

MMS SCIENCE WORKING TEAM MEETING AGENDA

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

Tuesday, 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

Tuesday, 10 Mar. pm, Courtyard Rm. TBD

Part 1: Theory Modeling and Data Analysis

Chair: Michael Hesse

13:00 Nicolas Aunai: Kinetic equilibria for asymmetric tangential layers : steady initial condition for reconnection simulations”

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 Deirdre Wendel: Distribution functions in guide field reconnection

17:00 Adjourn

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Wednesday, 11 Mar. am, Courtyard Rm. TBD

Part 2: Mission Operations and Data Analysis

Chair: B L Giles

08:30 Moore/Burch: Welcome and Logistics

08:40 Tooley/Robertson: Mission Status Update

09:00 Fuselier: MMS Mission Plan / Heliophysics Fleet Coordination

09:20 Phan: Criteria for identifying diffusion regions

09:40 Open Discussion

10:00 Break

10:30 Torbert/Beech: SOC: Commissioning and Operations

11:15 Larsen: SDC: SITL, Data Access, Web Site, Schedule

11:50 **Group Photo, location TBA**

12:00 Lunch

Wednesday, 11 Mar. pm, Courtyard Rm. TBD

Part 3: Interdisciplinary Science Studies

Chair: Guan Le

13:00 Cline/Hendrix: Latest on "Communication and Public Engagement"

13:20 Reiff: Latest on "Education and Public Outreach"

13:40 Goldman: Whistler observations and sub-spin electron distributions

14:00 Lapenta: Diffusion region distribution in the magnetotail?

14:20 Oka: **Electron diffusion region signatures in the magnetotail**

15:00 Break

15:20 Shay: Ion and electron heating in reconnection

15:40 Goldstein/Klimas, Reconnection rate from 2.5D PIC

16:00 Berchem: Multiscale simulations of the dayside magnetopause

16:20 Nykyri: Kinetic waves within KH vortices

16:40 Newman: Dayside current-sheet modeling; Magnetotail ion beams

17:30 Adjourn

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Thursday, 12 Mar am, Courtyard, Rm. TBD

Part 4: Interdisciplinary Science Studies (continued)

Chair: M L Goldstein

08:30 Ericksson: THEMIS dayside counter-streaming ion distributions

09:00 Phan: Macroscopic signatures of the magnetopause diffusion region

09:30 Andersson: Magnetotail reconnection in the presence of oxygen

10:00 Break [Launch Pad Tour, priority for instrument team members]

10:30 Laing: Oxygen effects on dipolarization fronts

11:00 Hwang: Encountering multiple reconnection sites

11:30 Buechner: Gyrokinetic and PIC guide field reconnection

12:00 Lunch

Thursday, 12 Mar pm, Courtyard, Rm. TBD

Part 4: Interdisciplinary Science (continued discussions as appropriate)

Chair: TBA

13:00 Prepare for Launch!

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

Part 4: Launch Celebration, Chair: Jim Burch

19:45-20:45 Bus boarding at the KSC Visitor Center, for transport to the:

20:30 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

Tuesday, 10 Mar 2015 pm: KSC location TBD

13:00 - 15:00 MMS L-2 Briefing

Friday, 13 Mar., Courtyard Rm. TBD

08:30 - 17:00 EPD Team Meeting