-12.6	-11.4	-10.3	-9.3	-8.3	-7.4	-6.6	-5.8	-5.0	-4.3	13	15	16	18	19	21	23	24	26	27
13.8	-13.3	-12.0	-10.9	-9.8	-8.8	-7.9	-7.0	-6.2	-5.4	-4.6	12	14	15	17	18	20	21	23	24	26
14.0	-14.1	-12.7	-11.5	-10.3	-9.3	-8.3	-7.4	-6.6	-5.8	-5.0	11	13	14	16	17	19	20	21	23	25
14.2	-14.9	-13.4	-12.1	-10.9	-9.8	-8.8	-7.9	-7.0	-6.2	-5.4	10	12	13	15	16	18	19	21	22	24
14.4	-15.7	-14.2	-12.8	-11.5	-10.4	-9.3	-8.4	-7.4	-6.6	-5.8	9	11	12	14	15	17	18	19	21	22
14.6	-16.6	-15.0	-13.5	-12.2	-11.0	-9.9	-8.8	-7.9	-7.0	-6.2	9	10	11	13	14	15	17	18	20	21
14.8	-17.6	-15.8	-14.2	-12.8	-11.6	-10.4	-9.4	-8.4	-7.5	-6.6	8	9	11	12	13	15	16	17	19	20
15.0	-18.7	-16.7	-15.0	-13.5	-12.2	-11.0	-9.9	-8.9	-7.9	-7.0	7	8	10	11	13	14	15	17	18	20
15.2	-19.9	-17.7	-15.9	-14.3	-12.9	-11.6	-10.4	-9.4	-8.4	-7.5	6	7	9	10	12	13	14	16	17	19
15.4	-21.3	-18.8	-16.8	-15.1	-13.6	-12.2	-11.0	-9.9	-8.9	-7.9	5	7	8	9	11	12	14	15	16	17
15.6	-22.8	-20.1	-17.9	-16.0	-14.4	-12.9	-11.6	-10.5	-9.4	-8.4	4	6	7	9	10	11	13	14	15	16
15.8	-24.6	-21.4	-19.0	-16.9	-15.2	-13.6	-12.3	-11.0	-9.9	-8.9	4	5	6	8	9	10	12	13	15	16

Table for use when Wet Bulb is covered with water

Wet Bulb : 4.0 to 5.8

Dry Bulb : 16.0 to 20.4

Dew Point °C

Relative Humidity (%)

8.2 at 0.01 mb (W)
8.31 at 0.07 (800 mb)

Dry Bulb °C	Wet Bulb °C															
	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8						
16.0	-26.7	-23.0	-20.2	-17.9	-16.1	-14.4	-13.0	-11.7	-10.5	-9.4						
16.2	-29.4	-24.8	-21.6	-19.1	-17.0	-15.2	-13.7	-12.3	-11.1	-9.9						
16.4	-32.9	-27.0	-23.1	-20.3	-18.0	-16.1	-14.5	-13.0	-11.7	-10.5						
16.6	-38.5	-29.7	-25.0	-21.7	-19.2	-17.1	-15.3	-13.7	-12.3	-11.1						
16.8	-54.0	-33.4	-27.2	-23.3	-20.4	-18.1	-16.2	-14.5	-13.0	-11.7						
17.0		-39.4	-30.0	-25.2	-21.8	-19.2	-17.1	-15.3	-13.7	-12.3						
17.2		-61.2	-33.9	-27.4	-23.4	-20.5	-18.2	-16.2	-14.5	-13.0						
17.4			-40.3	-30.3	-25.3	-21.9	-19.3	-17.2	-15.3	-13.8						
17.6				-34.3	-27.6	-23.6	-20.6	-18.2	-16.2	-14.5						
17.8					-41.1	-30.6	-25.5	-22.0	-19.4	-17.2						
18.0						-34.7	-27.8	-23.7	-20.6	-18.2						
18.2							-42.0	-30.8	-25.6	-22.1						
18.4								-35.1	-28.0	-23.7						
18.6									-42.7	-31.0						
18.8										-35.4						
19.0											-43.4					
19.2												-31.2				
19.4												-25.8				
19.6													-22.2			
19.8														-19.4		
20.0															-16.0	
20.2																-44.9
20.4																

Dry Bulb °C	Wet Bulb °C									
	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8
16.0	3	4	6	7	8	10	11	12	14	15
16.2	2	3	5	6	7	9	10	11	13	14
16.4	1	3	4	5	7	8	9	11	12	13
16.6	1	2	3	5	6	7	9	10	11	12
16.8	0	1	3	4	5	6	8	9	10	12
17.0		1	2	3	4	6	7	8	10	11
17.2		0	1	3	4	5	6	8	9	10
17.4			1	2	3	4	6	7	8	9
17.6				1	2	4	5	6	7	9
17.8					1	2	3	4	5	7
18.0						1	2	3	5	7
18.2							0	2	3	4
18.4								1	2	3
18.6									0	2
18.8										1
19.0										0
19.2										1
19.4										2
19.6										3
19.8										0
20.0										1
20.2										0
20.4										2

Table for use when Wet Bulb is covered with ice

Wet Bulb : 6.0 to 7.8

Dry Bulb : 6.0 to 11.8

		Dew Point °C									Relative Humidity (%) (800 mb)										
Dry Bulb °C	6.0	Wet Bulb °C									Dry Bulb °C	6.0	Wet Bulb °C								
		6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8			6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
6.0	6.0										6.0	100									
6.2	5.8	6.2									6.2	97	100								
6.4	5.6	6.0	6.4								6.4	95	97	100							
6.6	5.4	5.8	6.2	6.6							6.6	92	95	97	100						
6.8	5.2	5.6	6.0	6.4	6.8						6.8	89	92	95	97	100					
7.0	5.0	5.4	5.8	6.2	6.6	7.0					7.0	87	90	92	95	97	100				
7.2	4.8	5.2	5.6	6.0	6.4	6.8	7.2				7.2	85	87	90	92	95	97	100			
7.4	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4			7.4	82	85	87	90	92	95	97	100		
7.6	4.3	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6		7.6	80	82	85	87	90	92	95	97	100	
7.8	4.1	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	7.8	78	80	82	85	87	90	92	95	97	100
8.0	3.9	4.3	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	75	78	80	83	85	87	90	92	95	97
8.2	3.7	4.1	4.6	5.0	5.4	5.8	6.3	6.7	7.0	7.4	8.2	73	75	78	80	83	85	88	90	92	95
8.4	3.4	3.9	4.4	4.8	5.2	5.6	6.1	6.5	6.9	7.3	8.4	71	73	76	78	80	83	85	88	90	93
8.6	3.2	3.7	4.1	4.6	5.0	5.4	5.9	6.3	6.7	7.1	8.6	69	71	74	76	78	81	83	85	88	90
8.8	3.0	3.5	3.9	4.4	4.8	5.2	5.7	6.1	6.5	6.9	8.8	67	69	71	74	76	78	81	83	85	88
9.0	2.7	3.2	3.7	4.1	4.6	5.0	5.5	5.9	6.3	6.7	9.0	65	67	69	72	74	76	78	81	83	86
9.2	2.5	3.0	3.5	3.9	4.4	4.8	5.3	5.7	6.1	6.5	9.2	63	65	67	70	72	74	76	79	81	83
9.4	2.3	2.7	3.2	3.7	4.2	4.6	5.0	5.5	5.9	6.3	9.4	61	63	65	68	70	72	74	77	79	81
9.6	2.0	2.5	3.0	3.5	3.9	4.4	4.8	5.3	5.7	6.1	9.6	59	61	63	66	68	70	72	74	77	79
9.8	1.8	2.3	2.8	3.2	3.7	4.2	4.6	5.1	5.5	5.9	9.8	57	59	61	64	66	68	70	72	75	77
10.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9	5.3	5.7	10.0	55	58	60	62	64	66	68	70	73	75
10.2	1.2	1.8	2.3	2.8	3.3	3.7	4.2	4.6	5.1	5.5	10.2	54	56	58	60	62	64	66	68	71	73
10.4	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9	5.3	10.4	52	54	56	58	60	62	64	66	69	71
10.6	0.7	1.2	1.8	2.3	2.8	3.3	3.7	4.2	4.7	5.1	10.6	50	52	54	56	58	60	63	65	67	69
10.8	0.4	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	4.9	10.8	49	51	53	55	57	59	61	63	65	67
11.0	0.1	0.7	1.2	1.8	2.3	2.8	3.3	3.8	4.2	4.7	11.0	47	49	51	53	55	57	59	61	63	65
11.2	-0.1	0.4	1.0	1.5	2.0	2.6	3.1	3.5	4.0	4.5	11.2	45	47	49	51	53	55	57	59	61	63
11.4	-0.4	0.1	0.7	1.3	1.8	2.3	2.8	3.3	3.8	4.3	11.4	44	46	48	50	52	54	56	57	59	61
11.6	-0.7	-0.1	0.4	1.0	1.5	2.1	2.6	3.1	3.6	4.0	11.6	42	44	46	48	50	52	54	56	58	60
11.8	-0.9	-0.4	0.1	0.7	1.3	1.8	2.3	2.8	3.3	3.8	11.8	41	43	45	47	48	50	52	54	56	58

Table for use when Wet Bulb is covered with water

Wet Bulb : 6.0 to 7.8

Dry Bulb : 12.0 to 17.8

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
12.0	-1.2	-0.7	-0.1	0.4	1.0	1.5	2.1	2.6	3.1	3.6
12.2	-1.5	-0.9	-0.4	0.2	0.7	1.3	1.8	2.4	2.9	3.4
12.4	-1.8	-1.2	-0.6	-0.1	0.5	1.0	1.6	2.1	2.6	3.1
12.6	-2.1	-1.5	-0.9	-0.4	0.2	0.7	1.3	1.8	2.4	2.9
12.8	-2.3	-1.8	-1.2	-0.6	-0.1	0.5	1.0	1.6	2.1	2.7
13.0	-2.7	-2.0	-1.5	-0.9	-0.4	0.2	0.8	1.3	1.9	2.4
13.2	-3.0	-2.3	-1.7	-1.2	-0.6	-0.1	0.5	1.1	1.6	2.2
13.4	-3.3	-2.6	-2.0	-1.5	-0.9	-0.3	0.2	0.8	1.4	1.9
13.6	-3.6	-3.0	-2.3	-1.7	-1.2	-0.6	-0.1	0.5	1.1	1.6
13.8	-3.9	-3.3	-2.6	-2.0	-1.4	-0.9	-0.3	0.2	0.8	1.4
14.0	-4.3	-3.6	-3.0	-2.3	-1.7	-1.1	-0.6	0.0	0.5	1.1
14.2	-4.6	-3.9	-3.3	-2.6	-2.0	-1.4	-0.8	-0.3	0.3	0.8
14.4	-5.0	-4.3	-3.6	-2.9	-2.3	-1.7	-1.1	-0.6	0.0	0.6
14.6	-5.4	-4.6	-3.9	-3.3	-2.6	-2.0	-1.4	-0.8	-0.3	0.3
14.8	-5.8	-5.0	-4.3	-3.6	-2.9	-2.3	-1.7	-1.1	-0.5	0.0
15.0	-6.2	-5.4	-4.6	-3.9	-3.2	-2.6	-2.0	-1.4	-0.8	-0.2
15.2	-6.6	-5.8	-5.0	-4.3	-3.6	-2.9	-2.3	-1.7	-1.1	-0.5
15.4	-7.0	-6.2	-5.4	-4.6	-3.9	-3.2	-2.6	-1.9	-1.3	-0.8
15.6	-7.5	-6.6	-5.8	-5.0	-4.3	-3.6	-2.9	-2.2	-1.6	-1.0
15.8	-7.9	-7.0	-6.2	-5.4	-4.6	-3.9	-3.2	-2.5	-1.9	-1.3
16.0	-8.4	-7.5	-6.6	-5.8	-5.0	-4.2	-3.5	-2.9	-2.2	-1.6
16.2	-8.9	-7.9	-7.0	-6.2	-5.4	-4.6	-3.9	-3.2	-2.5	-1.9
16.4	-9.4	-8.4	-7.4	-6.6	-5.7	-5.0	-4.2	-3.5	-2.8	-2.2
16.6	-9.9	-8.9	-7.9	-7.0	-6.1	-5.3	-4.6	-3.8	-3.1	-2.5
16.8	-10.5	-9.4	-8.4	-7.4	-6.5	-5.7	-4.9	-4.2	-3.5	-2.8
17.0	-11.1	-9.9	-8.9	-7.9	-7.0	-6.1	-5.3	-4.5	-3.8	-3.1
17.2	-11.7	-10.5	-9.4	-8.4	-7.4	-6.5	-5.7	-4.9	-4.2	-3.4
17.4	-12.3	-11.1	-9.9	-8.9	-7.9	-6.9	-6.1	-5.3	-4.5	-3.8
17.6	-13.0	-11.7	-10.5	-9.4	-8.3	-7.4	-6.5	-5.7	-4.9	-4.1
17.8	-13.8	-12.3	-11.1	-9.9	-8.8	-7.8	-6.9	-6.1	-5.2	-4.5

Relative Humidity (%)

Dry Bulb °C	Wet Bulb °C									
	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
12.0	39	41	43	45	47	49	51	53	54	56
12.2	38	40	42	44	45	47	49	51	53	55
12.4	37	38	40	42	44	46	48	49	51	53
12.6	35	37	39	41	42	44	46	48	50	52
12.8	34	36	37	39	41	43	45	46	48	50
13.0	33	34	36	38	40	41	43	45	47	49
13.2	31	33	35	37	38	40	42	44	45	47
13.4	30	32	34	35	37	39	40	42	44	46
13.6	29	31	32	34	36	37	39	41	42	44
13.8	28	29	31	33	34	36	38	39	41	43
14.0	27	28	30	32	33	35	36	38	40	41
14.2	26	27	29	30	32	34	35	37	38	40
14.4	24	26	28	29	31	32	34	36	37	39
14.6	23	25	26	28	30	31	33	34	36	38
14.8	22	24	25	27	28	30	32	33	35	36
15.0	21	23	24	26	27	29	30	32	34	35
15.2	20	22	23	25	26	28	29	31	32	34
15.4	19	21	22	24	25	27	28	30	31	33
15.6	18	20	21	23	24	26	27	28	30	32
15.8	17	19	20	22	23	25	26	27	29	31
16.0	16	18	19	21	22	24	25	27	28	29
16.2	16	17	18	20	21	23	24	25	27	28
16.4	15	16	17	19	20	22	23	24	26	27
16.6	14	15	17	18	19	21	22	23	25	26
16.8	13	14	16	17	18	20	21	23	24	25
17.0	12	13	15	16	17	19	20	21	22	23
17.2	11	13	14	15	17	18	19	20	21	22
17.4	11	12	13	14	16	17	18	19	20	21
17.6	10	11	12	14	15	16	18	19	20	22
17.8	9	10	12	13	14	15	17	18	19	21

Table for use when Wet Bulb is covered with water

Wet Bulb: 6.0 to 7.8

Dry Bulb: 18.0 to 24.2

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
18.0	-14.5	-13.0	-11.7	-10.5	-9.3	-8.3	-7.4	-6.5	-5.6	-4.8
18.2	-15.4	-13.8	-12.3	-11.0	-9.9	-8.8	-7.8	-6.9	-6.0	-5.2
18.4	-16.3	-14.5	-13.0	-11.7	-10.4	-9.3	-8.3	-7.3	-6.4	-5.6
18.6	-17.2	-15.4	-13.7	-12.3	-11.0	-9.8	-8.8	-7.8	-6.8	-6.0
18.8	-18.3	-16.3	-14.5	-13.0	-11.6	-10.4	-9.3	-8.2	-7.3	-6.4
19.0	-19.4	-17.2	-15.3	-13.7	-12.3	-11.0	-9.8	-8.7	-7.7	-6.8
19.2	-20.7	-18.3	-16.2	-14.5	-13.0	-11.6	-10.4	-9.2	-8.2	-7.2
19.4	-22.2	-19.4	-17.2	-15.3	-13.7	-12.3	-10.9	-9.8	-8.7	-7.7
19.6	-23.9	-20.7	-18.3	-16.2	-14.5	-12.9	-11.6	-10.3	-9.2	-8.1
19.8	-25.8	-22.2	-19.4	-17.2	-15.3	-13.7	-12.2	-10.9	-9.7	-8.6
20.0	-28.3	-23.9	-20.7	-18.2	-16.2	-14.4	-12.9	-11.5	-10.3	-9.1
20.2	-31.4	-25.8	-22.2	-19.4	-17.1	-15.2	-13.6	-12.2	-10.9	-9.7
20.4	-36.0	-28.3	-23.8	-20.7	-18.2	-16.1	-14.4	-12.8	-11.5	-10.2
20.6	-45.1	-31.4	-25.8	-22.1	-19.3	-17.1	-15.2	-13.5	-12.1	-10.8
20.8	-36.0	-28.2	-23.8	-20.6	-18.1	-16.1	-14.3	-12.8	-11.4	
21.0	-45.1	-31.4	-25.8	-22.1	-19.3	-17.0	-15.1	-13.5	-12.0	
21.2		-36.0	-28.2	-23.7	-20.5	-18.1	-16.0	-14.2	-12.7	
21.4		-44.9	-31.3	-25.7	-22.0	-19.2	-16.9	-15.1	-13.4	
21.6			-35.8	-28.1	-23.6	-20.5	-18.0	-15.9	-14.2	
21.8				-44.6	-31.2	-25.6	-21.9	-19.1	-16.9	-15.0
22.0					-35.6	-27.9	-23.5	-20.4	-17.9	-15.8
22.2					-44.1	-31.0	-25.4	-21.8	-19.0	-16.8
22.4						-35.4	-27.8	-23.4	-20.2	-17.8
22.6						-43.5	-30.8	-25.3	-21.6	-18.9
22.8							-35.0	-27.6	-23.2	-20.1
23.0								-42.7	-30.5	-25.1
23.2									-34.7	-27.4
23.4									-41.9	-30.2
23.6										-34.2
23.8										-41.0
24.0										
24.2										

