SIDC Space Weather Briefing

24 August 2026-30 August 2026

Daria Shukhobodskaia

& the SIDC forecaster team

Royal Observatory *of* Belgium

Solar Influences Data analysis Centre

www.sidc.be

Summary Report

Solar activity from 2026-08-24 00:00 to 2026-08-30 23:59

Active regions	7 Active regions: SIDC SG 929 (NOAA AR 4513)
Flares	# C-class flare: 21 # M-class flare: 7 # X-class flare: 0
Coronal Holes	positive polarity SIDC CH 159
CMEs	August 25 CME (SIDC CME 714); backsided halo CME on August 27 (SIDC CME 715)

Proton flux	below 10 pfu threshold
Electron flux	crossed 1000 pfu threshold on August 24-28

Solar wind and geomagnetic conditions

ICMEs	No clear ICME arrival
Solar wind conditions	|B|: 1.76 - 14.48 nT// Bz: -13.46 nT to 10.73 nT// Speed: 246.0 - 491.8 km/s
Geomagnetic conditions	max KBel: 4.0, max Kp(NOAA): 4.33, Active conditions

All Quiet Alert: Off

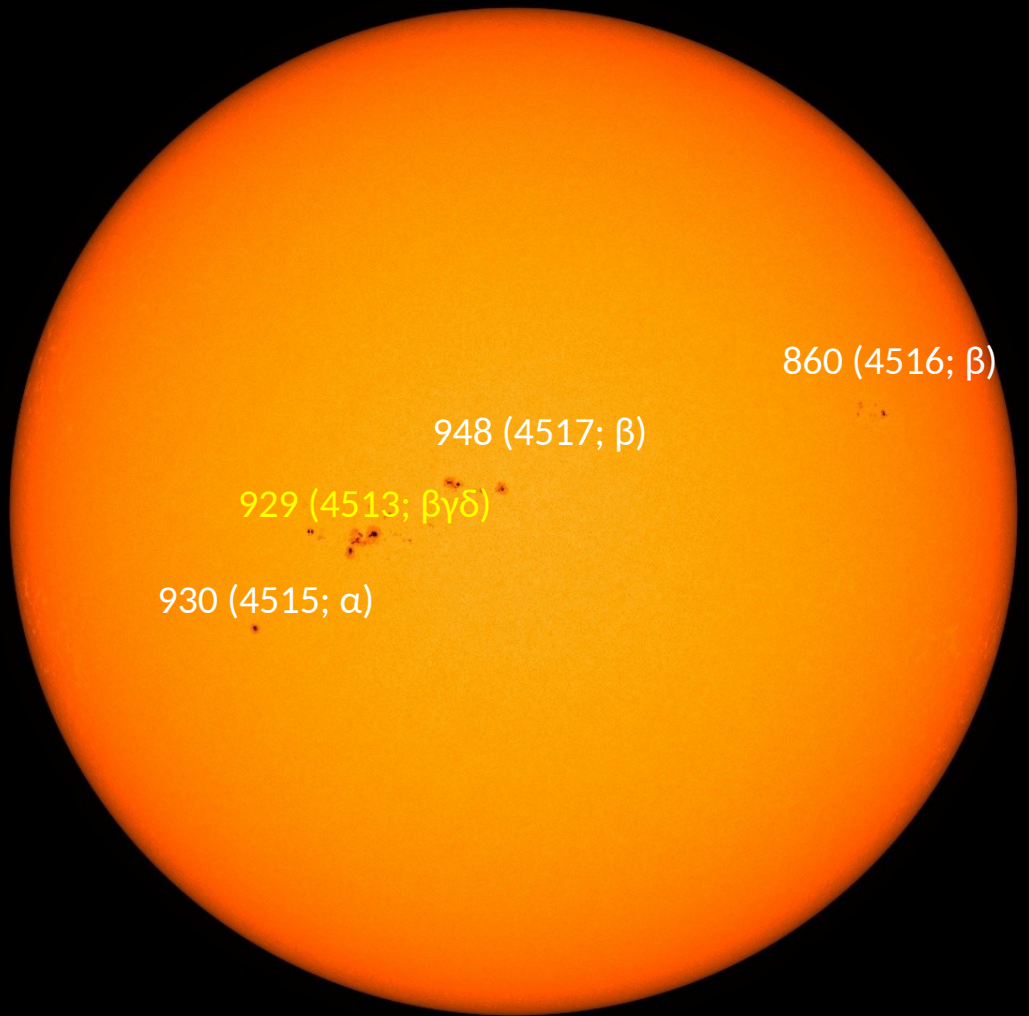
Solar Activity

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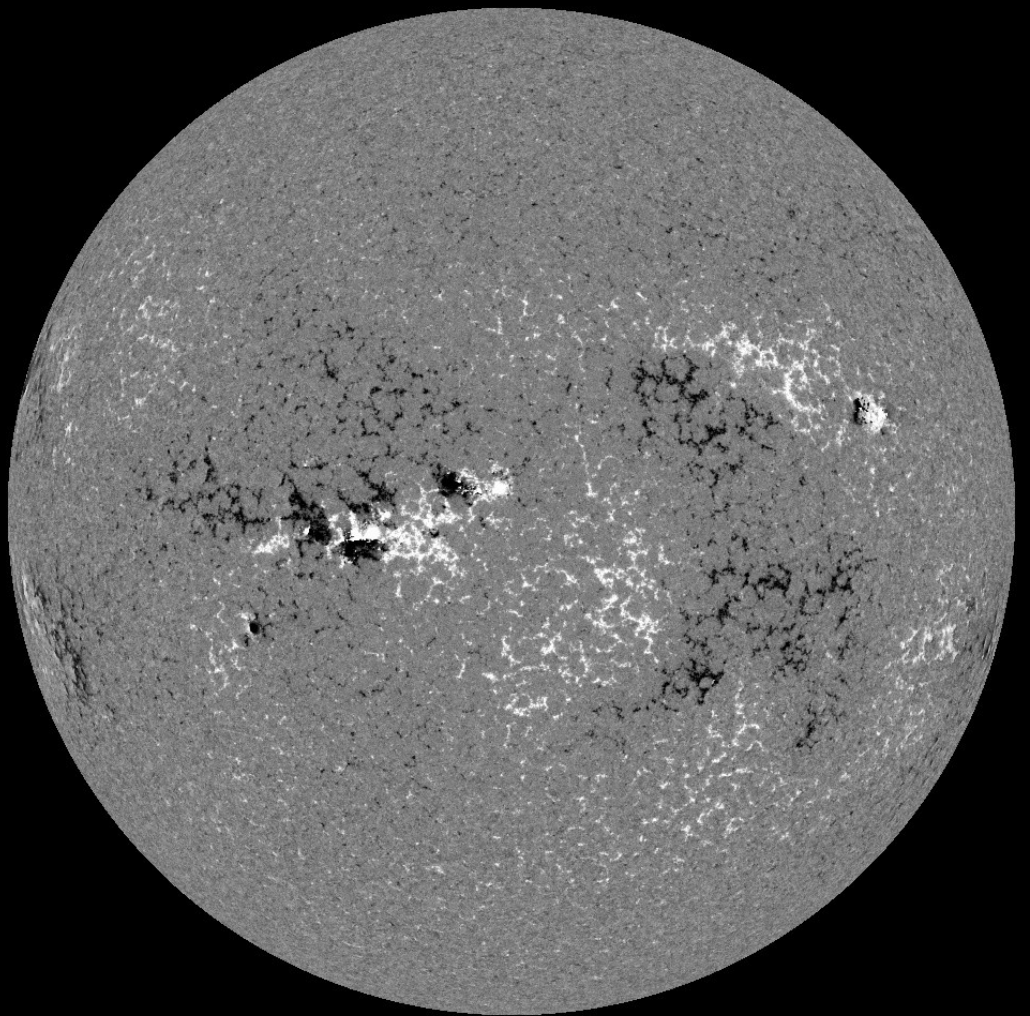
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Solar active regions

