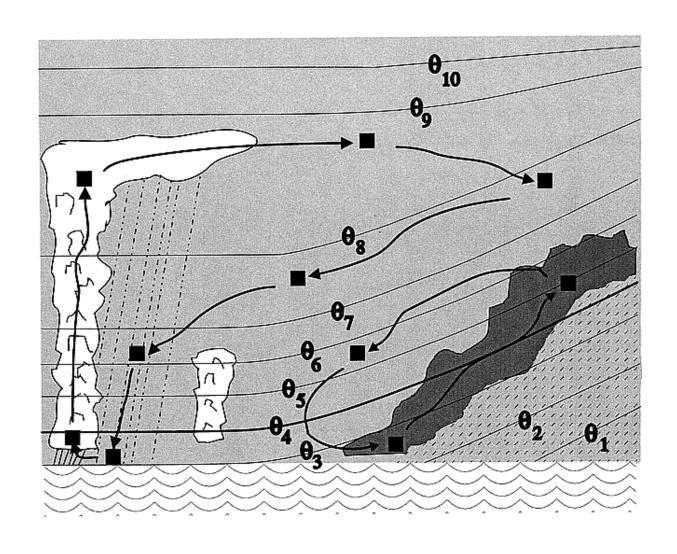
Flux of water by convection makes real problem complex



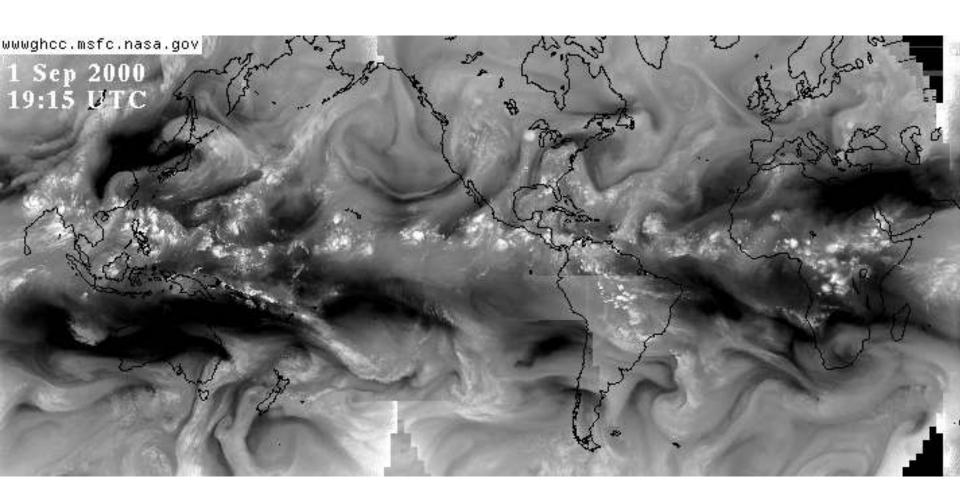
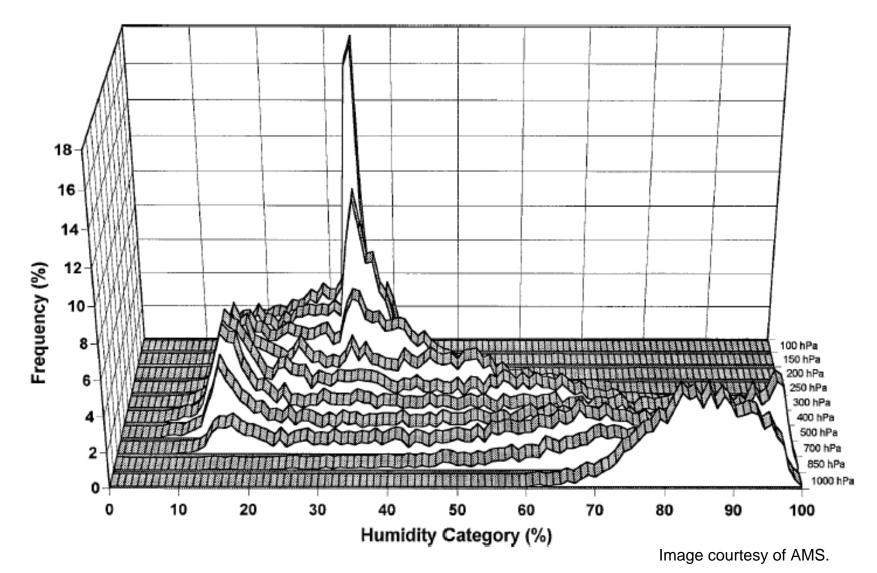
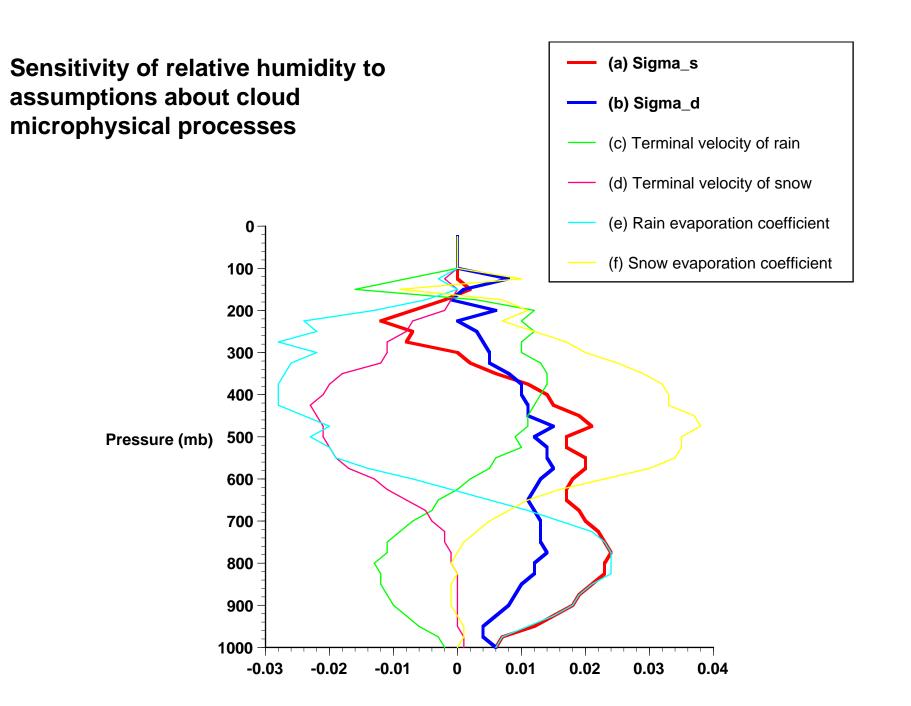


