Space Weather Workshop

Millennium Hotel – Boulder, CO April 24 - 27, 2012

Poster Layout

Posters may be on display from Tuesday morning through Thursday afternoon. We request that authors be in attendance at their posters during the poster session on the day indicated below.

Solar and Interplanetary Research and Applications (Tuesday)

Fry, Craig (Ghee) (Exploration Physics International, Inc.)

Poster Number: S-1

Poster - The Radiation, Interplanetary Shocks, and Coronal Sources (RISCS) Toolset

Thompson, Barbara J. (NASA Goddard Space Flight Center)

Poster Number: S-2

Poster - Space Weather Living History: Connecting the Pioneers, Current Leaders and the Nature of Space

Weather with the Public

Thompson, Barbara J. (NASA Goddard Space Flight Center)

Poster Number: S-3

Poster - Comparison of Prominence Structures with Instances of Flux Rope CMEs in STEREO Data

Scherrer, P. H. (HEPL, Stanford University)

Poster Number: S-4

Poster - Helioseismology Data Products from SDO for Space Weather Research

Bobra, Monica (Stanford University)

Poster Number: S-5

Poster - SHARPs - A New Near-Real-Time Space Weather Data Product from Solar Dynamics Observatory

Murphy, Joshua (University of Colorado)

Poster Number: S-6

Poster – Developing New 3D Visualization Tools for the CISM Models

Krista, Larisza D. (NOAA/SWPC)

Poster Number: S-7

Poster - The Automated Detection and Analysis of Short-term Changes in Coronal Dimmings

Arge, Charles N. (Air Force Research Laboratory)

Poster Number: S-8

Poster – Wang Sheeley Arge-Coronal Analysis Tool (WSA-CAT)

Falconer, David (UAH/NSSTC/MSFC)

Poster Number: S-9

Poster – Forecasting Space Weather from Magnetograms

Zucca, Pietro (Trinity College Dublin)

Poster Number: S-10

Poster - SolarMonitor.org: Providing access to Solar and Space Weather Data in Near-Realtime

Zucca, Pietro (Trinity College Dublin)

Poster Number: S-11

Poster – Observations of Low Frequency Solar Radio Bursts from the Rosse Solar-Terrestrial Observatory

Bloomfield, D. Shaun (Trinity College Dublin)

Poster Number: S-12

Poster - Max Millennium Program, Major Flares, & Your Own Observing Plan

Bloomfield, D. Shaun (Trinity College Dublin)

Poster Number: S-13

Poster - Solar Flare Forecasting: From Probabilities to Targeted Predictions

Fisher, George H. (Space Sciences Laboratory, UC Berkeley)

Poster Number: S-14

Poster – Global Forces in Eruptive Solar Flares: The Lorentz Force Acting on the Solar Atmosphere and the Solar

Interior

Steward, Graham A. (IPS Radio and Space Services)

Poster Number: S-15

Poster - Automatic Recognition of Complex Magnetic Regions on the Sun in GONG Magnetogram Images and

Prediction of Flares: Techniques for the Flare Warning Program Flarecast

Henney, Carl (Boston College)

Poster Number: S-16

Poster - Solar Flare Detection with SWIFT and GONG H-alpha Images

Henney, Carl (Boston College)

Poster Number: S-17

Poster - Forecasting F10.7 with ADAPT

Jeong, Cheol-Oh (ETRI) Poster Number: S-18

Poster - Windband Solar Radio Flux Monitor

Zhong, Qiuzhen (National Space Science Center)

Poster Number: S-19

Poster - SPE Warning Research Based on Real-Time Energetic Particles Flux Data from ACE Satellite

Oh, Suyeon (Chungnam National University)

Poster Number: S-20

Poster - Forecast of Solar Proton Radiation Intensity Using South Pole Neutron Monitor

Kim, Jung-Hoon (SETsystem, Inc.)

Poster Number: S-21

Poster - Introducing Solar Wind Observing Facility: Korean IPS Array

Davis, Chris (STFC Rutherford Appleton Laboratory)

Poster Number: S-22

Poster - HAGRID - a Low-cost Heliospheric Imager Mission for Operational Space Weather

Jackson, Bernard V. (CASS/UCSD)

Poster Number: S-23

Poster - The 3-D Forecast of Inner Heliosphere Solar Wind Parameters from Remote-sensing and In-situ Data

General Research and Operations (Wednesday)

Lanzerotti, Louis (New Jersey Institute of Technology)

Poster Number: G-1

Poster – Space Weather: The International Journal of Research and Applications

Bonadonna, Michael F. (Office of the Federal Coordinator for Meteorology)

