SIDC Space Weather Briefing

26 October 2026-01 November 2026

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& the SIDC forecaster team

Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-10-26 00:00 to 2026-11-01 23:59

Active regions	SIDC SG 990 (NOAA AR 4561)
Flares	# C-class flare: 9 # M-class flare: 0 # X-class flare: 0
Coronal Holes	SIDC Coronal Hole 179 (positive polarity equatorial)
CMEs	No Earth-directed CME

Proton flux	At nominal levels
Electron flux	Marginal above the 1000 pfu alert threshold for most of the week

Solar wind and geomagnetic conditions

ICMEs	None
Solar wind conditions	|B|: 1 - 12 nT// Bz: -11 nT to 9 nT// Speed: 310 - 620 km/s
Geomagnetic conditions	max KBel: 5.0, max Kp(NOAA): 6.0, Moderate Storm conditions

All Quiet Alert: Not quiet

Solar Activity

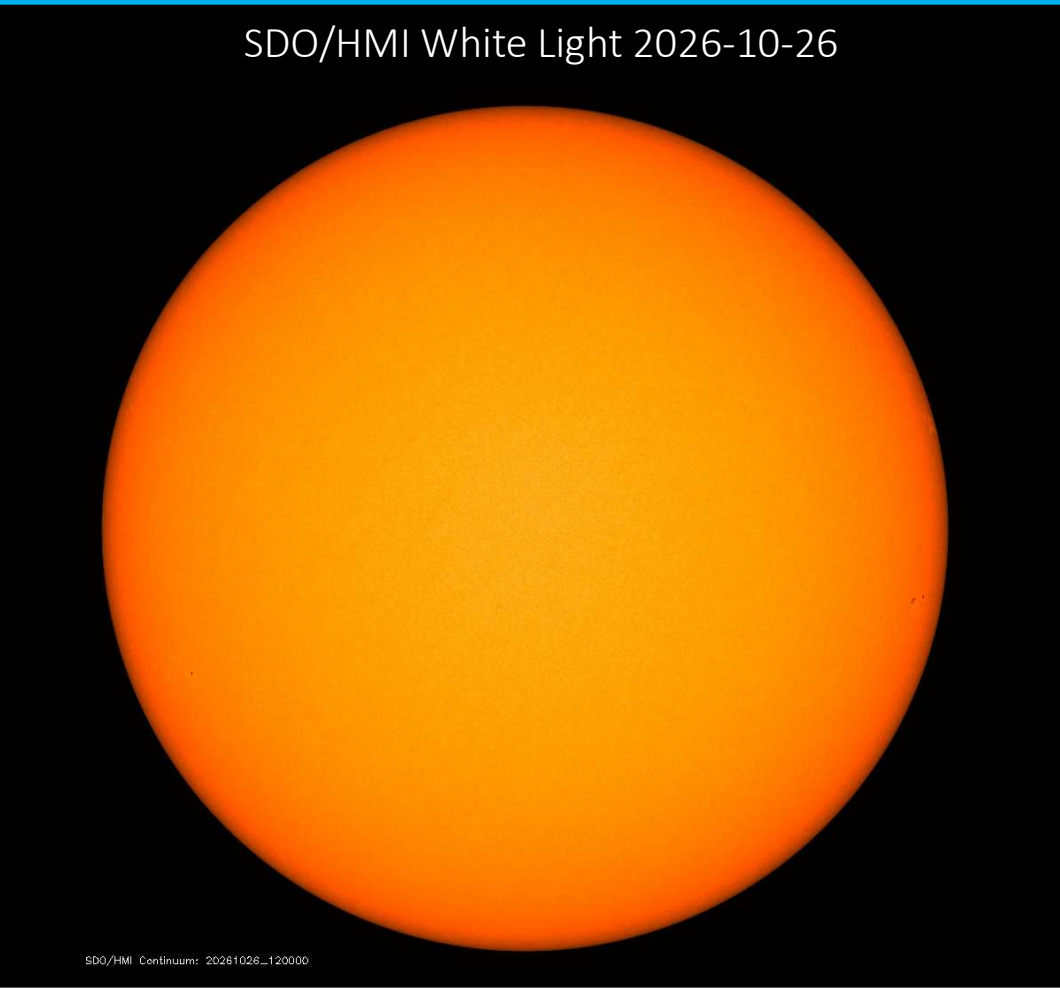


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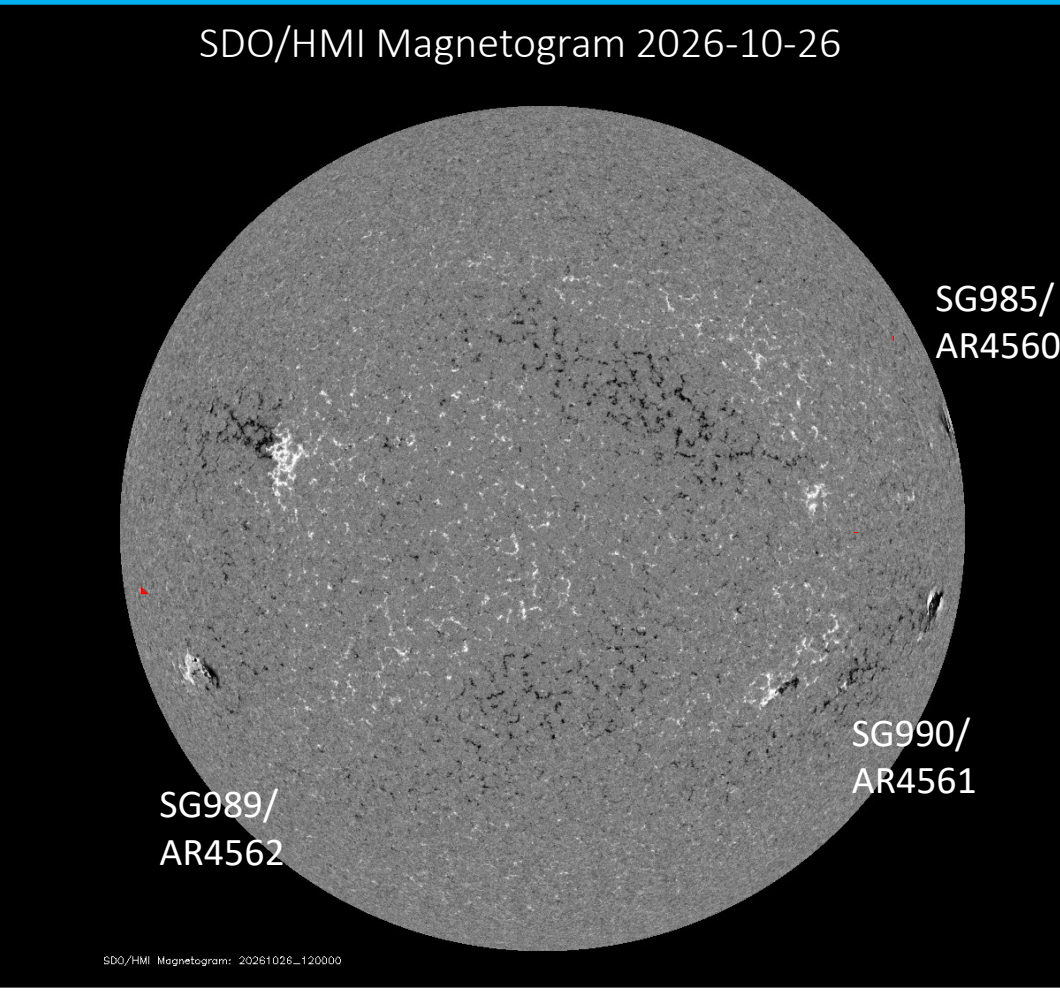
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Solar active regions

