

# SSA SWE RTIM

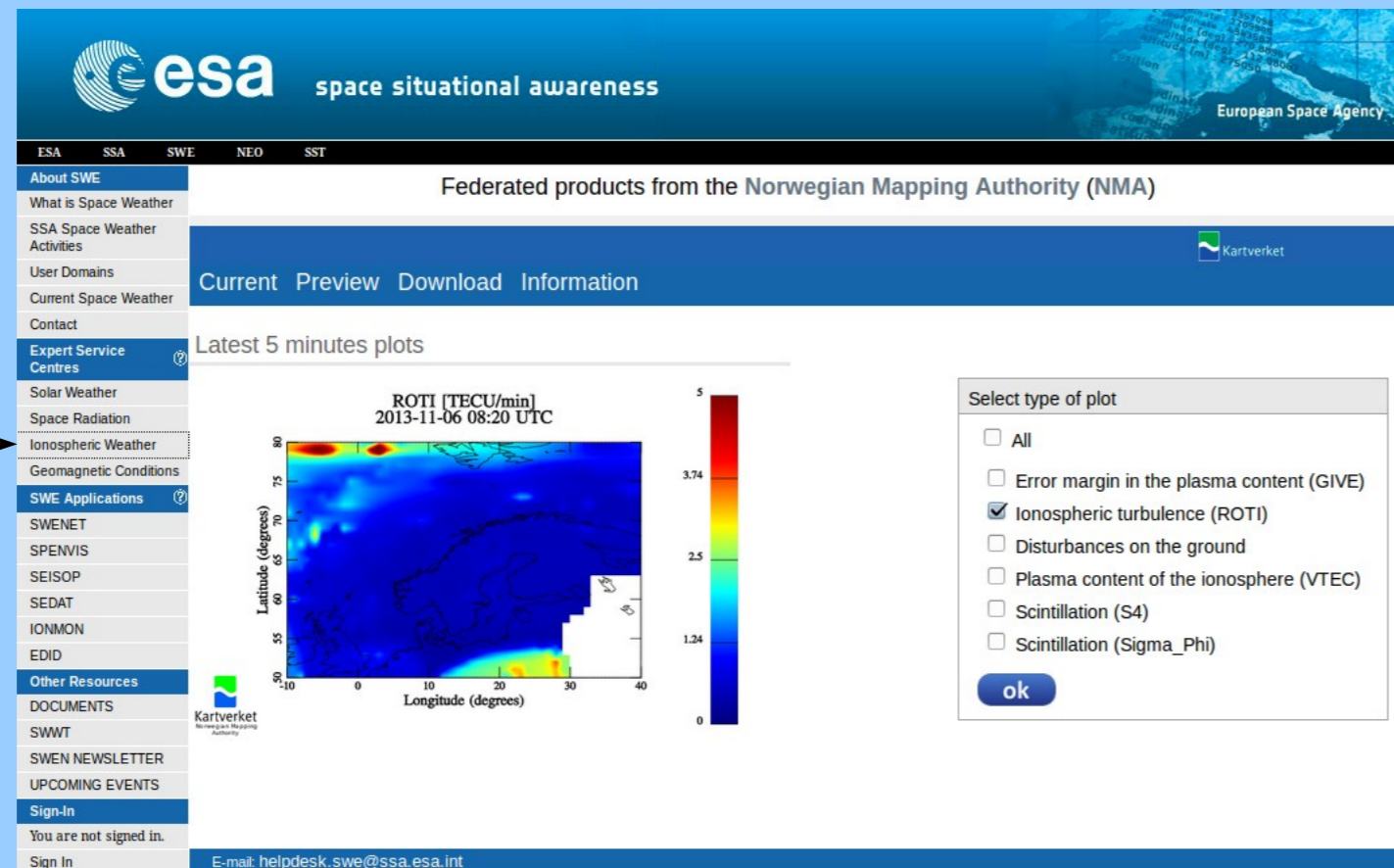
## Real-Time Ionospheric Monitoring service for high latitudes

