



Synthetic Data and Data Formats for the GPM GMI Radiometer

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In February 2014, the GPM core satellite will be launched with the GMI radiometer and a dual precipitation radar. While the launch is still two years away, many users will be preparing their systems to use data from GPM. This paper will present the current activities vis a vis synthetic GMI L1 data that can be used during this preparatory phase. It will also describe the various formats to be used for the GMI radiometer and the intercalibrated Tb that will be created from GPM partner radiometers. The paper briefly describes the calibration approach being used for the GMI calibration as well as the intercalibration work being done to prepare partner provided radiometer data. It concludes by providing an overview of the various physical formats in which GPM swath data will be provided and services that will allow users to specify their "own" formats.