



The role of SuperDARN in global and multi-scale studies of the magnetosphere

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The SuperDARN radar network provides measurements of the polar ionospheric convection pattern at high temporal resolution and in real time, providing a means of remotely-sensing the dynamics of the magnetosphere. This is especially powerful when combined with other ground-based and space-based instrumentation, such as auroral imagers and magnetometers, and in situ measurements of magnetospheric fields and plasmas. This talk will introduce SuperDARN and the contribution it can make and has made to global and multi-scale studies of magnetospheric processes.