

## **MMS SCIENCE WORKING TEAM MEETING AGENDA**

*10-12 March 2014, Courtyard Marriott Hotel, Cocoa Beach, FL*

**Tuesday, 10 Mar. am, Courtyard Marriott Galaxy Rm.**

**Part 0: Science Working Group (Executive Session)**

*Chair: Jim Burch / Tom Moore*

08:30 Agenda TBS to SWG Membership

11:30 Adjourn

**Proposed Discussion Topics:**

TBD

**Tuesday, 10 Mar. pm, Courtyard Marriott Galaxy Rm.**

**Part 1: Theory Modeling and Data Analysis**

*Chair: Michael Hesse*

13:00 Paul Cassak: Fast reconnection with electron pressure anisotropy

13:20 Nicolas Aunai: Kinetic equilibria for asymmetric tangential layers :  
steady initial condition for reconnection simulations”

13:40 Naoki Bessho: Formation of fine structures in electron distribution  
functions during magnetic reconnection

14:00 Li-Jen Chen: The electron diffusion region in asymmetric and  
symmetric reconnection

14:20 Richard Denton: Reconstruction of the Electron Diffusion Region

14:40 Jim Drake: Electron Acceleration during Reconnection with an  
Ambient Guide Field: A comparison of 2-D and 3-D results

15:00 Break

15:20 Michael Hesse: Electron diffusion region for asymmetric guide-field  
reconnection

15:40 Masahiro Hoshino: Magnetic reconnection in turbulence

16:00 Yi-Hsin Liu: Orientation of X-line in Asymmetric Reconnection

16:20 William Matthaeus: Reconnection in a complex environment

16:40 Deirdre Wendel: Distribution functions in guide field reconnection

17:00 Adjourn

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**Wednesday, 11 Mar. am, Courtyard Marriott Galaxy Rm.**

**Part 2: Mission Operations and Data Analysis**

*Chair: B L Giles*

08:30 Moore/Burch: Welcome and Logistics

08:35 Newmark: Program Status Comments

08:45 Tooley/Robertson: Mission Status Update

09:00 Pollock: Coordinating With Ground Based Observations

09:20 Fuselier: MMS Mission Plan / Heliophysics Fleet Coordination

09:30 Torbert/Pankratz: SOC: Commissioning and Operations Overview

10:00 Break

10:20 Larsen: SDC: SITL, Data Access, Web Site, Schedule

11:00 Cline/Hendrix/Moore: "Communication and Public Engagement"

11:10 Rastatter: Coordinated Community Modeling Center Tools for MMS

11:20 Goldstein/Klimas, Reconnection rate from 2.5D PIC

11:40 **Group Photo, best location near meeting room**

12:00 Lunch

**Wednesday, 11 Mar. pm, Courtyard Marriott Galaxy Rm.**

**Part 3: Interdisciplinary Science Studies**

*Chair: M L Goldstein*

13:00 Reiff: "Education and Public Outreach"

13:20 Goldman: Whistler observations and sub-spin electron distributions

13:40 Phan: Macroscopic signatures of the magnetopause diffusion region

14:00 Berchem: Multiscale simulations of the dayside magnetopause

14:20 Newman: Dayside current-sheet modeling; Magnetotail ion beams

14:40 Ericksson: THEMIS dayside counter-streaming ion distributions

15:00 Break

15:20 Shay: Ion and electron heating in reconnection

15:40 Oka: Electron diffusion region signatures in the magnetotail

16:00 Lapenta: Diffusion region distribution in the magnetotail?

16:20 Hwang: Encountering multiple reconnection sites

16:40 Andersson: Magnetotail reconnection in the presence of oxygen

17:00 Laing: Oxygen effects on dipolarization fronts

17:20 Discussion / Advertisements

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Invitation to show single chart, brief links to other work of interest

18:00 Adjourn

***Thursday, 12 Mar am, KSC Visitor Center***

***Part 4: Launch Pad Tours***

*Chair: R B Torbert*

10:00 Launch Pad Tours (Restricted by USAF to USA Residents)

12:00 Lunch

***Thursday, 12 Mar pm, Courtyard Marriott Rm. TBD***

***Part 4: Interdisciplinary Science (continued informal discussions)***

*Chair: N/A*

13:00 Prepare for Launch!

***Thursday, 12 Mar eve, KSC Visitor's Center, Apollo/Saturn V Building***

***Part 4: Launch Reception,***

*Chair: Jim Burch*

19:15-21:45 Bus boarding at the KSC Visitor Center, for transport to the:

20:00 Reception at the Apollo/Saturn V Building of KSC

22:30 Transition to launch viewing site at Banana Creek

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### **MMS Associated Meetings Week of 9 Mar. 2015**

#### **Monday, 09 Mar 2015. am, Courtyard Rm. TBD**

08:30 - 17:00      Fields Team Meeting, Mars Conference Rm.

#### **Tuesday, 10 Mar 2015 pm: KSC location TBD**

08:30 - 12:00      Mag Team, Jupiter Conference Rm.

13:00 - 15:00      MMS L-2 Briefing, TBD location at KSC

#### **Friday, 13 Mar., Courtyard Rm. TBD**

08:30 - 12:00      Mag Team, Jupiter Conference Rm.

09:00 - 13:00      EPD Team Meeting, Mars Conference Room