



The 2011-12 CINDY/DYNAMO Indian Ocean Field Campaign

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The CINDY/DYNAMO field campaign took place in the Indian Ocean from October 1, 2011 through March 31, 2012, with participations from 16 countries. Its main goal is to advance our understanding of key physical processes for initiation of the Madden-Julian Oscillation (MJO) and our ability of predicting it. Its platform and main instruments include four research vessels, two airplanes, three radar sites of total 12 radars of different wavelengths, four moorings, and a research sounding array embedded in an enhanced operation sounding network spanning from East Africa and Western Pacific in both hemispheres.

This presentation provides an overview of the CINDY/DYNAMO field campaign, with descriptions of its observing strategy, data collection, and selected preliminary results. Special attention will be paid to issues related to evolution of cloud population and associated variability in large-scale moisture, wind and aerosol through the initiation stages of the MJO.