



## **Basic Strategy for Producing the Same Quality Controlled Sounding Data for the YMC Field Campaign**

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The Years of the Maritime Continent or YMC is an international field campaign which is designed to improve our understanding of weather and climate systems over the MC region, where hosts various spacio-temporal scale phenomena and has a great impact onto higher latitudes. This field campaign is planned to take place for two years from July 2017, and several intensive observations focusing on specific topics such as diurnal cycle precipitation, interaction between local circulation and the Madden-Julian oscillation, etc. will be conducted in addition to the routine basis observations done by the local meteorological agencies. To capture the atmospheric features, radiosonde sounding is a still powerful tool and provides basic information. However, various kinds of sensors are used at the different sounding stations. Currently the author collects information from the participating agencies in the MC region about sounding system. Based on this information, we plan to conduct several intercomparison. In 2015, we've already conducted a pilot study as part of the YMC and obtained sounding data near Sumatra Island. Using several different sensors, we confirmed the data quality of sounding data taken as a routine basis and developed a correction scheme. Similar procedure is planned to take at the different sites. Besides, surface meteorological information that can be used for future correction is also collected with the help of MC local agencies. Current status including the results of data quality control will be presented.