

Seasonal to multi-year climate prediction experiments using MIROC coupled models

*片岡 崇人¹、建部 洋晶¹、小山 博司¹、望月 崇司¹

*Takahito Kataoka¹, Hiroaki Tatebe¹, Hiroshi Koyama¹, Takashi Mochizuki¹

1. 研究開発法人 海洋研究開発機構

1. JAMSTEC Japan Agency for Marine-Earth Science and Technology

A set of hindcast experiments using MIROC5.2, a minor update version of MIROC5, are conducted for the period between 1980 and 2009 for the decision of the MIROC 6 prediction system, which will participate in the decadal climate prediction project (DCPP). For initialization, both full-field and anomaly assimilation are adopted for the ocean temperature and salinity field. In addition to hindcast experiments using these assimilation runs, two hindcast experiments are carried out, in which some of the atmospheric variables are replaced with those from ERA-Interim. In this presentation, results from these hindcast experiments are presented. Also, preliminary results from a ocean-atmosphere coupled assimilation system and MIROC6 hindcast experiments will be introduced.