SDO/HMI White Light 2026-10-26

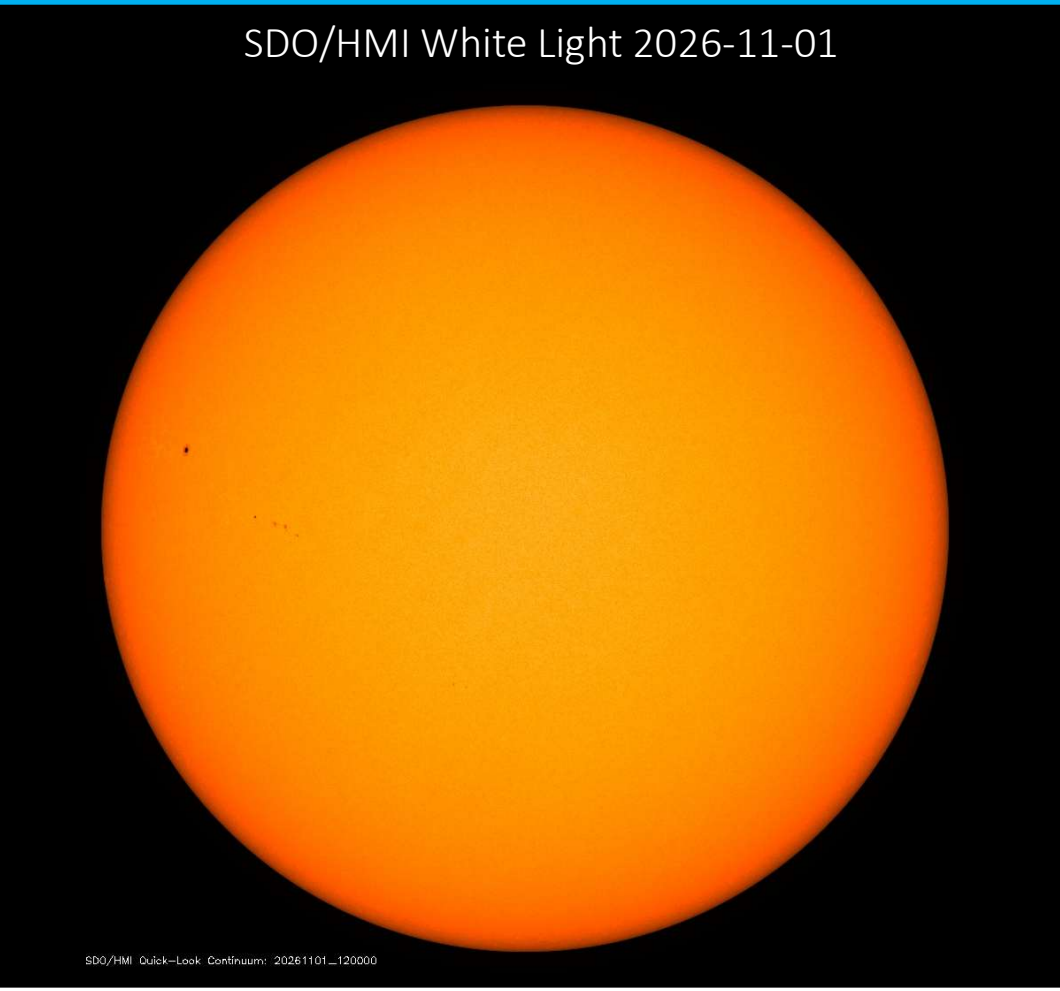


SDO/HMI Magnetogram 2026-10-26

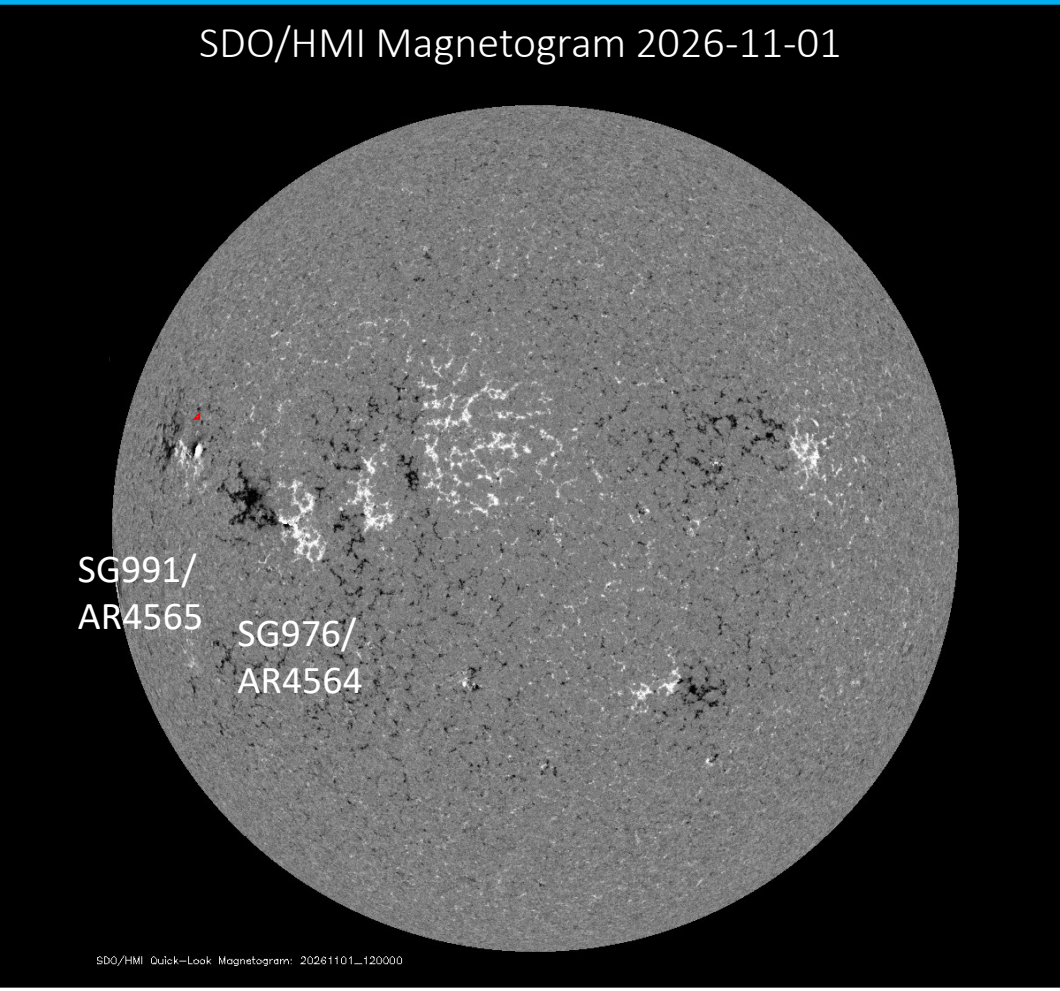


Solar active regions

SDO/HMI White Light 2026-11-01

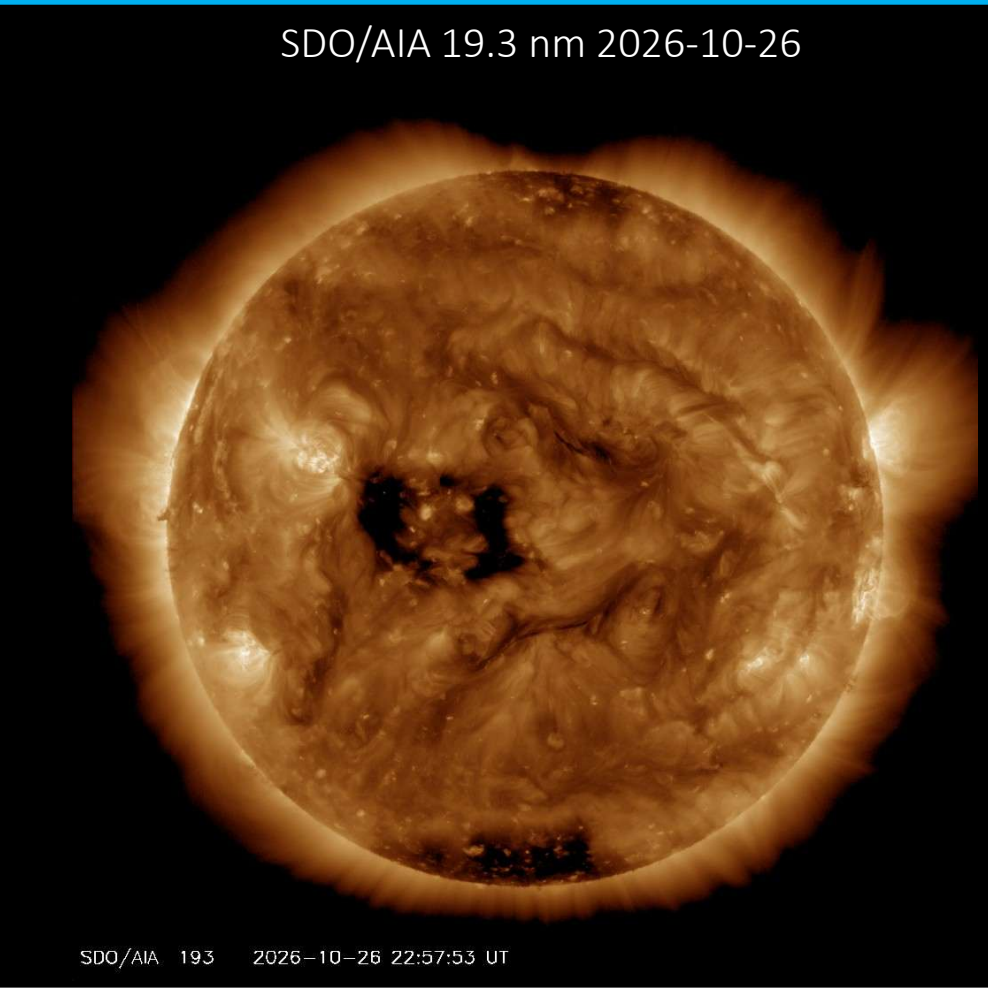


SDO/HMI Magnetogram 2026-11-01

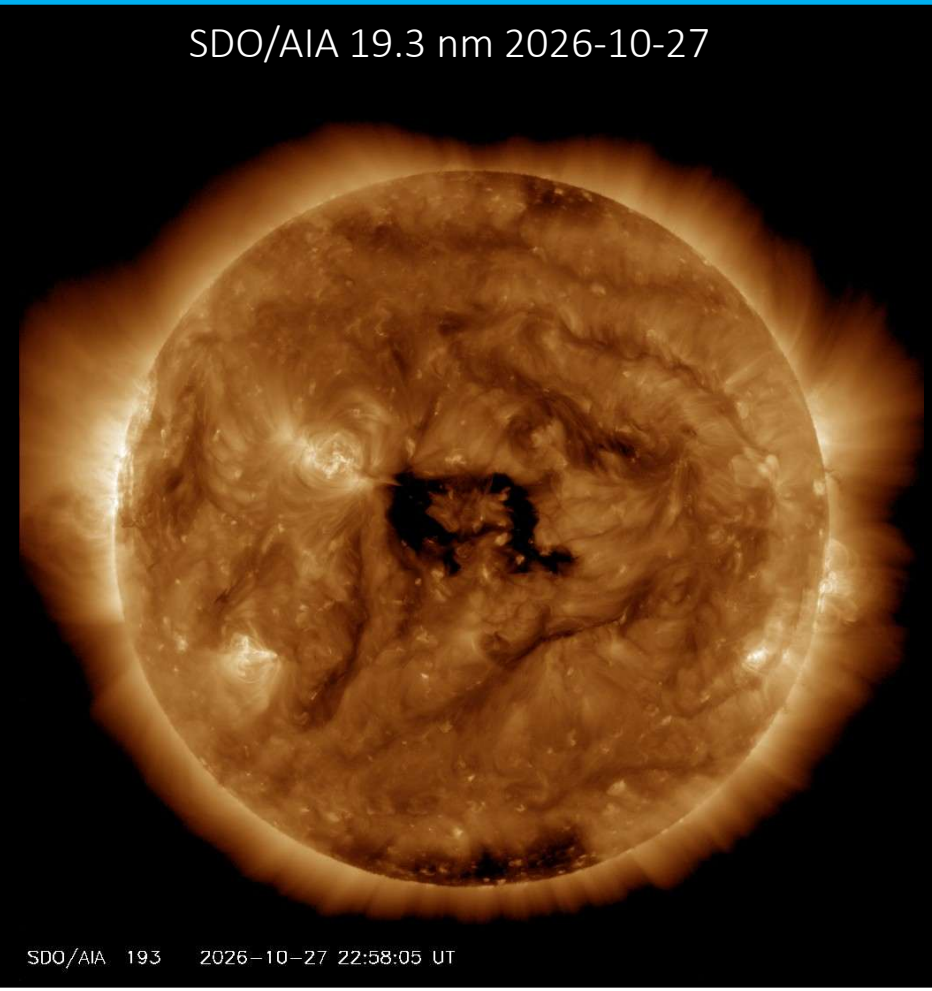