Dry Bulb °C	Relative Humidity (%)								(800 mb)	
	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8
18.0	8	10	11	12	13	15	16	17	18	20
18.2	8	9	10	11	13	14	15	16	18	19
18.4	7	8	9	11	12	13	14	16	17	18
18.6	6	7	9	10	11	12	14	15	16	17
18.8	6	7	8	9	10	12	13	14	15	16
19.0	5	6	7	8	10	11	12	13	14	16
19.2	4	5	7	8	9	10	11	12	14	15
19.4	4	5	6	7	8	9	11	12	13	14
19.6	3	4	5	6	8	9	10	11	12	13
19.8	3	4	5	6	7	8	9	10	12	13
20.0	2	3	4	5	6	7	9	10	11	12
20.2	1	2	4	5	6	7	8	9	10	11
20.4	1	2	3	4	5	6	7	8	10	11
20.6	0	1	2	3	5	6	7	8	9	10
20.8		1	2	3	4	5	6	7	8	9
21.0		0	1	2	3	4	5	7	8	9
21.2			1	2	3	4	5	6	7	8
21.4			0	1	2	3	4	5	6	7
21.6				1	2	3	4	5	6	7
21.8				0	1	2	3	4	5	6
22.0					1	2	3	4	5	6
22.2					0	1	2	3	4	5
22.4						1	2	3	4	5
22.6						0	1	2	3	4
22.8							1	2	3	4
23.0							0	1	2	3
23.2								1	2	3
23.4								0	1	2
23.6									1	2
23.8									0	1
24.0										1
24.2										0

Table for use when Wet Bulb is covered with ice

Wet Bulb : 8.0 to 9.8
Dry Bulb : 8.0 to 13.8

Dry Bulb °C	Dew Point °C									Relative Humidity (%)									(800 mb)	
	Wet Bulb °C									Wet Bulb °C										
8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	
8.0	8.0									100										
8.2	7.8	8.2								97	100									
8.4	7.6	8.0	8.4							95	97	100								
8.6	7.5	7.8	8.2	8.6						93	95	98	100							
8.8	7.3	7.7	8.0	8.4	8.8					90	93	95	98	100						
9.0	7.1	7.5	7.9	8.2	8.6	9.0				88	90	93	95	98	100					
9.2	6.9	7.3	7.7	8.1	8.5	8.8	9.2			86	88	90	93	95	98	100				
9.4	6.7	7.1	7.5	7.9	8.3	8.7	9.0	9.4		83	86	88	90	93	95	98	100			
9.6	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.2	9.6	81	84	86	88	90	93	95	98	100		
9.8	6.3	6.8	7.2	7.5	7.9	8.3	8.7	9.1	9.4	79	81	84	86	88	91	93	95	98	100	
10.0	6.1	6.6	7.0	7.4	7.8	8.1	8.5	8.9	9.3	77	79	81	84	86	88	91	93	95	98	
10.2	6.0	6.4	6.8	7.2	7.6	8.0	8.4	8.7	9.1	75	77	79	82	84	86	88	91	93	95	
10.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	8.9	73	75	77	79	82	84	86	88	91	93	
10.6	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4	8.8	71	73	75	77	80	82	84	86	89	91	
10.8	5.3	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	69	71	73	75	78	80	82	84	86	89	
11.0	5.1	5.6	6.0	6.4	6.9	7.3	7.7	8.1	8.4	67	69	71	73	76	78	80	82	84	86	
11.2	4.9	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	65	67	69	72	74	76	78	80	82	84	
11.4	4.7	5.2	5.6	6.0	6.5	6.9	7.3	7.7	8.1	64	66	68	70	72	74	76	78	80	82	
11.6	4.5	5.0	5.4	5.9	6.3	6.7	7.1	7.5	7.9	62	64	66	68	70	72	74	76	78	80	
11.8	4.3	4.8	5.2	5.7	6.1	6.5	6.9	7.3	7.7	60	62	64	66	68	70	72	74	76	78	
12.0	4.1	4.5	5.0	5.4	5.9	6.3	6.7	7.2	7.6	58	60	62	64	66	68	70	72	74	76	
12.2	3.8	4.3	4.8	5.2	5.7	6.1	6.6	7.0	7.4	57	59	61	62	64	66	68	70	72	74	
12.4	3.6	4.1	4.6	5.0	5.5	5.9	6.4	6.8	7.2	55	57	59	61	63	65	67	69	71	73	
12.6	3.4	3.9	4.4	4.8	5.3	5.7	6.2	6.6	7.0	53	55	57	59	61	63	65	67	69	71	
12.8	3.2	3.7	4.1	4.6	5.1	5.5	6.0	6.4	6.8	52	54	56	57	59	61	63	65	67	69	
13.0	2.9	3.4	3.9	4.4	4.9	5.3	5.8	6.2	6.6	50	52	54	56	58	60	61	63	65	67	
13.2	2.7	3.2	3.7	4.2	4.7	5.1	5.6	6.0	6.5	49	51	52	54	56	58	60	62	64	66	
13.4	2.4	2.9	3.5	4.0	4.4	4.9	5.4	5.8	6.3	47	49	51	53	55	56	58	60	62	64	
13.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2	5.6	6.1	46	48	49	51	53	55	57	58	60	62	
13.8	1.9	2.5	3.0	3.5	4.0	4.5	5.0	5.4	5.9	45	46	48	50	52	53	55	57	59	61	

Table for use when Wet Bulb is covered with water

Wet Bulb : 8.0 to 9.8
Dry Bulb : 14.0 to 19.8

Dry Bulb °C	Dew Point °C									Relative Humidity (%)									(800 mb)	
	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	
14.0	1.7	2.2	2.7	3.3	3.8	4.3	4.7	5.2	5.7	43	45	47	48	50	52	54	55	57	59	
14.2	1.4	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	42	44	45	47	49	50	52	54	56	57	
14.4	1.2	1.7	2.3	2.8	3.3	3.8	4.3	4.8	5.3	41	42	44	46	47	49	51	52	54	56	
14.6	0.9	1.5	2.0	2.5	3.1	3.6	4.1	4.6	5.1	39	41	43	44	46	48	49	51	53	54	
14.8	0.6	1.2	1.8	2.3	2.8	3.4	3.9	4.3	4.8	38	40	41	43	45	46	48	50	51	53	
15.0	0.3	0.9	1.5	2.1	2.6	3.1	3.6	4.1	4.6	37	38	40	42	43	45	47	48	50	52	
15.2	0.1	0.7	1.2	1.8	2.3	2.9	3.4	3.9	4.4	36	37	39	40	42	44	45	47	48	50	
15.4	-0.2	0.4	1.0	1.5	2.1	2.6	3.2	3.7	4.2	34	36	37	39	41	42	44	45	47	49	
15.6	-0.5	0.1	0.7	1.3	1.8	2.4	2.9	3.5	4.0	33	35	36	38	39	41	43	44	46	47	
15.8	-0.7	-0.2	0.4	1.0	1.6	2.1	2.7	3.2	3.7	32	34	35	37	38	40	41	43	45	46	
16.0	-1.0	-0.4	0.1	0.7	1.3	1.9	2.4	3.0	3.5	31	32	34	35	37	39	40	42	43	45	
16.2	-1.3	-0.7	-0.1	0.5	1.1	1.6	2.2	2.7	3.3	30	31	33	34	36	37	39	40	42	44	
16.4	-1.6	-1.0	-0.4	0.2	0.8	1.4	1.9	2.5	3.0	29	30	32	33	35	36	38	39	41	42	
16.6	-1.8	-1.2	-0.7	-0.1	0.5	1.1	1.7	2.3	2.8	28	29	31	32	34	35	37	38	40	41	
16.8	-2.1	-1.5	-0.9	-0.3	0.2	0.8	1.4	2.0	2.6	27	28	30	31	33	34	35	37	38	40	
17.0	-2.4	-1.8	-1.2	-0.6	0.0	0.6	1.2	1.7	2.3	26	27	29	30	31	33	34	36	37	39	
17.2	-2.8	-2.1	-1.5	-0.9	-0.3	0.3	0.9	1.5	2.1	25	26	28	29	30	32	33	35	36	38	
17.4	-3.1	-2.4	-1.8	-1.2	-0.6	0.0	0.6	1.2	1.8	24	25	27	28	29	31	32	34	35	37	
17.6	-3.4	-2.7	-2.1	-1.4	-0.8	-0.3	0.3	1.0	1.6	23	24	26	27	28	30	31	33	34	35	
17.8	-3.7	-3.0	-2.4	-1.7	-1.1	-0.5	0.1	0.7	1.3	22	23	25	26	27	29	30	32	33	34	
18.0	-4.1	-3.4	-2.7	-2.0	-1.4	-0.8	-0.2	0.4	1.0	21	22	24	25	26	28	29	31	32	33	
18.2	-4.4	-3.7	-3.0	-2.3	-1.7	-1.1	-0.5	0.1	0.8	20	22	23	24	25	27	28	30	31	32	
18.4	-4.8	-4.0	-3.3	-2.6	-2.0	-1.3	-0.7	-0.1	0.5	19	21	22	23	25	26	27	29	30	31	
18.6	-5.2	-4.4	-3.6	-2.9	-2.3	-1.6	-1.0	-0.4	0.2	19	20	21	22	24	25	26	28	29	30	
18.8	-5.5	-4.7	-4.0	-3.3	-2.6	-1.9	-1.3	-0.7	-0.1	18	19	19	20	21	23	24	25	27	28	
19.0	-5.9	-5.1	-4.3	-3.6	-2.9	-2.2	-1.6	-0.9	-0.3	17	18	19	20	21	22	23	24	26	27	
19.2	-6.3	-5.5	-4.7	-3.9	-3.2	-2.5	-1.9	-1.2	-0.6	16	17	19	20	21	22	24	25	26	27	
19.4	-6.7	-5.9	-5.0	-4.3	-3.5	-2.8	-2.1	-1.5	-0.9	15	17	18	19	20	21	23	24	25	27	
19.6	-7.2	-6.3	-5.4	-4.6	-3.9	-3.1	-2.4	-1.8	-1.2	15	16	17	18	19	21	22	23	24	26	
19.8	-7.6	-6.7	-5.8	-5.0	-4.2	-3.5	-2.8	-2.1	-1.4	14	15	16	17	19	20	21	22	24	25	

Table for use when Wet Bulb is covered with water

Wet Bulb : 8.0 to 9.8
Dry Bulb : 20.0 to 23.8

Dry Bulb °C	Dew Point °C									Relative Humidity (%)									(800 mb)	
	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	
20.0	-8.1	-7.1	-6.2	-5.4	-4.6	-3.8	-3.1	-2.4	-1.7	13	14	15	17	18	19	20	21	23	24	
20.2	-8.6	-7.6	-6.6	-5.7	-4.9	-4.1	-3.4	-2.7	-2.0	12	14	15	16	17	18	19	21	22	23	
20.4	-9.1	-8.0	-7.1	-6.1	-5.3	-4.5	-3.7	-3.0	-2.3	12	13	14	15	16	18	19	20	21	22	
20.6	-9.6	-8.5	-7.5	-6.6	-5.7	-4.9	-4.1	-3.3	-2.6	11	12	13	14	16	17	18	19	20	21	
20.8	-10.2	-9.0	-8.0	-7.0	-6.1	-5.2	-4.4	-3.7	-2.9	10	12	13	14	15	16	17	18	20	21	
21.0	-10.7	-9.5	-8.4	-7.4	-6.5	-5.6	-4.8	-4.0	-3.2	10	11	12	13	14	15	16	18	19	20	
21.2	-11.3	-10.1	-8.9	-7.9	-6.9	-6.0	-5.1	-4.3	-3.6	9	10	11	12	14	15	16	17	18	19	
21.4	-12.0	-10.6	-9.5	-8.4	-7.4	-6.4	-5.5	-4.7	-3.9	9	10	11	12	13	14	15	16	17	18	
21.6	-12.6	-11.2	-10.0	-8.9	-7.8	-6.8	-5.9	-5.1	-4.3	8	9	10	11	12	13	14	15	17	18	
21.8	-13.3	-11.9	-10.6	-9.4	-8.3	-7.3	-6.3	-5.4	-4.6	7	8	9	11	12	13	14	15	16	17	
22.0	-14.1	-12.5	-11.2	-9.9	-8.8	-7.7	-6.7	-5.8	-5.0	7	8	9	10	11	12	13	14	15	16	
22.2	-14.9	-13.2	-11.8	-10.5	-9.3	-8.2	-7.2	-6.2	-5.4	6	7	8	9	10	11	12	13	15	16	
22.4	-15.7	-14.0	-12.4	-11.1	-9.8	-8.7	-7.6	-6.7	-5.7	6	7	8	9	10	11	12	13	14	15	
22.6	-16.6	-14.8	-13.1	-11.7	-10.4	-9.2	-8.1	-7.1	-6.1	5	6	7	8	9	10	11	12	13	14	
22.8	-17.7	-15.6	-13.9	-12.3	-11.0	-9.7	-8.6	-7.5	-6.6	5	6	7	8	9	10	11	12	13	14	
23.0	-18.8	-16.5	-14.6	-13.0	-11.6	-10.3	-9.1	-8.0	-7.0	4	5	6	7	8	9	10	11	12	13	
23.2	-20.0	-17.5	-15.5	-13.7	-12.2	-10.9	-9.6	-8.5	-7.4	4	5	6	7	8	9	10	11	12	13	
23.4	-21.3	-18.6	-16.4	-14.5	-12.9	-11.5	-10.2	-9.0	-7.9	3	4	5	6	7	8	9	10	11	12	
23.6	-22.9	-19.8	-17.4	-15.4	-13.6	-12.1	-10.7	-9.5	-8.4	3	4	5	6	7	8	9	10	11	12	
23.8	-24.7	-21.2	-18.4	-16.2	-14.4	-12.8	-11.3	-10.0	-8.9	2	3	4	5	6	7	8	9	10	11	

Wet Bulb : 8.0 to 9.8
Dry Bulb : 24.0 to 28.8

Table for use when Wet Bulb is covered with water

Dry Bulb °C	Dew Point °C									
	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8
24.0	-26.9	-22.7	-19.6	-17.2	-15.2	-13.5	-12.0	-10.6	-9.4	-8.3
24.2	-29.6	-24.4	-21.0	-18.3	-16.1	-14.2	-12.6	-11.2	-9.9	-8.7
24.4	-33.3	-26.6	-22.5	-19.4	-17.1	-15.1	-13.3	-11.8	-10.5	-9.3
24.6	-39.2	-29.2	-24.2	-20.7	-18.1	-15.9	-14.1	-12.5	-11.1	-9.8
24.8	-59.2	-32.7	-26.2	-22.2	-19.2	-16.9	-14.9	-13.2	-11.7	-10.3
25.0	-38.2	-28.8	-23.9	-20.5	-17.9	-15.8	-13.9	-12.3	-10.9	
25.2	-52.7	-32.2	-25.9	-22.0	-19.0	-16.7	-14.7	-13.0	-11.5	
25.4	-37.3	-28.4	-23.6	-20.3	-17.7	-15.6	-13.8	-12.2		
25.6	-48.8	-31.6	-25.5	-21.7	-18.8	-16.5	-14.5	-12.9		
25.8	-36.3	-27.9	-23.3	-20.0	-17.5	-15.4	-13.6			
26.0	-45.8	-31.0	-25.2	-21.4	-18.6	-16.3	-14.4			
26.2	-35.4	-27.5	-23.0	-19.8	-17.3	-15.2				
26.4	-43.5	-30.4	-24.8	-21.1	-18.3	-16.1				
26.6	-34.4	-27.0	-22.6	-19.5	-17.0					
26.8	-41.4	-29.7	-24.4	-20.8	-18.1					
27.0	-33.5	-26.5	-22.3	-19.2						
27.2	-39.7	-29.1	-24.0	-20.5						
27.4	-67.3	-32.6	-26.0	-21.9						
27.6	-38.1	-28.5	-23.6							
27.8	-52.0	-31.8	-25.5							
28.0	-36.6	-27.8								
28.2	-46.7	-30.9								
28.4	-35.2									
28.6	-43.2									
28.8										

Dry Bulb °C	Relative Humidity (%)									(800 mb)		
	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8		
24.0	2	3	4	4	5	6	7	8	9	10		
24.2	1	2	3	4	5	6	7	8	9	10		
24.4	1	2	3	4	5	6	7	8	9	9		
24.6	0	1	2	3	4	5	6	7	8	9		
24.8	0	1	2	3	4	5	6	7	8	8		
25.0	0	1	2	3	4	5	6	7	8	8		
25.2	0	1	2	3	4	5	6	7	6	7		
25.4	1	1	2	3	4	5	6	7	6	7		
25.6	0	1	2	3	4	5	6	7	6	6		
25.8	1	1	2	3	4	5	6	7	6	6		
26.0	0	1	2	3	4	5	6	7	4	5		
26.2	0	1	1	2	3	4	5	6	4	5		
26.4	0	1	2	3	4	5	6	7	4	4		
26.6	0	1	1	2	3	4	5	6	3	4		
26.8	0	1	2	3	4	5	6	7	3	4		
27.0	0	1	1	2	3	4	5	6	2	3		
27.2	0	1	2	3	4	5	6	7	1	2		
27.4	0	1	2	3	4	5	6	7	1	2		
27.6	0	1	2	3	4	5	6	7	0	1		
27.8	0	1	2	3	4	5	6	7	0	1		
28.0	0	1	2	3	4	5	6	7	0	1		
28.2	0	1	2	3	4	5	6	7	0	1		
28.4	0	1	2	3	4	5	6	7	0	1		
28.6	0	1	2	3	4	5	6	7	0	1		
28.8	0	1	2	3	4	5	6	7	0	1		

