

U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU



RELATIVE HUMIDITY  
and  
DEW POINT TABLE

Pressure 23 Inches of Mercury

For use at elevations between 6101 and 8500 feet above sea level  
(In Alaska use at elevations between 5701 and 7900 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.





# 6101-8500 ASL

## WET BULB TEMPERATURES

46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85						
-23	-5	+5	12	17	22	26	30	33	36	39	42	44	46	48	50	52	54	56	58	60	61	63	64	66	68	69	70	72	73	75	76	77	78	80	81	82	83	84	85						
-1	3	5	7	9	11	13	16	18	20	22	25	27	30	32	35	37	40	43	45	48	51	54	57	60	64	67	70	74	77	81	84	88	92	96	100										
-40	-11	+1	9	15	20	25	29	32	35	38	41	43	46	48	50	52	54	56	57	59	61	62	64	66	67	69	70	71	73	74	77	78	79	81	82										
1	2	4	6	8	10	12	14	16	19	21	23	25	28	30	33	35	38	41	43	46	49	52	55	58	61	64	67	71	74	77	81	85	88	92	96	100									
83	-19	-3	+6	13	19	23	27	31	34	37	40	42	45	47	49	51	53	55	57	59	60	62	64	65	67	68	70	71	73	74	75	77	78	79	80	82	83								
2	3	5	7	9	11	13	15	17	19	22	24	26	29	31	33	36	38	41	44	47	49	52	55	58	61	64	68	71	74	75	77	78	81	85	88	92	96	100							
84	-31	-8	+3	11	17	22	26	30	33	36	39	42	44	46	49	51	53	55	56	58	60	62	63	65	66	68	69	71	72	74	75	76	78	79	80	82	83	84							
1	3	4	6	8	10	12	14	16	18	20	22	25	27	29	32	34	37	39	42	44	47	50	53	56	59	62	65	68	71	74	78	81	85	89	92	96	100								
85	-15	-1	+4	10	16	20	24	28	32	35	38	41	43	46	48	50	52	54	56	58	60	62	63	64	66	68	69	70	72	73	75	76	77	79	80	81	83	84							
2	4	5	7	9	11	13	15	17	19	21	23	25	28	30	32	35	37	40	42	45	48	51	54	57	60	63	66	69	72	75	78	81	85	89	92	96	100								
86	-25	-6	+5	12	18	23	27	31	34	37	40	42	45	47	49	51	53	55	57	59	61	62	64	66	67	69	70	72	73	74	76	77	78	80	81	82	84	85							
1	3	4	6	8	10	12	14	16	18	20	22	24	26	28	31	33	35	38	40	43	45	48	51	54	56	59	62	65	68	72	75	78	82	85	89	92	96	100							
87	-44	-12	+1	9	16	21	26	29	33	36	39	42	44	46	49	51	53	55	57	59	60	62	64	65	67	68	70	71	73	74	75	77	78	79	81	82	83	85							
2	4	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	36	38	41	44	47	50	53	56	59	62	65	68	71	74	75	77	78	79	81	82	83	84							
88	-20	-3	+7	14	19	24	28	32	35	38	41	43	46	48	50	52	54	56	58	60	62	63	65	66	68	69	71	72	74	75	77	78	79	81	82	83	84								
1	3	5	6	8	10	12	13	15	17	19	21	23	25	27	30	32	34	36	39	41	44	46	49	52	54	57	60	63	66	69	72	75	79	82	85	89									
89	-33	-8	+3	11	17	22	27	30	34	37	40	43	45	47	50	52	54	56	58	59	61	63	64	66	68	69	71	72	73	75	76	78	79	80	82	83	84								
1	2	4	5	7	9	11	12	14	16	18	20	22	24	26	28	30	32	35	37	39	42	44	47	49	52	55	58	60	63	66	69	72	76	79	82	86									
90	-1	2	4	5	7	9	11	12	14	16	18	20	22	24	26	28	30	32	35	37	39	42	44	47	49	52	55	58	60	63	66	69	72	76	79	82	86								