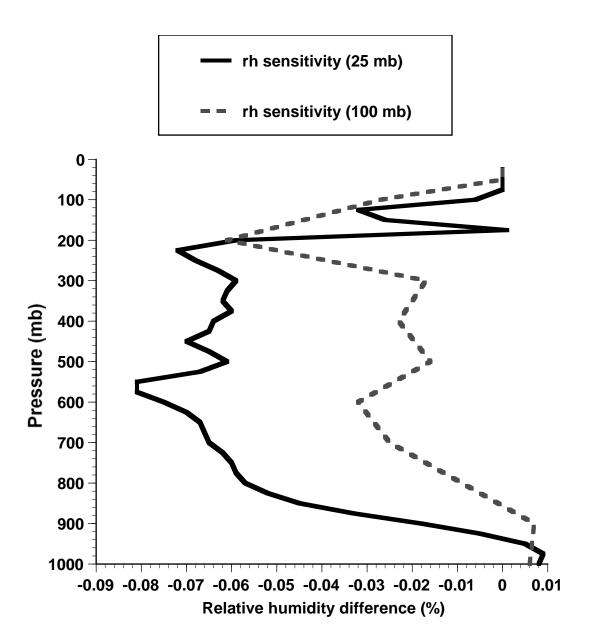
Image courtesy of NASA.

Frequency histogram of rawindsonde relative humidities from 1600 ascents at the tropical Pacific islands of Yap, Koror, Ponape and Majuro, January-May, 1994-95. Spencer and Braswell, *Bull. Amer. Metor. Soc.*, 1997.



