

Questions: Atmospheric Modes

1. Name some of the common atmospheric modes
2. Define the term atmospheric mode
3. What part of the earth is the focus of ENSO?
4. What are some differences between the El Nino phase and the La Nina phase?
5. What is the typical time period over which an ENSO cycle lasts?
6. What measures the strength of the Southern Oscillation?
7. Are North Atlantic hurricanes more or less likely to occur during El Nino conditions?
8. What is the typical time scale for PDO fluctuations?
9. Is PDO a single physical mode like ENSO, or a sum of several processes with different dynamical origins?
10. What is the typical time scale for the Madden-Julian oscillation?
11. What is the general character of the MJO?
12. What is a primary reason for the inverse relationship between tropical cyclone activity in the NW Pacific basin and the N Atlantic basin?