

地上観測によるGPM/DPR検証 Ground-based Validation of GPM/DPR

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The Global Precipitation Measurement (GPM) mission is an expanded follow-on mission to TRMM (Tropical Rainfall Measuring Mission) and GPM core satellite carries dual frequency precipitation radar (DPR) and GPM Microwave Imager on board. The DPR is expected to advance precipitation science by expanding the coverage of observations to higher latitudes than those of the TRMM/PR, measuring snow and light rain by the KaPR, and providing drop size distribution information based on the differential attenuation of echoes at two frequencies. After launch of GPM core satellite JAXA will perform evaluation of DPR L2 products, for example, precipitation rate, measured radar reflectivity, and drop size distribution. Those physical values will be compared with ground-based observations. This poster presentation will show the preliminary report of DPR evaluation comparison between DPR products and ground-based instruments during the first 2 months after launch, including a ground-based Ka-band radar system.

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