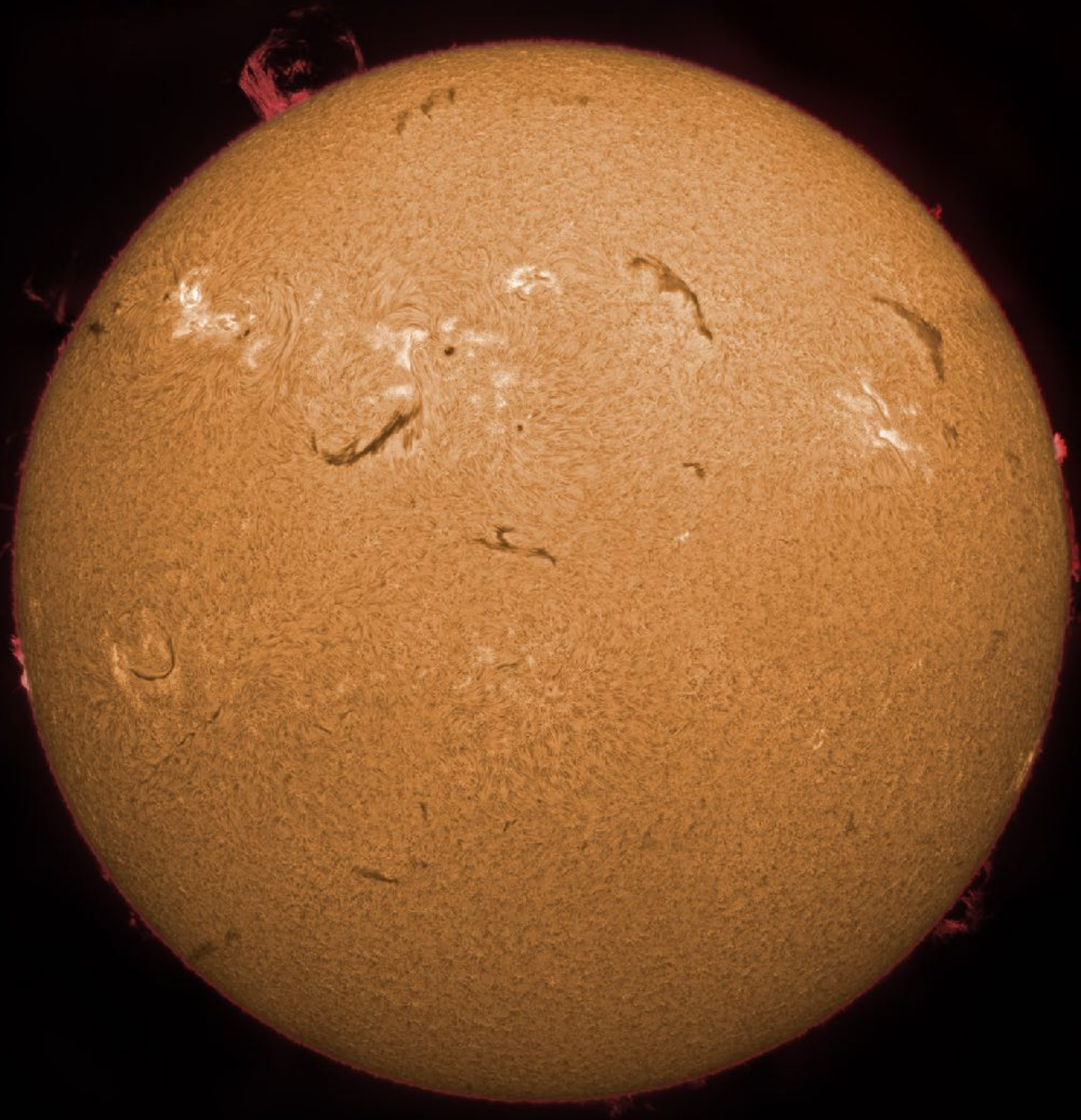




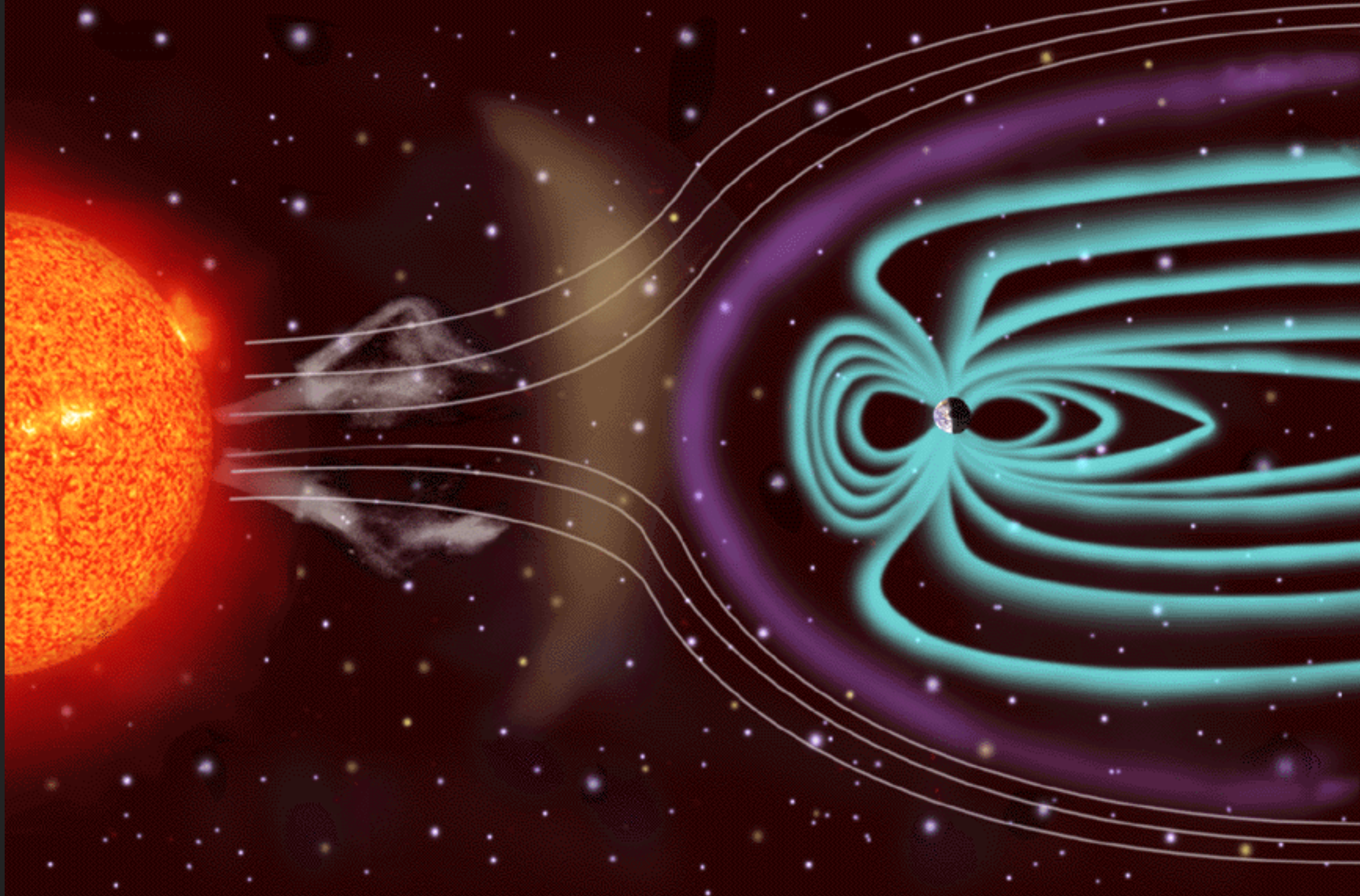
OP JACHT NAAR AURORA BOREALIS

BELANGRIJKE VRAAG:

WAT IS AURORA BOREALIS?







IN DE ATMOSFEER

- ▶ magnetisch veld van de aarde
- ▶ versnelling bij de magnetische polen
- ▶ botsing met atomen, zuurstof, stikstof
- ▶ verschillende kleuren
- ▶ dat hangt o.a. af van de activiteit van het geladen deeltje
- ▶ botsing met stikstof wordt paars