Table for use when Wet Bulb is covered with ice

Wet Bulb : 10.0 to 11.8
Dry Bulb : 10.0 to 15.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8		10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
10.0	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	10.0	100	98	96	94	92	90	88	86	84	82
10.2	9.8	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	10.2	98	100	97	95	93	91	89	87	85	83
10.4	9.7	10.0	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	10.4	95	98	97	100	98	96	94	93	92	91
10.6	9.5	9.9	10.2	10.6	10.8	11.0	11.2	11.4	11.6	11.8	10.6	93	95	97	100	98	96	94	93	92	91
10.8	9.4	9.7	10.1	10.4	10.8	11.0	11.2	11.4	11.6	11.8	10.8	91	93	95	98	100	98	96	94	93	92
11.0	9.2	9.6	9.9	10.3	10.6	11.0	11.2	11.4	11.6	11.8	11.0	89	91	93	95	98	100	98	100	98	96
11.2	9.0	9.4	9.8	10.1	10.5	10.8	11.2	11.4	11.6	11.8	11.2	87	89	91	93	95	98	100	98	100	98
11.4	8.9	9.2	9.6	10.0	10.3	10.7	11.0	11.4	11.6	11.8	11.4	84	87	89	91	93	95	98	100	98	100
11.6	8.7	9.1	9.5	9.8	10.2	10.5	10.9	11.2	11.6	11.8	11.6	82	85	87	89	91	93	96	98	100	98
11.8	8.5	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.4	11.8	11.8	80	83	85	87	89	91	93	96	98	100
12.0	8.4	8.7	9.1	9.5	9.9	10.2	10.6	11.0	11.3	11.6	12.0	78	81	83	85	87	89	91	93	96	98
12.2	8.2	8.6	9.0	9.3	9.7	10.1	10.4	10.8	11.2	11.5	12.2	77	79	81	83	85	87	89	91	93	96
12.4	8.0	8.4	8.8	9.2	9.6	9.9	10.3	10.7	11.0	11.4	12.4	75	77	79	81	83	85	87	89	91	93
12.6	7.8	8.2	8.6	9.0	9.4	9.8	10.1	10.5	10.9	11.2	12.6	73	75	77	79	81	83	85	87	89	91
12.8	7.7	8.1	8.5	8.9	9.2	9.6	10.0	10.4	10.7	11.1	12.8	71	73	75	77	79	81	83	85	87	89
13.0	7.5	7.9	8.3	8.7	9.1	9.5	9.8	10.2	10.6	10.9	13.0	69	71	73	75	77	79	81	83	85	87
13.2	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.4	10.8	13.2	67	69	71	73	75	77	79	81	83	85
13.4	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.6	13.4	66	68	70	71	73	75	77	79	81	83
13.6	6.9	7.4	7.8	8.2	8.6	9.0	9.4	9.7	10.1	10.5	13.6	64	66	68	70	72	74	76	77	79	81
13.8	6.7	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.3	13.8	62	64	66	68	70	72	74	76	77	79
14.0	6.6	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.2	14.0	61	63	64	66	68	70	72	74	76	78
14.2	6.4	6.8	7.2	7.6	8.1	8.5	8.9	9.3	9.6	10.0	14.2	59	61	63	65	67	68	70	72	74	76
14.4	6.2	6.6	7.0	7.5	7.9	8.3	8.7	9.1	9.5	9.9	14.4	58	59	61	63	65	67	69	70	72	74
14.6	6.0	6.4	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	14.6	56	58	60	62	63	65	67	69	71	72
14.8	5.8	6.2	6.7	7.1	7.5	7.9	8.4	8.8	9.2	9.5	14.8	55	56	58	60	62	64	65	67	69	71
15.0	5.6	6.0	6.5	6.9	7.3	7.8	8.2	8.6	9.0	9.4	15.0	53	55	57	58	60	62	64	66	67	69
15.2	5.4	5.8	6.3	6.7	7.2	7.6	8.0	8.4	8.8	9.2	15.2	52	54	55	57	59	60	62	64	66	68
15.4	5.2	5.6	6.1	6.5	7.0	7.4	7.8	8.2	8.7	9.1	15.4	50	52	54	55	57	59	61	62	64	66
15.6	4.9	5.4	5.9	6.3	6.8	7.2	7.7	8.1	8.5	8.9	15.6	49	51	52	54	56	57	59	61	63	64
15.8	4.7	5.2	5.7	6.1	6.6	7.0	7.5	7.9	8.3	8.7	15.8	48	49	51	53	54	56	58	59	61	63

Table for use when Wet Bulb is covered with water

Wet Bulb : 10.0 to 11.8

Dry Bulb : 16.0 to 21.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
16.0	4.5	5.0	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.6
16.2	4.3	4.8	5.3	5.7	6.2	6.7	7.1	7.5	8.0	8.4
16.4	4.1	4.6	5.1	5.5	6.0	6.5	6.9	7.4	7.8	8.2
16.6	3.9	4.4	4.9	5.3	5.8	6.3	6.7	7.2	7.6	8.0
16.8	3.6	4.1	4.6	5.1	5.6	6.1	6.5	7.0	7.4	7.9
17.0	3.4	3.9	4.4	4.9	5.4	5.9	6.3	6.8	7.3	7.7
17.2	3.2	3.7	4.2	4.7	5.2	5.7	6.1	6.6	7.1	7.5
17.4	2.9	3.5	4.0	4.5	5.0	5.5	5.9	6.4	6.9	7.3
17.6	2.7	3.2	3.8	4.3	4.8	5.3	5.8	6.2	6.7	7.1
17.8	2.4	3.0	3.5	4.1	4.6	5.1	5.5	6.0	6.5	6.9
18.0	2.2	2.8	3.3	3.8	4.3	4.9	5.3	5.8	6.3	6.8
18.2	1.9	2.5	3.1	3.6	4.1	4.6	5.1	5.6	6.1	6.6
18.4	1.7	2.3	2.8	3.4	3.9	4.4	4.9	5.4	5.9	6.4
18.6	1.4	2.0	2.6	3.1	3.7	4.2	4.7	5.2	5.7	6.2
18.8	1.2	1.8	2.3	2.9	3.4	4.0	4.5	5.0	5.5	6.0
19.0	0.9	1.5	2.1	2.7	3.2	3.8	4.3	4.8	5.3	5.8
19.2	0.6	1.2	1.8	2.4	3.0	3.5	4.1	4.6	5.1	5.6
19.4	0.3	1.0	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.4
19.6	0.1	0.7	1.3	1.9	2.5	3.1	3.6	4.1	4.7	5.2
19.8	-0.2	0.4	1.0	1.7	2.2	2.8	3.4	3.9	4.4	5.0
20.0	-0.5	0.1	0.8	1.4	2.0	2.6	3.1	3.7	4.2	4.7
20.2	-0.7	-0.1	0.5	1.1	1.7	2.3	2.9	3.5	4.0	4.5
20.4	-1.0	-0.4	0.2	0.9	1.5	2.1	2.7	3.2	3.8	4.3
20.6	-1.3	-0.7	-0.1	0.6	1.2	1.8	2.4	3.0	3.6	4.1
20.8	-1.6	-0.9	-0.3	0.3	0.9	1.6	2.2	2.8	3.3	3.9
21.0	-1.9	-1.2	-0.6	0.0	0.7	1.3	1.9	2.5	3.1	3.6
21.2	-2.2	-1.5	-0.9	-0.2	0.4	1.0	1.7	2.3	2.8	3.4
21.4	-2.5	-1.8	-1.1	-0.5	0.1	0.8	1.4	2.0	2.6	3.2
21.6	-2.8	-2.1	-1.4	-0.8	-0.2	0.5	1.1	1.8	2.4	2.9
21.8	-3.1	-2.4	-1.7	-1.0	-0.4	0.2	0.9	1.5	2.1	2.7

Dry Bulb °C	Wet Bulb °C									
	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
16.0	46	48	50	51	53	55	56	58	60	61
16.2	45	47	48	50	52	53	55	56	58	60
16.4	44	45	47	49	50	52	53	55	57	58
16.6	43	44	46	47	49	50	52	54	55	57
16.8	41	43	45	46	48	49	51	52	54	56
17.0	40	42	43	45	46	48	49	51	53	54
17.2	39	41	42	44	45	47	48	50	51	53
17.4	38	39	41	42	44	45	47	48	50	52
17.6	37	38	40	41	43	44	46	47	49	50
17.8	36	37	39	40	42	43	45	46	48	49
18.0	35	36	38	39	40	42	43	45	46	48
18.2	34	35	36	38	39	41	42	44	45	47
18.4	33	34	35	37	38	40	41	42	44	45
18.6	32	33	34	36	37	39	40	41	43	44
18.8	31	32	33	35	36	37	39	40	42	43
19.0	30	31	32	34	35	36	38	39	41	42
19.2	29	30	31	33	34	35	37	38	39	41
19.4	28	29	30	32	33	34	35	36	37	38
19.6	27	28	29	31	32	33	35	36	37	39
19.8	26	27	29	30	31	32	34	35	36	38
20.0	25	26	28	29	30	31	33	34	35	37
20.2	24	26	27	28	29	31	32	33	34	36
20.4	23	25	26	27	28	29	30	31	32	35
20.6	23	24	25	26	28	29	30	31	33	34
20.8	22	23	24	25	27	28	29	30	31	33
21.0	21	22	23	25	26	27	28	29	30	32
21.2	20	21	23	24	25	26	27	28	29	31
21.4	20	21	22	23	24	25	26	27	28	30
21.6	19	20	21	22	23	24	25	26	27	29
21.8	18	19	20	21	23	25	26	27	28	29

Table for use when Wet Bulb is covered with water

Wet Bulb : 10.0 to 11.8

Dry Bulb : 22.0 to 27.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8		10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8
22.0	-3.4	-2.7	-2.0	-1.3	-0.7	-0.1	0.6	1.2	1.9	2.5	22.0	17	19	20	21	22	23	24	25	26	28
22.2	-3.7	-3.0	-2.3	-1.6	-1.0	-0.3	0.3	1.0	1.6	2.2	22.2	17	18	19	20	21	22	23	24	26	27
22.4	-4.1	-3.3	-2.6	-1.9	-1.2	-0.6	0.0	0.7	1.3	2.0	22.4	16	17	18	19	20	21	23	24	25	26
22.6	-4.4	-3.7	-2.9	-2.2	-1.5	-0.9	-0.2	0.4	1.1	1.7	22.6	15	16	18	19	20	21	22	23	24	25
22.8	-4.8	-4.0	-3.2	-2.5	-1.8	-1.1	-0.5	0.1	0.8	1.4	22.8	15	16	17	18	19	20	21	22	23	24
23.0	-5.2	-4.3	-3.6	-2.8	-2.1	-1.4	-0.8	-0.2	0.5	1.2	23.0	14	15	16	17	18	19	20	22	23	24
23.2	-5.6	-4.7	-3.9	-3.1	-2.4	-1.7	-1.0	-0.4	0.2	0.9	23.2	13	15	16	17	18	19	20	21	22	23
23.4	-5.9	-5.1	-4.2	-3.5	-2.7	-2.0	-1.3	-0.7	-0.1	0.6	23.4	13	14	15	16	17	18	19	20	21	22
23.6	-6.4	-5.4	-4.6	-3.8	-3.0	-2.3	-1.6	-0.9	-0.3	0.3	23.6	12	13	14	15	16	17	18	19	20	22
23.8	-6.8	-5.8	-5.0	-4.1	-3.4	-2.6	-1.9	-1.2	-0.6	0.1	23.8	12	13	14	15	16	17	18	19	20	21
24.0	-7.2	-6.2	-5.3	-4.5	-3.7	-2.9	-2.2	-1.5	-0.8	-0.2	24.0	11	12	13	14	15	16	17	18	19	20
24.2	-7.7	-6.7	-5.7	-4.8	-4.0	-3.2	-2.5	-1.8	-1.1	-0.5	24.2	11	12	13	13	14	15	16	17	18	19
24.4	-8.1	-7.1	-6.1	-5.2	-4.4	-3.6	-2.8	-2.1	-1.4	-0.7	24.4	10	11	12	13	14	15	16	17	18	19
24.6	-8.6	-7.5	-6.5	-5.6	-4.7	-3.9	-3.1	-2.4	-1.7	-1.0	24.6	9	10	11	12	13	14	15	16	17	18
24.8	-9.1	-8.0	-7.0	-6.0	-5.1	-4.3	-3.5	-2.7	-2.0	-1.3	24.8	9	10	11	12	13	14	15	16	17	18
25.0	-9.7	-8.5	-7.4	-6.4	-5.5	-4.6	-3.8	-3.0	-2.3	-1.6	25.0	8	9	10	11	12	13	14	15	16	17
25.2	-10.2	-9.0	-7.9	-6.8	-5.9	-5.0	-4.1	-3.3	-2.6	-1.9	25.2	8	9	10	11	12	13	13	14	15	16
25.4	-10.8	-9.5	-8.4	-7.3	-6.3	-5.4	-4.5	-3.7	-2.9	-2.2	25.4	7	8	9	10	11	12	13	14	15	16
25.6	-11.4	-10.1	-8.8	-7.7	-6.7	-5.8	-4.9	-4.0	-3.2	-2.5	25.6	7	8	9	10	11	11	12	13	14	15
25.8	-12.0	-10.6	-9.4	-8.2	-7.1	-6.2	-5.2	-4.4	-3.5	-2.8	25.8	7	7	8	9	10	11	12	13	14	15
26.0	-12.7	-11.2	-9.9	-8.7	-7.6	-6.6	-5.6	-4.7	-3.9	-3.1	26.0	6	7	8	9	10	10	11	12	13	14
26.2	-13.4	-11.8	-10.5	-9.2	-8.1	-7.0	-6.0	-5.1	-4.2	-3.4	26.2	6	6	7	8	9	10	11	12	13	14
26.4	-14.2	-12.5	-11.0	-9.7	-8.5	-7.4	-6.4	-5.5	-4.6	-3.7	26.4	5	6	7	8	9	9	10	11	12	13
26.6	-15.0	-13.2	-11.7	-10.3	-9.0	-7.9	-6.9	-5.9	-5.0	-4.1	26.6	5	6	6	7	8	9	10	11	12	12
26.8	-15.8	-14.0	-12.3	-10.9	-9.6	-8.4	-7.3	-6.3	-5.3	-4.5	26.8	4	5	6	7	8	9	9	10	11	12
27.0	-16.8	-14.8	-13.0	-11.5	-10.1	-8.9	-7.7	-6.7	-5.7	-4.8	27.0	4	5	6	6	7	8	9	10	11	11
27.2	-17.8	-15.6	-13.7	-12.1	-10.7	-9.4	-8.2	-7.1	-6.1	-5.2	27.2	4	4	5	6	7	8	8	9	10	11
27.4	-18.9	-16.5	-14.5	-12.8	-11.3	-9.9	-8.7	-7.6	-6.5	-5.6	27.4	3	4	5	6	6	7	8	9	10	10
27.6	-20.1	-17.5	-15.4	-13.5	-11.9	-10.5	-9.2	-8.0	-7.0	-6.0	27.6	3	4	4	5	6	7	8	8	9	10
27.8	-21.5	-18.6	-16.3	-14.3	-12.6	-11.1	-9.7	-8.5	-7.4	-6.4	27.8	2	3	4	5	6	6	7	8	9	10

Table for use when Wet Bulb is covered with water

Wet Bulb : 10.0 to 11.8

Dry Bulb : 28.0 to 33.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C										
	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	
28.0	-23.1	-19.8	-17.2	-15.1	-13.3	-11.7	-10.3	-9.0	-7.9	-6.8	28.0	2	3	4	4	5	6	7	7	8	9
28.2	-25.0	-21.2	-18.3	-16.0	-14.1	-12.4	-10.9	-9.6	-8.3	-7.2	28.2	2	2	3	4	5	5	6	7	8	9
28.4	-27.2	-22.7	-19.5	-16.9	-14.9	-13.1	-11.5	-10.1	-8.8	-7.7	28.4	1	2	3	4	4	5	6	7	7	8
28.6	-30.1	-24.5	-20.8	-18.0	-15.7	-13.8	-12.1	-10.7	-9.4	-8.2	28.6	1	2	2	3	4	5	5	6	7	8
28.8	-34.0	-26.6	-22.2	-19.1	-16.6	-14.6	-12.8	-11.3	-9.9	-8.6	28.8	1	1	2	3	4	4	5	6	7	7
29.0	-40.5	-29.2	-23.9	-20.4	-17.6	-15.4	-13.5	-11.9	-10.5	-9.2	29.0	0	1	2	2	3	4	5	5	6	7
29.2		-32.8	-26.0	-21.8	-18.7	-16.3	-14.3	-12.6	-11.0	-9.7	29.2		1	1	2	3	4	4	5	6	7
29.4		-38.4	-28.4	-23.4	-20.0	-17.3	-15.1	-13.3	-11.7	-10.2	29.4	0	1	1	2	3	3	4	5	5	6
29.6		-53.7	-31.7	-25.3	-21.3	-18.4	-16.0	-14.0	-12.3	-10.8	29.6	0	1	1	2	2	3	4	4	5	6
29.8			-36.5	-27.7	-22.9	-19.6	-17.0	-14.8	-13.0	-11.4	29.8		0	1	1	2	3	3	4	5	5
30.0			-46.5	-30.6	-24.7	-20.9	-18.0	-15.7	-13.8	-12.1	30.0		0	1	0	2	2	3	4	4	5
30.2				-34.9	-26.9	-22.4	-19.1	-16.6	-14.5	-12.8	30.2		0	1	1	2	2	3	3	4	5
30.4				-42.4	-29.6	-24.1	-20.4	-17.6	-15.4	-13.5	30.4		0	1	1	2	2	3	3	4	4
30.6					-33.4	-26.1	-21.8	-18.7	-16.3	-14.2	30.6			0	1	1	2	2	3	3	4
30.8					-39.4	-28.7	-23.5	-20.0	-17.2	-15.0	30.8				0	0	1	2	2	3	4
31.0					-62.8	-32.0	-25.4	-21.3	-18.3	-15.9	31.0				0	0	1	1	2	3	3
31.2						-37.1	-27.8	-22.9	-19.5	-16.9	31.2					0	0	1	2	2	3
31.4						-48.2	-30.8	-24.7	-20.8	-17.9	31.4					0	0	1	1	2	3
31.6						-35.1	-26.9	-22.3	-19.0	-16.0	31.6					0	0	1	1	2	2
31.8						-42.9	-29.6	-24.0	-20.3	-17.3	31.8					0	0	1	1	2	2
32.0							-33.4	-26.0	-21.7	-17.7	32.0					0	0	1	1	2	2
32.2							-39.4	-28.5	-23.3	-19.7	32.2					0	0	0	0	1	2
32.4							-62.7	-31.8	-25.2	-20.7	32.4					0	0	0	0	1	1
32.6								-36.7	-27.5	-22.7	32.6					0	0	0	0	0	1
32.8								-47.2	-30.5	-25.7	32.8					0	0	0	0	0	1
33.0									-34.6	-27.7	33.0					0	0	0	0	0	0
33.2										-31.1	33.2					0	0	0	0	0	0
33.4										-27.7	33.4					0	0	0	0	0	0
33.6										-24.2	33.6					0	0	0	0	0	0
33.8										-20.7	33.8					0	0	0	0	0	0
34.0										-17.2	34.0					0	0	0	0	0	0
34.2										-13.7	34.2					0	0	0	0	0	0
34.4										-10.2	34.4					0	0	0	0	0	0
34.6										-6.7	34.6					0	0	0	0	0	0
34.8										-3.2	34.8					0	0	0	0	0	0
35.0										2.3	35.0					0	0	0	0	0	0