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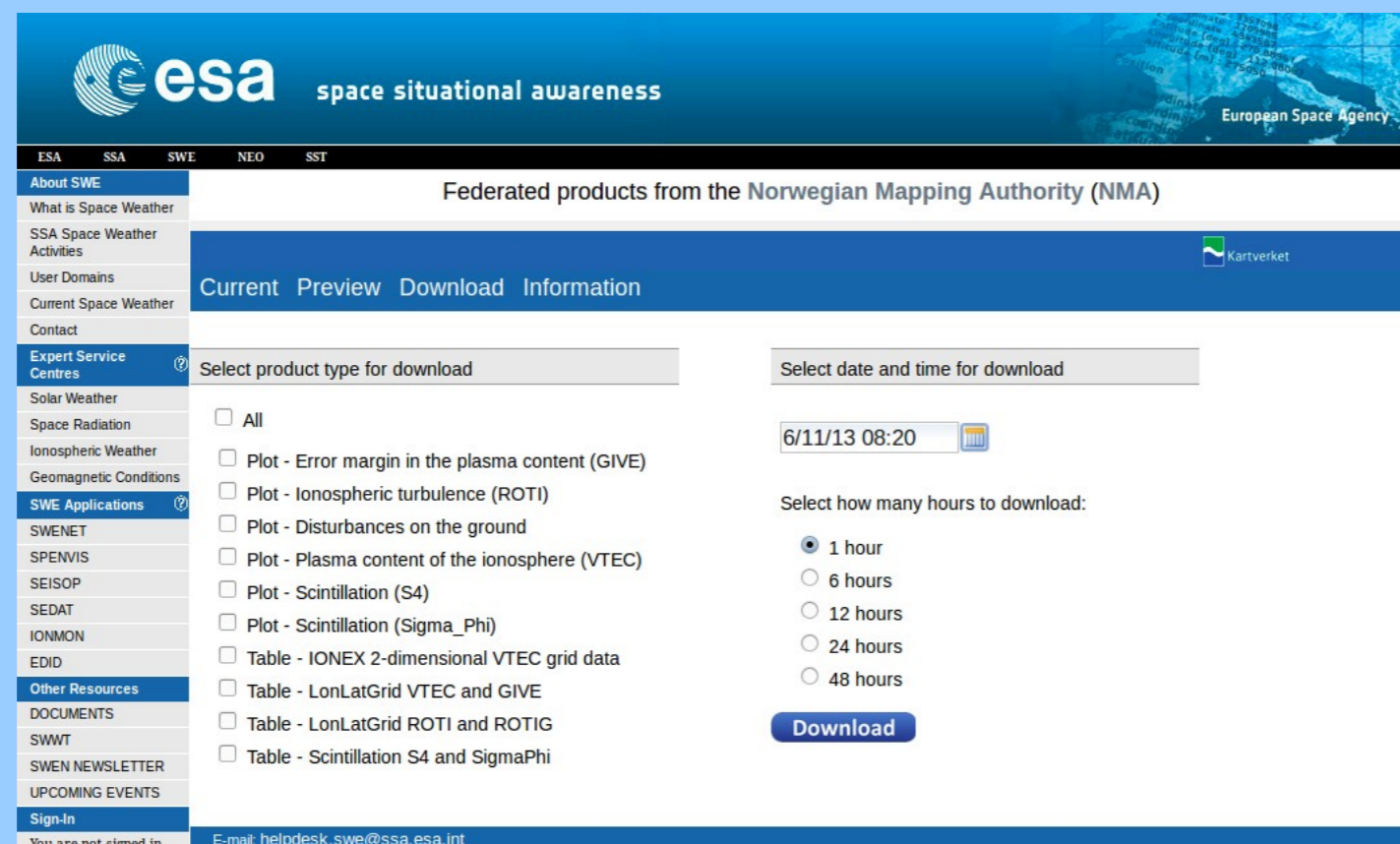
(Norwegian Mapping Authority)

