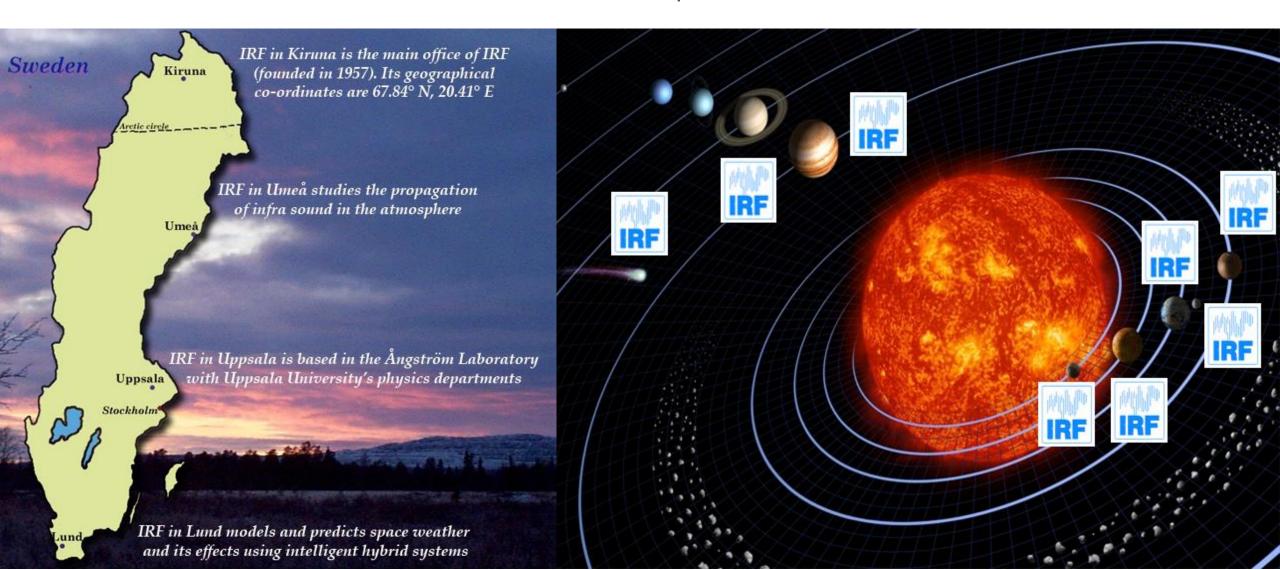




NORTHERN LIGHTS JOHAN KERO

Head of Solar Terrestrial and Atmospheric Research



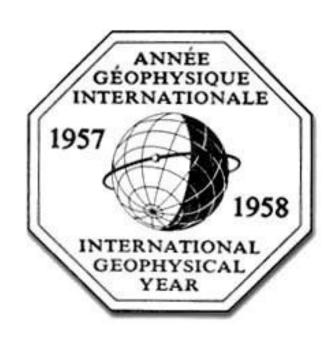


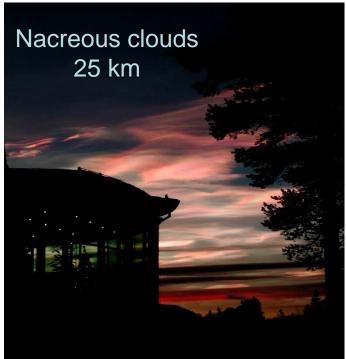
Why in Kiruna?

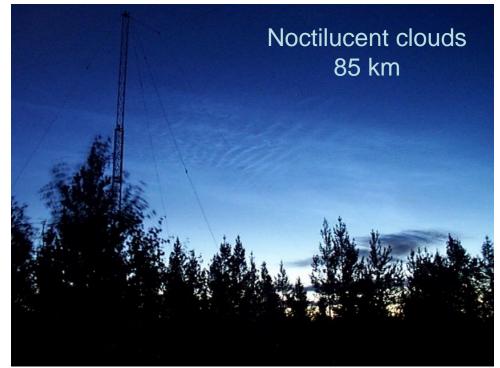
Natural assets:

- Space physics: the auroral oval
- Atmospheric research: the polar vortex and (sub-)arctic environment

