

TA No. 454-0-1E
10-63

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU



RELATIVE HUMIDITY
and
DEW POINT TABLE

Pressure 30 Inches of Mercury

For use at elevations between 0 and 500 feet above sea level
(In Alaska use at elevations between 0 and 300 feet above sea level)

Values in the body of the table are relative humidities (in percent) and dew points (in deg. Fahr.), with respect to water, for indicated values of wet and dry bulb temperatures in degrees Fahrenheit.

HOW TO USE THE TABLE

Locate at the top of the column the reading corresponding to the wet bulb temperature. Locate at the left side of the table the reading corresponding to the dry bulb temperature. Follow down the column under the wet bulb temperature, and across from the dry bulb temperature; at the intersection of these two columns will be found the relative humidity (%) in black and the dew point (°F.) in red.

0-500 ASI

WET BULB TEMPERATURES

40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	
-21	-4	+5	12	18	23	27	30	34	36	39	42	44	46	48	50	52	54	56	58	59	61					
61																										
-44	-12	+1	9	15	20	25	29	32	35	38	41	43	45	48	50	52	54	55	57	59	60	62				
62																										
-23	-5	+5	12	18	23	27	31	34	37	39	42	44	46	48	50	52	54	55	57	59	60	61	63			
63																										
-50	-13	0	+9	15	21	25	29	32	35	38	41	43	45	48	50	52	54	55	57	59	60	61	63			
64																										
1	4	8	11	15	19	23	26	30	34	39	43	47	51	56	60	65	70	74	79	84	89	95	100			
2	6	13	18	23	27	31	34	37	40	44	47	49	51	53	55	57	59	60	62	63	65	66	67	68	69	70
3	7	14	19	24	28	31	35	39	44	48	52	56	61	65	70	75	80	85	90	95	100					
4	10	17	23	29	35	40	44	49	53	57	62	66	71	76	80	85	90	95	100							
5	11	18	24	30	36	41	45	49	54	58	62	66	71	76	80	85	90	95	100							
6	12	19	25	31	37	42	46	50	54	58	62	66	71	76	80	85	90	95	100							
7	13	19	25	31	37	42	46	50	54	58	62	66	71	76	80	85	90	95	100							
8	14	20	26	32	38	43	47	51	55	59	63	67	71	76	80	85	90	95	100							
9	15	21	27	33	39	44	48	52	56	60	64	68	72	77	81	86	90	95	100							
10	16	22	28	34	40	45	49	53	57	61	65	69	73	77	82	86	90	95	100							
11	17	23	29	35	40	44	48	52	56	60	64	68	72	77	81	86	90	95	100							
12	18	24	30	36	41	45	49	53	57	61	65	69	73	77	82	86	90	95	100							
13	19	25	31	37	42	46	50	54	58	62	66	70	74	78	82	86	90	95	100							
14	20	26	32	38	43	47	51	55	59	63	67	71	75	79	83	87	91	95	100							
15	21	27	33	39	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100							
16	22	28	34	40	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100							
17	23	29	35	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100							
18	24	30	36	41	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100							
19	25	31	37	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100							
20	26	32	38	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99	100							
21	27	33	39	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100								
22	28	34	40	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100								
23	29	35	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100								
24	30	36	41	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100								
25	31	37	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100								
26	32	38	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99	100								
27	33	39	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100									
28	34	40	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100									
29	35	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100									
30	36	41	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100									
31	37	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100									
32	38	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99	100									
33	39	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100										
34	40	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100										
35	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100										
36	41	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100										
37	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100										
38	43	47	51	55	59	63	67	71	75	79	83	87	91	95	99	100										
39	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100											
40	45	49	53	57	61	65	69	73	77	81	85	89	93	97	100											
41	46	50	54	58	62	66	70	74	78	82	86	90	94	98	100											
42	47	51	55	59	63	67	71	75	79	83	87	91	95	99	100											
43	48	52	56	60	64	68	72	76	80	84	88	92	96	100												
44	49	53	57	61	65	69	73	77	81	85	89	93	97	100												
45	50	54	58	62	66	70	74	78	82	86	90	94	98	100												
46	51	55	59	63	67	71	75	79	83	87	91	95	99	100												
47	52	56	60	64	68	72	76	80	84	88	92	96	100													
48	53	57	61	65	69	73	77	81	85	89	93	97	100													
49	54	58	62	66	70	74	78	82	86	90	94	98	100													
50	55	59	63	67	71	75	79	83	87	91	95	99	100													
51	56	60	64	68	72	76	80	84	88	92	96	100														
52	57	61	65	69	73	77	81	85	89	93	97	100														
53	58	62	66	70	74	78	82	86	90	94	98	100														
54	59	63	67	71	75	79	83	87	91	95	99	100														
55	60	64	68	72	76	80	84	88	92	96	100															
56	61	65	69	73	77	81	85	89	93	97	100															
57	62	66	70	74	78	82	86	90	94	98	100															
58	63	67	71	75	79	83	87	91	95	99	100															
59	64	68	72	76	80	84	88	92	96	100																
60	65	69	73	77	81	85	89	93	97	100																
61	66	70	74	78	82	86	90	94	98	100																
62	67	71	75	79	83	87	91	95	99	100																
63	68	72	76	80	84	88	92	96	100																	
64	69	73	77	81	85	89	93	97	100																	
65	70	74	78	82	86	90	94	98	100																	

DRY BULB TEMPERATURES

81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	10
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