

Monday, December 03, 2012

SM11A. Large-Scale Ionospheric Dynamics and M-I Coupling at Midlatitudes I Posters

8:00 AM - 12:20 PM; Hall A-C (Moscone South)

SM11A-2284. Multi-Scale Observations of Plasma Conditions and Features in the Coupled Mid-Latitude Ionosphere and Plasmasphere

Philip J. Erickson, John M. Ruohoniemi, Joseph B. Baker, Sebastien de Larquier, Evan G. Thomas, Simon G. Shepherd, Anthea J. Coster

SM11A-2285. Extended observations of two-dimensional SAPS velocities

Simon G. Shepherd, Lasse Clausen, Neeraj Pramodkumar, Bharat Kunduri, John M. Ruohoniemi, Joseph B. Baker, Raymond A. Greenwald

SM11A-2286. Observations of Mid-Latitude Ionospheric Density Structures Over North America

Evan G. Thomas, Joseph B. Baker, J. M. Ruohoniemi, Anthea J. Coster

SM11D. The Effect of Transient Solar Wind Features on the Magnetosphere and the Ionosphere I Posters

8:00 AM - 12:20 PM; Hall A-C (Moscone South)

SM11D-2320. Interhemispheric Geomagnetic Field Response to Sudden Change in Solar Wind Pressure

Calvin R. Clauer, Hyomin Kim, Xia Cai, Daniel R. Weimer, Joseph B. Baker, Claudia Stolle, Juergen Matzka

SM13C. Large-Scale Ionospheric Dynamics and M-I Coupling at Midlatitudes II

1:40 PM - 3:40 PM; 2016 (Moscone West)

1:55 – 2:10 PM SM13C-02. Multi-Technique Measurements and Modeling of Storm Enhanced Densities during a Moderate Magnetic Storm on 3-4 August 2010: Connections to Low and High Latitudes

Sunanda Basu, Cesar E. Valladares, Eileen MacKenzie, Robert W. Schunk, Ludger Scherliess, Larry C. Gardner, Evan G. Thomas, J. M. Ruohoniemi

2:10 – 2:25 PM SM13C-03. Evolution of Storm-time Subauroral Electric Fields: RCM Event Simulations (*Invited*)

Stanislav Sazykin, Robert W. Spiro, Richard A. Wolf, Frank Toffoletto, Jo Baker, John M. Ruohoniemi

2:25 – 2:40 PM SM13C-04. New views of the Sub-Auroral Polarization Stream using multi-instrument observations (*Invited*)

Anthea J. Coster, Evan G. Thomas, Joseph B. Baker

SA13A. Active Experiments in Ionospheric Modification With High Power Radio Waves II Posters

1:40 PM - 6:00 PM; Hall A-C (Moscone South)

SA13A-2155. Comparison of Aspect Angle Effect on Stimulated Electromagnetic Emissions using HAARP and EISCAT facilities

Haiyang Fu, Wayne Scales, P. A. Bernhardt, Stanley J. Briczinski, Michael J. Kosch, Andrew Senior, Michael T. Rietveld, Timothy K. Yeoman, John M. Ruohoniemi

Tuesday, December 04, 2012

SM22C. SPA-Magnetospheric Physics General Contributions I

11:20 AM - 12:20 PM; 3010 (Moscone West)

11:35 – 11:50 AM SM22C-02. IMF By associated interhemispheric asymmetries in ionospheric convection and field-aligned currents
Bharat Kunduri, Jo Baker, John M. Ruohoniemi, Lasse Clausen, Aj Ribeiro

SA23B. Magnetosphere-Ionosphere-Thermosphere Coupling and Its Consequences I

1:40 PM - 3:40 PM; 2011 (Moscone West)

2:15 – 2:29 PM SA23B-03. Statistical study of the relationship between enhanced polar cap flows and PBIs
Ying Zou, Toshi Nishimura, Larry R. Lyons, Eric Donovan, J. M. Ruohoniemi, Nozomu Nishitani, George J. Sofko