Solar Monitor

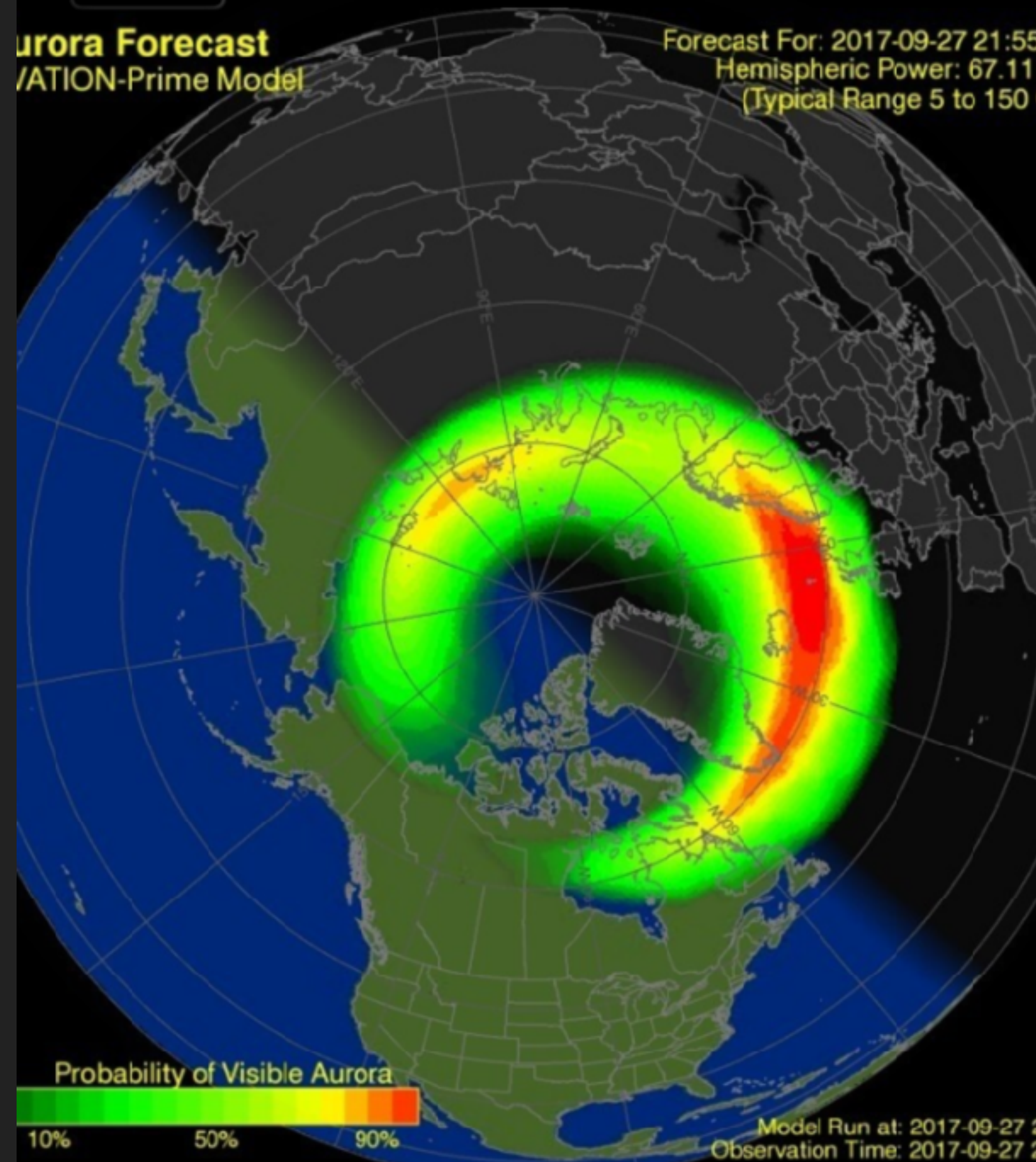


Wijzig

Aurora (noordelijk halfrond)

Aurora Forecast
/ATION-Prime Model

Forecast For: 2017-09-27 21:55
Hemispheric Power: 67.11 (C)
(Typical Range 5 to 150 C)



