

MMS SCIENCE WORKING TEAM MEETING AGENDA

27 Feb – 3 Mar 2016, Marriott Hotel, Key West, FL

Monday, 27 Feb. AM Instrument Team Splinters

13:00 – 15:00

FPI Team Meeting, Rm. TBD

TBD

Fields Team Meeting, Rm. TBD

TBD

EPD Team Meeting, Rm. TBD

TBD

HPCA Team Meeting, Rm. TBD

ASPOC meets with other teams as appropriate

15:00 – 17:00

SOC Instrument Operations Guidelines Meeting, Rm. TBD

MMS SCIENCE WORKING TEAM MEETING AGENDA

27 Feb – 3 Mar 2016, Marriott Hotel, Key West, FL

Tuesday, 28 Feb AM: Rm. TBD

Part 1: Operations Plenary 1 **Chair:** Tom Moore

08:30 Moore: Welcome and Meeting Agenda Overview

08:45 Kessel: HQ Perspective

09:00 Burch: Project Update

09:15 Woodard: Mission Operations

09:45 Smith: Instrument Operations

10:15 Coffee Break

10:30 Pankratz: MMS Data Management

10:45 Larsen: SDC Operations and Outlook

11:15 Garrison: E/PO Update and Opportunities

11:30 Webster: New EDR events from phase 1B

12:00 Lunch, Poster Session TBD

Tuesday, 28 Feb. PM

Part 2A: Planning for Phase 2B **Chair:** Mark Adrian

13:00. Ergun: "Orbit in the Life" in Phase 2b

13:30. Phan: "How to select EDR regions in the tail"

14:00. Wilder: "Week in the Life of a SITL"

14:30. Phan/Burch/Torbert/Giles: Discussion

15:00 Break

15:15. Nakamura: PSBL in Phase 1X BBF Campaign

15:30. Birn: Ion acceleration in dipolarizations fronts

15:45: Baker: Multiscale particle injection features and Phase 2B

16:00 Adjourn

Tuesday, 28 Feb PM, Rm. TBD

Part 2B: Science Working Group / DSWG Meetings

SWG Chairs: J L Burch / T E Moore, **DSWG Chair:** K Larsen

16:00 Begin SWG Meeting (Limited to SWG membership) Rm. TBD

16:00 Begin DSWG Meeting, Rm. TBD

18:00 Adjourn

MMS SCIENCE WORKING TEAM MEETING AGENDA

27 Feb – 3 Mar 2016, Marriott Hotel, Key West, FL

Wednesday, 1 Mar AM, Rm: TBD

Part 3: Science Presentations **Chair: Guan Le**

08:30. Wilder: Parallel electric fields in magnetosheath reconnection.

08:45. Graham: LHDI in an asymmetric reconnecting current sheet

09:00. Khotyaintsev: Electron holes in a reconnection separatrix

09:15. Ergun: Current Sheet Instabilities in Reconnection

09:30. Torbert : Dissipation signatures in Reconnection

09:45. Plaschke: Magnetosheath Jets

10:00 Coffee Break

10:15. Andriopoulou: Plasma density from spacecraft potential

10:30. Dargent: Cold ions at the magnetopause

10:45. Shuster: Determining MMS trajectories through EDRs

11:00. Lavraud: Electronic structure of the open magnetopause

11:15. Gershman: Fluctuations at ion scales in the magnetosheath

11:30 Giles: Plasma distributions in/near diffusion regions

12:00 Lunch, Poster Session TBD

Wednesday, 1 Mar PM, Rm.: TBD

Part 4: Science Presentations **Chair: Dan Gershman**

13:00. Paterson: Application of trigger terms for studies of turbulence

13:15. Mackler: Magnetosheath Plasma Turbulence in Phase 1A

13:30. Matthaeus: Dayside Turbulence

13:45. Sibeck: KH and foreshock/magnetosheath

14:00. Hesse: EDR Structure

14:15. Liu: Electron pressure tensor divergence

15:00 Break

15:15. Denton: A natural (LMN) coordinate system for MMS

15:30. Chen: Multi-spacecraft EDR perspective

15:45. Wang: Ion energization in the diffusion region

16:00. Drake: 3D kinetic modeling of reconnection

16:15. Holmes: Phase space holes in presence of cold plasma

16:30. Ahmadi: Currents in secondary magnetic reconnection from EDI

17:00 Adjourn

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Thursday, 2 Mar AM, Rm. TBD

Part 5: Science Presentations **Chair: Allison Jaynes**

08:30. Genestretti: MMS data comparisons with PIC simulations
08:45. Cassak: 2D and 3D PIC comparisons with MMS data
09:00. Jaynes: Chorus Wave Properties and Effects
09:15. Turner: Energetic particle injections and chorus element scales
09:30. Cohen: Ion composition in outer magnetosphere
09:45. Strangeway: Magnetopause-Ionosphere coupling by FAC

10:00 Coffee Break

10:15. Lapenta or Newman: TBD
10:30. Goldman: TBD (30 mins requested).
10:45. Oka: Electron Acceleration at the Bow Shock.
11:00. Shay: 3D effects in magnetopause reconnection
11:15. Phan: Reconnection rate at the magnetopause
11:30 Russell: Magnetopause topology implied by electron flows

12:00 Lunch, Poster Session TBD

Thursday, 2 Mar PM, Rms: TBD

Part 6: Science Presentations **Chair: Ian Cohen**

13:00. Vines – Magnetospheric ion heating in the low latitude boundary layer
13:15. Broll – Scattering of specularly reflected He²⁺ at the Earth's bow shock
13:30. Trattner – Location of magnetic reconnection at the magnetopause
13:45. Petrinec – Minor ion dynamics in Flux Transfer Events
14:00. Gomez – Measurements of interstellar pick up ions using MMS HPCA
14:15. Fuselier – Island structures observed near Electron Diffusion Regions
14:30. Avinov: Dawn terminator plasma entry injections from MMS

15:00 Break

15:15. Bessho: Guide & electric field effects on electron crescent distributions
15:30. Zhao: Force balance for varying FTE scale sizes
15:45. Wei: Electromagnetic waves observed at the bow shock
16:00. Lai: Control of the magnetosheath phenomena by solar wind properties
16:15. Alm: TBD
16:30. Zhang: Hot flow anomalies from MMS data

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Friday, 3 Mar AM, Rm. TBD

Part 8: Instrument Team Splinters

08:30 – 12:00

Theory and Modeling Team Meeting Rm. TBD

Turbulence Subgroup, Rm. TBD

Posters:

Larsen: SDC Data Availability and Access

Larsen: SDC Data Access and Visibility Demos