Mini-Lecture

Key thermodynamic variables for the atmosphere are:

- T = temperature in (°C) or (K), where K = °C + 273.15
- P = pressure in (kPa), where 1 kPa = 1000 N/m^2
- ρ = density in (kg/m^3)

Typical values: (T, P, ρ) = 15°C, 100 kPa, 1.2 kg/m^3

Humidity (moisture content):

- r = mixing ratio = ($g_{water\ vapour}$ / $g_{dry\ air}$)

Typical value: r = 0.01 $g_{water\ vapour}$ / $g_{dry\ air}$