SDO/HMI White Light 2026-08-24

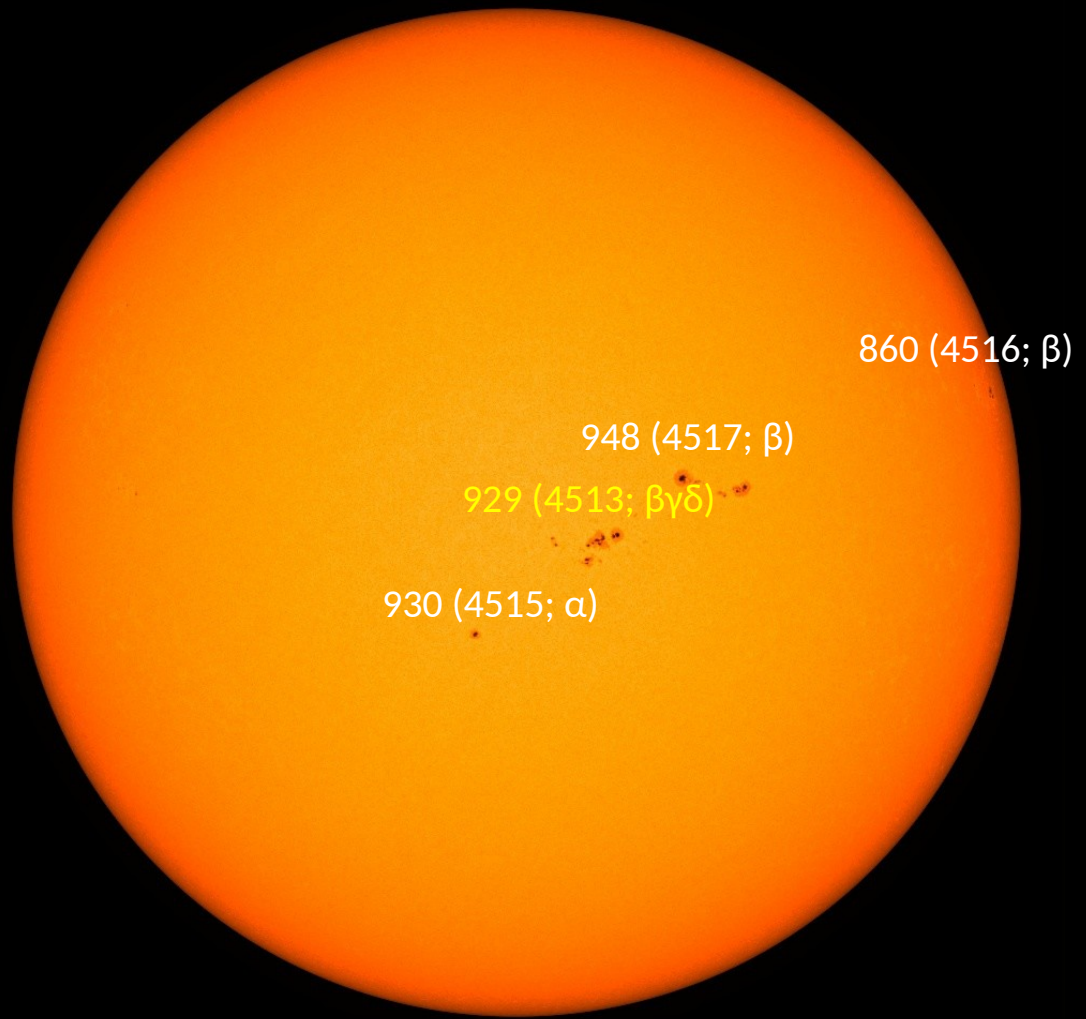


SDO/HMI Magnetogram 2026-08-24

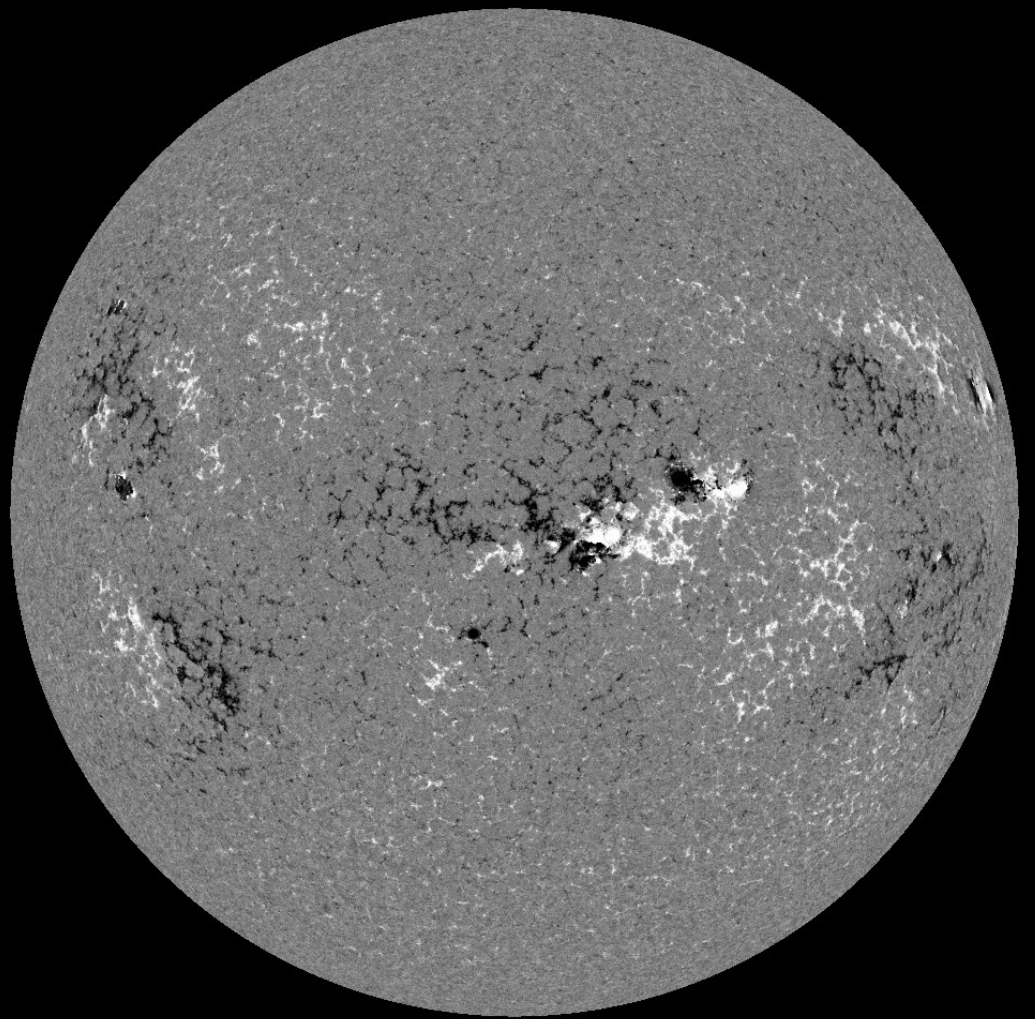


Solar active regions

SDO/HMI White Light 2026-08-26

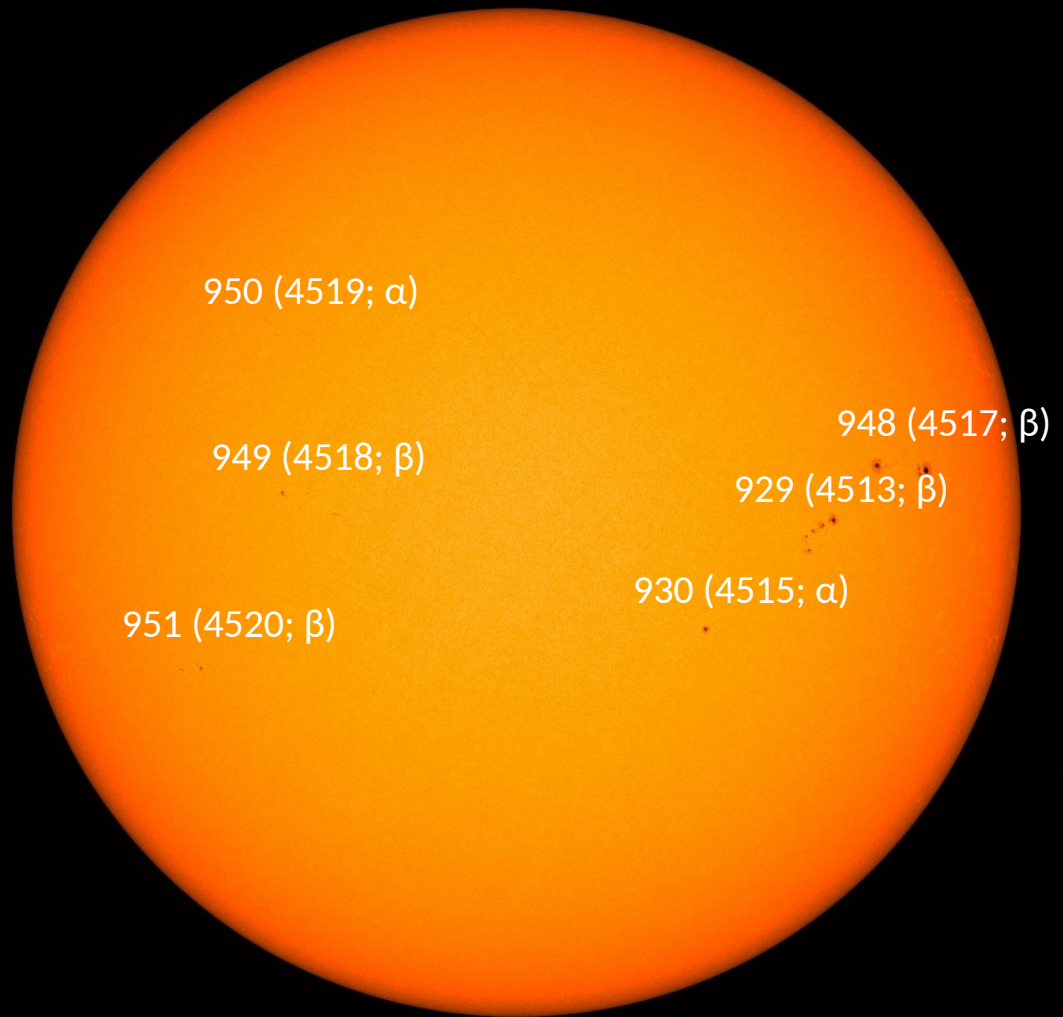


