

Seasonal prediction by SINTEX-F

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The SINTEX-F seasonal forecast system has demonstrated excellent performance of prediction on the ENSO and the IOD (Luo et al., 2005a, 2007, 2008a, 2008b, Jin et al., 2008). However, we found that the prediction skill is relatively low for the decay phase of the La Nina events, the IOD development phase, and the Atlantic Nino/Nina events. In particular, we would like to talk about the reason why the prediction of the 2012 positive Indian Ocean Dipole Modes was difficult. Also, we will present pre-results about the next generation of the seasonal forecast system on a basis of SINTEX-F2 (the atmospheric component (ECHAM5) has a resolution of 1.18 (T106) with 31 vertical levels and the oceanic component (OPA9) has 0.5*0.5 degree horizontal mesh with sea ice model).

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