

「ひさき」観測から求める木星内部磁気圏の硫黄・酸素イオン空間分布

Radial distribution of sulfur and oxygen ions in the Io plasma torus observed by Hisaki spacecraft

*吉岡 和夫¹、土屋 史紀²、木村 智樹³、村上 豪⁴、吉川 一朗¹、山崎 敦⁴、笠羽 康正²、藤本 正樹⁴

*Kazuo Yoshioka¹, Fuminori Tsuchiya², Tomoki Kimura³, Go Murakami⁴, Ichiro Yoshikawa¹, Atsushi Yamazaki⁴, Yasumasa Kasaba², Masaki Fujimoto⁴

1.東京大学、2.東北大学、3.理化学研究所、4.宇宙航空研究開発機構宇宙科学研究所

1.The University of Tokyo, 2.Tohoku University, 3.RIKEN, 4.ISAS/JAXA

The imaging spectrum of Io plasma torus in extreme ultraviolet (50-150nm) has been observed by EXCEED on Hisaki. We analyzed them using the spectrum diagnosis method and deduced the column averaged plasma parameters (such as S⁺, S⁺⁺, S⁺⁺⁺, O⁺, etc.) from the radial distance of 6 to 8 Jovian radii. The local densities of those ions are deduced and the clear increase of S⁺ (about 3 times) after the Io's outburst event in 2015 are seen.

キーワード：イオプラズマトーラス、硫黄、酸素

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