Occurrence characteristics and radiation mechanism of Jovian Anomalous Conitinuum

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We investigated the occurrence characteristics of Jovian Anomalous Continuum (JAC), using the Ulysses data set provided from National Space Science Data Center (NSSDC). The result shows that the upper and lower cut-off frequencies of JAC are ralated to the plasma frequency near the magnetosphere of Jupiter. We suggest the radiation mechanism that JAC is the Langmuir wave excited by energetic particles in the magnetosheath of Jupiter.