

Summary of Reconnection Group

- Science/Orbit

Tail RX vs. MP RX **BOTH**

... Equatorial orbit is not perfect for MP RX

but, acceptable to achieve Priority 5.

10 Re perigee (MP skimming) is not necessary.

- Formation

- Tetrahedron at the apogee is not perfectly suitable for MP RX.

- Fuel budget vs. science question

- Instrumentation

- Mass Composition ... “one” is enough for monitoring the environment

- Discussions

- Energetic Electrons ... The energy range at least up to 100 keV.

- MeV electrons? To address what is the maximum acceleration achieved by RX is **THE** scientific question.

- Measurement of Tail RX ... It is hard to exactly measure cold lobe ions and electrons -> Minimum number of s/c with maximized instruments is better / or a big mother s/c with the decent daughters.

- The electron scale s/c formation ... The curlometer is required.