

The plasma dynamics in the Jovian inner magnetosphere seen by EXCEED onboard HISAKI

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"HISAKI" the Japanese Earth orbiting satellite has been launched in September 2013 from the Uchinoura space center. The EUV spectroscopy "EXCEED" on board the spacecraft is observing the planets in our solar system since the end of November 2013 [Yoshikawa et al. 2014]. The performance of the instrument (effective area, spectral and spatial resolutions, and etc.) are same as been expected before the launch [Yoshioka et al. 2013]. Using the EUV spectra of the Jovian inner magnetosphere (Io plasma torus) taken by the EXCEED, the plasma dynamics such as electron transportation or local heating process have been revealed. In this presentation, we will show the whole results of Io plasma torus observation through the EXCEED, and we will also explain the way of our approach for the Jovian plasma dynamics.