

U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU



**RELATIVE HUMIDITY
and
DEW POINT TABLE**

Pressure 27 Inches of Mercury

For use at elevations between 1,900 and 3,900 feet above sea level
(In Alaska use at elevations between 1,700 and 3,600 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.

WET BULB TEMPERATURES

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

DRY BULB TEMPERATURES

41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60

1900-3900 ASL

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WET BULB TEMPERATURES

1900-3900 ASI

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

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