

Humidity Variables.

- e vapour pressure (kPa) = partial pressure of water vap.
- r mixing ratio (g/kg) = mass water vap. / mass dry air
- q specific humidity (g/kg) = mass water vap. / mass humid air
- ρ_v absolute humidity (kg/m^3) = partial density of water vap.
- RH relative humidity (%) = actual / saturated
- T_d dew-point ($^{\circ}\text{C}$) : Cool air to this T to reach saturation
- z_{LCL} lifting-condensation level (km) = height of convective cloud base
- T_w wet-bulb temperature ($^{\circ}\text{C}$) = evaporatively cooled T