Coronal holes

SDO/AIA 19.3 nm 2026-10-26

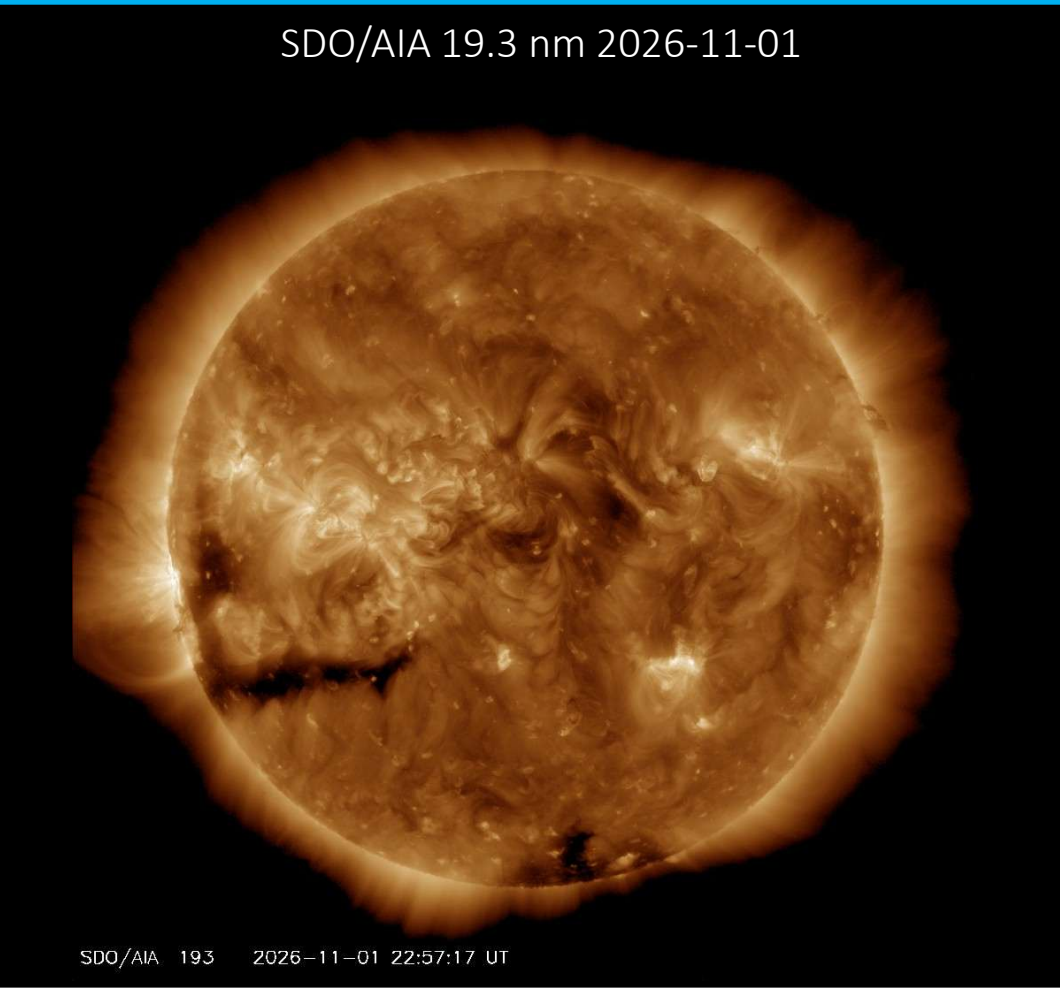


SDO/AIA 19.3 nm 2026-10-27

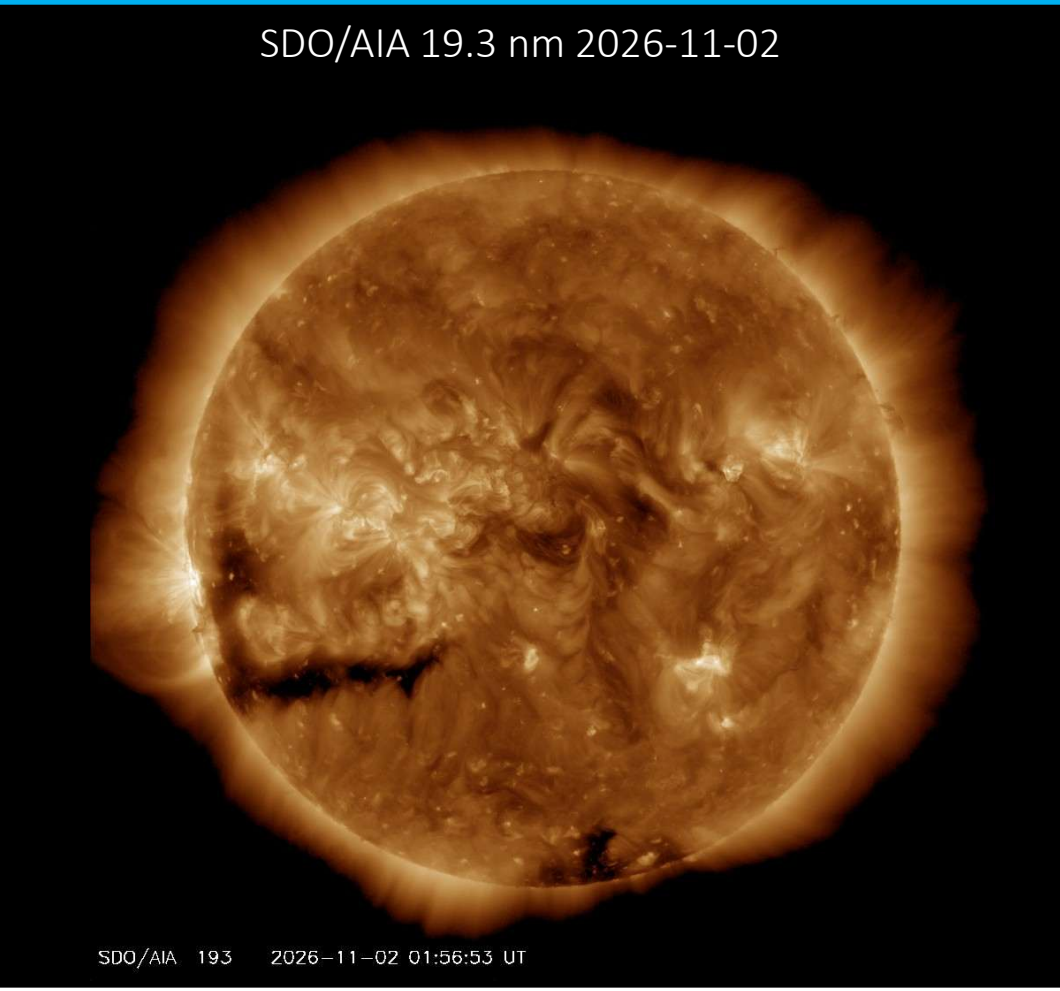


Coronal holes

SDO/AIA 19.3 nm 2026-11-01

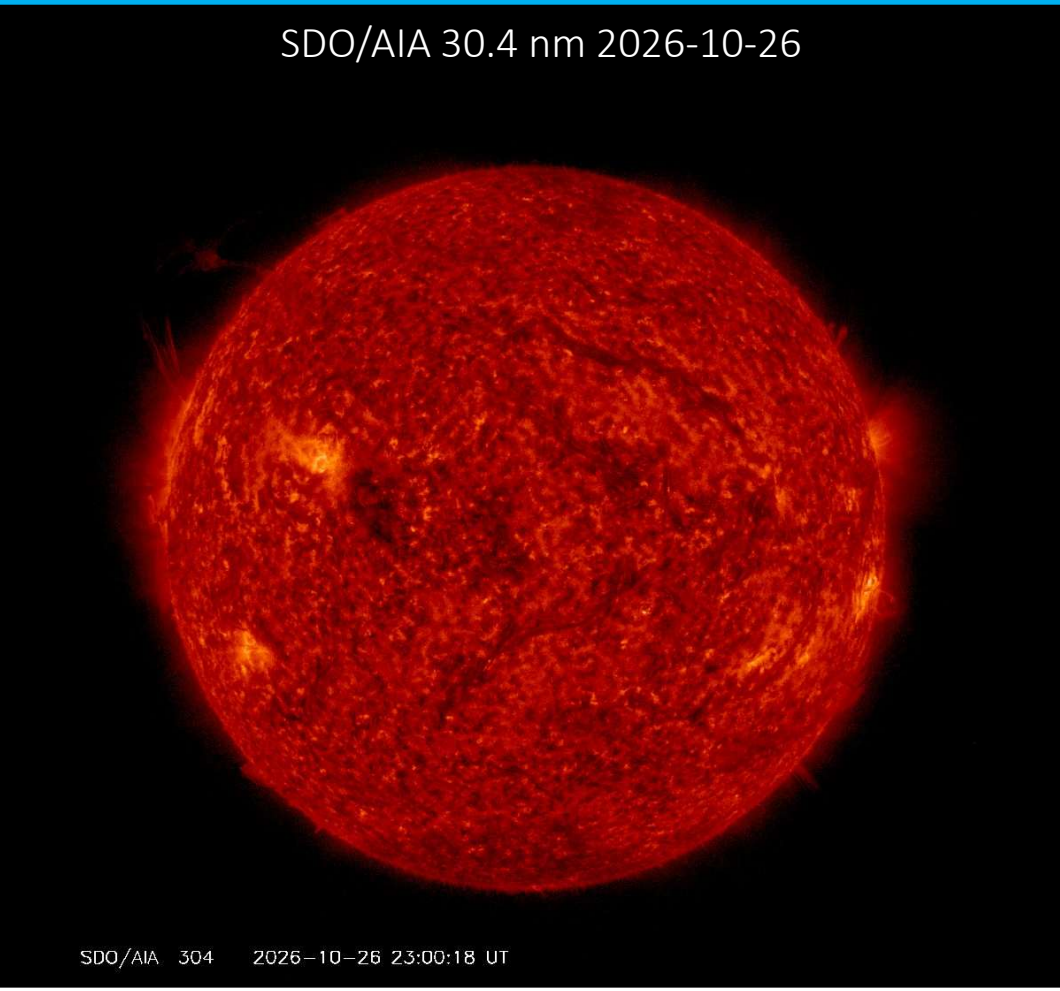


SDO/AIA 19.3 nm 2026-11-02

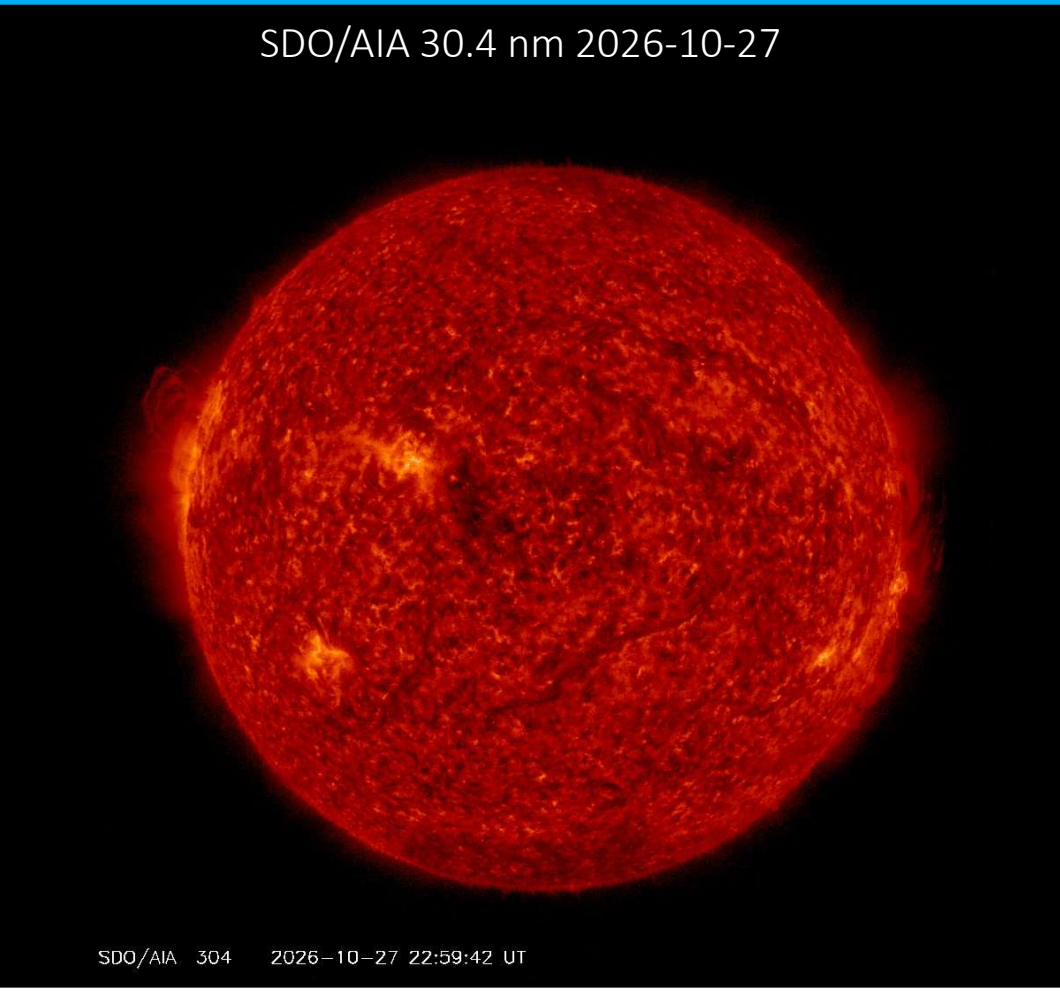


