

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

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

***Tue, 10 Mar. am, Courtyard Rm. TBD***

***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

***Tue 10 Mar. pm, Courtyard Rm. TBD***

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

*Chair: Michael Hesse*

13:00 Nicolas Aunai: Orientation of the reconnection plane and reconnection rate in asymmetric current sheets

13:20 Naoki Bessho: Formation of fine structures in electron distribution functions during magnetic reconnection

13:40 Paul Cassak: Fast reconnection with electron pressure anisotropy

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 TMDA Discussion: Data Assimilation

17:00 Adjourn

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***Tue, 11 Mar. am, Courtyard Rm. TBD***

***Part 2: Mission status, outlook***

***Chair: M L Adrian***

08:30 Moore/Burch: Welcome and Logistics

08:35 Tooley/Robertson: Project Status

09:00 Burch/Torbert: Science Status

09:30 Black/Pope: Instrument Suite Status

10:00 Break

10:20 Schiff: FDOA Nominal and Extended Missions Update

10:50 Fuselier: MMS Mission Plan / Heliophysics Fleet Coordination

11:20 **Group Photo, TBD location**

12:00 Lunch

***Wed, 11 Mar. pm, Courtyard Rm. TBD***

***Part 3: Science operations and analysis***

***Chair: B L Giles***

13:30 Cline: Latest on "Communication and Public Engagement"

14:00 Reiff: Latest on "Education and Public Outreach"

14:30 Gramling/Beech: Commissioning Plan, SOC Status and IS  
Operations Support

15:30 Break:

16:00 Larsen: SDC Status: Commissioning, SITL, Data Access, Web Site  
design, Schedule plans

17:30 Adjourn

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***Thu, 12 Mar am, Courtyard, Rm. TBD***

***Part 4: Interdisciplinary Science Studies***

***Chair: Guan Le***

08:30 Nykyri: Kinetic waves within KH vortices

08:50 Goldman: Whistler observations and sub-spin electron distributions

09:20 Newman: Dayside current-sheet modeling; Magnetotail ion beams

09:50 Lapenta: Where is MMS most likely to find diffusion regions in the magnetotail?

10:10 Break

10:20 Ericksson: THEMIS dayside counter-streaming ion distributions

10:35 Andersson: Magnetotail reconnection in the presence of oxygen

10:50 Phan: Macroscopic signatures of the magnetopause diffusion region

11:20 Shay: Ion and electron heating in reconnection

11:40 Oka: Electron diffusion region signatures in the magnetotail

12:00 Lunch

***Thu, 12 Mar pm, Courtyard, Rm. TBD***

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

***Chair: TBD***

13:00 Berchem: Multiscale simulations of the dayside magnetopause

13:25 Laing: Oxygen effects on dipolarization fronts

13:50 Goldstein/Klimas, Reconnection rate from 2.5D PIC

14:15 Hwang: Encountering multiple reconnection sites

14:40 Buechner: Gyrokinetic and PIC guide field reconnection

15:00 Phan: Discussion: criteria for identifying diffusion regions

16:00 Adjourn

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

***Part 4: Launch Celebration***

***Chair: Jim Burch***

20:30 Reception at the Apollo/Saturn V Building of KSC

23:30 Transition to launch viewing site at Banana Creek

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

**Mon, 09 Mar 2015. am, Courtyard Rm. TBD**

08:30 - 17:00      Fields Team Meeting

**Tue, 10 Mar 2015 pm: KSC location TBD**

13:00 - 15:00      MMS L-2 Briefing

**Fri, 13 Mar., Courtyard Rm. TBD**

08:30 - 17:00      EPD Team Meeting