

**Table of Relative Humidity
Temperature of air, dry-bulb thermometer, Fahrenheit**

Difference between wet-bulb and dry-bulb readings	30°	40°	50°	60°	70°	80°	90°	100°
1	90	92	93	94	95	96	96	97
2	79	84	87	89	90	92	92	93
3	68	76	80	84	86	87	88	90
4	58	68	74	78	81	83	85	86
6	38	52	61	68	72	75	78	80
8	18	37	49	58	64	68	71	71
10		22	37	48	55	61	65	68
12		8	26	39	48	54	59	62
14			16	30	40	47	53	57
16			5	21	33	41	47	51
18				13	26	35	41	47
20				5	19	29	36	42
22					12	23	32	37
24					6	18	26	33

Wind direction	Barometer reduced to sea level	Character of weather indicated
SW. to NW.....	30.10 to 30.20 and steady.....	Fair, with slight temperature changes for 1 to 2 days.
SW. to NW	30.10 to 30.20 and rising rapidly...	Fair, followed within 2 days by rain.
SW. to NW.....	30.20 and above and stationary....	Continued fair, with no decided temperature change.
SW. to NW.....	30.20 and above and falling slowly..	Slowly rising temperature and fair for 2 days.
S. to SE.....	30.10 to 30.20 and falling slowly...	Rain within 24 hours.
S. to SE.....	30.10 to 30.20 and falling rapidly...	Wind increasing in force, with rain within 12 to 24 hours.
SE. to NE.....	30.10 to 30.20 and falling slowing...	Rain in 12 to 18 hours.
SE. to NE.....	30.10 to 30.20 and falling rapidly....	Increasing wind, and rain within 12 hours.
E. to NE.....	30.10 and above and falling slowly..	In summer, with light winds, rain may not fall for several days. In winter, rain within 24 hours.
E. to NE.....	30.10 and above and falling rapidly.....	In summer, rain probable within 12 to 24 hours. In winter, rain or snow, with increasing winds, will often set in when the barometer begins to fall and the wind sets in from the NE.
SE. to NE.....	30.00 or below and falling slowly...	Rain will continue 1 to 2 days.
SE. to NE.....	30.00 or below and falling rapidly..	Rain, with high wind, followed, within 36 hours, by clearing, and in winter by colder.
S. to SW.....	30.00 or below and rising slowly...	Clearing within a few hours, and fair for several days.
S. to E.....	29.80 or below and falling rapidly..	Several storm imminent, followed within 24 hours, by clearing, and in winter by colder.
E. to N.....	29.80 or below and falling rapidly...	Several northeast gale and heavy precipitation; in winter, heavy snow, followed by a cold wave.
Going to W.....	29.80 or below and rising rapidly....	Clearing and colder.

Metric Measurements

The Nation's going metric and one of the leaders in metrication will be the National Weather Service.

Within the next few years, the Weather Service plans to convert all temperature readings to Celsius. Following shortly thereafter will be the conversion of precipitation measurements from inches to millimeters of rain or centimeters of snow.

To be ready for metrication, the weather amateur should become familiar with the following conversions.



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