### Contents of the service

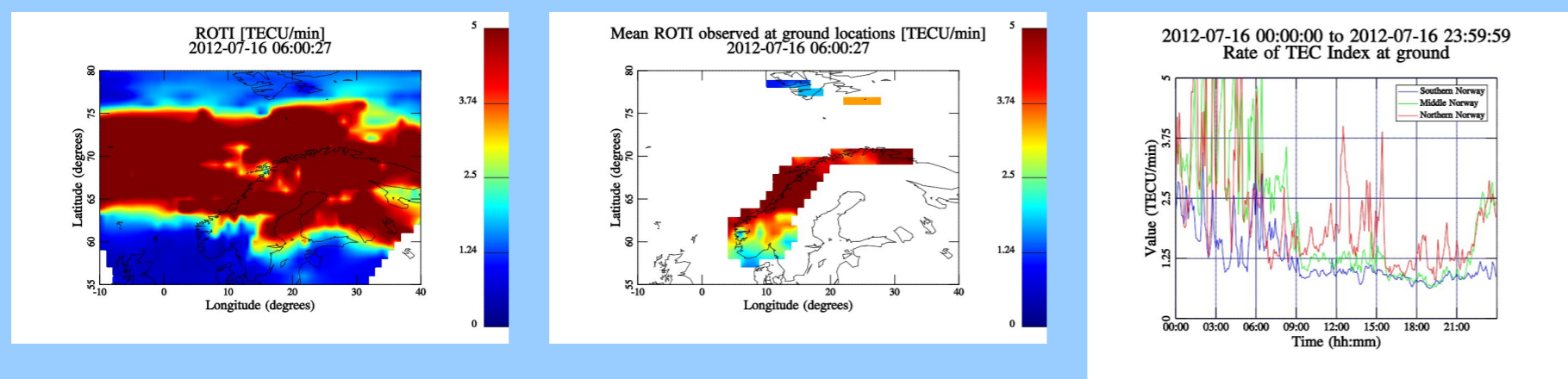
RTIM is part of the Ionospheric Weather ESC



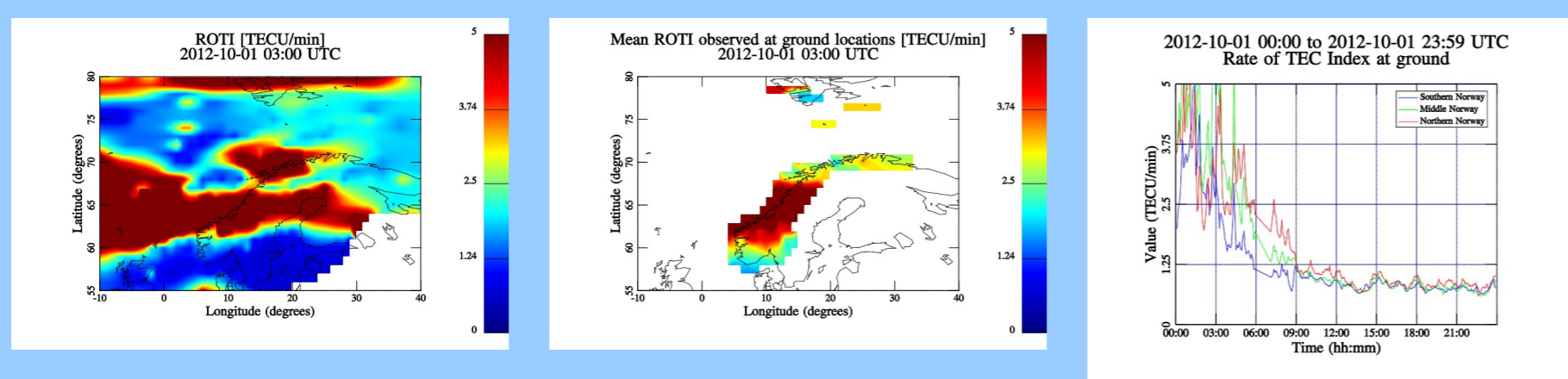
Real-Time TEC, ROTI & Scintillation plots



