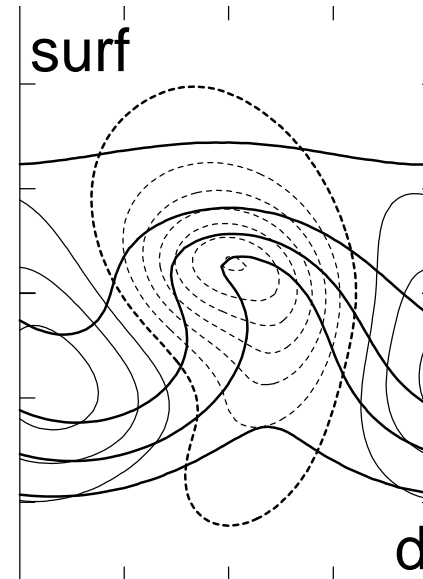
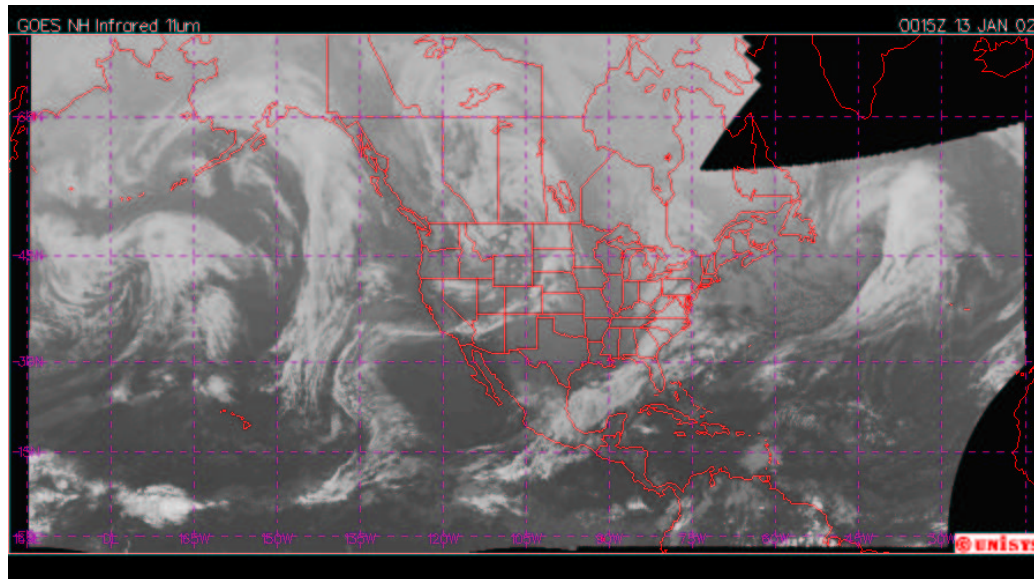


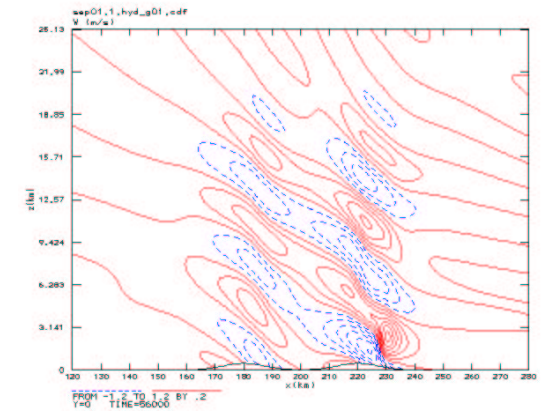
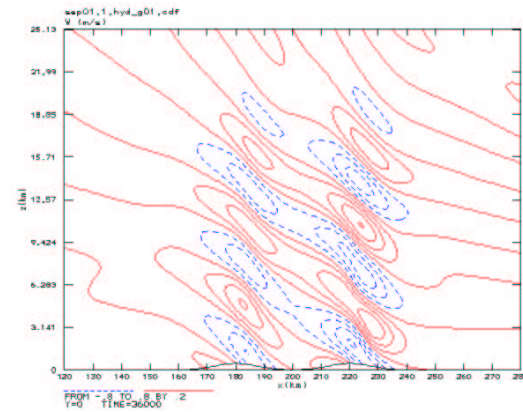
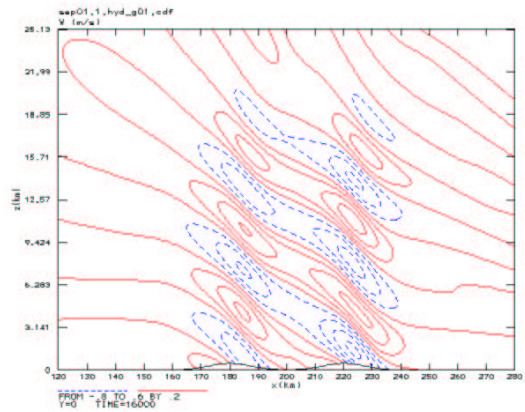
Question in Atmospheric Science I



North American Weather

- ▷ why are (midlatitude) storm systems associated with low pressure?
 - rotating, stratified fluid dynamics
 - small Rossby number perturbation theory
 - pseudo-spectral numerical computation

A Question in Atmospheric Science II



Atmospheric Turbulence

- ▷ what are the origins of clear air turbulence?
 - rotating, stratified fluid dynamics
 - nonlinear wave asymptotics & stability theory
 - time-dependent flow computation