Table for use when Wet Bulb is covered with water

Wet Bulb : 12.0 to 13.8

Dry Bulb : 12.0 to 17.8

Dry Bulb °C	Dew Point °C									Relative Humidity (%) (800 mb)										
	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8
12.0	12.0										100									
12.2	11.9	12.2									98	100								
12.4	11.7	12.1	12.4								96	98	100							
12.6	11.6	11.9	12.3	12.6							93	96	98	100						
12.8	11.4	11.8	12.1	12.5	12.8						91	94	96	98	100					
13.0	11.3	11.6	12.0	12.3	12.7	13.0					89	91	94	96	98	100				
13.2	11.1	11.5	11.8	12.2	12.5	12.9	13.2				87	89	92	94	96	98	100			
13.4	11.0	11.3	11.7	12.0	12.4	12.7	13.1	13.4			85	87	89	92	94	96	98	100		
13.6	10.8	11.2	11.6	11.9	12.3	12.6	12.9	13.3	13.6		83	85	88	90	92	94	96	98	100	
13.8	10.7	11.1	11.4	11.8	12.1	12.5	12.8	13.1	13.5	13.8	82	84	86	88	90	92	94	96	98	100
14.0	10.5	10.9	11.3	11.6	12.0	12.3	12.7	13.0	13.3	13.7	80	82	84	86	88	90	92	94	96	98
14.2	10.4	10.8	11.1	11.5	11.8	12.2	12.5	12.9	13.2	13.5	78	80	82	84	86	88	90	92	94	96
14.4	10.2	10.6	11.0	11.3	11.7	12.0	12.4	12.7	13.1	13.4	76	78	80	82	84	86	88	90	92	94
14.6	10.1	10.5	10.8	11.2	11.6	11.9	12.3	12.6	12.9	13.3	74	76	78	80	82	84	86	88	90	92
14.8	9.9	10.3	10.7	11.0	11.4	11.8	12.1	12.5	12.8	13.2	73	75	76	78	80	82	84	86	88	90
15.0	9.8	10.2	10.5	10.9	11.3	11.6	12.0	12.3	12.7	13.0	71	73	75	77	78	80	82	84	86	88
15.2	9.6	10.0	10.4	10.8	11.1	11.5	11.8	12.2	12.5	12.9	69	71	73	75	77	79	80	82	84	86
15.4	9.5	9.8	10.2	10.6	11.0	11.3	11.7	12.1	12.4	12.8	68	69	71	73	75	77	79	81	82	84
15.6	9.3	9.7	10.1	10.5	10.8	11.2	11.6	11.9	12.3	12.6	66	68	70	71	73	75	77	79	81	82
15.8	9.1	9.5	9.9	10.3	10.7	11.0	11.4	11.8	12.1	12.5	65	66	68	70	71	73	75	77	79	81
16.0	9.0	9.4	9.8	10.1	10.5	10.9	11.3	11.6	12.0	12.4	63	65	66	68	70	72	73	75	77	79
16.2	8.8	9.2	9.6	10.0	10.4	10.8	11.1	11.5	11.9	12.2	62	63	65	67	68	70	72	74	75	77
16.4	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.7	12.1	60	62	63	65	67	68	70	72	74	76
16.6	8.5	8.9	9.3	9.7	10.1	10.5	10.8	11.2	11.6	11.9	59	60	62	64	65	67	69	70	72	74
16.8	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.4	11.8	57	59	60	62	64	66	67	69	71	72
17.0	8.1	8.5	8.9	9.4	9.8	10.1	10.5	10.9	11.3	11.7	56	57	59	61	62	64	66	67	69	71
17.2	7.9	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.1	11.5	54	56	58	59	61	63	64	66	67	69
17.4	7.8	8.2	8.6	9.0	9.4	9.8	10.2	10.6	11.0	11.4	53	55	56	58	60	61	63	64	66	68
17.6	7.6	8.0	8.4	8.9	9.3	9.7	10.1	10.5	10.8	11.2	52	53	55	57	58	60	61	63	65	66
17.8	7.4	7.8	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1	51	52	54	55	57	58	60	62	63	65

Table for use when Wet Bulb is covered with water

Wet Bulb : 12.0 to 13.8
Dry Bulb : 18.0 to 22.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C										
	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	
18.0	7.2	7.7	8.1	8.5	8.9	9.4	9.8	10.2	10.5	10.9	18.0	49	51	52	54	55	57	59	60	62	63
18.2	7.0	7.5	7.9	8.4	8.8	9.2	9.6	10.0	10.4	10.8	18.2	48	50	51	53	54	56	57	59	60	62
18.4	6.8	7.3	7.7	8.2	8.6	9.0	9.4	9.8	10.2	10.6	18.4	47	48	50	51	53	54	56	57	59	61
18.6	6.6	7.1	7.6	8.0	8.4	8.9	9.3	9.7	10.1	10.5	18.6	46	47	49	50	52	53	55	56	58	59
18.8	6.5	6.9	7.4	7.8	8.3	8.7	9.1	9.5	9.9	10.3	18.8	45	46	47	49	50	52	53	55	56	58
19.0	6.3	6.7	7.2	7.6	8.1	8.5	8.9	9.4	9.8	10.2	19.0	43	45	46	48	49	51	52	54	55	57
19.2	6.1	6.5	7.0	7.5	7.9	8.3	8.8	9.2	9.6	10.0	19.2	42	44	45	47	48	49	51	52	54	55
19.4	5.9	6.3	6.8	7.3	7.7	8.2	8.6	9.0	9.5	9.9	19.4	41	43	44	45	47	48	50	51	53	54
19.6	5.7	6.2	6.6	7.1	7.5	8.0	8.4	8.9	9.3	9.7	19.6	40	41	43	44	46	47	48	50	51	53
19.8	5.5	6.0	6.4	6.9	7.4	7.8	8.3	8.7	9.1	9.5	19.8	39	40	42	43	45	46	47	49	50	52
20.0	5.3	5.8	6.2	6.7	7.2	7.6	8.1	8.5	9.0	9.4	20.0	38	39	41	42	43	45	46	48	49	50
20.2	5.1	5.6	6.0	6.5	7.0	7.5	7.9	8.4	8.8	9.2	20.2	37	38	40	41	42	44	45	46	48	49
20.4	4.8	5.3	5.8	6.3	6.8	7.3	7.7	8.2	8.6	9.0	20.4	36	37	39	40	41	43	44	45	47	48
20.6	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.0	8.4	8.9	20.6	35	36	38	39	40	42	43	44	46	47
20.8	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.8	8.3	8.7	20.8	34	35	37	38	39	41	42	43	45	46
21.0	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.6	8.1	8.5	21.0	33	34	36	37	38	40	41	42	43	45
21.2	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	7.9	8.4	21.2	32	33	35	36	37	39	40	41	42	44
21.4	3.7	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.7	8.2	21.4	31	33	34	35	36	38	39	40	41	43
21.6	3.5	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.0	21.6	30	32	33	34	35	37	38	39	40	42
21.8	3.3	3.8	4.4	4.9	5.4	5.9	6.4	6.9	7.4	7.9	21.8	30	31	32	33	34	36	37	38	39	41
22.0	3.0	3.6	4.2	4.7	5.2	5.7	6.2	6.7	7.2	7.7	22.0	29	30	31	32	34	35	36	37	38	40
22.2	2.8	3.4	3.9	4.5	5.0	5.5	6.0	6.5	7.0	7.5	22.2	28	29	30	31	33	34	35	36	38	39
22.4	2.6	3.1	3.7	4.3	4.8	5.3	5.8	6.3	6.8	7.3	22.4	27	28	29	30	31	32	33	34	35	38
22.6	2.3	2.9	3.5	4.0	4.6	5.1	5.6	6.1	6.6	7.1	22.6	26	27	29	30	31	32	33	34	36	37
22.8	2.1	2.7	3.2	3.8	4.4	4.9	5.4	5.9	6.4	6.9	22.8	26	27	28	29	30	31	32	34	35	36

Table for use when Wet Bulb is covered with water

Wet Bulb : 12.0 to 13.8

Dry Bulb : 23.0 to 27.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8		12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8
23.0	1.8	2.4	3.0	3.6	4.2	4.7	5.2	5.7	6.3	6.7	23.0	25	26	27	28	29	30	32	33	34	35
23.2	1.5	2.2	2.8	3.4	3.9	4.5	5.0	5.5	6.1	6.6	23.2	24	25	26	27	28	30	31	32	33	34
23.4	1.3	1.9	2.5	3.1	3.7	4.3	4.8	5.3	5.9	6.4	23.4	23	24	25	27	28	29	30	31	32	33
23.6	1.0	1.6	2.3	2.9	3.5	4.0	4.6	5.1	5.7	6.2	23.6	23	24	25	26	27	28	29	30	31	33
23.8	0.7	1.4	2.0	2.6	3.2	3.8	4.4	4.9	5.5	6.0	23.8	22	23	24	25	26	27	28	29	31	32
24.0	0.5	1.1	1.8	2.4	3.0	3.6	4.2	4.7	5.2	5.8	24.0	21	22	23	24	25	26	28	29	30	31
24.2	0.2	0.8	1.5	2.1	2.7	3.3	3.9	4.5	5.0	5.6	24.2	21	22	23	24	25	26	27	28	29	30
24.4	-0.1	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.8	5.4	24.4	20	21	22	23	24	25	26	27	28	29
24.6	-0.4	0.3	1.0	1.6	2.3	2.9	3.5	4.0	4.6	5.2	24.6	19	20	21	22	23	24	25	26	27	29
24.8	-0.6	0.0	0.7	1.4	2.0	2.6	3.2	3.8	4.4	4.9	24.8	19	20	21	22	23	24	25	26	27	28
25.0	-0.9	-0.3	0.4	1.1	1.7	2.4	3.0	3.6	4.2	4.7	25.0	18	19	20	21	22	23	24	25	26	27
25.2	-1.2	-0.5	0.1	0.8	1.5	2.1	2.8	3.4	3.9	4.5	25.2	17	18	19	20	21	22	23	24	25	26
25.4	-1.5	-0.8	-0.1	0.5	1.2	1.9	2.5	3.1	3.7	4.3	25.4	17	18	19	20	21	22	23	24	25	26
25.6	-1.7	-1.1	-0.4	0.3	1.0	1.6	2.3	2.9	3.5	4.1	25.6	16	17	18	19	20	21	22	23	24	25
25.8	-2.0	-1.3	-0.7	0.0	0.7	1.4	2.0	2.6	3.2	3.8	25.8	16	16	17	18	19	20	21	22	23	24
26.0	-2.3	-1.6	-0.9	-0.3	0.4	1.1	1.7	2.4	3.0	3.6	26.0	15	16	17	18	19	20	21	22	23	24
26.2	-2.6	-1.9	-1.2	-0.5	0.1	0.8	1.5	2.1	2.8	3.4	26.2	14	15	16	17	18	19	20	21	22	23
26.4	-3.0	-2.2	-1.5	-0.8	-0.2	0.5	1.2	1.9	2.5	3.1	26.4	14	15	16	17	18	19	19	20	21	22
26.6	-3.3	-2.5	-1.8	-1.1	-0.4	0.3	1.0	1.6	2.3	2.9	26.6	13	14	15	16	17	18	19	20	21	22
26.8	-3.6	-2.8	-2.1	-1.4	-0.7	0.0	0.7	1.4	2.0	2.7	26.8	13	14	15	16	17	18	19	20	21	22
27.0	-4.0	-3.1	-2.4	-1.6	-1.0	-0.3	0.4	1.1	1.8	2.4	27.0	12	13	14	15	16	17	18	19	20	21
27.2	-4.3	-3.5	-2.7	-1.9	-1.2	-0.5	0.1	0.8	1.5	2.2	27.2	12	13	14	14	15	16	17	18	19	20
27.4	-4.7	-3.8	-3.0	-2.2	-1.5	-0.8	-0.2	0.5	1.2	1.9	27.4	11	12	13	14	15	16	17	17	18	19
27.6	-5.0	-4.2	-3.3	-2.5	-1.8	-1.1	-0.4	0.3	1.0	1.7	27.6	11	12	13	13	14	15	16	17	18	19
27.8	-5.4	-4.5	-3.7	-2.9	-2.1	-1.4	-0.7	0.0	0.7	1.4	27.8	10	11	12	13	14	15	16	17	18	

Table for use when Wet Bulb is covered with ice

Wet Bulb : 12.0 to 13.8
Dry Bulb : 28.0 to 32.8

Dry Bulb °C	Dew Point °C										Relative Humidity (%)										(800 mb)	
	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8		
28.0	-5.8	-4.9	-4.0	-3.2	-2.4	-1.7	-1.0	-0.3	0.4	1.1	28.0	10	11	12	12	13	14	15	16	17	18	
28.2	-6.2	-5.3	-4.4	-3.5	-2.7	-1.9	-1.2	-0.5	0.1	0.9	28.2	9	10	11	12	13	14	14	15	16	17	
28.4	-6.6	-5.6	-4.7	-3.9	-3.0	-2.2	-1.5	-0.8	-0.1	0.6	28.4	9	10	11	11	12	13	14	15	16	16	
28.6	-7.1	-6.0	-5.1	-4.2	-3.4	-2.6	-1.8	-1.1	-0.4	0.3	28.6	9	9	10	11	12	13	13	14	15	16	
28.8	-7.5	-6.4	-5.5	-4.6	-3.7	-2.9	-2.1	-1.4	-0.7	0.0	28.8	8	9	10	11	11	12	13	14	15	15	
29.0	-8.0	-6.9	-5.9	-4.9	-4.0	-3.2	-2.4	-1.6	-0.9	-0.2	29.0	8	9	9	10	11	12	13	13	14	15	
29.2	-8.4	-7.3	-6.3	-5.3	-4.4	-3.5	-2.7	-2.0	-1.2	-0.5	29.2	7	8	9	10	10	11	12	13	14	14	
29.4	-8.9	-7.8	-6.7	-5.7	-4.7	-3.9	-3.0	-2.2	-1.5	-0.8	29.4	7	8	8	9	10	11	12	12	13	14	
29.6	-9.5	-8.2	-7.1	-6.1	-5.1	-4.2	-3.4	-2.6	-1.8	-1.1	29.6	7	7	8	9	9	10	10	11	12	13	
29.8	-10.0	-8.7	-7.6	-6.5	-5.5	-4.6	-3.7	-2.9	-2.1	-1.3	29.8	6	7	8	8	9	10	11	11	12	13	
30.0	-10.6	-9.2	-8.0	-6.9	-5.9	-4.9	-4.0	-3.2	-2.4	-1.6	30.0	6	7	7	8	9	10	10	11	12	13	
30.2	-11.2	-9.8	-8.5	-7.4	-6.3	-5.3	-4.4	-3.5	-2.7	-1.9	30.2	5	6	7	8	8	9	10	11	11	12	
30.4	-11.8	-10.3	-9.0	-7.8	-6.7	-5.7	-4.7	-3.9	-3.0	-2.2	30.4	5	6	7	7	8	9	9	10	11	12	
30.6	-12.5	-10.9	-9.5	-8.3	-7.2	-6.1	-5.1	-4.2	-3.3	-2.5	30.6	5	5	6	7	8	8	9	10	11	11	
30.8	-13.2	-11.5	-10.1	-8.8	-7.6	-6.5	-5.5	-4.6	-3.7	-2.8	30.8	4	5	6	7	7	8	9	9	10	11	
31.0	-13.9	-12.2	-10.7	-9.3	-8.1	-6.9	-5.9	-4.9	-4.0	-3.2	31.0	4	5	5	6	7	8	8	9	9	10	
31.2	-14.7	-12.9	-11.3	-9.9	-8.6	-7.4	-6.3	-5.3	-4.4	-3.5	31.2	4	4	5	6	6	7	8	9	9	10	
31.4	-15.6	-13.6	-11.9	-10.4	-9.1	-7.8	-6.7	-5.7	-4.7	-3.8	31.4	3	4	5	5	6	7	8	8	9	10	
31.6	-16.5	-14.4	-12.6	-11.0	-9.6	-8.3	-7.2	-6.1	-5.1	-4.2	31.6	3	4	4	5	6	6	7	8	9	9	
31.8	-17.5	-15.2	-13.3	-11.6	-10.2	-8.8	-7.6	-6.5	-5.5	-4.5	31.8	3	3	4	5	5	6	7	8	8	9	
32.0	-18.6	-16.1	-14.0	-12.3	-10.7	-9.3	-8.1	-6.9	-5.9	-4.9	32.0	2	3	4	4	5	6	6	7	8	9	
32.2	-19.8	-17.1	-14.8	-13.0	-11.3	-9.9	-8.6	-7.4	-6.3	-5.3	32.2	2	3	3	4	5	5	6	7	7	8	
32.4	-21.1	-18.1	-15.7	-13.7	-12.0	-10.4	-9.1	-7.8	-6.7	-5.7	32.4	2	3	3	4	4	5	6	6	7	8	
32.6	-22.6	-19.3	-16.6	-14.5	-12.6	-11.0	-9.6	-8.3	-7.1	-6.1	32.6	2	2	3	4	4	5	5	6	7	7	
32.8	-24.4	-20.5	-17.6	-15.3	-13.4	-11.7	-10.2	-8.8	-7.6	-6.5	32.8	1	2	3	3	4	5	5	6	6	7	

