

25 June 2007 Monday 4-7 pm CEDAR Poster Session #1

(29 of 62 posters in competition)

- EQU** Equatorial Ionosphere or Thermosphere (4 of 7 posters in competition)
LTV Long-Term Variations of Upper Atmosphere (0 of 2 posters in competition)
MID Midlatitude Ionosphere or Thermosphere (3 of 6 posters in competition)
STI Solar Terrestrial Interactions in the Upper Atmosphere (2 of 7 posters in competition)
VIZ Data Management and Visualization (0 of 2 posters in competition)
MAN Mannucci: I-T from Space (1 of 2 posters in competition)
POI Polar Ionosphere (3 of 4 posters in competition)
MET Meteor Science Other Than Wind (3 of 4 posters in competition)
PLA Planetary Studies (1 of 1 posters in competition)
IIR Irregularities of the Ionosphere/Thermosphere and Ionospheric Heating Experiments
(1 of 6 posters in competition)
GWI Ionospheric Gravity Waves (3 of 3 posters in competition)
ITI Instruments or Techniques for Ionospheric or Thermospheric Observation
(7 of 12 posters in competition)
NEW New Instrumentation (1 of 6 posters in competition)

Equatorial Ionosphere or Thermosphere

- **EQU-01**, Matthew A. Hei, Stormtime Equatorial Electrodynamics: The Superfountain Effect, Non-student
- **EQU-02**, Patrick Alken, Spatio-temporal characterization of the equatorial electrojet from CHAMP, Oersted, and SAC-C satellite magnetic measurements, Student IN poster competition, Masters
- **EQU-03**, Tzu-Wei Fang, Equinoctical Asymmetry of the Vertical Drift in Pre-reversal Enhancement, Student IN poster competition, PhD
- **EQU-04**, Narayan P. Chapagain, Studies of Early Night Equatorial Spread F Over Jicamarca, Student IN poster competition, PhD
- **EQU-05**, Edgardo E. Pacheco, Latitude/Apex height Variations in the Ion Vertical Drift observed by ROCSAT-1, Student IN poster competition, PhD
- **EQU-06**, Ronald Ilma, Jicamarca observations during November 2004 superstorm, Non-student
- **EQU-07**, Trevor Garner, Observations of the Equatorial Anomaly Peaks using the COSMIC Radio Beacon, Non-student

Long-Term Variations of Upper Atmosphere

- **LTV-01**, Yong Ha Kim – presented by Geonhwa Jee, Preliminary analysis of the observations from the Meteor Radar installed at King Sejong Station, Antarctica, Non-student
- **LTV-02**, Susan Marcelle Nossal, Geocoronal Hydrogen Observations from Three Solar Minimums, Non-student

Midlatitude Ionosphere or Thermosphere

- **MID-01**, David J. Pawlowski, Global Model Comparisons with Millstone Hill, Student IN poster competition, PhD
- **MID-02**, Preeti Bhaneja, Midlatitude Spread F, Student IN poster competition, PhD
- **MID-03**, Edwin J Mierkiewicz, Geocoronal hydrogen Balmer alpha and Balmer beta observations obtained with WHAM, Non-student
- **MID-04**, Lara Waldrop Photoelectron impact excitation of OI 844.6 nm emission observed from Arecibo Observatory, Non-student

- **MID-05**, Mariangel Fedrizzi, Sources of F-region height changes during geomagnetic storms, Non-student
- **MID-06**, Ja Soon Shim, Spatial Correlations of Day-to-Day Ionospheric Total Electron Content Variability Obtained from Ground-Based GPS, Student IN poster competition, PhD

Solar Terrestrial Interactions in the Upper Atmosphere

- **STI-01**, Barbara Emery, Seasonal and Solar Flux Variations in the Electron and Ion Auroral Inputs, Non-student
- **STI-02**, Michael Alexander Danielides, Effects of auroral precipitation on high-latitude ion upwelling, Non-student
- **STI-03**, Xiaohua Fang, Changing energetic ion precipitation patterns during sawtooth oscillations, Non-student
- **STI-04**, Shasha Zou, High-Time Resolution Dayside Convection Monitoring by Incoherent Scatter Radar and Sample Application, Student IN poster competition, Masters
- **STI-05**, Young-Sil Kwak, Dependence of the High-Latitude Thermospheric Density on the Interplanetary Magnetic Field, Non-student
- **STI-06**, Clara Narvaez, Case study of upper atmospheric neutral, Student IN poster competition, Undergraduate
- **STI-07**, Yue Deng, Analysis of thermospheric response to magnetospheric inputs, Non-student

Data Management and Visualization

- **VIZ-01**, Brian Jackel, Global Auroral Imaging Access, Non-student
- **VIZ-02**, Brandon Taylor, Detecting Subauroral Polarization Streams in DMSP Satellite Data, Student NOT in poster competition, Undergraduate

Mannucci: I-T from Space

- **MAN-01**, Michi Nishioka, Temporal and spatial variations of plasma bubble studied with global GPS-TEC data, Student IN poster competition, Masters
- **MAN-02**, Richard Eastes, Global-scale Observations of the Limb and Disk (GOLD), Non-student

