



## **Study of the modelled occurrence variability of the jovian decametric emissions**

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A recent paper by Galopeau et al. [J. Geophys. Res., 109, A12217, doi: 10.1229/2004JA010459, 2004] investigates the variation of the cyclotron maser instability efficiency at the footprint of the Io flux tube as a function of the jovian longitude. The authors derive a model which allows to determine the regions of high occurrence probability of the Io-controlled decametric emissions in the Central meridian Longitude (CML) - Io phase diagram. We discuss the location of the modelled occurrence regions versus the jovian declination. Our results are compared to the results of previous studies mainly based on ground observations. We show that the modelled and observed occurrence regions are found to present similar movements in the CML-Io phase diagram.