SIDC Space Weather Briefing

10 August 2026-16 August 2026

Katsiyannis Thanassis

& the SIDC forecaster team

Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-08-10 00:00 to 2026-08-16 23:59

Active regions	SIDC SG 936 (NOAA AR 4503), 938 (4505), 939 (4506), 940(4507), 941 (4508)
Flares	# C-class flare: 26 # M-class flare: 0 # X-class flare: 0 (C8 16/8 19:28 UTC, 939/4506)
Coronal Holes	10/8 SIDC CH 174 (+), 16/8 SIDC CH 149 (-)
CMEs	SIDC CME 707, partial halo, 14/8 -> 19/8; 16/8 19:48 UTC-> ?

Proton flux	Background levels
Electron flux	Below the 1000 pfu threshold

Solar wind and geomagnetic conditions

ICMEs	Glancing blow 11/8
Solar wind conditions	|B|: 1 - 10 nT// Bz: -8 nT to 7 nT// Speed: 290 - 460 km/s
Geomagnetic conditions	max KBel: 4.0, max Kp(NOAA): 3.33, Active conditions

All Quiet Alert: Not quiet

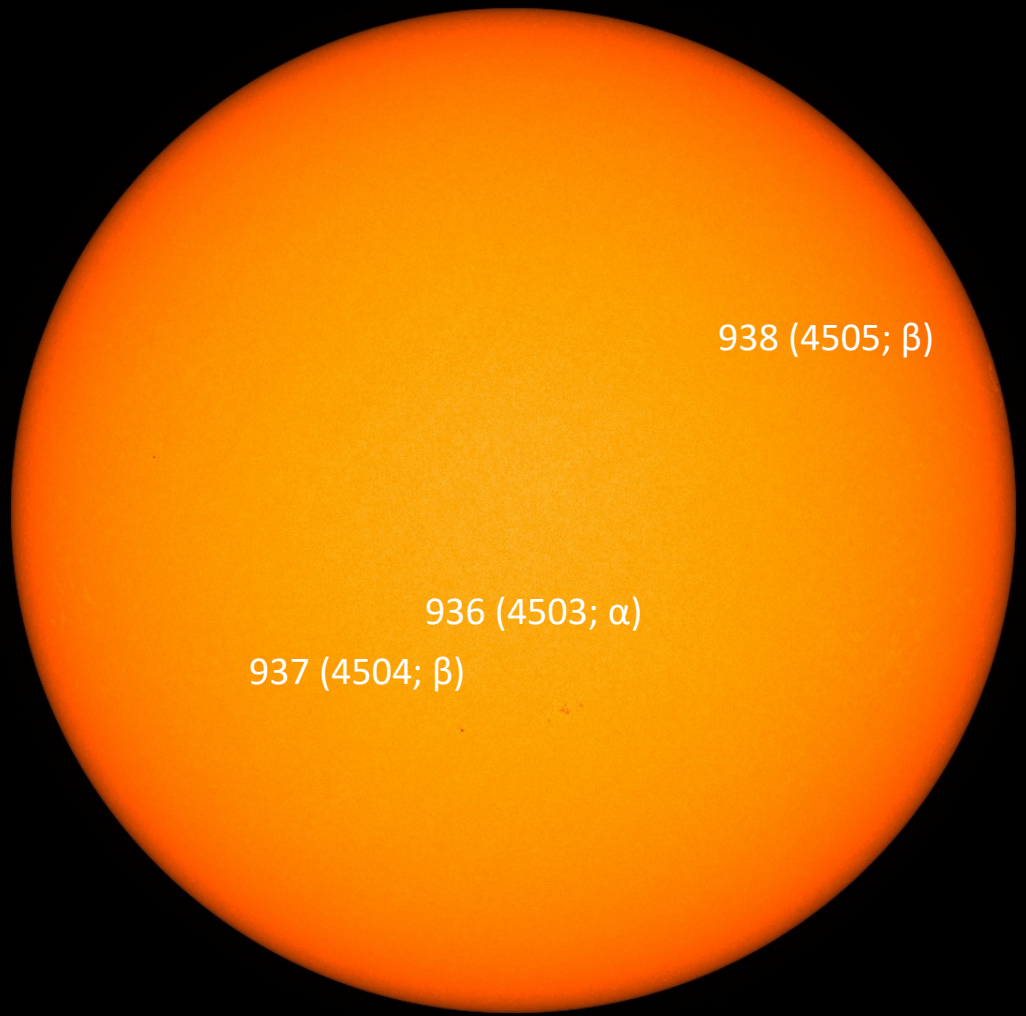
Solar Activity

Royal Observatory
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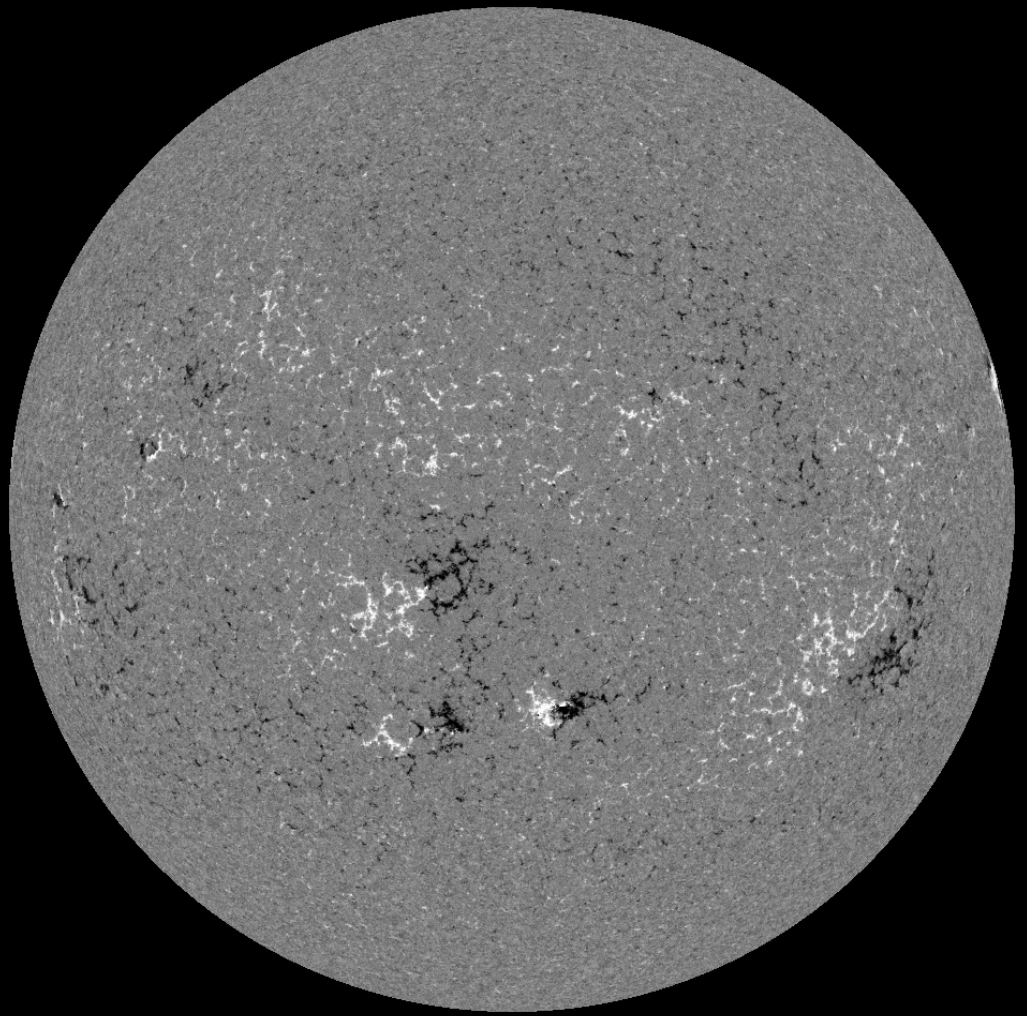
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Data analysis Centre
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Solar active regions

