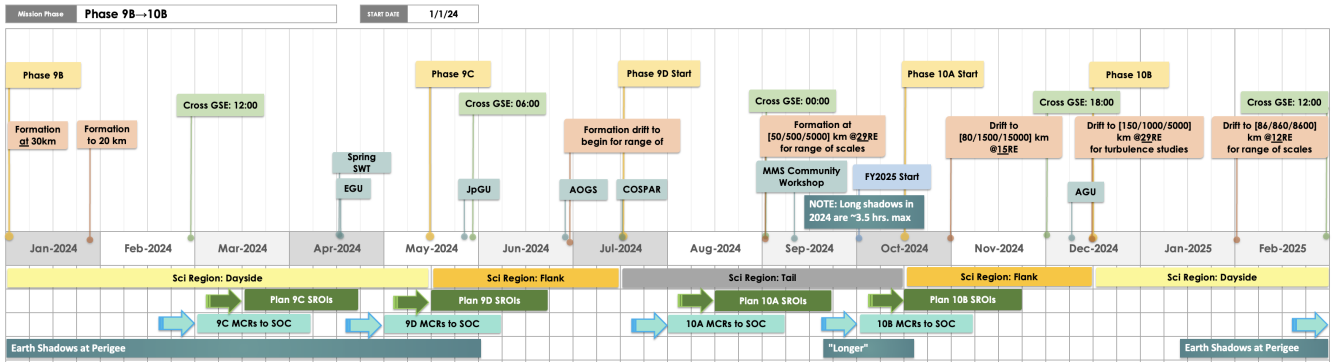


# MMS Science Working Team Home

r cCon

MMS Mission Annual Timeline



## MMS Workshops

### MMS Spring 2024 SWT Meeting

SwRI, San Antonio, TX

Team Splinter Meetings: April 8,  
2024 (Monday)

(Total Solar Eclipse around noon  
on Monday)

SWT Meeting: April 9-11, 2024  
(Tuesday-Thursday)

[Registration link](#)

[Hotel reservation link](#)

[Meeting details & presentation  
signup](#)

### Secure Your Spot!

Submit your Presentation  
Titles by March 25th

## MMS Workshops

10<sup>th</sup> MMS Community  
Workshop  
University of California,  
Los Angeles

### Save the Dates:

Team Splinter Meetings,  
September 16, 2024 (Monday)

Workshop dates: September 17-19,  
2024 (Tuesday-Thursday)

## MMS Science Telecons

Tuesdays, 10:00 am |  
Central US Time | 1 hour

[Join the Meeting](#)

March 19, 2024

Early Career Team. Hosted by Rachel  
Rice.

Riddhi Bandyopadhyay -- Energy  
transfer across scales in collisionless  
plasma turbulence

Harsha Gurram -- 3D electron  
distributions within the Earth's Alfvén  
wings during the CME event on April 24,  
2023

Jason Beedle -- Field-Aligned Current  
Structures during the Magnetosphere's  
Transformation into Alfvén Wings and  
Recovery

**NOTE for those that visit NASA  
Goddard** -- A new Main Gate entrance  
and badging office on ICESat Road is  
operational (see [map](#)). The new badging  
office in Building 17 is intended to  
provide an improved experience for  
visitors and employees.

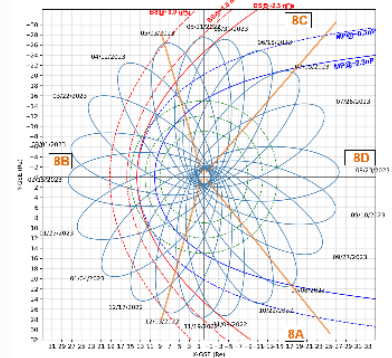
SCHEDULE	Jun-2024	Feb-2024	Mar-2024	Apr-2024
1 <sup>st</sup> Tuesday	Team 13	Team 17	Team 21	Team 1
2 <sup>nd</sup> Tuesday	Team 14	Team 18	Team 22	Team 2
3 <sup>rd</sup> Tuesday	Team 15	Team 19	Team 23	Team 3
4 <sup>th</sup> Tuesday	Team 16	Team 20	Team 24	Team 4
5 <sup>th</sup> Tuesday, if any	Break	Break	Break	Break

SCHEDULE	May-2024	Jun-2024	Jul-2024	Aug-2024
1 <sup>st</sup> Tuesday	Team 5	Team 9	Team 13	Team 17
2 <sup>nd</sup> Tuesday	Team 6	Team 10	Team 14	Team 18
3 <sup>rd</sup> Tuesday	Team 7	Team 11	Team 15	Team 19
4 <sup>th</sup> Tuesday	Team 8	Team 12	Team 16	Team 20
5 <sup>th</sup> Tuesday, if any	Break	Break	Break	Break

