

Pre-YMC2015キャンペーン速報

Early Results from pre-YMC 2015 Field Campaign in Sumatra

*米山 邦夫¹、鈴木 順子¹、城岡 竜一¹、森 修一¹、勝俣 昌己²、Syamsudin Fadli³、Nurhayati Noer⁴

*Kunio Yoneyama¹, Junko Suzuki¹, Ryuichi Shirooka¹, Shuichi Mori¹, Masaki Katsumata², Fadli Syamsudin³, Noer Nurhayati⁴

1.海洋研究開発機構 基幹研究領域 大気海洋相互作用研究分野、2.海洋研究開発機構 地球環境観測研究開発センター、3.インドネシア技術評価応用庁、4.インドネシア気象気候地球物理庁

1.Japan Agency for Marine-Earth Science and Technology / Department of Coupled Ocean-Atmosphere-Land Processes Research, 2.Research and Development Center for Global Change, 3.Agency for the Assessment and Application of Technology, 4.Agency for Meteorology Climatology and Geophysics

The Years of the Maritime Continent (YMC) is designed to take place from mid-2017 to mid-2019 for improving our understanding and prediction of the weather-climate system over the Maritime Continent (MC) region and its global impact. During the campaign period, several intensive observations coordinated under the framework of YMC are planned in addition to the long-term monitoring by the MC local agencies. However, such coordination and conducting observations may encounter unforeseen difficulties. In addition, 2-year period is still insufficient to understand even local-scale phenomena as it may be affected by large/longer-scale phenomena such as El Nino. By considering these factors, we have conducted another field campaign as a pilot study for the YMC, and we call it as pre-YMC campaign. This campaign was conducted in Sumatra, Indonesia including Bengkulu (on and off the coast) and Kototabang from November through December 2015. While we deployed land-based radar/special radiosonde sites in Bengkulu and the R/V Mirai off Bengkulu to study precipitation mechanism, we also conducted water vapor/ozone-sonde observations at the EAR site in Kototabang to study upper troposphere/stratosphere interactions. Observations captured the atmospheric features in the transition phase from inactive to active for convection associated with the Madden-Julian oscillation. In this talk, some selected early results will be presented in addition to the basic information about the field campaign.

キーワード：国際集中観測YMC、集中観測Pre-YMC、スマトラ島

Keywords: YMC, Pre-YMC, Sumatra