SDO/HMI White Light 2026-08-10

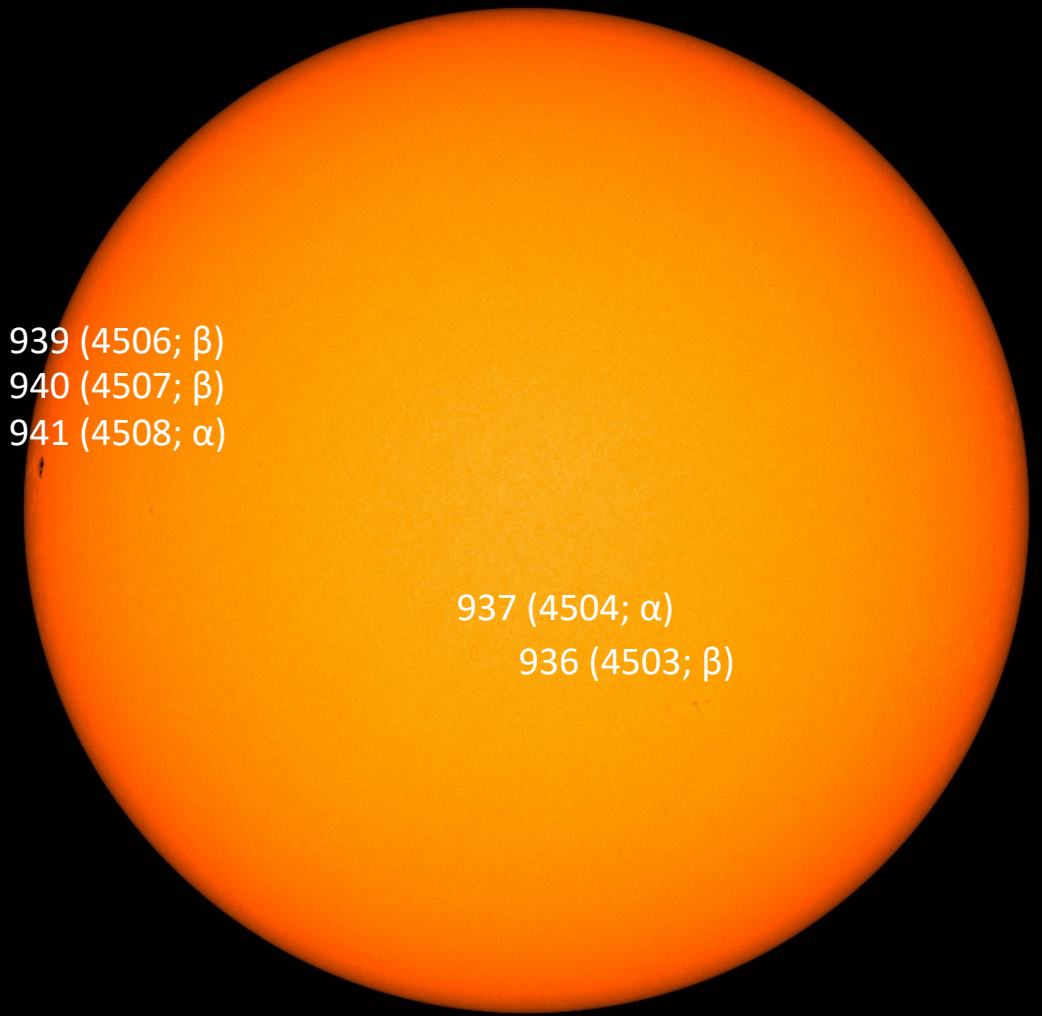


SDO/HMI Magnetogram 2026-08-10

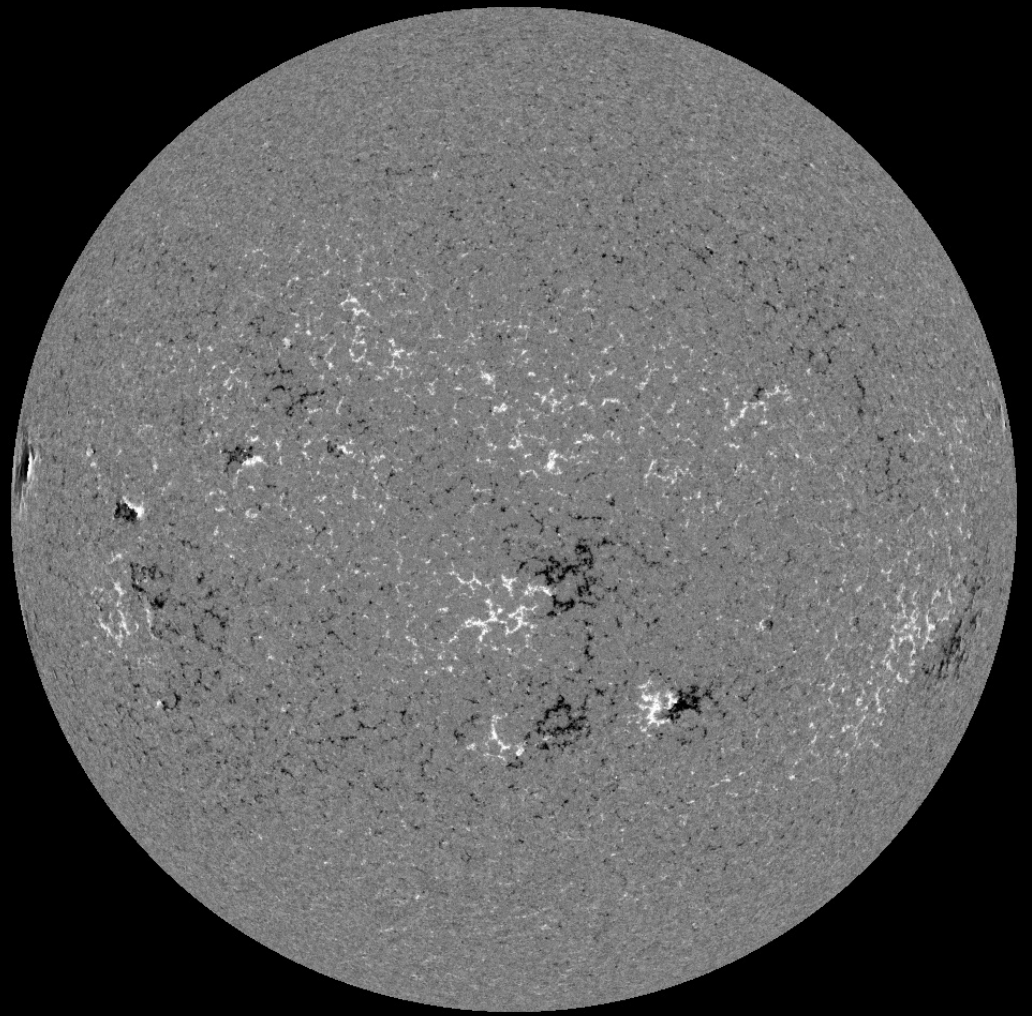


Solar active regions

SDO/HMI White Light 2026-08-11

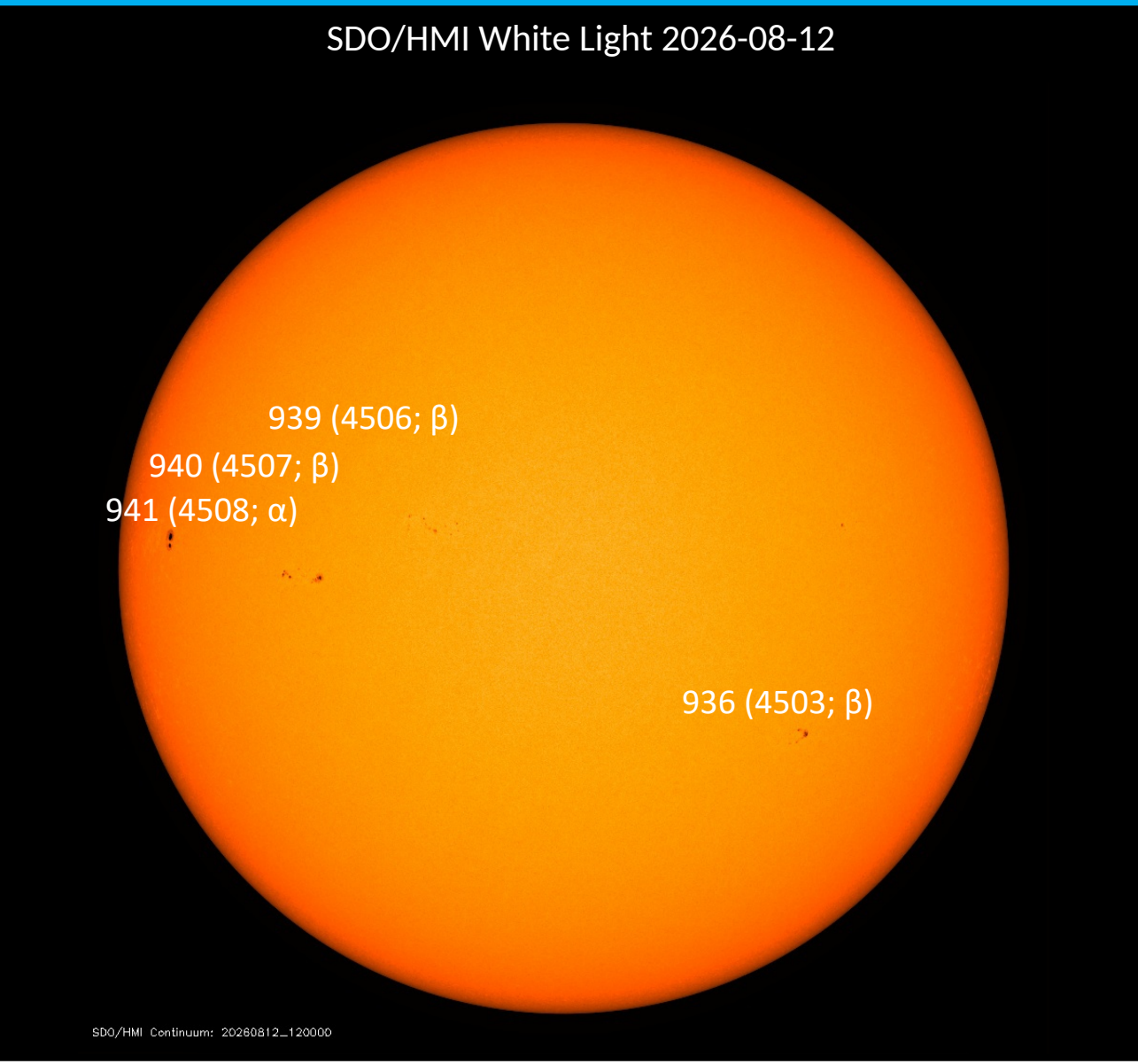


SDO/HMI Magnetogram 2026-08-11

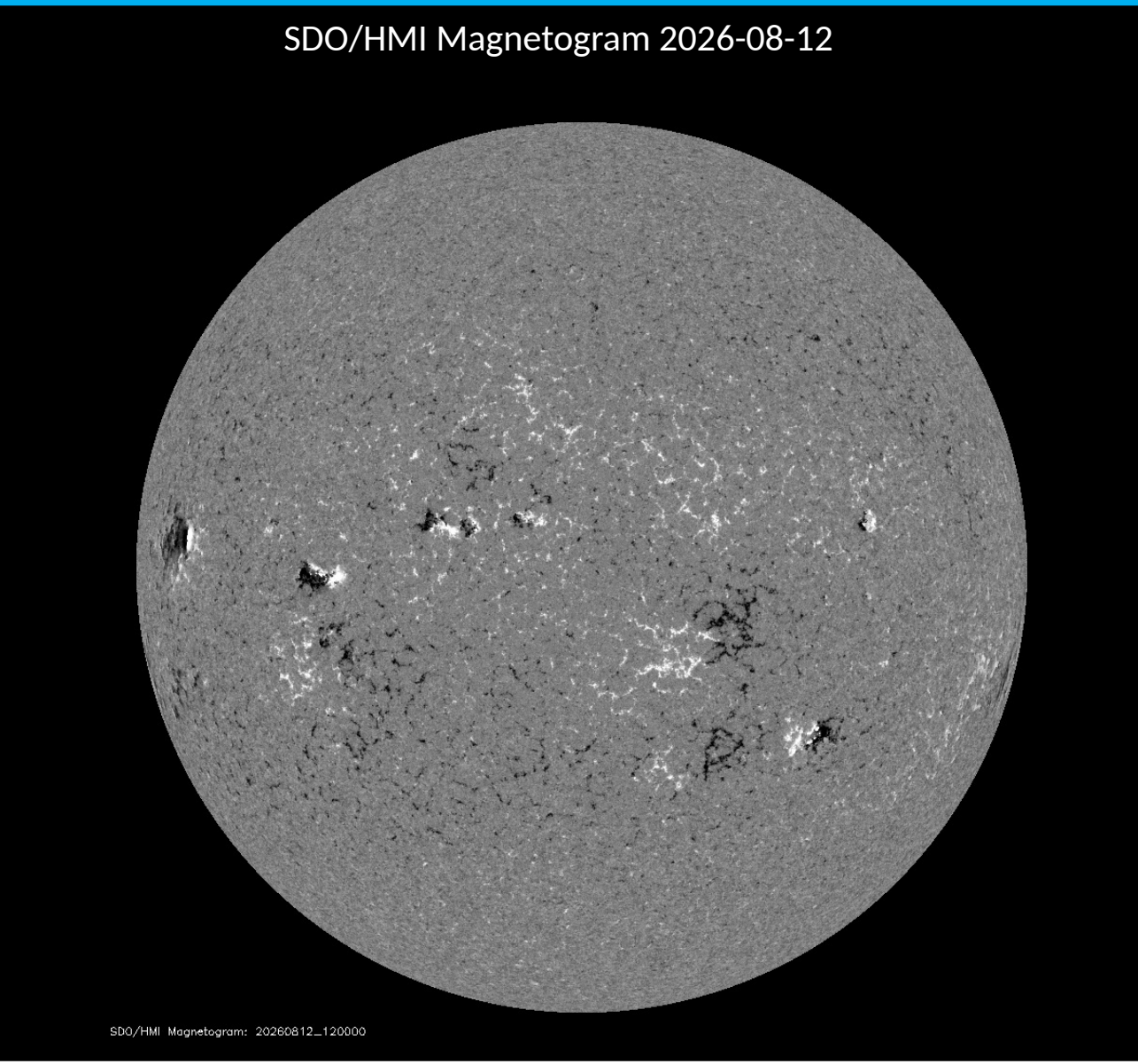


Solar active regions

SDO/HMI White Light 2026-08-12

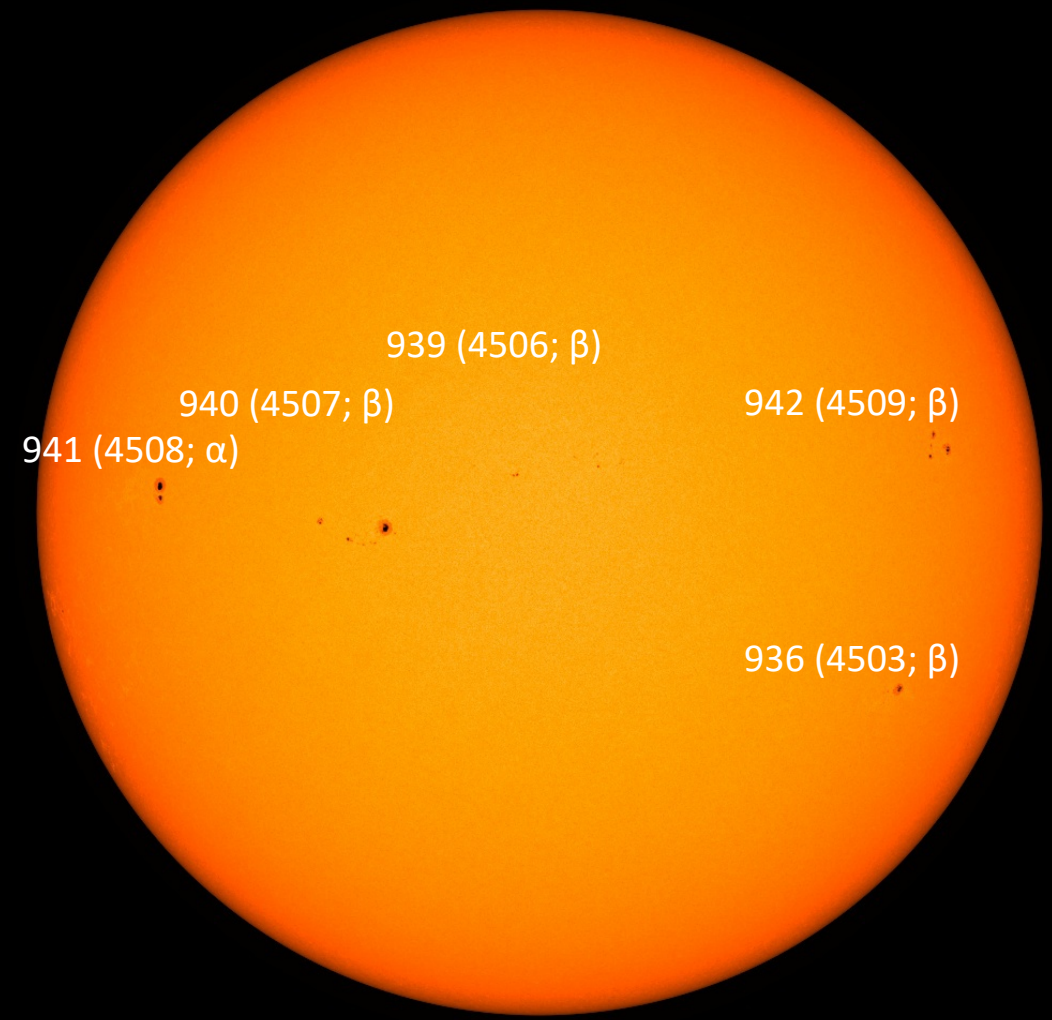


SDO/HMI Magnetogram 2026-08-12

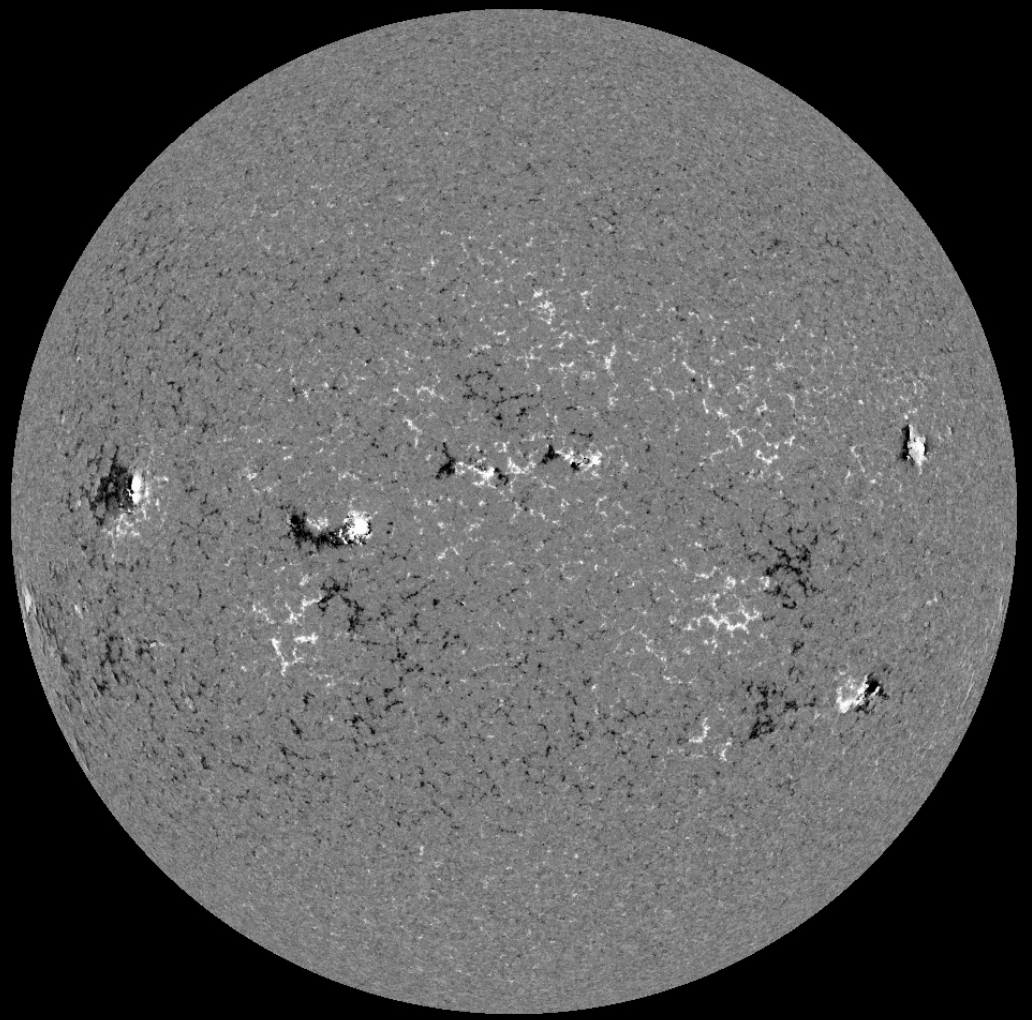


Solar active regions

SDO/HMI White Light 2026-08-13

