

Monday, September 22, 2008

Primary Session

10:00-12:10

Pre-Workshop Sessions as Separately Announced

12:10-13:30

Lunch Break

13:30-17:00

Pre-Workshop Sessions as Separately Announced

Tuesday, September 23, 2008

Primary Session

8:30-10:30

Solar Wind/Bow Shock I

8:30-8:45

CONVENERS: WELCOME

8:45-9:00

M. A. Lee: Current Issues and Puzzles at Earth's Bow Shock

9:05-9:20

K. Meziane, et al.: Do Shock Normal Fluctuations Account for FAB Thermal Energy?

9:25-9:37

B. Lefebvre, S. Schwartz: Cluster Observation of a Reforming Oblique Shock

9:40-9:52

B. Miao, et al.: Remote Sensing of Local Structure of the Quasi-Perpendicular Earth's Bow Shock by Using Field-Aligned Ion Beams

9:55-10:07

J. Safrankova, et al.: Magnetopause and Bow Shock Locations: THEMIS Observations

10:10-10:25

N. Omid: An Overview of Ion Foreshock Processes

10:30-10:45

Coffee Break

10:45-12:00

Solar Wind/Bow Shock II

10:45-10:57

T. Phan, et al.: Themis Multi-Spacecraft Observations of Solar Wind and Magnetosheath Reconnection

11:00-11:12

N. C. Maynard, et al.: Cluster Observations of Fast Shocks in the Magnetosheath Launched as a Tangential Discontinuity

11:15-11:27

M. L. Goldstein, et al.: Using the Four Cluster Spacecraft to Explore Magnetofluid Turbulence

11:30-11:42

F. Sahraoui, M. Goldstein: Diagnosis of Magnetic Structures and Intermittency in Space Plasma Turbulence Using the Method of Surrogate Data

11:45-11:57

12:00-13:30

Lunch Break

13:30-14:30

Solar Wind/Bow Shock III

13:30-13:42	R. E. McGuire , Overview of SPDF Data and Services Supporting THEMIS and Cluster Analysis
13:45-13:57	J. Merka, et al. : Behind-the-Scenes Look at the Virtual Magnetospheric Observatory
14:00-14:12	R. J. Walker, et al. : CLUSTER, THEMIS and the Virtual Magnetospheric Observatory
14:15-14:27	R. Mutel, et al. : Terrestrial AKR Characteristics Determined from CLUSTER: Implications for Jovian Planets and Stellar CMI Sources
14:30-15:00	Dayside I
14:30-14:42	J. Chen : Charged Particle Energization by Cyclotron Resonant Acceleration in the Magnetospheric Cusp
14:45-14:57	K. J. Trattner, et al. : Energetic Ions in the Cusp and Dayside Boundary Layer
15:00-15:30	Coffee Break
15:30-17:00	Dayside II
15:30-15:42	G. Parks, et al. : Transport of Transient Solar Wind Particles in Earth's Cusps
15:45-15:57	C. P. Escoubet, et al. : Evolution of Ion Dispersions Observed by Cluster in the Polar Cusp
16:00-16:12	J. Berchem, et al. : Response of the Dayside Magnetosphere to an Abrupt Change in the IMF Direction: Cluster Observations and Global Simulations
16:15-16:27	R. J. Strangeway, et al. : FAST-THEMIS Observations in the Dayside Cusp-Cleft Region
16:30-16:42	
16:45-16:57	

Wednesday, September 24, 2008

8:30-10:00	Dayside III: Magnetopause I
8:30-8:42	J. Dorelli : On the Scaling of the Subsolar Magnetopause Parallel Electric Field: Resistive MHD Theory
8:45-8:57	B. Sonnerup, W.-L. Teh : MHD-Based Reconstruction of a Reconnection Event Seen by Cluster at the Magnetopause
9:00-9:15	Y. V. Khotyaintsev, et al. : Microphysics of Magnetic
9:20-9:35	Z. Y. Pu : Double Star and Reconnection
9:40-9:52	T. Phan, et al. : THEMIS Burst Mode Observations of Kinetic Signatures of Magnetopause Reconnection

10:00-10:15

Coffee Break

10:15-12:05

Dayside IV: Magnetopause II

10:15-10:27

F. Plaschke, et al.: Standing Alfvén Waves at the Magnetopause

10:30-10:42

Z. Nemecek, et al.: THEMIS: Structure and Thickness of the LLBL

10:45-10:57

W. Li, et al.: Cold Dense Magnetopause Boundary Layer Under Northward IMF: Results from THEMIS and MHD Simulations

11:00-11:12

M. G. G. T. Taylor, et al.: Magnetopause Boundary Layers I Have Known, Missed, Lost, Loved and in Some Cases Come to Hate

11:15-11:27

E. J. Lund, et al.: Field-Aligned Current Systems and Momentum Transfer in the High-Latitude Boundary Layer

11:30-11:42

M. W. Dunlop, et al.: Conjugate Response of the Dayside Magnetopause and Dawn/Dusk Flanks Using Cluster-THEMIS Conjunctions and Coordinated Ground-Based Observations