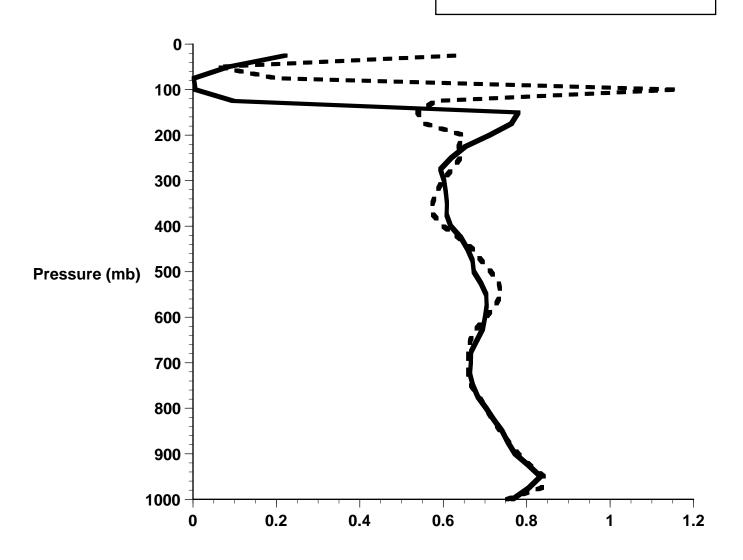


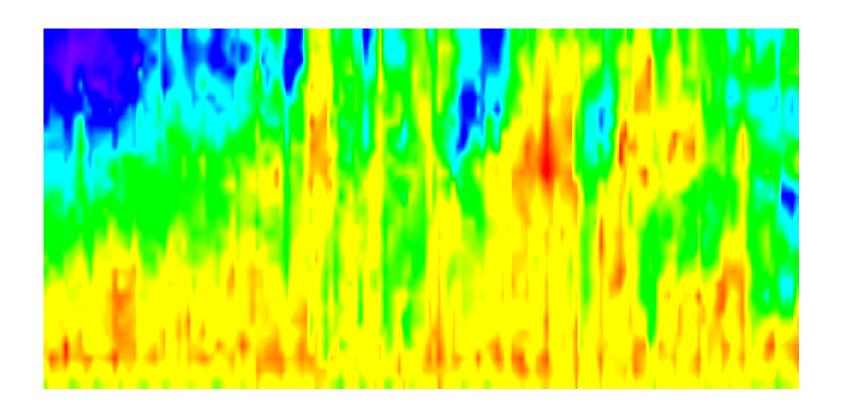
Sensitivity to microphysics increases with vertical resolution of model

