AOS 718

Dynamics Moist Convective Systems
Moist Convective System

- A mesoscale weather system whose circulation is driven by energy supplied through a combination of moist thermal and mechanical production.
  - Deep moist convective plumes are conduits of energy production
  - The system scale circulation itself is a conduit of energy production
Seabreeze
Convection along boundaries
Squall line
Squall Line
Katrina
Scale Interaction Processes

- Interaction between balanced scales and transient scales
- Balanced scales usually involve vortex
- Unbalanced scales usually involve convective plumes