SDO/HMI Magnetogram 2026-08-26

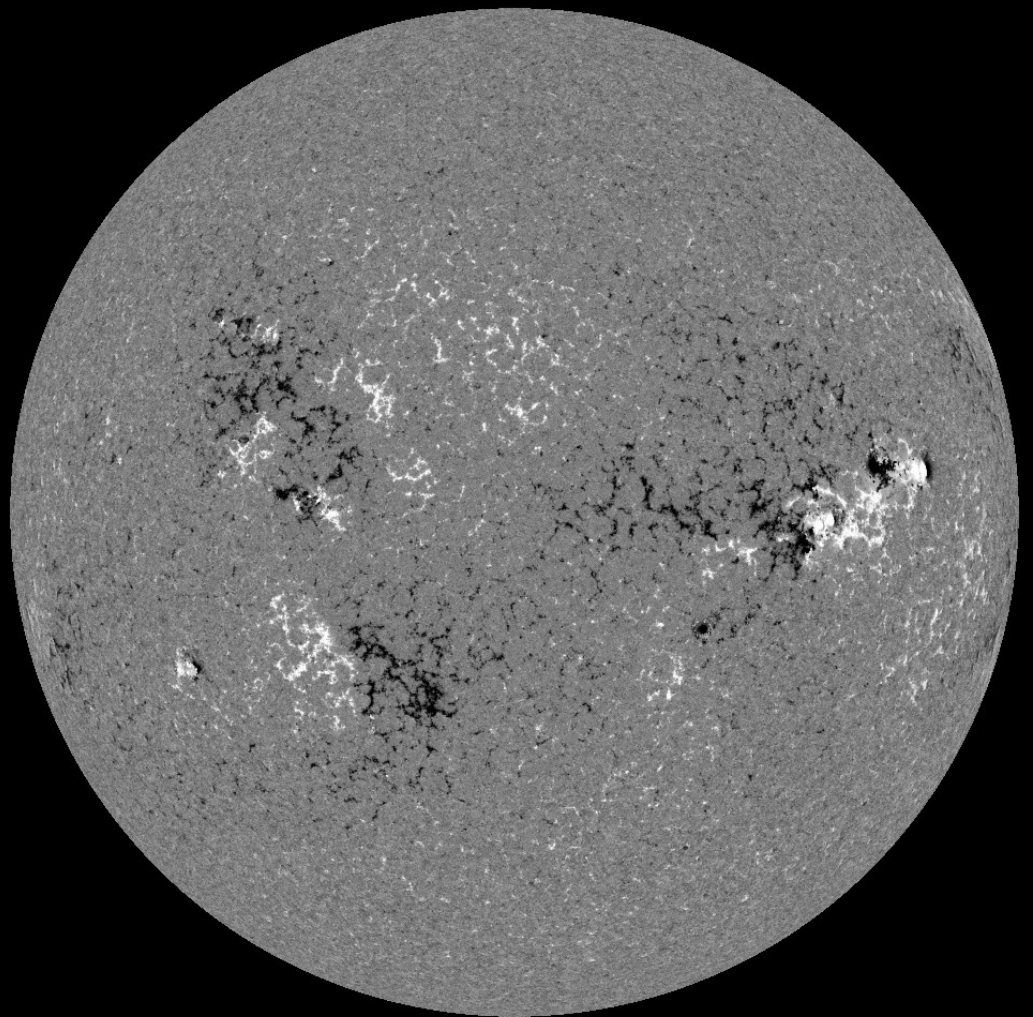


Solar active regions

SDO/HMI White Light 2026-08-28

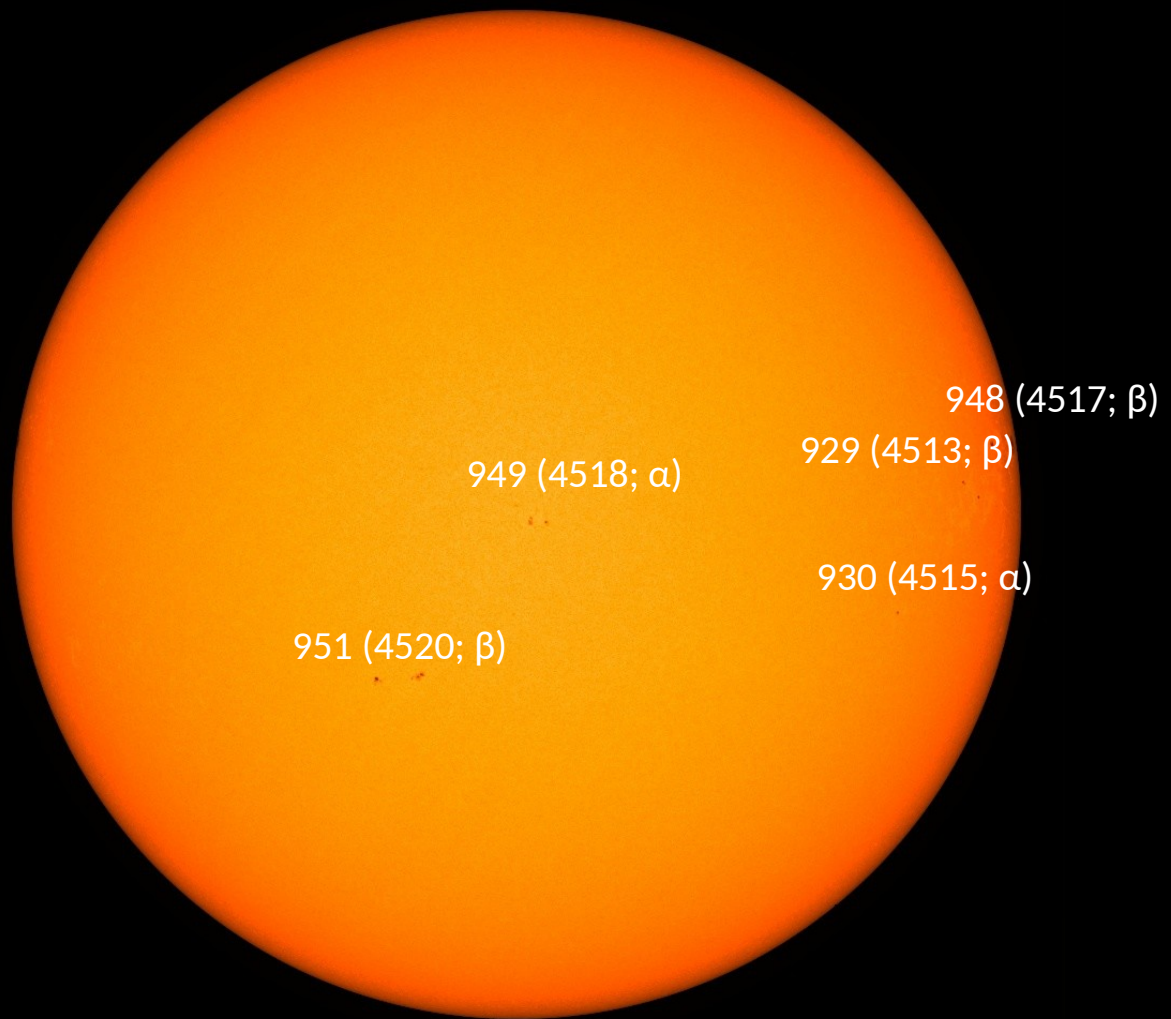


SDO/HMI Magnetogram 2026-08-28

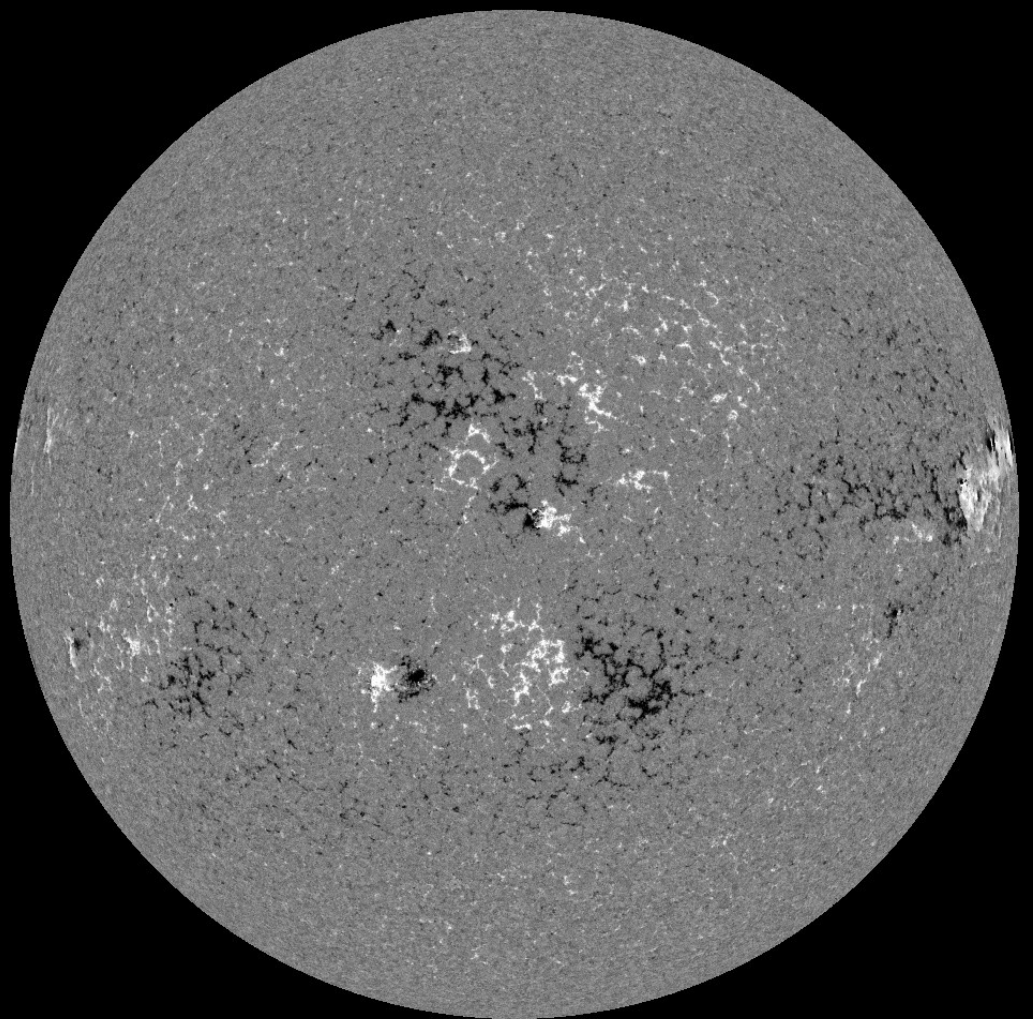


