

Microwave Radiometer Network (Micro-NET) in Kanto region for high-temporal monitoring of vapor

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National Research Institute for Disaster Prevention (NIED) had developed microwave radiometer network (Micro-NET) in Kanto region since 2014. The Micro-NET will provide vertical profile of vapor and temperature in high temporal resolution and contribute as a powerful tool for data assimilation to improve forecast skill of early developing cumulonimbus. NIED installed another three microwave radiometers (MWR) in Niigata prefecture to retrieve temperature profile in snow storms.

This study will report the preliminary results on the performance of MWRs by the comparison between MWR and sounding data at Tsukuba and Niigata cite.

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