

# **2012 Workshop: Geospace system response to storms**

Long title

Geospace system response at mid to high latitudes during recent geomagnetic storms

Conveners

Simon Shepherd

Phil Erickson

Description

The recent increase in solar activity has coincided with an expanded observation capability from several networks including SuperDARN, IS radars, GPS TEC, and distributed optics. The new views provided by this suite of instruments have exciting possibilities for a better understanding of SAPS, SAIDs, SAR arcs, and other phenomena as signatures of the complex M-I coupling occurring at mid- and high-latitudes during geomagnetic storms. We invite short, workshop style presentations of observations, modeling and speculation on related topics during the recent storms of 2011-2012.

Justification

The recent increase in solar activity has coincided with an expanded observation capability from several networks including SuperDARN, IS radars, GPS TEC, and distributed optics. The new views provided by this suite of instruments have exciting possibilities for a better understanding of SAPS, SAIDs, SAR arcs, and other phenomena as signatures of the complex M-I coupling occurring at mid- and high-latitudes during geomagnetic storms. We invite short, workshop style presentations of observations, modeling and speculation on related topics during the recent storms of 2011-2012.

[View PDF](#)