Filaments

SDO/AIA 30.4 nm 2026-10-26

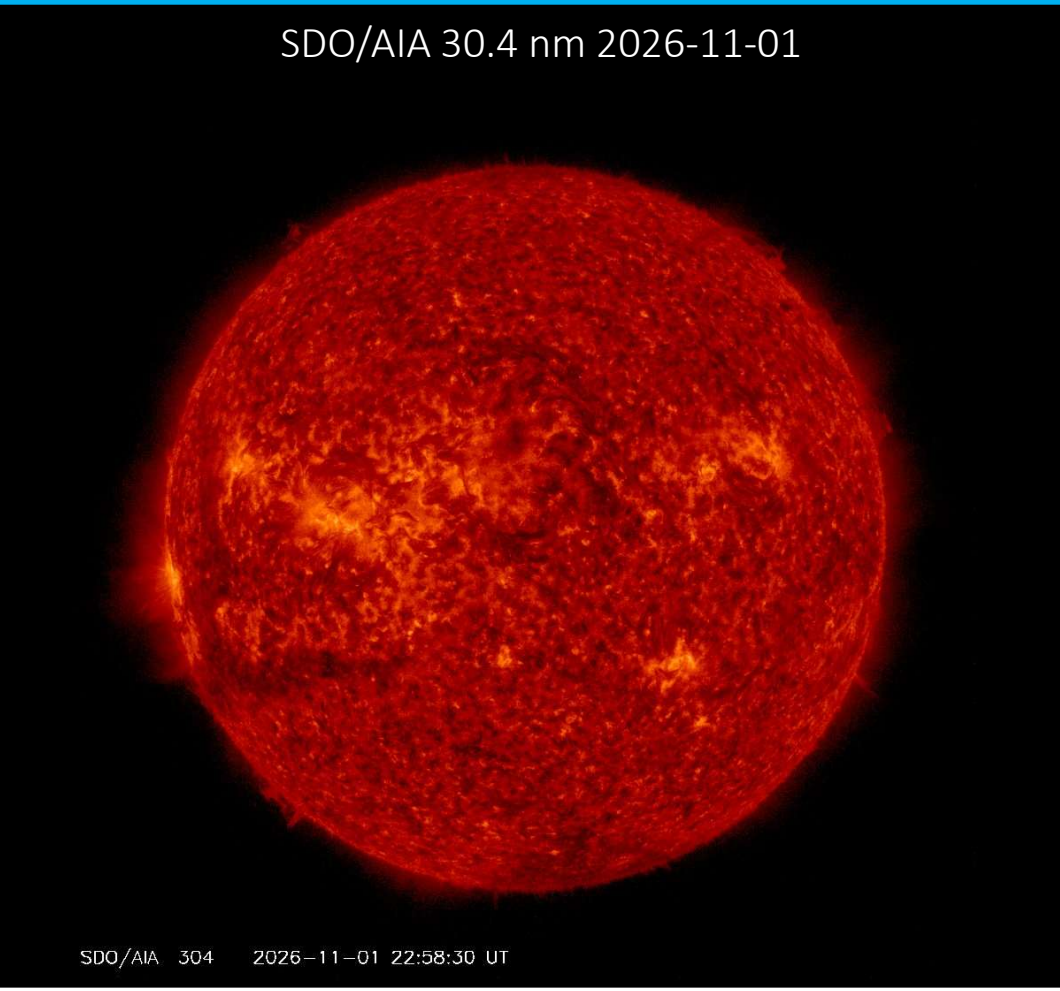


SDO/AIA 30.4 nm 2026-10-27

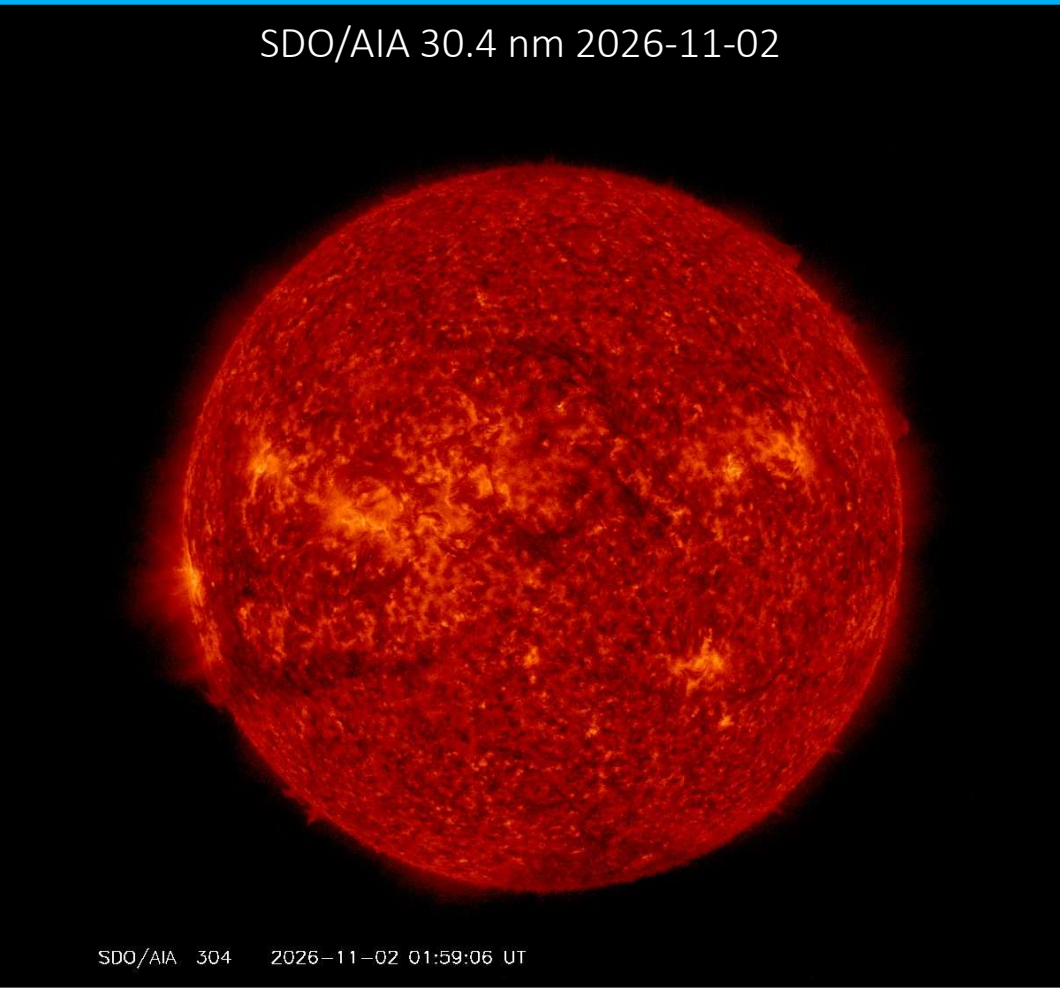


Filaments

SDO/AIA 30.4 nm 2026-11-01

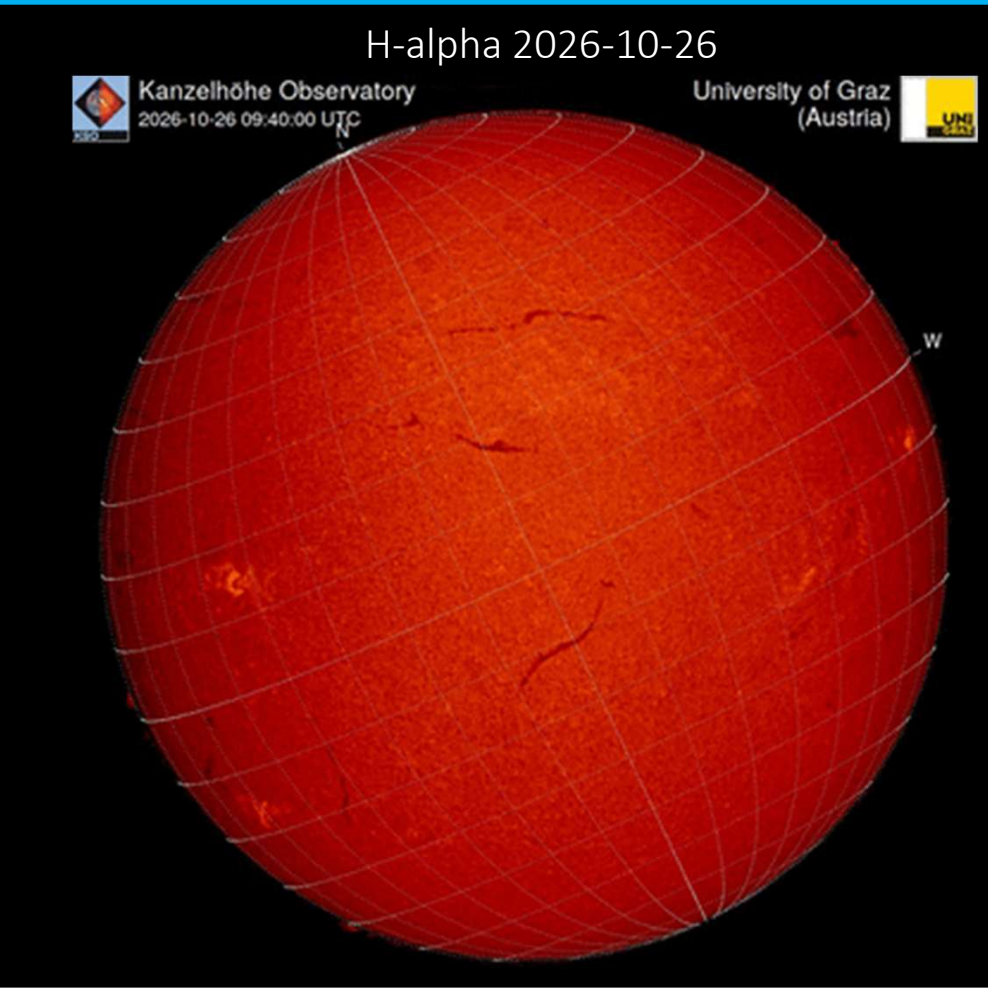


SDO/AIA 30.4 nm 2026-11-02

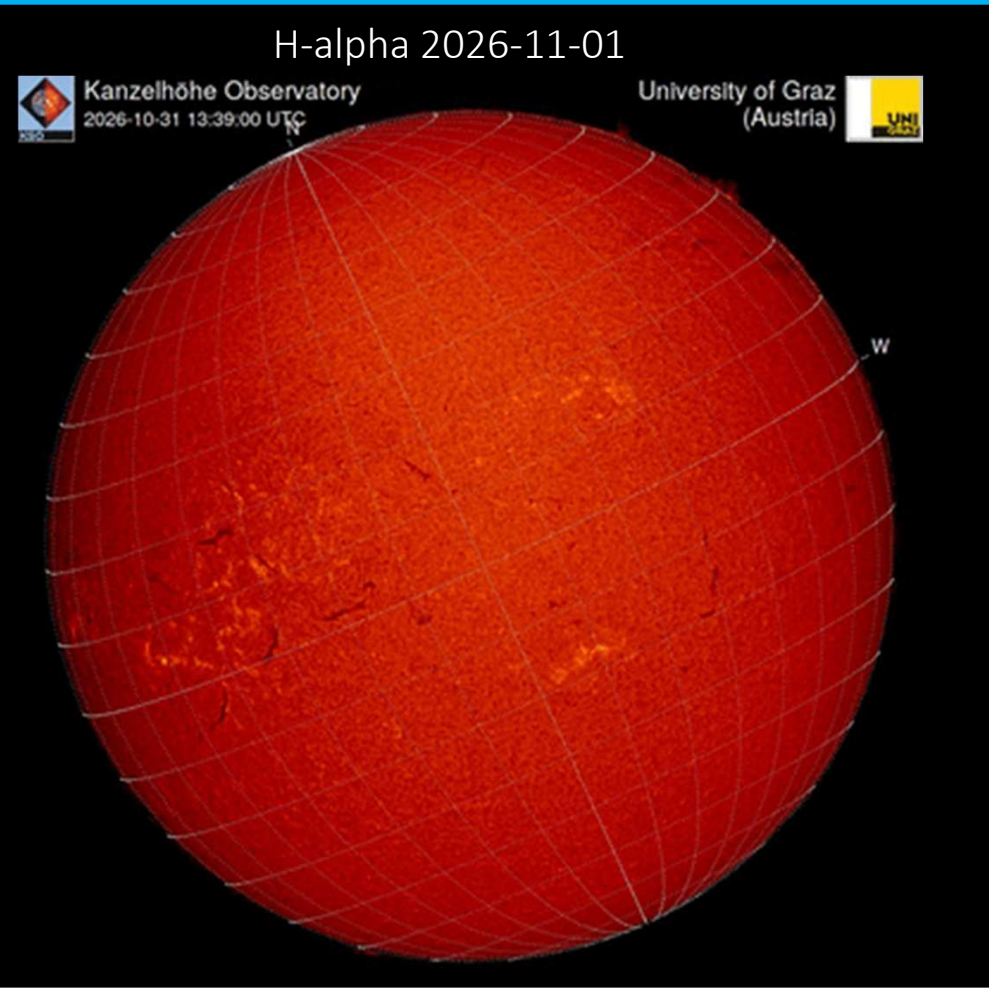


