

Storm events
thunderstorms

Midlatitude Cyclones
Thunderstorms

- AL
- Uganda

classification

- NWS

- Severe

Energy exchange

- Avg thunderstorm

- Uplift
 - Orographic
 - Convection
 - Frontal
- Squall lines

hazards

- Lightning

- occurrence

- Hail
- Tornadoes
- Formation

Tornado Wind Patterns

In U.S.

- Tornado alley

Tropical storms

- Low P in Pacific or Atl

- w/in trades

- Homogenous air

Motion?

- Intensify as they mature
 - Why?

Structure

structure

- eye
- Eyewall
- Rain bands

classification

- Depression
- Storm
- Hurricane
- 5 categories
- Katrina

Surge and Flooding

N. Am. 1900-96

- Damage increasing
- Florida highest costs

forecasting

- 1. El nino
- 2. Drought in West Afr.
- 3. sea-surface temperatures
- 4. weak Azores High P gradient