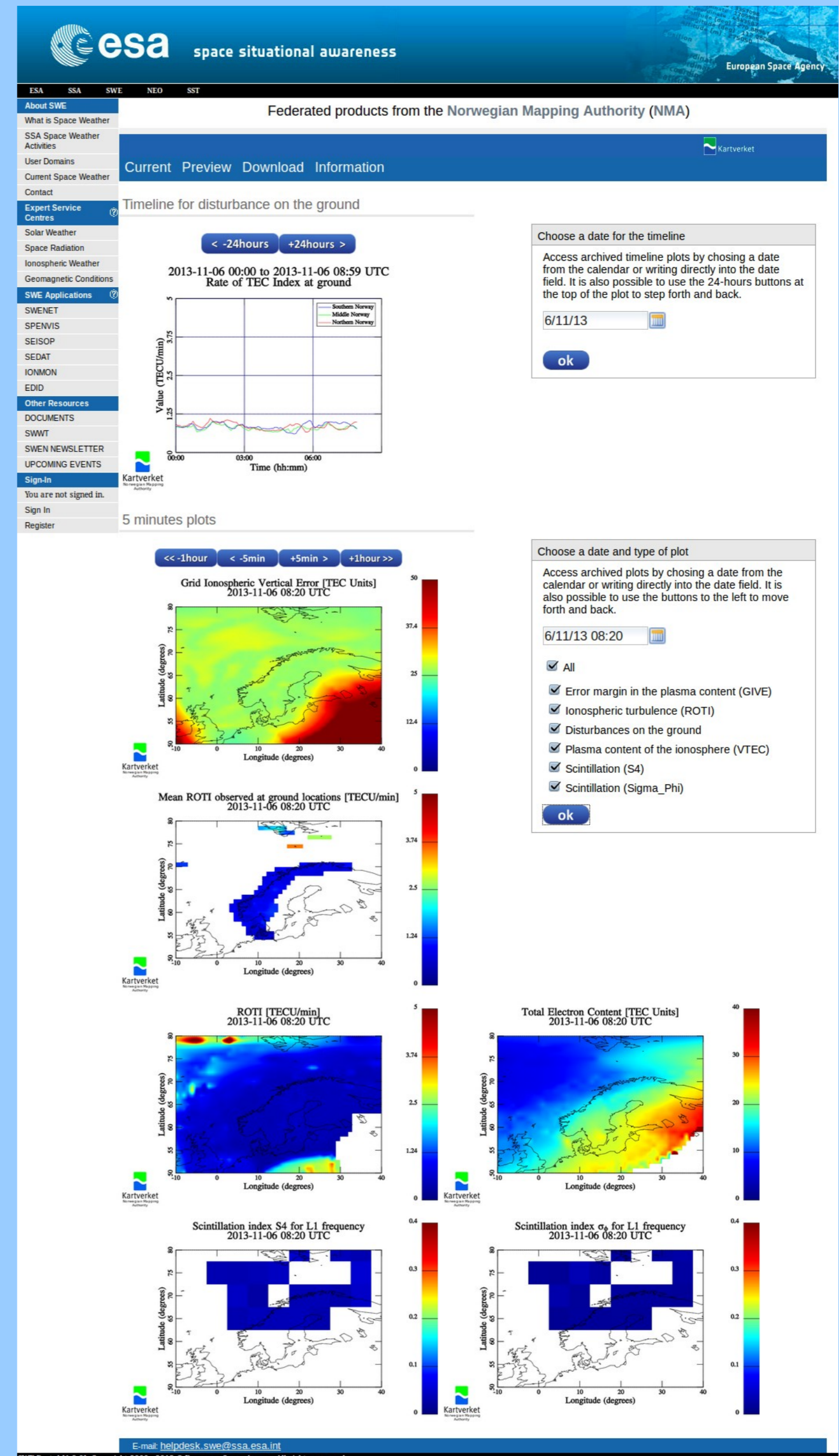
Download of data files for all data products