Solar active regions

SDO/HMI White Light 2026-08-30

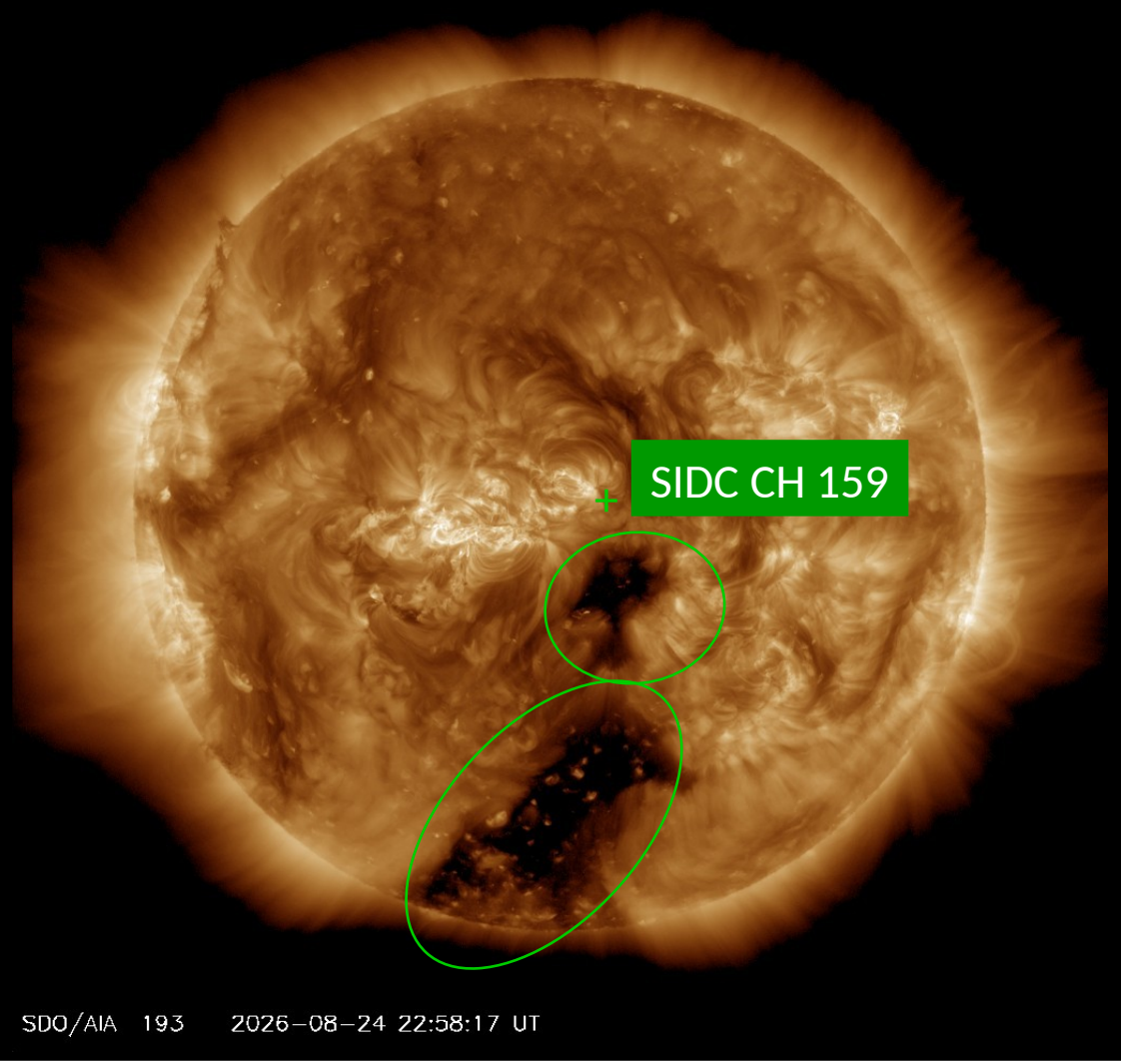


SDO/HMI Magnetogram 2026-08-30

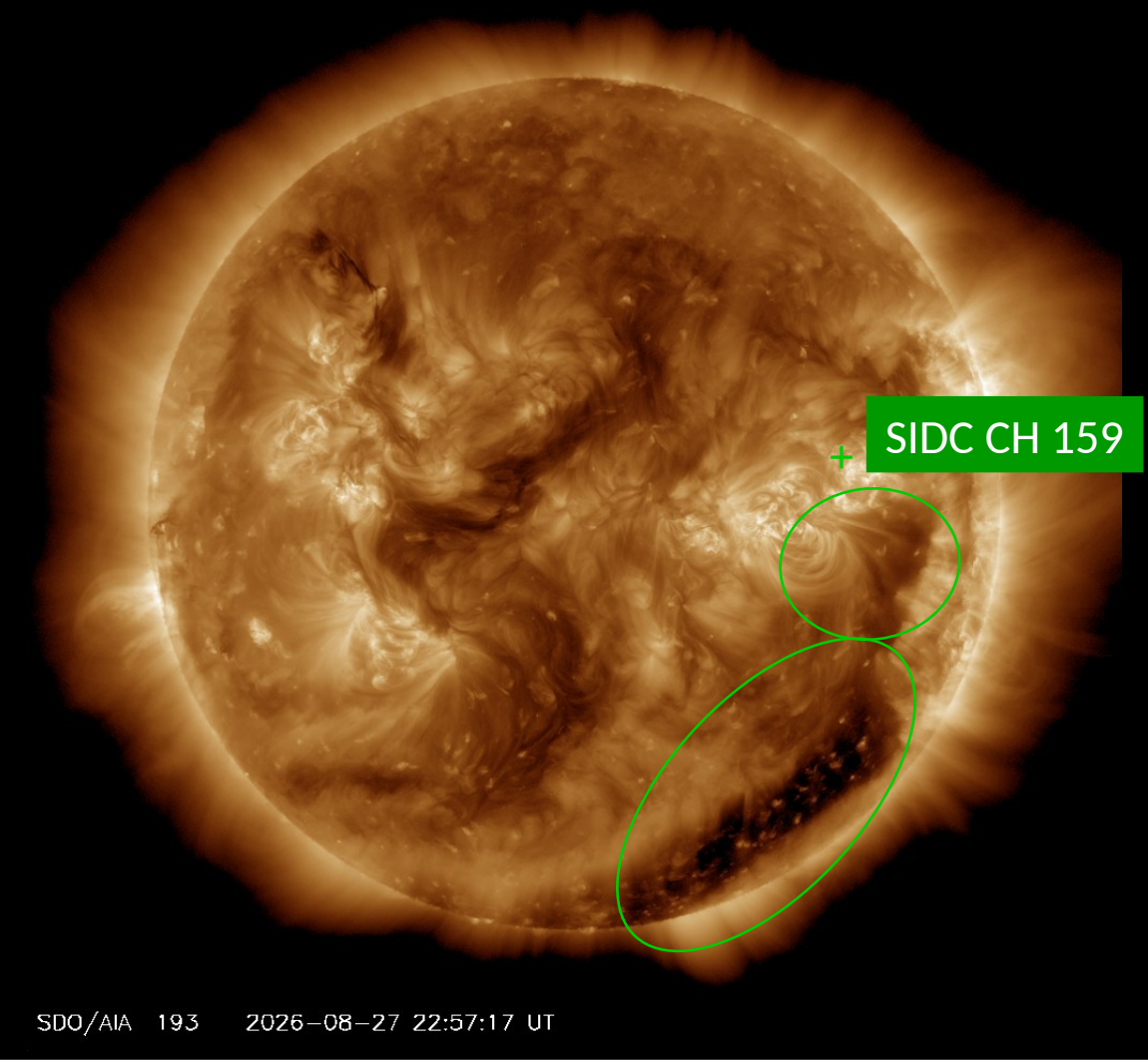


Coronal holes

SDO/AIA 19.3 nm 2026-08-24

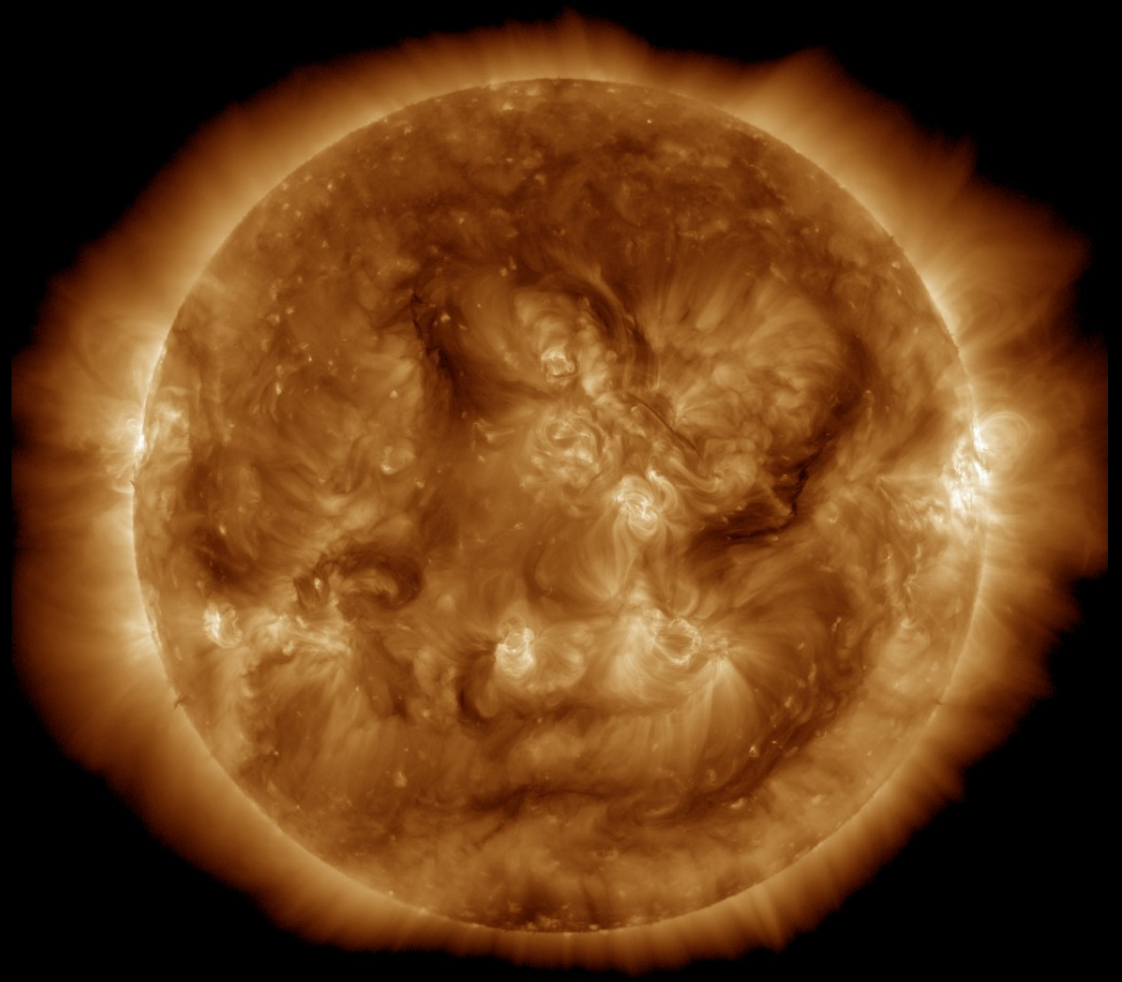