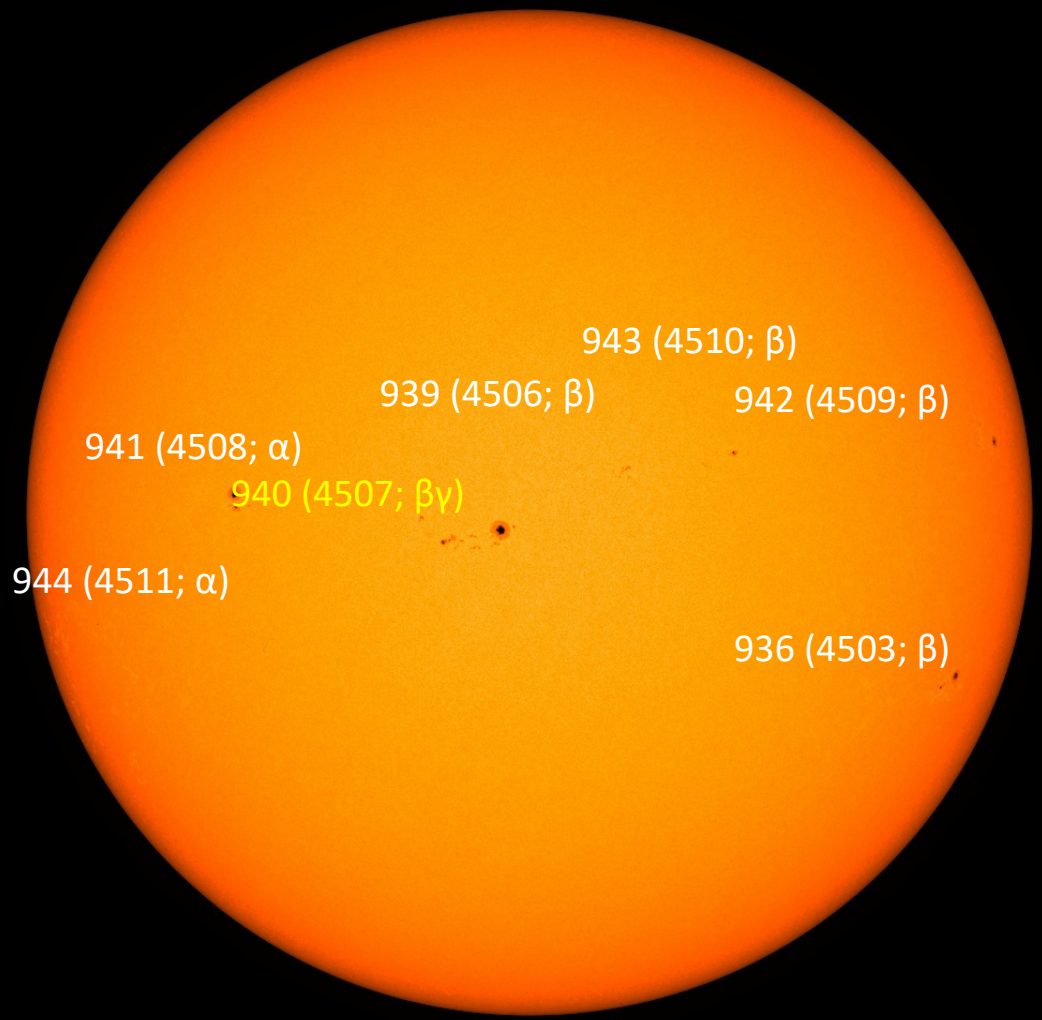


SDO/HMI Magnetogram 2026-08-13

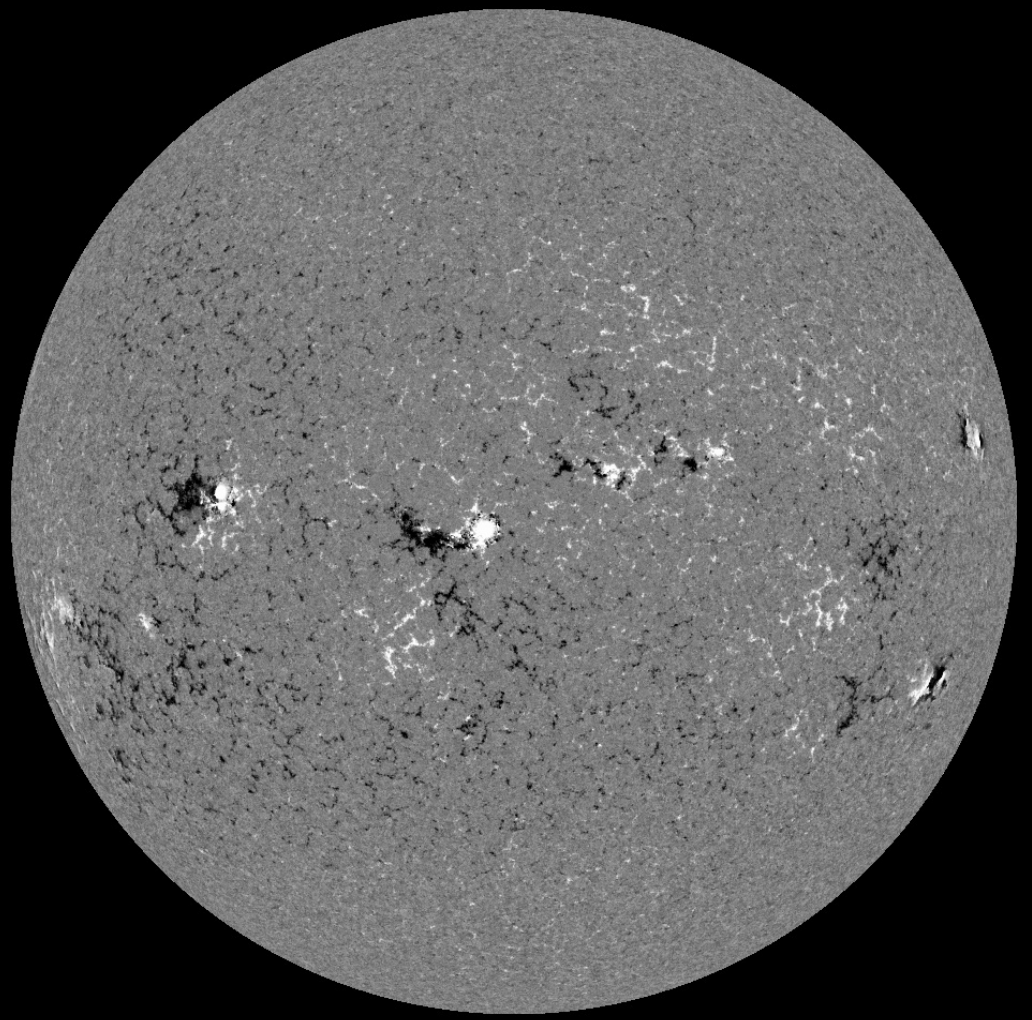


Solar active regions

SDO/HMI White Light 2026-08-14

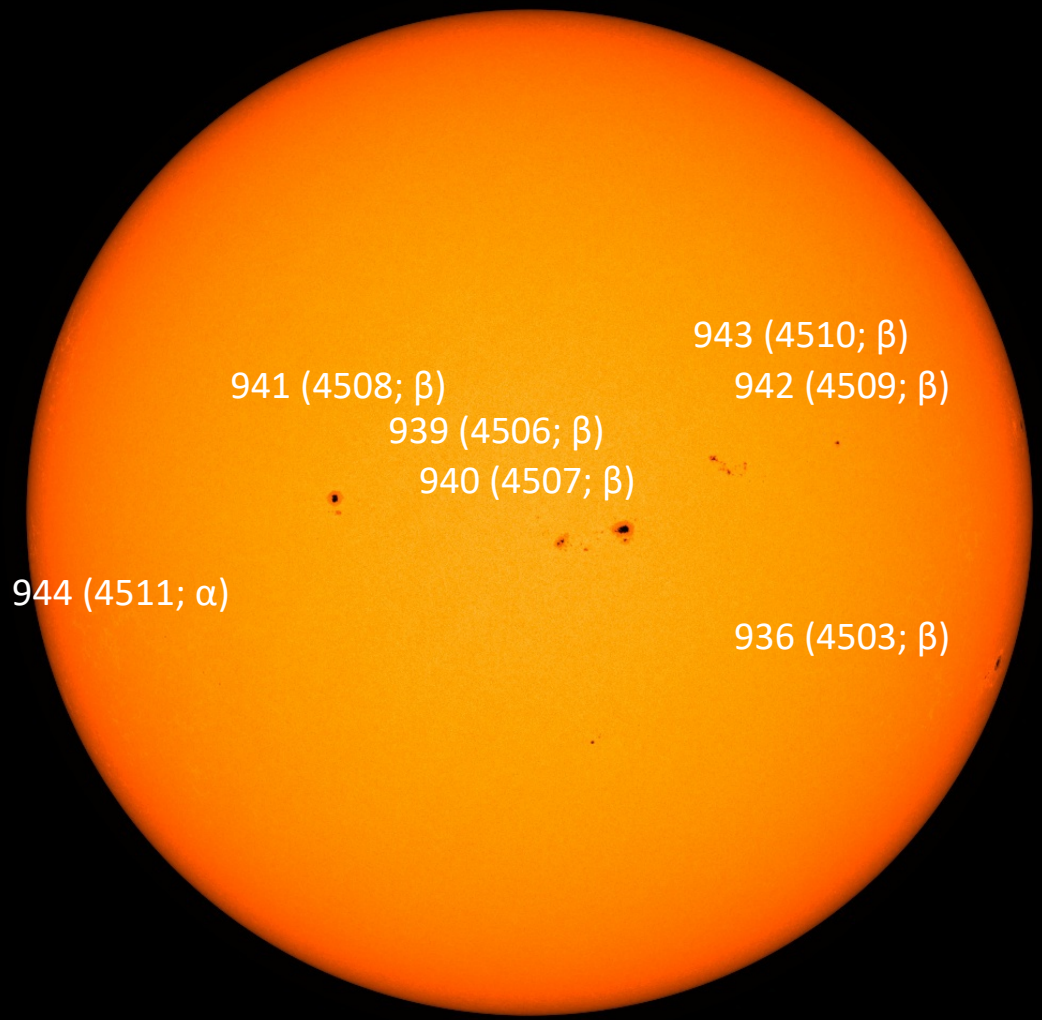


SDO/HMI Magnetogram 2026-08-14

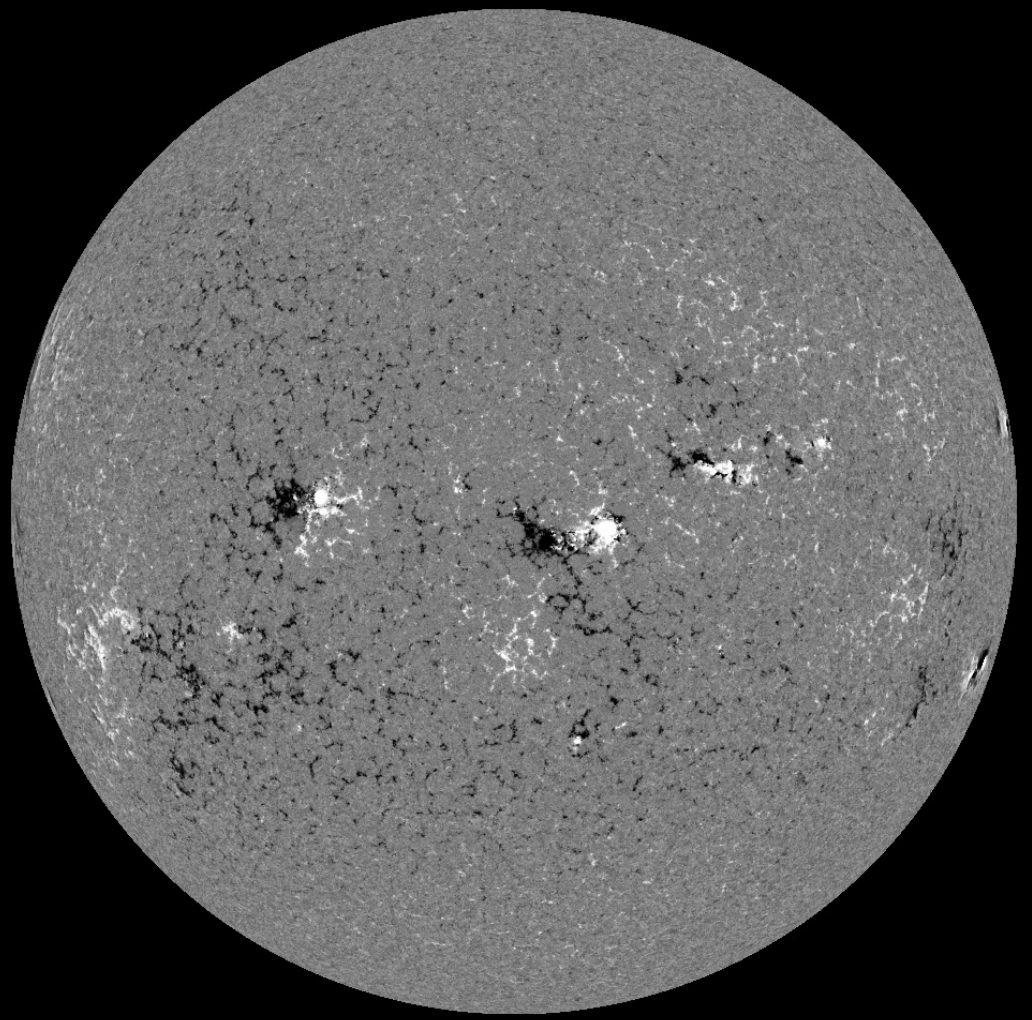


Solar active regions

SDO/HMI White Light 2026-08-15

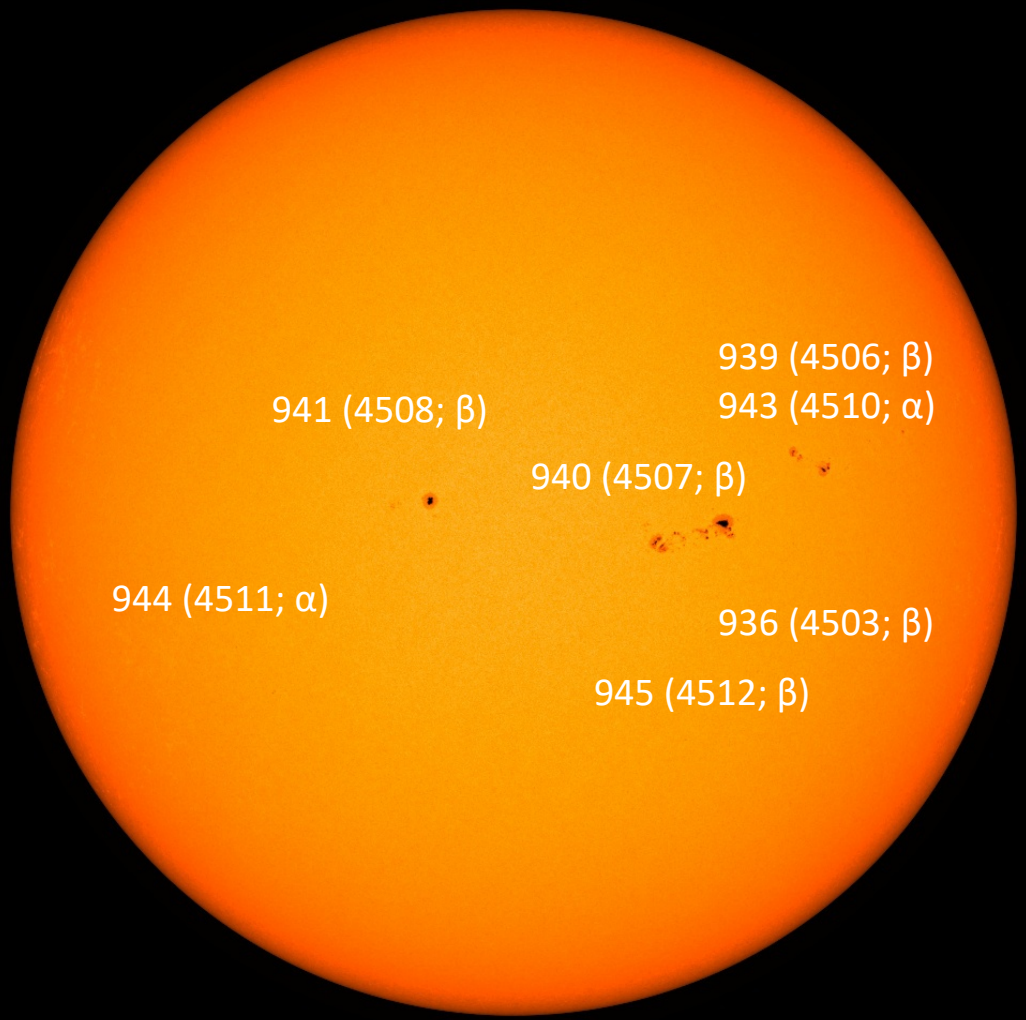


SDO/HMI Magnetogram 2026-08-15

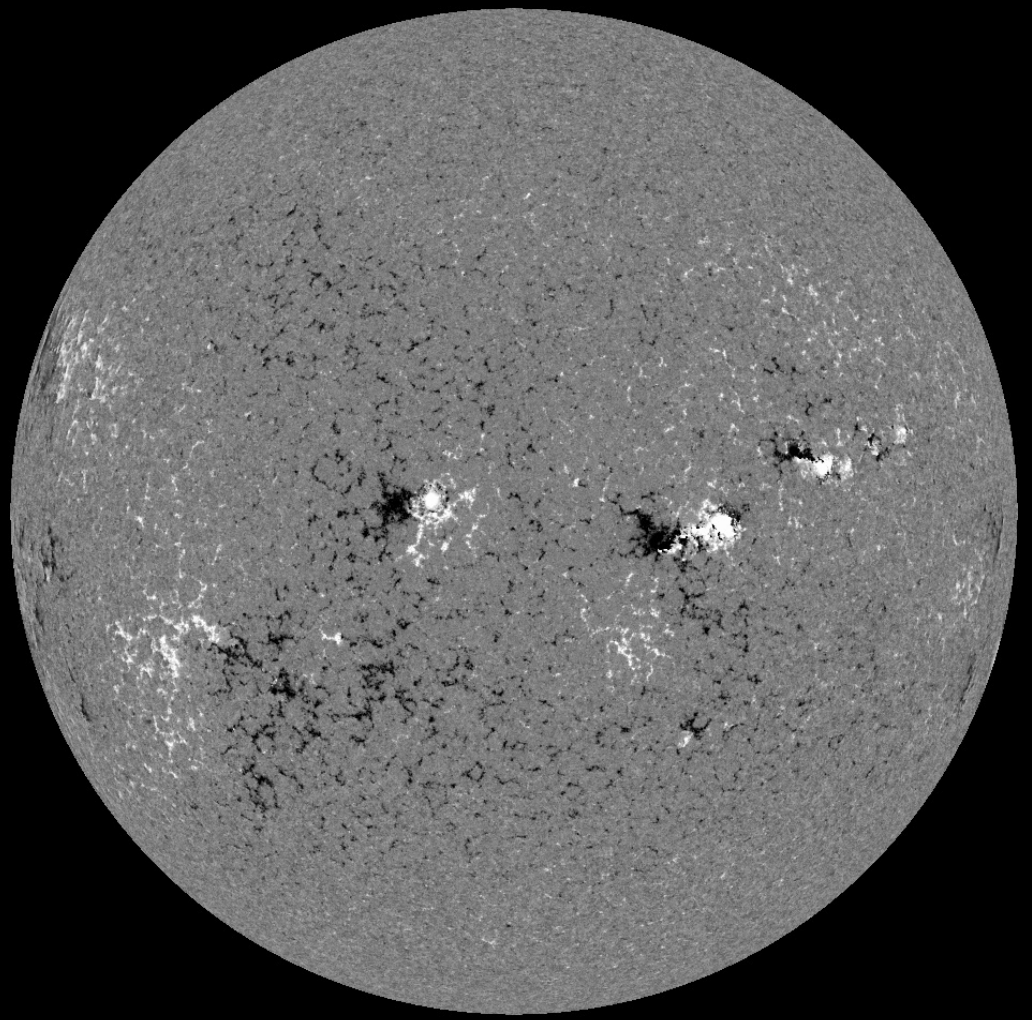


Solar active regions

SDO/HMI White Light 2026-08-16

