

Intro to climatology

- Meteorology

- climatology

Climate Controls:

- 1) Solar energy

Intertropical Convergence Zone

2) Land vs. Water

Temperature ranges

3) Global Pressure systems

- High to low

- Horizontal

Average Annual Precip.

- Vertical

- Intertropical convergence zone (ITCZ)

- Subtropical high pressure belt

Average Annual Precip.

4) Topography

Köppen

- 4 regimes

- 1 tropical, 2 mid-latitude, 1 polar

Climate Classification System Köppen (early 1900s)

Climograph

Tropical Rainy (A)

- high temps
- rainforest (Af)
 - monsoon (Am)

- ITCZ

- Monsoon

- 3 variables defining dry-humid boundary

B) Dry Climates

- Subtropical High Pressure Belt

- Deserts (BW)
- Steppe (BS)

Mid-latitude (C climates)

- 1) Cfa Humid subtropical

- 2) Cfb Marine West Coast

- 3) Csa Mediterranean

D) Continental Climates

E) Polar Climates