SDO/AIA 19.3 nm 2026-08-27



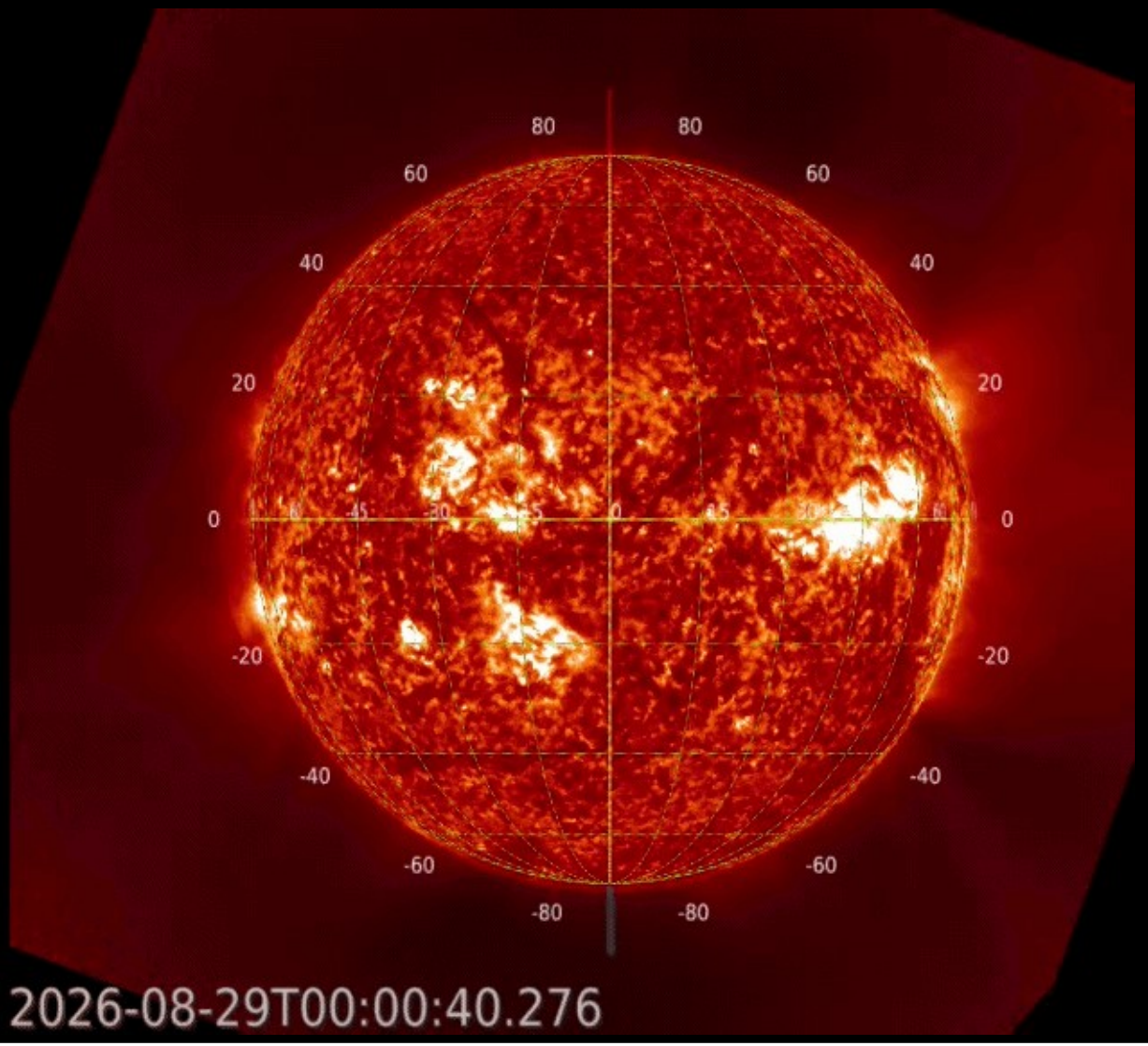
Coronal holes

SDO/AIA 19.3 nm 2026-08-31

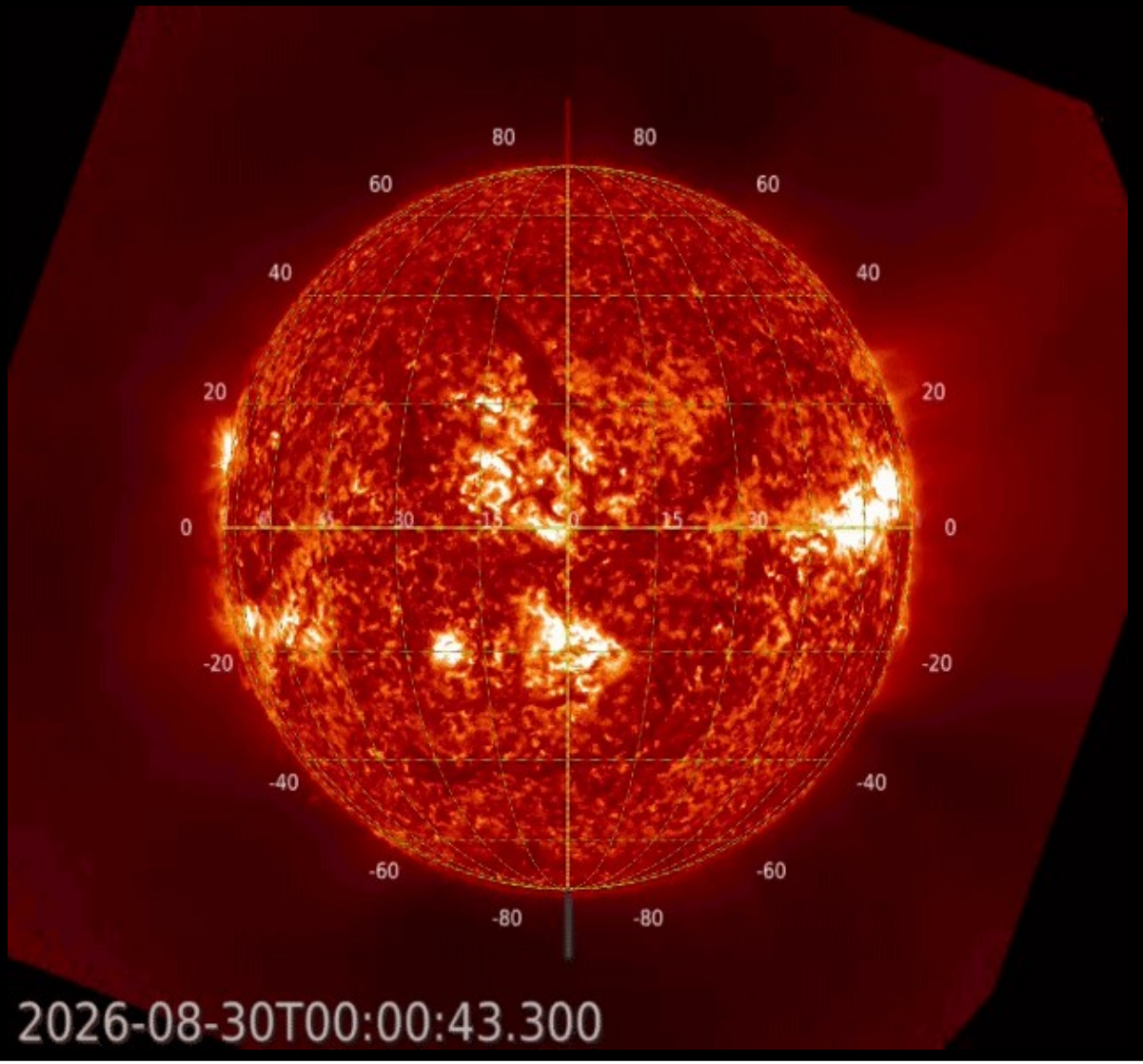


Filaments

GOES/SUVI 30.4 nm 2026-08-29

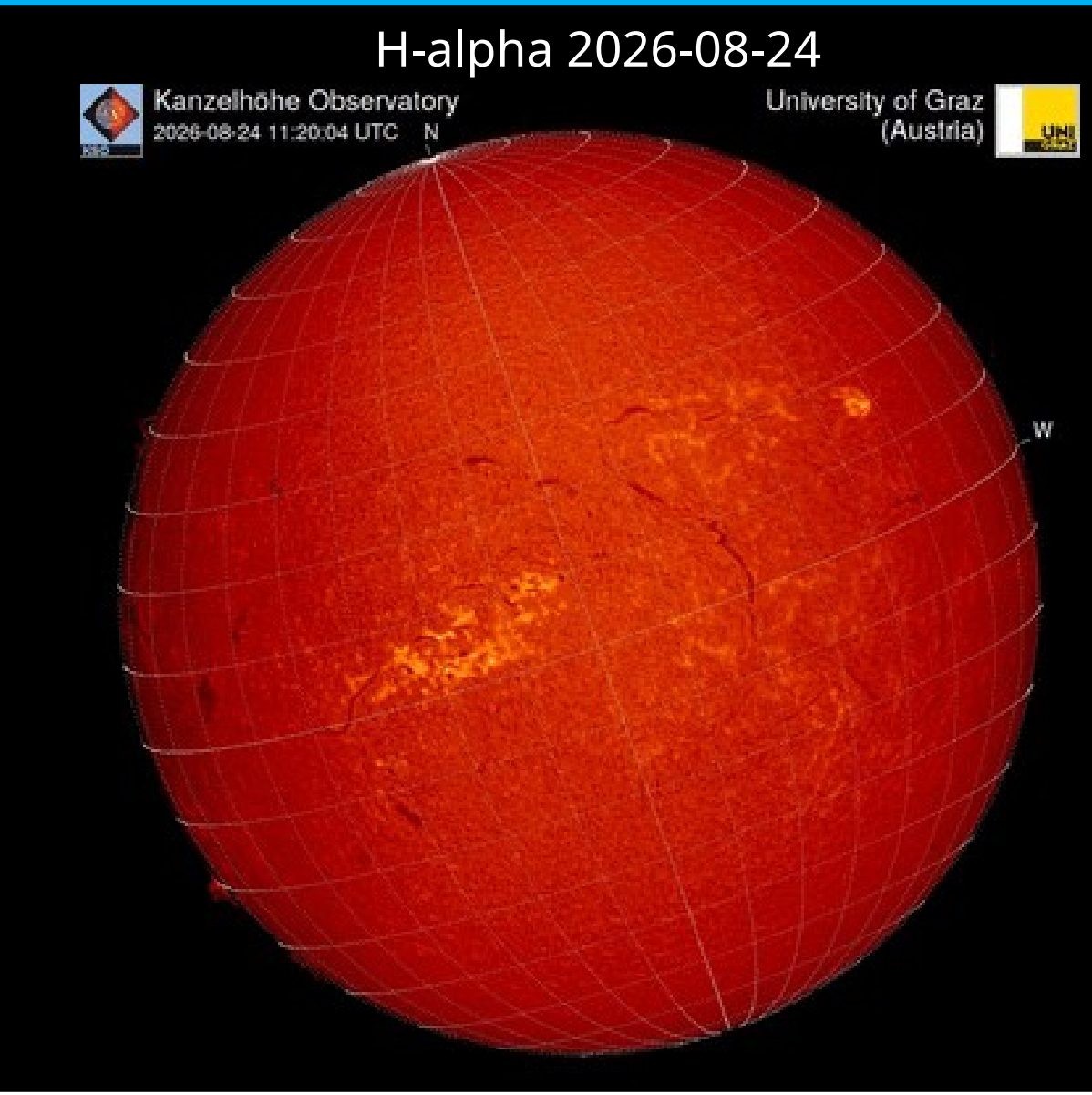


