

Topical Discussion Meeting report

A Topical Discussion Meeting aims at active participation or interaction between the participants. The participants work and discuss on a predefined theme or problem heading towards an outcome or target. A working meeting is a 1h 15min informal afternoon meeting with NO abstract submission form and therefore NO poster contributions.

Name of the meeting: Using the Ny-Ålesund facilities for space weather purposes

Conveners: Jean Lillensten and Yngvild Andalsvik

Data – Time – Room: Friday, 9th. MTC 00.15, Small lecture room

Nr of participants: 10

Objective of the TDM

Svalbard is a unique place to develop middle and upper atmosphere studies. Several scientific bases already address such researches, in Longyearbyen, Hornsund or Ny Alesund.

The Ny Alesund Science Managers Committee (NySMAC) was established to enhance cooperation and coordination among researchers and research activities in Ny-Ålesund. Its most recent Atmosphere Flagship program includes for the first time a working group devoted to middle and upper atmosphere research (<http://nysmac.npolar.no/research/flagships/>), especially space weather activities. This is a new and important way to strengthen international collaboration and develop further our space weather researches.

This Flagship program is community driven. This topical discussion aims at (i) presenting the already existing facilities in Ny-Ålesund, Longyearbyen, Hornsund or more largely in the Arctics, (ii) to ease and promote multi-instrument campaigns, (iii) to exchange data and knowledge on the polar middle and upper atmosphere and (iv) invite participants to participate to multi-instruments future campaigns.

Some discussion highlights

- UNIS in Longyearbyen indicated their interest in expanding their instrumentation to Ny-Ålesund and thus had an interest in this WG.
- SRC/CBK with instruments on Svalbard were interested in participation and collaboration as well
- Elisabeth MacDonald from NASA working with the Aurorasaurus project was also curious if Ny-Ålesund and Svalbard could be interesting in connection with her projects.

Main conclusion of the meeting

The meeting concluded that there is several possibilities for further collaboration utilizing facilities in Ny-Ålesund. There was interest for a meeting in the WG with further discussions, possibly held at UNIS. The

15th European Space Weather Week, November 5 – 9, Leuven

community is, however, not very large. UNIS has been in contact after the TDM for further planning and collaboration.

Annexes

- Presentation from the TDM