

Minutes of Meeting

Time & Date: 13:00 - 14:00, 25/01/23

Location: B24 Physics Building

Attendees: Rhys Price, Isaac Wetton, Hannah Bywood, Kate Hamilton, Michal Krzyzanowski, Kristian Dimitrov.

Progress since last meeting (Job - Status) :

- NA

Items to discuss :

- Finalise topic focus
- Presentation slides
- What to do in labs
- When group and advisor meetings

Any decisions made :

- Focus on magnetic field interactions between Ganymede and Jupiter. Look into how these fields change trajectory of particles striking Ganymede. How aurora form on Ganymede.
- Order of speakers: Hannah, Isaac, Michal, Kate, Kristian, Rhys.
- For labs, Isaac and Michal focus on data collection, Hannah, Kate and Rhys focus on theory, Kristian focus on magnetic simulations.
- Group meeting on 01/02/23, 12:00 in library. Possible advisor meeting on 31/01/23, 11:00 - 14:00.

Jobs until next meeting (Person(s) - Job) :

- (Kristian) - Looking into simulating magnetic dipoles, create a simple 2 body system between Jupiter and Ganymede.
- (Isaac) - Find relevant data for magnetic fields. Began to plot said fields and trajectory of flybys.
- (Kate) - Look into why Ganymede has a dipole and produce relevant sources. Look into plasma shifts and how the field changes over 5 hour periods (titled magnetic axis).
- (Michal) - Help Isaac with data collection and plots.
- (Hannah) - Create Gantt chart and main overview, look for plots we can produce.
- (Rhys) - Look into how aurora form and weathering on Ganymede.