11:45-12:00

R. Z. Sagdeev: Mirror and Weibel Instabilities: Similarity and Nonlinear Dynamics

12:05-13:30

Lunch Break

13:30-15:30

Dayside V: Transients and FTEs

13:30-13:42

C. J. Farrugia, et al.: Two-Stage Oscillatory Response of the Magnetopause to a Current/Vortex Sheet Followed by Northward IMF: Cluster Observations

13:45-13:57

H. Zhang, et al.: Dynamic Motion of Bow Shock and Magnetopause and the Magnetospheric Response? THEMIS Observations

14:00-14:12

K. S. Jacobsen, et al.: THEMIS Observations of Extreme Magnetopause Motion Caused by a Hot Flow Anomaly

14:15-14:27

S. Eriksson, et al.: FTE Dynamics and Effects on Local and Remote Regions Near the Dayside Magnetopause Reconnection Layer

14:30-14:42

M. M. Kuznetsova, et al.: Three-Dimensional Signatures of Intermittent Magnetic Reconnection in Global Simulations of Dayside Magnetosphere Dynamics

14:45-14:57

P. Robert, et al.: Relation Between Electromagnetic Waves and Electron Heating Inside an FTE

15:00-15:12	R. C. Fear, et al.: Simultaneous Observations of Flux Transfer Events by THEMIS, Cluster and SuperDARN
15:15-15:27	C. Foullon, et al.: Evolution of Kelvin-Helmholtz Activity on the Dusk Flank Magnetopause
15:30-15:50	Coffee Break
15:50-16:55	Tail/Substorm I
15:50-16:02	S. Frey, et al.: THEMIS Orbit Updates Prior to the Second Year Tail Season
16:05-16:17	V. Angelopoulos, et al.: Tail Reconnection Triggering Substorm Onset
16:20-16:32	A. T. Y. Lui: A Possible Alternative Interpretation of the Substorm Event Published in the Science Magazine
16:35-16:50	Z. Y. Pu: Multipoint Measurements of Substorm Timing and Activations
18:00-21:00	Banquet at Wentworth by the Sea Country Club

Thursday, September 25, 2008

8:30-10:10	Tail/Substorm II
8:30-8:42	R. L. Lysak: Alfvén Wave Propagation and the Timing of Substorm Events
8:45-8:57	A. Runov: Multi-Point Space and Ground-Based Observations at Substorm Onset
9:00-9:12	A. T. Y. Lui: Determination of the Substorm Initiation Region from a Major Conjunction Interval of THEMIS Satellites
9:15-9:27	C. Gabrielse, et al.: Timing and Localization of Near-Earth Tail and Ionospheric Signatures During a Substorm Onset
9:30-9:42	S. A. Kiehas: Determining the Reconnection Location and the Reconnected Flux - Application to THEMIS Observations
9:45-9:57	R. Nakamura: Fast Flow Signatures During Multiple Activation of Feb. 16, 0220 UT 2008 Substorm
10:00-10:12	L.J. Chen: Cluster Observations of the Electron Diffusion Region, its Neighbor Magnetic Island, and Particle Energization During Magnetotail Reconnection
10:15-10:30	Coffee Break
10:30-12:30	Tail/Substorm III

10:30-10:42	J. Liu: THEMIS Observation of a Substorm Event on 4:35, Feb 22, 2008
10:45-10:57	J. Raeder: What Can We Learn from Global Simulations of Substorm Events?
11:00-11:12	L. Rastaetter: Simulations of THEMIS February-March 2008 Magnetotail Events Using Global MHD Codes at CCMC
11:15-11:27	M. El-Alaou, et al.: Magnetotail Current Sheet Evolution During a Substorm
11:30-11:42	M. Ashour-Abdalla: The Acceleration of Ions in the Inner Plasma Sheet During a Magnetospheric Substorm
11:45-11:57	P. Zhu: Initiation of Ballooning Instability by Reconnection in the Near-Earth Plasma Sheet
12:00-12:12	J. P. Eastwood: THEMIS Burst Mode Observations of Reconnection and Flux Ropes in the Magnetotail Current Sheet: Sites of Energetic Electron Production
12:15-12:27	O. Le Contel: Whistler Wave Emissions Observed by Cluster and THEMIS During Substorms
12:30-13:30	Lunch Break
13:30-15:15	Inner Magnetosphere I
13:30-13:42	J. Goldstein: What Everyone Should Know about Inner Magnetospheric Physics
13:45-13:57	I. R. Mann: Radiation Belt and Inner Magnetosphere Science with THEMIS and CLUSTER
14:00-14:12	S. F. Fung, et al.: Plasmaspheric Plumes Observed by the CLUSTER and IMAGE Spacecraft
14:15-14:27	A. Masson, et al.: A CLUSTER Look at Plasmaspheric Notches
14:30-14:42	D. Larson, et al.: Using the THEMIS Energetic Particle Data
14:45-14:57	S. G. Claudepierre, et al.: Magnetospheric Cavity Modes Driven by Solar Wind Dynamic Pressure Fluctuations: Initial Results from Global MHD Simulations
15:00-15:12	W. Liu, et al.: Characterization of ULF Pulsations in the Inner Magnetosphere by THEMIS
15:15-15:30	Coffee break
15:30-17:00	Inner Magnetosphere II
15:30-15:42	M. E. Usanova, et al.: Multipoint Observations of Magnetospheric Compression-Related Emic PC1 Waves by THEMIS and CARISMA