Poster Number: G-2

Poster - The National Space Weather Program: Implementing National Capability

Kim, Dohyeong (Korea Meteorological Administration)

Poster Number: G-3

Poster - Current Status and Future Plan for Space Weather Operation in KMA

Kim, Yeon-Han (Korea Astronomy and Space Science Institute)

Poster Number: G-4

Poster - Recent Space Weather Activities in KASI

Shi, Ligin (Chinese Academy of Science)

Poster Number: G-5

Poster - Space Environment Monitoring Network in Chinese Academy of Sciences

Xue, Bingsen (China Meteorological Administration)

Poster Number: G-6

Poster - Recent Progress in Space Weather Forecast in CMA

Spann, James F. (NASA/MSFC)

Poster Number: G-7

Poster - Lessons Learned from Successful Earth Science Research-to-Applications Efforts

Zanetti, Lawrence J. (Johns Hopkins University)

Poster Number: G-8

Poster – Advanced Techniques for Space Weather Predictions

Clark, Richard D. (Millersville University)

Poster Number: G-9

Poster - From Weather to Space Weather: Proficiencies for the Undergraduate

Hapgood, Mike (STFC Rutherford Appleton Laboratory)

Poster Number: G-10

Poster – ESPAS, the Near-Earth Space Data Infrastructure for e-Science

Knipp, Delores J. (University of Colorado)

Poster Number: G-11

Poster – Undergraduate Textbook: Understanding Space Weather and the Physics Behind It

Wiltberger, Michael (NCAR/HAO)

Poster Number: G-12

Poster - The Space Weather Summer School by The Center for Integrated Space Weather Modeling

Meier, Matthias M. (DLR - German Aerospace Center)

Poster Number: G-13

Poster – The Importance of Space Weather Awareness in Airborne Radiation Monitoring after the Nuclear

Disaster of Fukushima

Magnetospheric Research and Applications (Wednesday)

Liu, Siqing (Center for Space Science and Applied Research)

Poster Number: M-1

Poster - Improvement of Geomagnetic Disturbance Level Forecast Skill

Love, Jeffrey J. (USGS Geomagnetism Program)

Poster Number: M-2

Poster – Geomagnetic Detection of the Sectorial Solar Magnetic Field and the Historical Peculiarity of Minimum 23–24

DiTommaso, Joseph H. (University Of Alaska, Fairbanks)

Poster Number: M-3

Poster – Analysis of Ground-Based Magnetometer Data for Regional Correlation and Space Wx Risk Assessment

Welling, Daniel (University of Michigan)

Poster Number: M-4

Poster – Synthetic KP Index from Global Magnetohydrodynamics

Hampton, Donald L. (University of Alaska Fairbanks)

Poster Number: M-5

Poster - Using Auroral Patch Motion to Measure Magnetospheric Convection - Preliminary Results

Urban, Kevin (New Jersey Institute of Technology)

Poster Number: M-6

Poster – Synoptic-scale Magnetometer Observations of the Open-closed Field Line Boundary

Connor, Hyun Ju (University of New Hampshire)

Poster Number: M-7

Poster - Cusp Ion Structures and their Relation to Dayside Reconnection

Darnel, Jonathan (NGDC/CIRES)

Poster Number: M-8

Poster - Implementation of Space Environmental Anomalies Expert System Real Time

Tschan, Christopher R. (Aerospace Corporation)

Poster Number: M-9

Poster - Methodology to Determine System Sensitivity to Space Weather

Lohmeyer, Whitney (Massachusetts Institute of Technology)

Poster Number: M-10

Poster - A Correlation of Space Weather Events to GEO Satellite Anomalies for Improved Fleet System

Performance

Rachman, Abdul (LAPAN)

Poster Number: M-11

Poster – The Study of the Relation Between Space Weather and Satellite Anomalies in Indonesia

Rigler, E. Joshua (HAO/NCAR)

Poster Number: M-12

Poster - Identifying Space Weather Events Using a Multichannel Statistical Classifier

Fennell, Joseph (The Aerospace Corporation)

Poster Number: M-13

Poster - Charge Deposition Behind Known Shielding in Highly Inclined Orbits

Hartley, David (Lancaster University)

Poster Number: M-14

Poster - Electron Observations at GEO During the High Speed Stream (HSS) Commencing on January 6th 2011

Rodriguez, Juan V. (NOAA/NGDC - CIRES)

Poster Number: M-15

Poster - New Space Weather Particle and Magnetic Field Products at NGDC

Kress, Brian T. (Dartmouth College)