SCHEDULE	Sep-2024	Oct-2024	Nov-2024	Dec-2024
1 <sup>st</sup> Tuesday	Team 21	Team 1	Team 5	Team 9
2 <sup>nd</sup> Tuesday	Team 22	Team 2	Team 6	Team 10
3 <sup>rd</sup> Tuesday	Team 23	Team 3	Team 7	Team 11
4 <sup>th</sup> Tuesday	Team 24	Team 4	Team 8	Team 12
5 <sup>th</sup> Tuesday, if any	Break	Break	Break	Break

SCHEDULE	Jan-2025	Feb-2025	Mar-2025	Apr-2025
1 <sup>st</sup> Tuesday	Team 13	Team 17	Team 21	Team 1
2 <sup>nd</sup> Tuesday	Team 14	Team 18	Team 22	Team 2
3 <sup>rd</sup> Tuesday	Team 15	Team 19	Team 23	Team 3
4 <sup>th</sup> Tuesday	Team 16	Team 20	Team 24	Team 4
5 <sup>th</sup> Tuesday, if any	Break	Break	Break	Break

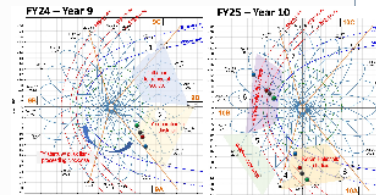
## Orbits / Formations / SROIs - Year 8



[Find previous Years / Orbit Phases /  
SRO maps here](#)



## FY24-FY25 Formation Change

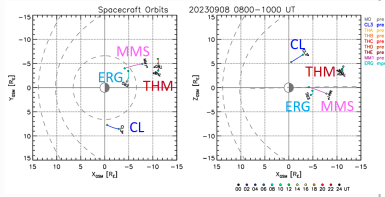


[Details submitted to the MOC  
/SOC  
2023 Senior Review Proposal](#)



## Collaboration Opportunity

### Phase 8D Multi-mission Conjunction Opportunity



>3 missions conjunctions with MMS, ARASE, THEMIS and/or Cluster, some with foot point in North-American sector

Presentation by Nakamura, Y. Miyoshi, N. Kitamura: MMS-ARASE Conjunction observations during Phase 8d.(9a) - [slides attached here.](#)



## MMS CMAD

### MMS Calibration and Measurement Algorithms Document (CMAD)

v2.0 Released 22 November 2022

includes and supersedes previous Instrument User Guides

[Appendix G - CMAD - MMS\\_SeniorReview2023\\_v22Nov2022.pdf](#)

Comments/Additions are always welcome. Send those to Ashley King ([ashley.k.barrett@nasa.gov](mailto:ashley.k.barrett@nasa.gov)), who will forward them to the appropriate team for inclusion.



## Special Issues

### Physics of Plasmas "Plasma Physics from the Magnetospheric Multiscale Mission"

Closed for submissions, the Special Issue is available online [here](#). A limited number of hard copies will be printed and distributed. More details to come soon.

Guest Editors: [Julia E. Stawarz](#) (Imperial College London) and [Kevin Genestreti](#) (Southwest Research Institute)

Team #	Group	Lead
1	Project → PI, PS, MOC, SOC	Jim Burch
2	UNH	Matt Argall, Roy Torbert
3	NASA GSFC	Dan Gershman
4	NASA/Ames	Michael Hesse
5	IWF- Austrian Academy of Sciences	Owen Roberts, Rumi Nakamura
6	SWRI	Stephen Fuselier
7	UCLA	Hanying Wei, Chris Russell
8	APU/Aerospace	Ian Cohen, Barry Mauk
9	Rice	Pat Beff
10	Dartmouth	Yi-Hsin Liu, Richard Denton
11	UMD	Jim Drake / Marc Swisdak
12	GSFC - non-FPI	Guan Le / U-jen Chen / David Sibeck
13	U Colorado	Narges Ahmadi / Bob Ergun
14	UC Berkeley	Tai Phan / Mitsuo Oka
15	JAXA ISAS, U Tokyo	Yoshifumi Saito / Naritoshi Kitamura / Hiroshi Hasegawa
16	IRF- Swedish Inst of Space Physics	Daniel Graham / Yuri Khayentsev
17	MMS Deputy PI	Kevin Genestreti
18	CNRS LPP	Oliver LeContel
19	IRAP, Bordeaux, U Murcia	Benoit Laraud / Sergio Toledo-Redondo
20	U Mich	Tomas Gombosi, Jim Slavin
21	Imperial College, U Southampton	Julia Stawarz / Imogen Gilling / Jonathan Eastwood
22	U Delaware	Bill Matthaeus
23	Early Career Journal Club	All the Early Career PIs
24	KTH- Royal Institute of Tech	Per-Arne Lindqvist / Andris Valvads / Tomas Karlsson

