## Eh-P023

## Room: Poster

## Development of five frequency interferometer system to identify Jovian Decametric Radiation Sources

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The source identification of Jovian Decametric Radiation(JDR) on Jovian disc is an important subject to understand basic physics of the emission mechanism of JDR. Though, the interferometer is the essential technique to measure source positions, effects of terrestrial ionosphere have prevented to decide accurate direction within 50 " by the ground-based observations with two frequencies. To eliminate these effects, we have developed a five frequency interferometer system as further extension of former 3 baselines interferometer system in Tohoku University. Observations using this system have indicated the possibility for eliminating terrestrial ionospheric effects by solving equations obtained between different baselines.