SIDC Space Weather Briefing

09 November 2026-15 November 2026

Elisabeth Dom

& the SIDC forecaster team

Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-11-09 00:00 to 2026-11-15 23:59

Active regions	12 AR - SIDC SG 992 (4566; βγδ)
Flares	# C-class flare: 60 # M-class flare: 3 # X-class flare: 0
Coronal Holes	SIDC CH 149 (-) and SIDC CH 159 (+)
CMEs	No earth directed CME's

Proton flux	Below 10 PFU threshold
Electron flux	Above 1000 PFU threshold

Solar wind and geomagnetic conditions

ICMEs	No ICME arrivals
Solar wind conditions	|B|: 0.68 - 6.38 nT// Bz: -4.43 nT to 5.16 nT// Speed: 323.6 - 798.2 km/s
Geomagnetic conditions	max KBel: 4.0, max Kp(NOAA): 3.33, Active condition 1 period.

All Quiet Alert: Not all quiet

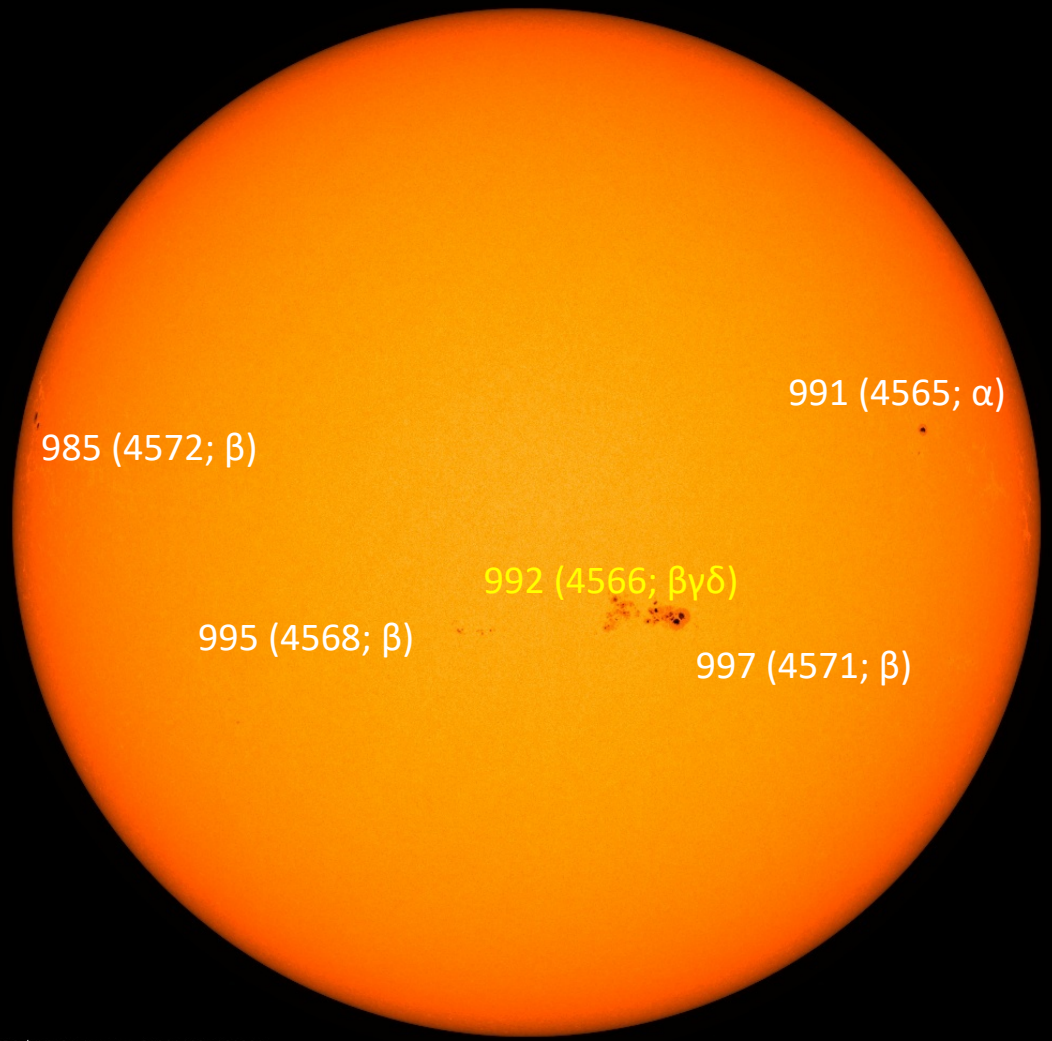
Solar Activity

Royal Observatory
of Belgium

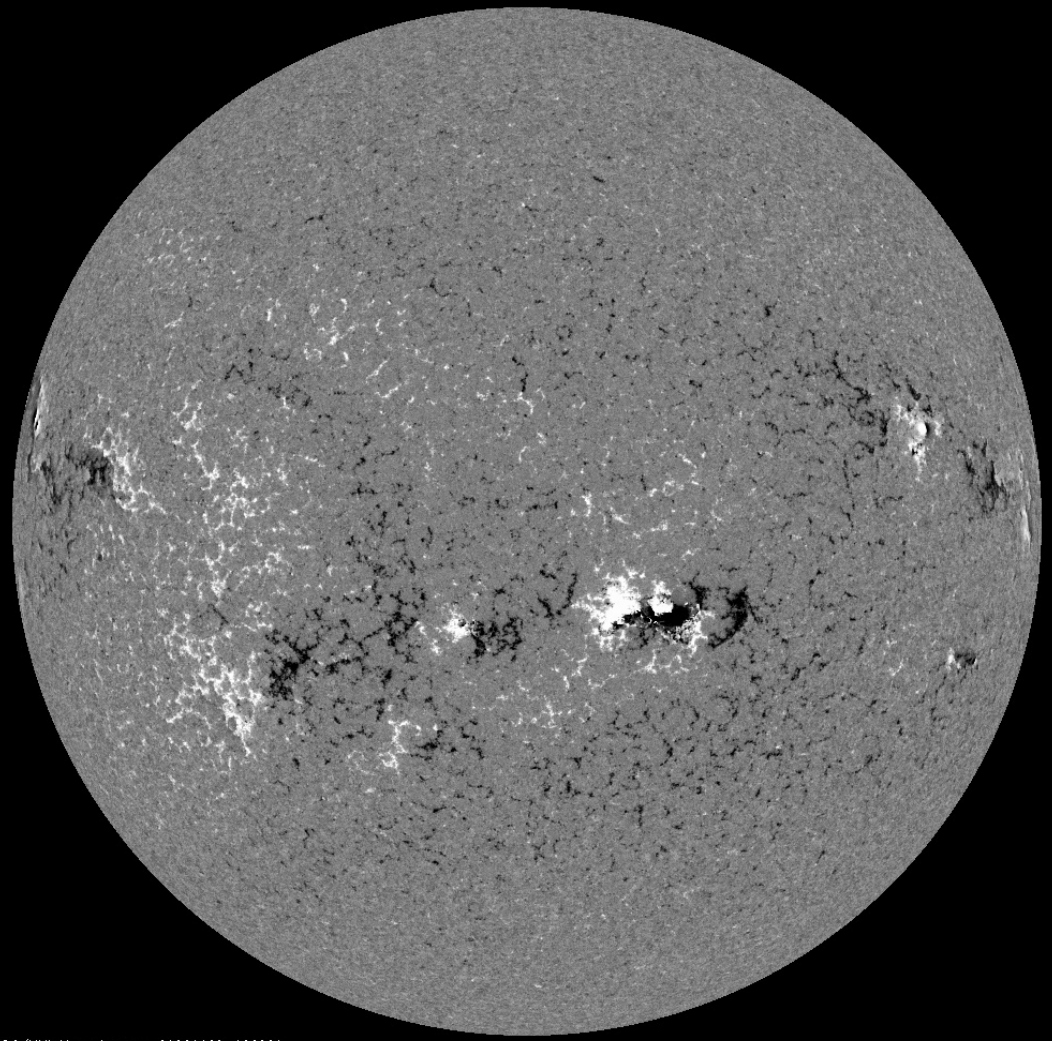
Solar Influences
Data analysis Centre
www.sidc.be