GOES/SUVI 30.4 nm 2026-08-30

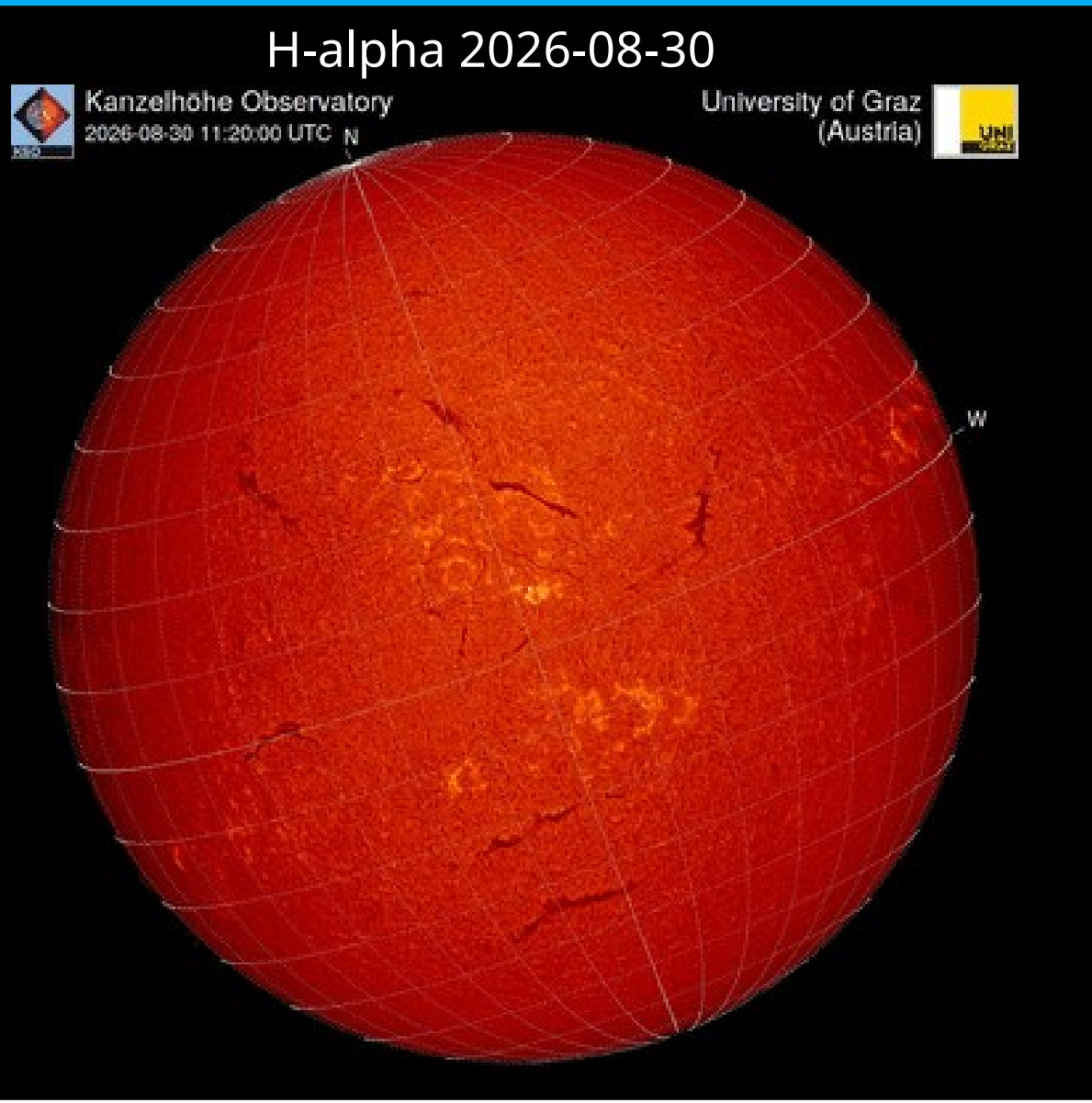


Filaments & Filament eruptions

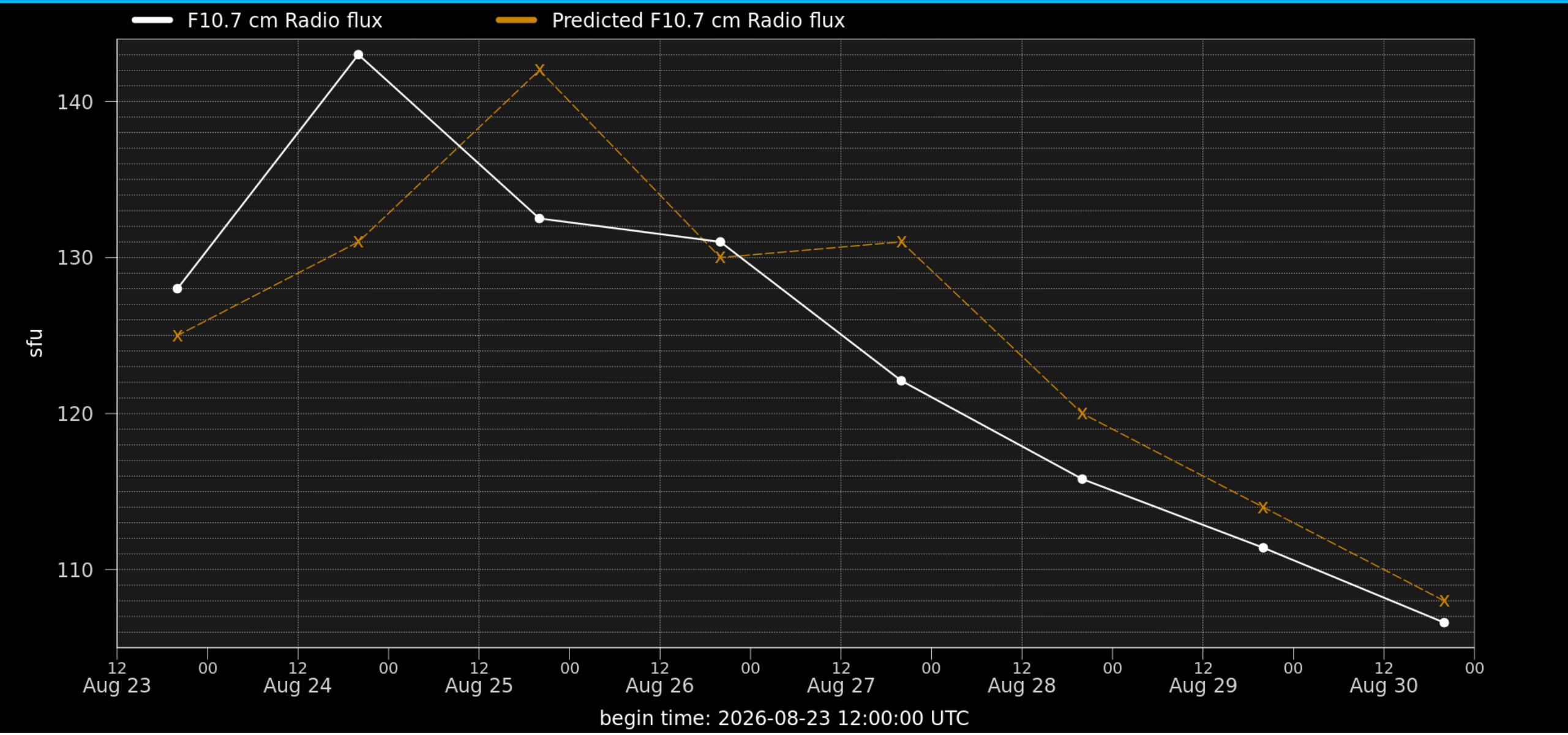
H-alpha 2026-08-24



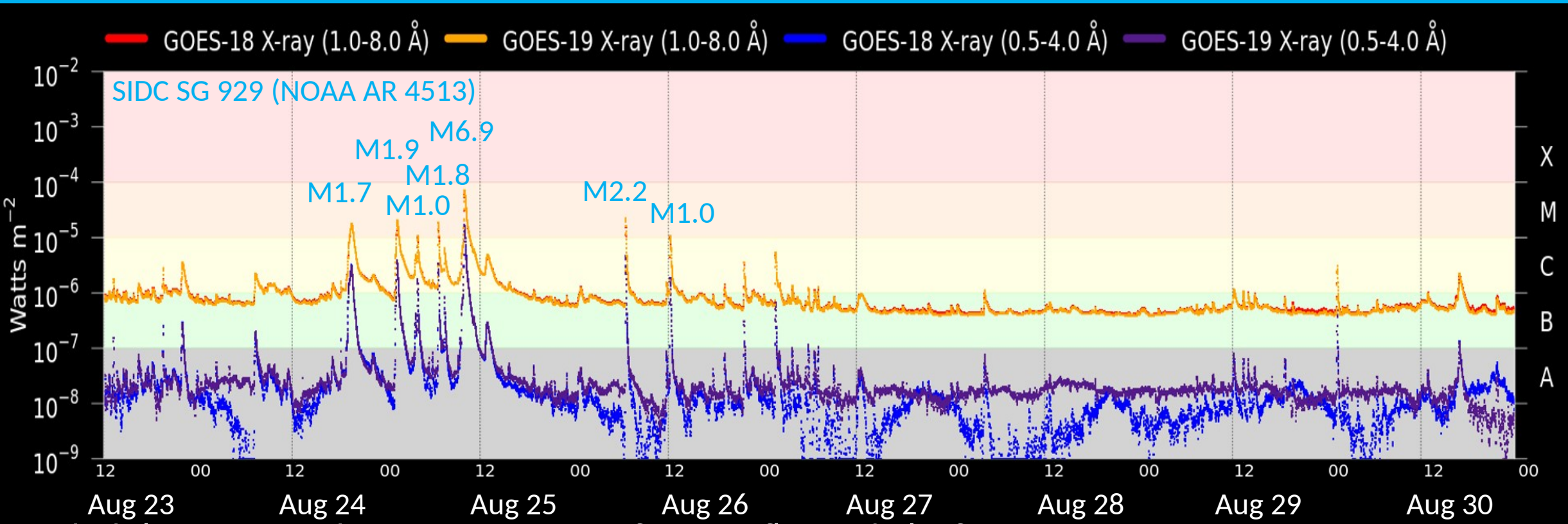
H-alpha 2026-08-30



