## Chapter 2.6

## Dew point and wet bulb

## **Dew Point Temperature**

If the temperature of the air reduces until 100% relative humidity occurs, the air is at the DEWPOINT temp.

$$T_{dew \ point} = T_{sat, at \ partial \ pressure}$$

it is the point at which air temperature reaches the saturation temperature corresponding to the partial pressure of water vapour in the air (since absolute humidity,  $\omega$  = constant, p<sub>s</sub> is constant during cooling).

## Humid air case: reaches dew point



https://www.youtube.com/watch?v=725T0DeeZxM



