

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

01-04 Oct 2017, Regency Hotel, 20 Milk St., Portland ME 04101

### **Sunday, 01 Oct. PM, Rms. TBD**

**Part 1A:** Team Splinters **Chairs:** Team Leads

13:00 **Rm TBD:** Fields Team Meeting

13:00 **Rm TBD:** EPD Team Meeting

13:00 **Rm TBD:** HPCA Team Meeting

13:00 **Rm TBD:** FPI Team Meeting

13:00 **Rm TBD:** SITL/Burst Team

13:00 **Rm TBD:** MAG Team

13:00 **Rm TBD:** TMDA Team Meeting

ASPOC meets with other teams as desired and appropriate

### **Sunday, 01 Oct PM Rm. TBD**

**Part 2:** Science Working Group **Chairs:** Jim Burch / Thom Moore

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

18:00 Adjourn

# **MMS SCIENCE WORKING TEAM MEETING AGENDA**

01-04 Oct 2017, Regency Hotel, 20 Milk St., Portland ME 04101

## **Monday, 02 Oct. AM, Rm. TBD**

**Part 1B:** Team Splinters    **Chairs:** Team Leads

08:30 **Rm TBD:** Fields Team Meeting

08:30 **Rm TBD:** EPD Team Meeting

08:30 **Rm TBD:** HPCA Team Meeting

ASPOC meets with other teams as desired and appropriate

12:00 Lunch, Poster Session TBD

## **Monday, 02 Oct PM: Rm. TBD**

**Part 3A:** Operations Status    **Chair:** Thom Moore/Jim Burch

13:00 Moore: Welcome and Meeting Agenda Overview

13:15 Kessel: HQ Perspective and Senior Review

13:30 Burch: Project Update / SWG Report

13:45 Lounsbury: Mission Operations

14:00 Smith: Science Instrument Operations Plan

15:00 Coffee Break

15:30 Pankratz: MMS Data Management

15:45 Larsen: SDC Operations and Outlook

16:15 Garrison: E/PO Update and Future Opportunities

16:30 TBD: New EDR events from Phase 2

16:45 Hesse: EDR balance for symmetric reconnection

## **Monday, 02 Oct EVE TBD**

Brewpub Dinner?

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

01-04 Oct 2017, Regency Hotel, 20 Milk St., Portland ME 04101

### **Tuesday, 03 Oct AM, Rm. TBD**

**Part 3: Science Presentations/Discussions**    **Chair: J Shuster/I Cohen**

08:30 Burch: Presentation to Senior Review Panel

09:00 Nakamura R: Thin current sheets during substorm dipolarization

09:15 Nakamura T: K-H reconnection in observations and simulations

09:30 Fuselier: Reconnection and magnetospheric ions

09:45 Trattner - Anti-parallel versus component dayside reconnection

10:00 Coffee Break

10:15 Petrinec: Reconnection along the dawn and dusk magnetopause

10:30 Mouikis: Substorm impacts on plasma sheet composition

10:45 Broll: Ion exhaust distributions global MHD test particles

11:00 Pritchard: Ohm's law in a reconnection electron diffusion region

11:15 Gomez: Pickup ions upstream of the Earth's bow shock

11:30 Birn: Acceleration of oxygen ions in tail reconnection

11:45 Argall: Electron dynamics in asymmetric reconnection EDR

12:00 Lunch, Poster Session

Wilder: Preliminary Results TBD

Coffey: Title TBD

### **Tuesday, 03 Oct PM, Rm. TBD**

**Part 4: Data Analysis Sessions**    **Chair: T Leonard**

13:00 Turner: Energetic particle acceleration in foreshock transient events

13:15 Lee: Magnetosheath pressure pulses and magnetopause/shock motion

13:30 Hasegawa: Turbulence from Kelvin-Helmholtz vortices

13:45 Chasapis: Title TBD (turbulent current sheets?)

14:00 Magnetotail Reconnection Events I

Discussion Leads: Roy Torbert, Rumi Nakamura

15:00 Break

15:30 Magnetotail Reconnection Events II

Discussion Leads: Roy Torbert, Rumi Nakamura

### **Tuesday, 03 Oct EVE Rm. TBD**

Reception, Brewpub dinner

# MMS SCIENCE WORKING TEAM MEETING AGENDA

01-04 Oct 2017, Regency Hotel, 20 Milk St., Portland ME 04101

## Wednesday 04 Oct AM, Rm. TBD

**Part 5: Science Presentations/Discussions**      **Chair: Turner/Lee**

08:30 Denton: Determining LMN coordinate directions from PIC  
08:45 Swisdak: EDR for asymmetric anti-parallel reconnection  
09:00 Wang: Energy partition in the diffusion region of asymmetric reconnection  
09:15 Bessho: Guide field and reconnection E field influence on e- VDFs  
09:30 Chen: Tail EDR observed by MMS  
09:45 Liu: Collisionless magnetic reconnection rate in asymmetric current sheets

10:00 Coffee Break

10:15 Avinov: Strong plasma injections from MMS  
10:30 Rager: Current sheet crossings at 7.5 ms resolution  
10:45 Paterson: Vorticity near Reconnection Sites  
11:00 Mackler: Turbulence in magnetotail  
11:15 Farrugia: Reconnection as solar wind goes sub-Alfvénic  
11:30 Newman: Bipolar solitary structures: simulated and observed  
11:45: Oka: Electron power laws distributions in space plasmas

12:00 Lunch, Poster Session TBD

## Wednesday, 04 Oct PM, TBD

**Part 6: Science Presentations**      **Chair: Hasegawa**

13:00 Cohen; Energetic ion beaming and magnetotail dipolarization events  
13:15 Leonard: Innovative anisotropy displays of MMS data sets(?)  
13:30 Shuster: Energy dependence of perpendicular currents  
13:45 Shay: Turbulent reconnection

14:00 Phase 3B (Upstream Region) Science Objectives  
Discussion Leads: Alex Chasapis, Li-Jen Chen

15:00 Break

15:30 Phase 3B (Upstream Region) Science Operations  
Discussion Leads: Chris Pankratz, Patrick Smith