

RELATIVE HUMIDITY FROM WET AND DRY BULB THERMOMETER (CENTIGRADE SCALE)

This table gives the approximate relative humidity directly from the reading of the air temperature (dry bulb) and the wet bulb. It is computed for a pressure of 74.27 cm Hg. Errors resulting from the use of this table for air temperatures above 10°C and between 77.5 and 71 cm Hg will usually be within the errors of observation. t = dry-bulb temperature T = wet-bulb temperature t-T = wet-bulb depression

Condensed from Bulletin of the U.S. Weather Bureau No. 1071

	t-T																																				
t	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0			
-10	93	87	80	74	67	61	54	48	41	35	28	22	16	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-9	94	88	81	75	69	63	57	51	45	39	33	27	21	15	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-8	94	88	83	77	71	65	60	54	48	43	37	32	26	20	15	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-7	95	89	84	78	73	67	62	57	52	46	41	36	31	25	20	15	10	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-6	95	90	85	79	74	69	64	59	54	49	45	40	35	30	25	20	15	11	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-5	95	90	86	81	76	71	66	62	57	52	48	43	39	34	29	25	20	16	11	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-4	95	91	86	82	77	73	68	64	59	55	51	46	42	38	33	29	25	21	17	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-3	96	91	87	82	78	74	70	66	62	57	53	49	45	41	37	33	29	25	21	17	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-2	96	92	88	84	79	75	71	68	64	60	56	52	48	44	40	37	33	29	25	22	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
-1	96	92	88	84	81	77	73	69	66	62	58	54	51	47	43	40	36	33	29	26	17	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
0	96	93	89	85	81	78	74	71	67	64	60	57	53	50	46	43	40	36	33	29	21	13	5	..	..	..	..	..	..	..	..	..	..	..	..	..
1	97	93	90	86	83	80	76	73	70	66	63	59	56	53	49	46	43	40	36	33	25	17	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	97	93	90	87	84	81	78	74	71	68	65	62	59	55	52	49	46	43	40	37	29	22	14	7	..	..	..	..	..	..	..	..	..	..	..	..	..
3	97	94	91	88	84	82	78	76	72	70	67	64	61	58	55	52	49	46	43	40	33	26	19	12	5	..	..	..	..	..	..	..	..	..	..	..	..
4	97	94	91	88	85	82	79	77	74	71	68	65	62	60	57	54	51	48	46	43	36	29	22	16	9	..	..	..	..	..	..	..	..	..	..	..	..
5	97	94	91	88	86	83	80	77	75	72	69	67	64	61	58	56	53	51	48	45	39	33	26	20	13	7	..	..	..	..	..	..	..	..	..	..	..
6	97	94	92	89	86	84	81	78	76	73	70	68	65	63	60	58	55	53	50	48	41	35	29	24	17	11	5	..	..	..	..	..	..	..	..	..	..
7	97	95	92	89	87	84	82	79	77	74	72	69	67	64	62	59	57	54	52	50	44	38	32	26	21	15	10	..	..	..	..	..	..	..	..	..	..
8	97	95	92	90	87	85	82	80	77	75	73	70	68	65	63	61	58	56	54	51	46	40	35	29	24	19	14	8	..	..	..	..	..	..	..	..	..
9	98	95	93	90	88	85	83	81	78	76	74	71	69	67	64	62	60	58	55	53	48	42	37	32	27	22	17	12	7	..	..	..	..	..	..	..	..
