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**Recent progresses of  
the Global Satellite Mapping of Precipitation (GSMaP) Products**

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The Global Satellite Mapping for Precipitation (GSMaP) produces high-resolution and high frequent global precipitation map based on multi-satellite passive microwave radiometer observations with information from the Geostationary InfraRed (IR) instruments (Kubota et al. 2020). Output product of GSMaP algorithm is 0.1-degree grid for horizontal resolution and 1-hour for temporal resolution. The GSMaP near-real-time version product (GSMaP\_NRT) has been in operation at JAXA

since November 2007 in near-real-time basis and browse images and binary data available at JAXA GSMaP web site (<http://sharaku.eorc.jaxa.jp/GSMaP/>).

This presentation shows recent progresses such as a new version of the GSMaP products released in December 2021. We plan the reprocessing of the GSMaP standard version in a period during the past 24 years since Jan. 1998. The GSMaP real-time version (GSMaP\_NOW) with the new algorithm was also released in December 2021. Accuracy improvements of the GSMaP products were confirmed by validations with the gauge-adjustment ground radar data over the Japan.