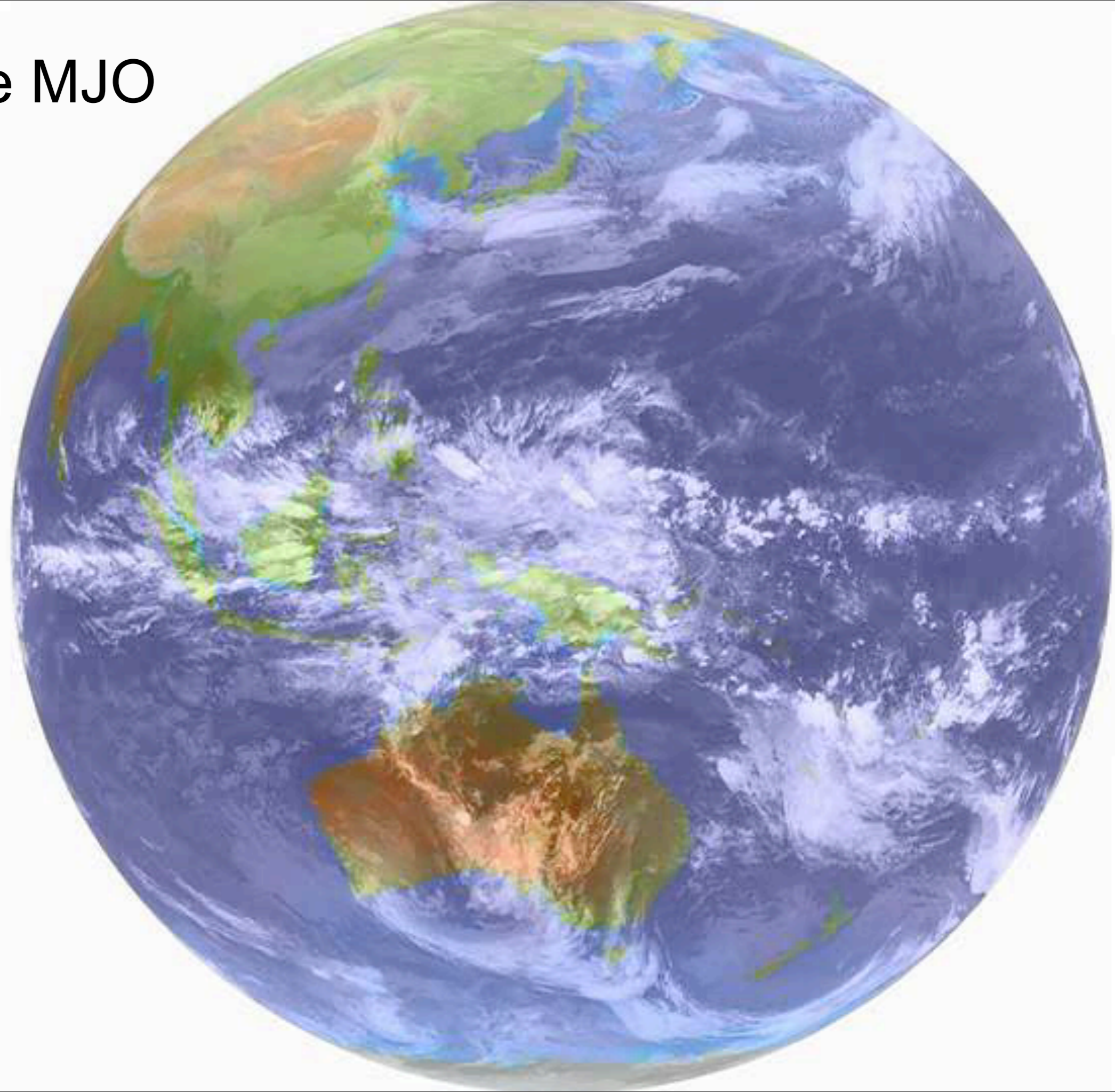


the MJO



Discussion Points: General Circulation

- What are the prospects of resolving moist processes (deep convection, marine strat clouds, etc.) in global models in the next 10 years? What are the implications for future GCM work and theory of the general circulation?
- How can understanding dynamics of MJO etc. help us with the general climate problem?

Discussion Points: Biosphere/Climate

- Is biosphere-climate modelling a tractable problem?
- Are existing reduced complexity ($N \sim 10$) models useful?
- Are existing dynamic vegetation models useful or “good enough”?
- Does the biosphere-climate system act to extremize anything, and does this provide useful constraints? (entropy, entropy production, efficiency, energy flows ...)
- Does the moist process parameterization experience provide useful strategic guidance?
- Blue sky: what would be the best thing to measure for field ecologists?
- Toy models