

Monday, July 1, 2013

9:00-9:15: Introduction

9:15-9:45: Welcome to ISSI [Maurizio Falanga, Program Manager]

Session 1: Saturn's Equatorial regions

9:45-10:15: Comparison between equatorial emission at the three planets [Henrik Melin]

10:15-10:45: Ground-based observations of Saturn's Ring-Ionosphere interaction [James O'Donoghue]

Coffee break: 10:45-11:15

11:15-12:30 Session Discussions

Lunch: 12:30-14:00

14:00-14:30: Cassini ionosphere occultation observations relating to the ring rain [Andy Nagy]

14:30-15:00: Preliminary results from modelling water influx into Saturn's equatorial region [Luke Moore]

15:00-15:30: Small-scale variability in Saturn's ionosphere [Katia Matcheva]

Coffee break: 15:30-16:00

16:00-17:00 Session Discussions

Tuesday, July 2

9:00-9:30: Modeling work in preparation for the Proximal Mission [Darrell Strobel]

Session 2: Jupiter's equatorial region

9:30-10:00: Ground-based observations of Jupiter's equatorial region [Henrik Melin]

9:30-10:30: Cassini observations of night side H_3^+ emission [Tom Stallard]

Coffee break: 10:30-11:00

11:00-12:00 Session Discussions

Lunch: 12:00-14:00

14:00-14:30: Deriving H_2 vibrational from equatorial H_3^+ observations [Luke Moore]

14:30-15:00: Gravity wave distribution of energy into Jupiter's ionosphere [Katia Matcheva]

Coffee break: 15:00-15:30

15:30-17:00 Session Discussions

Wednesday, July 3

Session 3: Jupiter's auroral region

9:00-9:30: Recent observations of Jupiter's auroral region [Tom Stallard]

10:00-10:30: Hydrocarbon aurora at Jupiter [Tim Livengood]

Coffee break: 10:00-10:30

10:30-12:00 Session Discussions

Lunch: 12:00-14:00

14:00-14:30: Jovian polar atmosphere deduced from model compared with ground-based observations [Chihiro Tao]

14:30-15:00: Modelling asymmetries and temporal variations in Jupiter's aurora [Licia Ray]

Coffee break: 15:00-15:30

15:30-17:00 Session Discussions

Thursday, July 4

Session 4: Juno

9:00-9:30: Introduction to JIRAM instrument [Alberto Adriani]

9:30-10:00: Introduction to UVS instrument [Randy Gladstone]

Coffee break: 10:00-10:30

10:30-11:30 Session Discussions

Lunch: 11:30-14:00

Session 5: Community support for Juno

14:00-15:00: Observational support for Juno

Coffee break: 15:00-15:30

15:30-17:00: Modelling support for Juno

Friday, July 5

Session 5: Comparison between IR and UV emission

9:00-9:30: Observational comparison of aurora UV and IR emission at Jupiter and Saturn [Melin & Stallard]

9:30-10:00: UV-IR comparison estimated from our emission model [Chihiro Tao]

Coffee break: 10:00-10:30

10:30-12:00 Session Discussions

Lunch: 12:00-14:00

Session 6: Conclusions from the ISSI meeting

14:00: Review of findings for the meeting, list of current questions and actionable items