

ISSI team meeting April 2016 - Schedule

Vogt/Masters team: How does the Solar Wind Influence the Giant Planet Magnetospheres?

Jackman/Paranicas team: Structure and dynamics of Jupiter's magnetosphere and boundary regions

Monday, April 25

8:45-9:00	Coffee	
9:00 – 9:45	Welcome, introductions, goals for the week	team leaders
9:45-10:00	Data/model availability table	Ebert
10:00-10:30	Relevant existing and future data sets	Kurth
10:30-10:45	Break	
10:45-11:15	Outstanding questions about Jupiter's aurora, inspired by the March 2016 Juno meeting in Boulder	Paranicas
11:15-11:30	Review of Jupiter's aurora	Bonfond
11:30-12:00	Effects of an ICME on Jupiter's x-ray aurora	Dunn
12:00-12:30	Upcoming HST campaign	Nichols
12:30-2:00	Lunch	
2:00-2:30	UVIS evidence of solar wind influence on the magnetosphere of Saturn	Radioti
2:30-3:00	Solar wind influence on Jupiter's aurora observed by Hisaki	Tao
3:00-3:30	Jupiter auroral images, evidence of radial transport	Badman
3:30-4:00	Discussion, comparison of events/data sets (aurora)	
4:00-4:15	Break	
4:15-4:45	Studying Saturn's magnetopause in situ with Cassini and global modeling of magnetopause processes	Masters
4:45-5:15	Viscous interaction at Jupiter/Saturn (?)	Delamere

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Tuesday, April 26

8:45-9:00	Coffee	
9:00-9:30	Solar wind-magnetopause coupling at the Earth and Mercury	Imber
9:30-10:00	Jupiter magnetopause	Bonfond
10:00-10:30	Is there observational evidence of solar wind coupling to Jupiter's magnetopause?	Ebert
10:30-10:45	Break	
10:45-11:15	Reconstruction, Kelvin-Helmholtz instability, and bipolar magnetic signatures in current sheets	Hasegawa
11:15-11:45	Discussion, comparison of events/data sets (magnetopause processes)	
11:45-12:15	Flux transport	Otto
12:15-1:50	Lunch	
1:50-2:30	Signatures of solar wind control of Jupiter's and Saturn's radiation belts and outer magnetosphere	Roussos
2:30-3:00	Charge states of energetic oxygen and sulfur ions at Jupiter	Clark
3:00-3:30	Energetic particles in Jupiter's magnetosphere and reconnection at Earth	Kronberg
3:30-3:45	Break	
3:45-4:15	Discussion, comparison of events/data sets (particles)	
4:15-4:45	How does the solar wind ram pressure influence Jupiter's magnetosphere?	Chané
4:45-5:15	Evidence for solar wind control of the outer plasma sheet at Saturn	Thomsen

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Wednesday, April 27

8:45-9:00	Coffee	
9:00-9:30	Correlating solar wind events with magnetospheric events from Galileo MAG, EPD, PWS	Vogt
9:30-10:00	Global magnetodisk disturbances at Jupiter (?)	Louarn
10:00-10:30	Reconnection events at Saturn	Smith
10:30-10:45	Break	
10:45-11:15	Sandpile model for Jupiter and Saturn, radio emissions	Reed
11:11-11:45	Solar wind upstream of Saturn/Jupiter, tail reconnection at Saturn and links to PPO system	Jackman
11:45-12:15	Model prediction of solar wind variation at Jupiter and Saturn	Tao
12:15-12:45	Discussion, comparison of data/events (global magnetospheric dynamics, tail reconnection)	
12:45-2:15	Lunch	
2:15-3:15	All-team discussion including: <ul style="list-style-type: none">• What have we learned so far from the talks and discussion sessions, and how does this change our team goals or approach?• How can we achieve our team goals?• What other outstanding science questions should we tackle?• What group projects do we want to work on? Who will be involved in each?	

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Thursday, April 28

8:45-9:00 Coffee

9:00-5:00 Work in small groups, with breaks and lunch

Friday, April 29

8:45-9:00 Coffee

9:00-5:00 Work in small groups, with breaks and lunch

time TBD What's next after Juno and Cassini? Delamere

time TBD full team discussion to review progress, discuss next steps, meeting dates, etc.

Things to think about while preparing your presentation

- 30 minutes for each talk is intended to include roughly 15 minutes of presentation and 15 minutes of discussion (can come during or after the talk). Please do not prepare 30 minutes of slides!
- The purpose of the talks is to introduce your work and data sets/models to the team. Please have 1-2 slides that discuss the following:
 - What outstanding research questions would you like to address with the team?
 - What would you like to get out of this meeting?
 - What do you bring to the team?

The team leaders (Caitriona, Chris, Adam, and Marissa) will compile this information from all the team members to help guide our Wednesday afternoon discussion.