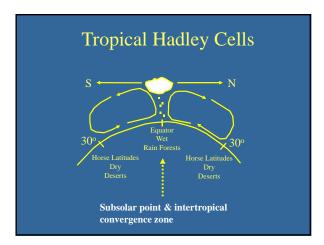
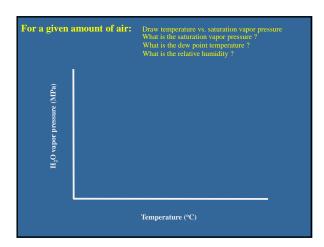
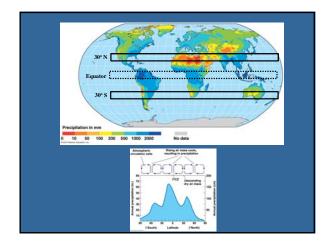
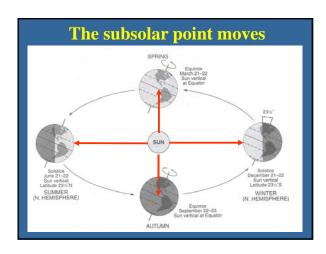
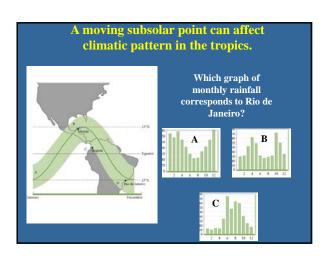
### Atmospheric Circulation Affects Climate











## The ITCZ moves with the subsolar line. But often lags behind – especially over the ocean NOAA NCEP CPC CAMS\_OPI climatology precipitation Jan

#### Pacific slope of Panama during dry season January through April

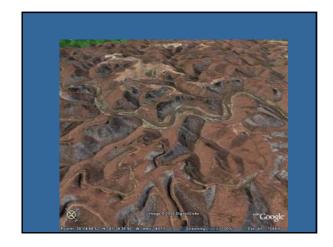


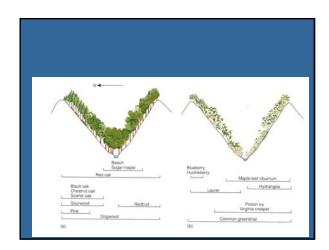
#### **Thought Question**

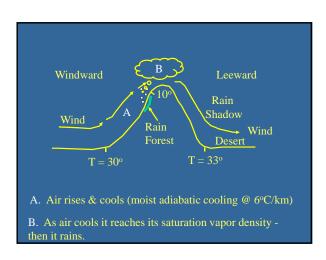
If the angle between the orbital plane of the Earth around the Sun and the plane formed by the Earth's equator were to decrease (currently it's 23.5°), what effect would this have on the seasons in the N. Hemisphere?

If the angle were  $0^{\circ}$ , when would an equinox occur?

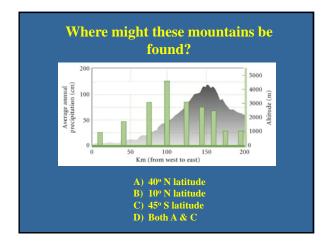
#### Lectures 6-7



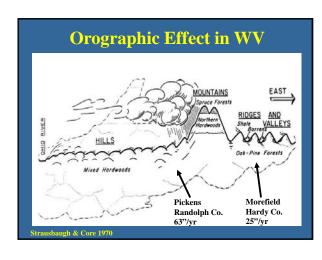




#### Lectures 6-7







### Ocean Circulation Can Affect:

- Regional climate.
- The price of fish.

# Large bodies of water heat up and cool down more slowly than land San Francisco Saint Louis San Francisco San Francisco Moorth

