GPM/DPR Precipitation Compared with the 3.5-km-resolution NICAM Simulation

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1. Goals and Precipitation Datasets

- **Goals**
  - Comparing the GPM/DPR-derived precipitation data with other precipitation data and a NICAM 3.5-km simulation

- **Precipitation Datasets**
  - **GPM/DPR** (Hou et al. 2014)
    - Normal Scan (NS): KuPR/NS (similar to TRMM/PR) and DPR/NS
    - High Sensitivity Scan (HS): DPR/HS
  - **NICAM 3.5km** (Satoh et al. 2014)
    - Initialized NCEP-FNL and 48-hour simulation (24-h spin-up)
    - Joint Simulator for radar reflectivity (Hashino et al. 2013)
  - **Other satellite-derived precipitation data**
    - GSMaP/NRT (Ushio et al. 2009) & GPM/GMI (microwave imager)

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2. Results and Discussion

- **Frontal Precipitation over Japan**

- **CFADs over storm track regions**

- **Bright band/0 °C height over storm track regions**

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3. Citation