Poster Number: M-16

Poster - Geomagnetic Cutoffs at Synchronous Altitude Revisited

Min, Kyungguk (New Jersey Institute of Technology)

Poster Number: M-17

Poster – Properties of Electromagnetic Ion Cyclotron Waves Measured by the THEMIS Mission

Nedie, Abiyu (University of Alberta)

Poster Number: M-18

Poster - A Field Line Resonance Excited by a Solar Wind Driven Magnetopause Oscillation: Observation and

Modelling

Ionospheric Research and Applications (Thursday)

Chen, Yanhong (Center for Space Science and Applied Research)

Poster Number: I-1

Poster - The Ionosphere Application Research in Space Environment Prediction Center, CSSAR

Berdermann, Jens (DLR - German Aerospace Center)

Poster Number: I-2

Poster - Recent Efforts Towards an Ionospheric Monitoring and Prediction Center at the German Aerospace

Center

Paxton, Larry J. (JHU/APL)

Poster Number: I-3

Poster – Operational Space Weather from UV Sensing: Current Capabilities and the Way Forward

Zhang, Yongliang (Johns Hopkins University)

Poster Number: I-4

Poster – A Solar Wind and IMF Driven Empirical Model of Precipitating Electrons in Auroral Oval

McCrea, Ian (STFC Rutherford Appleton Laboratory)

Poster Number: I-5

Poster - EISCAT 3D: A Three-dimensional Imaging Radar for Atmospheric and Geospace Research

Meehan, Jennifer (Utah State University)

Poster Number: I-6

Poster - Improvements to GPS and Communication Technology at USU SWC

Messerotti, Mauro (INAF-Astronomical Observatory of Trieste)

Poster Number: I-7

Poster - Solar Radio Frequency Interferences to GPS Networks: Analysis of the 24 September 2011 Event

Pi, Xiaoqing (Jet Propulsion Laboratory, California Institute of Technology)

Poster Number: I-8

Poster – Impact of the COSMIC-2 Mission on Global Assimilative Ionospheric Modeling

Yue, Xinan (UCAR/COSMIC)

Poster Number: I-9

Poster - Global Ionospheric Electron Density Reanalysis by Multi-Source Data Assimilation

Maruyama, Naomi (NOAA/SWPC and CU/CIRES)

Poster Number: I-10

Poster – Ionosphere and Plasmasphere Electrodynamics (IPE) Model

Ozhogin, Pavel (University of Massachusetts - Lowell)

Poster Number: I-11

Poster – Field-aligned Distribution of the Plasmaspheric Electron Density: An Empirical Model Derived from the

IMAGE RPI Measurements

Cesaroni, Claudio (Istituto Nazionale Geofisica e Vulcanologia)

Poster Number: I-12

Poster - Improvements on Ionospheric E-F Valley Model Using Extraordinary Ray: A Preliminary Study

Aggarwal, Malini (Korea Astronomy and Space Science Research Institute)

Poster Number: I-13

Poster - Multi-technique Observation of Ionospheric Irregularities During Disturbed Period

Kinrade, Joseph (University of Bath)

Poster Number: I-14

Poster – First Results from a GPS Scintillation Receiver and Co-located All-sky Imager at the Geographic South

Pole

Danskin, Donald (Natural Resources Canada)

Poster Number: I-15

Poster – Radio Wave Absorption Measured During Extreme Proton Events of 2012

Huang, Yanshi (University of Texas at Arlington)

Poster Number: I-16

Poster - Altitudinal Distribution of Joule Heating and its Influence on the thermosphere

Kataria, Dhirendra (University College London)

Poster Number: I-17

Poster – Nanosatellites for In-situ Studies of the Earth's Ionosphere and Thermosphere – Exploiting the QB50

Mission Opportunity for Space Weather Science

Li, Wenhui (University of New Hampshire)

Poster Number: I-18

Poster - Thermospheric Density Enhancements During Quiet Time and Storm Time -comparisons Between

OpenGGCM-CTIM and CHAMP Observations

Kwak, Young-Sil (Korea Astronomy and Space Science Institute)

Poster Number: I-19

Poster - Variation of the Hemispheric Asymmetry of the Equatorial Ionization Anomaly with Solar Cycle

Scotto, Carlo (Istituto Nazionale di Geofisica e Vulcanologia)

Poster Number: I-20

Poster - No Evidence of Long Term Changes of hmF2 in the Ionospheric Data Records

Gentile, Louise C. (Air Force Research Laboratory)

Poster Number: I-21

Poster - C/NOFS Highlights 2012

Thompson, Donald C. (Air Force Research Laboratory)

Poster Number: I-22

Poster – Space Environmental NanoSat Experiment (SENSE)