Examples of some plots during a geomagnetic storm



Examples of some plots during a geomagnetic storm



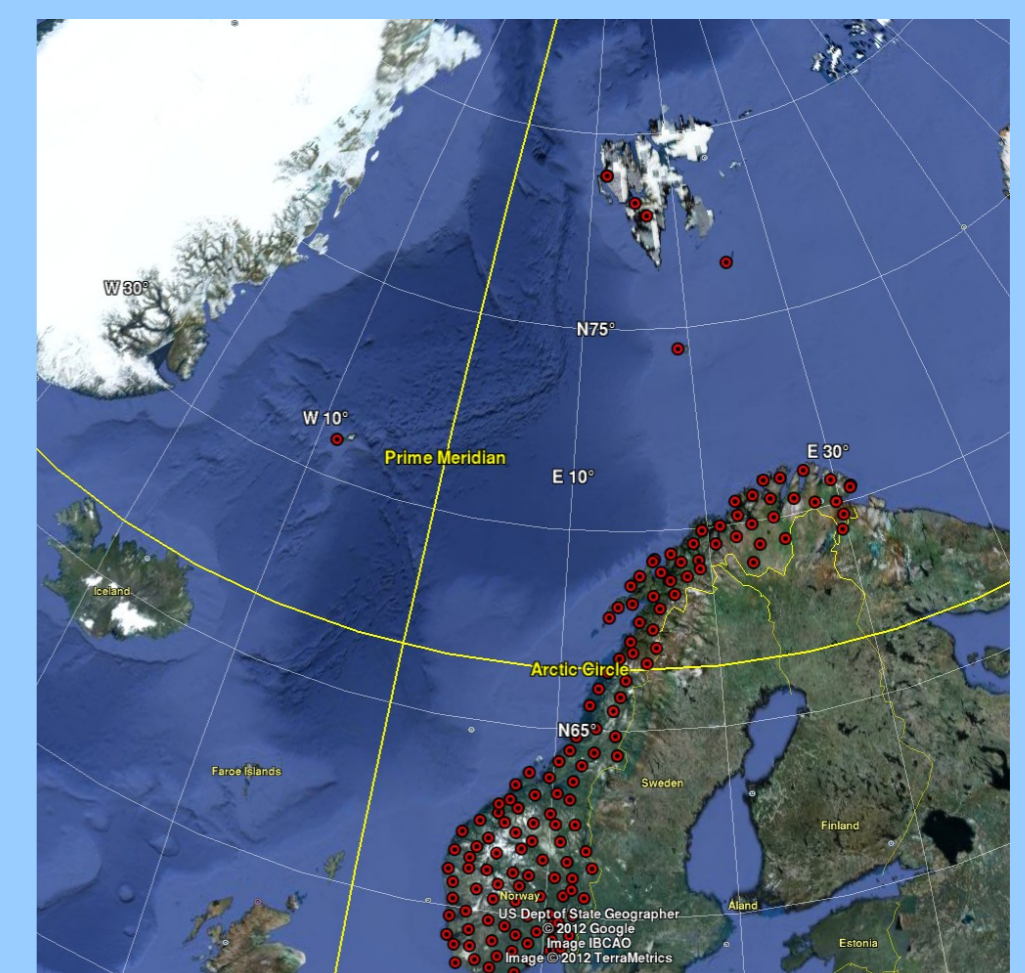
Archive of TEC, ROTI & Scintillation plots, and daily time series of ROTI

### Data sources and other information

The service is based on NMAs receiver network (see image), plus some receivers from cooperating agencies in Sweden (Lantmäteriet) and Denmark (Danish Geodata Agency).

Spatial resolution is 1x1 degrees for TEC and ROTI maps, and 5x5 degrees for scintillation maps.

Time resolution is 5 minutes for all maps, and 5 minutes or less in all data files.



NMAs GNSS receiver network

### Future development

NMA is currently deploying a network of scintillation receivers, which will improve the scintillation data products. (More data and increased resolution for the scintillation maps)

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