

U. S. DEPARTMENT OF COMMERCE  
WEATHER BUREAU



**RELATIVE HUMIDITY  
and  
DEW POINT TABLE**

Pressure 29 Inches of Mercury

For use at elevations between 501 and 1900 feet above sea level  
(In Alaska use at elevations between 301 and 1700 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.



# 501-1900 ASI

## WET BULB TEMPERATURES

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