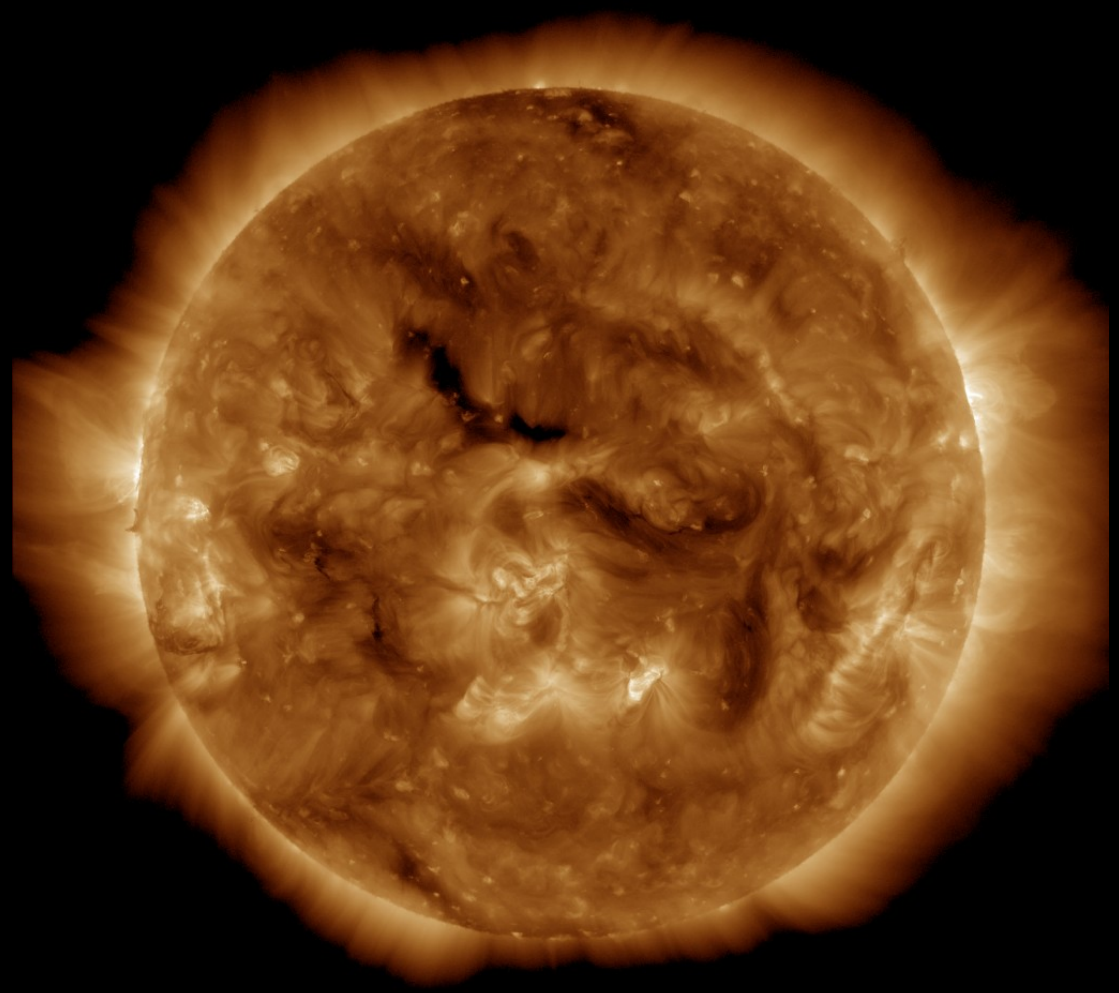


SDO/HMI Magnetogram 2026-08-16

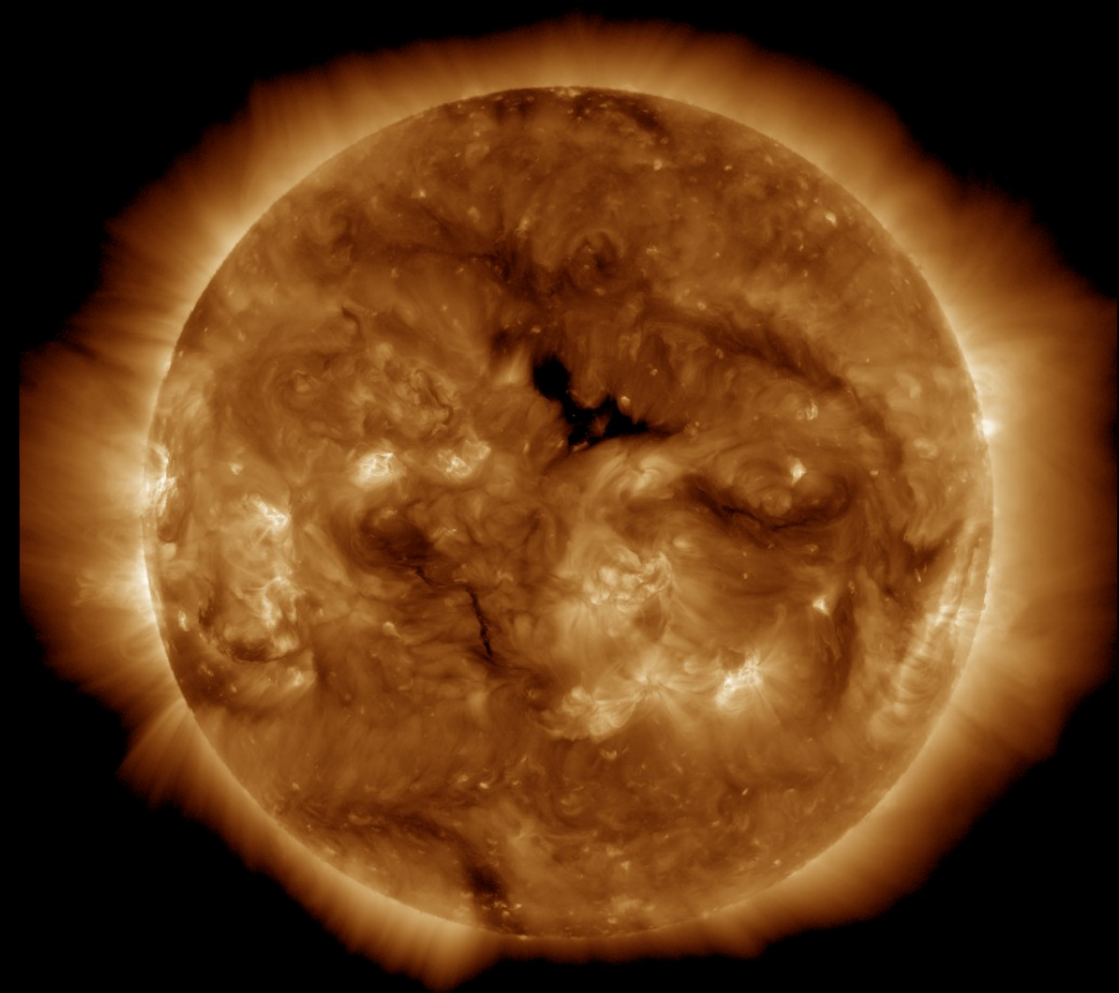


Coronal holes

SDO/AIA 19.3 nm 2026-08-10

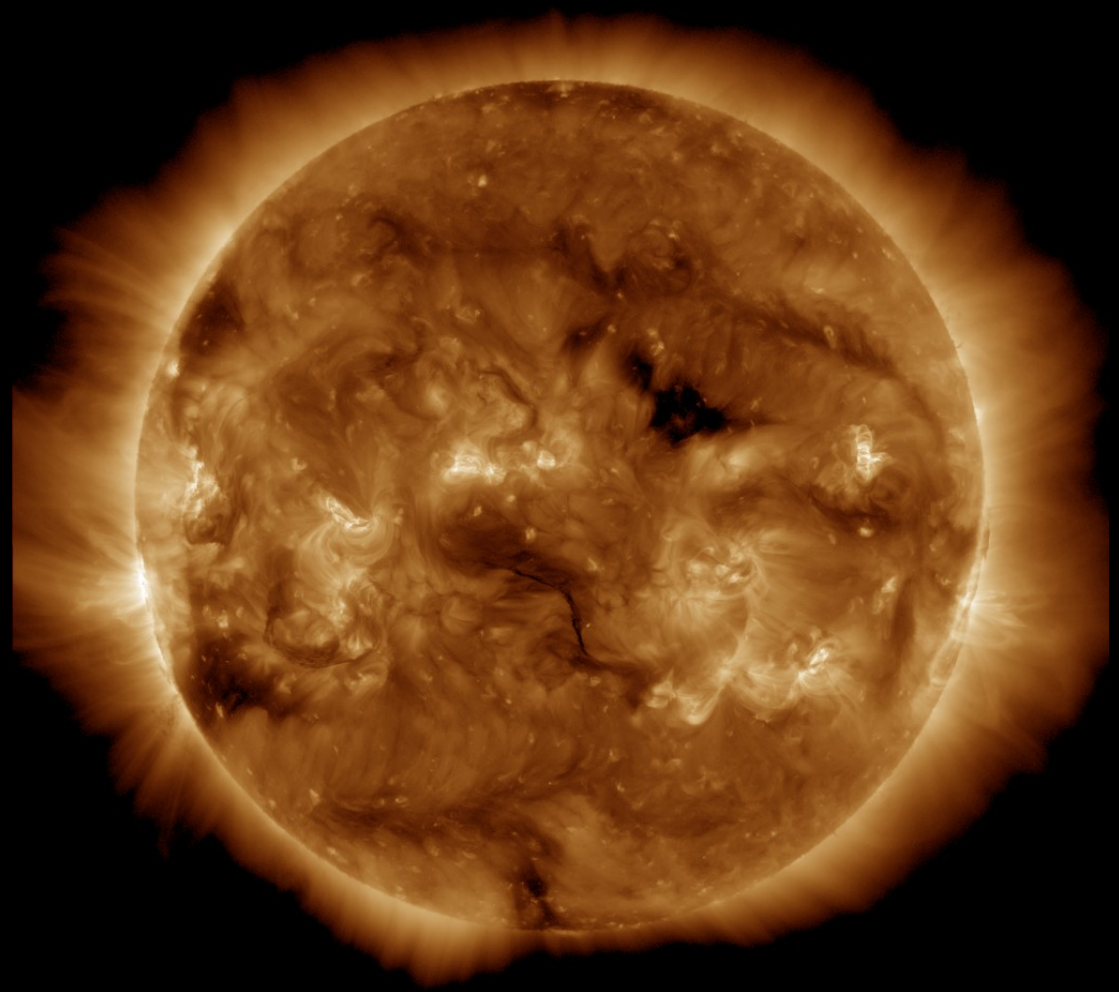


SDO/AIA 19.3 nm 2026-08-11

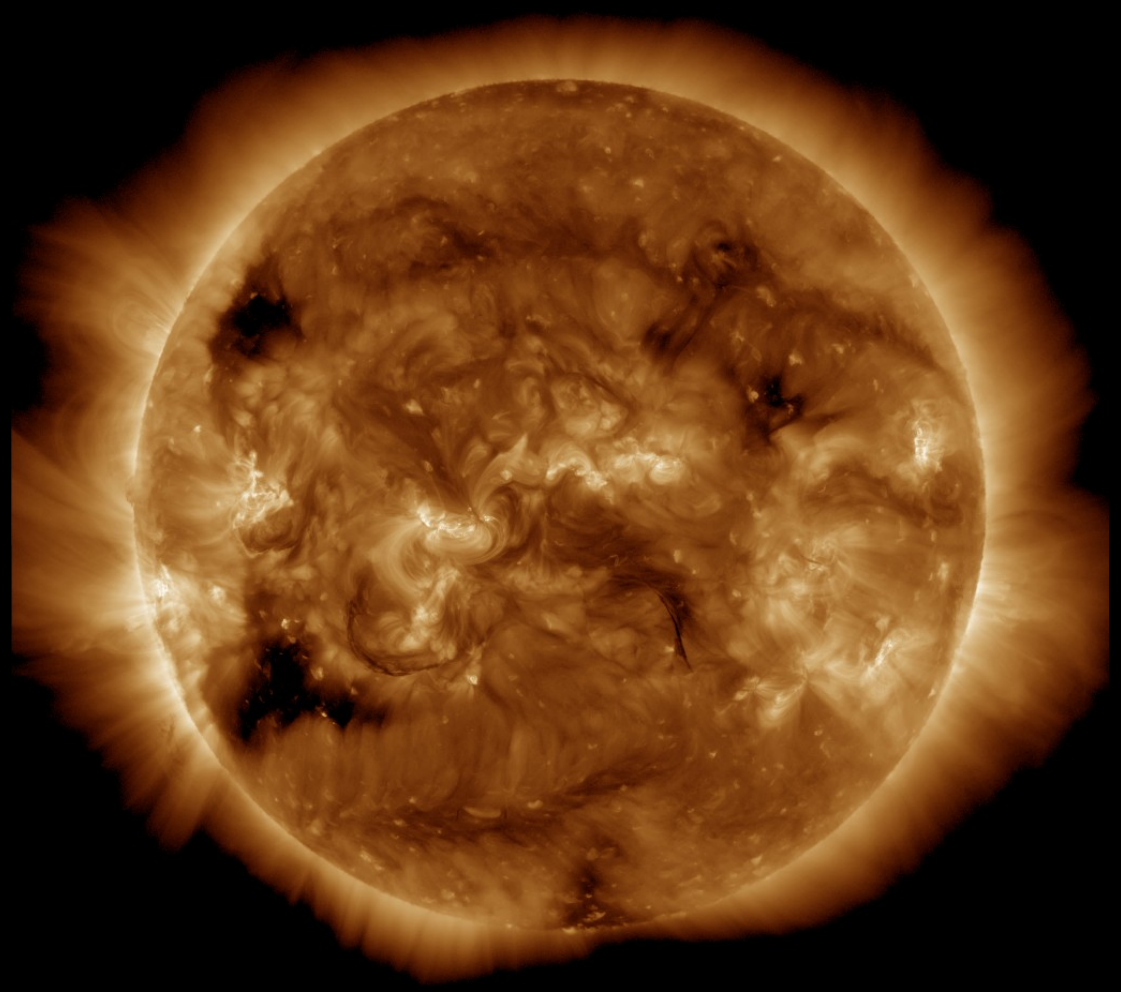


Coronal holes

SDO/AIA 19.3 nm 2026-08-12

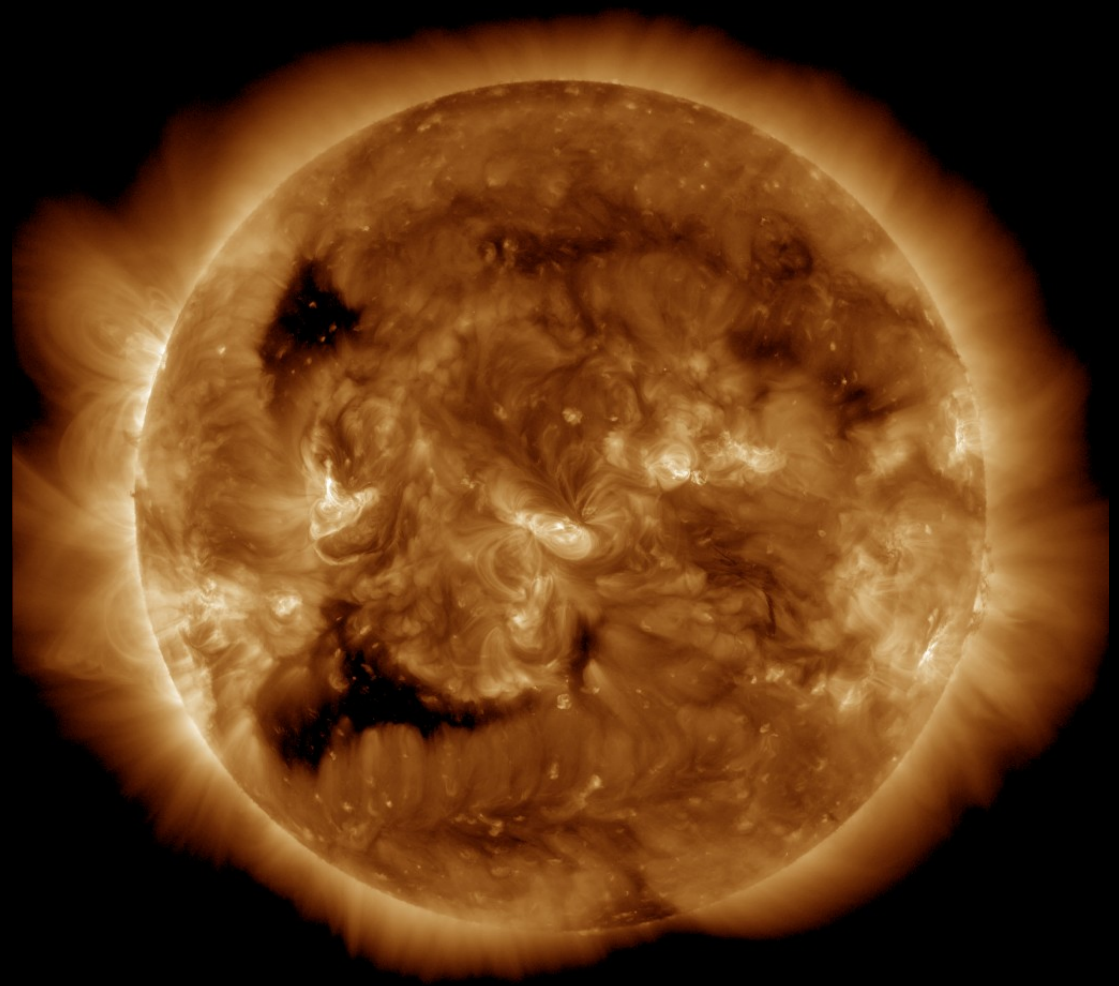


SDO/AIA 19.3 nm 2026-08-13

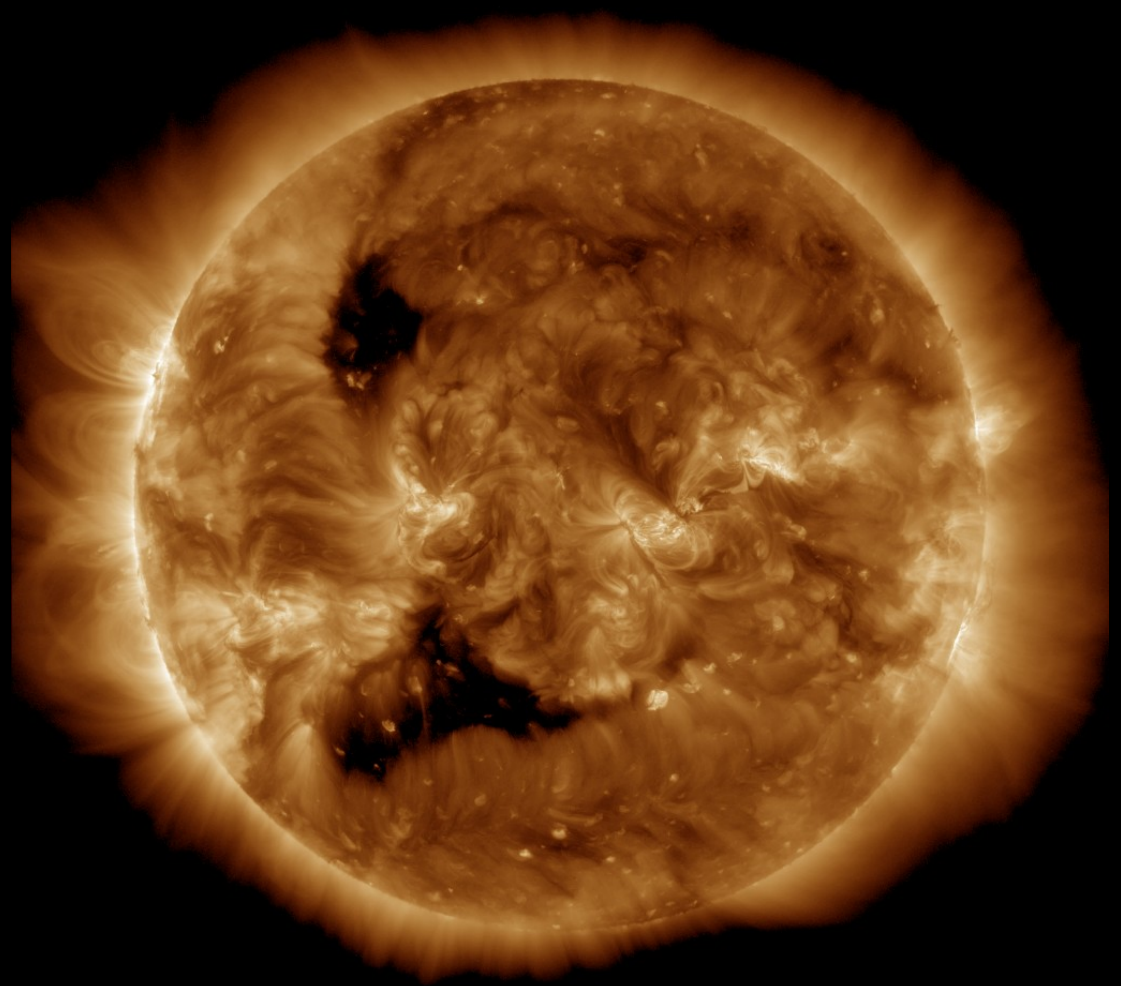


Coronal holes

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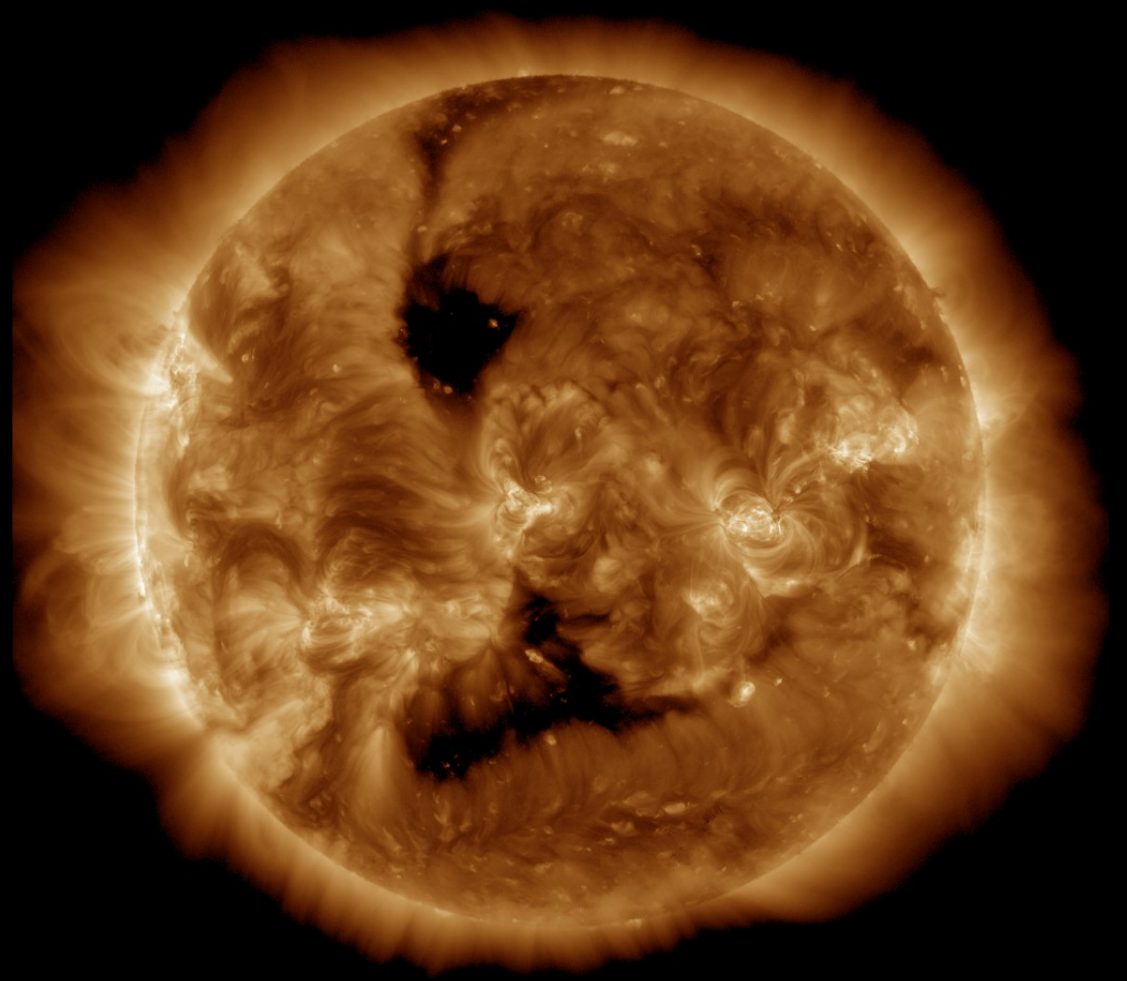