Filaments & Filament eruptions

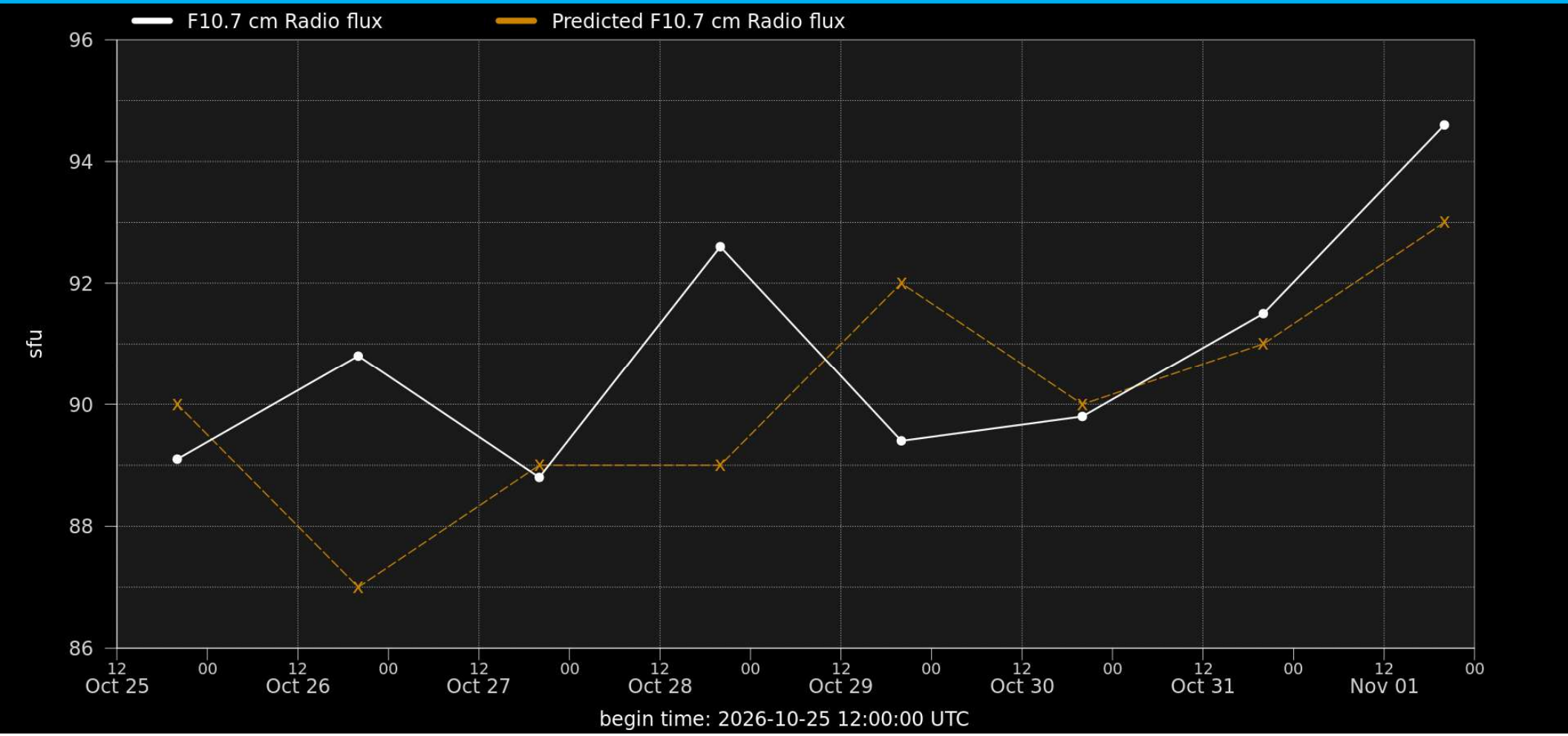
H-alpha 2026-10-26



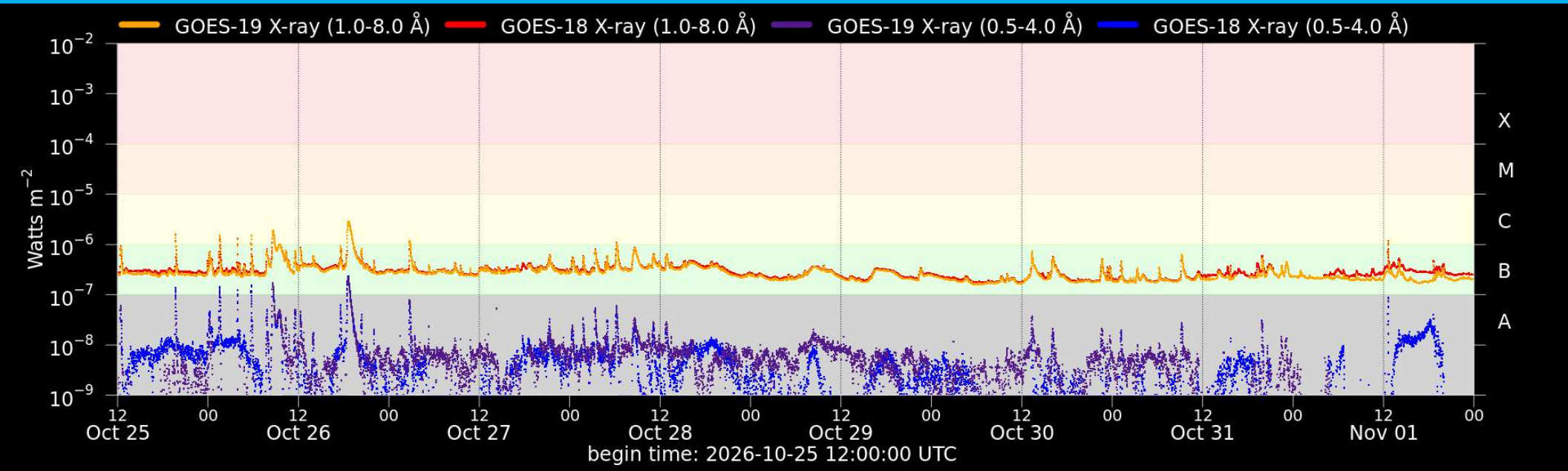
H-alpha 2026-11-01



Solar F10.7cm radio flux



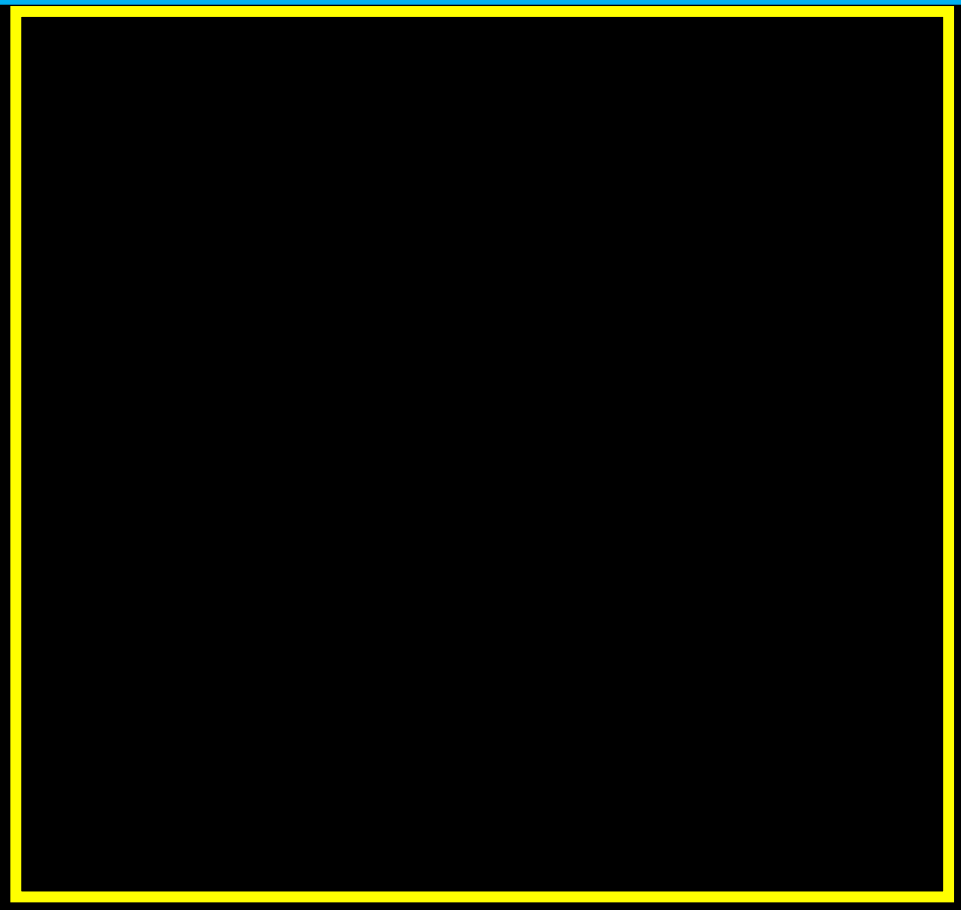
Flaring activity



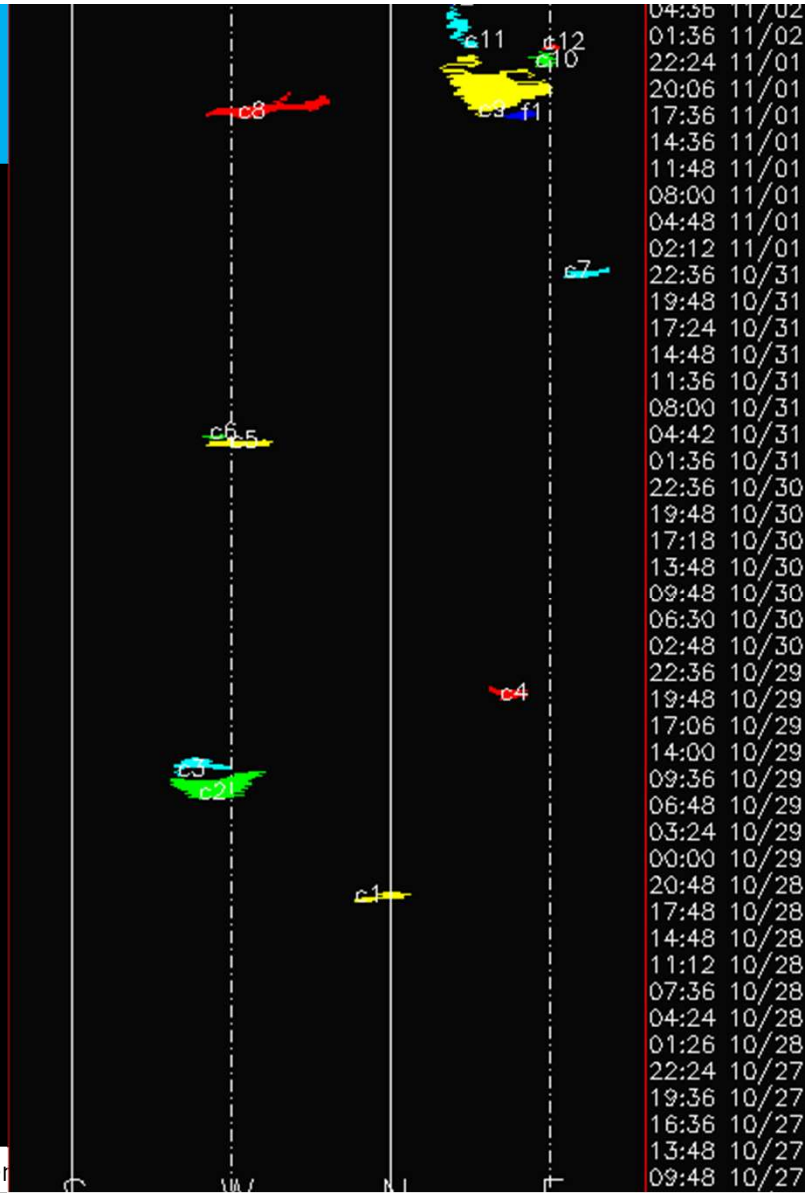
Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-10-25	2026-10-26	2026-10-27	2026-10-28	2026-10-29	2026-10-30	2026-10-31	2026-11-01
Probability (%)	64|20|01	64|12|01	50|05|01	05|01|01	01|01|01	05|01|01	28|01|01	28|04|01
Observed (#)	05|00|00	02|00|00	01|00|00	00|00|00	00|00|00	00|00|00	00|00|00	01|00|00

