

歷史颱風與季內震盪

Intraseasonal Oscillation Activities and Historical Tropical Cyclone

By applying wavelet analysis to reanalysis data, this project selects historical tropical cyclone (TC) cases known to be influenced by intraseasonal oscillation (ISO) activities. Sensitivity experiments with and without ISO are then executed using a cloud-resolving regional model to explore the TC-ISO relationship.

Preferred background

- Strong knowledge/experience in computers (Linux/*UNIX* system) is *essential*
- Good programming skills (especially Fortran) would be a *plus*
- Familiarity with NCL, GrADS, Python, or MATLAB would be a *plus*
- Senior or junior college students with good English skills