

# **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

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## **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 SWDG Meeting, Rm. TBD

18:00 Adjourn

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## **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 He<sup>2+</sup> 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