

S3-04

Energetic Electron Flux Measurements using KSEM PD on GeoKompsat-2A

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The Particle Detector (PD) of the Korea Space Environment Monitor (KSEM) aboard the GEO-KOMPSAT-2A (GK-2A) has been measured energetic particle flux in geostationary orbit at the longitude of 128.2°E, since July 2019. KSEM PD provides near-real-time energetic particle flux condition of space environment on the location where is nearly opposite side to the location of GOES-16 satellite. We report on the recent energetic electron flux measurements of KSEM PD and the initial results of cross-comparisons with the data from MPS-Hi, a particle detector of GOES-16, and brief review on electron flux responses of KSEM PD and MPS-Hi to enhanced space environment conditions.