

ISSI Team: Kinetic Plasma Processes at Airless Bodies
Meeting 1: 12 – 16 November – Tentative Agenda
(all times should be considered approximate)

Monday, 12 November: **Focus on Modeling Capabilities**

09:00 Welcome, Introduction, Overview of Stated Goals

10:00 Modeling Capabilities – 30 minute presentations + time for discussion (~ 1 hour total)
Kallio – Hybrid

10:45 coffee break

11:15 Modeling Capabilities (continued)
Holmstrom/Fatemi – Hybrid

12:00 break for lunch (1.5 hours)

13:30 Modeling Capabilities (continued)
Pope – PIC

coffee break

Capabilities (continued)
Brain?

Synthesis/Discussion

17:00 adjourn

Tuesday, 13 November: **Focus on Observational Capabilities**

09:00 Observational Capabilities – 30 minute presentations + time for discussion
Wurz – Chandrayaan-1, IBEX (*tentative – as his schedule permits*)
Futaana – Chandrayaan-1, MEX

coffee break

Observational Capabilities (continued)
Saito – Kaguya

12:00 break for lunch

13:30 Observational Capabilities (continued)
Halekas – Artemis
Fillingim – Artemis/Lunar Prospector
Jones – Cassini

coffee break

Roussos – Cassini

Synthesis/Discussion

17:00 adjourn

Team dinner (location to be determined)

Wednesday, 14 November: **Focus on Science/Event Presentations**

09:00 Science/Event Presentations by topic – 30 minute presentations + time for discussion

1. surface interactions (photoelectrons; reflected/backscattered plasma)
2. small-scale (electric and) magnetic field interactions (reflected plasma)
3. exosphere interactions (pick-up ions)
4. wake infilling (charge separation; particle beams)

Structure for each topic:

- a few presentations
- discussion
- synthesis/commonalities

Structure for each presentation:

- overview
- process/formation
- non-equilibrium characteristics
- consequences (e.g., waves, heating, etc.)

[in practice, these presentations will be by person rather than by topic since several people will cover more than one topic]

Presentations so far by Brain, Futaana, Halekas, Jones, Roussos, Fatemi, and Poppe with extra time for walk-ons if necessary

Thursday, 15 November: **Focus on Science/Event Presentations and Future Plans**

09:00 Science/Event Presentations by topic (continued)

12:00 break for lunch

13:30 Future Plans (only if Science/Event Presentations are complete)

- Combining observations and models
- What topics are most interesting/compelling?
- Where can we make progress?
- What future observations would we like (ARTEMIS, MEX, Rosetta, Cassini, ?)
- What are our desired outcomes? (not just review papers)

Friday, 16 November: **Focus on Future Plans**

09:00 Future plans (continued)

afternoon

adjourn