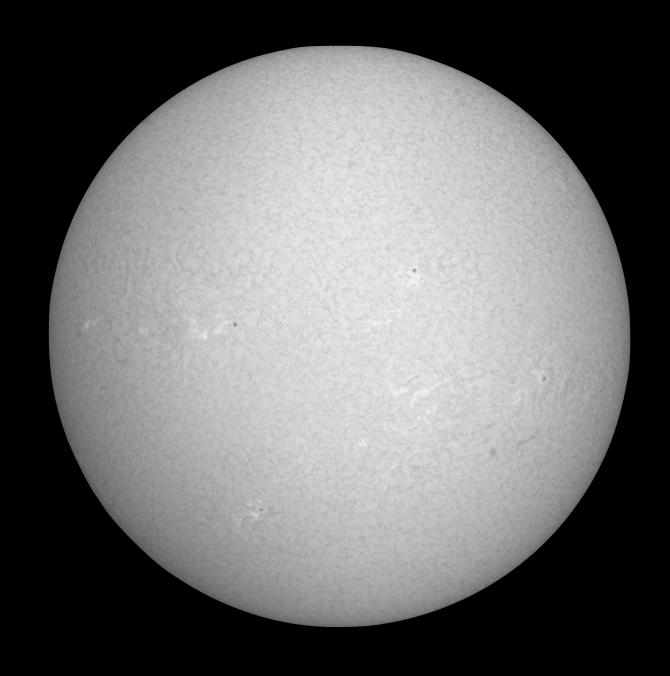
Space Weather: Sunny days ahead

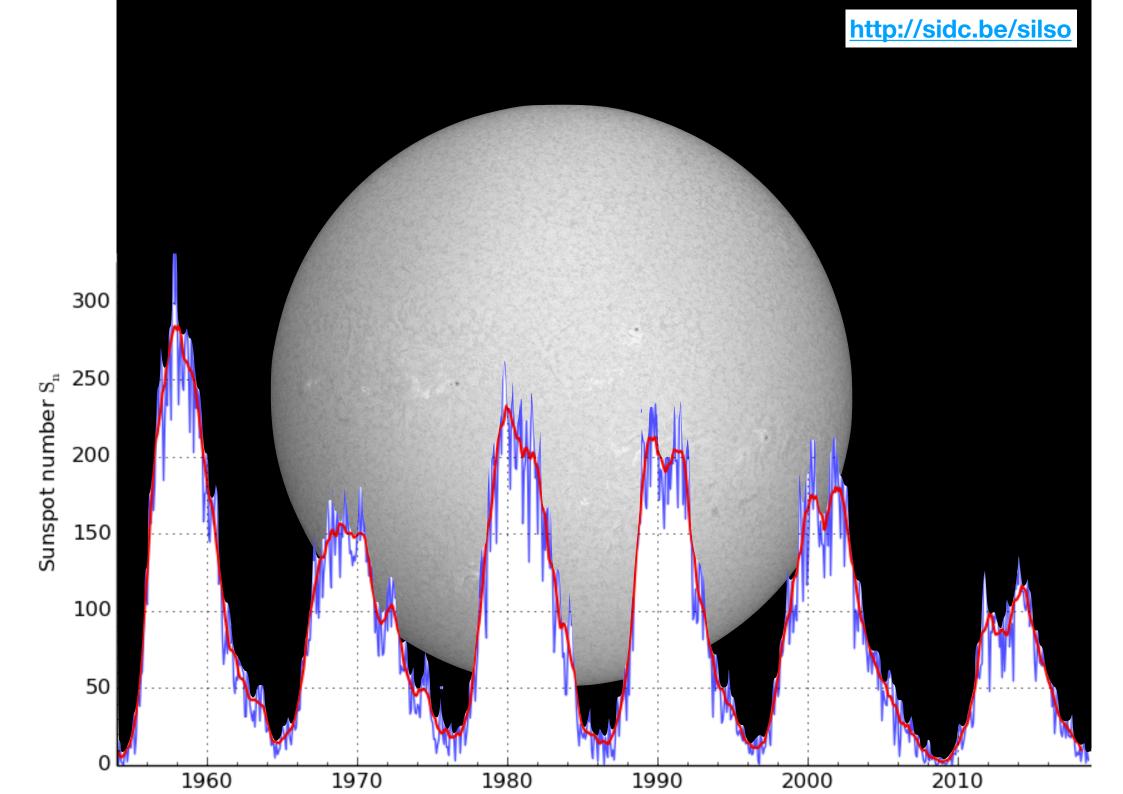
David Berghmans Royal Observatory of Belgium