Solar active regions

SDO/HMI White Light 2026-11-09

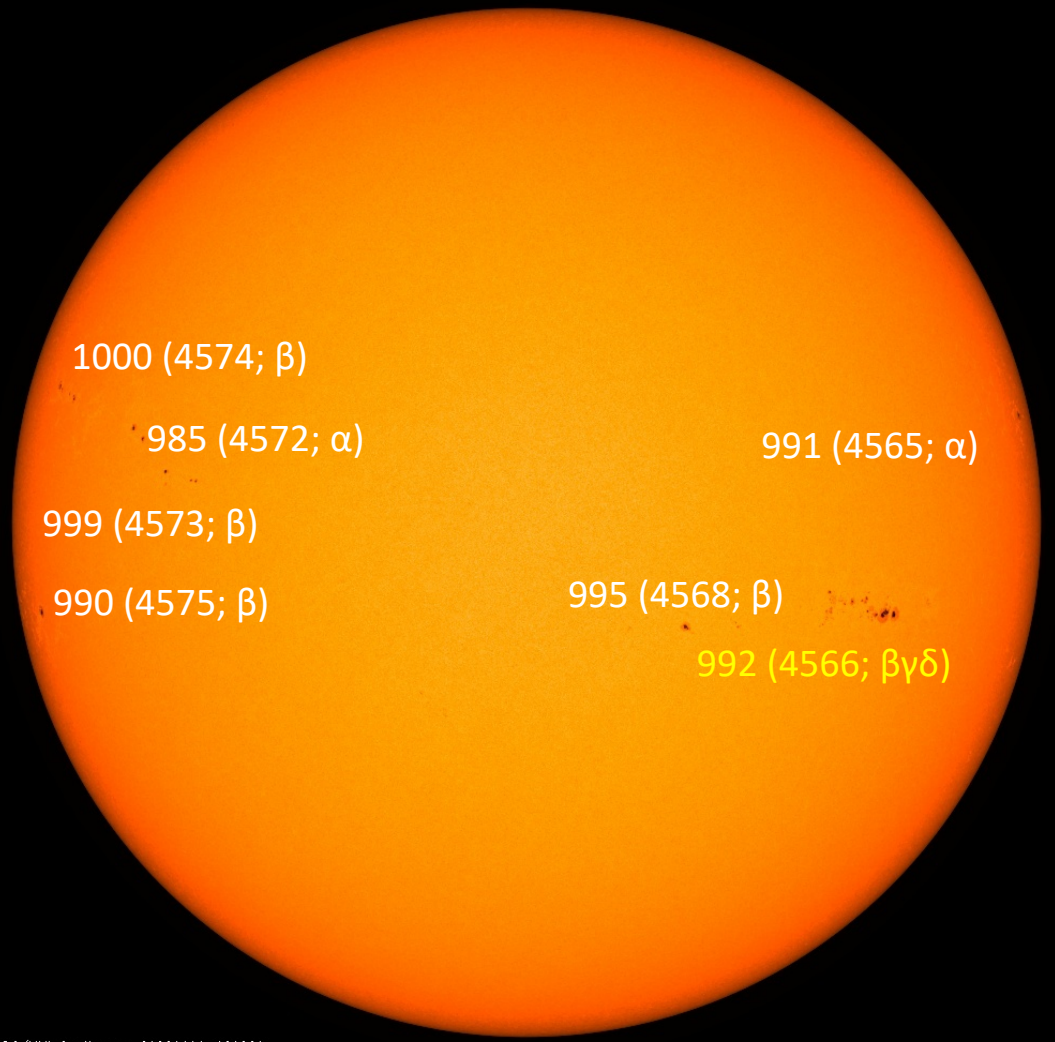


SDO/HMI Magnetogram 2026-11-09

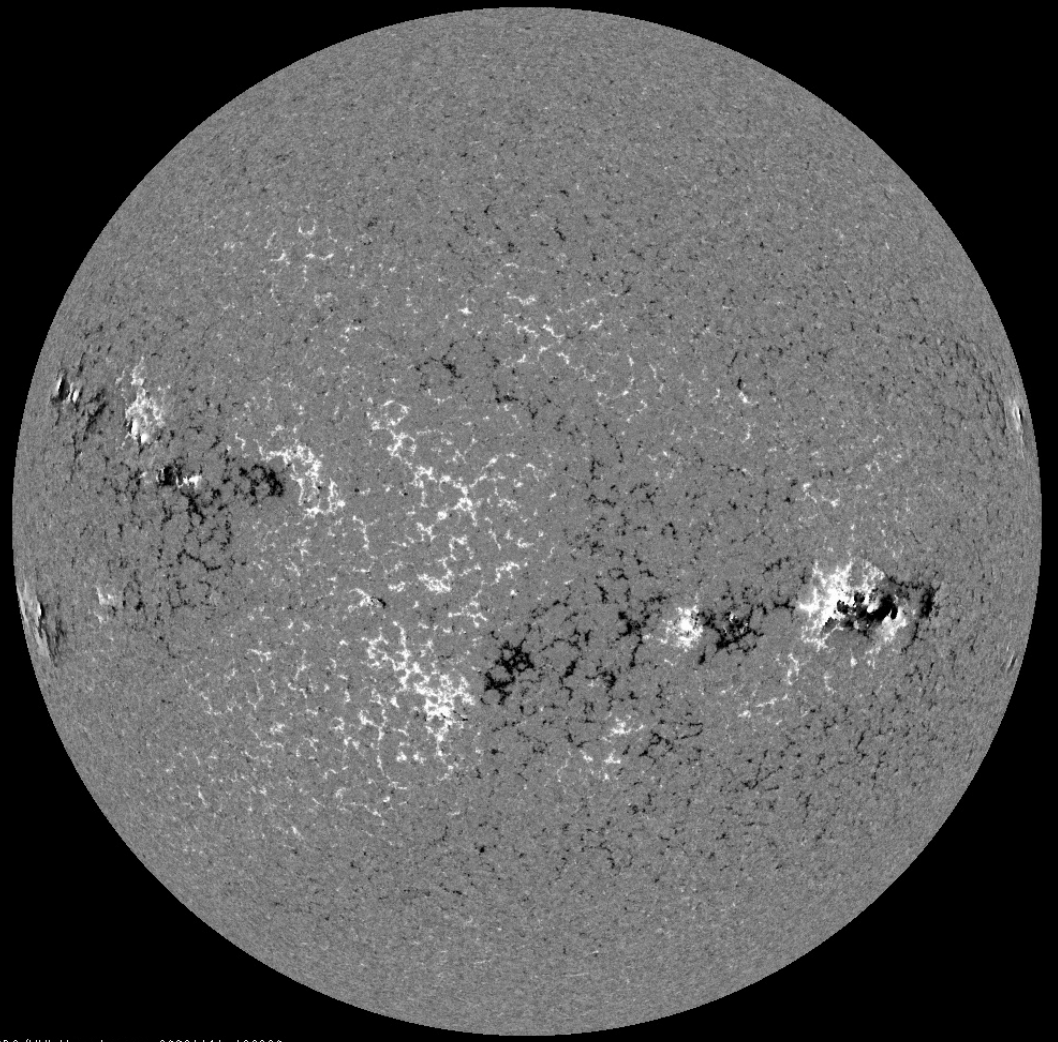


Solar active regions

SDO/HMI White Light 2026-11-11

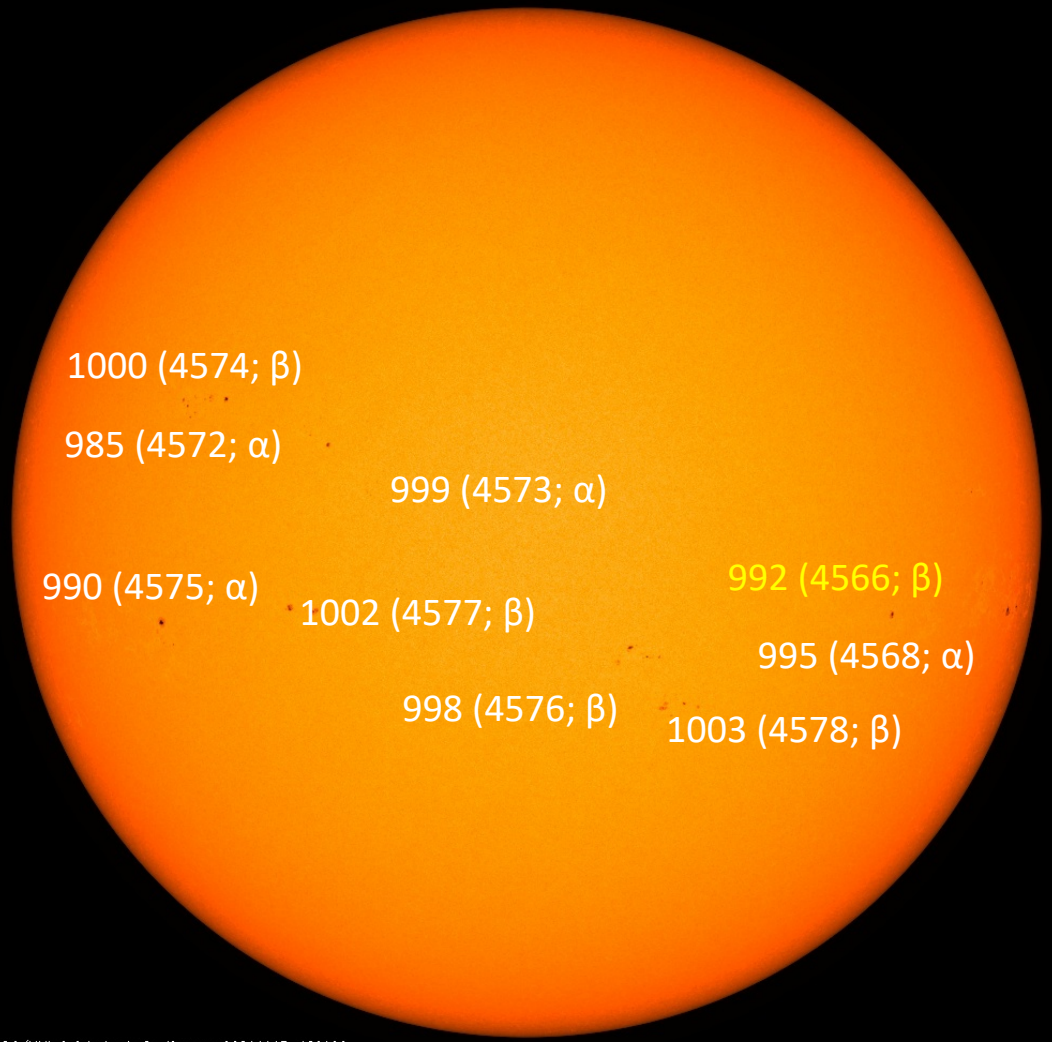


SDO/HMI Magnetogram 2026-11-11

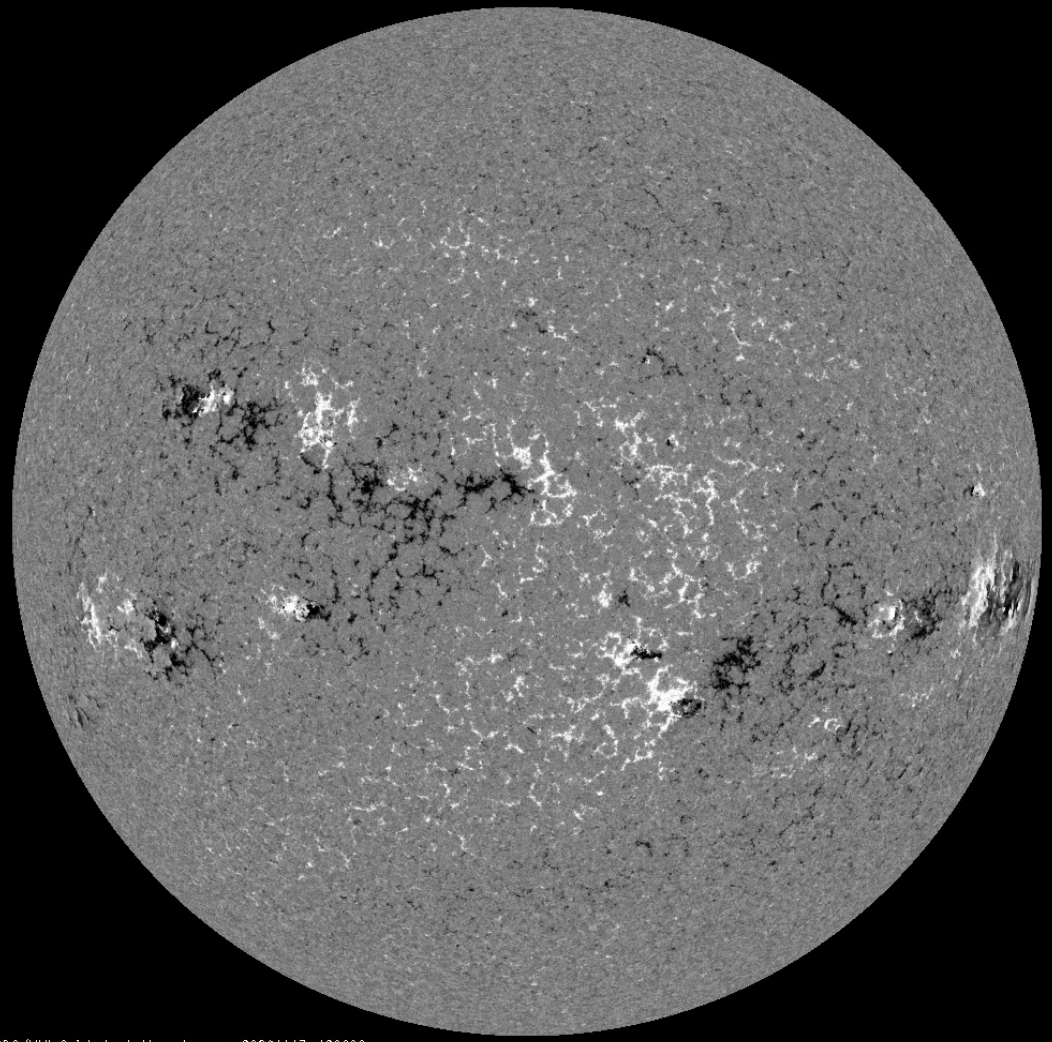


Solar active regions

