

Discussion: For future multidisciplinary research experiments in the Indian Ocean

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The accomplishment of RAMA array for whole basin is now around 70%, and the eastern part of RAMA array has accomplished already. Most of Argo array in the Indian ocean is already maintained. Therefore, it is the time to foster Indian Ocean researches by using existing system as well as by introducing new idea, and new technologies that can complement RAMA and other existing observing systems. Using this discussion time, we would like to discuss possible research themes for the Indian Ocean, utilizing RAMA array, introducing new scientific ideas and new technologies. Only considering from the point of view of RAMA data, there are already several possible research themes, which include air-sea interaction and upper ocean circulation in the Bay of Bengal, physical processes governed development and termination of eastern pole of IOD, ocean variations and air-sea interaction along Seychelles-Chagos Thermocline Ridge, and subduction processes and meridional circulation in the Indian Ocean. New ideas to be a seed for new research experiment are welcomes in this discussion.

Keywords: Indian ocean dipole, Monsoon, MJO, biogeochemical processes, air-sea interaction, ocean variation