

地球周回から見た木星と金星 EXCEED EUV spectral images of Jupiter and Venus

吉川 一朗^{1*}; 吉岡 和夫²; 村上 豪²; 土屋 史紀³
YOSHIKAWA, Ichiro^{1*}; YOSHIOKA, Kazuo²; MURAKAMI, Go²; TSUCHIYA, Fuminori³

¹ 東京大学, ² 宇宙研, ³ 東北大学
¹University of Tokyo, ²ISAS, ³Tohoku University

An earth-orbiting Extreme Ultraviolet (EUV) spectroscopy is the first mission of the Small scientific satellite Platform for Rapid Investigation and Test -A (Sprint-A) conducted by ISAS/JAXA. A single science instrument (EXCEED) is boarded on Sprint-A. We have started to observe the solar planets in the EUV spectral range, and will extend to the identification of extrasolar planet atmosphere.

SPRINT-A is the world's first observatory in space observing planets, Venus, Mars, Jupiter, and Saturn. Spectroscopic imaging in the spectral range of extreme ultraviolet (EUV), which cannot be observed on the ground, allows us to collect information on the atmosphere that flows into space and the magnetosphere. This enables us to analyze the composition of the atmosphere and the behavior of the magnetosphere. I will show the first light of the EXCEED and the next.

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