10	98	95	93	90	88	86	83	81	79	77	74	72	70	68	66	63	61	59	57	55	50	44	39	34	29	24	20	15	10	6	..	..	..	..	..	..	..
11	98	95	93	91	89	86	84	82	80	78	75	73	71	69	67	65	62	60	58	56	51	46	41	36	32	27	22	18	13	9	5	..	..	..	..	..	..
12	98	96	93	91	89	87	85	82	80	78	76	74	72	70	68	66	64	62	60	58	53	48	43	39	34	29	25	21	16	12	8	..	..	..	..	..	..
13	98	96	93	91	89	87	85	83	81	79	77	75	73	71	69	67	65	63	61	59	54	50	45	41	36	32	28	23	19	15	11	7	..	..	..	..	..
14	98	96	94	92	90	88	86	84	82	79	78	76	74	72	70	68	66	64	62	60	56	51	47	42	38	34	30	26	22	18	14	10	6	..	..	..	..
15	98	96	94	92	90	88	86	84	82	80	78	76	74	73	71	69	67	65	63	61	57	53	48	44	40	36	32	27	24	20	16	13	9	6	..	..	..
	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	16.0	17.0	18.0	19.0	20.0		
16	95	90	85	81	76	71	67	63	58	54	50	46	42	38	34	30	26	23	19	15	12	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	95	90	86	81	76	72	68	64	60	55	51	47	43	40	36	32	28	25	21	18	14	11	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	95	91	86	82	77	73	69	65	61	57	53	49	45	41	38	34	30	27	23	20	17	14	10	7	..	..	..	..	..	..	..	..	..	..	..	..	..
19	95	91	87	82	78	74	70	65	62	58	54	50	46	43	39	36	32	29	26	22	19	16	13	10	7	..	..	..	..	..	..	..	..	..	..	..	..
20	96	91	87	83	78	74	70	66	63	59	55	51	48	44	41	37	34	31	28	24	21	18	15	12	9	6	..	..	..	..	..	..	..	..	..	..	..
21	96	91	87	83	79	75	71	67	64	60	56	53	49	46	42	39	36	32	29	26	23	20	17	14	12	9	6	..	..	..	..	..	..	..	..	..	..
22	96	92	87	83	80	76	72	68	64	61	57	54	50	47	44	40	37	34	31	28	25	22	19	17	14	11	8	6	..	..	..	..	..	..	..	..	..
23	96	92	88	84	80	76	72	69	65	62	58	55	52	48	45	42	39	36	33	30	27	24	21	19	16	13	11	8	6	..	..	..	..	..	..	..	..
24	96	92	88	84	80	77	73	69	66	62	59	56	53	49	46	43	40	37	34	31	29	26	23	20	18	15	13	10	8	5	..	..	..	..	..	..	..
25	96	92	88	84	81	77	74	70	67	63	60	57	54	50	47	44	41	39	36	33	30	28	25	22	20	17	15	12	10	8	..	..	..	..	..	..	..
26	96	92	88	85	81	78	74	71	67	64	61	58	54	51	49	46	43	40	37	34	32	29	26	24	21	19	17	14	12	10	5	..	..	..	..	..	..
27	96	92	89	85	82	78	75	71	68	65	62	58	56	52	50	47	44	41	38	36	33	31	28	26	23	21	18	16	14	12	7	..	..	..	..	..	..
28	96	93	89	85	82	78	75	72	69	65	62	59	56	53	51	48	45	42	40	37	34	32	29	27	25	22	20	18	16	13	9	5	..	..	..	..	..
29	96	93	89	86	82	79	76	72	69	66	63	60	57	54	52	49	46	43	41	38	36	33	31	28	26	24	22	19	17	15	11	7	..	..	..	..	..
30	96	93	89	86	83	79	76	73	70	67	64	61	58	55	52	50	47	44	42	39	37	35	32	30	28	25	23	21	19	17	13	9	5	..	..	..	..
31	96	93	90	86	83	80	77	73	70	67	64	61	59	56	53	51	48	45	43	40	38	36	33	31	29	27	25	22	20	18	14	11	7	..	..	..	..
32	96	93	90	86	83	80	77	74	71	68	65	62	60	57	54	51	49	46	44	41	39	37	35	32	30	28	26	24	22	20	16	12	9	5	..	..	..
33	97	93	90	87	83	80	77	74	71	68	66	63	60	57	55	52	50	47	45	42	40	38	36	33	31	29	27	25	23	21	17	14	10	7	..	..	..
34	97	93	90	87	84	81	78	75	72	69	66	63	61	58	56	53	51	48	46	43	41																