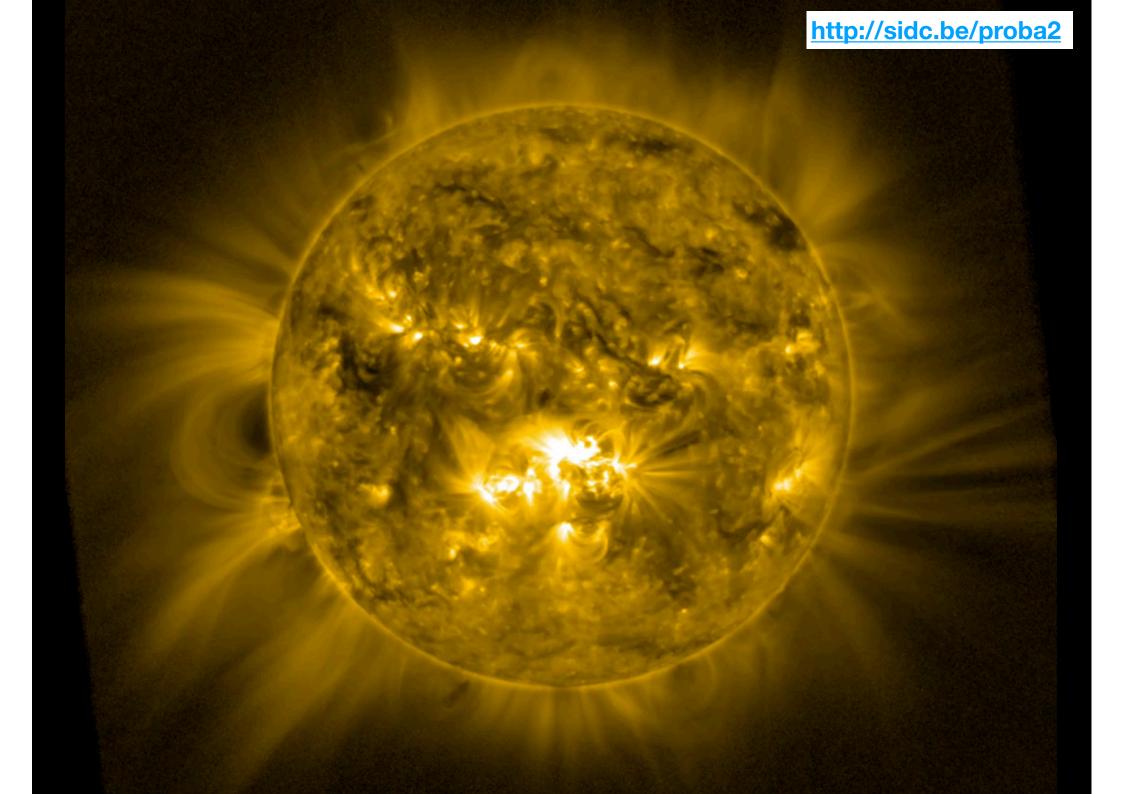


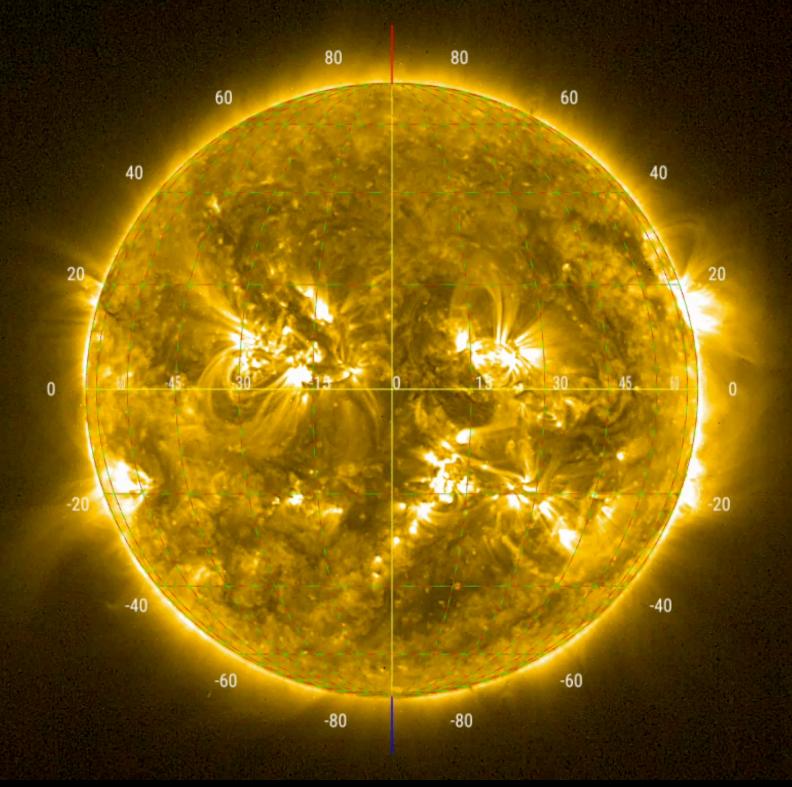




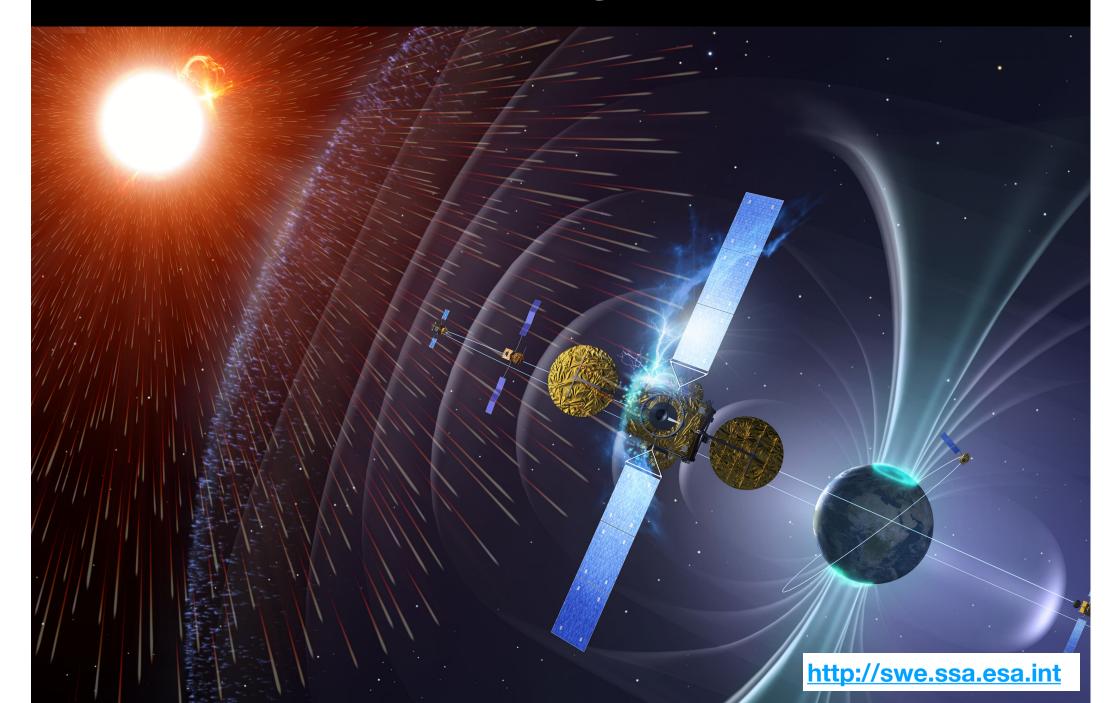


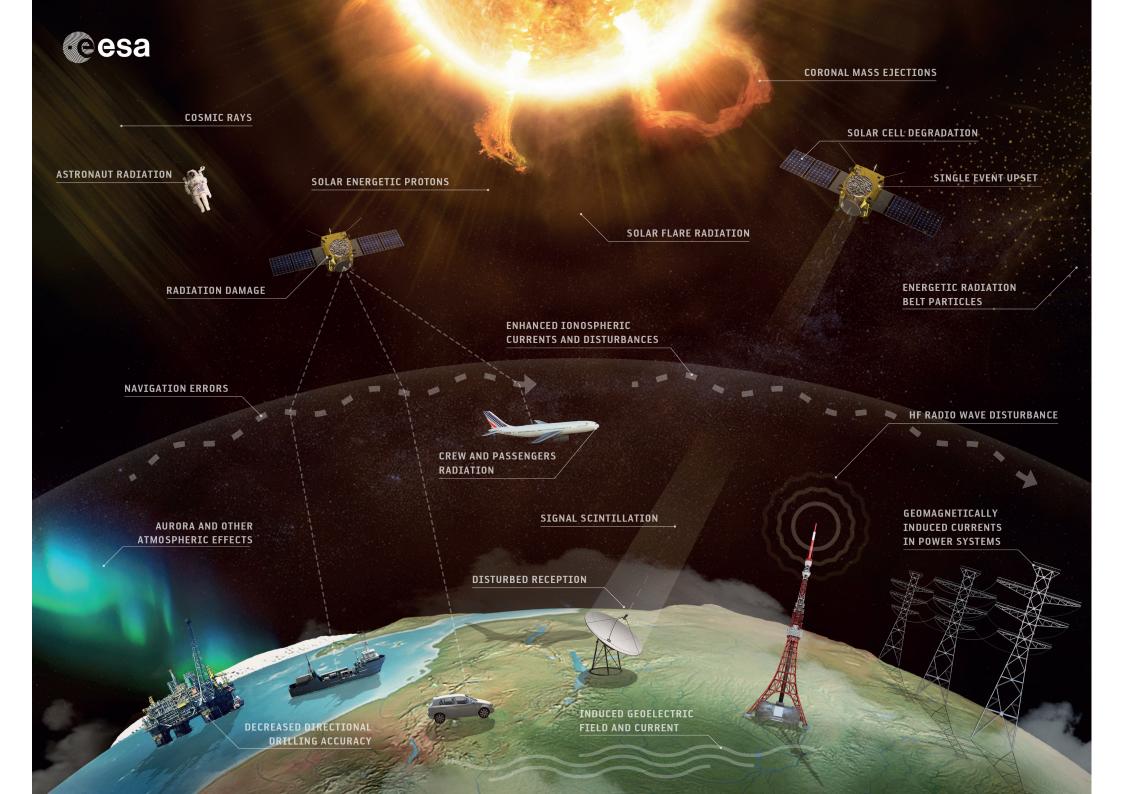


