

RENU 2 Science Workshop

Wednesday, 1 June 2016

8:30 AM – Gather at the Courtyard Marriott, Merrimack Room. Light pastries and refreshments will be served. The hotel is located at 700 Huse Rd, Manchester, NH.

Skype call-in information: To be added to the conversation Contact Meghan Harrington (Skype: harrington.meghan). She will add you to the discussion.

9:00 AM – Marc Lessard: Opening remarks, UNH data overview, E-field overview
- Noora/Pål - Optics discussion

10:00 AM – Dartmouth data overview

11:00 AM – Aerospace data overview

12:00 PM – Lunch

1:30 PM – Detailed data presentations (~10 min each):

- EPLAS (GF correction): David Kenward
- UV PMT (DMSP comparison): Bruce Fritz
- Racetrack Mag: Kristoff Paulsen
- COWBOY: Spencer Hatch
- Anyone else that would like to have more time to discuss their instrument/data

2:30 PM – Modeling discussion

- Geoff Crowley, ASTRA modeling group
- Meghan Burleigh, ERAU modeling group
- Brent Sadler, UNH model
- Aerospace model (?)

5:00 PM – End of day

6:00 PM – Group dinner (location TBD)

Thursday, 2 June 2016

8:30 AM – Gather for light pastries, coffee, etc

9:00 AM – Science topic discussion (not totally inclusive merely a list to spur discussion)

1. Model results (Crowley, Sadler, Aerospace, Zettergran, Varney, Zhang?)
2. Neutrals above the payload from UV PMT; comparison to sussi
3. N₂⁺ sunlit aurora
4. Current closure? Kristina
5. (Roger V) ambipolar field from EISCAT
6. Alfvénic signatures?
7. Electron precipitation versus ion heating - spatial aspects?
8. ELF polarization (Roger V?)
9. Mag signature compared to ground (UNH)
10. Stepped ions and electrons; connection to reconnection?

12:00 PM – Lunch

1:30 PM – Open forum discussion

5:00 PM – End of day