

# **The Effects of Pulsed Ionospheric Flows on Electromagnetic Ion Cyclotron Wave Behaviour**

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Continuous ULF pulsations, observable on the ground, in the frequency range 0.1-5 Hz (Pc1-2), may be generated through cyclotron resonant interaction with anisotropic ion populations. The features of such an observed pulsation may be indicative of the ion population source and, subsequently, the mechanism responsible for the increase in anisotropy. In this study, multiple ground station magnetometer measurements have been combined with both radar and satellite observations to discern the nature and origins of pulsations occurring during periods of pulsed ionospheric flows.