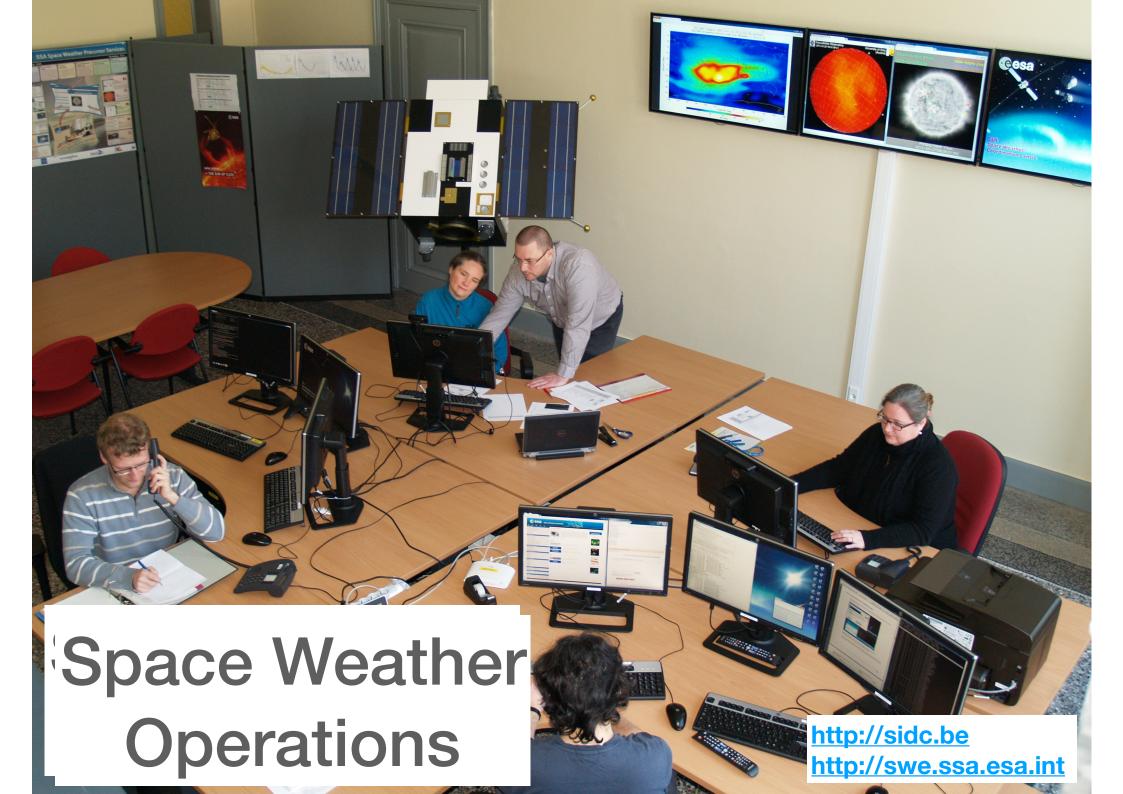




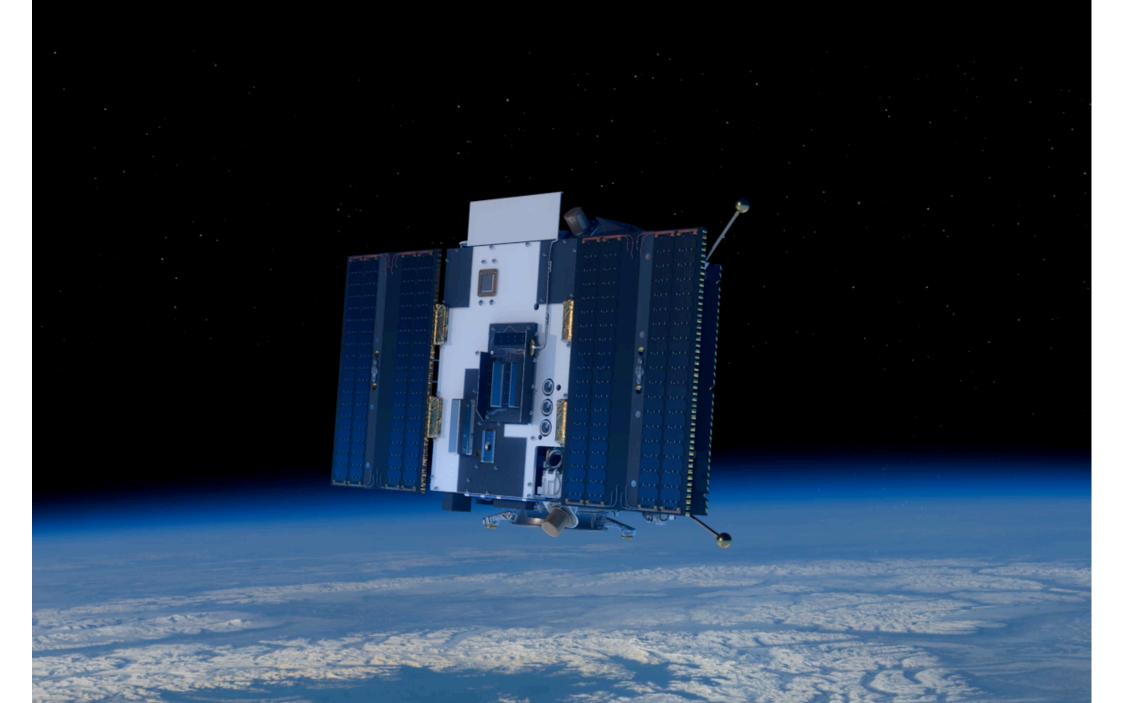
The Earth Magnetosphere







PROBA2



PROBA-3





Solar Orbiter

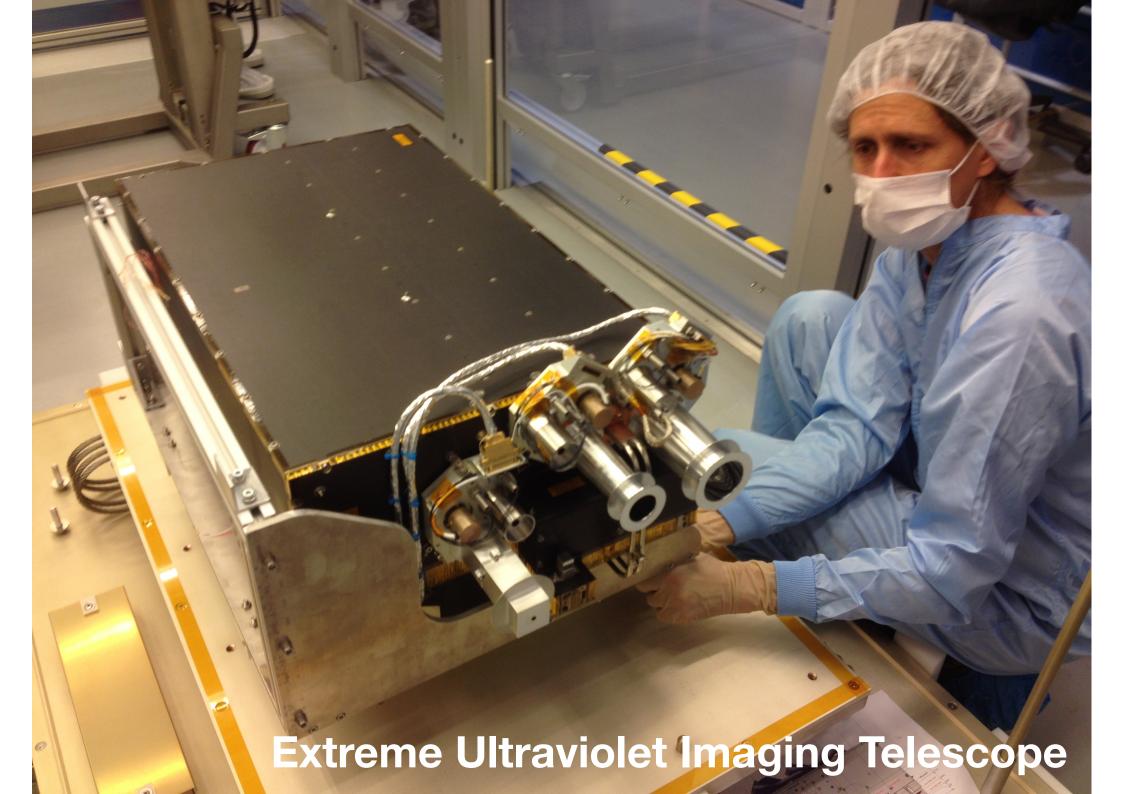