Polar Ionosphere

- **POI-01**, Craig Heinselman, Poker Flat AMISR Observations during the first three months of the IPY, Non-student
- **POI-02**, Stephen Capozzi, Estimating Energy Flux in the Earth's Polar Ionosphere from Incoherent Scatter Radar Measurements, Student IN poster competition
- **POI-03**, Matthew Zettergren, The Aeronomy of Auroral Ion Upflow, Student IN poster competition, PhD
- **POI-04**, Robert G. Michell, Ground-based observations of auroral downward-current region processes, Student IN poster competition, PhD

Meteor Science Other Than Wind

- **MET-01**, Stanley Briczinski, Size does matter – The effect of radar wavelength on meteor results from high latitude observations, Student NOT in poster competition, PhD
- **MET-02**, Akshay Malhotra, A Radio Science Perspective on Long Duration Meteor Trails, Student IN poster competition, PhD
- **MET-03**, Jonathan Fentzke, A semi-empirical model of the contribution from sporadic meteoroid sources on the meteor input function observed at Arecibo, Student IN poster competition PhD

- **MET-04**, Elizabeth Bass, Evaluating Mass Estimates from HPLA Radar Observations, Student IN poster competition, PhD

Planetary Studies

- **PLA-01**, Michael R Line, Velocity Resolved Observations of the Extended Lunar Sodium Tail, Student IN poster competition, Undergraduate

Irregularities of the Ionosphere/Thermosphere and Ionospheric Heating Experiments

- **IIR-01**, Greg Twork, Implementation of a Fabry-Pérot Interferometer, Student IN poster competition Undergraduate
- **IIR-02**, Jeffrey Spaleta, Analysis of Ionospheric Reflections During High Power, Short RF Pulse Experiments Conducted at HIPAS, Alaska, Non-student
- **IIR-03**, Richard Todd Parris, Imaging with the SuperDARN HF radar on Kodiak Island, Student NOT in poster competition, PhD
- **IIR-04**, Gwendolyn R Bryson, Improving SuperDARN Spatial Resolution, Student NOT in poster competition, Masters
- **IIR-05**, Tatsuhiro Yokoyama, Three-Dimensional Simulation of Midlatitude Ionospheric Irregularities in Coupled E and F Regions, Non-student
- **IIR-06**, Carlos Martinis, Imaging studies of ionospheric irregularities in the American sector and conjugate observations, Non-student

Ionospheric Gravity Waves

- **GWI-01**, Dorey Joseph Livneh, Omnipresent Quasi-Periodic Waves in the F-region?, Student IN poster competition, PhD
- **GWI-02**, Roger Hale Varney, Observations of Electric Fields Associated with Internal Gravity Waves, Student IN poster competition Undergraduate
- **GWI-03**, Ilgin Seker, Clues to the 3D Structure of MSTID Bands Using ISR and Allsky Imaging, Student IN poster competition, PhD

Instruments or Techniques for Ionospheric or Thermospheric Observation

- **ITI-01**, Lin Li , Vacuum Calibrations of the Cold Cathode Gauges in HEX-2 Mission, Student NOT in poster competition, PhD
- **ITI-02**, Marcos Diaz Particle-In-Cell Simulation of the Incoherent Scatter Radar Spectrum, Student IN poster competition, PhD
- **ITI-03**, Jeffrey Klenzing, Modeling Plasma Interactions with Satellite-Borne Instrumentation, Student IN poster competition, PhD
- **ITI-04**, Chad G. Carlson, A 1083 nm lidar for observations of temperature in the upper thermosphere, Student IN poster competition, PhD
- **ITI-05**, Konstantinos Kalogerakis, Remote O(3P) Sensing by Ionospheric Excitation (ROSIE), Non-student
- **ITI-06**, Feng Han, The influence of high-energy electron precipitation on the midlatitude nighttime D region, Student IN poster competition, Masters
- **ITI-07**, Fabiano S. Rodrigues, Improved electron density profile estimation at Jicamarca, Student IN poster competition, PhD
- **ITI-08**, Fabiano S. Rodrigues, Recent observations of the proton gyroresonance at Jicamarca, Student NOT in poster competition, PhD
- **ITI-09**, Bill Wright – presented by Nick Zobotin, Transmitting Antennas for Modern Ionosondes, Non-student

- **ITI-10**, Nick Zobotin, Line-of-sight Doppler and vector velocity relationships for HF sounding in the equatorial ionosphere, Non-student
- **ITI-11**, Romina Nikoukar, Investigation of a new incoherent scatter coding technique for F-region observations at the Arecibo Observatory, Student IN poster competition, PhD
- **ITI-12**, Eliana Nossa, Focal Phased Array Prototype for the Arecibo Telescope, Student IN poster competition, PhD

New Instrumentation

- **NEW-01**, Zhen Zeng, Ionospheric annual variations observed by the COSMIC radio occultation technique and simulated by the TIEGCM, Non-student
- **NEW-02**, Christopher Watts, Reconstructing the Ionosphere for the Long Wavelength Array, Non-student
- **NEW-03**, Scott E. Palo, Drag and Atmospheric Neutral Density Explorer (D A N D E), Non-student
- **NEW-04**, Zachary Berkowitz, ISIS multi-antenna operation and calibration, Student NOT in poster competition, Master
- **NEW-05**, Matthew Sunderland, Optimizations for Digital Radar Receivers, Student NOT in poster competition, Undergraduate
- **NEW-06**, Elizabeth Silvestre, Distributed Observatory in South America of Ionospheric Measurements and Current Status, Non-student