

A Study of Field Line Resonances using data from the Magnetometer Array in the Tasmania and New Zealand Region

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In order to observe ULF pulsations and its spatial distribution around the terminator, we constructed a new magnetometer array in New Zealand and Tasmania region. In February 2011 and March 2012, we installed magnetometers in Middlemarch and Te Wharau, respectively. Coordination of them and other magnetometers operated by other projects allow us to study temporal variations of frequency of field line resonances in the Tasmania and New Zealand meridian lines. In this paper, our latest results are introduced.

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