Arras meeting

- Skim chapter one
- Equation of state
- Torque that changes spin
    - Gravitational tides in ocean
    - Time dependent thermal tides —> observations in earth's atmosphere
    - Can exite different waves in earth's atmosphere
- Goals"
    - Initialize atmosphere
    - Writing in own function heating the gas
    - For gas in domain —> write short section, change thermal energy of gas based on heat, total volume per time
    - Rotating planet with radiation on one side of planet
    - Star will grab onto densities and grab onto quadruple moments
    - Simlulate spa
    - thermtide.cpp
    - Athinput files —> gm, pressure at base, density at base, rotation rate
- Find heating and cooling
    - User defined physical source term
- Q = energy per volume*time = -Coeff(Temp-backgriyndtemp(r,theta, phi, time)