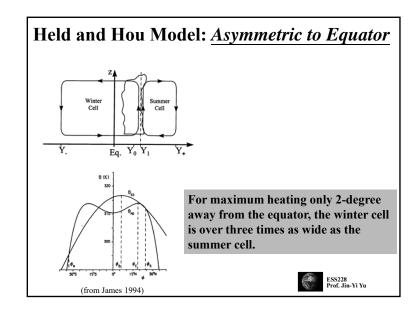
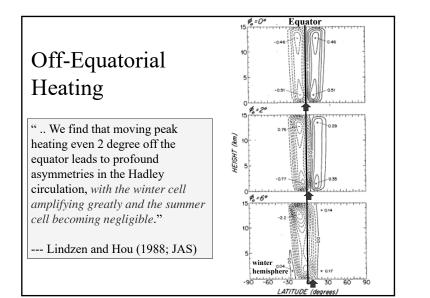
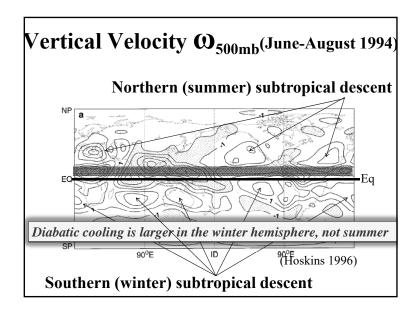
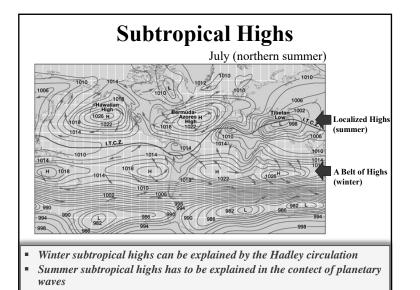


At high rotation rates the Hadley cells are conned near the equator and baroclinic waves poleward of the Hadley circulations are responsible for a significant proportion of the heat transport.









Possible Mechanisms - Summer

The underlying mechanisms are still disputed:

- (1) Monsoon-desert mechanism (Rodwell and Hoskins 1996, 2001)
- (2) Local land-sea thermal contrast (Miyasaka and Nakamura 2005)
- (3) Diabatic amplification of cloud-reduced radiative cooling
- (4) Air-sea interaction

