Thursday

Poster Id	Presenter Name	Poster Title
Global System Modeling (GSM)		
1	Anthony Sciola	CGS: First look at the new MAGE inner magnetosphere model
2	Michael Wiltberger	CGS: Community Utilization of Multiscale Atmosphere Geospace Environment Model Results
3	Harry Arnold	CGS: Data Mining Inspired Resistivity in Global MHD Substorm Simulations
4	Kareem Sorathia	CGS: Multiscale Magnetosphere-Ionosphere Coupling During Stormtime: A Case Study of the Dawnside Current Wedge
5	Xueling Shi	CGS: Causes of intense geomagnetic and geoelectric field perturbations: observations and MAGE simulations
6	Slava Merkin	CGS: A NASA DRIVE Science Center Transforming the Understanding and Predictability of Space Weather
7	Raman Mukundan	A Regional dB/dt Forecast Using Deep Learning and Spherical Elementary Current Systems
8	Erika Hathaway	An Extended Metric Analysis of SWMF Ionosphere Models on Estimating FACs
9	Hsinju Chen	Impact of Plasma Mass Density on the Magnetosphere Configuration: A Multifluid Approach to Determining N+/O+ Composition in the Near-Earth Region
10	Raymond Walker	Ion Dynamics from Magnetotail Reconnection to the Inner Magnetosphere
11	Austin Smith	Juno Data -GAMERA Model Comparisons of Jupiter's Magnetosphere
12	El Vandegriff	Localized Geomagnetic Disturbance Forecasting: Evaluating Physics and Numerics in Global Models
13	Konstantinos Horaites	Magnetospheric Response to a Pressure Pulse in a Three-dimensional Hybrid-Vlasov Simulation
14	Timothy Keebler	PIC Reconnection vs. MHD Numerical Reconnection: Comparison During Extreme Events
15	Tre'Shunda James	Quantifying the Ability of Magnetohydrodynamic Models to Reproduce Observed Ionospheric Current Magnitudes
16	Austin Brenner	Quantifying the Dungey Cycle at Earth's Magnetosphere
17	Muhammad Bilal Khan	Statistical study of magnetic reconnection in two-dimensional MHD turbulence
18	Liutauras Rusaitis	The Formation of the Ring Current in the Multi-Scale Simulation
19	Qusai Al Shidi	Uncertainties in Geomagnetic Indices due to Solar Wind Propagation
Magnetosphere - Ionosphere Coupling (MIC)		
20	Robert Albarran	CGS: Multi-Fluid Modeling of Ionospheric Outflows with the Multiscale Atmosphere-Geospace Environment
21	Wenbin Wang	CGS: Effects of subauroral polarization streames (SAPS) on global thermosphere and ionosphere
22	William Lotko	CGS: Poleward propagating Alfvénic disturbances stimulated by flux transfer events
23	Dong Lin	CGS: Dragon King: The Auroral Precipitation Module in the Multiscale Atmosphere-Geospace Environment (MAGE) Model
93	Mei-Yun Lin	Unraveling the Plasma Composition in the Earth's Polar Wind: The Critical Role of Heavy Ions
Magnetotail and Plasma Sheet (MPS)		
30	Laura Fryer	3D GUMICS simulations of northward IMF magnetotail structure
25	Jeremy Dargent	Cold ionospheric ion in magnetotail magnetic reconnection: Energy budgets
26	Tyler Metivier	Contrasting Dipolarization Front Structure and Dynamics with MMS
27	Elvis Fusina	Effects of O+ ions on Magnetotail reconnection
28	Xu Zhang	Excitation of electron cyclotron harmonic waves by electron beams in PIC simulations
29	Alexandra Volkova	Numerical study of ion and electron heating in asymmetric reconnection
24	Harry Arnold	PIC simulations of overstretched ion-scale current sheets in the magnetotail
31	Xiantong Wang	Plasma heating and acceleration in Bursty Bulk Flows: MHD with Embedded Particle-in-Cell simulation
32	Young Dae Yoon	Relaxation process of disequilibrated current sheets viewed through phase space
40	Alexander Lukin	Rising and falling tone chorus waves in the magnetotail: MMS survey
34	Sanjay Kumar	Statistical study of Earth's magnetotail during different phases of substorms
35	Krushna Chandra Barik	Statistics of energy transport in Earth's magnetotail: a MMS study
36	Anusree Devanandan	CGS: A Statistical Study of Regions of Enhanced Ion Temperatures in the Magnetotail in the TWINS Ion Temperature Maps
37	Joel Tibbetts	CGS: Simulated Energetic Neutral Atom Imaging of a Modeled Magnetosphere
33	Sanjay Chepuri	Testing Adiabatic Models of Energetic Electron Acceleration at Dipolarization Fronts
41	Jeff Morgenthaler	The Io Input/Output observatory (IoIO): providing a comprehensive, long-term record of plasma flow in Jupiter's magnetosphere since 2017
42	Akhtar Ardakani	Understanding O+ Effects on Earth's Magnetotail Dynamics: Exploring Global, Meso, and Micro Scale Impacts
43	Jing Liao	Estimates of Ion input and outpus within the plasma sheet before entering the inner magnetosphere
Solar Wind - Magnetosphere Interaction (SWMI)		
44	Kylie Sullivan	An Investigation into Far-Flank Reconnection at the Earth's Magnetopause
45	Hector Salinas	Analysis of Electric Current Structures in the Magnetosheath
46	Opal Issan	Bayesian Inference and Global Sensitivity Analysis for Ambient Solar Wind Forecasts
47	Anansa Keaton-Ashanti	Case studies of particle acceleration in magnetosheath turbulence behind quasi-parallel and oblique shocks
48	Nii-Boi Quartey	Crustal Field Inclusion of the Dawn-Dusk Asymmetry of the Mars Magnetotail Current Sheet
49	Kris Pritchard	Electron Diffusion Region Reconnection Rate: Absolute or Evolving Value?
50	Espen Fredrick	Determining the reliability of OMNI data to predict solar wind conditions at Earth
51	Cole Dorman	Development of Self-Calibrating Magneto-inductive Sensor for Spaceflight Constellations
52	Krishna Khanal	Dependence of the spatial extent of magnetopause reconnection on solar wind driving conditions