

## Horizontal structures of ionized Helium in the topside ionosphere of dusk side observed by ISS-IMAP/EUVI

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Horizontal structures of ionized Helium in the topside ionosphere of dusk side were obtained with the Extreme Ultra Violet Imager (EUVI) of the ISS-IMAP (Ionosphere, Mesosphere, upper Atmosphere and Plasmasphere mapping) mission. EUVI has taken image of He He II radiation (30.4 nm) from the International Space Station (ISS) since October 2012. In this work, images taken in 2013 were analyzed. North-south asymmetry and longitudinal structure of ionized Helium were found. Seasonal dependence of these horizontal structures will be discussed.

Keywords: Topside ionosphere, ISS-IMAP, Ionized Helium