SDO/AIA 19.3 nm 2026-08-15

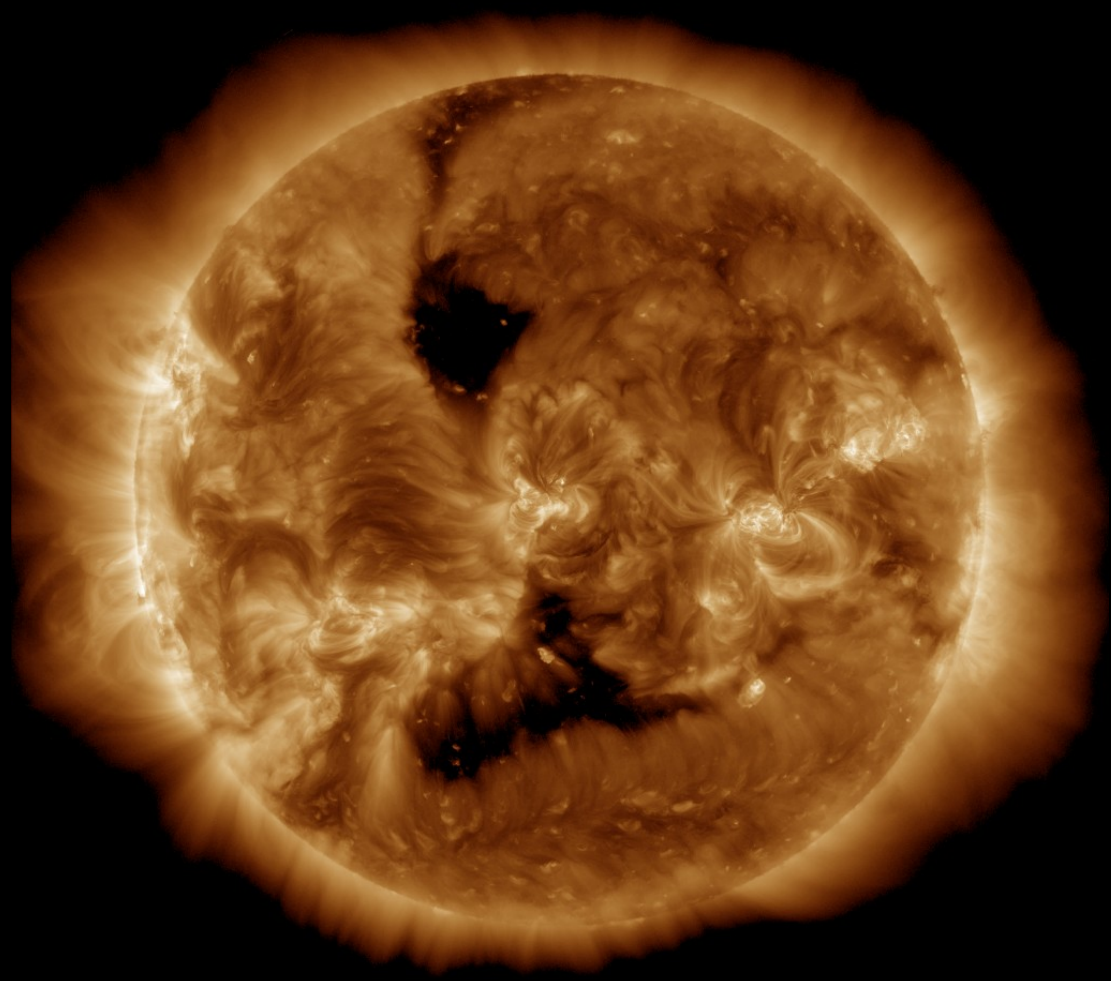


Coronal holes

SDO/AIA 19.3 nm 2026-08-16

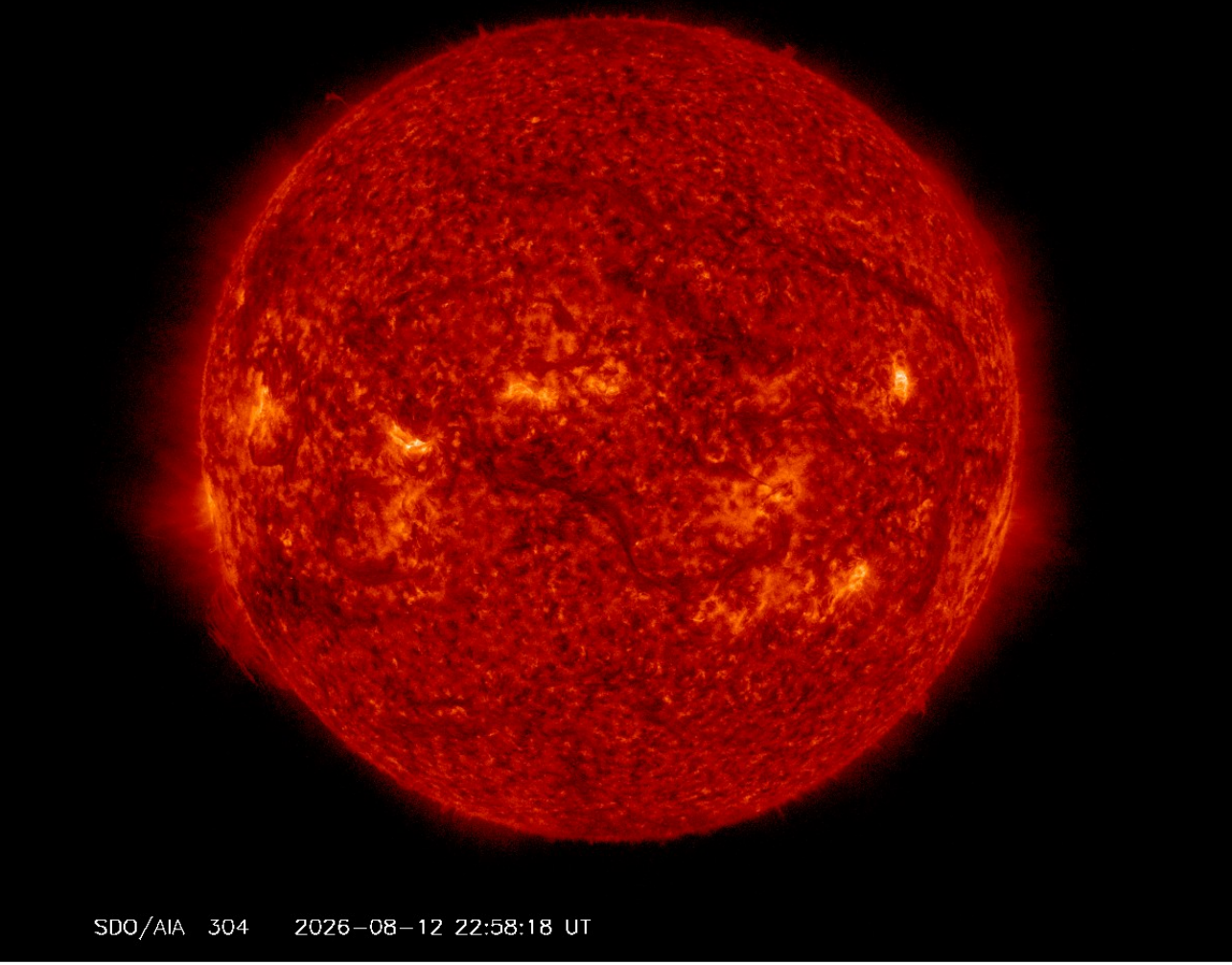


SDO/AIA 19.3 nm 2026-08-17

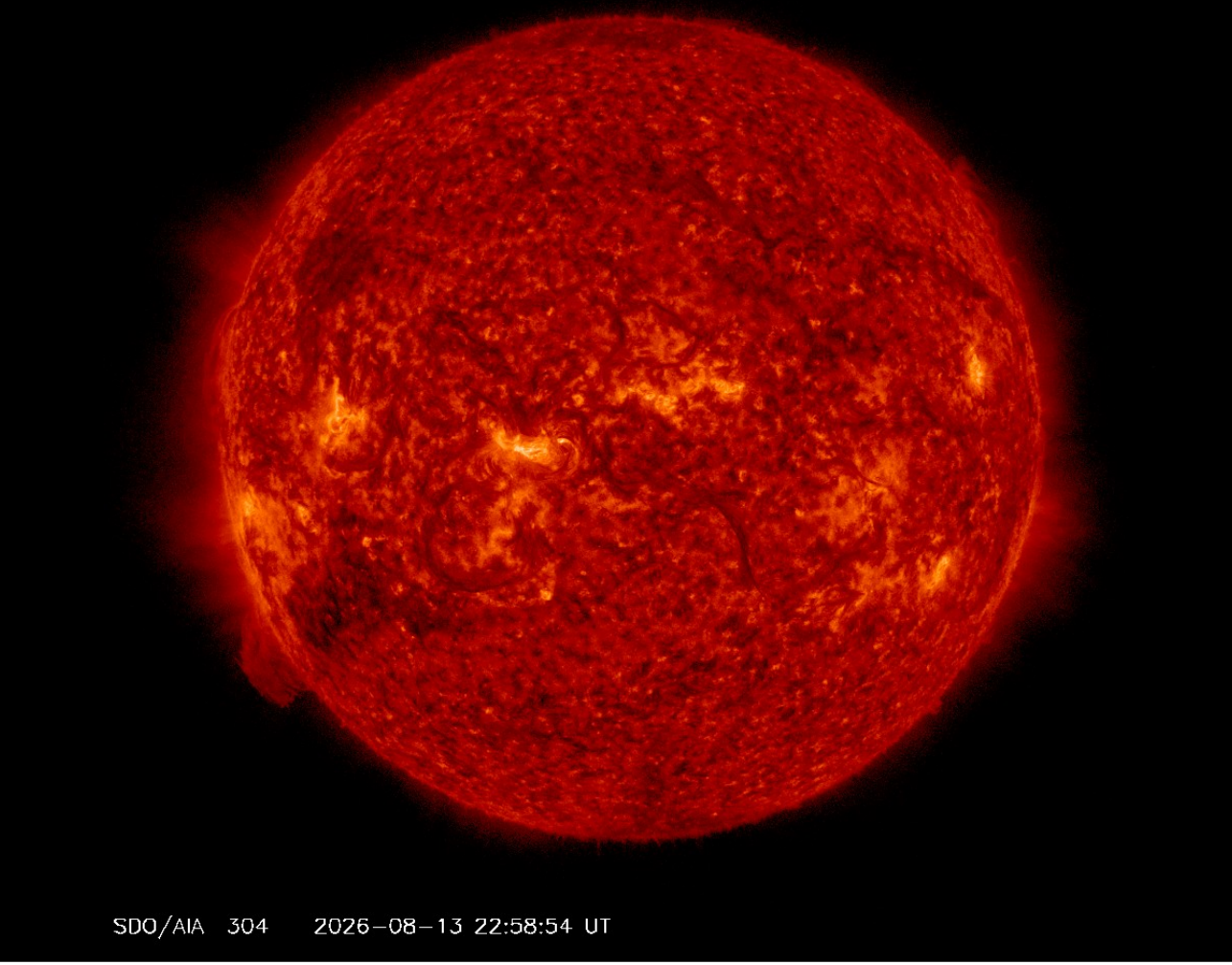


Filaments

SDO/AIA 30.4 nm 2026-08-12

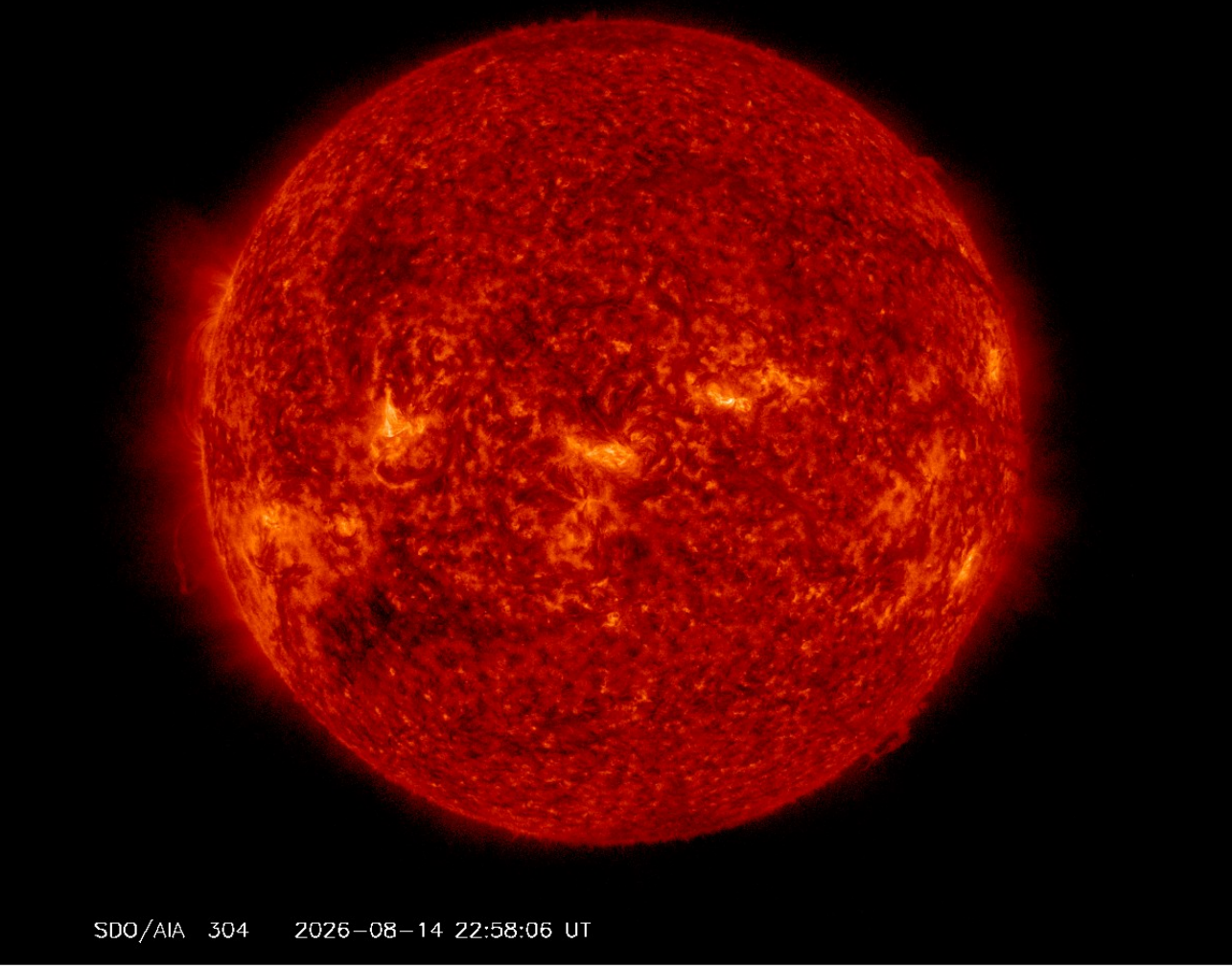


SDO/AIA 30.4 nm 2026-08-13

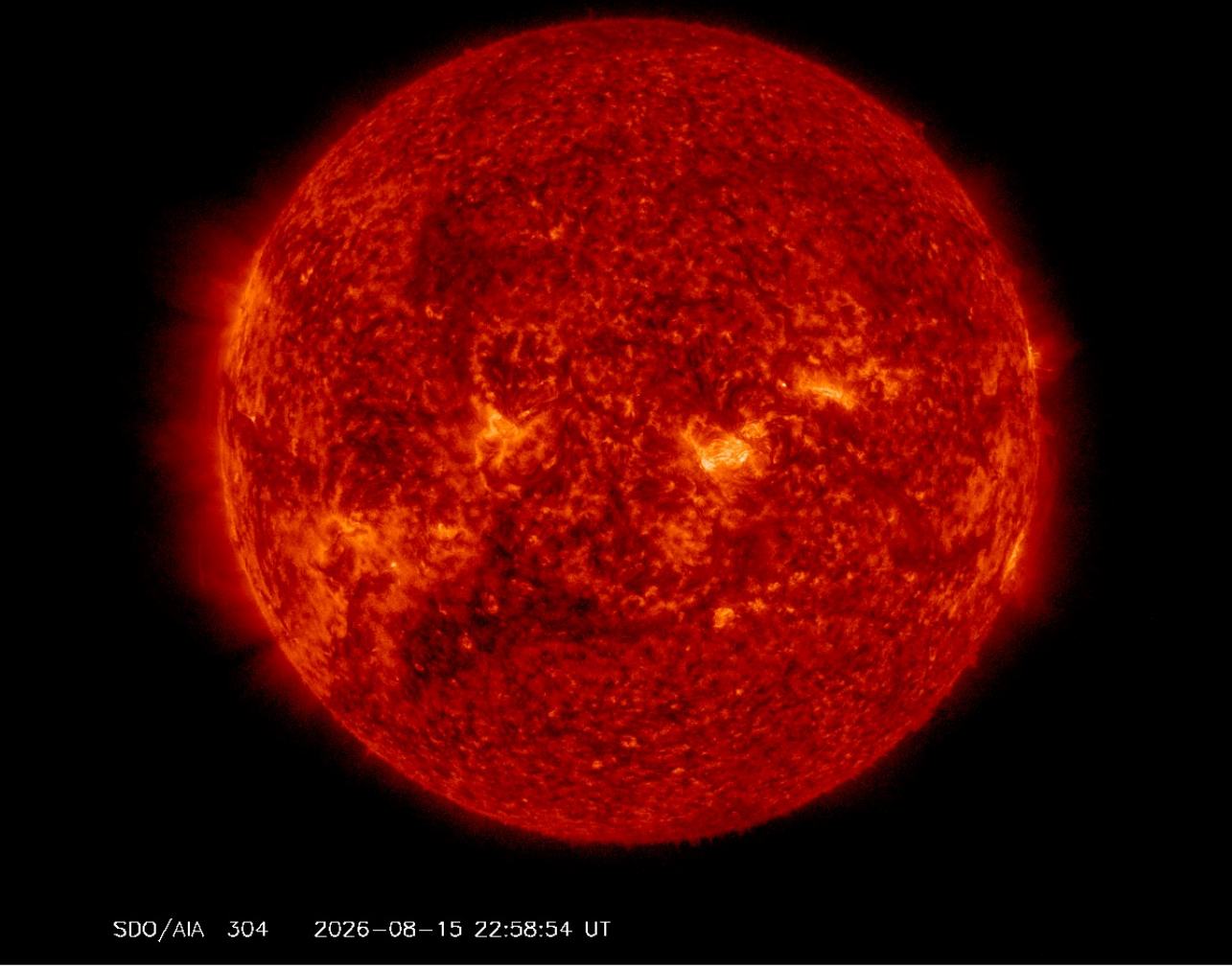


Filaments

SDO/AIA 30.4 nm 2026-08-14

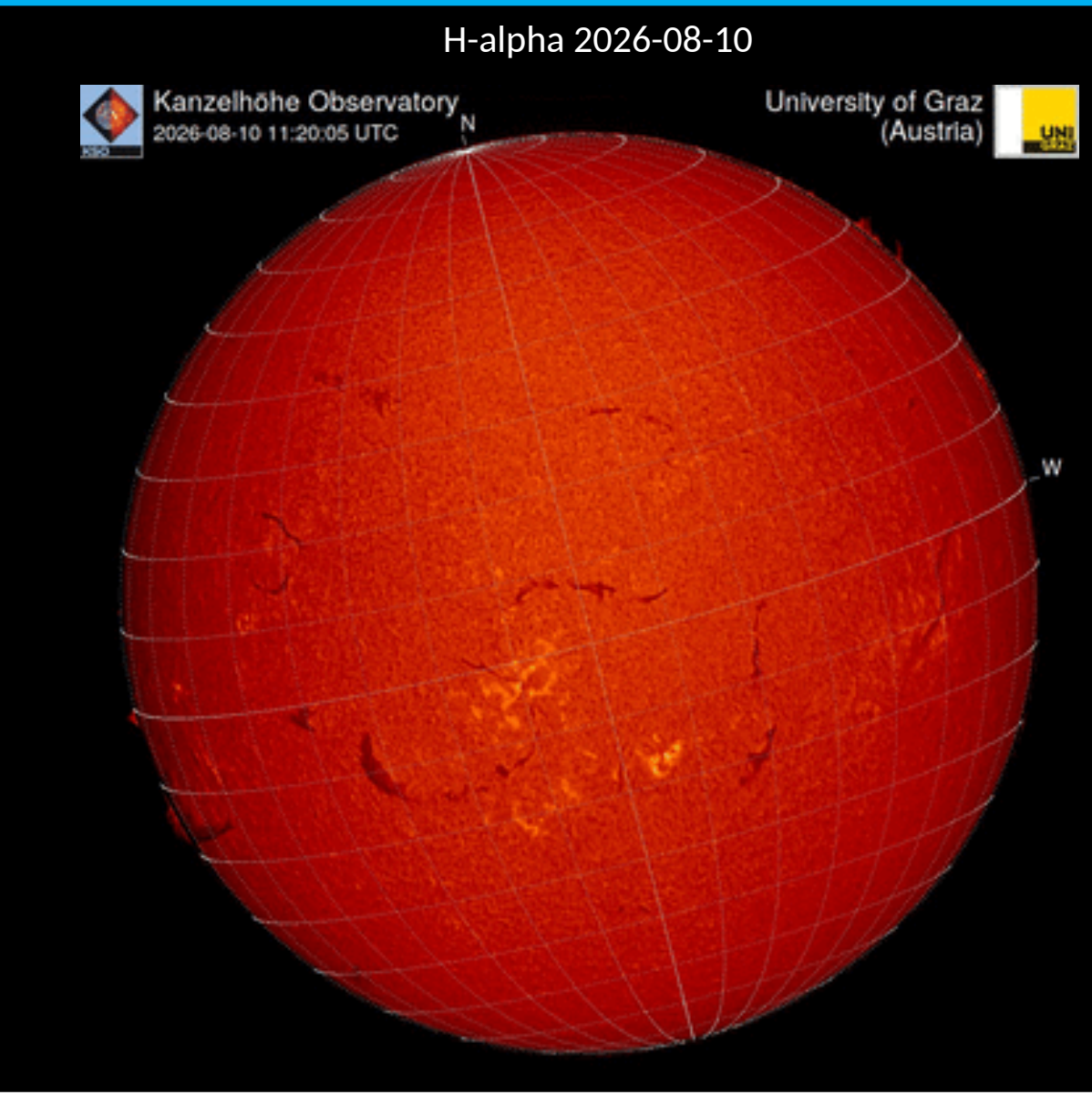


SDO/AIA 30.4 nm 2026-08-15

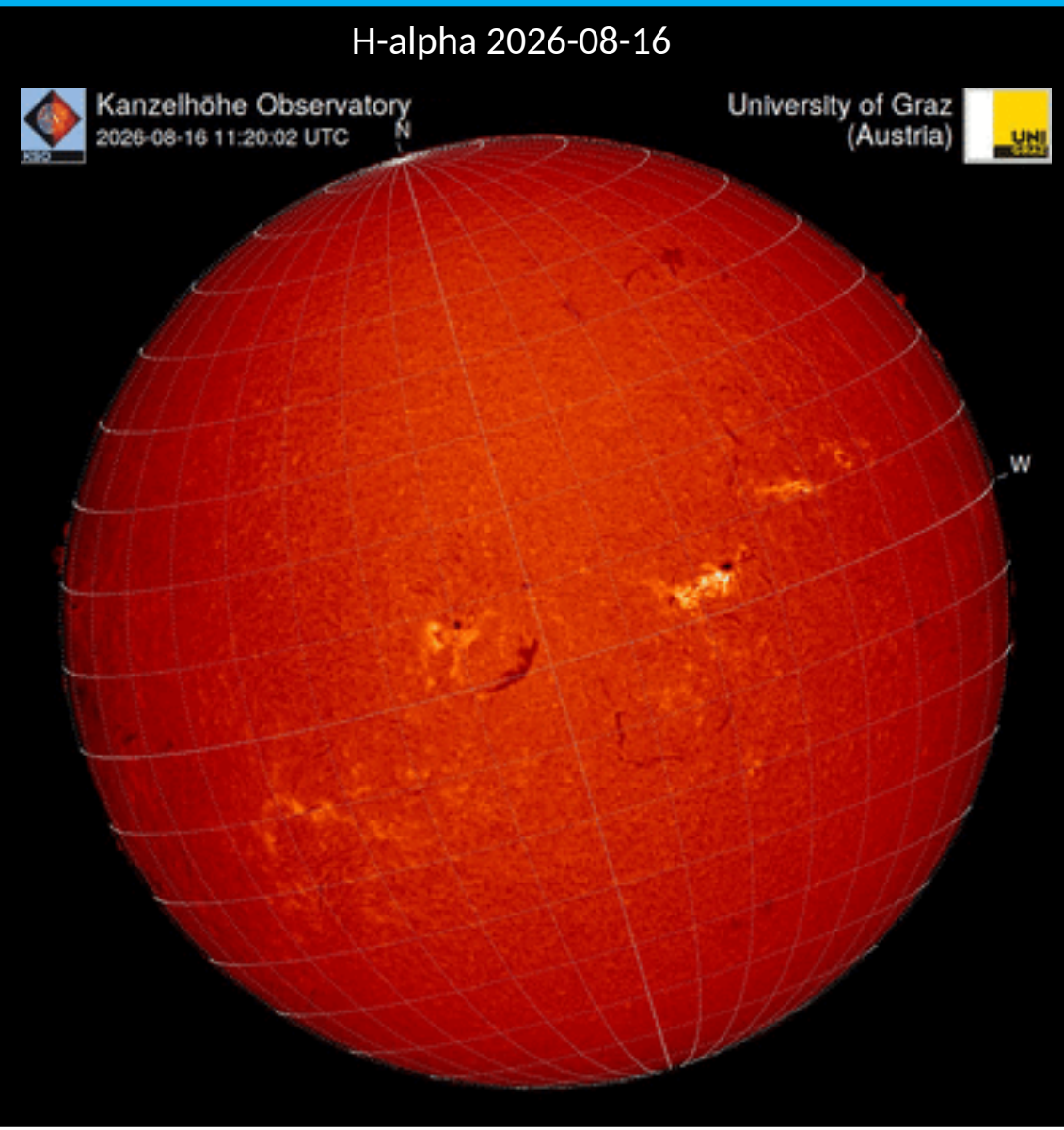