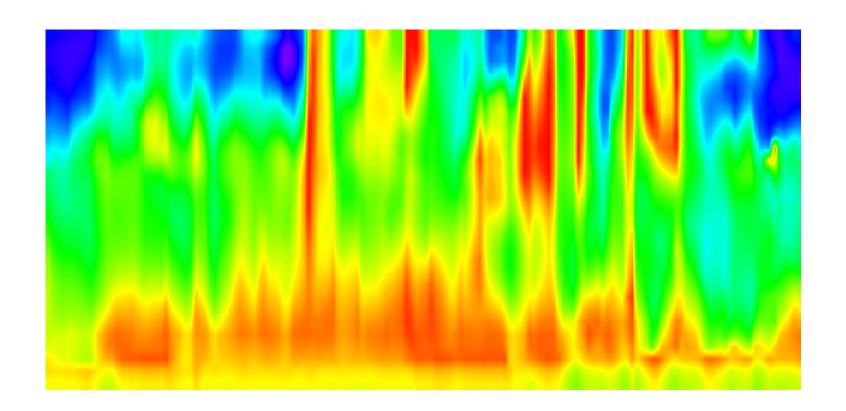


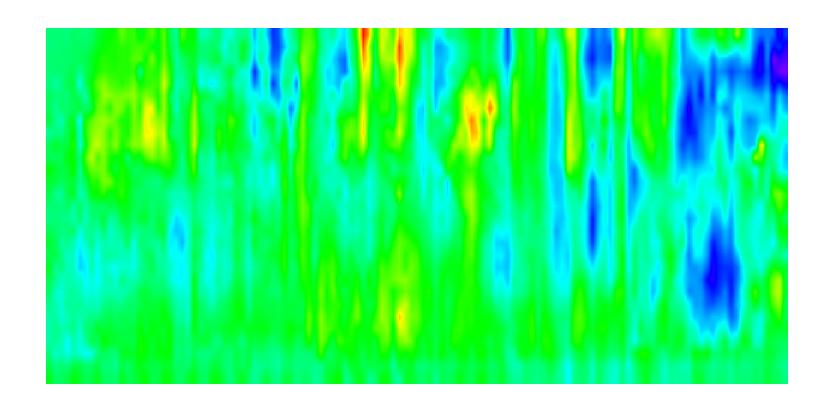
Observed RH

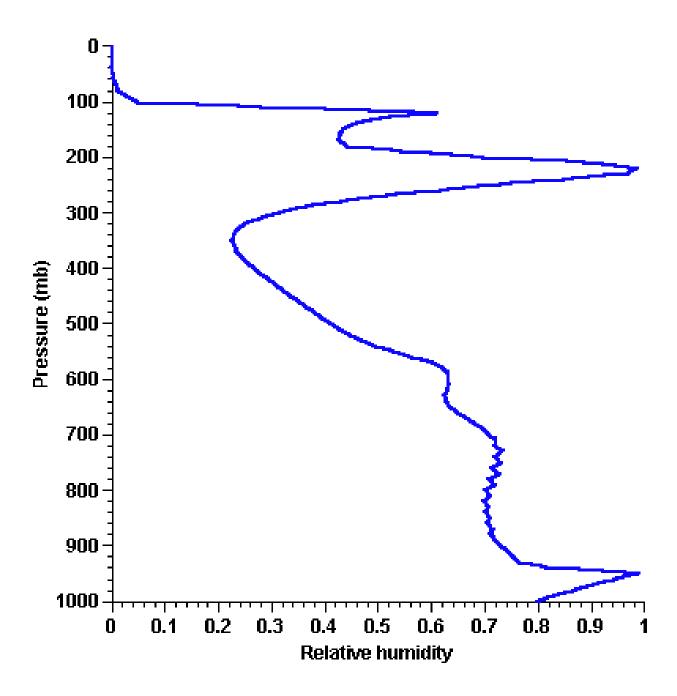
- Predicted RH

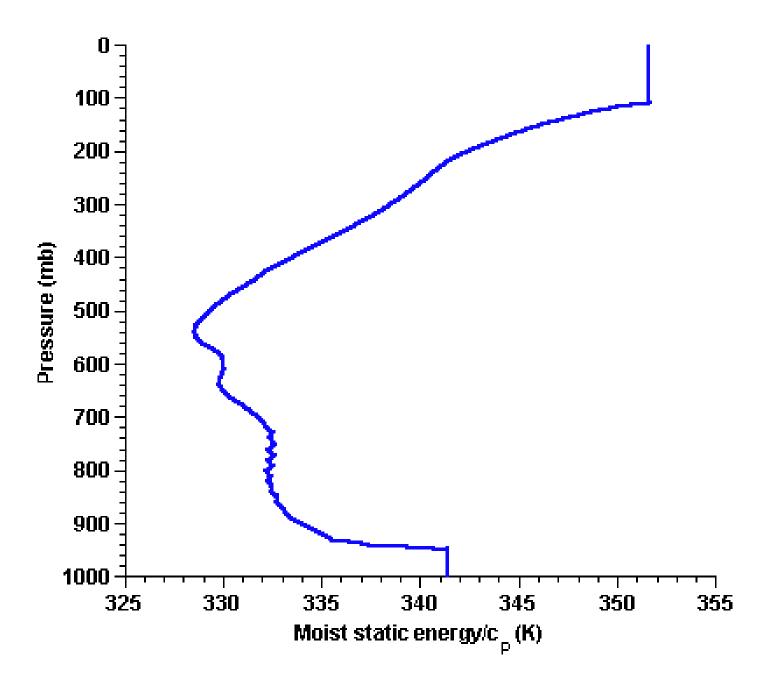


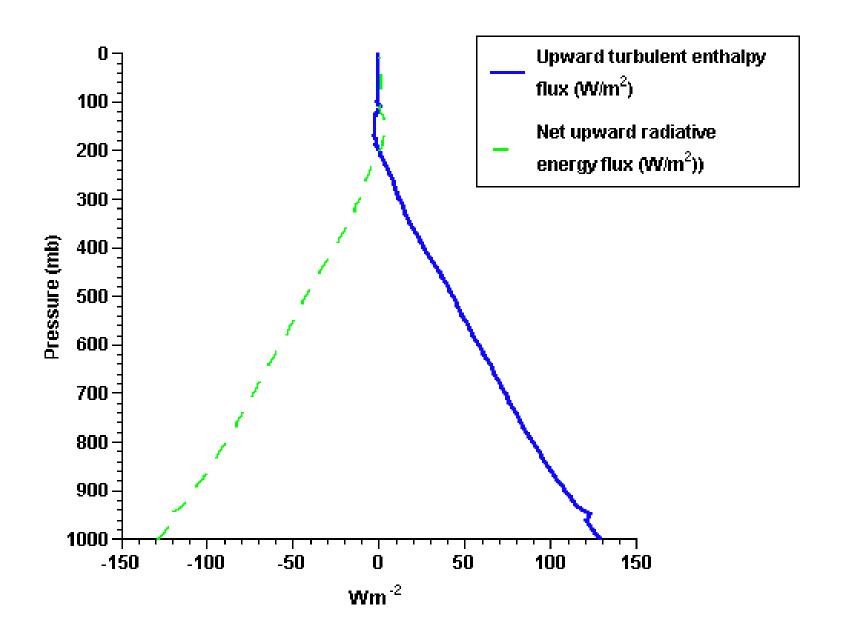












Effects of Clouds on Radiative Transfer

- Responsible for much of Earth's albedo
- Important greenhouse effect from longwave absorption and re-emission

