



Temperature in Relation to Barometric Pressure and Humidity

*Salam Ali
S4 Training July 8-13, 2013*

Barometric Pressure and Temperature

In general, as the pressure decreases, the density decreases and thus there is less energy for a given volume, so the temperature decreases.

Therefore, pressure and temperature are directly proportional.

Relative Humidity and Temperature

- It is crucial to understand that air is capable of holding more water vapor at higher temperatures.

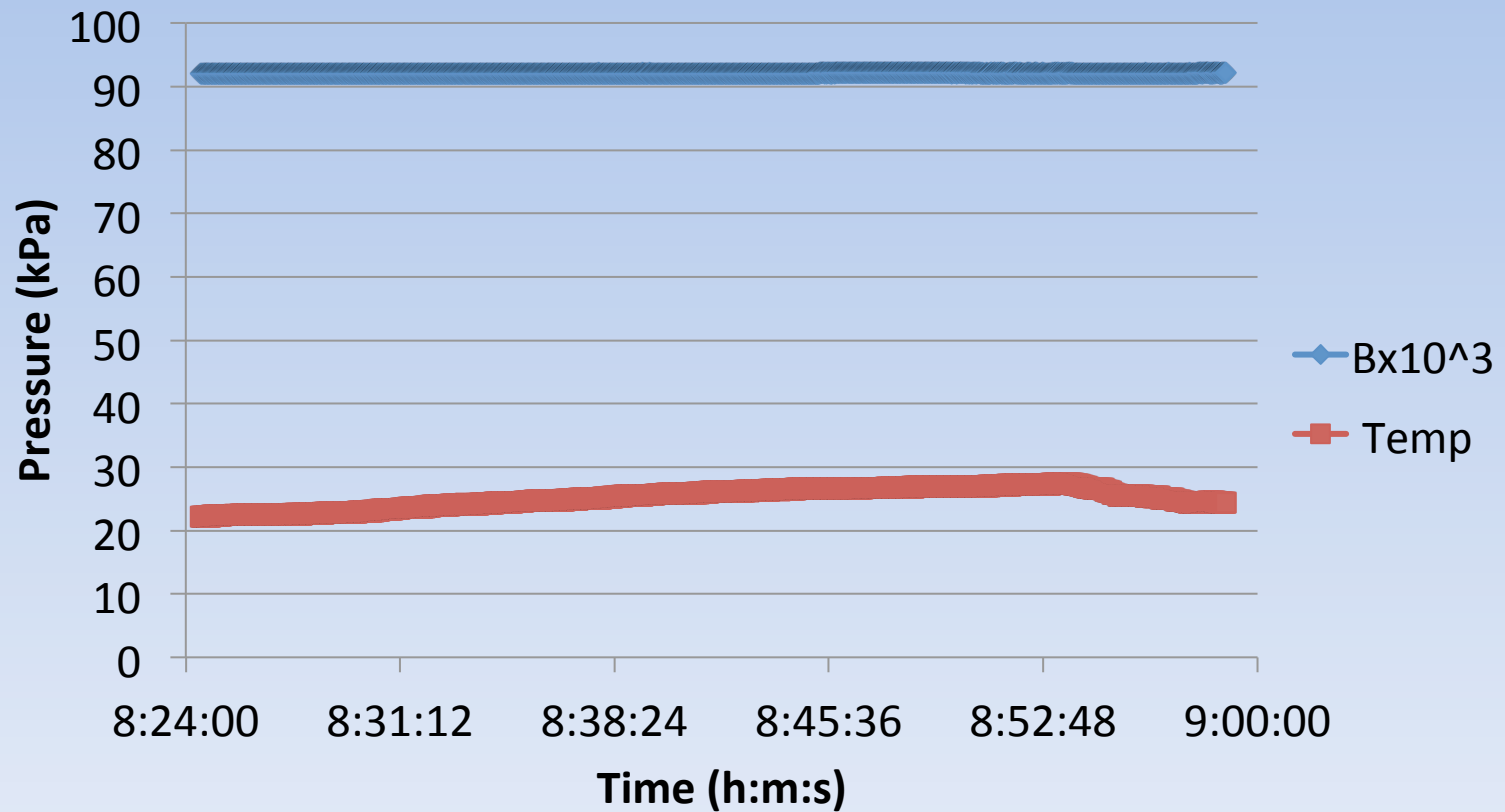
Therefore, the relative humidity **will go down** if the temperature is **raised**, and it **will go up** if the temperature is **lowered**.

The Path



Data Analysis

Pressure vs Temperature



Data Analysis

Humidity vs Temperature

