

## 地球で観測される木星ヘクトメータ電波の出現特性 - サブストーム現象との関係

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### Characteristics of Jupiter's hectometric radiation observed near the earth - its relationship with Jupiter's substorm-like events

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Our research group has investigated occurrence characteristics of Jupiter's hectometric radiation (HOM) using the WIND/WAVES data to reveal its solar wind and non solar wind controls for the solar quiet period, and suggested that HOM consists of three-kind components: positively solar wind related one, negatively solar wind related one and non solar wind related one. In this study, we have made further analyses for occurrence characteristics of the latter two components to investigate causality of their intensity variations. Preliminary analyses show that the intensity variations of some HOM are closely related with occurrence of Jupiter's substorm-like events. In the presentation, we will show the precise analysis results and discuss the effectiveness of the earth-base observed HOM for the investigation of Jupiter's intrinsic variation process.

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