

CAPS Team Meeting #34

Tuesday, May 29, 2007		Presenter
8:45	Welcome & arrangements	Krimigis
9:00	CAPS project status	Young
9:15	Flight operations, software, ground system, archival	Mokashi
10:00	General discussion of current & past ops	All
10:30	Break	
10:45	Science planning (current and extended mission); future ops	Crary
11:00	IBS status	Tokar
11:15	ELS status	Gilbert
12:15	Lunch	
13:00	Update on IMS calibration and group table issues	Shappirio
13:30	Interactive primer on IMS TOF data analysis	Shappirio
14:00	IMS Group Tables	Sittler
14:45	Break	
15:00	IMS moments	Tokar
14:00	Discussion of instrument issues	All

Wednesday May 30		Author	Presenter
9:00	Welcome	Krimigis	Krimigis
9:05	MIDL--Inclusion of CAPS, Khurana model, new features--Recap	Vandegriff	VanDegriff
9:25	The two component energy spectrum and angular distributions of trapped energetic protons at Saturn revisited	T. Armstrong et al	T. Armstrong
9:50	New studies and applications on magnetospheric dynamics using satellite microsignature observations from MIMI/LEMMS	E. Roussos et al	E. Roussos
10:15	Saturn Radiation Environment and Gas-Driven Cryovolcanism	J. Cooper	J. Cooper
10:40	Break		
11:05	Formation of Saturn's ring spokes by lightning-induced electron beams	G. H. Jones et al	N. Krupp
11:20	Observation of dominant O++ ions at 55 keV inside the orbit of Dione (5.5 Rs) within 3 Rs of the equatorial plane	D. Hamilton et al	D. Hamilton
11:40	Analysis of the CAPS and MIMI intercalibrated electron observations in the inner magnetosphere	P. Schippers	P. Schippers
12:05	Saturn's magnetosphere as revealed from energetic particle measurements: CASSINI MIMI/LEMMS results 2004-2007	N. Krupp et al	N. Krupp
12:35	Lunch		
14:05	End Lunch		
14:05	Incorporating Ion-Neutral Interactions Into 3D Multi-fluid Simulations For Studying the Evolution and Interaction of Enceladus' Plume	C. Paty	C. Paty
14:35	Enceladus-magnetosphere interaction	J. Saur	J. Saur
14:55	Rhea interaction with Saturn's magnetosphere	G. Jones et al	N. Krupp
15:25	Break		
15:40	Energetic particle pressures in Saturn's magnetosphere	N. Sergis et al	N. Sergis
16:05	Thermal Ion Flow in Saturn's Inner Magnetosphere	LANL Team	B. Tokar
16:30	Magnetic Storms on Saturn (or, global magnetospheric response to changing solar wind conditions at Saturn)/Saturn energetic particle periodicities and connections to planetary rotation	P. Brandt et al/J. Carbary et al	D. Mitchell
16:55	Periodicities in Saturn's magnetosphere?	T. Hill	T. Hill
17:20	Periodicities at Saturn	A. Coates	A. Coates

Thursday May 31	Author	Presenter
9:00 Inference of mass-loading rate from observed corotation lag	T. Hill	T. Hill
9:25 Tracing Magnetospheric Circulation with Ion Composition at Saturn	LANL Team	B. Tokar
9:50 Electron Pitch Angles in Saturn's magnetosphere	A. Rymer et al	A. Rymer
10:15 Thermal electron observations in Saturn's polar magnetosphere and magnetotail	C. Arridge	C. Arridge
10:40 Break		
10:55 Plasmoids in Saturn's magnetotail	T. Hill	T. Hill
11:20 Auroral UV and ENA image features--correspondences/Auroral ion conics and electron beams	D. Mitchell	D. Mitchell
11:45 Electron Beams in Saturn's Magnetosphere--spatial distribution	N. Krupp	N. Krupp
12:00 Radiation-enhanced gas trapping in icy satellites/Measurements of electron emission statistics	R. Baragiola	R. Baragiola
12:25 Lunch		
13:55 End Lunch		
13:55 Saturn's magnetosphere in the vicinity of Titan	N. Krupp et al	N. Krupp
14:20 Titan exosphere model with superthermal escape/Interactions of magnetospheric ions with the lower Titan exosphere	P. Garnier et al	P. Garnier/I.
14:45 Titan results with INMS and CAPS	D. Young	D. Young
15:10 Break		
15:25 Analysis of data from ELS at Titan	A. Coates	A. Coates
15:50 Titan plumes/blobs and the composition thereof	A. Eviatar	A. Eviatar
16:15 Open issues concerning Titan's mantle	K. Szego	K. Szego
16:40 Pickup Ion Phase Space Distributions at Titan: Effects of Atmospheric Spatial Gradients	E. Sittler	E. Sittler
17:05 Energetic ion energy deposition in Titan's atmosphere	D. Mitchell, K. C.	D. Mitchell
	Hsieh	