15:45-15:57

H. Matsui, et al.: Storm-Time Electric Fields in the Inner Magnetosphere Measured by Cluster

16:00-16:12

16:15-16:27

16:30-16:42

16:45-16:57

Friday, September 26, 2008

8:30-10:15

Tail/Substorm II

8:30-8:42

Y. Song: Alfvénic Interactions and Substorm Onset

8:45-8:57

G. Parks: Observations of Substorm Triggering

9:00-9:12

J. W. Bonnell: A Re-Analysis of the Relative Importance of Hall and Fluctuation-Driven E-Fields During A Substorm Expansion Phase Observed by Cluster on 22 Aug 2001

9:15-9:27

J. P. McFadden: Measuring the Deviations from the Frozen-In Condition During Substorm Dipolarizations

9:30-9:42

S. V. Dubyagin: Statistical Study of Near-Earth Dipolarizations with THEMIS Spacecraft

09:45-09:57

J. P. Eastwood: Observations of Turbulence Generated by Magnetic Reconnection

10:00-10:12

K. Keika: Implication for Plasma Vortex During Dipolarization in the Near-Earth Magnetotail

10:15-10:30

Coffee Break

10:30-12:30

Tail/Substorm III

10:30-10:42

R. L. McPherron, Disruption of the Inner Edge of the Tail Current by Earthward Flow Bursts

10:45-10:57

R. Nakamura: Cluster Multi-Point Observations of Near-Earth Current Sheet Disturbances Associated with Dipolarizations During the Substorm Onset

11:00-11:12

A. A. Petrukovich: Comparison of Current Sheet Profiles Observed by Cluster with Model Predictions

11:15-11:27

M. Kubyshkina: Adjusted Magnetic Field Models and Mapping

11:30-11:42

E. Donovan: Magnetospheric Implications of Onset and Breakup

11:45-11:57

S. B. Mende: Onset Signatures and Substorm Timing from the THEMIS Satellite and Ground Based Observations

12:00-12:12

I. J. Rae: Constraining the Substorm Problem from the Ground

12:15-12:27

12:30-13:30

Lunch Break

13:30-15:15

Tail/Substorm IV

13:30-13:42

E. Zesta: The Coupling of Tail Fast Flows to Ionospheric Flow Signatures and their Relationship to Substorm Onset

13:45-13:57

E. Kepko: Flow, Pi2 and Auroral Associations Observed by THEMIS

14:00-14:12

I. J. Rae: Substorm Expansion Phase Onset Timing Using ULF Wave Techniques

14:15-14:27

X.-Z. Zhou: Formation of the Thin Current Sheet in the Substorm Late Growth Phase: THEMIS Observations

14:30-14:42

A. Teste: Evolution of Counter-Streaming Electron Beams Observed in a Current Sheet of the Earth's Magnetic Tail

14:45-14:57

A. P. Walsh: Cluster and Double Star Multipoint Observations of a Plasma Bubble

15:00-15:12

15:15-15:30

Coffee Break

15:30-16:45

Tail/Substorm V

15:30-15:42

E. Engwall: Cold Plasma Flow in the Magnetotail Revealed by Cluster EFW and EDI

15:45-15:57

L. M. Kistler: O⁺ Access to the Plasmasheet During Geomagnetic Storms

16:00-16:12

J. Liao: O⁺ Ion Transport from the Cusp to the Plasmasheet

16:15-16:27

Q.-G. Zong: Ionospheric Oxygen Ions Dominant Bursty Bulk Flows: Cluster and Double Star Observation

16:30-16:42

O. Marghitu: Cluster Observations of Concentrated Load and Generator Regions in the Plasma Sheet

Tue-Fri

POSTERS

J. Park: Cluster and THEMIS Observations Related to Auroral Activations

A. Retinò: The Microphysics of the Dipolarization Region in the Near-Earth Magnetotail: Cluster Multi-Point Observations

A. Blagau, et al.: A Comparison Between Standard and Constrained Minimum Variance Analysis at the Magnetopause with Cluster

W.-L. Teh, et al.: Reconstruction of a Large-Scale Reconnection Exhaust in the Solar Wind

P. M. E. Decreau, et al.: Directivity Analysis During Cluster
Tilt Campaign: 3D Views on Radio Waves

F. El-Lemdani Mazouz, et al.: WHISPER/CLUSTER
Observation of $(n+1/2)$ FCE Equatorial Emissions in the
Plasmasphere Region: Spectral Properties and Statistics
Workshop Ends

17:00

