

Global Ocean Data Assimilation System

NCC-GODAS, as one part of operational dynamic climate model system, is routinely offering the marine initial fields. This system mainly contains 3 parts such as pretreating data, variation interpolating and ocean dynamic model. Handling data includes collecting data, decoding data and data quality control. The scheme of 3-dimensional variation is employed in our system. Meanwhile, a time-window, about 4weeks, is opened in order to obtain as much observation information as possible. L30T63 OGCM Version 1.0, which is established and developed by LASG, is selected as the dynamic model of our system.

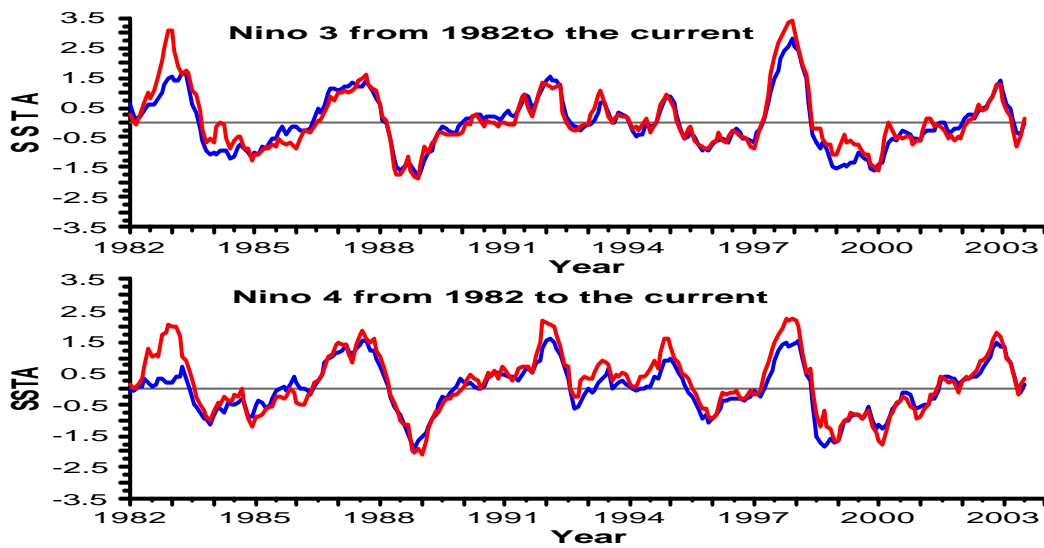


Fig.1. Temporal evolution of Nino 3 (upper panel) and Nino 4 (lower panel) indices. Red curves are those from NCEP OISST, while blue curves are from NCC-GODAS.

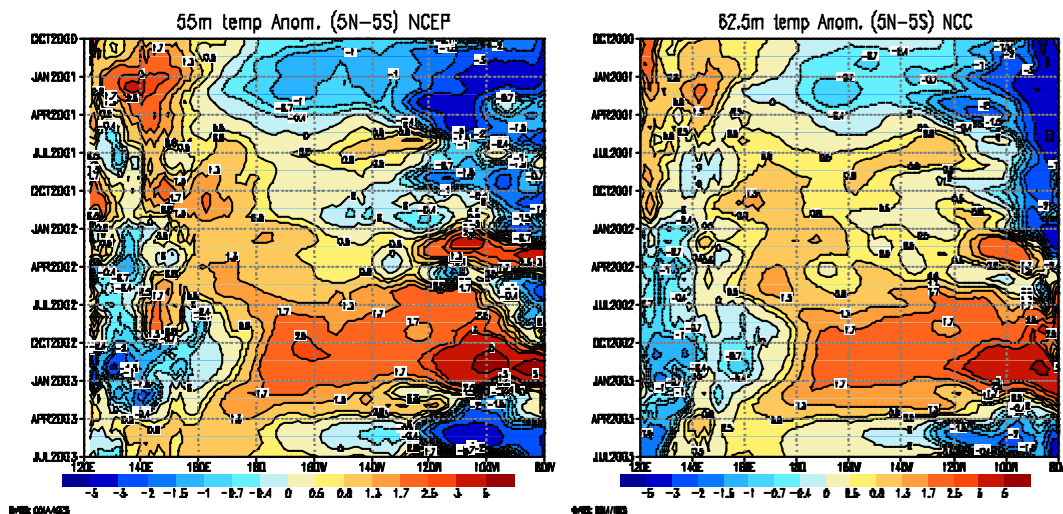


Fig.2. The temporal-longitudinal cross section of subsurface ocean temperature anomalies about 60m under the surface averaged within 5 degrees of the equator. Left panel: EMC/NCEP; right panel: NCC-GODAS.