

SLICE - a new meteor radar in Finnish Lapland

Thomas Ulich¹, Juha Vierinen¹, Neil Arnold², Chris Thomas²,
Carl-Fredrik Enell¹, Antti Kero¹

¹*Sodankylä Geophysical Observatory, Sodankylä, Finland*

²*Dept of Physics and Astronomy, University of Leicester, Leicester, UK*

e-mail: thu@sgo.fi

The Department of Physics and Astronomy of the University of Leicester has installed a new SKiYMET Meteor Radar at the Sodankylä Geophysical Observatory (SGO), Sodankylä, Northern Finland (67° 22' N, 26° 38' E). SGO will operate the radar as part of the joint research endeavour SLICE (Sodankylä-Leicester Ionospheric Coupling Experiment).

The radar has seven crossed dipole aeriels in a cross configuration (14 receiver channels) and one crossed dipole transmitter antenna. It operates currently at 7.5kW power, which will be upgraded in the near future to 15 kW; centre frequency is 36.9 MHz. Operations began in early December 2008.

Here we will present some first results. We invite colleagues interested in the data to get in touch with us (thomas.ulich@sgo.fi). Furthermore we wish to point out that the final deadline for our FP7 Transnational Access project LAPBIAT will be in October 2009. The project, which ends in October 2010, provides full funding for collaborative visits to SGO.

- POSTER -