

Characteristics of observed mesoscale convective systems over R/V Mirai during CINDY/DYNAMO SOP

by Masaki Katsumata and Kunio Yoneyama

Abstract:

The R/V Mirai successfully continues two-months observation at the southeast corner of CINDY/DYNAMO sounding array. Various organized and non-organized mesoscale convective systems were captured by enhanced 3-hourly soundings, C-band scanning Doppler radar, etc. The ITCZ convection appeared roughly 5-day cycle both in October and November, with leading more-convective systems and trailing more-stratiform systems in each events. We report the basic statistics of the observed commonalities and differences between convective events, especially focusing the temporal evolution of MJO.