SDO/HMI White Light 2026-11-13

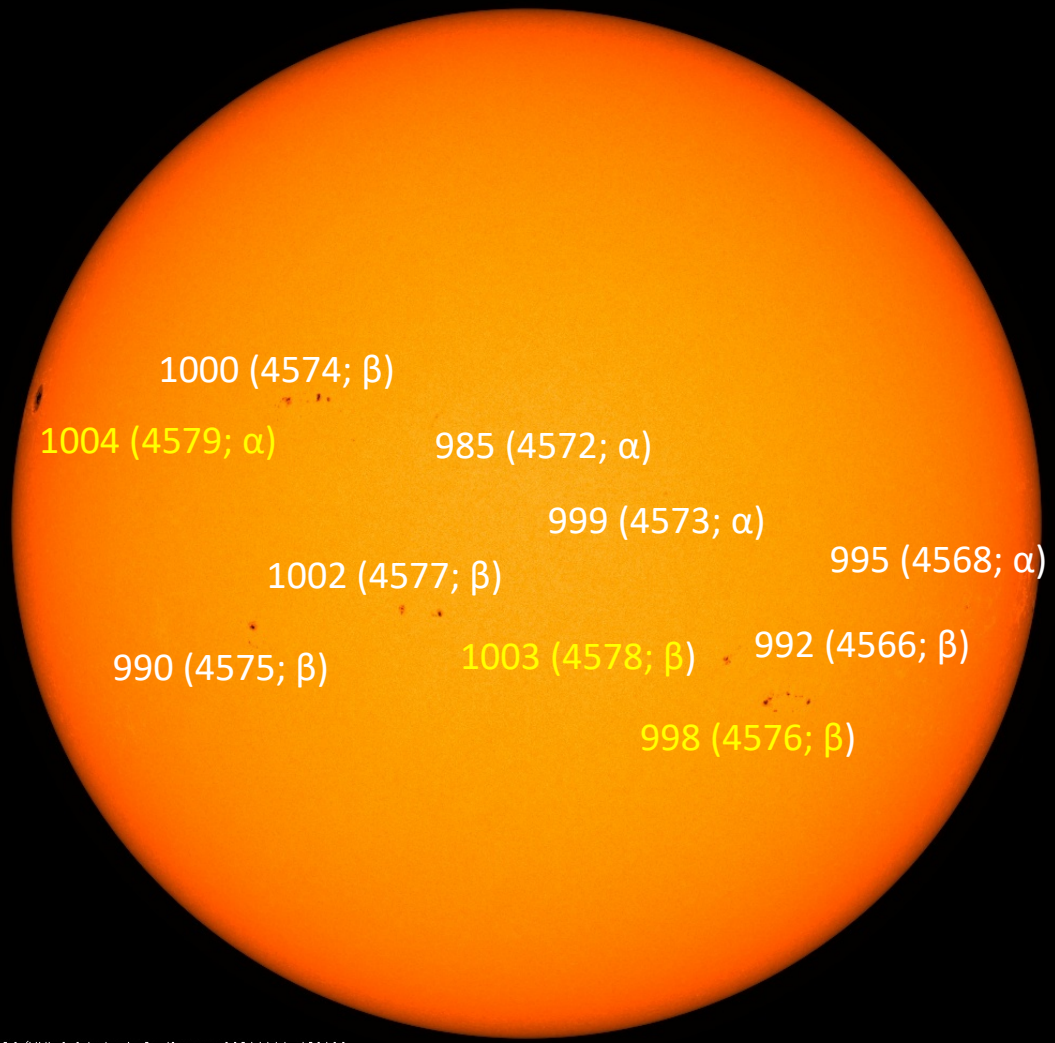


SDO/HMI Magnetogram 2026-11-13

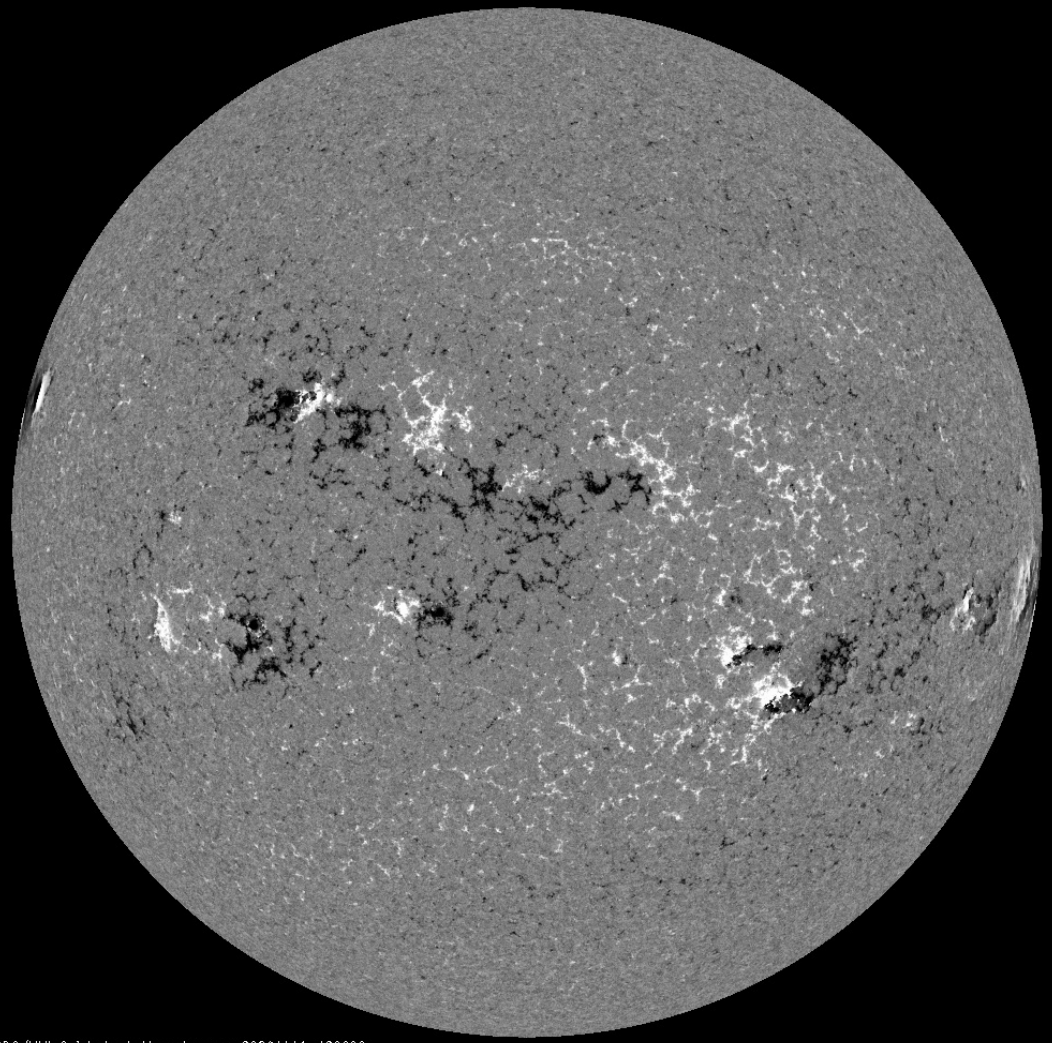


Solar active regions

SDO/HMI White Light 2026-11-14

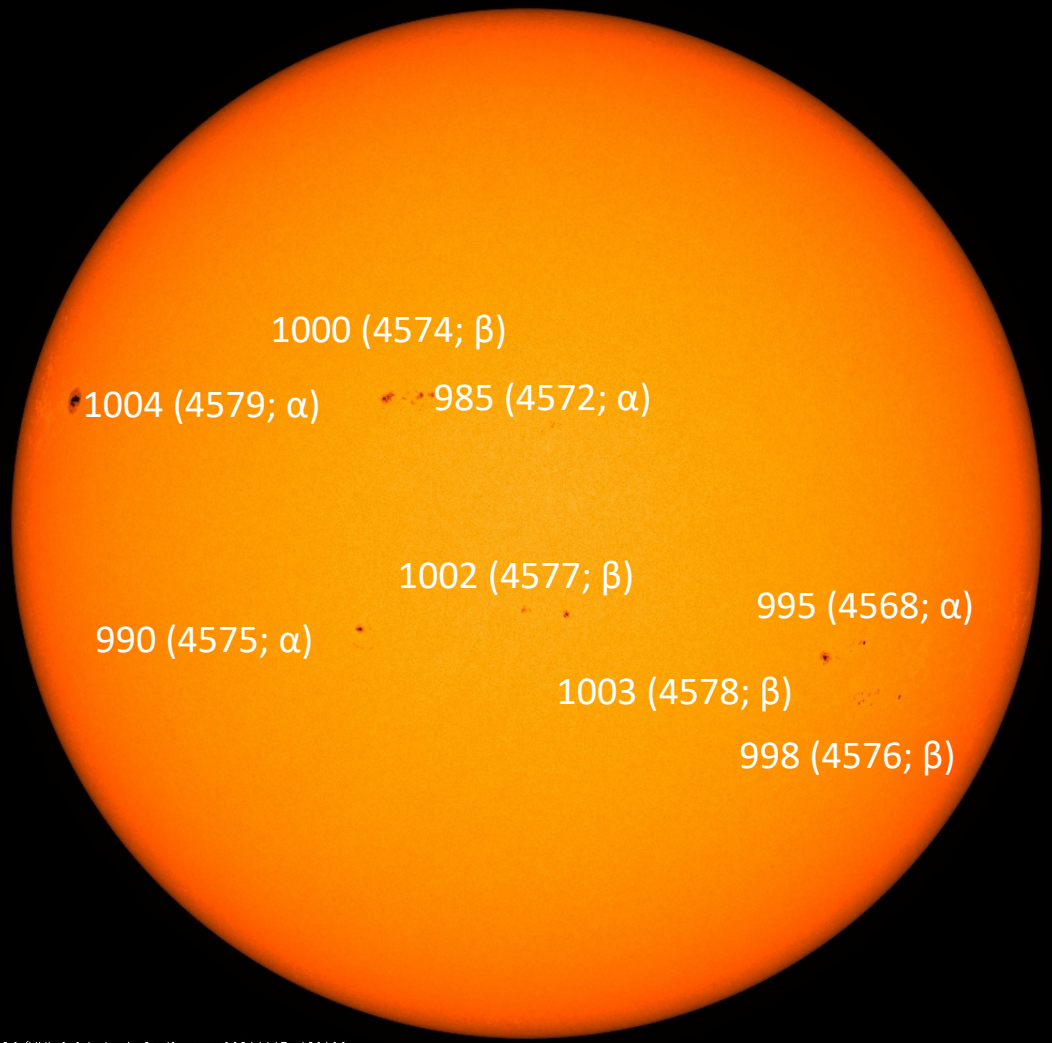


SDO/HMI Magnetogram 2026-11-14

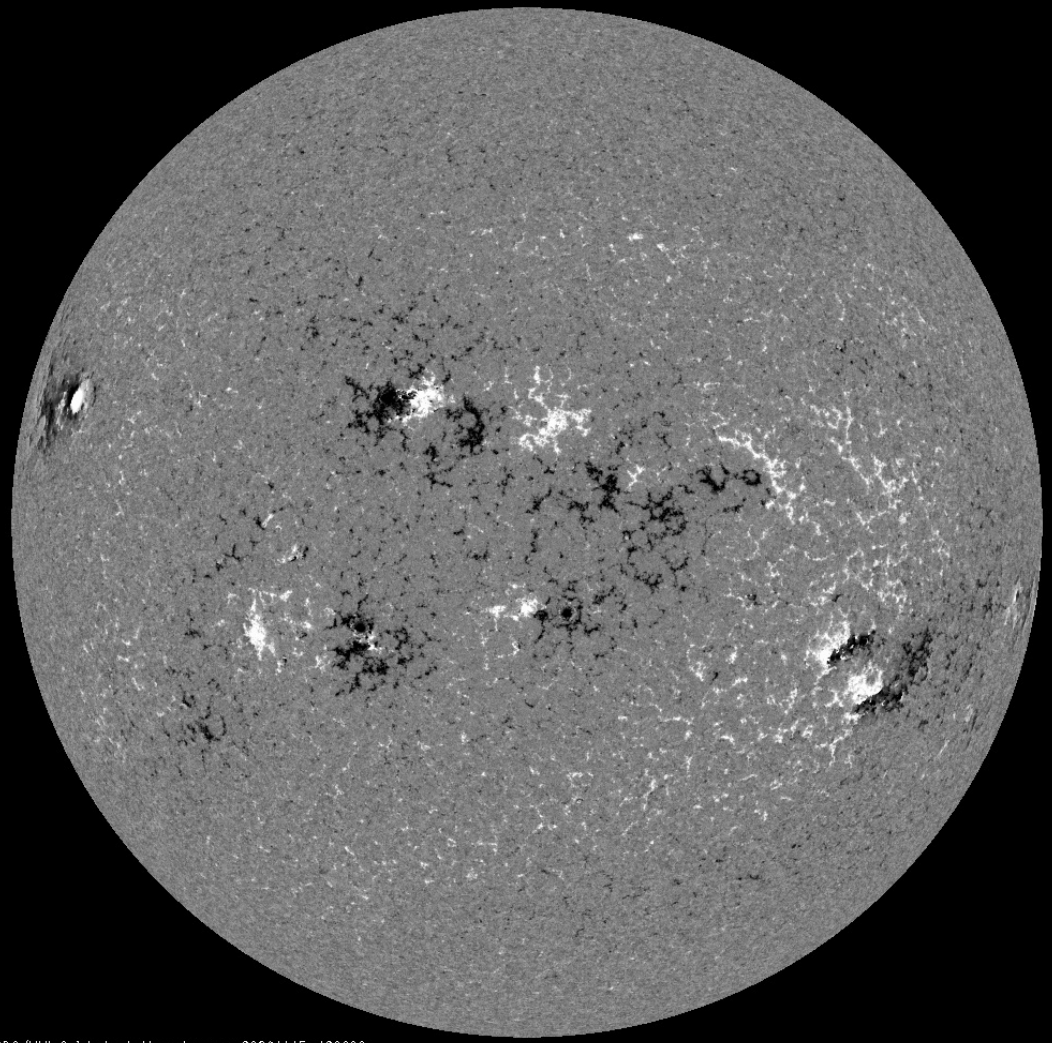


Solar active regions

SDO/HMI White Light 2026-11-15