Table for use when Wet Bulb is covered with water

Wet Bulb : 12.0 to 13.8

Dry Bulb : 33.0 to 38.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C										
	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	
33.0	-26.5	-22.0	-18.7	-16.2	-14.1	-12.3	-10.7	-9.3	-8.1	-6.9	33.0	1	2	2	3	4	4	5	5	6	7
33.2	-29.2	-23.7	-20.0	-17.2	-14.9	-13.0	-11.3	-9.9	-8.6	-7.3	33.2	1	1	2	3	3	4	5	5	6	6
33.4	-32.8	-25.6	-21.3	-18.2	-15.8	-13.7	-12.0	-10.4	-9.1	-7.8	33.4	1	1	2	2	3	4	4	5	5	6
33.6	-36.3	-28.0	-22.9	-19.4	-16.7	-14.5	-12.7	-11.0	-9.6	-8.3	33.6	0	1	1	2	3	3	4	5	5	6
33.8	-53.4	-31.1	-24.7	-20.7	-17.7	-15.4	-13.4	-11.7	-10.1	-8.8	33.8	0	1	1	2	2	3	4	4	5	6
34.0	-35.6	-26.9	-22.2	-18.9	-16.3	-14.1	-12.3	-10.7	-9.3	-8.0	34.0	0	1	2	2	3	3	4	5	5	5
34.2	-44.2	-29.7	-23.9	-20.1	-17.2	-14.9	-13.0	-11.3	-9.8	-8.5	34.2	0	1	1	2	2	3	3	4	4	5
34.4	-33.5	-25.9	-21.5	-18.3	-15.8	-13.7	-12.0	-10.4	-9.1	-7.8	34.4	0	1	2	2	3	3	3	4	5	5
34.6	-39.6	-28.4	-23.1	-19.5	-16.8	-14.5	-12.6	-11.0	-9.6	-8.3	34.6	0	1	1	2	2	3	3	4	4	4
34.8	-66.9	-31.6	-24.9	-20.8	-17.8	-15.3	-13.3	-11.6	-10.2	-8.9	34.8	0	1	1	2	2	3	3	4	4	4
35.0	-36.4	-27.2	-22.3	-18.9	-16.3	-14.1	-12.3	-10.6	-9.3	-8.0	35.0	0	1	1	2	2	3	3	4	4	4
35.2	-46.2	-30.0	-24.0	-20.1	-17.2	-14.9	-12.9	-11.2	-9.9	-8.6	35.2	0	1	1	2	2	3	3	4	4	4
35.4	-33.9	-26.0	-21.5	-18.3	-15.8	-13.7	-11.9	-10.2	-9.0	-7.7	35.4	0	1	1	2	2	3	3	4	4	4
35.6	-40.5	-28.6	-23.1	-19.5	-16.7	-14.5	-12.7	-11.0	-9.8	-8.5	35.6	0	1	1	2	2	3	3	4	4	4
35.8	-31.9	-25.0	-20.8	-17.7	-15.3	-13.2	-11.5	-10.0	-8.7	-7.4	35.8	0	1	1	2	2	3	3	4	4	4
36.0	-36.8	-27.2	-22.3	-18.8	-16.2	-14.0	-12.3	-10.6	-9.3	-8.0	36.0	0	1	1	2	2	3	3	4	4	4
36.2	-47.5	-30.1	-24.0	-20.1	-17.2	-14.5	-12.6	-10.9	-9.6	-8.3	36.2	0	1	1	2	2	3	3	4	4	4
36.4	-34.1	-26.0	-21.5	-18.2	-15.5	-13.2	-11.5	-10.0	-8.7	-7.4	36.4	0	1	1	2	2	3	3	4	4	4
36.6	-40.8	-28.5	-23.1	-19.4	-16.7	-14.4	-12.7	-11.0	-9.7	-8.4	36.6	0	1	1	2	2	3	3	4	4	4
36.8	-31.9	-24.9	-20.7	-17.4	-14.7	-12.4	-10.7	-9.1	-7.8	-6.5	36.8	0	1	1	2	2	3	3	4	4	4
37.0	-36.8	-27.2	-22.2	-18.8	-16.2	-13.8	-12.1	-10.5	-9.2	-7.9	37.0	0	1	1	2	2	3	3	4	4	4
37.2	-47.5	-30.0	-23.9	-19.8	-17.1	-14.8	-13.1	-11.5	-10.2	-8.9	37.2	0	1	1	2	2	3	3	4	4	4
37.4	-33.9	-25.9	-21.5	-18.2	-15.5	-13.2	-11.5	-10.0	-8.7	-7.4	37.4	0	1	1	2	2	3	3	4	4	4
37.6	-40.5	-28.4	-23.1	-19.5	-16.7	-14.5	-12.7	-11.0	-9.7	-8.4	37.6	0	1	1	2	2	3	3	4	4	4
37.8	-31.6	-25.0	-20.8	-17.7	-15.3	-13.2	-11.5	-10.0	-8.7	-7.4	37.8	0	1	1	2	2	3	3	4	4	4
38.0	-36.4	-28.5	-23.1	-19.4	-16.7	-14.4	-12.7	-11.0	-9.7	-8.4	38.0	0	1	1	2	2	3	3	4	4	4

Table for use when Wet Bulb is covered with water

Wet Bulb : 14.0 to 15.8
Dry Bulb : 14.0 to 18.8

<u>Dew Point °C</u>										<u>Relative Humidity (%)</u>										(800 mb)		
Dry Bulb °C	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8		
14.0	14.0										100											
14.2	13.9	14.2									98	100										
14.4	13.7	14.1	14.4								96	98	100									
14.6	13.6	13.9	14.3	14.6							94	96	98	100								
14.8	13.5	13.8	14.1	14.5	14.8						92	94	96	98	100							
15.0	13.4	13.7	14.0	14.3	14.7	15.0					90	92	94	96	98	100						
15.2	13.2	13.6	13.9	14.2	14.6	14.9	15.2				88	90	92	94	96	98	100					
15.4	13.1	13.4	13.8	14.1	14.4	14.8	15.1	15.4			86	88	90	92	94	96	98	100				
15.6	13.0	13.3	13.6	14.0	14.3	14.6	15.0	15.3	15.6		84	86	88	90	92	94	96	98	100			
15.8	12.8	13.2	13.5	13.9	14.2	14.5	14.8	15.2	15.5	15.8	83	84	86	88	90	92	94	96	98	100		
16.0	12.7	13.0	13.4	13.7	14.1	14.4	14.7	15.0	15.4	15.7	81	83	85	86	88	90	92	94	96	98		
16.2	12.6	12.9	13.3	13.6	13.9	14.3	14.6	14.9	15.2	15.6	79	81	83	85	87	88	90	92	94	96		
16.4	12.4	12.8	13.1	13.5	13.8	14.1	14.5	14.8	15.1	15.4	77	79	81	83	85	87	88	90	92	94		
16.6	12.3	12.7	13.0	13.3	13.7	14.0	14.4	14.7	15.0	15.3	76	78	79	81	83	85	87	89	90	92		
16.8	12.2	12.5	12.9	13.2	13.6	13.9	14.2	14.6	14.9	15.2	74	76	78	79	81	83	85	87	89	90		
17.0	12.0	12.4	12.7	13.1	13.4	13.8	14.1	14.4	14.8	15.1	73	74	76	78	80	81	83	85	87	89		
17.2	11.9	12.2	12.6	13.0	13.3	13.6	14.0	14.3	14.7	15.0	71	73	74	76	78	80	81	83	85	87		
17.4	11.7	12.1	12.5	12.8	13.2	13.5	13.9	14.2	14.5	14.9	69	71	73	75	76	78	80	82	83	85		
17.6	11.6	12.0	12.3	12.7	13.0	13.4	13.7	14.1	14.4	14.7	68	70	71	73	75	76	78	80	82	83		
17.8	11.5	11.8	12.2	12.6	12.9	13.3	13.6	14.0	14.3	14.6	66	68	70	71	73	75	77	78	80	82		
18.0	11.3	11.7	12.1	12.4	12.8	13.1	13.5	13.8	14.2	14.5	65	67	68	70	72	73	75	77	78	80		
18.2	11.2	11.5	11.9	12.3	12.6	13.0	13.4	13.7	14.0	14.4	64	65	67	68	70	72	73	75	77	78		
18.4	11.0	11.4	11.8	12.1	12.5	12.9	13.2	13.6	13.9	14.3	62	64	65	67	69	70	72	74	75	77		
18.6	10.9	11.3	11.6	12.0	12.4	12.7	13.1	13.4	13.8	14.1	61	62	64	66	67	69	70	72	74	75		
18.8	10.7	11.1	11.5	11.9	12.2	12.6	13.0	13.3	13.7	14.0	59	61	63	64	66	67	69	71	72	74		

Table for use when Wet Bulb is covered with water

Wet Bulb : 14.0 to 15.8
Dry Bulb : 19.0 to 23.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C									
	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8		14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8
19.0	10.6	11.0	11.3	11.7	12.1	12.5	12.8	13.2	13.5	13.9	19.0	58	60	61	63	64	66	67	69	71	72
19.2	10.4	10.8	11.2	11.6	12.0	12.3	12.7	13.1	13.4	13.8	19.2	57	58	60	61	63	64	66	68	69	71
19.4	10.3	10.7	11.1	11.4	11.8	12.2	12.6	12.9	13.3	13.6	19.4	56	57	59	60	62	63	65	66	68	69
19.6	10.1	10.5	10.9	11.3	11.7	12.1	12.4	12.8	13.2	13.5	19.6	54	56	57	59	60	62	63	65	66	68
19.8	10.0	10.4	10.8	11.2	11.5	11.9	12.3	12.7	13.0	13.4	19.8	53	55	56	57	59	60	62	63	65	67
20.0	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.5	12.9	13.3	20.0	52	53	55	56	58	59	61	62	64	65
20.2	9.6	10.1	10.5	10.9	11.3	11.6	12.0	12.4	12.8	13.1	20.2	51	52	54	55	56	58	59	61	62	64
20.4	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.6	13.0	20.4	50	51	52	54	55	57	58	60	61	63
20.6	9.3	9.7	10.1	10.6	11.0	11.3	11.7	12.1	12.5	12.9	20.6	48	50	51	53	54	55	57	58	60	61
20.8	9.1	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.7	20.8	47	49	50	51	53	54	56	57	58	60
21.0	9.0	9.4	9.8	10.2	10.6	11.1	11.5	11.8	12.2	12.6	21.0	46	48	49	50	52	53	54	56	57	59
21.2	8.8	9.2	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	21.2	45	46	48	49	50	52	53	55	56	57
21.4	8.6	9.1	9.5	9.9	10.3	10.8	11.2	11.6	11.9	12.3	21.4	44	45	47	48	49	51	52	53	55	56
21.6	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.4	11.8	12.2	21.6	43	44	46	47	48	50	51	52	54	55
21.8	8.3	8.7	9.2	9.6	10.0	10.4	10.9	11.3	11.7	12.0	21.8	42	43	45	46	47	48	50	51	53	54
22.0	8.1	8.6	9.0	9.5	9.9	10.3	10.7	11.1	11.5	11.9	22.0	41	42	44	45	46	47	49	50	51	53
22.2	8.0	8.4	8.9	9.3	9.7	10.1	10.6	11.0	11.4	11.8	22.2	40	41	43	44	45	46	48	49	50	52
22.4	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.8	11.2	11.6	22.4	39	40	42	43	44	45	47	48	49	51
22.6	7.6	8.1	8.5	9.0	9.4	9.8	10.2	10.7	11.1	11.5	22.6	38	39	41	42	43	44	46	47	48	49
22.8	7.4	7.9	8.3	8.8	9.2	9.7	10.1	10.5	10.9	11.3	22.8	37	38	40	41	42	43	45	46	47	48
23.0	7.2	7.7	8.2	8.6	9.1	9.5	9.9	10.4	10.8	11.2	23.0	36	37	39	40	41	42	44	45	46	47
23.2	7.0	7.5	8.0	8.5	8.9	9.3	9.8	10.2	10.6	11.0	23.2	35	37	38	39	40	41	43	44	45	46
23.4	6.9	7.3	7.8	8.3	8.7	9.2	9.6	10.1	10.5	10.9	23.4	35	36	37	38	39	40	42	43	44	45
23.6	6.7	7.2	7.6	8.1	8.6	9.0	9.5	9.9	10.3	10.7	23.6	34	35	36	37	38	39	41	42	43	44
23.8	6.5	7.0	7.5	7.9	8.4	8.9	9.3	9.7	10.2	10.6	23.8	33	34	35	36	37	39	40	41	42	43

Table for use when Wet Bulb is covered with water

Wet Bulb : 14.0 to 15.8

Dry Bulb : 24.0 to 28.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C									
	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8
24.0	6.3	6.8	7.3	7.8	8.2	8.7	9.1	9.6	10.0	10.4	32	33	34	35	37	38	39	40	41	42
24.2	6.1	6.6	7.1	7.6	8.0	8.5	9.0	9.4	9.9	10.3	31	32	33	35	36	37	38	39	40	41
24.4	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.7	10.1	30	31	33	34	35	36	37	38	39	41
24.6	5.7	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.5	10.0	30	31	32	33	34	35	36	37	39	40
24.8	5.5	6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.4	9.8	29	30	31	32	33	34	35	37	38	39
25.0	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.8	9.2	9.7	28	29	30	31	32	33	35	36	37	38
25.2	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.0	9.5	27	28	29	31	32	33	34	35	36	37
25.4	4.8	5.4	5.9	6.5	7.0	7.5	7.9	8.4	8.9	9.3	27	28	29	30	31	32	33	34	35	36
25.6	4.6	5.2	5.7	6.3	6.8	7.3	7.8	8.2	8.7	9.2	26	27	28	29	30	31	32	33	34	35
25.8	4.4	5.0	5.5	6.1	6.6	7.1	7.6	8.1	8.5	9.0	25	26	27	28	29	30	31	32	34	35
26.0	4.2	4.8	5.3	5.9	6.4	6.9	7.4	7.9	8.4	8.8	25	26	27	28	29	30	31	32	33	34
26.2	4.0	4.5	5.1	5.6	6.2	6.7	7.2	7.7	8.2	8.7	24	25	26	27	28	29	30	31	32	33
26.4	3.7	4.3	4.9	5.4	6.0	6.5	7.0	7.5	8.0	8.5	23	24	25	26	27	28	29	30	31	32
26.6	3.5	4.1	4.7	5.2	5.8	6.3	6.8	7.3	7.8	8.3	23	24	25	26	27	28	29	30	32	33
26.8	3.3	3.9	4.5	5.0	5.6	6.1	6.6	7.2	7.7	8.1	22	23	24	25	26	27	28	29	30	31
27.0	3.0	3.7	4.2	4.8	5.4	5.9	6.4	7.0	7.5	8.0	21	22	23	24	25	26	27	28	29	30
27.2	2.8	3.4	4.0	4.6	5.2	5.7	6.3	6.8	7.3	7.8	21	22	23	24	25	26	27	28	29	30
27.4	2.6	3.2	3.8	4.4	5.0	5.5	6.1	6.6	7.1	7.6	20	21	22	23	24	25	26	27	28	29
27.6	2.3	2.9	3.6	4.2	4.7	5.3	5.9	6.4	6.9	7.4	20	20	21	22	23	24	25	26	27	28
27.8	2.1	2.7	3.3	3.9	4.5	5.1	5.7	6.2	6.7	7.2	19	20	21	22	23	24	25	26	27	27
28.0	1.8	2.5	3.1	3.7	4.3	4.9	5.4	6.0	6.5	7.1	18	19	20	21	22	23	24	25	26	27
28.2	1.5	2.2	2.9	3.5	4.1	4.7	5.2	5.8	6.3	6.9	18	19	20	21	21	22	23	24	25	26
28.4	1.3	2.0	2.6	3.2	3.9	4.5	5.0	5.6	6.1	6.7	17	18	19	20	21	22	23	24	24	25
28.6	1.0	1.7	2.4	3.0	3.6	4.2	4.8	5.4	5.9	6.5	17	18	19	19	20	21	22	23	24	25
28.8	0.7	1.4	2.1	2.8	3.4	4.0	4.6	5.2	5.7	6.3	16	17	18	19	20	21	21	22	23	24

Table for use when Wet Bulb is covered with water

Wet Bulb : 14.0 to 15.8
Dry Bulb : 29.0 to 34.8

Dew Point °C										Relative Humidity (%) (800 mb)											
Dry Bulb °C	Wet Bulb °C									Dry Bulb °C	Wet Bulb °C										
	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6		14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	
29.0	0.5	1.2	1.9	2.5	3.2	3.8	4.4	5.0	5.5	6.1	29.0	16	17	17	18	19	20	21	22	23	24
29.2	0.2	0.9	1.6	2.3	2.9	3.6	4.2	4.8	5.3	5.9	29.2	15	16	17	18	19	19	20	21	22	23
29.4	-0.1	0.6	1.3	2.0	2.7	3.3	3.9	4.5	5.1	5.7	29.4	15	16	16	17	18	19	20	21	21	22
29.6	-0.4	0.3	1.1	1.8	2.4	3.1	3.7	4.3	4.9	5.5	29.6	14	15	16	17	18	18	19	20	21	22
29.8	-0.6	0.1	0.8	1.5	2.2	2.8	3.5	4.1	4.7	5.3	29.8	14	15	15	16	17	18	19	20	20	21
30.0	-0.9	-0.2	0.5	1.2	1.9	2.6	3.2	3.9	4.5	5.1	30.0	13	14	15	16	17	17	18	19	20	21
30.2	-1.2	-0.5	0.2	1.0	1.7	2.4	3.0	3.6	4.3	4.9	30.2	13	14	14	15	16	17	18	19	19	20
30.4	-1.5	-0.7	0.0	0.7	1.4	2.1	2.8	3.4	4.0	4.6	30.4	12	13	14	14	15	16	17	18	19	20
30.6	-1.8	-1.0	-0.3	0.4	1.1	1.8	2.5	3.2	3.8	4.4	30.6	12	13	14	14	15	16	17	17	18	19
30.8	-2.0	-1.3	-0.6	0.1	0.9	1.6	2.3	2.9	3.6	4.2	30.8	12	12	13	14	15	15	16	17	18	19
31.0	-2.3	-1.6	-0.9	-0.2	0.6	1.3	2.0	2.7	3.3	4.0	31.0	11	12	13	13	14	15	16	17	17	18
31.2	-2.7	-1.9	-1.1	-0.4	0.3	1.1	1.8	2.4	3.1	3.8	31.2	11	12	12	13	14	15	15	16	17	18
31.4	-3.0	-2.2	-1.4	-0.7	0.0	0.8	1.5	2.2	2.9	3.5	31.4	10	11	12	13	13	14	15	16	16	17
31.6	-3.3	-2.5	-1.7	-1.0	-0.2	0.5	1.2	1.9	2.6	3.3	31.6	10	11	11	12	13	14	14	15	16	17
31.8	-3.6	-2.8	-2.0	-1.2	-0.5	0.2	1.0	1.7	2.4	3.0	31.8	10	10	11	12	12	13	14	15	15	16
32.0	-4.0	-3.1	-2.3	-1.5	-0.8	-0.1	0.7	1.4	2.1	2.8	32.0	9	10	11	11	12	13	14	14	15	16
32.2	-4.3	-3.4	-2.6	-1.8	-1.1	-0.3	0.4	1.1	1.9	2.6	32.2	9	10	10	11	12	12	13	14	15	15
32.4	-4.7	-3.8	-2.9	-2.1	-1.3	-0.6	0.1	0.9	1.6	2.3	32.4	8	9	10	11	11	12	13	13	14	15
32.6	-5.1	-4.1	-3.2	-2.4	-1.6	-0.9	-0.2	0.6	1.3	2.1	32.6	8	9	9	9	10	11	12	12	13	14
32.8	-5.4	-4.5	-3.6	-2.7	-1.9	-1.1	-0.4	0.3	1.1	1.8	32.8	8	8	9	9	10	10	11	12	13	14
33.0	-5.8	-4.8	-3.9	-3.0	-2.2	-1.4	-0.7	0.0	0.8	1.5	33.0	7	8	9	9	9	10	11	11	12	14
33.2	-6.2	-5.2	-4.3	-3.4	-2.5	-1.7	-1.0	-0.2	0.5	1.3	33.2	7	8	8	8	9	9	10	11	12	13
33.4	-6.7	-5.6	-4.6	-3.7	-2.8	-2.0	-1.2	-0.5	0.2	1.0	33.4	7	7	8	8	9	9	9	10	11	13
33.6	-7.1	-6.0	-5.0	-4.0	-3.1	-2.3	-1.5	-0.8	0.0	0.7	33.6	6	7	8	8	8	9	9	10	11	12
33.8	-7.5	-6.4	-5.4	-4.4	-3.5	-2.6	-1.8	-1.0	-0.3	0.4	33.8	6	7	7	8	9	9	10	11	11	12
34.0	-8.0	-6.8	-5.8	-4.7	-3.8	-2.9	-2.1	-1.3	-0.6	0.2	34.0	6	6	7	8	8	9	9	10	10	12
34.2	-8.5	-7.3	-6.2	-5.1	-4.2	-3.3	-2.4	-1.6	-0.8	-0.1	34.2	6	6	7	7	8	9	9	10	11	11
34.4	-9.0	-7.7	-6.6	-5.5	-4.5	-3.6	-2.7	-1.9	-1.1	-0.4	34.4	5	6	6	7	8	8	9	10	10	11
34.6	-9.5	-8.2	-7.0	-5.9	-4.9	-3.9	-3.0	-2.2	-1.4	-0.6	34.6	5	6	6	7	7	8	9	9	10	11
34.8	-10.1	-8.7	-7.5	-6.3	-5.3	-4.3	-3.4	-2.5	-1.7	-0.9	34.8	5	5	6	6	7	8	8	9	10	10

