

Earth's Atmosphere, ESS 55

Homework 7, due June 5. Not mandatory but may replace one of the earlier homeworks

1. Describe and discuss two climate feedback cycles, one positive and the other negative, both dealing with the effects of water vapor on atmospheric temperature.
2. Long Beach is at about the same latitude as Charleston, South Carolina, and both are coastal cities. Still the amount of summer precipitation in the two cities is very different. Discuss the most important control of precipitation in the two cities and why the rainfall is so different. (A sketch might be helpful).
3. Why are lower sea levels associated with ice ages?
4. Do scientists expect the ozone hole to get better or worse in the coming century? What do they base their predictions on?