

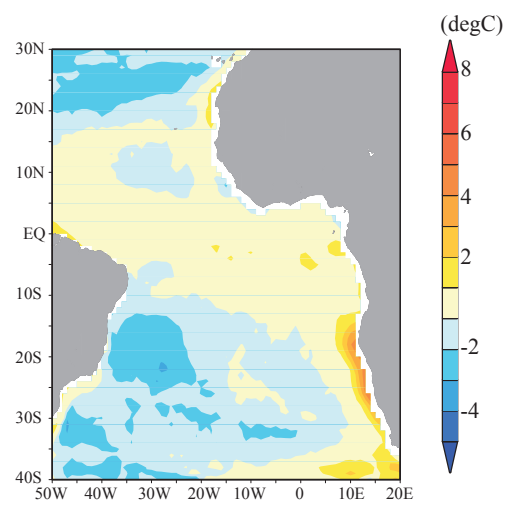


Figure S1. Climatological annual-mean SST bias of high resolution MICOM forced by CORE-IAFv2. The model horizontal resolution is $0.5^\circ \times 0.5^\circ$.

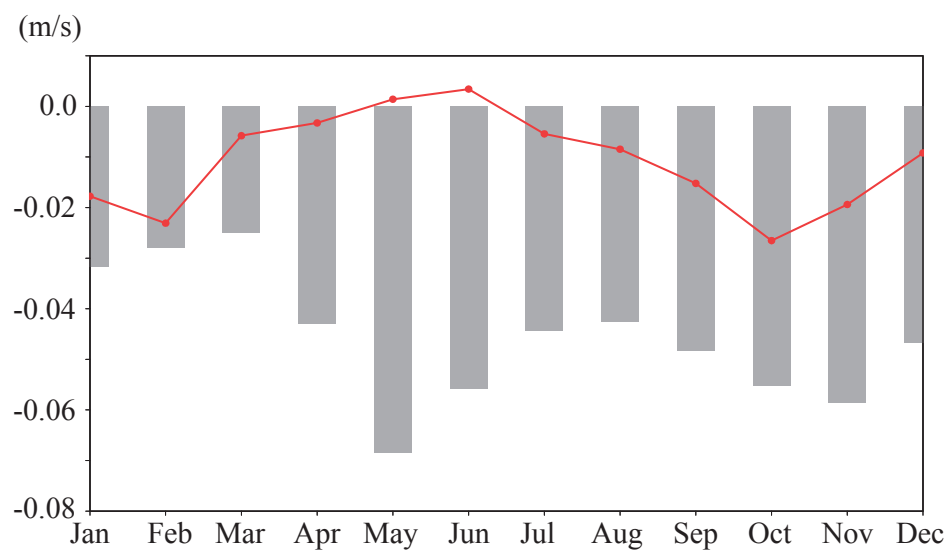


Figure S2. Climatological seasonal cycle of meridional component of geostrophic current estimated from sea surface height for the observations of AVISO (red line) and NorESM (gray bar) at 15°S.