

**Agenda**  
**CAPS Team Meeting #30**  
**April 20-22, 2005**  
**Goodenough Club**  
**London, England**

**9:00 AM Wednesday April 20**

Welcome, local arrangements, agenda Coates/Young

**CAPS Status-Part 1**

9:05 Project status Young

9:30 Flight operations, software, ground system, archival Crary

10:30 General data analysis issues All

11:00 Science planning and operations (including extended mission) Crary

12:00 Lunch

**1:00 PM CAPS Status-Part 2**

1:00 IBS status Barraclough

2:00 ELS status Linder

3:00 IMS-Overview & performance Crary

IMS-Calibration Goldstein/Shappirio/Reisenfeld

IMS-Data analysis (including moments discussion) Thomsen/Reisenfeld/Sittler

IMS-Future operations All

6:00 Adjourn

**9:00 AM Thursday April 21--Discussions Jointly with the MAG Team**

**BOW SHOCK and MAGNETOPAUSE**

Low frequency upstream waves Bertucci

Structure of the foreshock Bertucci

Mirror mode waves in the lower magnetosheath Bertucci

Plasma depletion layer near the magnetopause Arridge

**MAGNETOSPHERE**

Physical properties of the plasma sheet Arridge

Diamagnetic cavities Arridge

Injections/cavities in outer magnetosphere Rymer

Injection event statistics Crary

Observations of transport via interchange instability Andre

Mapping along magnetic field lines Andre

Electron populations: Comparison of Saturn and Earth Rymer

**ICY SATELLITES**

Waves during Enceladus flybys Bertucci

Signatures related to water-group ions within the magnetosphere Bertucci

Electron signatures at icy satellites McAndrews

**TITAN**

INMS Ta/T5 preliminary observations Mueller-Wordag

Titan magnetic tail boundary Bertucci

Comparisons of Titan observations Ta, Tb, T3, T4, T5 Coates

**9:00 AM Friday April 22**

**Science Discussions continued**

**RINGS & ICY SATELLITES**

Thermal plasma observations/modeling near the main rings

Oxygen & Nitrogen at the icy satellites

Ring ionosphere

Ring electrons

Tokar

Baragiola

Bouhram

Coates

**MAGNETOSPHERE**

Magnetosphere global structure

Work on Enceladus TOF data

The nitrogen story continued

Inner magnetosphere moments

Thomsen

Goldstein

Smith

Sittler

**TITAN**

Titan velocity distributions

Szego

**IMS Splinter meeting**