

Preliminary study to couple MIT Ocean model and NCEP SFM.

Masao Kanamitsu, Elena Yulaeva, and John Roads

Experimental Climate Prediction Center, Scripps Institution of
Oceanography, University of California, San Diego.

Abstract: At the Scripps Experimental Climate Prediction Center, an effort to couple the MIT ocean and NCEP Seasonal Forecast models has started. The ultimate objective of this effort is to perform experimental coupled seasonal forecasts for the ocean as well as the atmosphere. We are currently examining the performance of both models separately. For the atmospheric model performance, a ten member ensemble amip runs has been developed and is under investigation. The MIT ocean model performance was examined by making multi-year integrations forced with NCEP SFM amip run climatology and daily reanalysis-2 forcing. The results of these experiments and experiments of the direct coupling will be discussed at the workshop.