Filaments & Filament eruptions

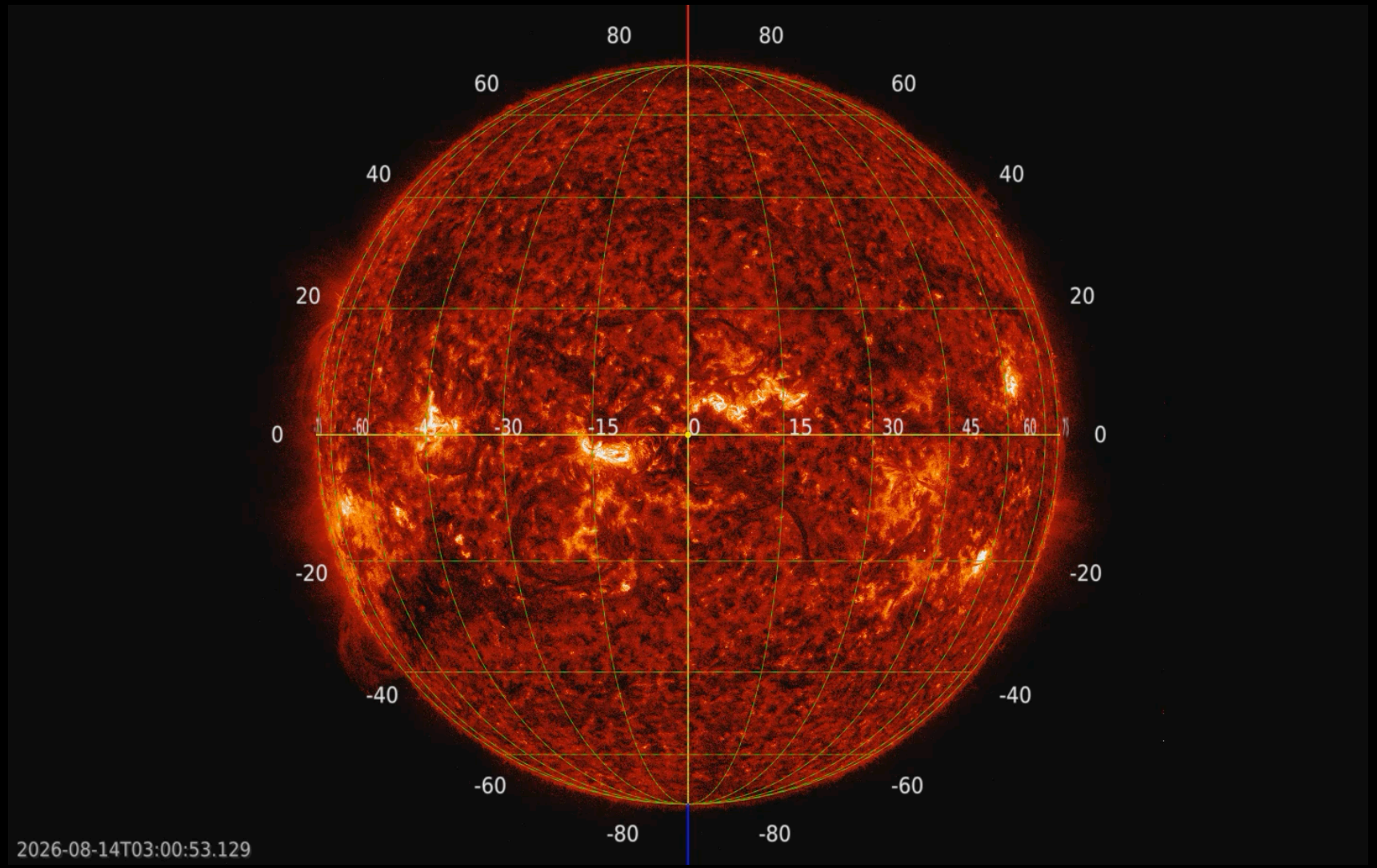
H-alpha 2026-08-10



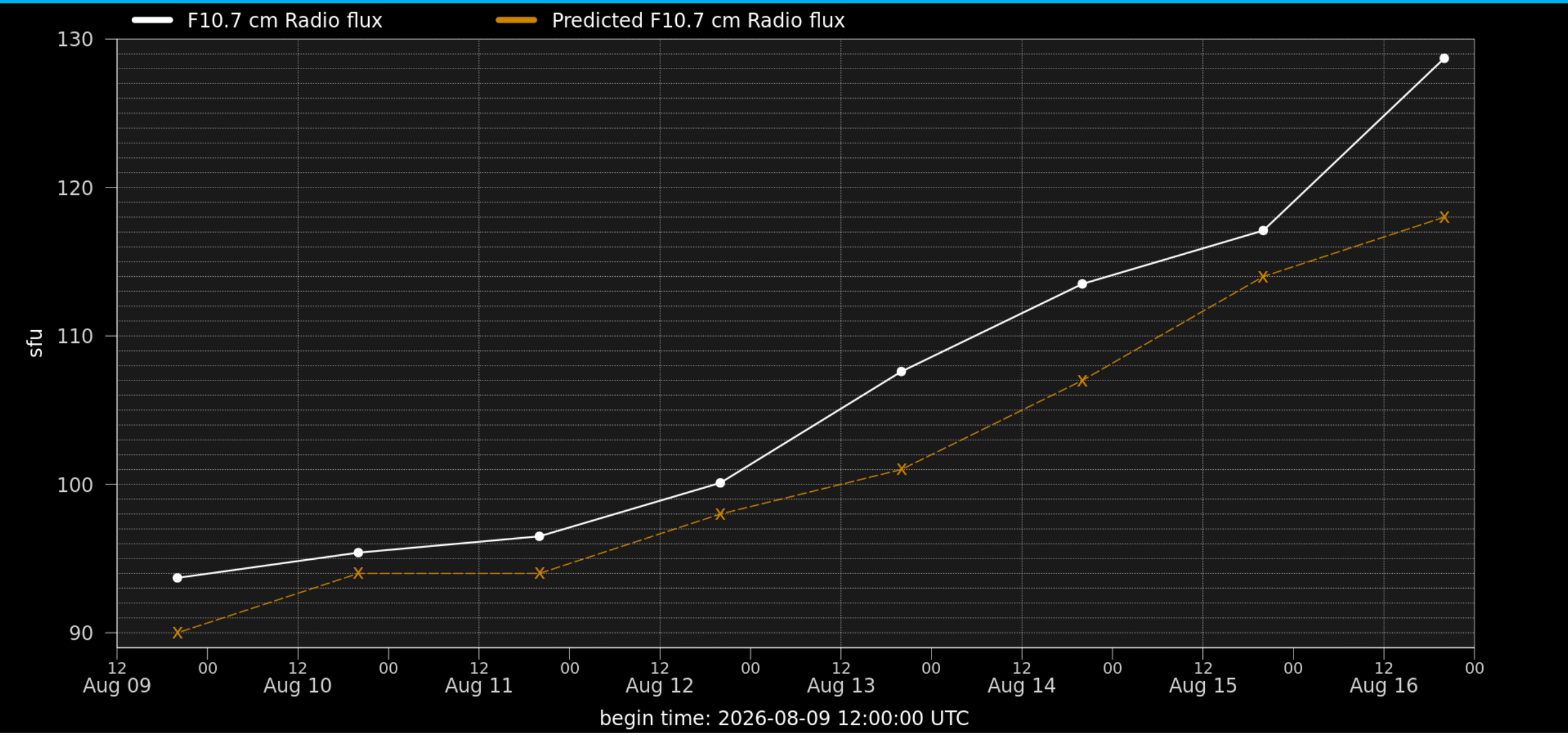
H-alpha 2026-08-16



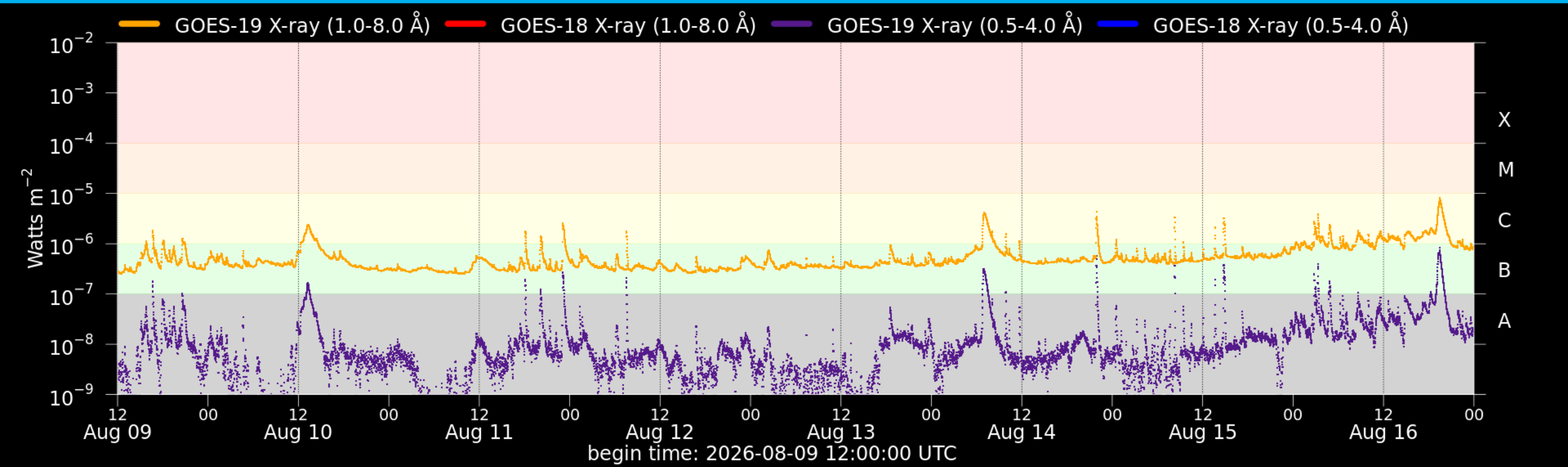
Filament eruption 14 Aug 04:00 UTC



Solar F10.7cm radio flux



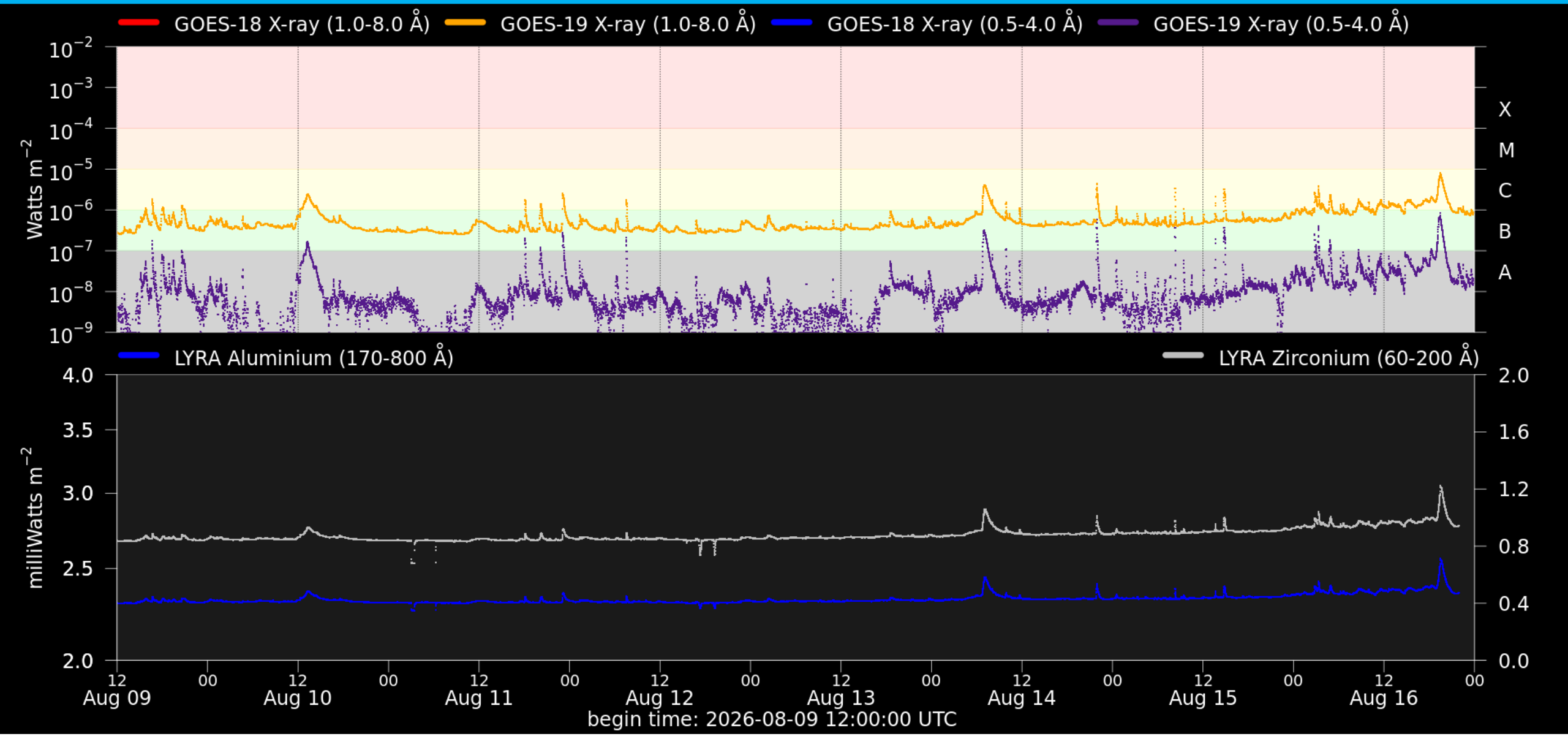
Flaring activity



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

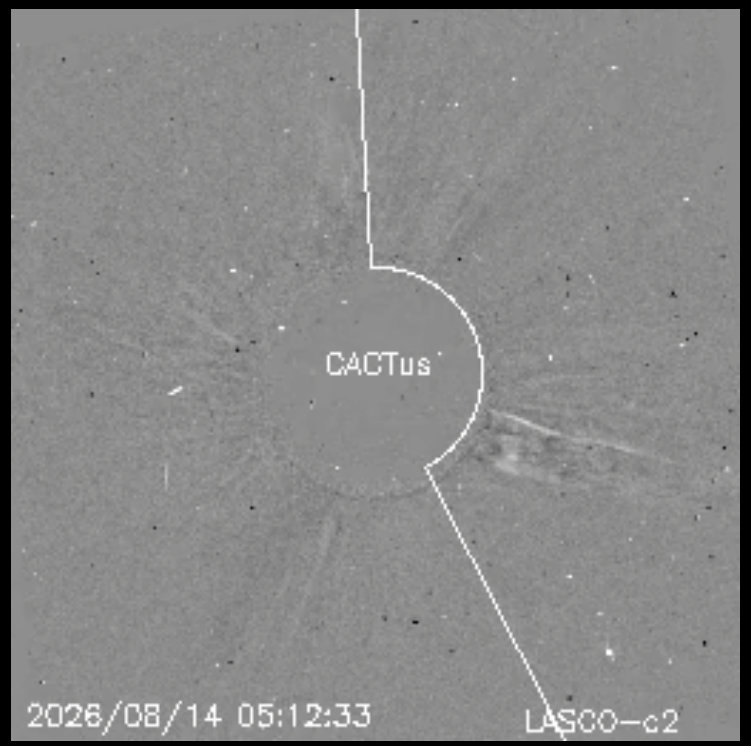
Issue date	2026-08-09	2026-08-10	2026-08-11	2026-08-12	2026-08-13	2026-08-14	2026-08-15	2026-08-16