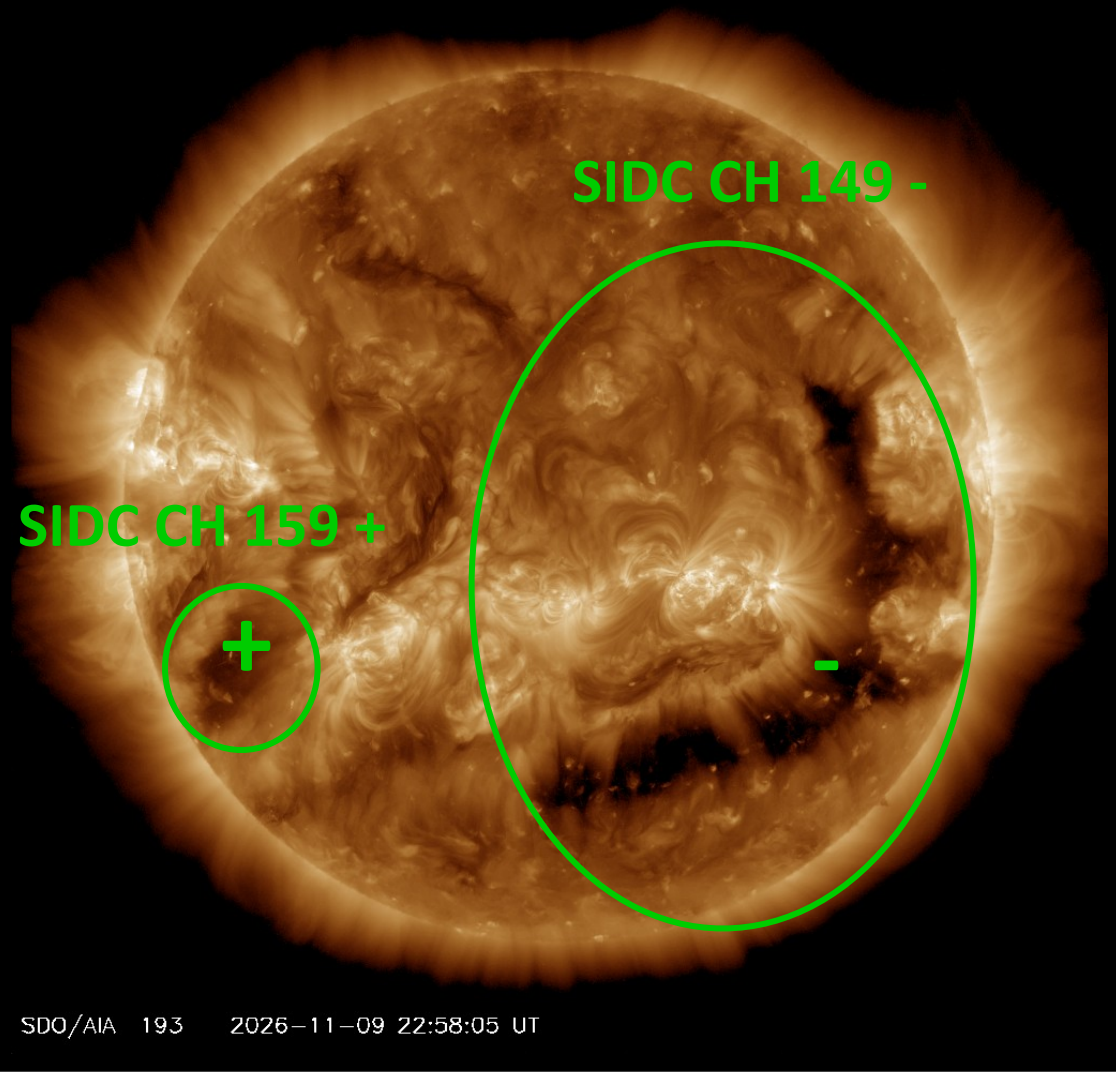


SDO/HMI Magnetogram 2026-11-15

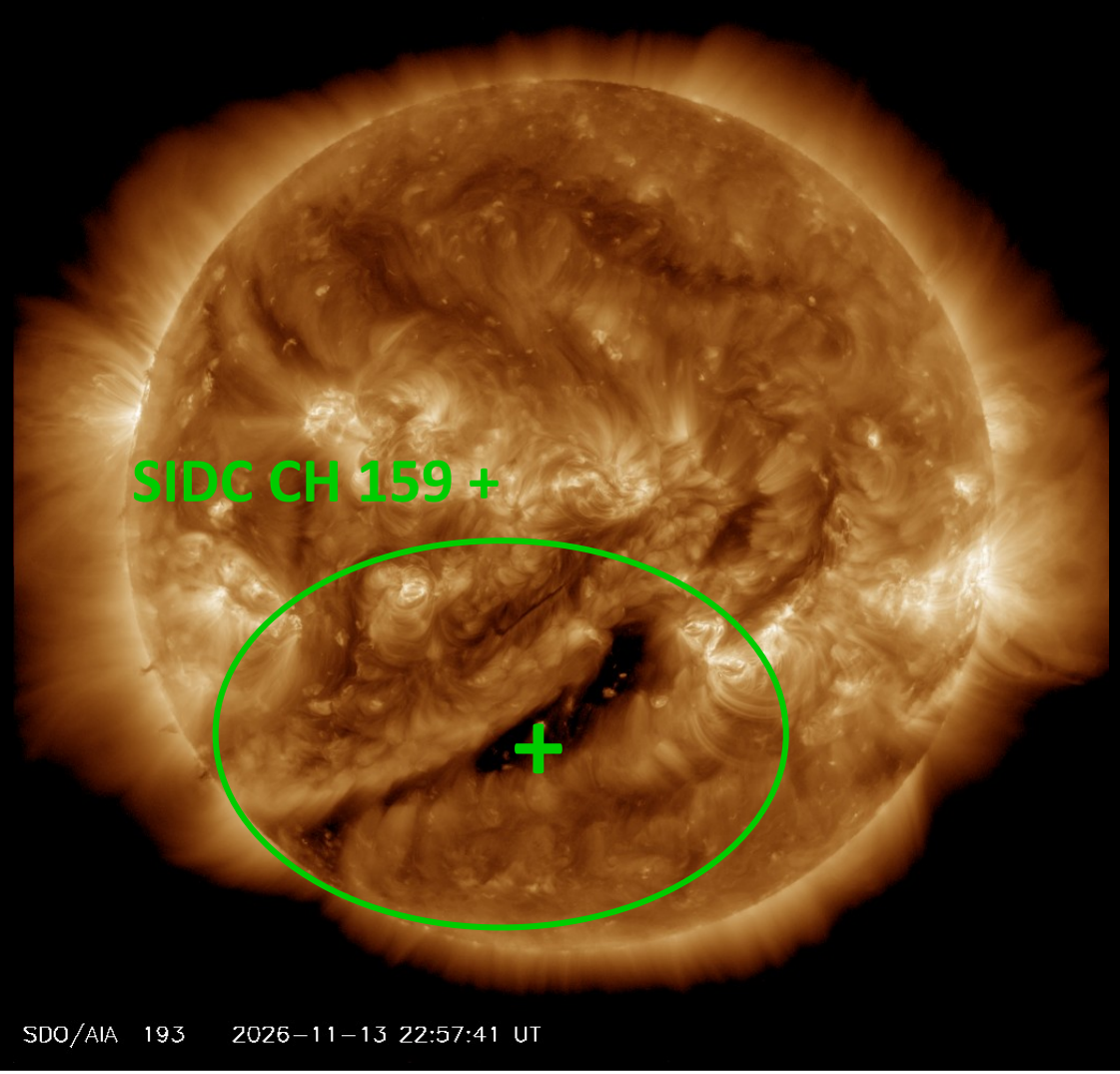


Coronal holes

SDO/AIA 19.3 nm 2026-11-09

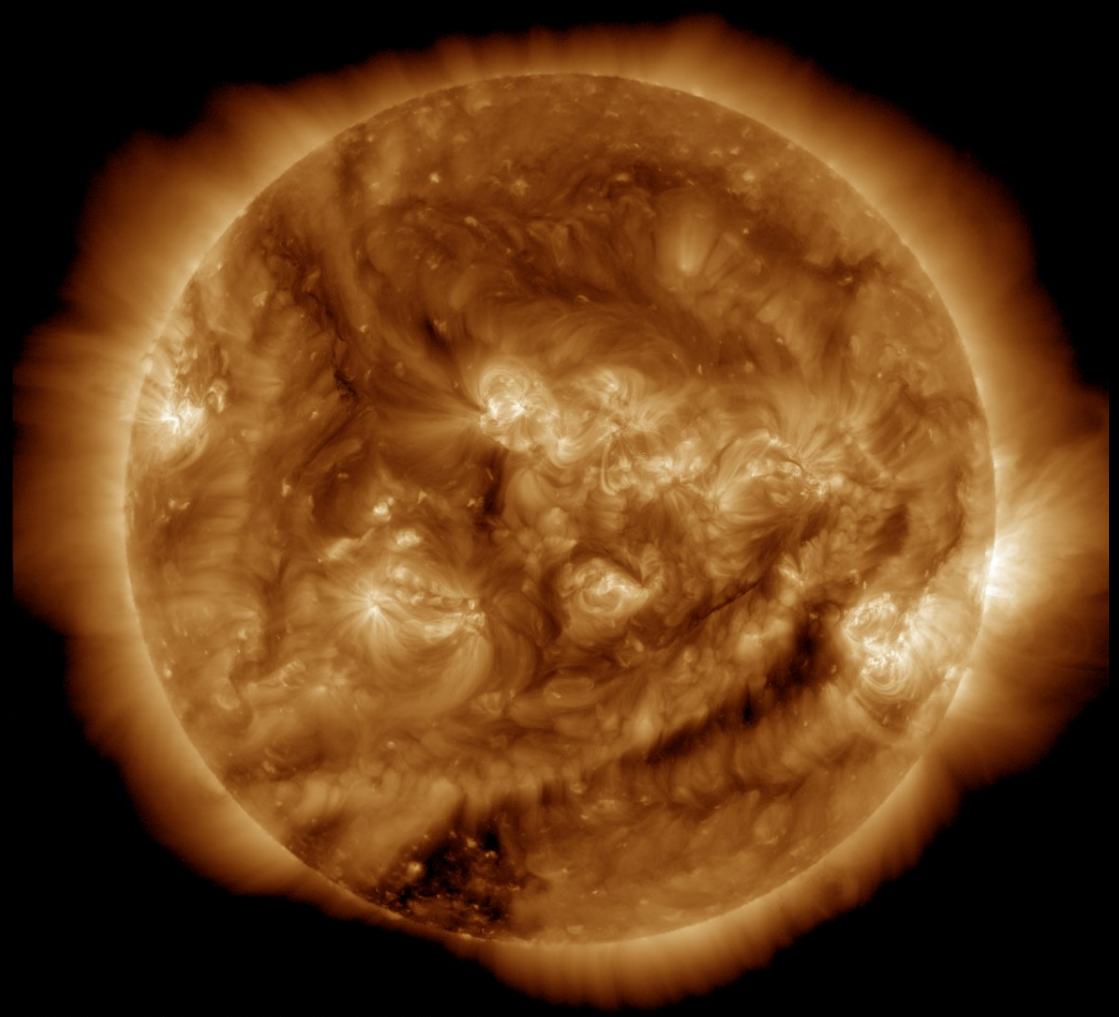


SDO/AIA 19.3 nm 2026-11-13

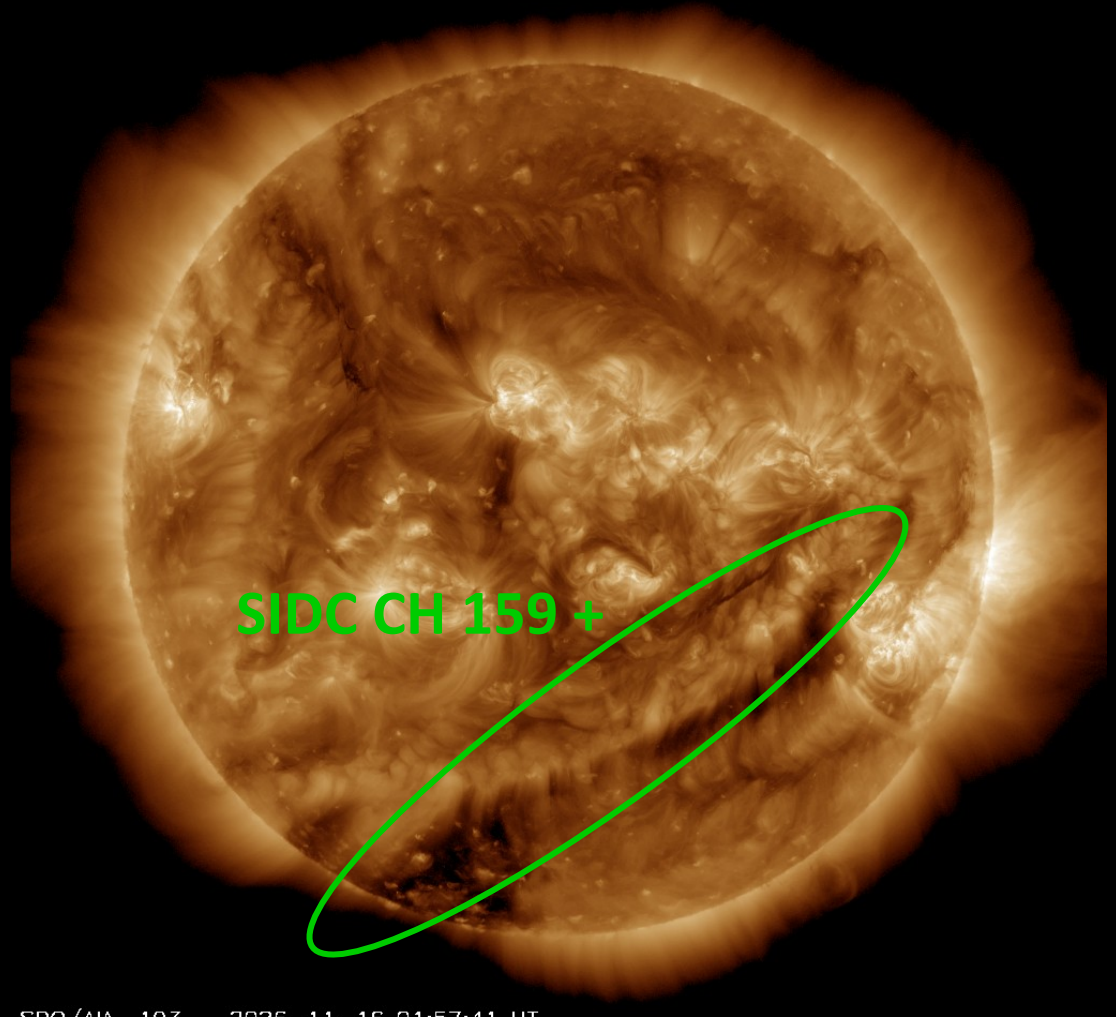


Coronal holes

SDO/AIA 19.3 nm 2026-11-15

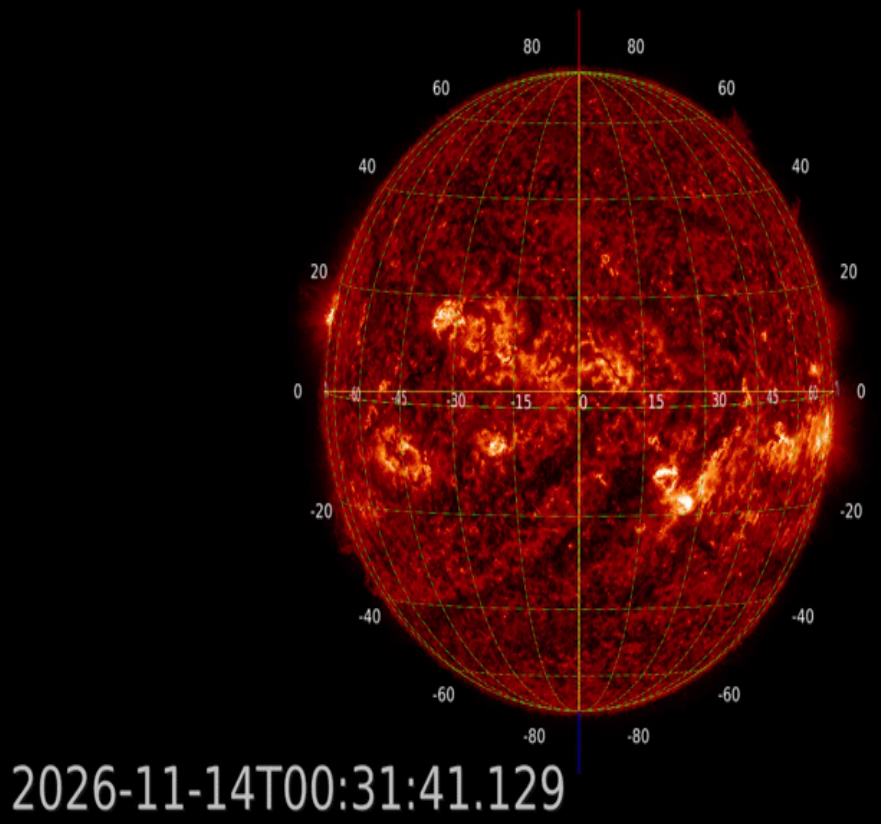


SDO/AIA 19.3 nm 2026-11-16