SM23D. The Role of Magnetosphere-ionosphere Coupling in Producing Different Magnetospheric Convection Modes II Posters

1:40 PM - 6:00 PM; Hall A-C (Moscone South)

SM23D-2335. Dynamics of the AMPERE Region 1 Birkeland current oval during storms, substorms and steady magnetospheric convection

Joseph B. Baker, Lasse Clausen, John M. Ruohoniemi, Stephen E. Milan, Jennifer Kissinger, Brian J. Anderson, Simon Wing

SM23D-2339. Polar Electrodynamics During the 14-16 July 2012 Geomagnetic Storm

Brian J. Anderson, Viacheslav G. Merkin, Haje Korth, Lars P. Dyrud, Robin J. Barnes, John M. Ruohoniemi, Jesper W. Gjerloev, Jonathan Fentzke

Wednesday, December 05, 2012

U31A. U31A. A Community Roadmap for Discovery, Access, and Mining of Geosciences Data

8:00 AM - 10:00 AM; 102 (Moscone South)

8:30 – 8:45 AM U31A-03. Earth Cube Data Community Roadmap for Mining Services
(Invited)

Rahul Ramachandran, Sara J. Graves, Jo Baker, Stefan R. Falke

SA31C. Magnetosphere-Ionosphere-Thermosphere Coupling and Its Consequences III

8:00 AM - 10:00 AM; 2011 (Moscone West)

9:02 – 9:17 AM SA31C-05. Occurrence and Characteristics of Large-Scale SAPS Over
North America

*John M. Ruohoniemi, Neeraj Pramodkumar, Jo Baker, Bharat Kunduri,
Evan G. Thomas, Simon G. Shepherd, Lasse Clausen*

SA32A. Geospace Exploration From Antarctica I

10:20 AM - 12:20 PM; 2011 (Moscone West)

11:02 – 11:14 AM SA32A-04. Solar Storm Effects in Antarctica: Observations from Solar
Cycle 24

*Anthea J. Coster, Evan G. Thomas, Larisa Goncharenko, Allan T.
Weatherwax, Gary S. Bust*

**SA33A. SA33A. Magnetosphere-Ionosphere-Thermosphere Coupling and Its
Consequences IV Posters**

1:40 PM - 6:00 PM; Hall A-C (Moscone South)

SA33A-2162. High-Latitude Poynting Flux from SuperDARN and AMPERE

*Ethan S.S. Miller, Elsayed R. Talaat, Robin J. Barnes, Brian J. Anderson, Philip J. Erickson,
Thomas Sotirelis, Larry J. Paxton, William A. Bristow, J. M. Ruohoniemi, Simon G. Shepherd*

SA33A-2178. Structuring of the ionospheric convection flows associated with enhanced solar
wind ULF fluctuations

Victor A. Pinto; Hee-Jeong Kim; J. M. Ruohoniemi; Larry R. Lyons

SA33A-2179. Statistical features of the high-latitude ionospheric convection structure associated
with enhanced solar wind fluctuations

Hee-Jeong Kim, Larry R. Lyons, John M. Ruohoniemi, Nathaniel A. Frissell

SA33A-2180. COORDINATED SuperDARN-THEMIS ASI OBSERVATIONS of
MESOSCALE FLOW BURSTS ASSOCIATED WITH AURORAL STREAMERS

Beatriz I. Gallardo-Lacourt; Toshi Nishimura; Larry R. Lyons; Vassilis Angelopoulos; Eric Donovan; Kathryn A. McWilliams; John M. Ruohoniemi; Nozomu Nishitani

Thursday, December 06, 2012

**SA41A. Gravity Wave Effects in the Mesosphere, Thermosphere, and Ionosphere III
Posters**

8:00 AM - 12:20 PM; Hall A-C (Moscone South)

8:00 – 8:00 AM SA41A-2052. Traveling Ionospheric Disturbances Observed by
Midlatitude SuperDARN Radars
*Nathaniel A. Frissell, Joseph B. Baker, John M. Ruohoniemi, Mary L.
West, William A. Bristow*