2	3	5	6	8	10	11	13	15	17	19	21	23	25	27	29	31	33	35	38	40	42	45	48	51	54	57	60	63	66	69	72	75	78	81	85	89	92	96	100						
91	-15	-1	+8	15	21	25	29	33	36	39	42	44	47	49	51	53	55	57	59	61	62	64	66	67	69	70	72	73	75	76	77	79	80	81	83	84									
1	2	3	5	6	8	10	11	13	15	17	19	21	22	24	26	28	30	32	35	37	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	85	89	92	96	100					
92	-25	-5	+5	12	19	24	28	32	35	38	41	43	46	48	50	52	54	56	58	60	62	64	65	67	68	70	71	73	74	76	77	78	80	81	82	84	85								
1	2	4	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	36	38	40	43	45	48	51	54	57	60	63	66	69	72	75	78	81	85	89	92	96	100						
93	-44	-11	+2	10	17	22	27	30	34	37	40	43	45	48	50	52	54	56	58	60	62	64	65	67	68	70	71	73	74	75	77	78	79	81	82	83	84								
2	4	5	6	8	10	12	13	15	16	18	20	22	24	26	28	30	32	34	36	39	41	43	46	49	52	54	57	60	63	66	69	72	75	79	82	85	89								
94	-18	-3	+8	14	19	24	28	32	35	38	41	43	46	48	50	52	54	56	58	60	62	63	65	66	68	69	71	72	74	75	77	78	79	81	82	83	84								
1	2	4	5	7	9	11	12	14	16	18	20	22	24	26	28	30	32	35	37	39	42	44	47	49	52	55	58	60	63	66	69	72	76	79	82	86									
95	-31	-7	+4	12	18	23	28	32	35	38	41	44	46	49	51	53	55	57	59	61	62	64	66	67	69	70	72	73	75	76	78	79	80	82	83	84									
1	2	3	5	6	8	9	11	13	14	16	18	20	22	24	26	28	30	32	35	37	39	42	45	48	51	54	57	60	63	66	69	72	75	79	80	81	83	84							
96	-13	+1	10	16	22	26	30	34	37	40	43	45	48	50	52	54	56	58	60	62	64	65	67	69	70	72	73	75	76	77	79	80	81	83	84										
2	3	4	6	7	9	10	12	13	15	17	18	20	22	24	26	28	30	32	34	36	38	40	42	45	47	49	52	54	57	60	63	66	69	72	75	79	80	81	83	84					
97	-22	-3	+7	14	20	25	29	33	36	39	42	45	48	50	52	54	56	58	60	62	64	65	67	68	70	71	73	74	76	77	78	80	81	82	83	84									
1	2	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	43	45	48	51	54	57	60	63	66	69	72	75	79	80	81	82	83	84						
98	-38	-9	+4	12	18	23	28	32	35	38	41	44	46	49	51	53	55	57	59	61	63	64	66	68	69	71	72	74	75	77	78	80	81	82	83	84									
2	3	4	6	7	9	10	12	13	15	16	18	20	22	24	26	28	30	32	34	36	38	40	43	45	48	51	54	57	60	63	66	69	72	75	79	80	81	82	83	84					
99	-16	0	+9	16	22	26	30	34	37	40	43	46	48	50	52	54	56	58	60	62	64	66	67	69	71	72	74	75	77	78	79	81	82	83	84										
1	2	4	5	6	8	9	11	12	14	15	17	19	20	22	24	26	27	29	31	33	35	37	39	41	43	45	48	51	54	57	60	63	66	69	72	75	79	80	81	82	83	84			
100	-26	-5	+6	14	20	25	29	33	36	39	42	45	48	50	52	54	56	58	60	62	64	65	67	69	70	72	73	75	76	78	79	80	82	83	84										
1	2	3	4	6	7	9	10	11	13	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	74	76	78	80		
101	-47	-10	+3	11	18	23	28	32	35	39	42	44	47	49	51	54	56	58	60	62	64	65	67	68	70	71	73	74	76	77	79	80	81	82	83	84									
1	2	3	4	5	7	8	9	11	12	14	15	17	18	20	21	23	25	27	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	78	80
102	-18	-																																											