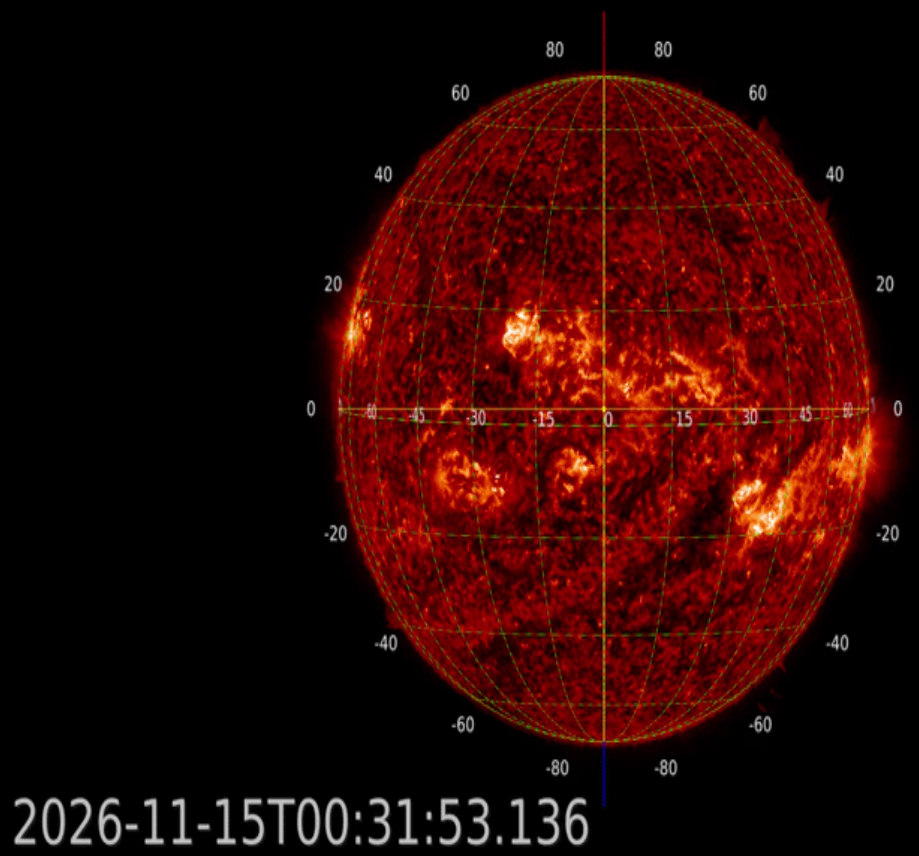


Filaments

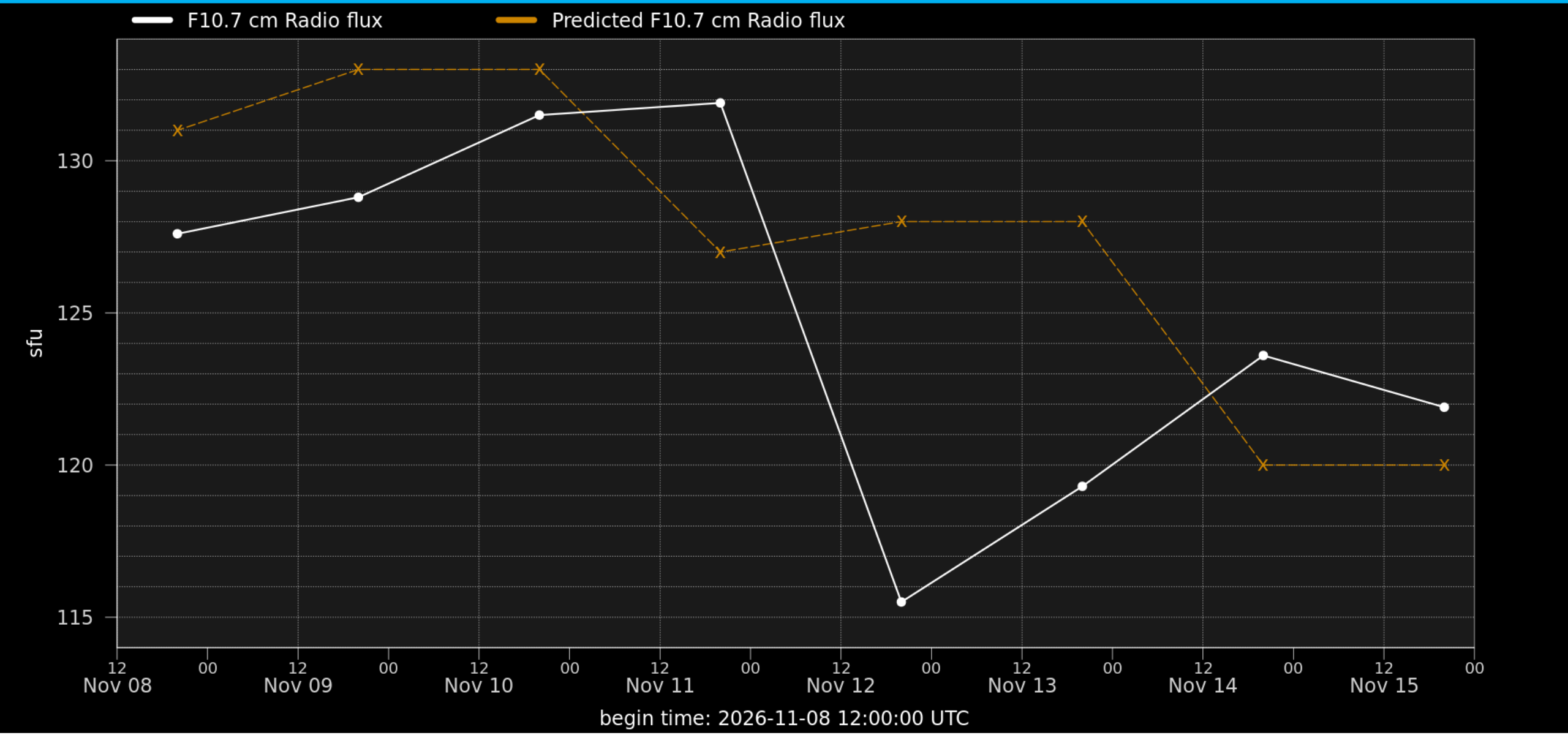
SDO/AIA 30.4 nm 2026-11-14



SDO/AIA 30.4 nm 2026-11-15



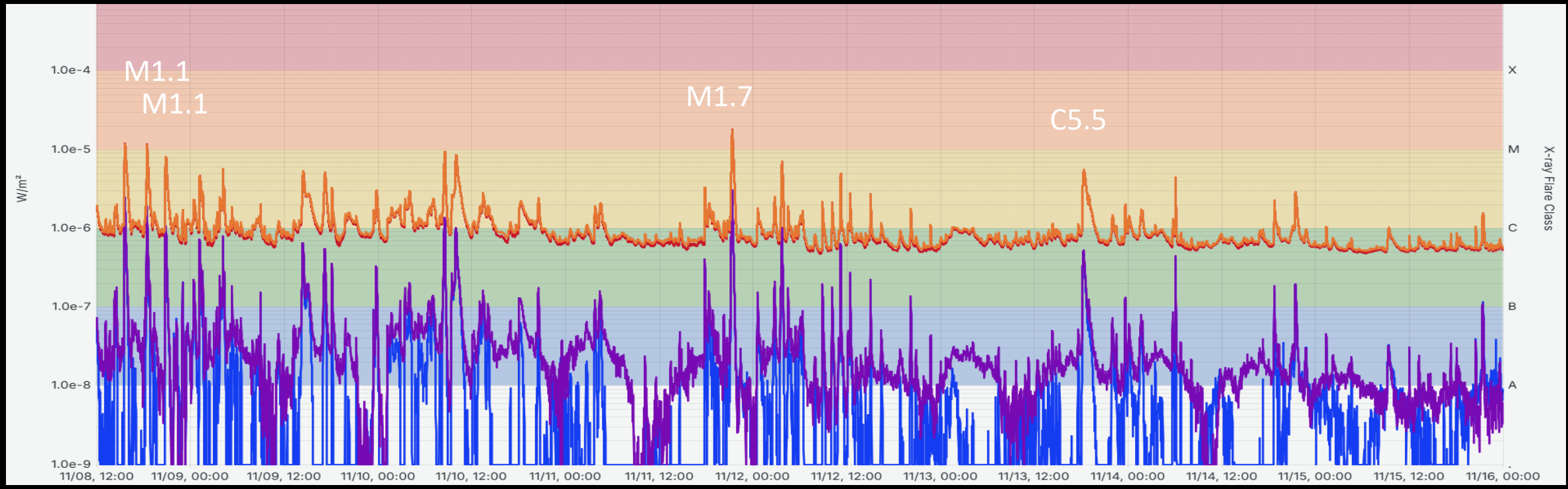
Solar F10.7cm radio flux



Flaring activity

SIDC SG 992 (4566)

SIDC SG 1004 (4579)

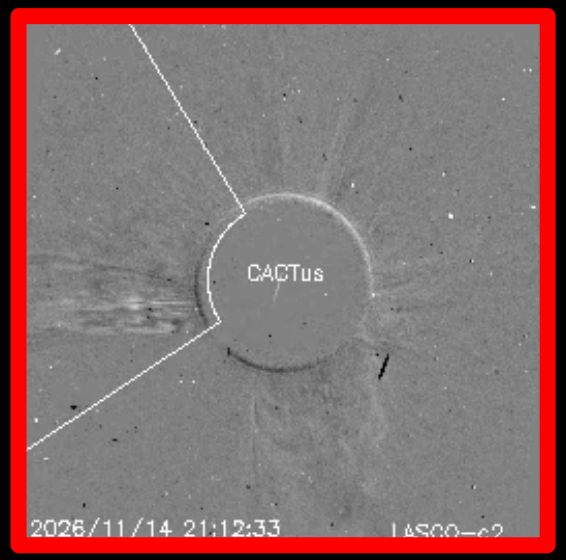


Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-11-08	2026-11-09	2026-11-10	2026-11-11	2026-11-12	2026-11-13	2026-11-14	2026-11-15
Probability (%)	99|70|20	99|78|22	97|51|01	94|42|01	93|40|01	91|31|01	98|48|01	94|35|01
Observed (#)	13|02|00	11|00|00	06|00|00	13|01|00	05|00|00	07|00|00	03|00|00	02|00|00

Coronal Mass Ejections

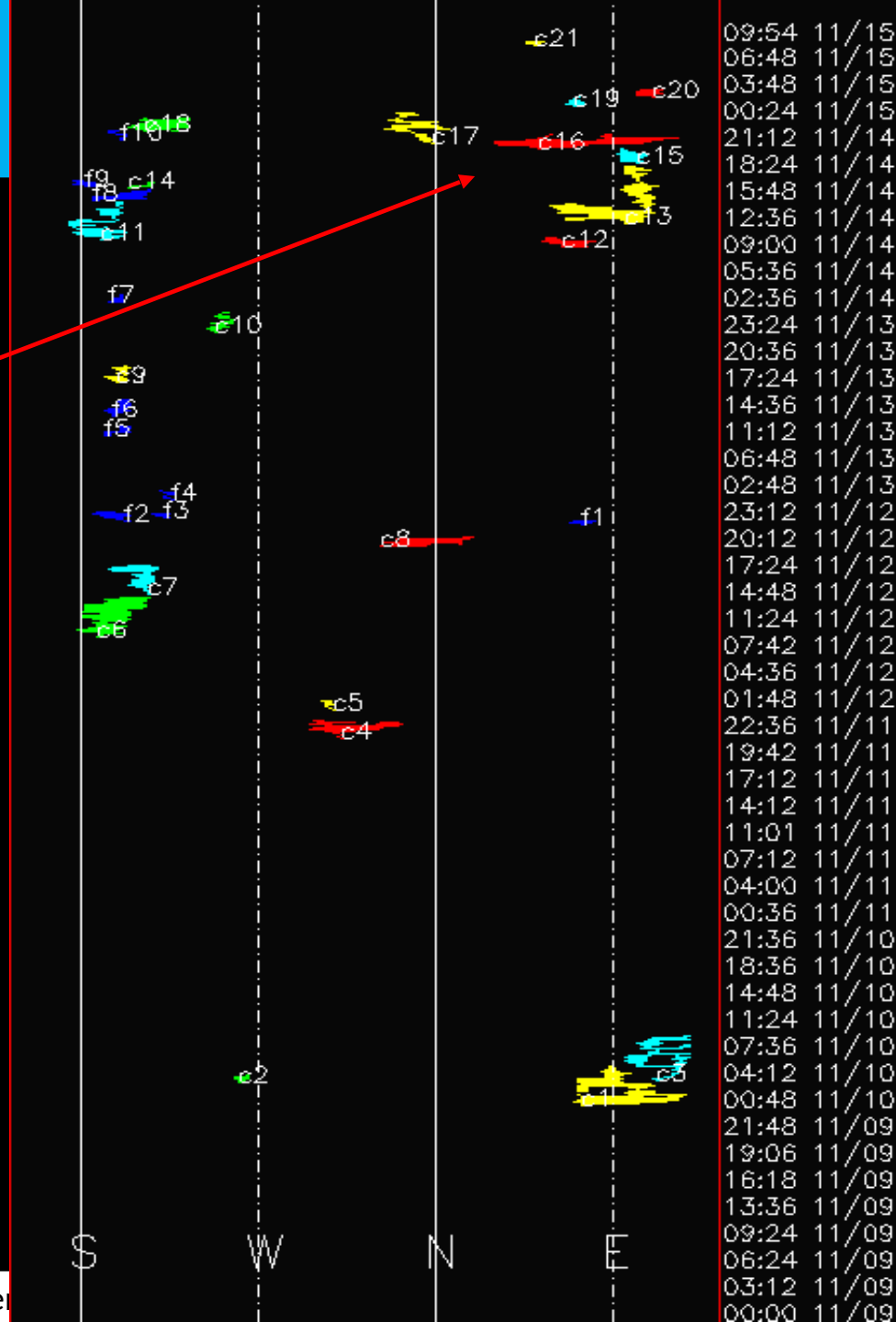
No Earth directed CMEs observed over the week



