

weather
measurement

Assignment of a number to a characteristic of an object or event, which can be compared with other objects or events.

anemometer

This device is used to measure wind speed.

barometer

This device is used to measure atmospheric pressure.

hygrometer

An instrument that measures the water vapor content of air or the humidity.

isobar

A line, usually on a weather map, connecting equal points of pressure.

radar

An electronic instrument, which determines the direction and distance of objects that, reflect radio energy back to the radar site. It is used by meteorologists to detect rain or snow.

National Hurricane
Center

National Weather
Service

Nexrad

<p>This issues watches, warnings, forecasts, and analyses of hazardous tropical weather.</p>	<p>The federal agency that provides weather, hydrologic, and climate forecasts and warnings for the United States.</p>	<p>"NEXt generation weather RADar", a nationwide network of 120 Doppler radars being used by National Weather Service meteorologists to detect precipitation, to measure atmospheric motions and to issue warnings of severe weather.</p>
<p><u>rain gauge</u></p>	<p><u>thermometer</u></p>	<p><u>Fujita Scale</u></p>
<p>A device for collecting and measuring the amount of rain that falls.</p>	<p>This device is used to measure heat.</p>	<p>The scale that measures the strength of tornadoes based upon wind speed.</p>
<p><u>ceilometer</u></p>	<p><u>psychrometer</u></p>	<p><u>relative humidity</u></p>
<p>A device that uses a laser or other light source to determine the height of a cloud base.</p>	<p>A hygrometer consisting of a wet-bulb and a dry-bulb thermometer, the difference in the two thermometer readings is used to determine atmospheric humidity.</p>	<p>The ratio of water vapor contained in the air compared to the maximum amount of moisture that the air can hold at that specific temperature and pressure.</p>

Saffir-Simpson Scale

A hurricane intensity scale that relates hurricane damage to wind speeds and central air pressures.

heat index

A number that expresses the warming effect of humidity at different temperatures, based only on air temperature and relative humidity.

Bergeron Classification

System used to classify air masses according to thermal properties: tropical (T), polar (P), and arctic or antarctic (A) and moisture distribution: continental (c) and maritime(m). Further classification according to whether the air is cold (k) or warm (w).

Beaufort Wind Scale

A system of estimating and reporting wind speeds.

Köppen Climate Classification

A system used to classify climates into groups.

wind vane

A device that indicates from which direction the wind is blowing.