Coronal Mass Ejections



SIDC CME 740: Glancing blow expected on 5 Nov



Solar Wind and

Geomagnetic Activity

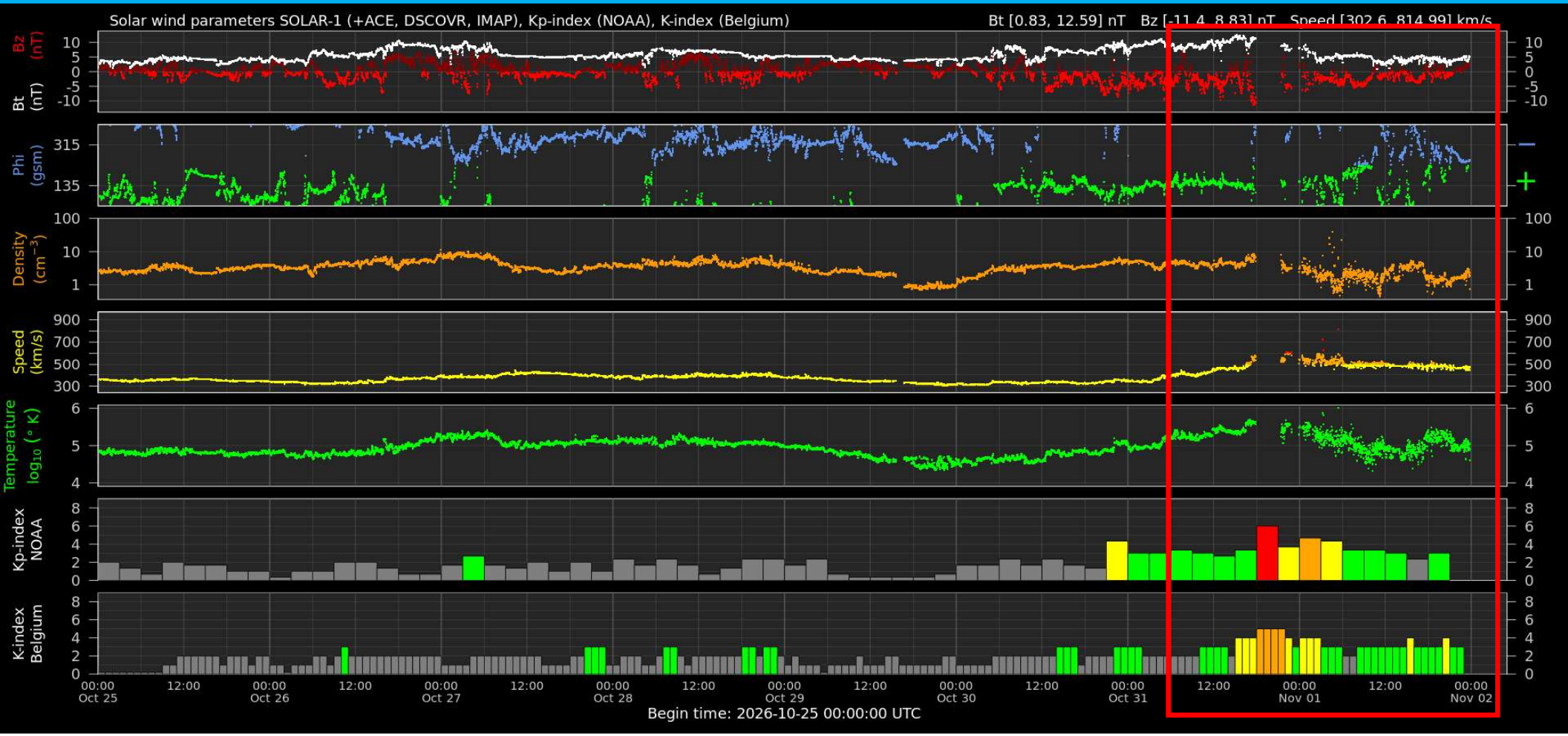


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Solar wind parameters & K-indices

CIR+ HSS (CH 179)



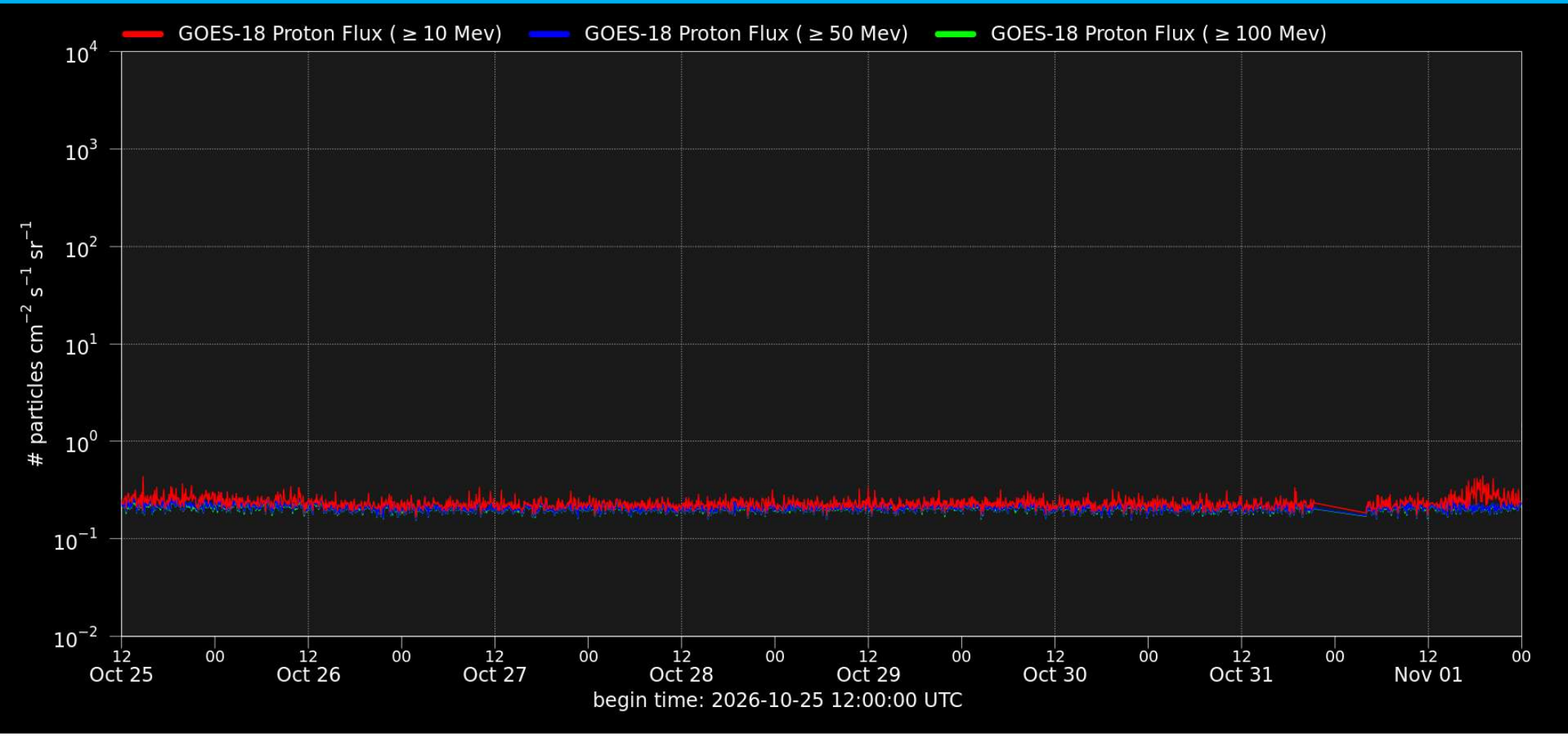
Energetic Particles



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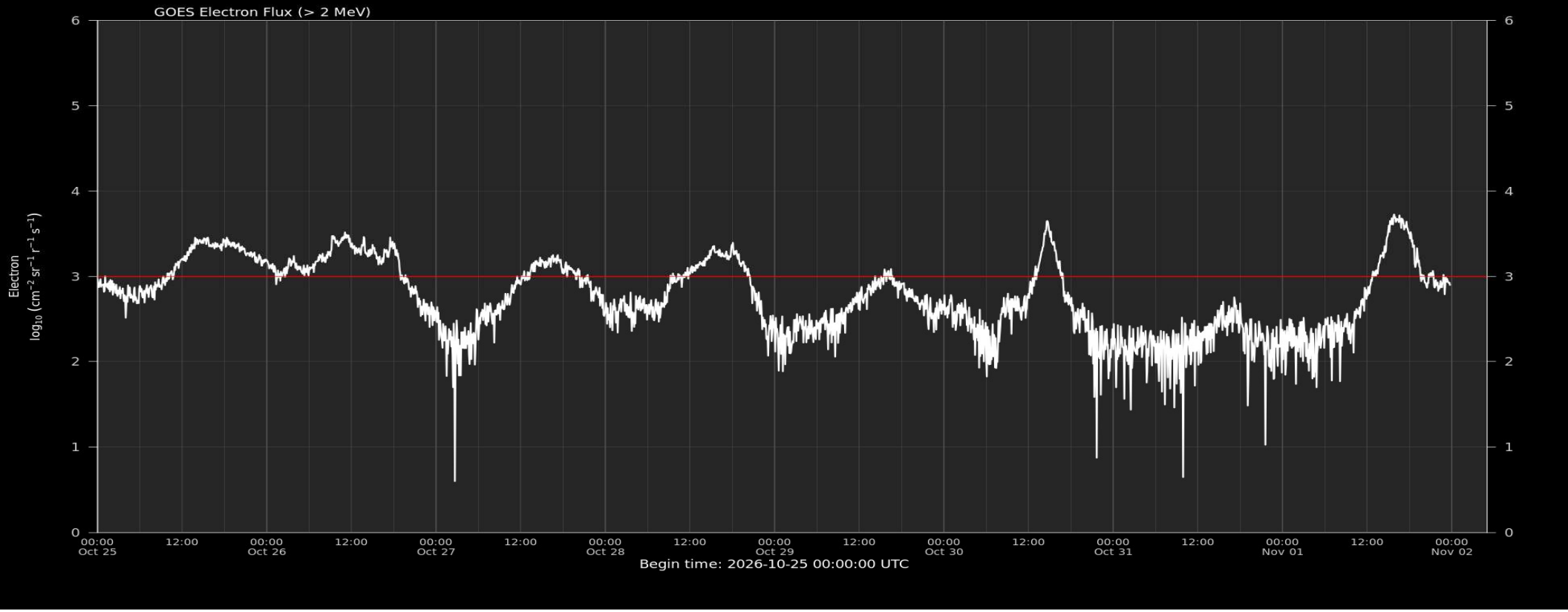
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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

