

Comparison of magnetic activity in Greenland and Nordic countries

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Abstract

We will examine geomagnetic activity from Greenland and IMAGE magnetic observations. Geomagnetic activity maps for the Greenland and IMAGE magnetic field measurements will be produced. The maps will be produced separately for the different months where the seasonal variation will be examined. We will compare geomagnetic conditions during winter and summer separately to examine in detail the differences and similarities. The Greenland magnetic field measurements will be used to estimate the geomagnetic field variation between Svalbard and northernmost tip of Norway, where we lack magnetic measurements due to the Arctic Ocean.