Monitoren



Telescoop



Voorspelling



Diagrammen

Solar Monitor

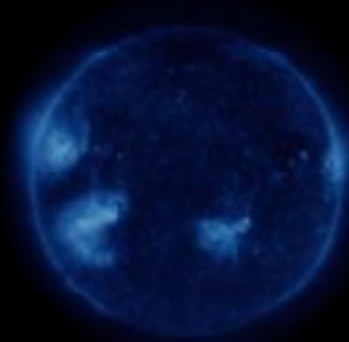


vandaag

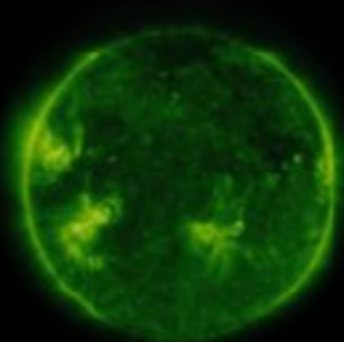
vandaag

vandaag

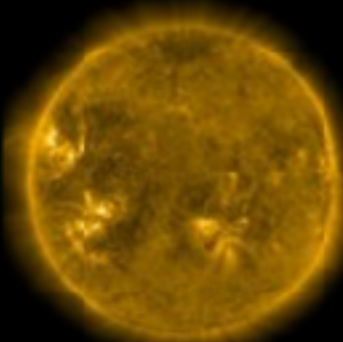
vandaag



21:10:01



20:56:02



21:20:02



21:06:01



Actuele gegevens

23:23



X-Ray Flux: B1.3

12-hr max: B2.4

Sunspot No: 40

Planetary K-Index

Now: Kp = 6

24-hr max: Kp = 6

Kp-Now



Solar Wind

Speed: 631.9 km/s

Density: 5.2 prot/cm³

IMF Bz: 1.6 nT north

IMF Total Field: 9.6 nT



Solar X-Ray Flux

NORMAL



Geomagnetic Field

MODERATE STORM



Monitoren



Telescoop



Voorspelling



Diagrammen

Solar Monitor

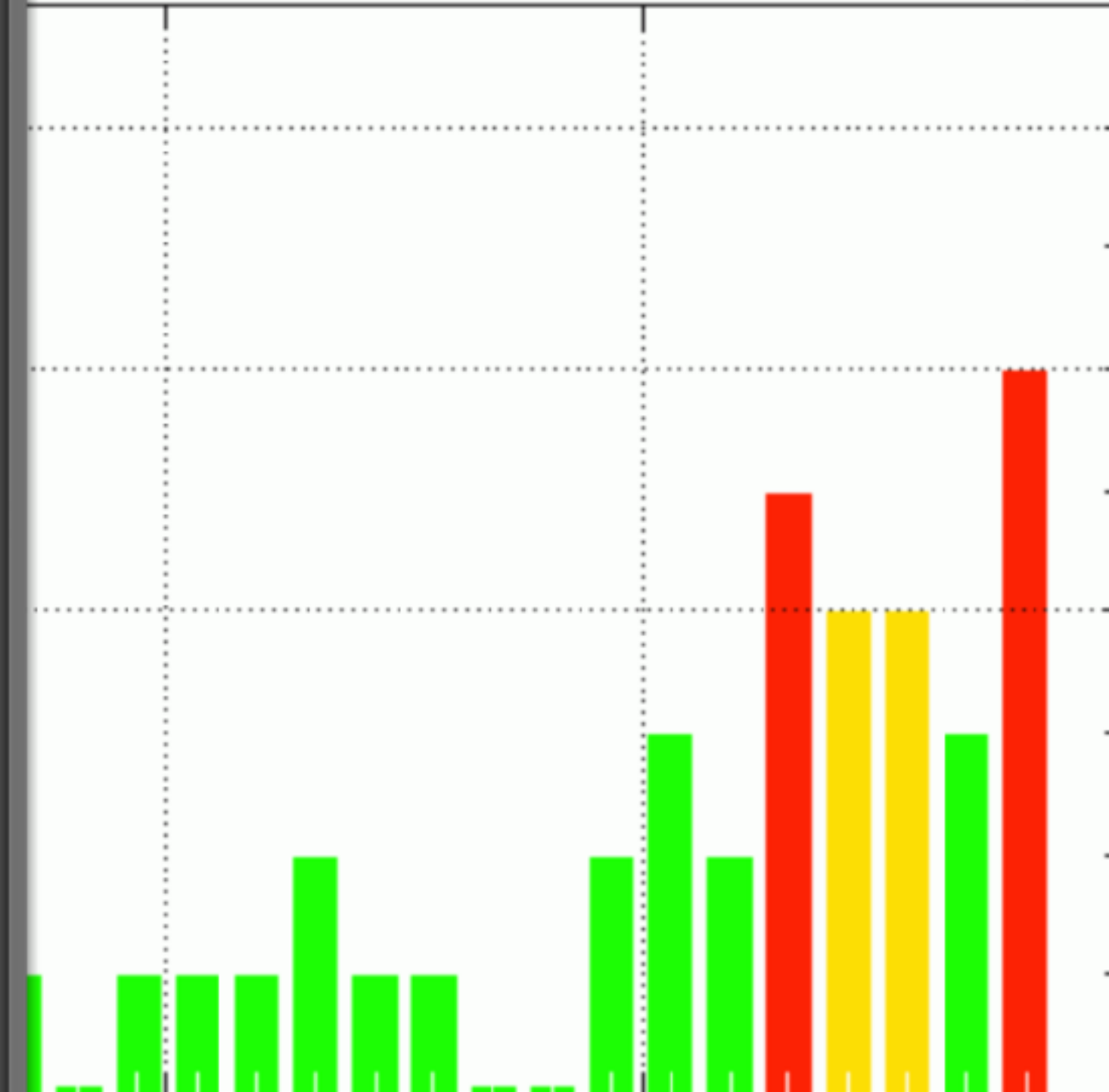


Wijzig

Planetary K Index

ry K index (3 hour data)

