### Air temperature and dew point

These two temperatures are used in close combination. The air temperature is the Outside Air Temperature (OAT) on the location. This is already important for the pilot while they need to know if the OAT is low or below zero with reference to carburetor icing.

The relationship between dew point and temperature defines the concept of relative humidity. The dew point, given in degrees, is the temperature at which the air can hold no more moisture. When the temperature of the air is reduced to the dew point, the air is completely saturated and moisture begins to condense out of the air in the form of fog, dew, frost, clouds, rain, hail, or snow.

The closer the OAT is to the Dew point temperature, the more certain is the change that one of these phenomenon’s will occur at low heights.