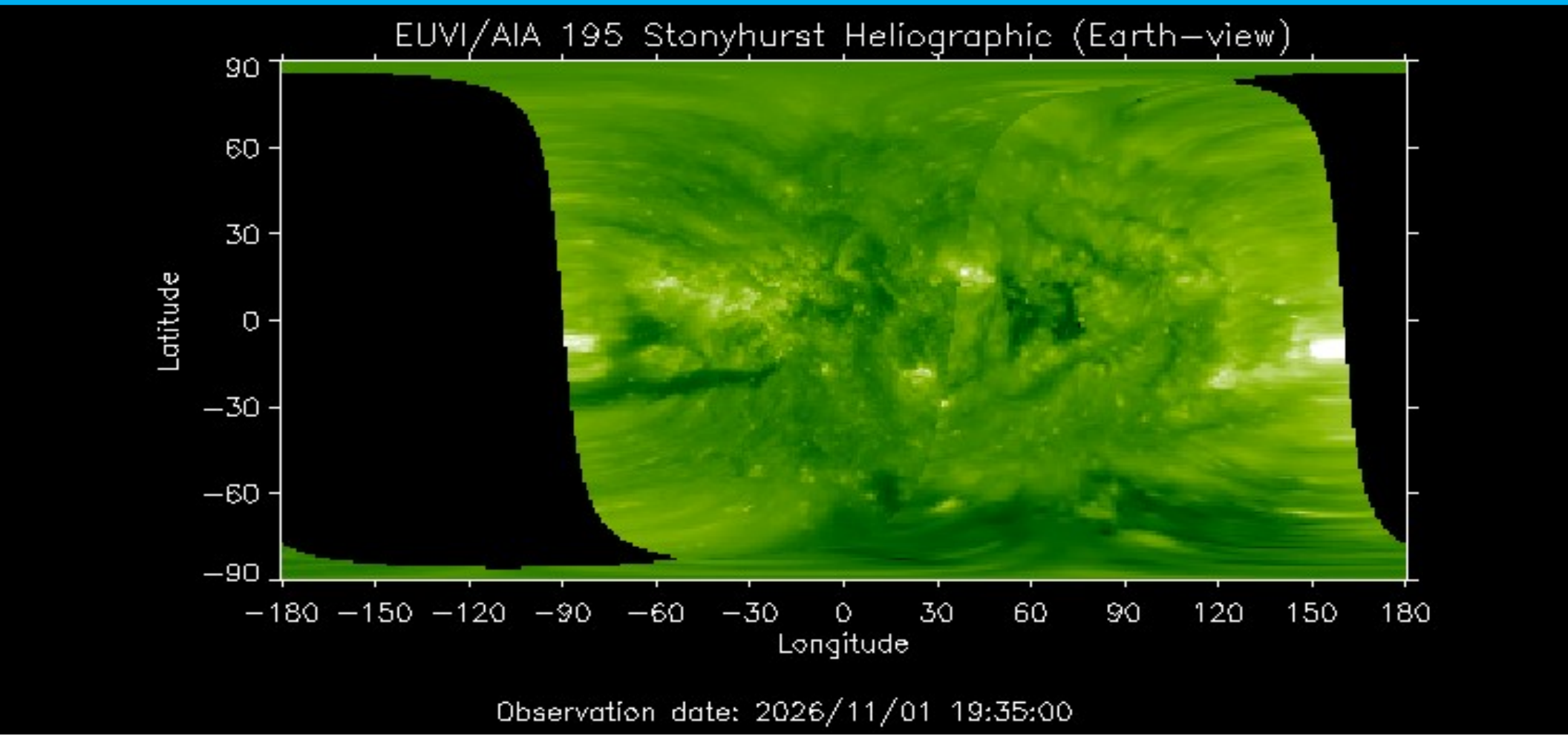


Outlook

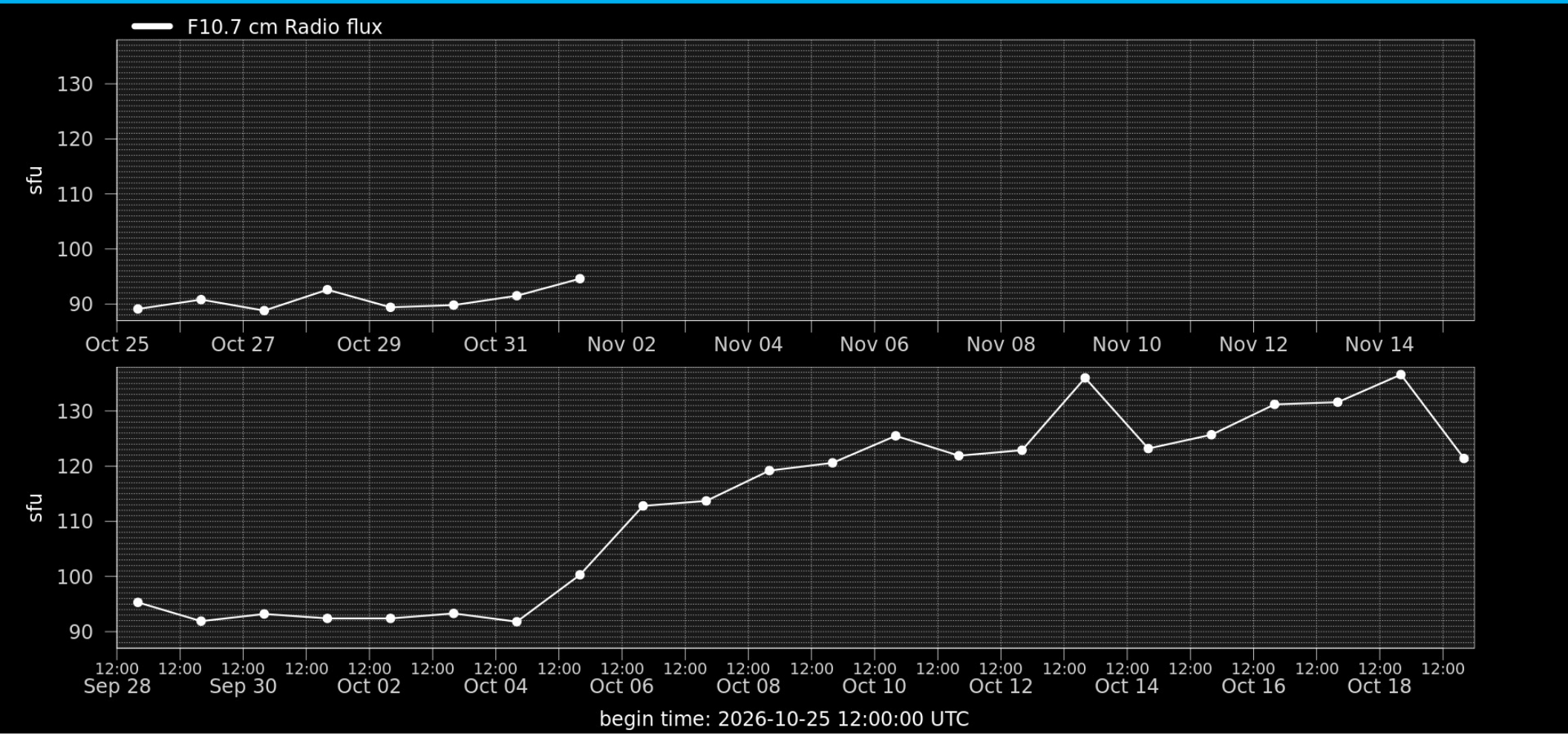
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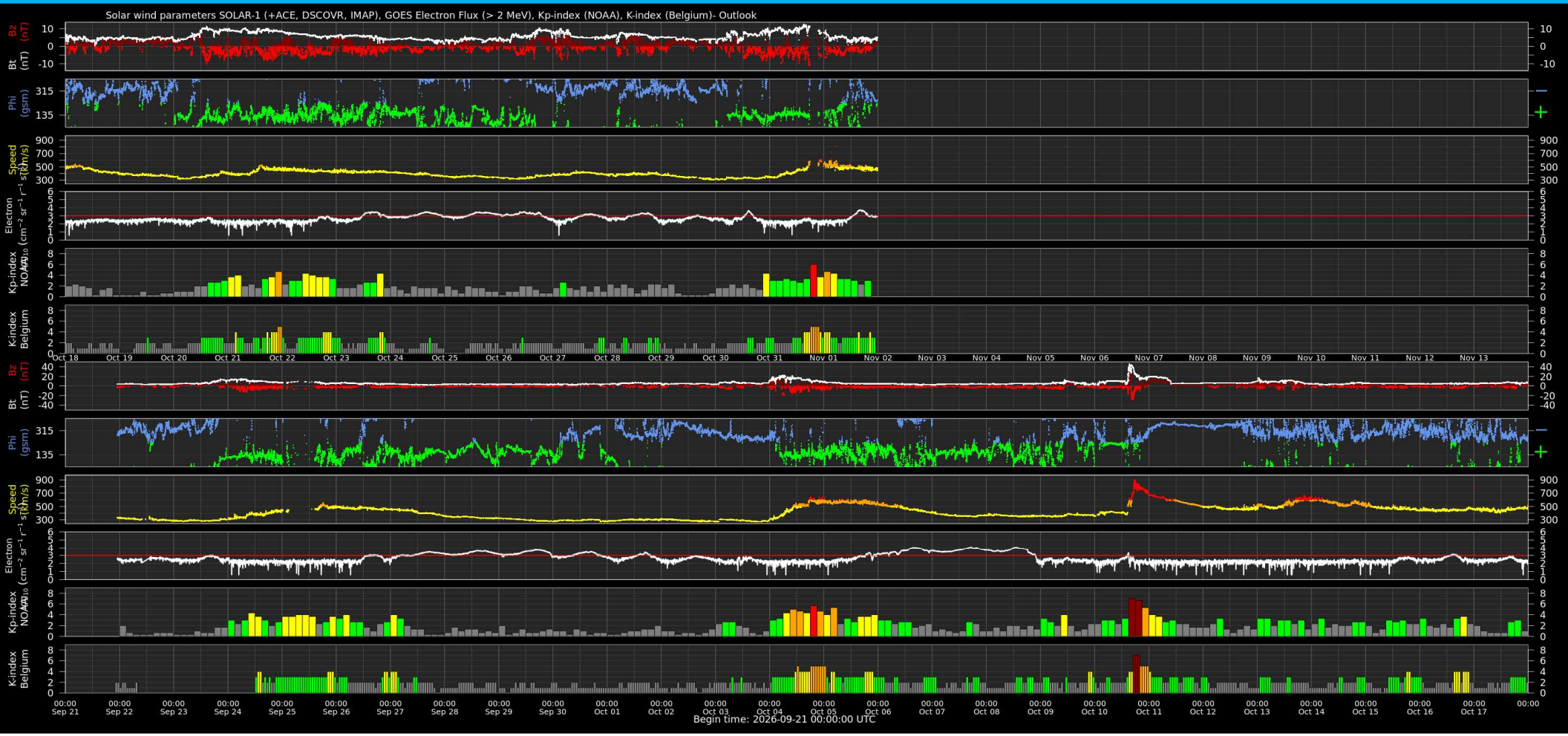
Outlook: Solar activity



Outlook: Solar F10.7cm radio flux



Outlook: Electron Flux at GEO Outlook



PECASUS



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Pecasus related events

Operational Data Centre since 27 Oct

Advisories sent to aviation:

2 GNSS (1st severe, 2nd end of event)

6 PSD (5 moderate, 1 end of event)

SIDC Space Weather Briefing

See you at our next briefing!

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