Begin: 2017 Sep 25 00



Sep 26

Sep 27

Sep 28

Universal Time

21:20:02 UTC

NOAA/SWPC Boulder,



Monitoren



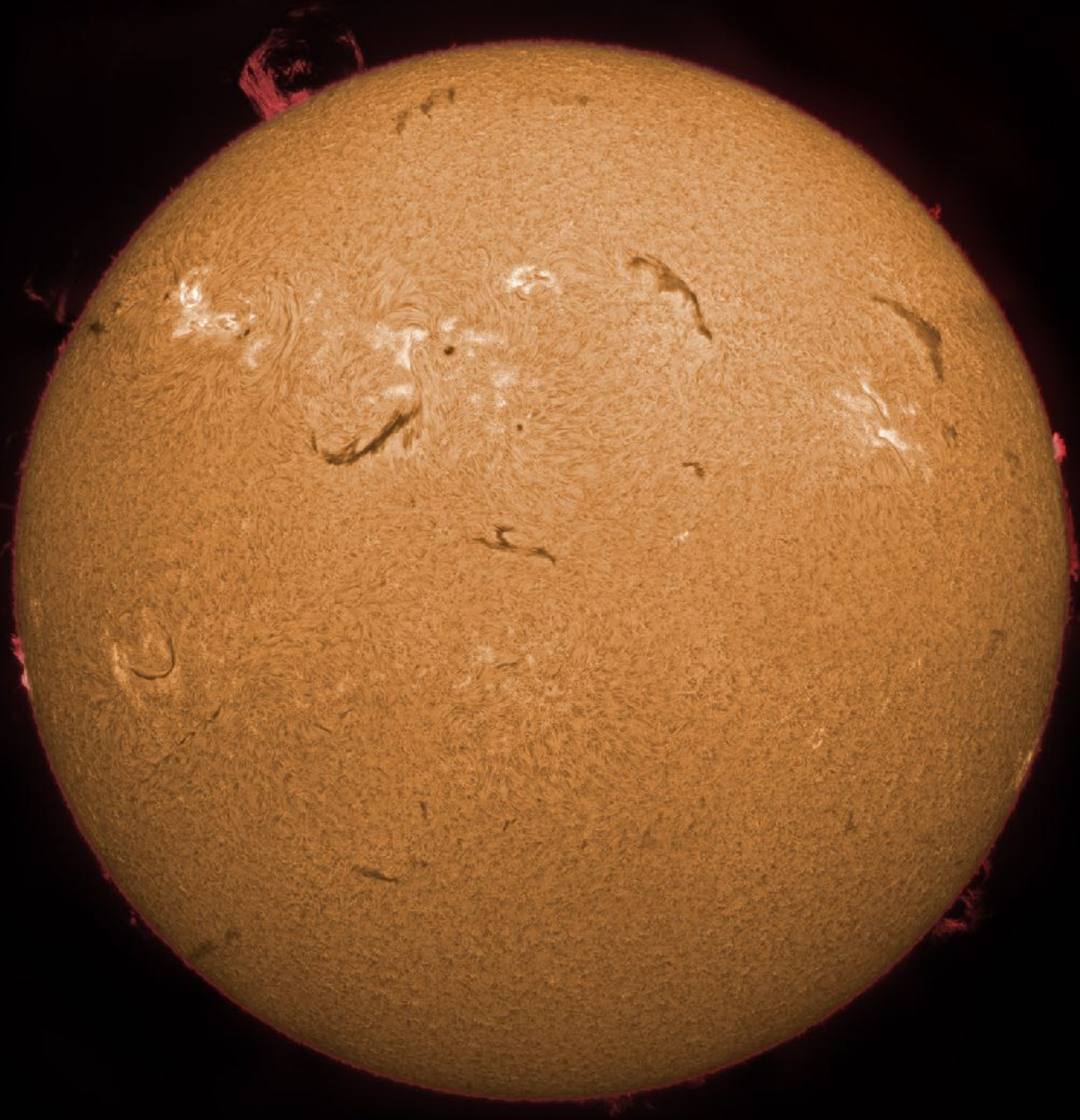
Telescoop



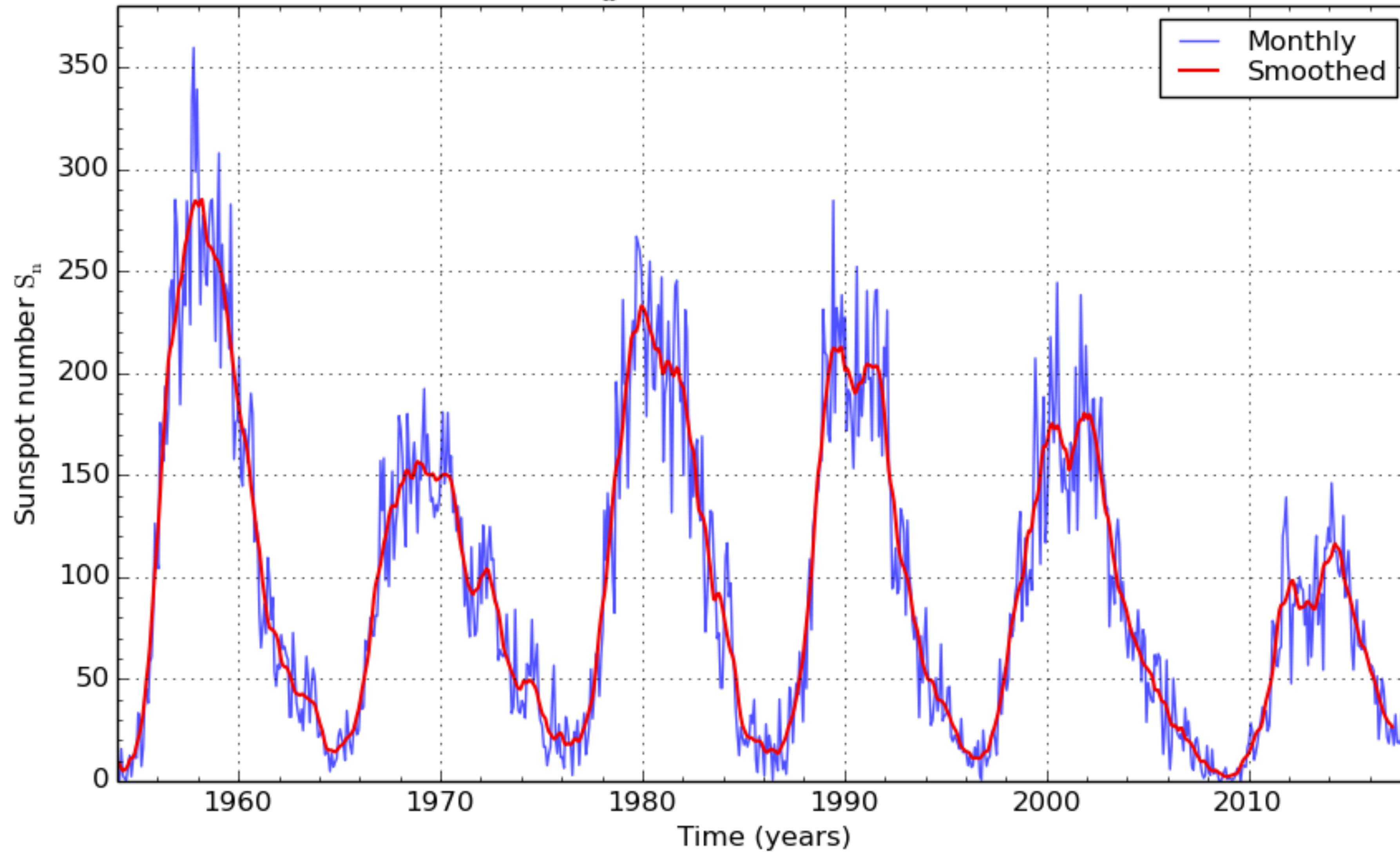
Voorspelling



Diagrammen



International sunspot number S_n : monthly mean and 13-month smoothed number



VOORBEREIDING

- ▶ goede kleding, muts, wanten
- ▶ hoofdlampje
- ▶ camera's en statieven
- ▶ lichtsterke lenzen
- ▶ allsky camera
- ▶ slider voor timelapse
- ▶ opwarmer in flesje (binnenzak)