will reach <0.3AU will reach >30 deg latitude



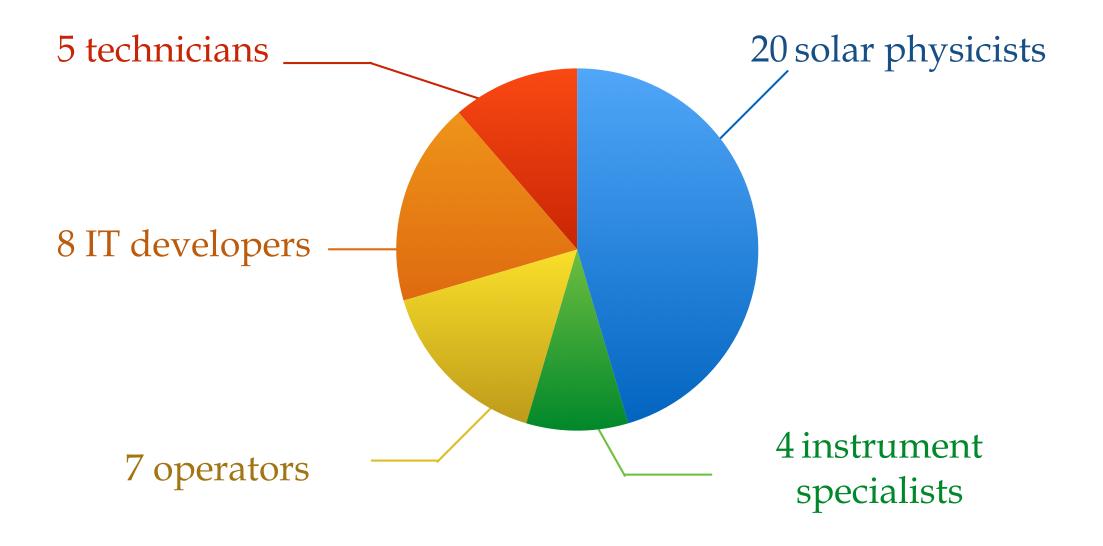


solar orbiter





Solar Physics at ROB: 44 people



including 5 PhD students & 13 nationalities, average age << 47 year

What?



Summary

- The Sun is a Rosetta stone for stellar physics and plasma physics
- The influence of the Sun (space weather) is an engineering challenge for modern (space) technology
- Belgium is only a small country for our planet but with a giant research community for our star
- Solar Physics in Belgium is young, very international and waiting for its biggest projects yet