Note: We can shift the order of the teams as best suit's everyone's schedules

When hosting, please feel free to think broadly about your approach. For example,

- It is perfectly fine to have fewer, longer presentations rather than the standard three short presentations.
- Consider simply leading a discussion of an open question, a new event, or an analysis /simulation tutorial.
- Invite people to present that are "further afield" than your own team. (e.g., a newly published paper of interest.)
- If your week overlaps with a major conference or MMS SWT meeting, please anticipate that telecon will be cancelled.

**As always, every host prioritizes anyone from across our community that wishes to present their new material for feedback from the team, especially to check the use or interpretations of the datasets.**

If you are a "late breaking" co-author addition to an about-to-be submitted paper, it is a good practice to ask the author of that paper to present at this forum.

## Links to Other Meetings:

[2023 US-Japan Workshop on Magnetic Reconnection](#), from Jun. 26 to Jun. 29, 2023, at Daiwa Royal Hotel, Ise Shima, Japan

## Links to Previous Meetings:

- MMS Fall 2023 SWT Meeting The Hotel at The University of Maryland,
- 9th MMS Community Workshop, hosted by LASP, June 2023, <https://sites.google.com/view/9th-mms-community-workshop/>
- Geotail Symposium, <https://sprg.isas.jaxa.jp/Geotail30/>
- MMS Fall 2022 Virtual SWT, hosted by LASP, <https://lasp.colorado.edu/galaxy/x/3waGBw>
- MMS ISSI Workshop (June 27- July 1, 2022)
- 8th MMS Community Workshop, hosted by Embry-Riddle University, Spring 2022 <https://commons.erau.edu/mms-conference/2022/>
- MMS Fall 2021 Community Workshop, Waterville Valley NH <https://swri-eos.unh.edu/mmsatwv/> - <https://lasp.colorado.edu/galaxy/x/qJH4BQ>
- MMS Spring 2021 Virtual SWT <https://lasp.colorado.edu/galaxy/x/CoF7BQ>
- MMS Fall 2020 Virtual SWT <https://lasp.colorado.edu/galaxy/x/55uxB>
- MMS Spring 2020 Virtual SWT <https://lasp.colorado.edu/galaxy/x/KUm9Aw>
- Previous SWT meeting presentations

Want to add a meeting to this list? Please feel free to log in and hit that "edit" button. (both at the upper right corner of the screen).

### Administrative

- **MMS Publications**  
[LASP site](https://lasp.colorado.edu/galaxy/display/mms/MMS+Publications)  
<https://lasp.colorado.edu/galaxy/display/mms/MMS+Publications>  
[Web of Science](https://www.webofscience.com/wos/author/record/1530218)  
<https://www.webofscience.com/wos/author/record/1530218>  
[Google Scholar](https://scholar.google.com/citations?user=OWZfs-4AAAAJ)  
<https://scholar.google.com/citations?user=OWZfs-4AAAAJ>
- **Public Outreach** (Proposed Highlights, Press Releases)
- **NASA Conference Tracking**
- **SWT Mailing List**
- **Photo Gallery**
- **Mission Success - Program Level Requirements**
- **2020 Senior Review Proposal**
- **2023 Senior Review Proposal**
- **2010 Project Data Management Plan**

### Data and Standards

- **Data Rights and Rules for Use**
- **MMS Team File Share Point**
- **Science Data Center**
- **Data Product Levels**
- **Data Products List**
- **Coordinate Systems Spec**
- **Ephemeris/Attitude info**
- **Units of Measure**
- **File Name and CDF Standards**
- **Plot Standards** <- COLORS
- **CDF and SPASE info**
- **Data Processing: MEC transition, Data Validation**
- **DOI**
- **Acknowledging MMS-funded publications**

### Operations and Software

- **Payload Ops Center**
- **SITL Homepage**
- **MMS Payload Status**
- **SPDF Orbit Plots (now 3 years)**
- **FPI Team Area**
- **SPEDAS for MMS**
- **TDAS Tutorial**