Solar F10.7cm radio flux



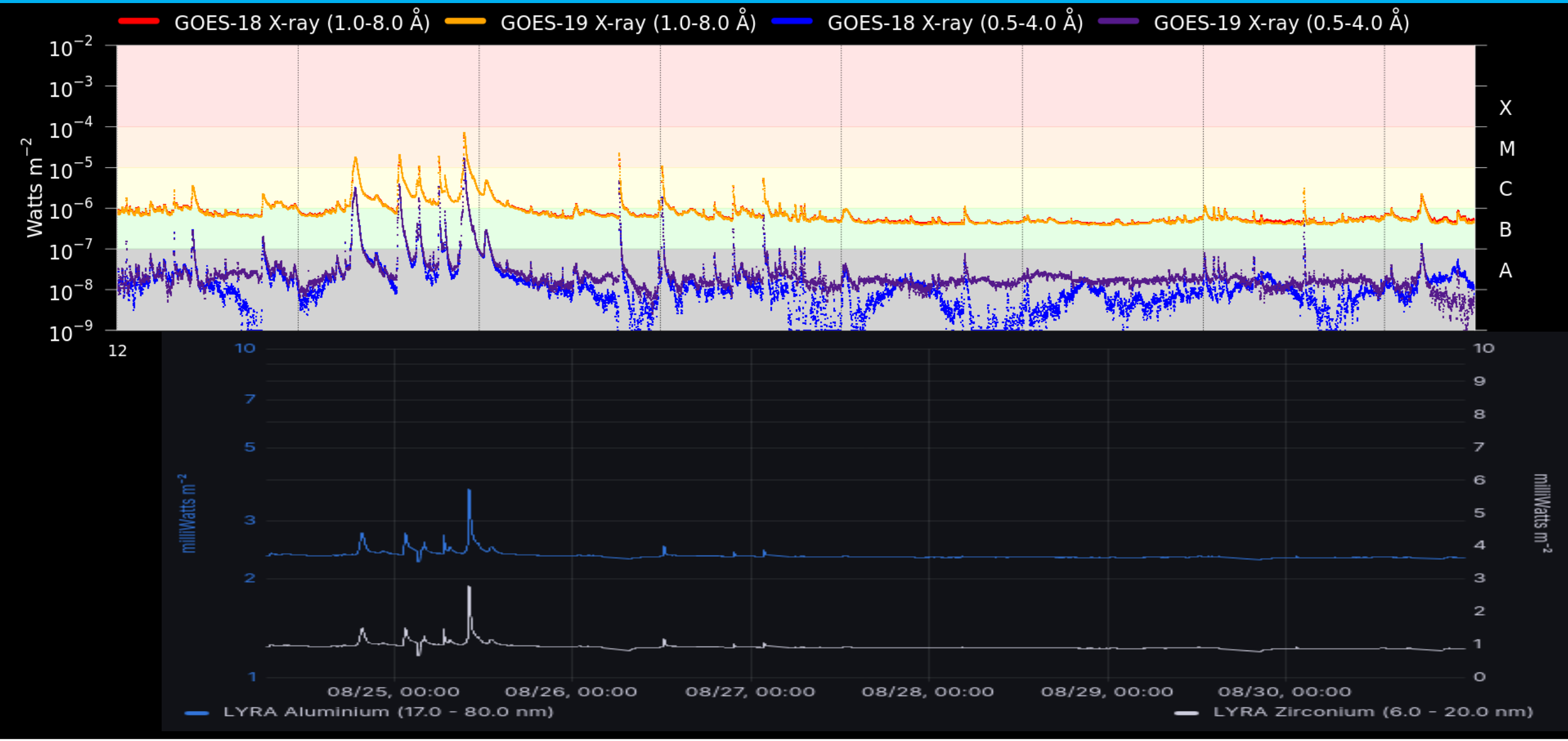
Flaring activity



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

Issue date	2026-08-23	2026-08-24	2026-08-25	2026-08-26	2026-08-27	2026-08-28	2026-08-29	2026-08-30
