

# Sodankylä Geophysical Observatory – Monitoring Space Weather on the Ground

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Sodankylä Geophysical Observatory has been monitoring the near-Earth space environment since the start of geomagnetic field measurements in 1914. Today, SGO is one of the most versatile observatories at the high northern latitudes operating at 25 sites in Northern Fenno-Scandinavia operating more than 70 instruments and producing hundreds of data products forming some of the longest, high-quality time series of space weather observations. While all of these data are available to support your space mission, SGO also serves as a platform for your instruments in the European Arctic.

Recently, together with other geophysical observatories in the Nordic countries, we have established the Nordic Observatory Collaboration. Currently there are six partner institutes, which together operate a wealth of space weather instrumentation in Finland, Sweden, Norway, and on Kola Peninsula (Russia). The aim of the group is to co-ordinate more efficiently spatial instrument coverage, collaborate in instrument development, and jointly apply for funding where possible. Furthermore, NOC has established a number of performance metrics for observatories.

Here we present an overview of the SGO Observation Programme and the Nordic Observatory Collaboration and give updates on recent developments.

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