

Variation of plasma parameters of Io torus observed by Hisaki/EXCEED

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The EUV spectroscopy "EXCEED" on board the Hisaki spacecraft is observing the planets in our solar system since the end of November 2013 [Yoshikawa et al. 2014]. Since then, EXCEED is continuously observe the Io plasma torus with wide width slit. Using those EUV spectra, we have deduced the plasma conditions around there through the spectral diagnosis method. Especially, the variation during the Io's volcanic activity is detected. 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.