Table for use when Wet Bulb is covered with water

Wet Bulb : 14.0 to 15.8
Dry Bulb : 35.0 to 40.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Wet Bulb °C										
	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	
35.0	-10.6	-9.2	-7.9	-6.7	-5.6	-4.6	-3.7	-2.8	-2.0	-1.2	35.0	4	5	6	6	7	7	8	9	9	10
35.2	-11.2	-9.7	-8.4	-7.2	-6.1	-5.0	-4.0	-3.1	-2.3	-1.5	35.2	4	5	5	6	6	7	8	8	9	10
35.4	-11.9	-10.3	-8.9	-7.6	-6.5	-5.4	-4.4	-3.5	-2.6	-1.8	35.4	4	4	5	6	6	7	7	8	9	9
35.6	-12.5	-10.9	-9.4	-8.1	-6.9	-5.8	-4.8	-3.8	-2.9	-2.1	35.6	4	4	5	5	6	6	7	8	8	9
35.8	-13.3	-11.5	-10.0	-8.6	-7.3	-6.2	-5.1	-4.1	-3.2	-2.4	35.8	3	4	4	5	6	6	7	7	8	9
36.0	-14.0	-12.2	-10.5	-9.1	-7.8	-6.6	-5.5	-4.5	-3.6	-2.7	36.0	3	4	4	5	5	6	6	7	8	8
36.2	-14.8	-12.8	-11.1	-9.6	-8.3	-7.1	-5.9	-4.9	-3.9	-3.0	36.2	3	3	4	4	5	6	6	7	7	8
36.4	-15.7	-13.6	-11.8	-10.2	-8.8	-7.5	-6.3	-5.3	-4.3	-3.3	36.4	3	3	4	4	5	5	6	6	7	8
36.6	-16.6	-14.3	-12.4	-10.8	-9.3	-8.0	-6.8	-5.6	-4.6	-3.7	36.6	2	3	3	4	5	5	6	6	7	7
36.8	-17.6	-15.2	-13.1	-11.4	-9.8	-8.4	-7.2	-6.0	-5.0	-4.0	36.8	2	3	3	4	4	5	5	6	6	7
37.0	-18.7	-16.1	-13.9	-12.0	-10.4	-8.9	-7.6	-6.5	-5.4	-4.4	37.0	2	2	3	3	4	5	5	6	6	7
37.2	-19.9	-17.0	-14.7	-12.7	-11.0	-9.5	-8.1	-6.9	-5.8	-4.7	37.2	2	2	3	3	4	4	5	5	6	6
37.4	-21.3	-18.1	-15.5	-13.4	-11.6	-10.0	-8.6	-7.3	-6.2	-5.1	37.4	1	2	2	3	4	4	5	5	6	6
37.6	-22.9	-19.2	-16.4	-14.2	-12.3	-10.6	-9.1	-7.8	-6.6	-5.5	37.6	1	2	2	3	3	4	4	5	5	6
37.8	-24.7	-20.5	-17.4	-15.0	-12.9	-11.2	-9.6	-8.3	-7.0	-5.9	37.8	1	1	2	3	3	4	4	5	5	6
38.0	-26.9	-22.0	-18.5	-15.9	-13.7	-11.8	-10.2	-8.8	-7.5	-6.3	38.0	1	1	2	2	3	3	4	4	5	5
38.2	-29.7	-23.6	-19.7	-16.8	-14.5	-12.5	-10.8	-9.3	-7.9	-6.7	38.2	1	1	2	2	3	3	4	4	5	5
38.4	-33.4	-25.6	-21.1	-17.8	-15.3	-13.2	-11.4	-9.8	-8.4	-7.1	38.4	0	1	1	2	2	3	3	4	4	5
38.6	-39.6	-28.0	-22.6	-19.0	-16.2	-14.0	-12.0	-10.4	-8.9	-7.6	38.6	0	1	1	2	2	3	3	4	4	5
38.8	-66.9	-31.1	-24.4	-20.2	-17.2	-14.8	-12.7	-11.0	-9.4	-8.1	38.8	0	0	1	1	2	2	3	3	4	4
39.0	-35.6	-26.5	-21.6	-18.2	-15.6	-13.4	-11.6	-10.0	-8.5		39.0	0	1	1	2	2	3	3	4	4	4
39.2	-44.1	-29.1	-23.3	-19.4	-16.5	-14.2	-12.3	-10.6	-9.1		39.2	0	1	1	2	2	3	3	4	4	4
39.4	-32.7	-25.1	-20.7	-17.5	-15.0	-12.9	-11.1	-9.6			39.4	0	1	1	2	2	3	3	4	4	4
39.6	-38.2	-27.4	-22.2	-18.6	-15.9	-13.7	-11.8	-10.1			39.6	0	1	1	2	2	3	3	3	4	4
39.8	-53.1	-30.4	-23.9	-19.9	-16.9	-14.5	-12.5	-10.7			39.8	0	0	1	1	2	2	3	3	3	3
40.0		-34.5	-25.9	-21.2	-17.9	-15.3	-13.2	-11.3			40.0	0	1	1	2	2	3	3	3	3	3

Table for use when Wet Bulb is covered with water

Wet Bulb : 16.0 to 17.8

Dry Bulb : 16.0 to 21.8

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8
16.0	16.0									
16.2	15.9	16.2								
16.4	15.8	16.1	16.4							
16.6	15.7	16.0	16.3	16.6						
16.8	15.5	15.9	16.2	16.5	16.8					
17.0	15.4	15.7	16.1	16.4	16.7	17.0				
17.2	15.3	15.6	15.9	16.3	16.6	16.9	17.2			
17.4	15.2	15.5	15.8	16.2	16.5	16.8	17.1	17.4		
17.6	15.1	15.4	15.7	16.0	16.4	16.7	17.0	17.3	17.6	
17.8	15.0	15.3	15.6	15.9	16.2	16.6	16.9	17.2	17.5	17.8
18.0	14.8	15.2	15.5	15.8	16.1	16.5	16.8	17.1	17.4	17.7
18.2	14.7	15.1	15.4	15.7	16.0	16.3	16.7	17.0	17.3	17.6
18.4	14.6	14.9	15.3	15.6	15.9	16.2	16.6	16.9	17.2	17.5
18.6	14.5	14.8	15.2	15.5	15.8	16.1	16.4	16.8	17.1	17.4
18.8	14.4	14.7	15.0	15.4	15.7	16.0	16.3	16.7	17.0	17.3
19.0	14.2	14.6	14.9	15.3	15.6	15.9	16.2	16.5	16.9	17.2
19.2	14.1	14.5	14.8	15.1	15.5	15.8	16.1	16.4	16.8	17.1
19.4	14.0	14.3	14.7	15.0	15.4	15.7	16.0	16.3	16.6	17.0
19.6	13.9	14.2	14.6	14.9	15.2	15.6	15.9	16.2	16.5	16.9
19.8	13.7	14.1	14.4	14.8	15.1	15.5	15.8	16.1	16.4	16.8
20.0	13.6	14.0	14.3	14.7	15.0	15.3	15.7	16.0	16.3	16.6
20.2	13.5	13.8	14.2	14.5	14.9	15.2	15.6	15.9	16.2	16.5
20.4	13.4	13.7	14.1	14.4	14.8	15.1	15.4	15.8	16.1	16.4
20.6	13.2	13.6	13.9	14.3	14.6	15.0	15.3	15.7	16.0	16.3
20.8	13.1	13.5	13.8	14.2	14.5	14.9	15.2	15.5	15.9	16.2
21.0	13.0	13.3	13.7	14.1	14.4	14.7	15.1	15.4	15.8	16.1
21.2	12.8	13.2	13.6	13.9	14.3	14.6	15.0	15.3	15.7	16.0
21.4	12.7	13.1	13.4	13.8	14.2	14.5	14.9	15.2	15.5	15.9
21.6	12.6	12.9	13.3	13.7	14.0	14.4	14.7	15.1	15.4	15.8
21.8	12.4	12.8	13.2	13.5	13.9	14.3	14.6	15.0	15.3	15.7

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8
16.0	100									
16.2	98	100								
16.4	96	98	100							
16.6	94	96	98	100						
16.8	92	94	96	98	100					
17.0	91	92	94	96	98	100				
17.2	89	91	92	94	96	98	100			
17.4	87	89	91	92	94	96	98	100		
17.6	85	87	89	91	92	94	96	98	100	
17.8	84	85	87	89	91	93	94	96	98	100
18.0	82	84	85	87	89	91	93	94	96	98
18.2	80	82	84	85	87	89	91	93	94	96
18.4	79	80	82	84	86	87	89	91	93	94
18.6	77	79	80	82	84	86	87	89	91	93
18.8	75	77	79	80	82	84	86	87	89	91
19.0	74	76	77	79	81	82	84	86	87	89
19.2	72	74	76	77	79	81	82	84	86	88
19.4	71	73	74	76	77	79	81	82	84	86
19.6	70	71	73	74	76	78	79	81	83	84
19.8	68	70	71	73	74	76	78	79	81	83
20.0	67	68	70	71	73	75	76	78	79	81
20.2	65	67	68	70	72	73	75	76	78	80
20.4	64	66	67	69	70	72	73	75	76	78
20.6	63	64	66	67	69	70	72	73	75	77
20.8	61	63	64	66	67	69	70	72	73	75
21.0	60	62	63	65	66	68	69	71	72	74
21.2	59	60	62	63	65	66	68	69	71	72
21.4	58	59	60	62	63	65	66	68	69	71
21.6	56	58	59	61	62	64	65	66	68	69
21.8	55	57	58	59	61	62	64	65	67	68

Table for use when Wet Bulb is covered with water

Wet Bulb : 16.0 to 17.8
Dry Bulb : 22.0 to 27.8

		<u>Dew Point °C</u>										<u>Relative Humidity (%)</u>										(800 mb)										
Dry Bulb °C	16.0	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C										16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8
		16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8		16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8										
22.0	12.3	12.7	13.0	13.4	13.8	14.1	14.5	14.8	15.2	15.5	22.0	54	55	57	58	60	61	62	64	65	67	22.2	53	54	56	57	58	60	61	63	64	66
22.2	12.2	12.5	12.9	13.3	13.7	14.0	14.4	14.7	15.1	15.4	22.2	52	53	55	56	57	59	60	61	63	64	22.4	51	52	53	55	56	57	59	60	62	64
22.4	12.0	12.4	12.8	13.2	13.5	13.9	14.3	14.6	15.0	15.3	22.4	50	51	52	54	55	56	57	58	59	60	22.6	49	50	51	53	54	55	56	58	59	61
22.6	11.9	12.3	12.7	13.0	13.4	13.8	14.1	14.5	14.8	15.2	22.6	48	49	50	51	53	54	55	56	58	59	22.8	47	48	49	50	52	53	54	56	57	59
22.8	11.7	12.1	12.5	12.9	13.3	13.6	14.0	14.4	14.7	15.1	22.8	46	47	48	49	50	51	52	53	54	56	23.0	45	46	47	48	50	51	52	53	55	56
23.0	11.6	12.0	12.4	12.8	13.1	13.5	13.9	14.2	14.6	15.0	23.0	44	45	46	47	49	50	51	52	54	55	23.2	43	44	45	46	48	49	50	51	52	54
23.2	11.4	11.8	12.2	12.6	13.0	13.4	13.8	14.1	14.5	14.8	23.2	42	43	44	45	47	48	49	50	52	53	23.4	41	42	43	44	46	47	48	49	51	52
23.4	11.3	11.7	12.1	12.5	12.9	13.3	13.6	14.0	14.4	14.7	23.4	40	41	42	43	45	46	47	48	49	50	23.6	39	40	41	42	44	45	46	47	48	50
23.6	11.2	11.6	12.0	12.3	12.7	13.1	13.5	13.9	14.2	14.6	23.6	38	39	40	41	42	43	44	45	46	47	23.8	37	38	39	40	42	43	44	45	46	48
23.8	11.0	11.4	11.8	12.2	12.6	13.0	13.4	13.7	14.1	14.5	23.8	36	37	38	39	40	41	42	43	44	45	24.0	35	36	37	38	39	40	41	42	43	45
24.0	10.9	11.3	11.7	12.1	12.5	12.9	13.2	13.6	14.0	14.4	24.0	34	35	36	37	38	39	40	41	42	43	24.2	33	34	35	36	37	38	39	40	41	43
24.2	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.9	14.2	24.2	32	33	34	35	36	37	38	39	40	41	24.4	31	32	33	34	35	36	37	38	39	41
24.4	10.6	11.0	11.4	11.8	12.2	12.6	13.0	13.4	13.7	14.1	24.4	30	31	32	33	34	35	36	37	38	39	24.6	29	30	31	32	33	34	35	36	37	39
24.6	10.4	10.8	11.2	11.6	12.1	12.4	12.8	13.2	13.6	14.0	24.6	28	29	30	31	32	33	34	35	36	37	24.8	27	28	29	30	31	32	33	34	35	37
24.8	10.2	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.8	24.8	26	27	28	29	30	31	32	33	34	35	25.0	25	26	27	28	29	30	31	32	33	35
25.0	10.1	10.5	10.9	11.4	11.8	12.2	12.6	13.0	13.3	13.7	25.0	24	25	26	27	28	29	30	31	32	33	25.2	23	24	25	26	27	28	29	30	31	33
25.2	9.9	10.4	10.8	11.2	11.6	12.0	12.4	12.8	13.2	13.6	25.2	22	23	24	25	26	27	28	29	30	31	25.4	21	22	23	24	25	26	27	28	29	31
25.4	9.8	10.2	10.6	11.1	11.5	11.9	12.3	12.7	13.1	13.5	25.4	20	21	22	23	24	25	26	27	28	29	25.6	19	20	21	22	23	24	25	26	27	29
25.6	9.6	10.1	10.5	10.9	11.3	11.8	12.2	12.6	13.0	13.3	25.6	18	19	20	21	22	23	24	25	26	27	25.8	17	18	19	20	21	22	23	24	25	27
25.8	9.5	9.9	10.3	10.8	11.2	11.6	12.0	12.4	12.8	13.2	25.8	16	17	18	19	20	21	22	23	24	25	26.0	15	16	17	18	19	20	21	22	23	25
26.0	9.3	9.7	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.1	26.0	14	15	16	17	18	19	20	21	22	23	26.2	13	14	15	16	17	18	19	20	21	23
26.2	9.1	9.6	10.0	10.5	10.9	11.3	11.7	12.1	12.5	12.9	26.2	12	13	14	15	16	17	18	19	20	21	26.4	11	12	13	14	15	16	17	18	19	21
26.4	9.0	9.4	9.9	10.3	10.7	11.2	11.6	12.0	12.4	12.8	26.4	10	11	12	13	14	15	16	17	18	19	26.6	9	10	11	12	13	14	15	16	17	19
26.6	8.8	9.3	9.7	10.2	10.6	11.0	11.5	11.9	12.3	12.7	26.6	8	9	10	11	12	13	14	15	16	17	26.8	7	8	9	10	11	12	13	14	15	17
26.8	8.6	9.1	9.6	10.0	10.4	10.9	11.3	11.7	12.1	12.5	26.8	6	7	8	9	10	11	12	13	14	15	27.0	5	6	7	8	9	10	11	12	13	15
27.0	8.5	8.9	9.4	9.8	10.3	10.7	11.2	11.6	12.0	12.4	27.0	4	5	6	7	8	9	10	11	12	13	27.2	3	4	5	6	7	8	9	10	11	13
27.2	8.3	8.8	9.2	9.7	10.1	10.6	11.0	11.4	11.9	12.3	27.2	2	3	4	5	6	7	8	9	10	11	27.4	1	2	3	4	5	6	7	8	9	11
27.4	8.1	8.6	9.1	9.5	10.0	10.4	10.9	11.3	11.7	12.1	27.4	0	1	2	3	4	5	6	7	8	9	27.6	-1	0	1	2	3	4	5	6	7	9
27.6	7.9	8.4	8.9	9.4	9.8	10.3	10.7	11.1	11.6	12.0	27.6	-2	-1	0	1	2	3	4	5	6	7	27.8	-3	-2	-1	0	1	2	3	4	5	7
27.8	7.8	8.2	8.7	9.2	9.7	10.1	10.6	11.0	11.4	11.9	27.8	-4	-3	-2	-1	0	1	2	3	4	5	27.8	-5	-4	-3	-2	-1	0	1	2	3	5

