

**Geospace Environment Modeling Workshop  
on the Boundary Layer Campaign**

**Snowmass, Colorado - June 28-30, 1992**

All plenary and working group sessions will be held in the Silvertree Hotel. The plenary sessions will be in the Cabaret Room. The separate working group sessions will be in Eldorado A (WG 2), Eldorado B (WG 3), Club (WG 1), and Elbert (WG 4).

Posters will be located in the Anderson Room of the Snowmass Conference Center. Posters can be put up anytime after 3 p.m. on Saturday and kept up until Tuesday morning.

**Saturday - June 27**

7:30-9:30 Reception at Silvertree Hotel (Eldorado A/B)

**Sunday - June 28 (A.M.)**

Chairman: W. Lotko

8:30	Welcome and Opening Remarks	W. Lotko
8:45	GEM Status - scientific/programmatic	
	USA	T. Eastman
	Greenland/Svalbard	E. Friis-Christensen
9:30	Status of WG Activities/WG Agendas	
	WG 1 - Boundary Normal Magnetic and Reconnection Electric Fields	L. Lyons
	WG 2 - Particle Entry, Boundary Structure and Transport	M. Ashour-Abdalla
	WG 3 - Current Systems and Mapping	C. Russell
	WG 4 - Data Task Force	T. Rosenberg
10:10	Coffee Break	
10:30	Parallel Sessions of WGs 1-4	
12:30	Lunch	

**Sunday - June 28 (P.M.)**

Chairman: J. Olson

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|-------|---|----------|
| 1:30  | Tutorial 1 - Implementing and Managing a Data Base:<br>The CEDAR Experience | B. Emery |
| 2:30  | Parallel Sessions of WGs 1-4  |          |
| 3:30  | Adjourn/remainder of afternoon free   |          |
| 6:00  | Dinner  |          |
| 7:30  | Parallel Sessions of WGs 1-4  |          |
| 8:30  | Posters (Anderson Room, Conference Center)                                  |          |
| 10:00 | Adjourn   |          |

**Monday - June 29 (A.M.)**

Chairwoman: O. de la Beaujardiere

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|-------|--|-------------|
| 8:30  | Tutorial 2 - Dayside Convection, Precipitation<br>and Currents | M. Lockwood |
| 9:30  | Parallel Sessions of WGs 1-4                                   |             |
| 10:15 | Coffee Break   |             |
| 10:30 | Summary/recommendations of WG 4 discussions                    | J. Olson    |
| 11:30 | Summary/recommendations of WG 2 discussions                    | P. Newell   |
| 12:30 | Lunch  |             |

**Monday - June 29 (P.M.)**

Chairman: R. Lysak

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|-------|--|----------|
| 1:30  | Tutorial 3 - Currents in the Cusp and Their Relation<br>to Global Dynamics | T. Hill  |
| 2:30  | Summary/recommendations of WG 3 discussions                                | R. Lysak |
| 3:30  | Adjourn/remainder of afternoon free  |          |
| 6:00  | Dinner   |          |
| 7:30  | Posters (Anderson Room, Conference Center)                                 |          |
| 10:00 | Adjourn  |          |

**Tuesday - June 30 (A.M.)**

Chairman: P. Newell

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|-------|---|-----------------------|
| 8:30  | Tutorial 4 - On the MHD Models of an Open Magnetopause Boundary and the Generation of the Cross Polar Cap Voltage | E. Sanchez            |
| 9:30  | Summary/recommendations of WG 1 discussions   | O. de la Beaujardiere |
| 10:30 | Coffee Break  |                       |
| 10:45 | First Steps Toward a Modularized GGCM   | G. Siscoe             |
| 12:15 | Lunch   |                       |

**Tuesday - June 30 (P.M.)**

Chairman: T. Eastman

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|------|---|---------------------|
| 1:30 | GEM Campaign Opportunities and Other Relevant Activities  |                     |
|      | The FAST Mission: Possible Role in the GEM Substorm Campaign  | C. Cattell          |
|      | Joint Campaigns with STEP   | M. Teague           |
|      | Development of Air Force Operational Models for the Specification and Prediction of Space Weather Effects in the Magnetosphere and Ionosphere | N. Maynard          |
|      | Summary of Ottawa Predictions Workshop  | C. Russell          |
| 3:00 | Coffee Break  |                     |
| 3:15 | Programmatic Issues   | T. Eastman/W. Lotko |
| 4:15 | Adjourn   |                     |
| 6:00 | Banquet (Conference Center)   |                     |

**Geospace Environment Modeling Workshop  
on the Physics of the Geotail and Substorms**

**Snowmass, Colorado - July 1-2, 1992**

All sessions will be held in the Silvertree Hotel. The plenary sessions will be in the Cabaret Room. The separate working group sessions will be in Eldorado A (Tail Dynamics), Eldorado B (Tail Structure) and Club (Substorms).

**Wednesday - July 1**

8:30            Welcome and Opening Remarks: Why we are here            J. Hughes/T. Eastman

**Plenary Invited Talks:**

9:00            Theory and Modeling            F. Coroniti

9:40            Observations            W. Baumjohann

10:20           Coffee Break

10:40           Ground Based Observations            H. Opgenoorth

**Working Group Plenary Discussions:**

11:20           Tail Structure Working Group: Co-chairs            J. Birn/D. Fairfield

Topic: Models of the Magnetotail: Current Status  
and Open Questions

Speakers: R. Walker and N. Tsyganenko

12:00           Lunch

1:20            Tail Dynamics Working Group: Co-chairs            R. Wolf/ H. Singer

Topic: What is the Essential Physics of the Substorm  
Current Wedge?

Speakers: R. McPherron and A. Lui

2:00            Low Altitude Signatures Working Group: Co-chairs            J. Samson/R. Lysak

Topic: What Role Does the Ionosphere Play in the Sub-  
storm Process?

Speakers: P. Reiff and S. Murphree

**Related Programs:**

- |      |  |          |
|------|--|----------|
| 2:40 | Review of Other Current and Upcoming Programs    | D. Baker |
| 3:00 | The Geotail Mission: Experiments and Orbit       | T. Mukai |
| 3:15 | Coffee Break                                     |          |
| 3:30 | Working Group Sessions: preparing initial report |          |

**Thursday - July 2**

- 8:30 Working Group Sessions

**Plenary Session, Initial Working Group Reports:**

- |           |   |  |
|-----------|---|--|
| 9:30      | Tail Structure Working Group - Co-chairs:                                     | J. Birn/D. Fairfield   |
| 10:15     | Coffee Break  |  |
| 10:30     | Tail Dynamics Working Group - Co-chairs:                                      | R. Wolf/H. Singer  |
| 11:15     | Low Altitude Signatures Working Group - Co-chairs:                            | J. Samson/R. Lysak   |
| 12:00     | Lunch   |  |
| 1:20      | Working Group Sessions - iteration and drafting initial report                |  |
| 3:30      | Coffee Break  |  |
| 2:30-3:30 | <del>3:30-4:30</del>  | Summing Up Plenary Session: 15 min for each working group followed by discussion |
| 5:15      | Final Executive Meeting (Elbert Room): Hughes, Lotko and Working Group Chairs |  |
| 6:30      | Executive Meeting ends  |  |