Interferometer Observation by Syowa SuperDARN HF Radar (2)

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Interferometric observation has been made in the northern hemisphere SuperDARN HF radar network and has started these days in part of southern hemisphere SuperDARN network. The preparation for the interferometric observation at Syowa HF radar has been made step by step. We checked the phase difference between the two receivers using pseudo echo generator and radar operating system, Radops. After introducing a conversion function to fitacf algorism in Radops, we estimate observation accuracy. If we can start the real observation, we will show the initial results and also discuss possibility to open new research area by it as well as by new generation radar operating system(RST by JHU/APL).

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