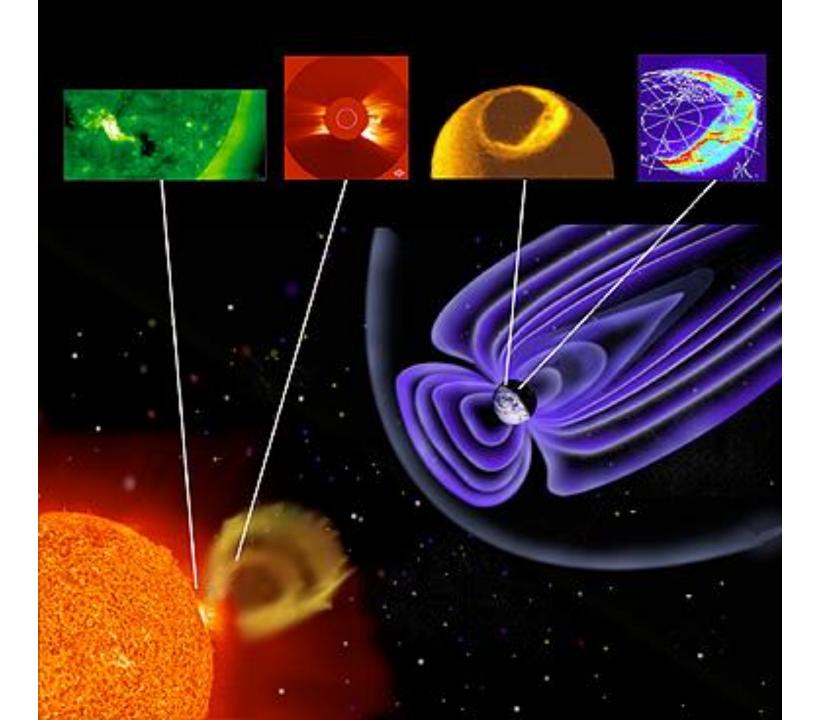




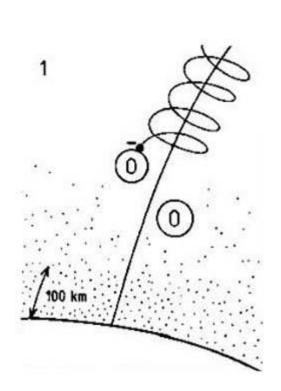


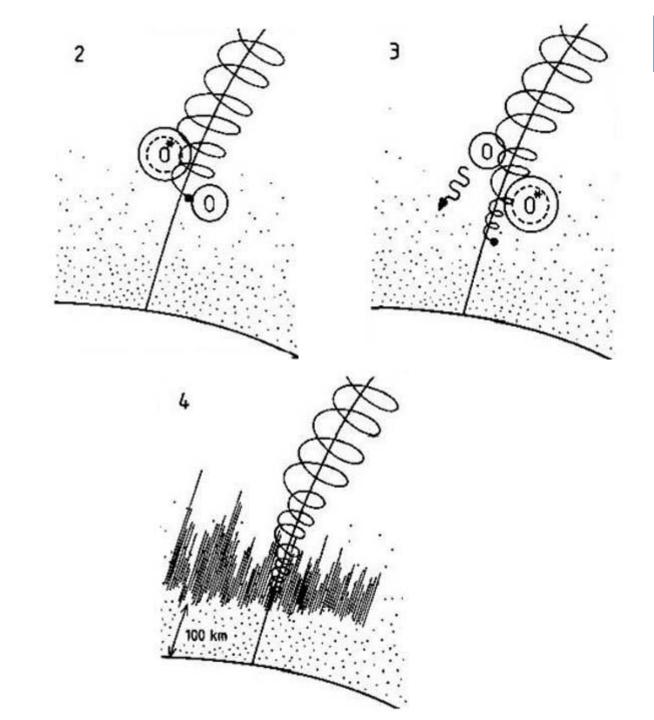




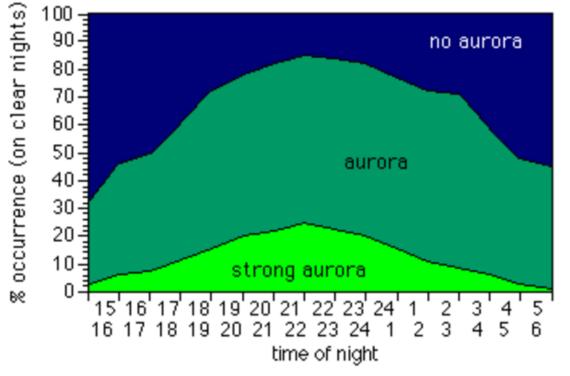






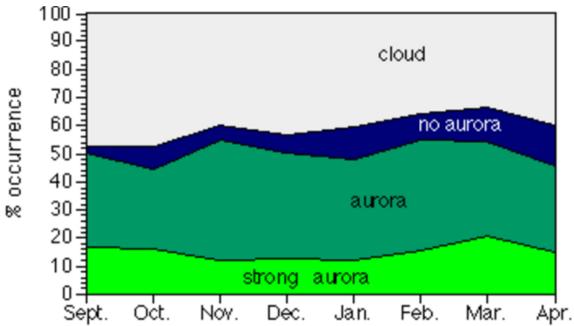






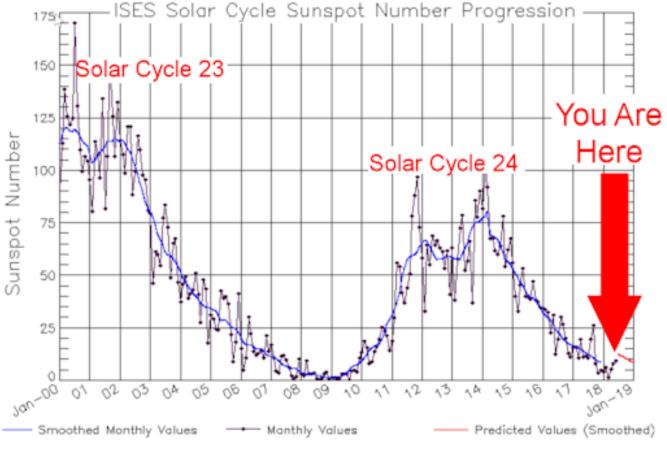
Probability of seeing aurora in Kiruna if you watch for one hour (11-year solar cycle mean)

UT local time









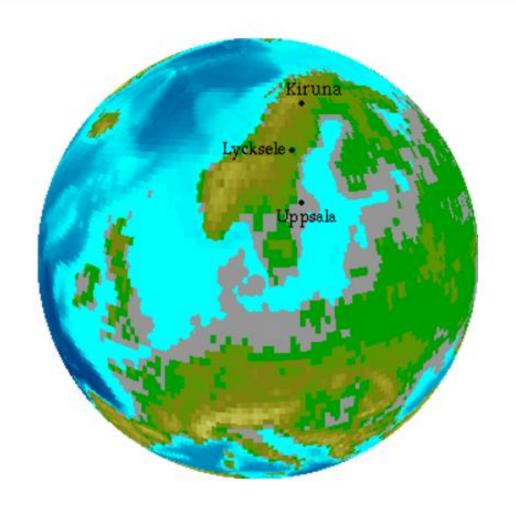
Updated 2018 Jul 9 NOAA/SWPC Boulder,CO USA



Observatory

Swedish Institute of Space Physics

Magnetometers | Riometers | All-sky camera | Ionosondes | Weather station | Infrasound measurements



Kiruna:

- magnetometer
- riometers
- all-sky camera
- ionosonde
- weather station
- infrasound measurements

Lycksele:

- magnetometer
- riometer
- ionosonde
- infrasound measurements

Uppsala:

ionosonde



space situational awareness

