

Primary Results of the Ozone Variability and the Dehydration Process in the UTLS During YMC-Sumatra 2017 Field Campaign

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The field observation focused on the atmospheric science between the upper troposphere and the lower stratosphere (UTLS) was conducted in Bengkulu, Indonesia in December 2017 as part of the observation of the Years of the Maritime Continent (YMC). We deployed land-based the water vapor, the ozone, and the cloud sonde-observation to understand the ozone diurnal cycle and the dehydration process in the UTLS. We will present some primary results in addition to the general information about the YMC field campaign.

Key words: water vapor, ozone, upper troposphere clouds, balloon sounding