Probability (%)	14|01|01	91|01|01	43|01|01	97|01|01	88|01|01	80|01|01	99|01|01	99|05|01
Observed (#)	04|00|00	00|00|00	04|00|00	00|00|00	03|00|00	04|00|00	09|00|00	02|00|00

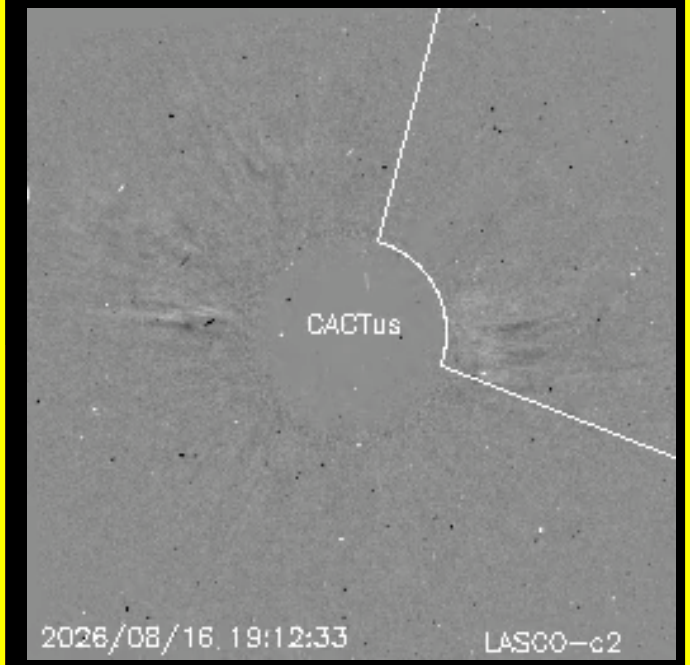
Solar X-Ray and UV flux



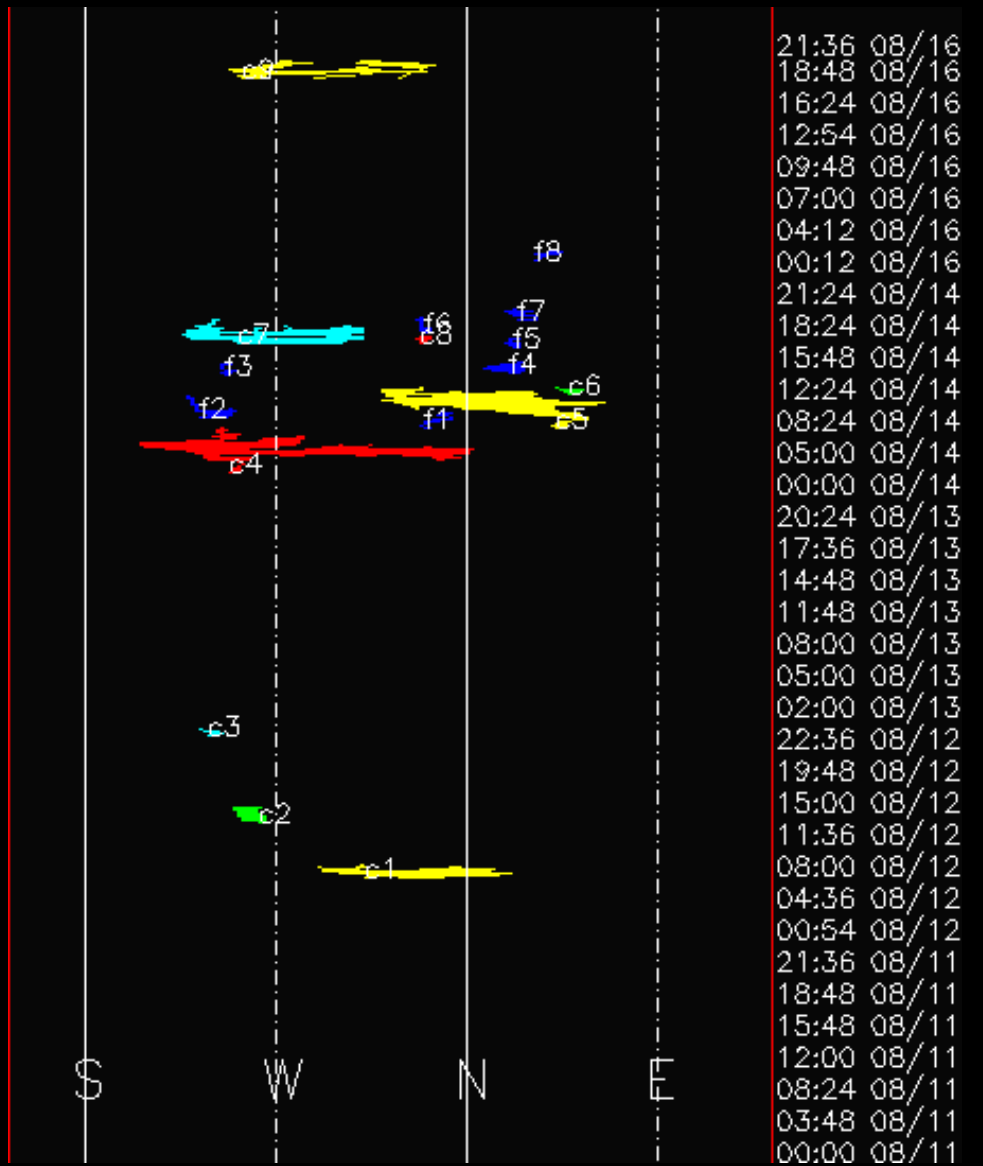
Coronal Mass Ejections

Filament eruption CME





Front-sided CME, geo-effectiveness TBC.



Solar Wind and

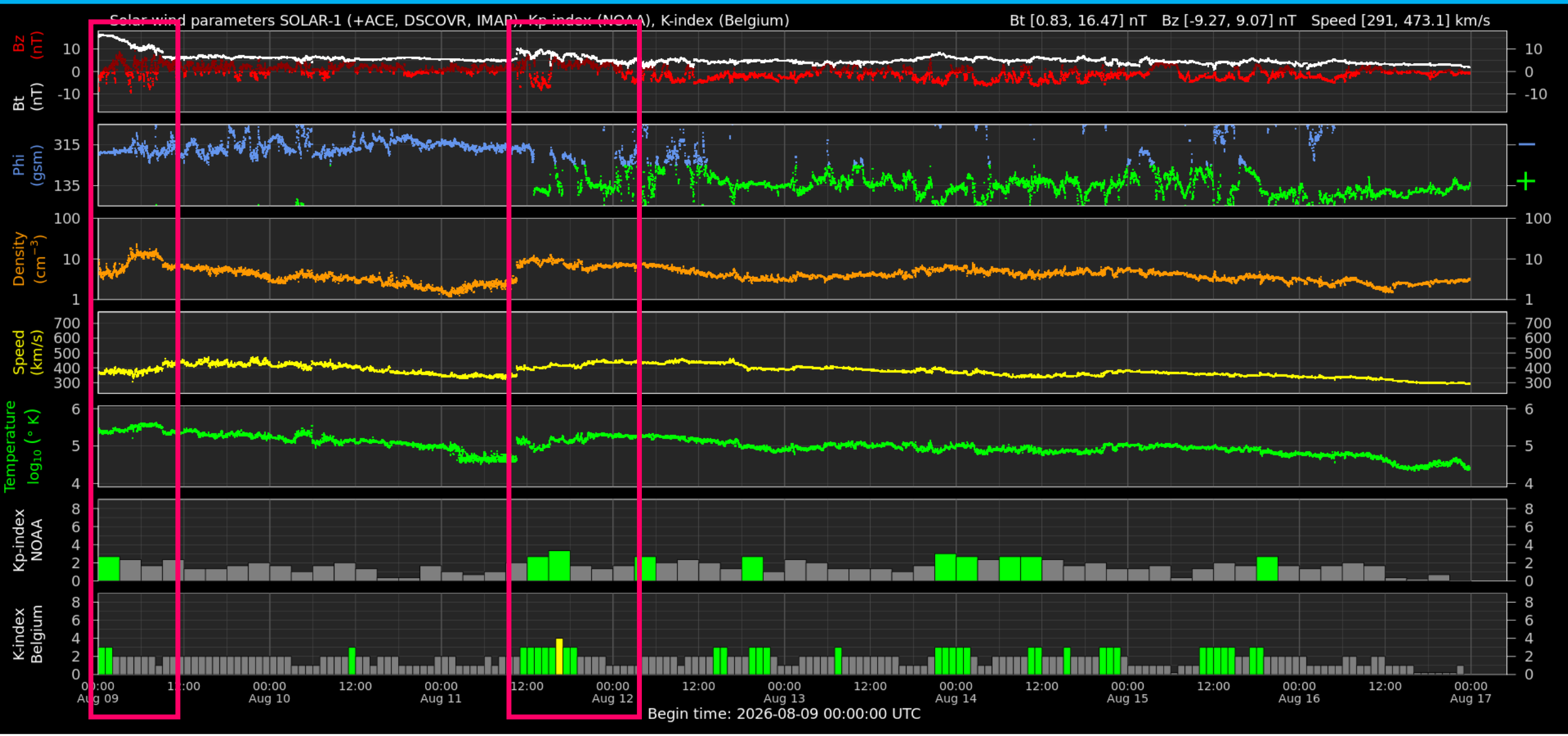
Geomagnetic Activity



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Solar wind parameters & K-indices