Table for use when Wet Bulb is covered with water

Wet Bulb : 16.0 to 17.8

Dry Bulb : 28.0 to 33.8

Dew Point °C

Dry Bulb °C	Wet Bulb °C									
	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8
28.0	7.6	8.1	8.6	9.0	9.5	10.0	10.4	10.8	11.3	11.7
28.2	7.4	7.9	8.4	8.9	9.3	9.8	10.3	10.7	11.1	11.6
28.4	7.2	7.7	8.2	8.7	9.2	9.6	10.1	10.5	11.0	11.4
28.6	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.4	10.8	11.3
28.8	6.8	7.3	7.8	8.4	8.8	9.3	9.8	10.2	10.7	11.1
29.0	6.6	7.2	7.7	8.2	8.7	9.2	9.6	10.1	10.5	11.0
29.2	6.4	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.4	10.8
29.4	6.2	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.2	10.7
29.6	6.0	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.5
29.8	5.8	6.4	6.9	7.5	8.0	8.5	9.0	9.4	9.9	10.4
30.0	5.6	6.2	6.7	7.3	7.8	8.3	8.8	9.3	9.8	10.2
30.2	5.4	6.0	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1
30.4	5.2	5.8	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.9
30.6	5.0	5.6	6.2	6.7	7.2	7.8	8.3	8.8	9.3	9.7
30.8	4.8	5.4	6.0	6.5	7.1	7.6	8.1	8.6	9.1	9.6
31.0	4.6	5.2	5.8	6.3	6.9	7.4	7.9	8.4	8.9	9.4
31.2	4.4	5.0	5.6	6.1	6.7	7.2	7.7	8.3	8.8	9.3
31.4	4.1	4.8	5.4	5.9	6.5	7.0	7.6	8.1	8.6	9.1
31.6	3.9	4.5	5.1	5.7	6.3	6.8	7.4	7.9	8.4	8.9
31.8	3.7	4.3	4.9	5.5	6.1	6.7	7.2	7.7	8.2	8.8
32.0	3.5	4.1	4.7	5.3	5.9	6.5	7.0	7.5	8.1	8.6
32.2	3.2	3.9	4.5	5.1	5.7	6.3	6.8	7.4	7.9	8.4
32.4	3.0	3.6	4.3	4.9	5.5	6.1	6.6	7.2	7.7	8.2
32.6	2.7	3.4	4.1	4.7	5.3	5.9	6.4	7.0	7.5	8.1
32.8	2.5	3.2	3.8	4.5	5.1	5.7	6.2	6.8	7.4	7.9
33.0	2.2	2.9	3.6	4.2	4.9	5.5	6.0	6.6	7.2	7.7
33.2	2.0	2.7	3.4	4.0	4.6	5.3	5.8	6.4	7.0	7.5
33.4	1.7	2.4	3.1	3.8	4.4	5.0	5.6	6.2	6.8	7.3
33.6	1.5	2.2	2.9	3.6	4.2	4.8	5.4	6.0	6.6	7.2
33.8	1.2	1.9	2.6	3.3	4.0	4.6	5.2	5.8	6.4	7.0

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C									
	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8
28.0	28	29	29	30	31	32	33	34	35	36
28.2	27	28	29	30	31	32	33	34	35	36
28.4	26	27	28	29	30	31	32	33	34	35
28.6	26	27	27	28	29	30	31	32	33	34
28.8	25	26	27	28	29	30	31	32	33	33
29.0	24	25	26	27	28	29	30	31	32	33
29.2	24	25	26	27	28	29	30	31	32	32
29.4	23	24	25	26	27	28	29	30	30	31
29.6	23	24	24	25	26	27	28	29	30	31
29.8	22	23	24	25	26	26	27	28	29	30
30.0	22	22	23	24	25	26	27	28	28	29
30.2	21	22	23	24	24	25	26	27	28	29
30.4	20	21	22	23	24	25	26	26	27	28
30.6	20	21	22	22	23	24	25	26	27	28
30.8	19	20	21	22	23	24	24	25	26	27
31.0	19	20	20	21	22	23	24	25	25	26
31.2	18	19	20	21	22	22	23	24	25	26
31.4	18	19	19	20	21	22	23	24	24	25
31.6	17	18	19	20	21	21	22	23	24	25
31.8	17	18	18	19	20	21	22	23	24	24
32.0	16	17	18	19	20	20	21	22	23	24
32.2	16	17	18	18	19	19	20	21	22	23
32.4	16	16	17	18	19	19	20	21	22	22
32.6	15	16	17	17	18	18	19	20	20	21
32.8	15	15	16	17	18	18	19	20	21	21
33.0	14	15	16	16	17	17	18	19	19	21
33.2	14	15	15	16	17	17	18	19	20	20
33.4	13	14	15	16	16	17	18	18	19	20
33.6	13	14	14	15	16	17	17	18	19	19
33.8	13	13	14	14	15	15	16	17	18	19

Table for use when Wet Bulb is covered with water

Wet Bulb : 16.0 to 17.8
Dry Bulb : 34.0 to 40.0

Dry Bulb °C	Dew Point °C									
	Wet Bulb °C									
16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	
34.0	0.9	1.7	2.4	3.1	3.8	4.4	5.0	5.6	6.2	6.8
34.2	0.7	1.4	2.1	2.8	3.5	4.2	4.8	5.4	6.0	6.6
34.4	0.4	1.1	1.9	2.6	3.3	3.9	4.6	5.2	5.8	6.4
34.6	0.1	0.9	1.6	2.3	3.0	3.7	4.4	5.0	5.6	6.2
34.8	-0.2	0.6	1.4	2.1	2.8	3.5	4.1	4.8	5.4	6.0
35.0	-0.4	0.3	1.1	1.8	2.6	3.2	3.9	4.6	5.2	5.8
35.2	-0.7	0.0	0.8	1.6	2.3	3.0	3.7	4.3	5.0	5.6
35.4	-1.0	-0.2	0.5	1.3	2.0	2.8	3.4	4.1	4.8	5.4
35.6	-1.3	-0.5	0.3	1.0	1.8	2.5	3.2	3.9	4.5	5.2
35.8	-1.5	-0.8	0.0	0.8	1.5	2.3	3.0	3.7	4.3	5.0
36.0	-1.8	-1.0	-0.3	0.5	1.3	2.0	2.7	3.4	4.1	4.7
36.2	-2.1	-1.3	-0.6	0.2	1.0	1.8	2.5	3.2	3.9	4.5
36.4	-2.4	-1.6	-0.8	-0.1	0.7	1.5	2.2	2.9	3.6	4.3
36.6	-2.8	-1.9	-1.1	-0.3	0.4	1.2	2.0	2.7	3.4	4.1
36.8	-3.1	-2.2	-1.4	-0.6	0.2	1.0	1.7	2.5	3.2	3.9
37.0	-3.4	-2.5	-1.7	-0.9	-0.1	0.7	1.5	2.2	2.9	3.6
37.2	-3.7	-2.8	-2.0	-1.2	-0.4	0.4	1.2	2.0	2.7	3.4
37.4	-4.1	-3.1	-2.3	-1.4	-0.7	0.1	0.9	1.7	2.4	3.2
37.6	-4.4	-3.5	-2.6	-1.7	-0.9	-0.2	0.6	1.4	2.2	2.9
37.8	-4.8	-3.8	-2.9	-2.0	-1.2	-0.4	0.4	1.2	1.9	2.7
38.0	-5.2	-4.2	-3.2	-2.3	-1.5	-0.7	0.1	0.9	1.7	2.4
38.2	-5.6	-4.5	-3.6	-2.6	-1.8	-1.0	-0.2	0.6	1.4	2.2
38.4	-6.0	-4.9	-3.9	-3.0	-2.1	-1.2	-0.5	0.3	1.1	1.9
38.6	-6.4	-5.3	-4.2	-3.3	-2.4	-1.5	-0.7	0.0	0.9	1.7
38.8	-6.8	-5.7	-4.6	-3.6	-2.7	-1.8	-1.0	-0.2	0.6	1.4
39.0	-7.2	-6.1	-5.0	-4.0	-3.0	-2.1	-1.3	-0.5	0.3	1.1
39.2	-7.7	-6.5	-5.4	-4.3	-3.3	-2.4	-1.6	-0.8	0.0	0.8
39.4	-8.2	-6.9	-5.7	-4.7	-3.7	-2.7	-1.9	-1.0	-0.2	0.6
39.6	-8.7	-7.4	-6.2	-5.0	-4.0	-3.1	-2.2	-1.3	-0.5	0.3
39.8	-9.2	-7.8	-6.6	-5.4	-4.4	-3.4	-2.5	-1.6	-0.8	0.0
40.0	-9.7	-8.3	-7.0	-5.8	-4.7	-3.7	-2.8	-1.9	-1.1	-0.3

Dry Bulb °C	Relative Humidity (%)										(800 mb)			
	Wet Bulb °C													
16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	16	17	18	19	
34.0	12	13	14	14	15	16	16	17	18	19				
34.2	12	13	13	14	15	15	16	17	18					
34.4	12	12	13	14	14	15	16	16	17	18				
34.6	11	12	13	13	14	15	15	16	17	17				
34.8	11	11	12	13	13	14	15	15	16	17				
35.0	10	11	12	12	13	14	14	15	15	16				
35.2	10	11	11	12	13	13	14	14	15	16				
35.4	10	10	11	12	12	13	14	14	15	16				
35.6	9	10	11	11	12	13	13	14	14	15				
35.8	9	10	10	11	12	12	13	14	14	15				
36.0	9	9	10	11	11	12	13	13	14	14				
36.2	9	9	10	10	11	12	12	13	13	14				
36.4	8	9	9	10	11	11	12	12	13	14				
36.6	8	9	9	10	10	11	11	11	12	13				
36.8	8	8	9	9	10	11	11	11	12	13				
37.0	7	8	8	9	10	10	11	11	12	13				
37.2	7	8	8	9	9	10	11	11	12	12				
37.4	7	7	8	8	9	9	10	10	11	11				
37.6	7	7	8	8	9	9	9	10	10	11				
37.8	6	7	7	8	8	8	9	9	10	10				
38.0	6	7	7	8	8	8	9	9	10	10				
38.2	6	6	7	7	8	8	8	9	9	10				
38.4	5	6	7	7	8	8	8	9	9	10				
38.6	5	6	6	7	7	8	8	8	9	10				
38.8	5	5	6	7	7	8	8	9	9	10				
39.0	5	5	6	6	7	7	8	8	9	10				
39.2	5	5	6	6	7	7	8	8	9	10				
39.4	4	5	5	6	6	7	7	8	8	9				
39.6	4	4	5	5	6	6	7	7	8	9				
39.8	4	4	5	5	6	6	7	7	8	9				
40.0	4	4	5	5	6	6	7	7	8	9				

Table for use when Wet Bulb is covered with ice

Wet Bulb : 18.0 to 20.0

Dry Bulb : 18.0 to 22.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C											
	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8		18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	
18.0	18.0										18.0	100											
18.2	17.9	18.2									18.2	98	100										
18.4	17.8	18.1	18.4								18.4	96	98	100									
18.6	17.7	18.0	18.3	18.6							18.6	94	96	98	100								
18.8	17.6	17.9	18.2	18.5	18.8						18.8	93	95	96	98	100							
19.0	17.5	17.8	18.1	18.4	18.7	19.0					19.0	91	93	95	96	98	100						
19.2	17.4	17.7	18.0	18.3	18.6	18.9	19.2				19.2	89	91	93	95	96	98	100					
19.4	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4			19.4	88	89	91	93	95	96	98	100				
19.6	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6		19.6	86	88	89	91	93	95	96	98	100			
19.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	19.8	84	86	88	89	91	93	95	96	98	100		
20.0	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.0	83	84	86	88	89	91	93	95	96	98	100
20.2	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.2	81	83	84	86	88	89	91	93	95	96	98
20.4	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.4	80	81	83	85	86	88	90	91	93	95	96
20.6	16.6	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.6	78	80	81	83	85	86	88	90	91	93	95
20.8	16.5	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	20.8	77	78	80	81	83	85	86	88	90	91	93
21.0	16.4	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	21.0	75	77	78	80	82	83	85	86	88	90	91
21.2	16.3	16.6	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	21.2	74	75	77	78	80	82	83	85	86	88	90
21.4	16.2	16.5	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.4	21.4	72	74	75	77	79	80	82	83	85	86	88
21.6	16.1	16.4	16.8	17.1	17.4	17.7	18.0	18.3	18.6	19.0	19.3	21.6	71	72	74	75	77	79	80	82	83	85	87
21.8	16.0	16.3	16.6	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.2	21.8	70	71	73	74	76	77	79	80	82	83	85
22.0	15.9	16.2	16.5	16.9	17.2	17.5	17.8	18.1	18.5	18.8	19.1	22.0	68	70	71	73	74	76	77	79	80	82	85
22.2	15.8	16.1	16.4	16.8	17.1	17.4	17.7	18.0	18.4	18.7	19.0	22.2	67	68	70	71	73	74	76	77	79	80	82
22.4	15.6	16.0	16.3	16.7	17.0	17.3	17.6	17.9	18.3	18.6	18.9	22.4	66	67	69	70	71	73	74	76	77	79	81
22.6	15.5	15.9	16.2	16.5	16.9	17.2	17.5	17.8	18.2	18.5	18.8	22.6	64	66	67	69	70	72	73	75	76	78	79
22.8	15.4	15.8	16.1	16.4	16.8	17.1	17.4	17.7	18.1	18.4	18.7	22.8	63	65	66	67	69	70	72	73	75	76	78

Table for use when Wet Bulb is covered with ice

Wet Bulb : 18.0 to 20.0

Dry Bulb : 23.0 to 28.8

Dew Point °C										Relative Humidity (%)										(800 mb)							
Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C															
	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.0	20.0	20.0	20.0	
23.0	15.3	15.6	16.0	16.3	16.7	17.0	17.3	17.6	18.0	18.3	18.6	23.0	62	63	65	66	68	69	70	72	73	75	76	76	76	76	76
23.2	15.2	15.5	15.9	16.2	16.6	16.9	17.2	17.5	17.9	18.2	18.5	23.2	61	62	63	65	66	68	69	71	72	73	75	75	75	75	75
23.4	15.1	15.4	15.8	16.1	16.4	16.8	17.1	17.4	17.8	18.1	18.4	23.4	60	61	62	64	65	66	68	69	71	72	74	74	74	74	74
23.6	15.0	15.3	15.7	16.0	16.3	16.7	17.0	17.3	17.7	18.0	18.3	23.6	58	60	61	62	64	65	67	68	69	71	71	72	72	72	72
23.8	14.8	15.2	15.5	15.9	16.2	16.6	16.9	17.2	17.6	17.9	18.2	23.8	57	59	60	61	63	64	65	67	68	70	70	71	71	71	71
24.0	14.7	15.1	15.4	15.8	16.1	16.5	16.8	17.1	17.5	17.8	18.1	24.0	56	57	59	60	61	63	64	65	67	68	70	70	71	71	71
24.2	14.6	15.0	15.3	15.7	16.0	16.3	16.7	17.0	17.3	17.7	18.0	24.2	55	56	58	59	60	62	63	64	66	67	68	68	68	68	68
24.4	14.5	14.8	15.2	15.5	15.9	16.2	16.6	16.9	17.2	17.6	17.9	24.4	54	55	57	58	59	60	62	63	64	66	67	67	67	67	67
24.6	14.3	14.7	15.1	15.4	15.8	16.1	16.5	16.8	17.1	17.5	17.8	24.6	53	54	55	57	58	59	61	62	63	65	66	66	66	66	66
24.8	14.2	14.6	15.0	15.3	15.7	16.0	16.4	16.7	17.0	17.4	17.7	24.8	52	53	54	56	57	58	59	61	62	63	65	65	65	65	65
25.0	14.1	14.5	14.8	15.2	15.6	15.9	16.2	16.6	16.9	17.3	17.6	25.0	51	52	53	55	56	57	58	60	61	62	64	64	64	64	64
25.2	14.0	14.3	14.7	15.1	15.4	15.8	16.1	16.5	16.8	17.2	17.5	25.2	50	51	52	53	55	56	57	59	60	61	62	62	62	62	62
25.4	13.8	14.2	14.6	15.0	15.3	15.7	16.0	16.4	16.7	17.1	17.4	25.4	49	50	51	52	54	55	56	57	59	60	61	61	61	61	61
25.6	13.7	14.1	14.5	14.8	15.2	15.6	15.9	16.3	16.6	16.9	17.3	25.6	48	49	50	51	53	54	55	56	57	58	59	60	60	60	60
25.8	13.6	14.0	14.3	14.7	15.1	15.4	15.8	16.2	16.5	16.8	17.2	25.8	47	48	49	50	51	52	53	54	55	56	57	58	59	59	59
26.0	13.5	13.8	14.2	14.6	15.0	15.3	15.7	16.0	16.4	16.7	17.1	26.0	46	47	48	49	51	52	53	54	55	56	57	58	59	59	59
26.2	13.3	13.7	14.1	14.5	14.8	15.2	15.6	15.9	16.3	16.6	17.0	26.2	45	46	47	49	50	51	52	53	54	55	56	57	58	58	58
26.4	13.2	13.6	14.0	14.4	14.7	15.1	15.5	15.8	16.2	16.5	16.9	26.4	44	45	46	48	49	50	51	52	53	55	56	56	56	56	56
26.6	13.1	13.5	13.8	14.2	14.6	15.0	15.3	15.7	16.1	16.4	16.8	26.6	43	44	45	47	48	49	50	51	52	53	54	55	55	55	55
26.8	12.9	13.3	13.7	14.1	14.5	14.9	15.2	15.6	15.9	16.3	16.7	26.8	42	43	44	45	46	47	48	49	50	51	52	53	53	53	53
27.0	12.8	13.2	13.6	14.0	14.4	14.7	15.1	15.5	15.8	16.2	16.5	27.0	42	43	44	45	46	47	48	49	50	51	52	52	52	52	52
27.2	12.7	13.1	13.5	13.9	14.2	14.6	15.0	15.4	15.7	16.1	16.4	27.2	41	42	43	44	45	46	47	48	49	50	51	51	51	51	51
27.4	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.2	15.6	16.0	16.3	27.4	40	41	42	43	44	45	46	47	48	49	50	50	50	50	50
27.6	12.4	12.8	13.2	13.6	14.0	14.4	14.7	15.1	15.5	15.8	16.2	27.6	39	40	41	42	43	44	45	46	47	48	49	50	50	50	50
27.8	12.3	12.7	13.1	13.5	13.9	14.2	14.6	15.0	15.4	15.7	16.1	27.8	38	39	40	41	42	43	44	45	46	47	48	49	49	49	49
28.0	12.1	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.6	16.0	28.0	37	38	40	41	42	43	44	45	46	47	48	48	48	48	48
28.2	12.0	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.1	15.5	15.9	28.2	37	38	39	40	41	42	43	44	45	46	47	47	47	47	47
28.4	11.8	12.3	12.7	13.1	13.5	13.9	14.3	14.6	15.0	15.4	15.8	28.4	36	37	38	39	40	41	42	43	44	45	46	46	46	46	46
28.6	11.7	12.1	12.5	12.9	13.4	13.7	14.1	14.5	14.9	15.3	15.6	28.6	35	36	37	38	39	40	41	42	43	44	45	45	45	45	45
28.8	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.2	15.5	28.8	34	35	36	37	38	39	40	41	42	43	44	44	44	44	44

