

Energy spectra variations of high energy electrons in magnetic storms observed by ARASE and HIMAWARI

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ARASE observed several magnetic storms caused by CIR or CME from March in 2017. The relativistic electrons in the outer radiation belt were increased and their energy spectra were changed in some storms observed by XEP/HEP onboard the ARASE spacecraft. In the same time, SEDA-e/HIMAWARI8 was observed in different local time on GEO.

We will report on energy spectra variations of high energy electrons including calibrations of differential flux between XEP and HEP and on those comparisons between ARASE and HIMAWARI that observed each storm in different local time.