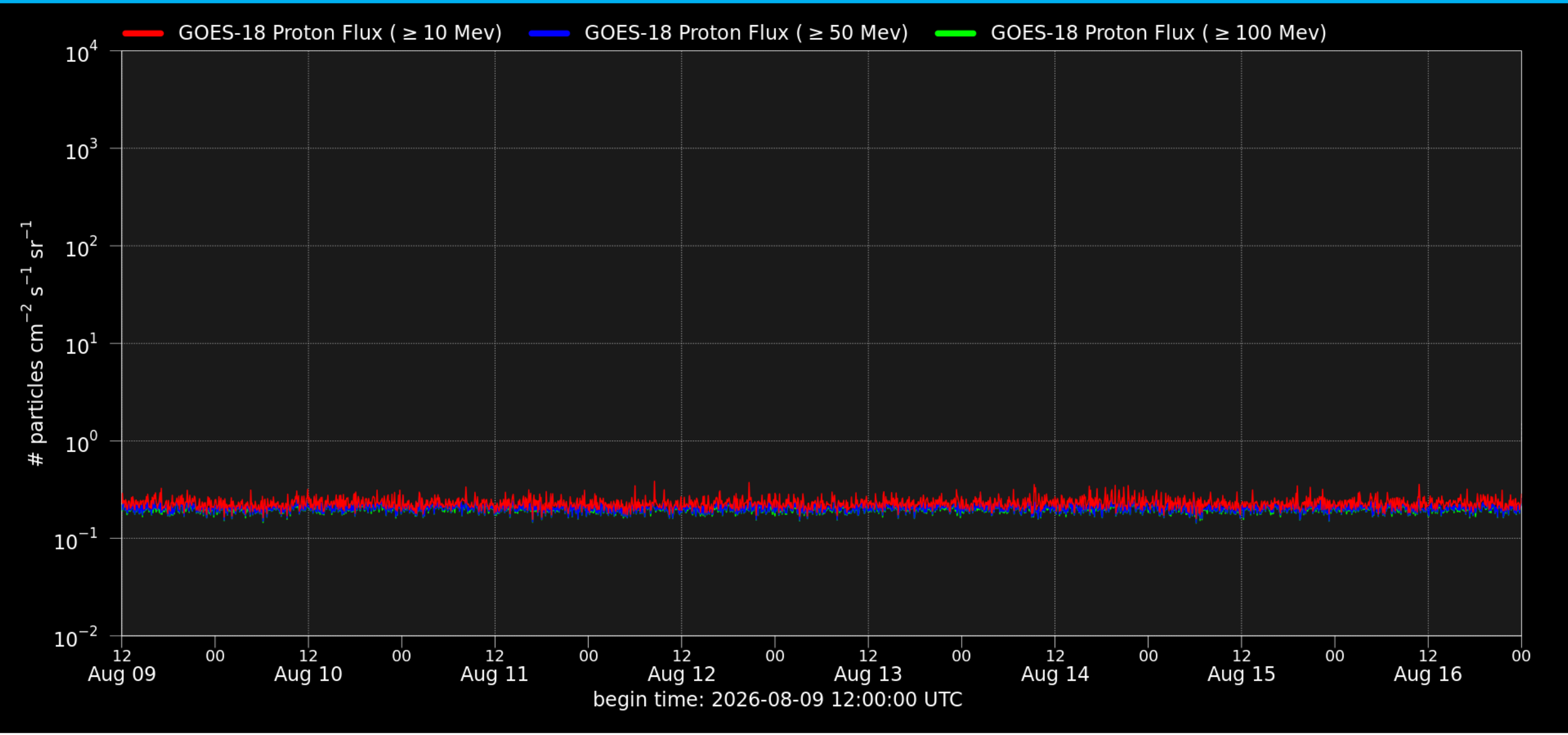
Energetic Particles



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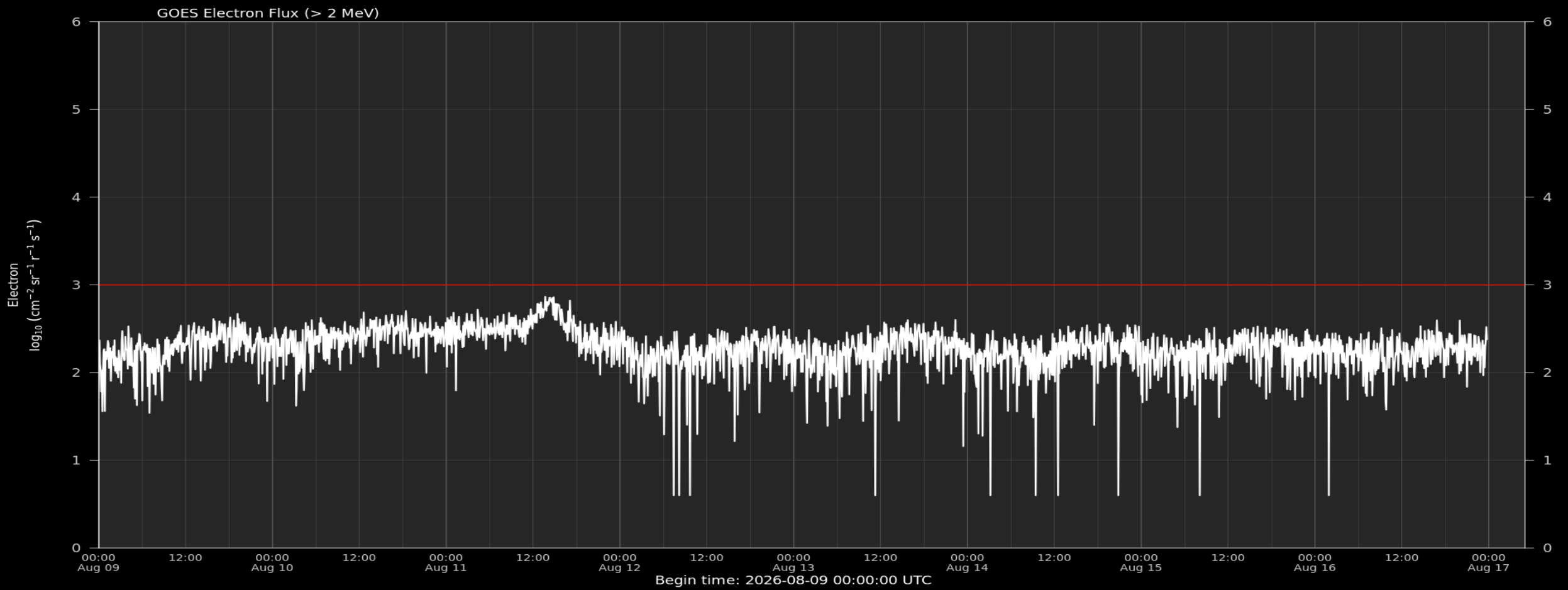
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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

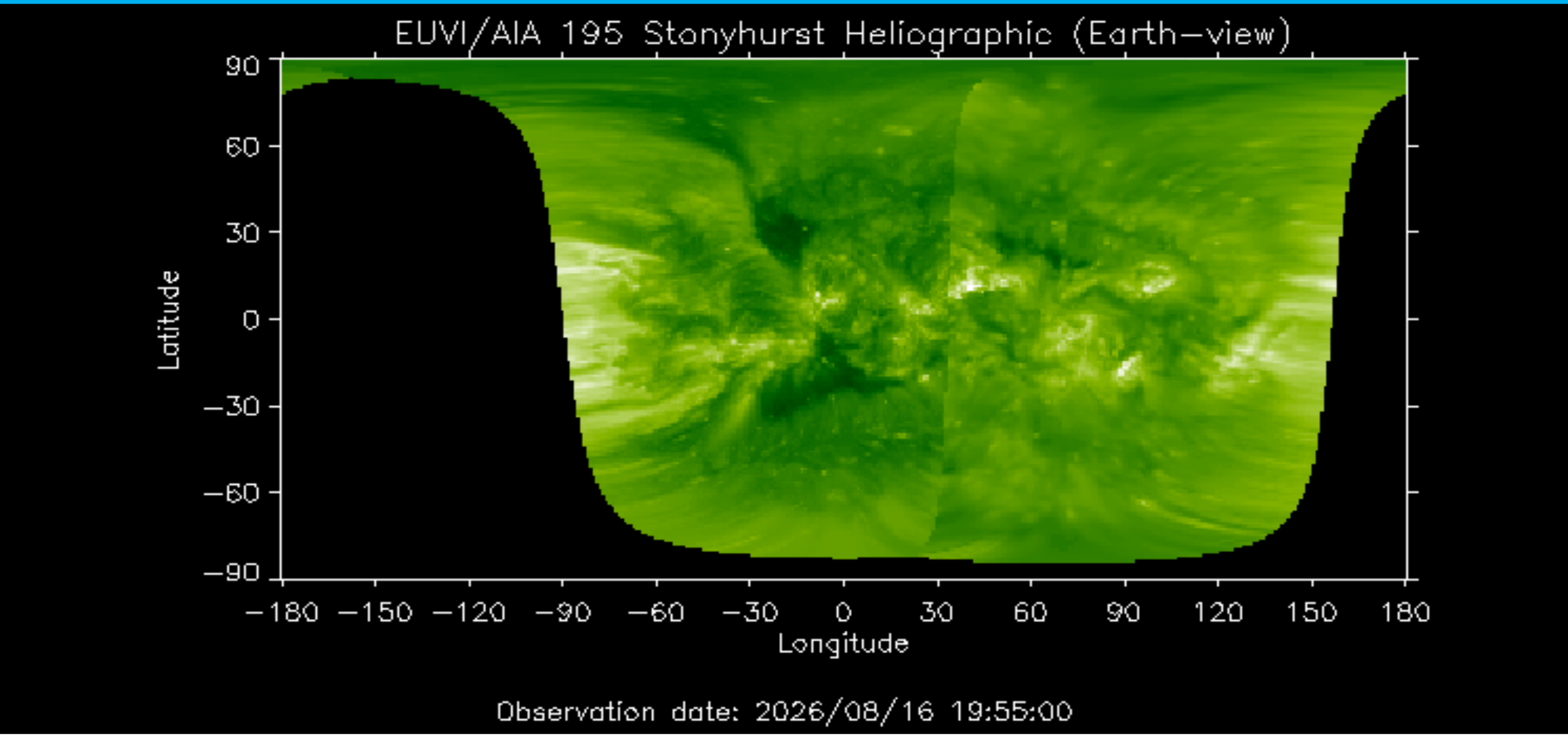


Outlook

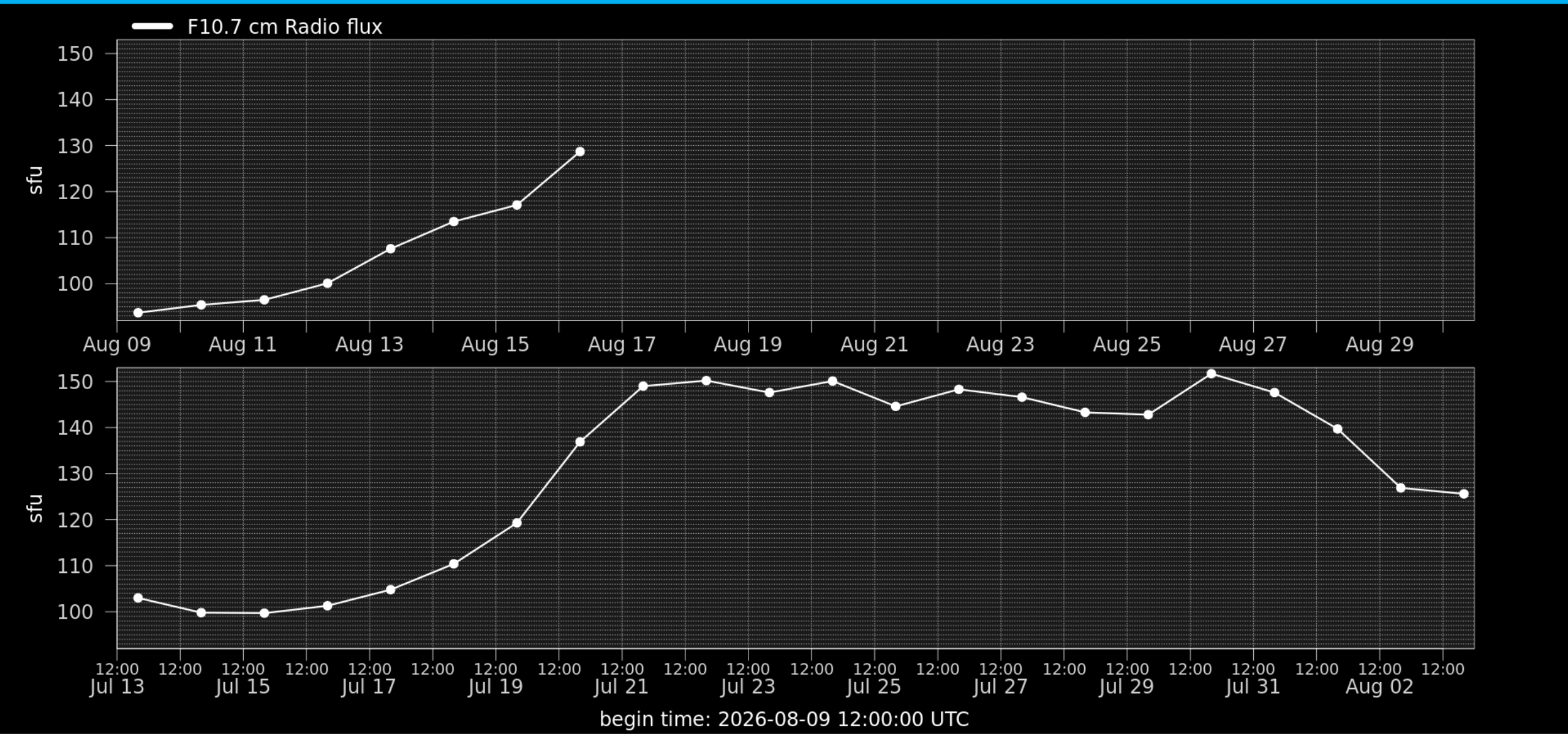
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Outlook: Solar activity

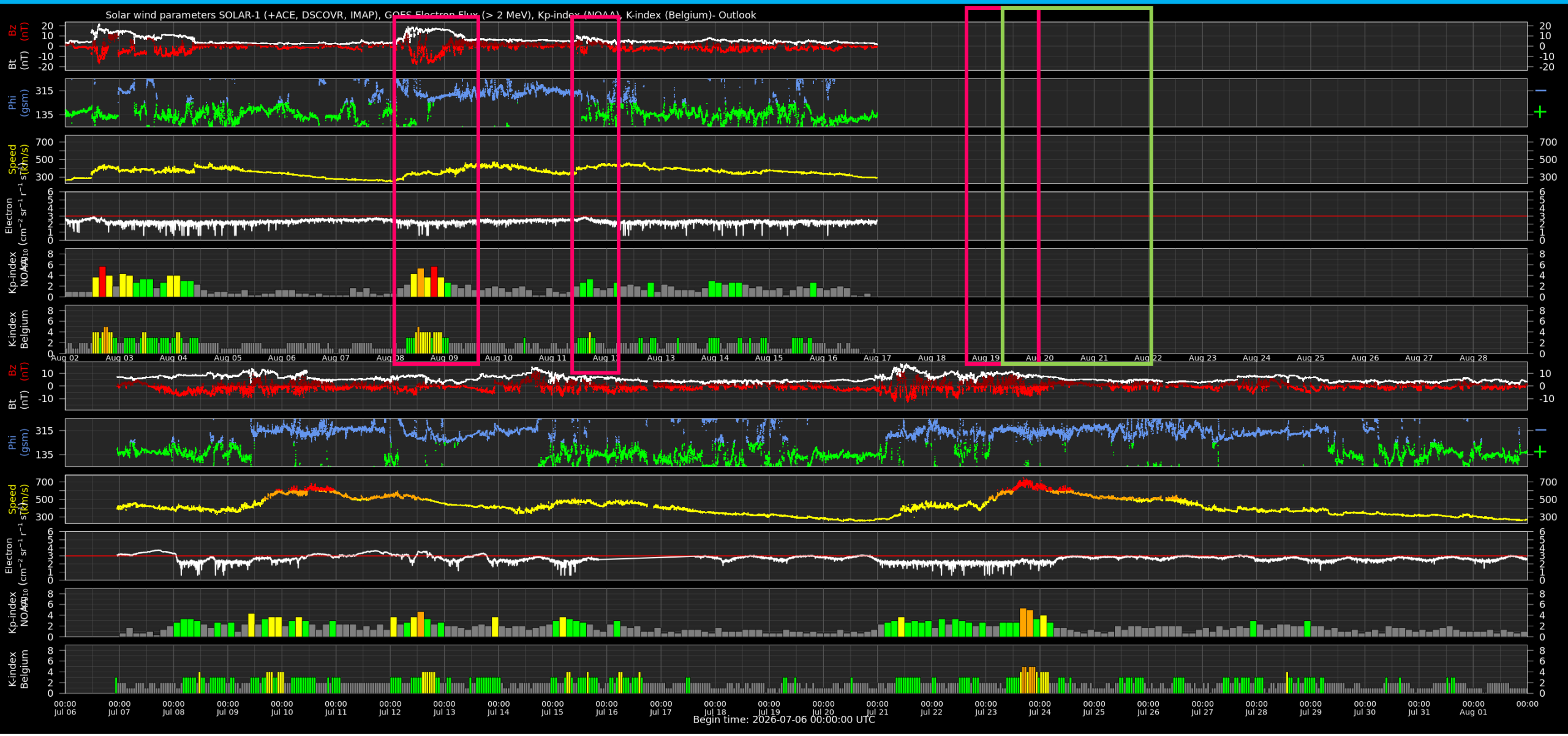


Outlook: Solar F10.7cm radio flux



Outlook: Electron Flux at GEO Outlook

glancing HSS



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Pecasus related events

Secondary back-up centre

9 HF COM moderate (PSD): 10-11 Aug

SIDC Space Weather Briefing

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