Table for use when Wet Bulb is covered with ice

Wet Bulb : 18.0 to 20.0

Dry Bulb : 29.0 to 34.8

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C											
	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8		18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	
29.0	11.4	11.8	12.3	12.7	13.1	13.5	13.9	14.3	14.7	15.0	15.4	29.0	34	35	36	37	38	39	40	41	42	43	44
29.2	11.3	11.7	12.1	12.5	13.0	13.4	13.8	14.2	14.5	14.9	15.3	29.2	33	34	35	36	37	38	39	40	41	42	43
29.4	11.1	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.2	29.4	32	33	34	35	36	37	38	39	40	41	42
29.6	11.0	11.4	11.8	12.3	12.7	13.1	13.5	13.9	14.3	14.7	15.1	29.6	32	33	34	35	36	37	38	39	40	41	42
29.8	10.8	11.3	11.7	12.1	12.6	13.0	13.4	13.8	14.2	14.6	14.9	29.8	31	32	33	34	35	36	37	38	39	40	41
30.0	10.7	11.1	11.6	12.0	12.4	12.8	13.2	13.6	14.0	14.4	14.8	30.0	30	31	32	33	34	35	36	37	38	39	40
30.2	10.5	11.0	11.4	11.9	12.3	12.7	13.1	13.5	13.9	14.3	14.7	30.2	30	31	32	33	34	35	36	37	38	39	40
30.4	10.4	10.8	11.3	11.7	12.1	12.6	13.0	13.4	13.8	14.2	14.6	30.4	29	30	31	32	33	34	35	36	37	38	39
30.6	10.2	10.7	11.1	11.6	12.0	12.4	12.8	13.3	13.7	14.1	14.5	30.6	28	29	30	31	32	33	34	35	36	37	38
30.8	10.1	10.5	11.0	11.4	11.9	12.3	12.7	13.1	13.5	13.9	14.3	30.8	28	29	30	31	32	33	34	35	36	37	38
31.0	9.9	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.4	13.8	14.2	31.0	27	28	29	30	31	32	33	34	35	36	37
31.2	9.7	10.2	10.7	11.1	11.6	12.0	12.4	12.9	13.3	13.7	14.1	31.2	27	27	28	29	30	31	32	33	34	35	36
31.4	9.6	10.1	10.5	11.0	11.4	11.9	12.3	12.7	13.2	13.6	14.0	31.4	26	27	28	29	29	30	31	32	33	34	35
31.6	9.4	9.9	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.4	13.8	31.6	25	26	27	28	29	30	31	32	33	34	35
31.8	9.2	9.7	10.2	10.7	11.1	11.6	12.0	12.5	12.9	13.3	13.7	31.8	25	26	27	27	28	29	30	31	32	33	34
32.0	9.1	9.6	10.1	10.5	11.0	11.4	11.9	12.3	12.8	13.2	13.6	32.0	24	25	26	27	28	29	30	31	32	33	34
32.2	8.9	9.4	9.9	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.5	32.2	24	25	25	26	27	28	29	30	31	32	33
32.4	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.0	12.5	12.9	13.3	32.4	23	24	25	26	26	27	28	29	30	31	32
32.6	8.6	9.1	9.6	10.1	10.5	11.0	11.4	11.9	12.3	12.8	13.2	32.6	23	24	24	25	26	27	28	29	30	31	31
32.8	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.8	12.2	12.6	13.1	32.8	22	23	24	25	25	26	27	28	29	29	30
33.0	8.2	8.7	9.2	9.7	10.2	10.7	11.2	11.6	12.1	12.5	12.9	33.0	22	22	23	24	25	26	27	28	29	30	30
33.2	8.1	8.6	9.1	9.6	10.1	10.5	11.0	11.5	11.9	12.4	12.8	33.2	21	22	23	23	24	25	26	27	27	28	29
33.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.3	11.8	12.2	12.7	33.4	21	21	22	23	24	25	25	26	27	28	29
33.6	7.7	8.2	8.7	9.3	9.7	10.2	10.7	11.2	11.6	12.1	12.5	33.6	20	21	22	22	23	24	25	25	26	27	28
33.8	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.0	11.5	11.9	12.4	33.8	20	20	21	22	23	24	25	26	26	27	28
34.0	7.3	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.3	11.8	12.2	34.0	19	20	21	21	22	23	23	24	25	26	27
34.2	7.1	7.7	8.2	8.8	9.3	9.8	10.2	10.7	11.2	11.7	12.1	34.2	19	20	20	21	22	23	24	25	26	26	26
34.4	7.0	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.0	11.5	12.0	34.4	18	19	20	21	22	23	23	24	25	26	26
34.6	6.8	7.3	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.8	34.6	18	19	19	20	21	22	23	24	25	24	25
34.8	6.6	7.1	7.7	8.2	8.8	9.3	9.8	10.3	10.7	11.2	11.7	34.8	18	18	19	20	20	21	22	23	24	24	25

Table for use when Wet Bulb is covered with ice

Wet Bulb : 18.0 to 20.0
Dry Bulb : 35.0 to 40.0

Dew Point °C

Relative Humidity (%)

(800 mb)

Dry Bulb °C	Wet Bulb °C										Dry Bulb °C	Wet Bulb °C										
	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8		18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0
35.0	6.4	7.0	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	35.0	17	18	18	19	20	21	21	22	23	23	24
35.2	6.2	6.8	7.3	7.9	8.4	8.9	9.5	10.0	10.4	10.9	35.2	17	17	18	19	19	20	21	22	22	23	24
35.4	6.0	6.6	7.1	7.7	8.2	8.8	9.3	9.8	10.3	10.8	35.4	16	17	18	18	19	20	20	21	22	23	23
35.6	5.8	6.4	7.0	7.5	8.1	8.6	9.1	9.6	10.1	10.6	35.6	16	17	17	18	19	19	20	21	21	22	23
35.8	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.5	10.0	10.5	35.8	15	16	17	17	18	19	20	20	21	22	22
36.0	5.4	6.0	6.6	7.2	7.7	8.3	8.8	9.3	9.8	10.3	36.0	15	16	16	17	18	18	19	20	20	21	22
36.2	5.2	5.8	6.4	7.0	7.5	8.1	8.6	9.1	9.7	10.2	36.2	15	15	16	17	17	18	19	19	20	21	21
36.4	4.9	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.5	10.0	36.4	14	15	16	16	17	18	18	19	20	20	21
36.6	4.7	5.4	6.0	6.6	7.2	7.7	8.3	8.8	9.3	9.8	36.6	14	15	15	16	17	17	18	18	19	20	20
36.8	4.5	5.2	5.8	6.4	7.0	7.5	8.1	8.6	9.2	9.7	36.8	14	14	15	15	16	17	17	18	19	19	20
37.0	4.3	4.9	5.6	6.2	6.8	7.4	7.9	8.5	9.0	9.5	37.0	13	14	14	15	16	16	17	18	18	19	20
37.2	4.1	4.7	5.4	6.0	6.6	7.2	7.7	8.3	8.8	9.4	37.2	13	14	14	15	15	16	17	17	18	19	19
37.4	3.8	4.5	5.2	5.8	6.4	7.0	7.6	8.1	8.7	9.2	37.4	13	13	14	14	15	16	16	17	18	18	19
37.6	3.6	4.3	4.9	5.6	6.2	6.8	7.4	7.9	8.5	9.0	37.6	12	13	13	14	15	15	16	16	17	18	18
37.8	3.4	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.3	8.9	37.8	12	12	13	14	14	15	16	16	17	17	18
38.0	3.1	3.8	4.5	5.2	5.8	6.4	7.0	7.6	8.1	8.7	38.0	12	12	13	13	14	15	15	16	16	17	18
38.2	2.9	3.6	4.3	4.9	5.6	6.2	6.8	7.4	8.0	8.5	38.2	11	12	12	13	14	14	15	15	16	17	17
38.4	2.7	3.4	4.1	4.7	5.4	6.0	6.6	7.2	7.8	8.3	38.4	11	12	12	13	13	14	14	15	16	16	17
38.6	2.4	3.1	3.8	4.5	5.2	5.8	6.4	7.0	7.6	8.2	38.6	11	11	12	12	13	14	14	15	15	16	16
38.8	2.2	2.9	3.6	4.3	5.0	5.6	6.2	6.8	7.4	8.0	38.8	10	11	11	12	13	13	14	14	15	16	16
39.0	1.9	2.7	3.4	4.1	4.7	5.4	6.0	6.6	7.2	7.8	39.0	10	11	11	12	13	13	14	14	15	15	16
39.2	1.6	2.4	3.1	3.8	4.5	5.2	5.8	6.4	7.0	7.6	39.2	10	10	11	11	12	13	13	14	14	15	15
39.4	1.4	2.2	2.9	3.6	4.3	5.0	5.6	6.2	6.9	7.4	39.4	9	10	11	11	12	12	13	13	14	14	15
39.6	1.1	1.9	2.7	3.4	4.1	4.8	5.4	6.0	6.7	7.3	39.6	9	10	10	11	11	12	12	13	14	14	15
39.8	0.8	1.6	2.4	3.1	3.9	4.5	5.2	5.8	6.5	7.1	39.8	9	9	10	11	11	12	12	13	13	14	14
40.0	0.6	1.4	2.2	2.9	3.6	4.3	5.0	5.6	6.3	6.9	40.0	9	9	10	11	11	12	12	13	13	14	14

Appendix

SATURATION VAPOUR PRESSURE

The following table of "Saturation Vapour Pressure" covering the range +50°C to -60°C is issued as an Appendix to the "Hygrometric Tables" to facilitate the calculation of the pressure of water vapour present in the air. For the range +50°C to 0°C the table gives the saturation vapour pressure over a plane surface of pure liquid water in millibars. For temperatures below 0°C the table gives the saturation vapour pressure over a plane surface of pure ice. The actual vapour pressure of water in the air is equal to the saturation vapour pressure at its dew point temperature.

$^{\circ}\text{C}$	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0	6.11	6.15	6.20	6.24	6.29	6.33	6.38	6.43	6.47	6.52
1	6.57	6.61	6.66	6.71	6.76	6.81	6.86	6.90	6.95	7.00
2	7.05	7.11	7.16	7.21	7.26	7.31	7.36	7.42	7.47	7.52
3	7.58	7.63	7.68	7.74	7.79	7.85	7.90	7.96	8.02	8.07
4	8.13	8.19	8.24	8.30	8.36	8.42	8.48	8.54	8.60	8.66
5	8.72	8.78	8.84	8.90	8.97	9.03	9.09	9.15	9.22	9.28
6	9.35	9.41	9.48	9.54	9.61	9.67	9.74	9.81	9.88	9.94
7	10.01	10.08	10.15	10.22	10.29	10.36	10.43	10.51	10.58	10.65
8	10.72	10.79	10.87	10.94	11.02	11.09	11.17	11.24	11.32	11.40
9	11.47	11.55	11.63	11.71	11.79	11.87	11.95	12.03	12.11	12.20
10	12.27	12.35	12.44	12.52	12.61	12.69	12.77	12.86	12.95	13.03
11	13.12	13.21	13.29	13.38	13.47	13.56	13.65	13.74	13.83	13.93
12	14.02	14.11	14.20	14.30	14.39	14.49	14.58	14.68	14.77	14.87
13	14.97	15.07	15.17	15.27	15.37	15.47	15.57	15.67	15.77	15.87
14	15.98	16.08	16.19	16.29	16.40	16.50	16.61	16.72	16.83	16.93
15	17.04	17.15	17.26	17.38	17.49	17.60	17.71	17.83	17.94	18.06
16	18.17	18.29	18.41	18.52	18.64	18.76	18.88	19.00	19.12	19.25
17	19.37	19.49	19.61	19.74	19.86	19.99	20.12	20.24	20.37	20.50
18	20.63	20.76	20.89	21.02	21.15	21.29	21.42	21.56	21.69	21.83
19	21.96	22.10	22.24	22.38	22.52	22.66	22.80	22.94	23.09	23.23
20	23.37	23.52	23.66	23.81	23.96	24.11	24.26	24.41	24.56	24.71
21	24.86	25.01	25.17	25.32	25.48	25.63	25.79	25.95	26.11	26.27
22	26.43	2659	26.75	26.92	27.08	27.25	27.41	27.58	27.75	27.92
23	28.09	28.26	28.43	28.60	28.77	28.95	29.12	29.30	29.47	29.65

$^{\circ}\text{C}$	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
24	29.83	30.01	30.19	30.37	30.55	30.74	30.92	31.11	31.29	31.48
25	31.67	31.86	32.05	32.24	32.43	32.63	32.82	33.02	33.21	33.41
26	33.61	33.81	34.01	34.21	34.41	34.61	34.82	35.03	35.23	35.44
27	35.65	35.86	36.07	36.28	36.49	36.71	36.92	37.14	37.36	37.58
28	37.80	38.02	38.24	38.46	38.69	38.91	39.14	39.37	39.59	39.82
29	40.05	40.29	40.52	40.75	40.99	41.23	41.47	41.71	41.95	42.19
30	42.43	42.67	42.92	43.17	43.41	43.66	43.91	44.17	44.42	44.67
31	44.93	45.18	45.44	45.70	45.96	46.22	46.49	46.75	47.02	47.28
32	47.55	47.82	48.09	48.36	48.64	48.91	49.19	49.47	49.75	50.03
33	50.31	50.59	50.87	51.16	51.45	51.74	52.03	52.32	52.61	52.90
34	53.20	53.50	53.80	54.10	54.40	54.70	55.00	55.31	55.62	55.93
35	56.24	56.55	56.86	57.18	57.49	57.81	58.13	58.45	58.77	59.10
36	59.42	59.75	60.08	60.41	60.74	61.07	61.41	61.74	62.08	62.42
37	62.76	63.11	63.45	63.80	64.14	64.49	64.84	65.20	65.55	65.91
38	66.26	66.62	66.99	67.35	67.71	68.08	68.45	68.81	69.19	69.56
39	69.93	70.31	70.69	71.07	71.45	71.83	72.22	72.61	72.99	73.39
40	73.78	74.17	74.57	74.97	75.37	75.77	76.17	76.57	76.98	77.39
41	77.80	78.21	78.63	79.05	79.47	79.89	80.31	80.73	81.16	81.59
42	82.01	82.45	82.88	83.32	83.75	84.19	84.64	85.08	85.53	85.97
43	86.42	86.87	87.33	87.79	88.24	88.70	89.17	89.63	90.09	90.56
44	91.03	91.51	91.98	92.46	92.94	93.42	93.90	94.39	94.87	95.36
45	95.85	96.35	96.85	97.34	97.84	98.35	98.85	99.36	99.87	100.38
46	100.89	101.41	101.93	102.45	102.97	103.50	104.03	104.56	105.09	105.62
47	106.16	106.70	107.24	107.78	108.33	108.88	109.43	109.98	110.54	111.10

<i>°C</i>	<i>0.0</i>	<i>0.1</i>	<i>0.2</i>	<i>0.3</i>	<i>0.4</i>	<i>0.5</i>	<i>0.6</i>	<i>0.7</i>	<i>0.8</i>	<i>0.9</i>
48	111.66	112.22	112.79	113.36	113.93	114.50	115.07	115.65	116.23	116.81
49	117.40	117.99	118.58	119.17	119.77	120.37	120.97	121.57	122.18	122.79
50	123.40	124.01	124.63	125.25	125.87	126.49	127.12	127.75	128.38	129.01
-60	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-59	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-58	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-57	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
-56	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-55	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-54	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
-53	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
-52	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-51	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-50	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
-49	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
-48	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
-47	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05
-46	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
-45	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06
-44	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07
-43	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08
-42	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09
-41	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10
-40	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12
-39	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13
-38	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15
-37	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.16	0.16
-36	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.18	0.18
-35	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.20
-34	0.25	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23
-33	0.28	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.25
-32	0.31	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.28	0.28

<i>°C</i>	<i>0.0</i>	<i>0.1</i>	<i>0.2</i>	<i>0.3</i>	<i>0.4</i>	<i>0.5</i>	<i>0.6</i>	<i>0.7</i>	<i>0.8</i>	<i>0.9</i>
-31	0.34	0.34	0.33	0.33	0.33	0.32	0.32	0.32	0.31	0.31
-30	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35
-29	0.42	0.42	0.41	0.41	0.40	0.40	0.40	0.39	0.39	0.38
-28	0.47	0.46	0.46	0.45	0.45	0.44	0.44	0.43	0.43	0.43
-27	0.52	0.51	0.51	0.50	0.50	0.49	0.49	0.48	0.48	0.47
-26	0.57	0.57	0.56	0.55	0.55	0.54	0.54	0.53	0.53	0.52
-25	0.63	0.63	0.62	0.61	0.61	0.60	0.60	0.59	0.58	0.58
-24	0.70	0.69	0.68	0.68	0.67	0.66	0.66	0.65	0.65	0.64
-23	0.77	0.76	0.76	0.75	0.74	0.73	0.73	0.72	0.71	0.71
-22	0.85	0.84	0.83	0.83	0.82	0.81	0.80	0.79	0.79	0.78
-21	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86
-20	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.96	0.95
-19	1.13	1.12	1.11	1.10	1.09	1.08	1.07	1.06	1.05	1.04
-18	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.17	1.16	1.15
-17	1.37	1.36	1.35	1.33	1.32	1.31	1.30	1.28	1.27	1.26
-16	1.51	1.49	1.48	1.46	1.45	1.44	1.42	1.41	1.40	1.38
-15	1.65	1.64	1.62	1.61	1.59	1.58	1.56	1.55	1.53	1.52
-14	1.81	1.79	1.78	1.76	1.75	1.73	1.71	1.70	1.68	1.67
-13	1.98	1.97	1.95	1.93	1.91	1.89	1.88	1.86	1.84	1.83
-12	2.17	2.15	2.13	2.11	2.09	2.08	2.06	2.04	2.02	2.00
-11	2.38	2.35	2.33	2.31	2.29	2.27	2.25	2.23	2.21	2.19
-10	2.60	2.57	2.55	2.53	2.51	2.48	2.46	2.44	2.42	2.40
-9	2.84	2.81	2.79	2.76	2.74	2.71	2.69	2.67	2.64	2.62
-8	3.10	3.07	3.04	3.02	2.99	2.97	2.94	2.91	2.89	2.86
-7	3.38	3.35	3.32	3.29	3.26	3.24	3.21	3.18	3.15	3.12
-6	3.69	3.65	3.62	3.59	3.56	3.53	3.50	3.47	3.44	3.41
-5	4.01	3.98	3.95	3.91	3.88	3.85	3.81	3.78	3.75	3.72
-4	4.37	4.33	4.30	4.26	4.23	4.19	4.15	4.12	4.08	4.05
-3	4.76	4.72	4.68	4.64	4.60	4.56	4.52	4.49	4.45	4.41
-2	5.17	5.13	5.09	5.05	5.00	4.96	4.92	4.88	4.84	4.80
-1	5.62	5.58	5.53	5.49	5.44	5.39	5.35	5.31	5.26	5.22
-0	6.11	6.06	6.01	5.96	5.91	5.86	5.81	5.76	5.72	5.67

**HYGROMETRIC TABLES
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