European Space Agency

ESA

SSA

SWE

SST

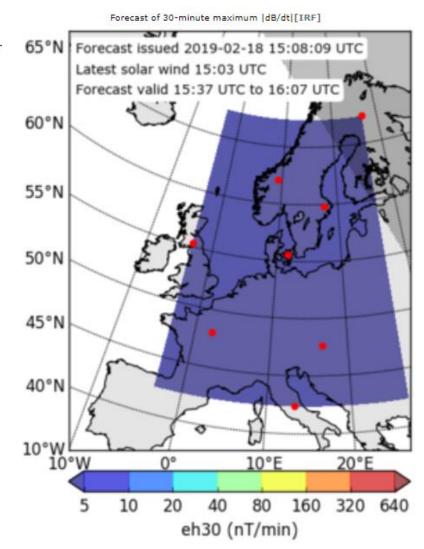
NEO

Geomagnetic Conditions Expert Service Centre

IRF

- dB/dt forecast
- Kp forecast
- Dst forecast







COLLECTION

Aurora borealis and you



Nothing beats a look at the Northern Lights, even if the phenomenon is just a result of gaseous particles dancing with charged particles. Sun meets the Earth. It's amazing. And whenever it happens in the northern hemisphere we call it Aurora borealis. We have made a collection of apps to help you get there, take the best pictures and learn more.



My Aurora Forecast Pro

Northern Lights Alerts & Map

20,00 kr



Slow Shutter Fast Cam

Long exposure photo cam





Aurora Forecast.

Weather





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SPACE

INNOVATION GROWTH COOPERATION

JOHAN KERO.

SOLAR TERRESTRIAL AND ATMOSPHERIC RESEARCH