

I was working mainly with Prof.Dr.Ir.Johan De Keyser, Head of the Space Science Division at Royal Belgian Institute for Space Aeronomy (IASB-BIRA) on the reconstruction of the magnetopause position. We were discussing number of issues related to the MIM code that is used for the magnetopause reconstruction technique. The outcome is that the code has to be improved (e.g. some routines improved as interpolation, sample...) and adjusted to work on different platformes (UNIX, WINDOWS). These is planned to be done in the near future. Using other satellites beside CLUSTER that we used so far was agreed.

Deep discussion and analyses have been done on the reconstructions performed together in the past via e-mail communication only. Different specific observed features via multi satellite crossings were discussed. A great progress have been made in my understanding of the reconstruction technique and interpretation of the model results. This will help to speed up my work on that topic in Croatia. Important to mention is that in Croatia (so-called 'inclusiveness country') there is no expert for the magnetopause, and the only scientist with which I can work related to this topic IN Croatia is Associate prof. Giuli Verbanac (Faculty of Science, University of Zagreb) who tries to establish the space science in Croatia.

This visit and further planed work with Prof.Dr.Ir. Johan De Keyser will help Croatia to take a stronger part in the network of European space science community.

Dr. Mario Bandic