HOE FOTOGRAFEER JE HET NOORDERLICHT

- ▶ sterk afhankelijk van de activiteit
- ▶ statief
- ▶ lichtsterke lenzen
- ▶ niet te lange sluitertijd
- ▶ aangepaste iso
- ▶ timer/remote controller



















www.hundesleden.no































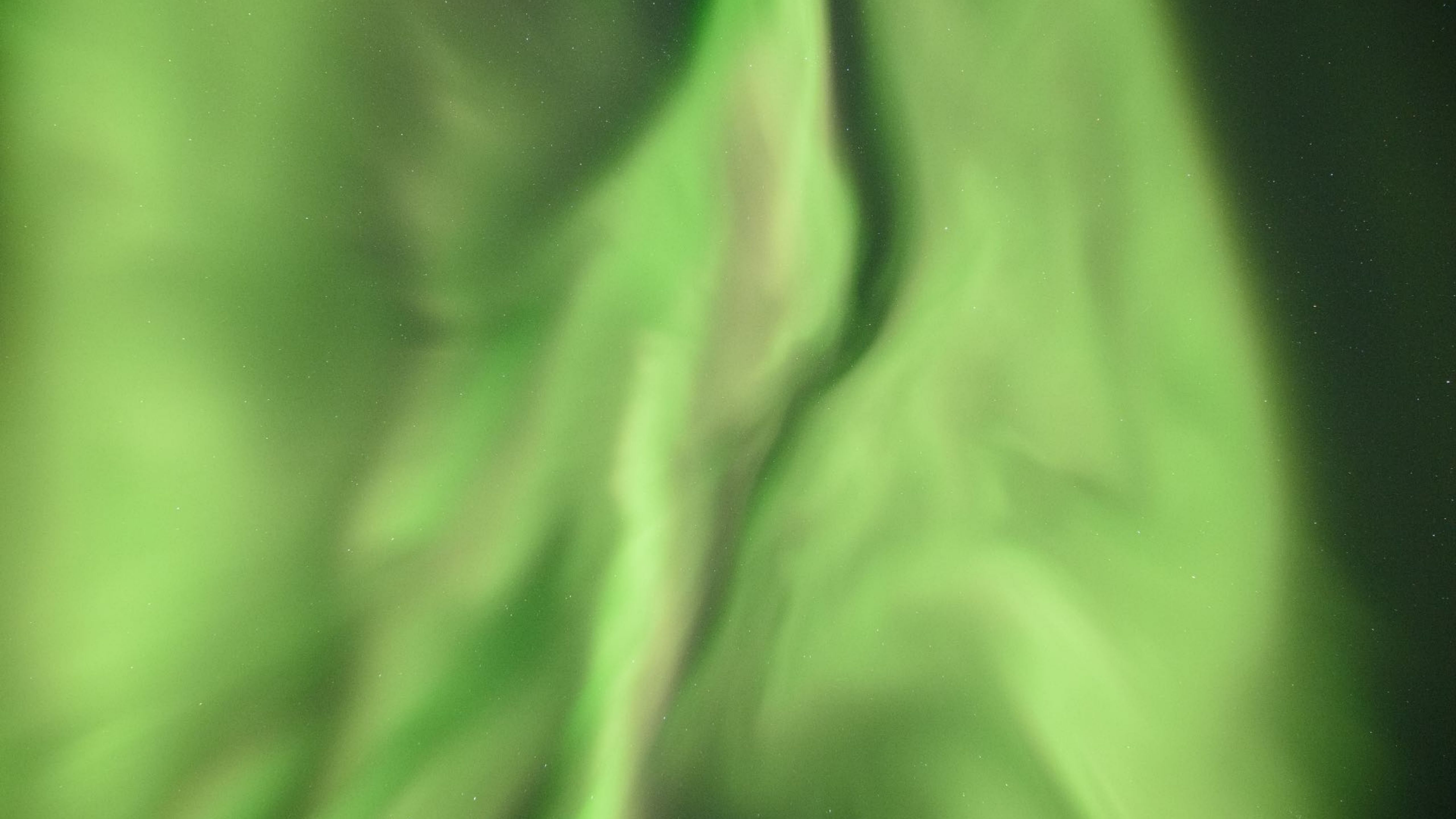






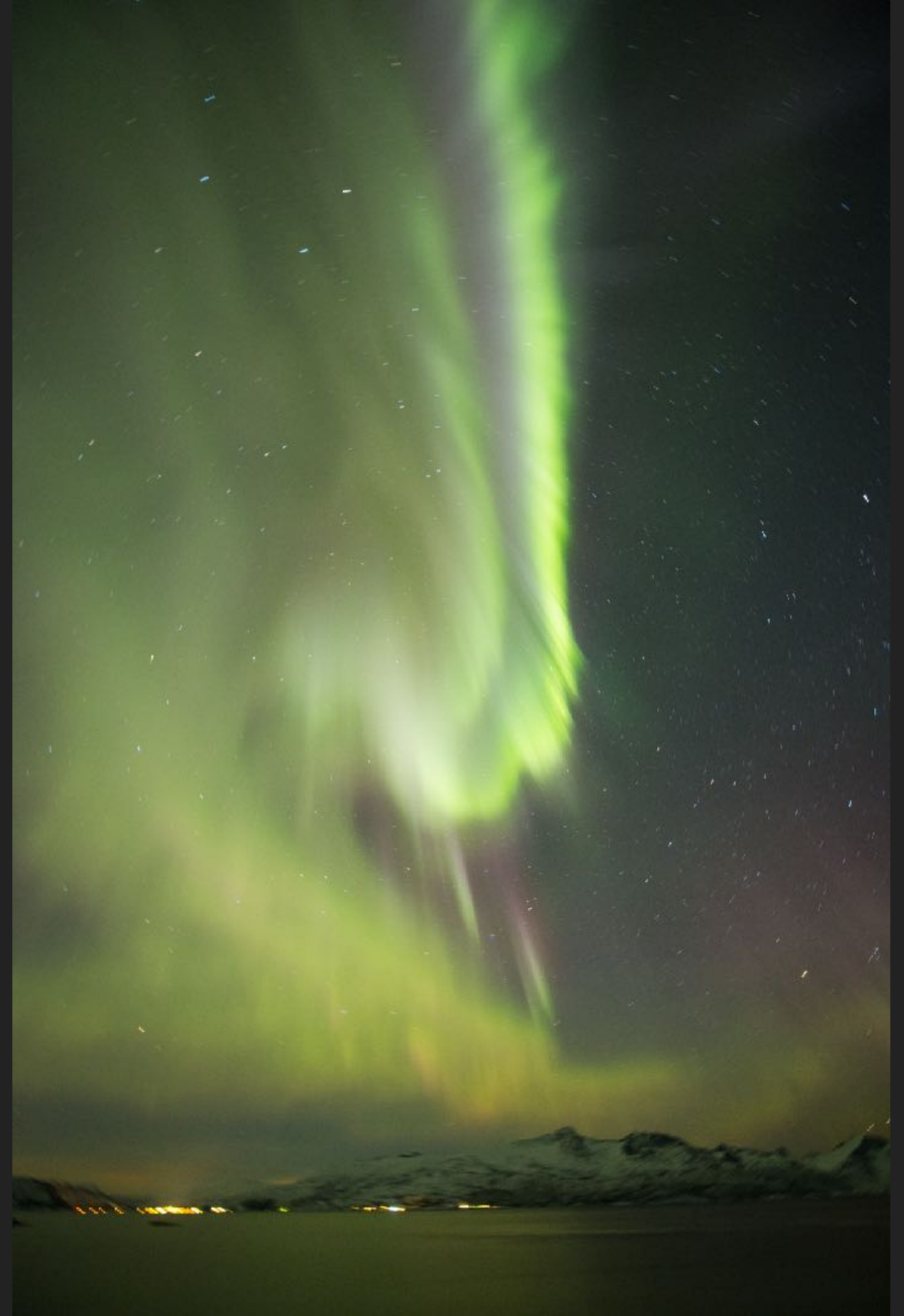




























www.astropage.nl
Twisk, The Netherlands
local: 2017-09-21T21:00:38
UTC: 2017-09-21T19:00:38
exp time, ms: 30000
ASI 178MC & HF1.8HB-L1





WWW.ASTROPAGE.NL