

## Observation of magnetic field variations in an ELF range(1-40Hz),especially less than 4Hz

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In order to investigate behaviour of the magnetic field variations in an ELF range (1-40 Hz), an induction magnetometer was set in the Jupiter EM Wave Observatory of Tohoku University, Kawatabi, 50 km north of Sendai. The results of data analysis show that there are enhancements in ELF magnetic activities associated with earthquakes. There are also remarkable magnetic variations in a frequency range, 2-4 Hz .