

EISCAT NORWAY Newsletter

Save the dates:

EISCAT User Meeting, Upsala and Zoom, ?
May 2026

EISCAT Radar School, Kilpisjärvi, 17-21
August 2026

EISCAT Symposium and 49 AM, Kiruna 24-28
August 2026

New FRIPRO project:

Congratulations to Noora Partamies, UNIS et al. with the GHOST - Auroral emission intensities — from validation to prediction (project no. 354137)

Special Observation Runs:

RENU3 rocket launched

<https://andoyaspace.no/news-articles/nasa-investigates-satellite-speed-bump/> EISCAT Svalbard Radar supported the NASA Rocket Experiment for Neutral Upwelling 3 (RENU-3) campaign. The rocket was looking at neutral upwelling associated with the cusp.

The radars realtime observations of upflow and heating associated with dayside auroral forms were instrumental in the decision to launch the Black Brant XII rocket at 09:52 UT from Andøya Space on 23rd November 2025.

A big thank you to the EISCAT Svalbard staff for their support and hard work.

Maxidusty 2 campaign:

<https://en.uit.no/project/maxidusty2>

MXD-2 was successfully launched from Andøya on 5. July 2025. studies dust interactions in the mesosphere /lower thermosphere with in-situ measurements

at 70 to 110 km altitude and collection of dust samples. Participating institutions are Department of Physics and Technology, UiT Tromsø, Arctic University of Norway, (UiT); Department of Meteorology, Stockholm University (MISU), Sweden (MISU), Leibniz Institute of Atmospheric Physics at the University of Rostock, Germany (IAP), Department of Physics, University of Oslo, Oslo, Norway (UiO. Funded by ESA-PRODEX.

Supporting observations were made from ALOMAR and with EISCAT. EISCAT VHF was operated with the MANDA mode measuring conditions above the Tromsø region around 120 km from the launch site. Measurements were made during several days of the campaign approximately 6:00 to 13:00 UT.

A big thank you to the EISCAT Ramfjord staff for their support and flexibility in scheduling the observations.

Observational time on the radars:

As of now we are accepting time applications for the UHF, VHF and ESR systems only. Updates regarding EISCAT-3D will follow as and when.

Please note the next deadline to apply for Norwegian time is **15th January 2026** (for experiments to be run 1/3/2026 – 31/12/2026).

There will be a second deadline on August 20th 2026 (for experiment to be run from 1/11/2026 – 28/02/2027).

Further information can be found on the UiT/EISCAT website:

https://en.uit.no/prosjekter/prosjektsub?p_document_id=487937&sub_id=590083

Remember that you need to have an account with the EISCAT VO to schedule experiments and download data. Information can be found on the website:

https://en.uit.no/prosjekter/prosjektsub?p_document_id=487937&sub_id=590083

For Norwegian users – use your FEIDE login details.

Any questions about applying for time / scheduling experiments, email Lisa Baddeley: lisab@unis.no

EISCAT Heating project:

The Heating Workgroup is continuously working towards a renovation of the current Heater and eventually building a new Heater in Skibotn. We are currently writing the Science Case for the new Heater. If you want to join the effort, have comments or suggestions, you can contact Thomas Ulich or Theresa Rexer. If you are interested in what needs to be done for the renovation or funding of the current Heater, you can also contact these two.

EISCAT Norway 2025 Project:

Norwegian membership in EISCAT: is funded by the Research Council of Norway (Contract no 350179 EISCAT2025) Please acknowledge in publications with EISCAT data.

The project reference group includes Prof. Ingrid Mann, (chair), UiT; Prof. Kjellmar Oksavik, UiB; Dr. Martin Fluegge, AS; Prof. Lasse Clausen, UiO; Prof. Dag, Lorentzen, UNIS. Dr. Inger Solheim, UiT is the project administrator and Prof. Lisa Baddeley, UNIS, is observation time coordinator.

Norwegian participation in EISCAT AB Committees

Board member: Aslak Tveito

Newsletter from the Norwegian EISCAT Norway Group Norway ([EISCAT Norway | UiT](#))
e-mail: EISCAT_Norway@uit.no

Associates forum members: Pål Sørsgaard (RCN), Ingrid Mann (UiT)

SAC member: Lasse Clausen (UiO)

Publications:

Brindley, N., Madhanakumar, M., Spicher, A., Whiter, D., Oksavik, K., & Ogawa, Y. (2025). Intense dynamic optical auroral sub-structure as a proxy for ionospheric density irregularities. *Journal of Geophysical Research: Space Physics*, 130(11), e2025JA033999.

Huyghebaert, D., Vierinen, J., Kero, J., Mann, I., Latteck, R., Kastinen, D., ... & Chau, J. L. (2025). Examining the Altitude Dependence of Meteor Head Echo Plasma Distributions with EISCAT and MAARSY. *Advances in Space Research*.