CME observed in LASCO C2 on 2026/11/14 21:48

Associated with SIDC 8985 C1.5 [21:27] UTC from SIDC SG 1004 (NOAA 4579) (N15,E72)

Not expected Earth directed



Solar Wind and

Geomagnetic Activity

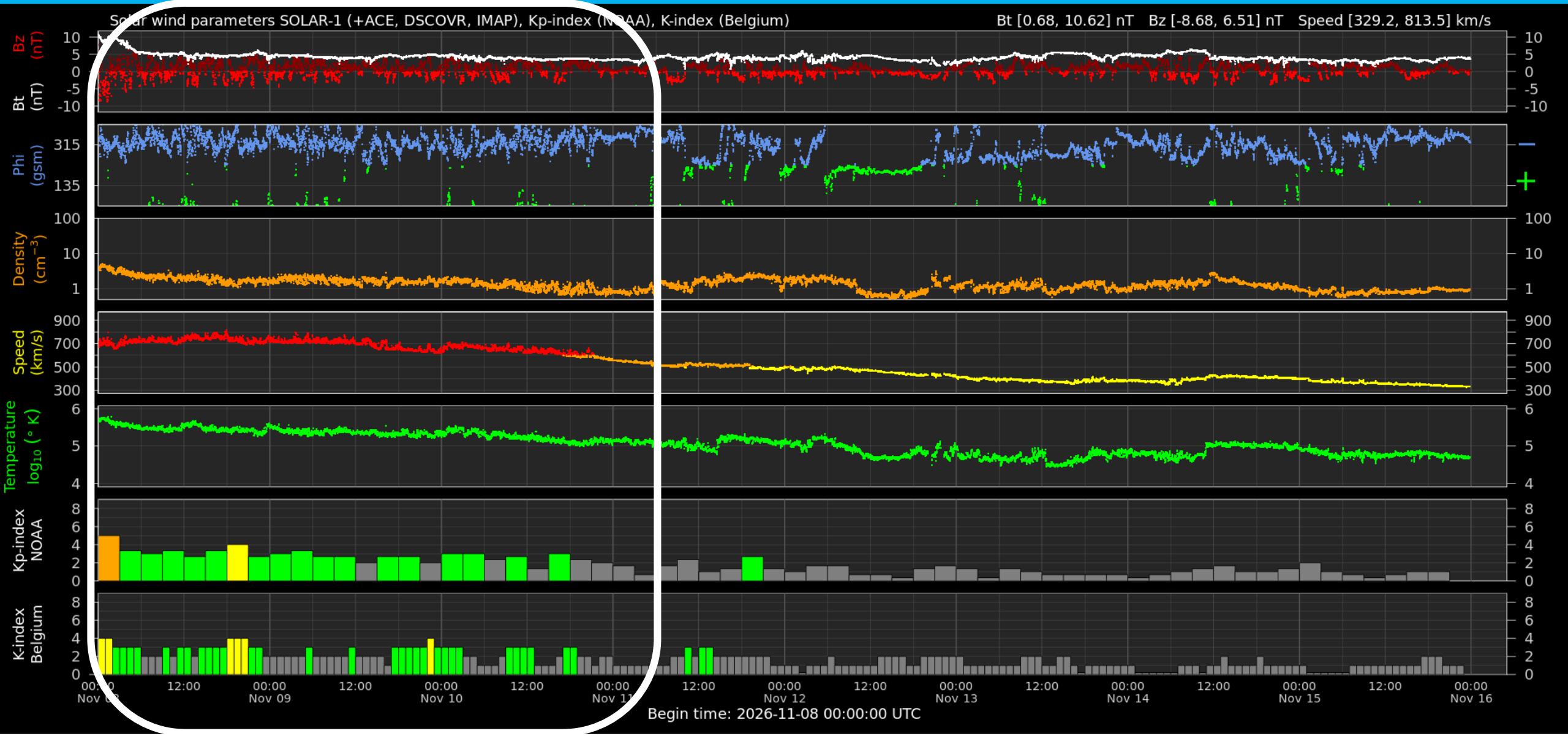


Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Solar wind parameters & K-indices

HSS CH 149



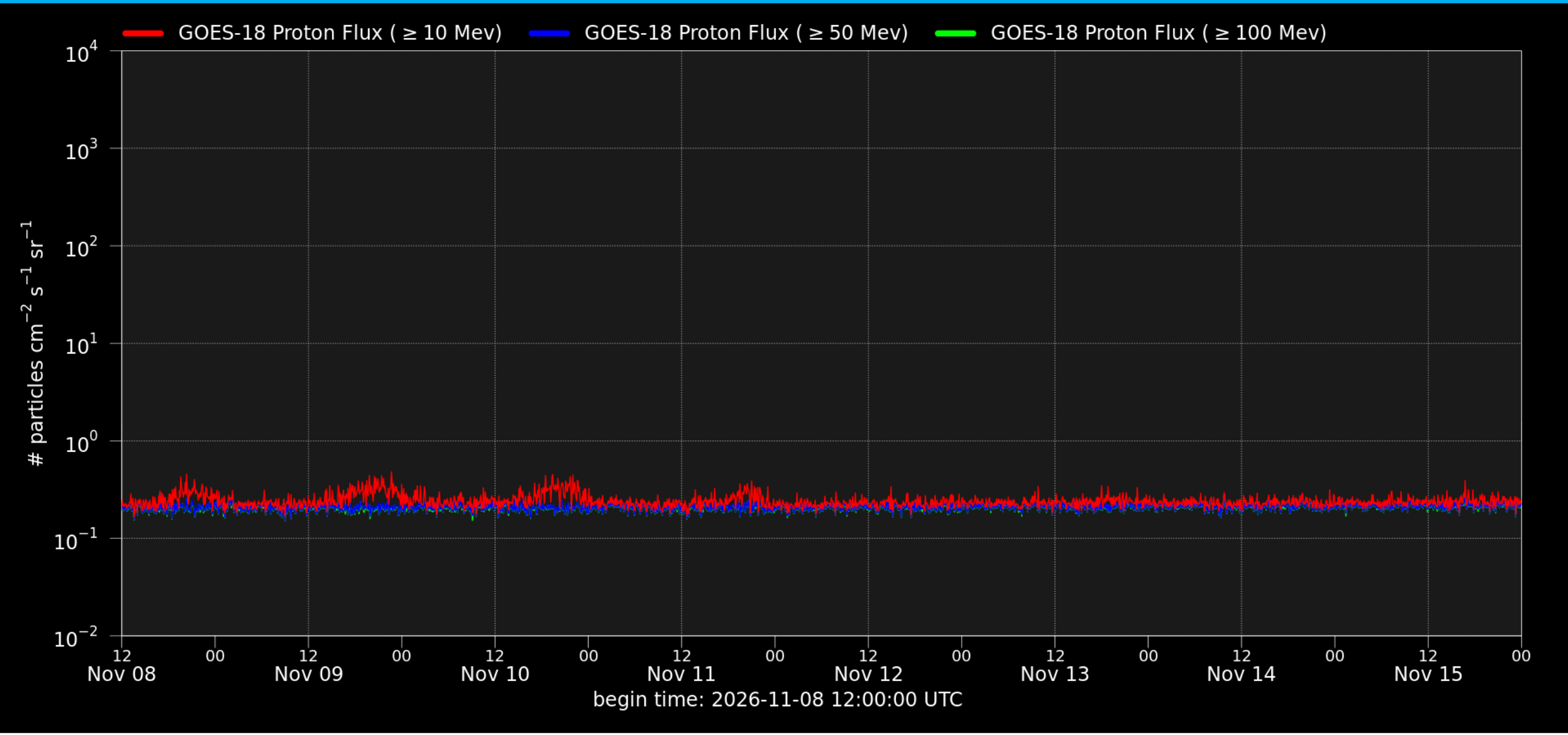
Energetic Particles



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

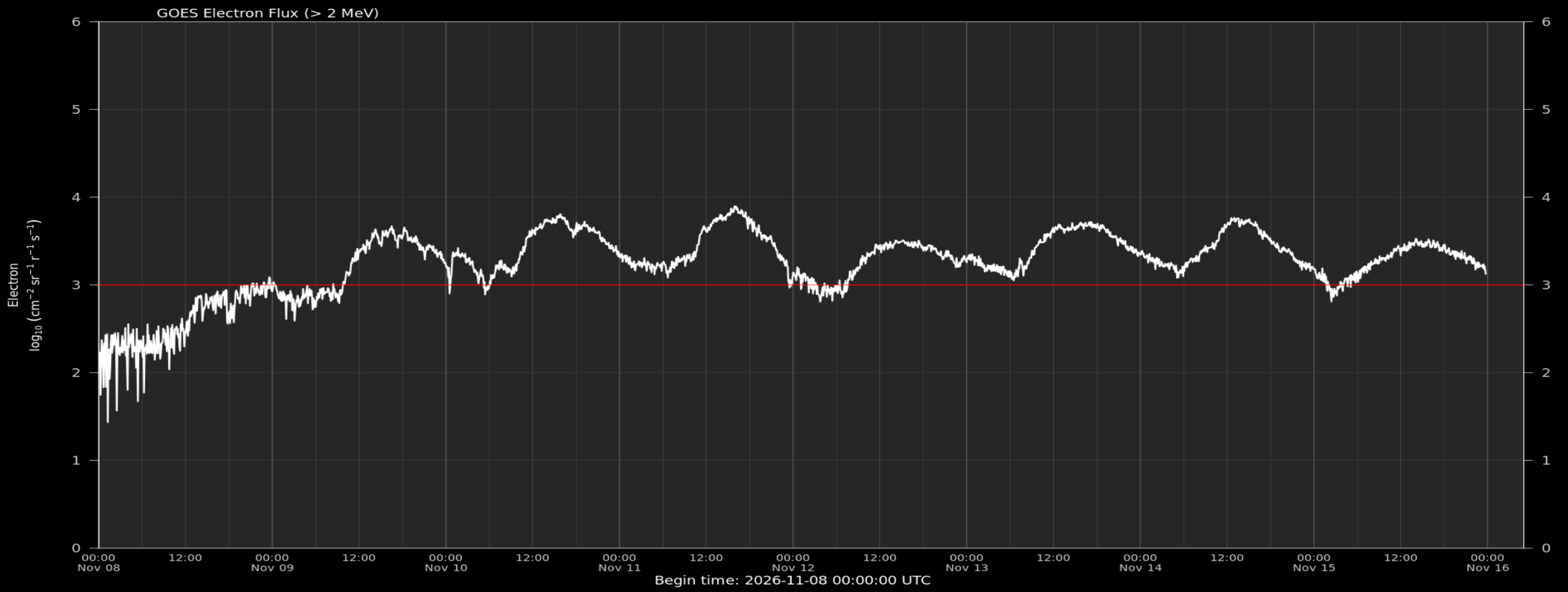
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

