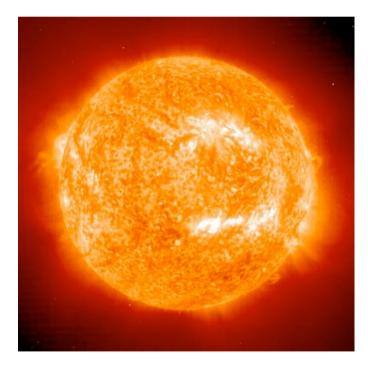
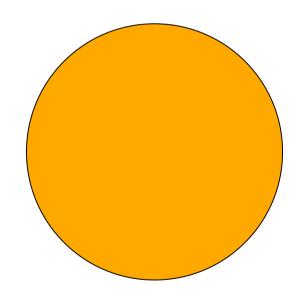
Discussion and questions

Stellar evolution and atmospheres

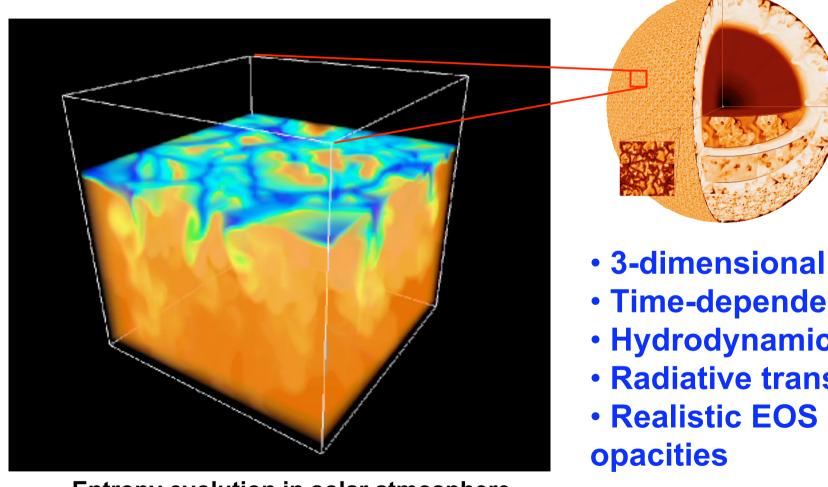
Good approximation?





"You would also look pretty simple at a distance of 10pc" -- R.O. Redman to F. Hoyle

Atmosphere modeling



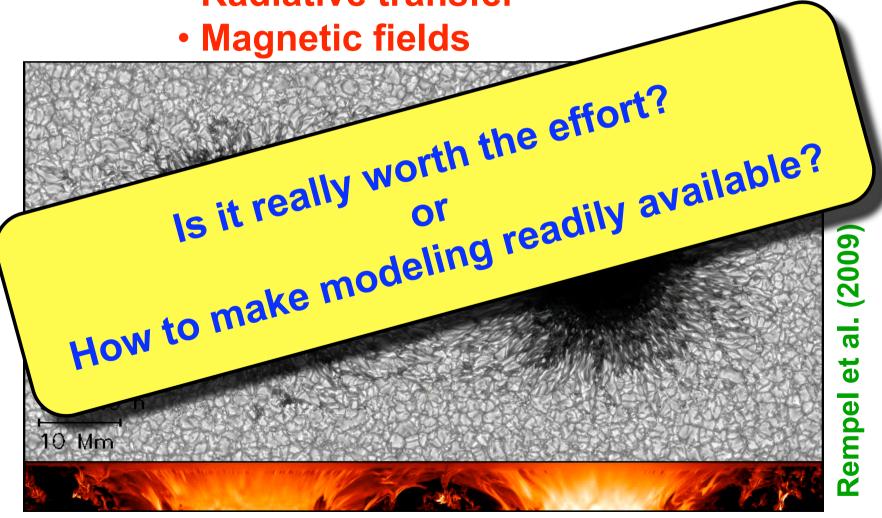
Entropy evolution in solar atmosphere

- Time-dependent
- Hydrodynamical
- Radiative transfer
- Realistic EOS +

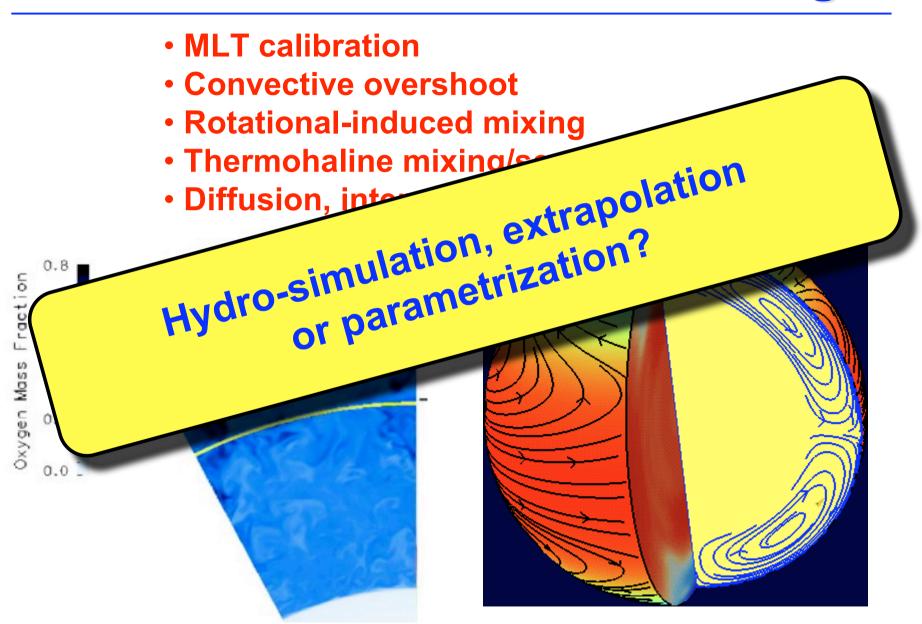
Atmospheric challenges

Extend parameter space of 3D

Radiative transfer



Evolution: convection + mixing



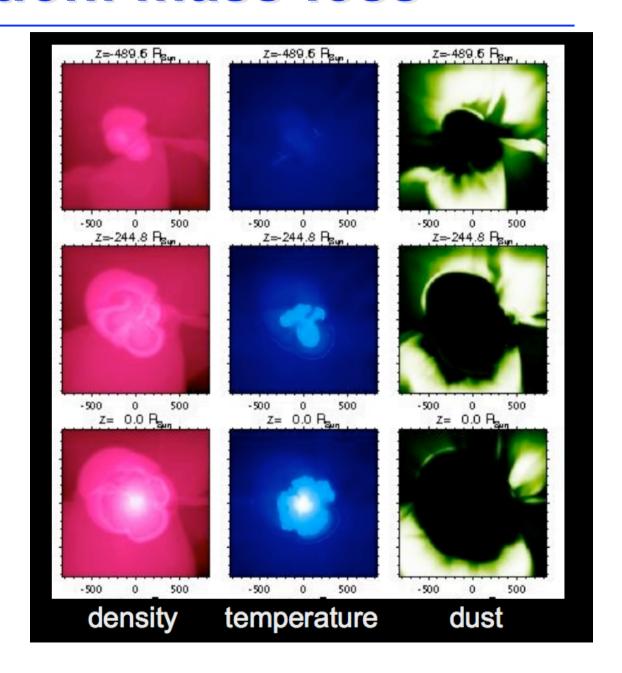
Evolution: mass-loss

Dust-driven AGB winds

RGB stars?

Red supergiants?

Theoretical vs empirical massloss laws



Evolution: pre-main sequence