www.spaceweather.gc.ca/forecast-prevision/space-spatiale/sffl-en.php

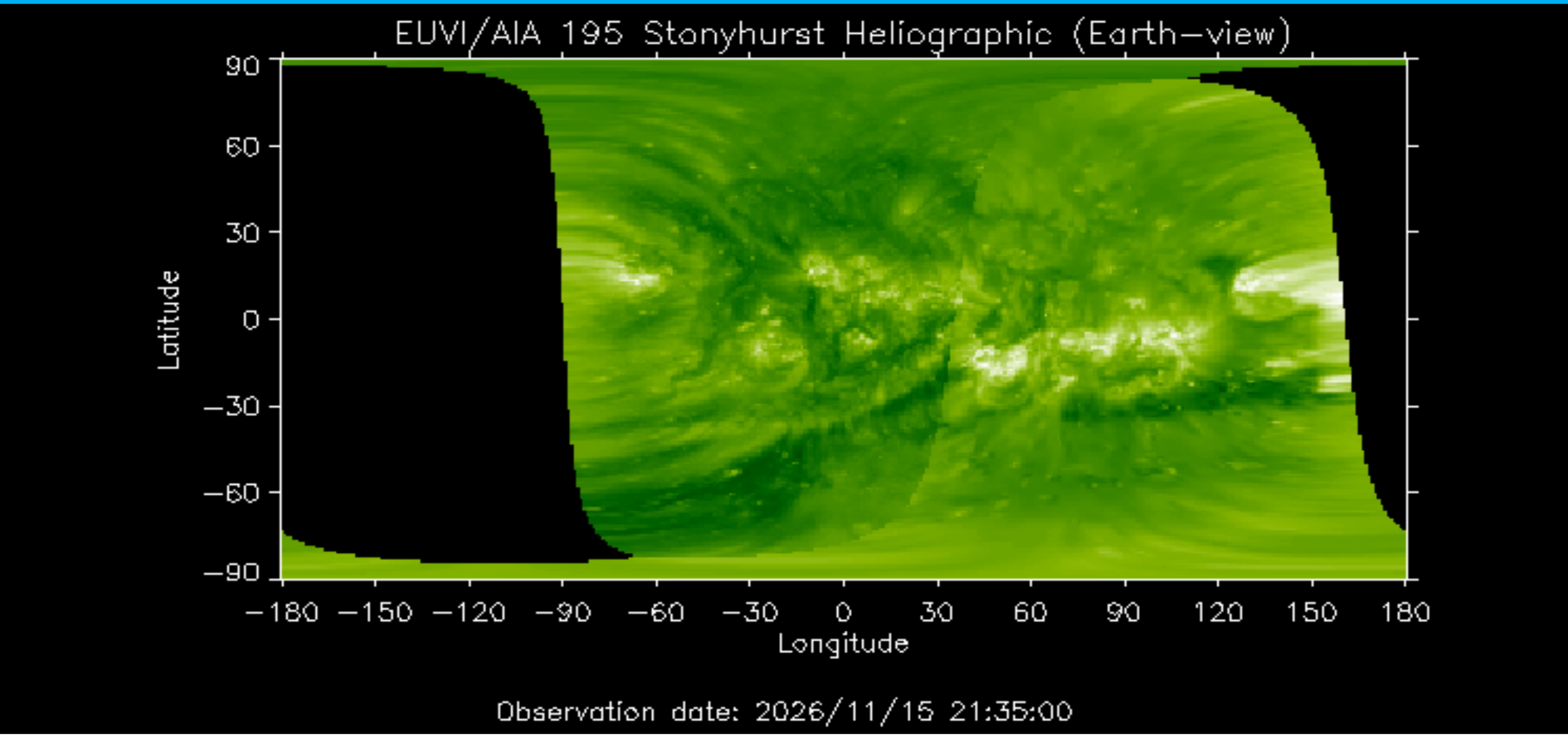


Outlook

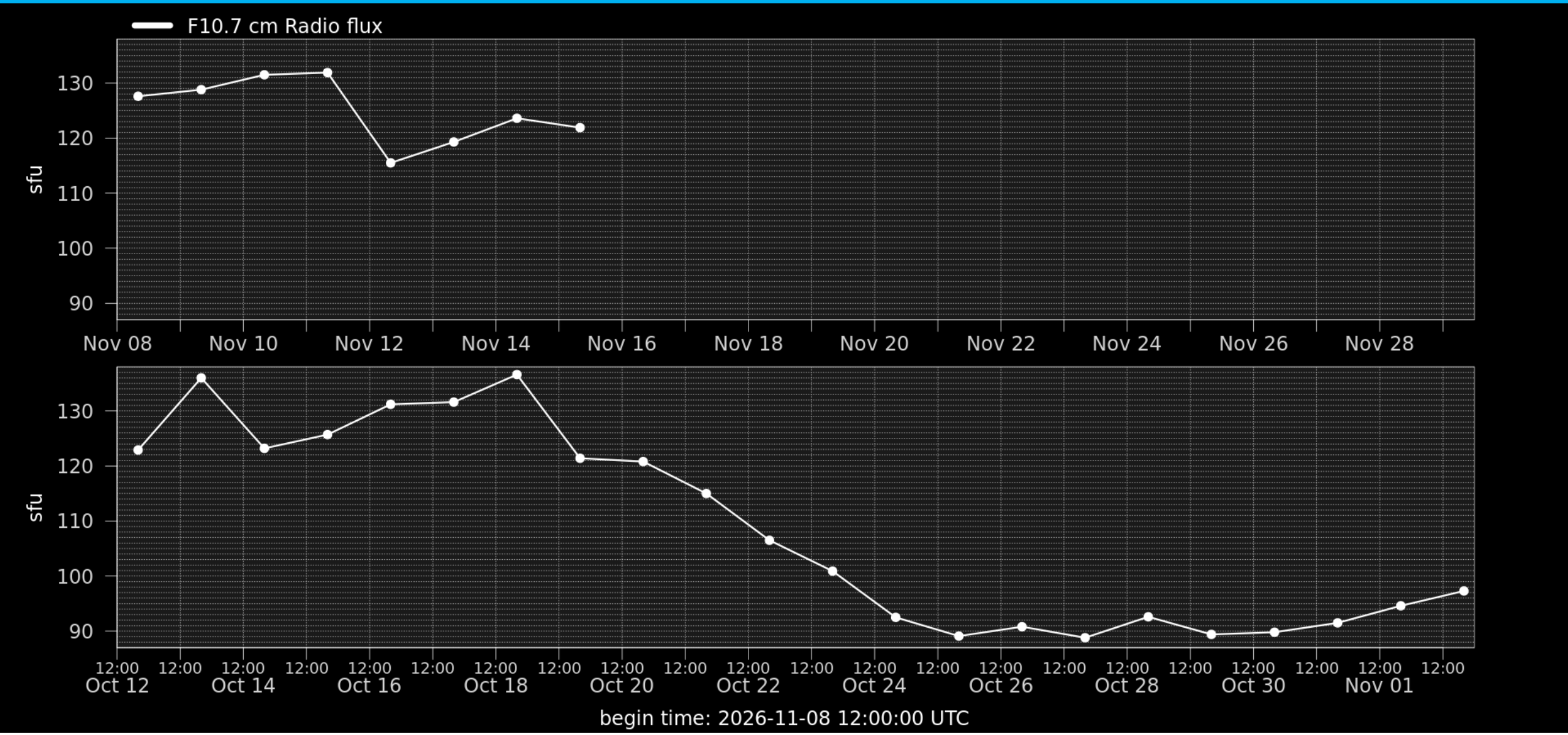
Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Outlook: Solar activity

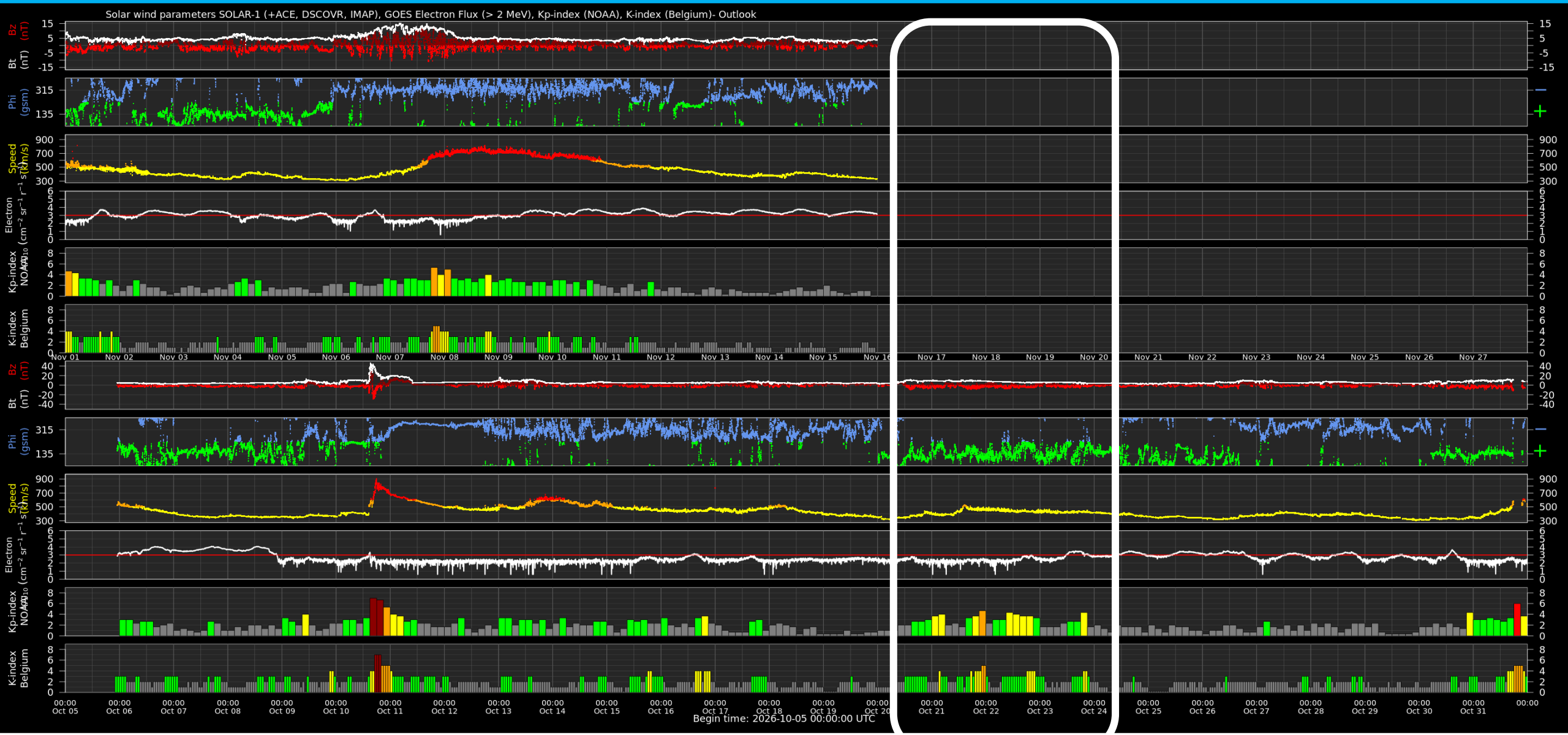


Outlook: Solar F10.7cm radio flux



Outlook: Electron Flux at GEO Outlook

HSS CH 159 +



PECASUS

Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Pecasus related events

HF COM Post Storm Depression (Lower MUF) at beginning of the week

GNSS Scintillations (Plasma bubbles, mainly South America)

SIDC Space Weather Briefing

See you at our next briefing!

Or visit us at www.sidc.be

Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be