Probability (%)	96|67|10	99|45|10	99|60|10	99|55|05	99|40|05	90|20|05	85|20|01	90|15|01
Observed (#)	05|00|00	03|05|00	01|01|00	07|01|00	01|00|00	00|00|00	03|00|00	01|00|00

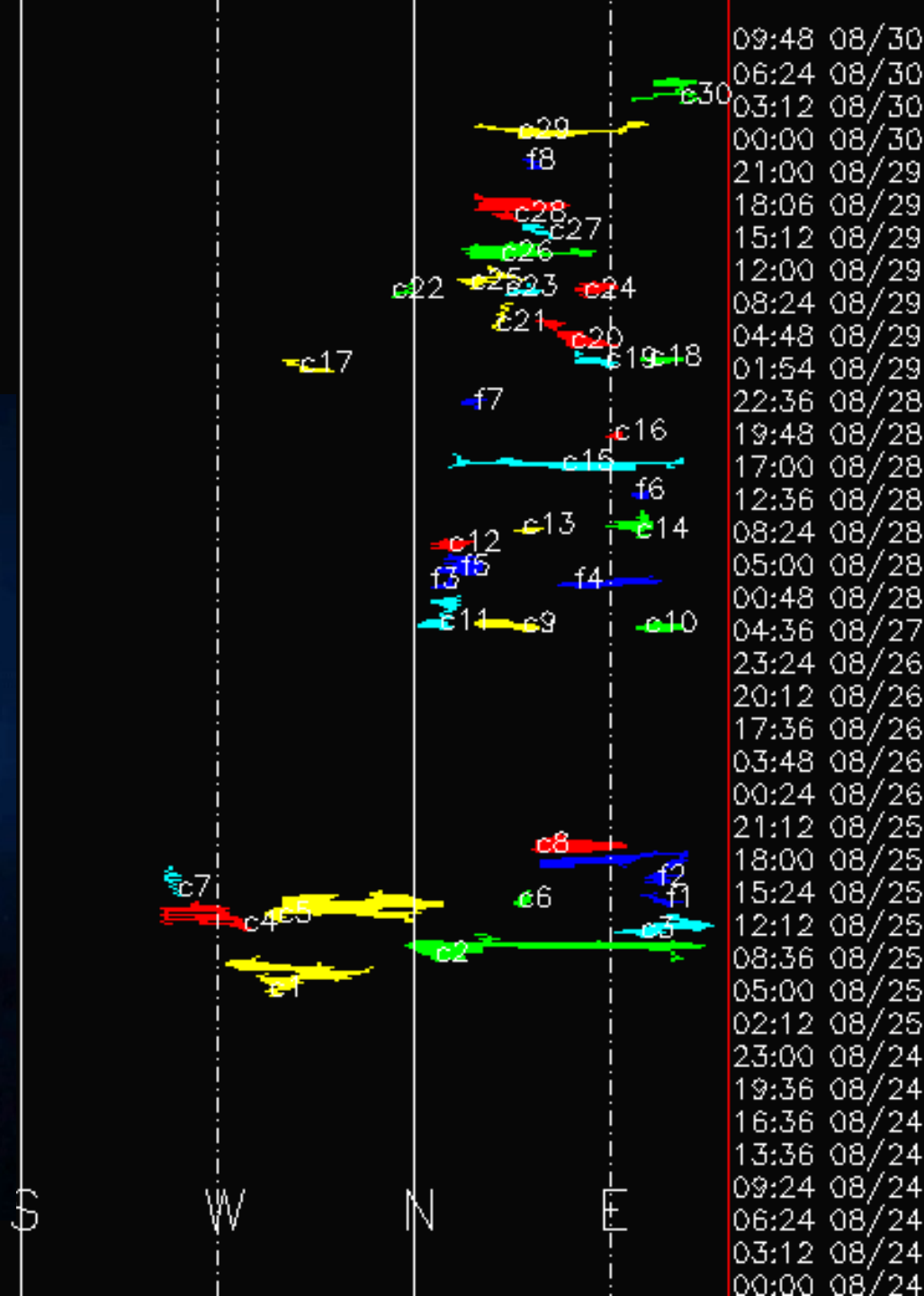
Solar X-Ray and UV flux



Coronal Mass Ejections

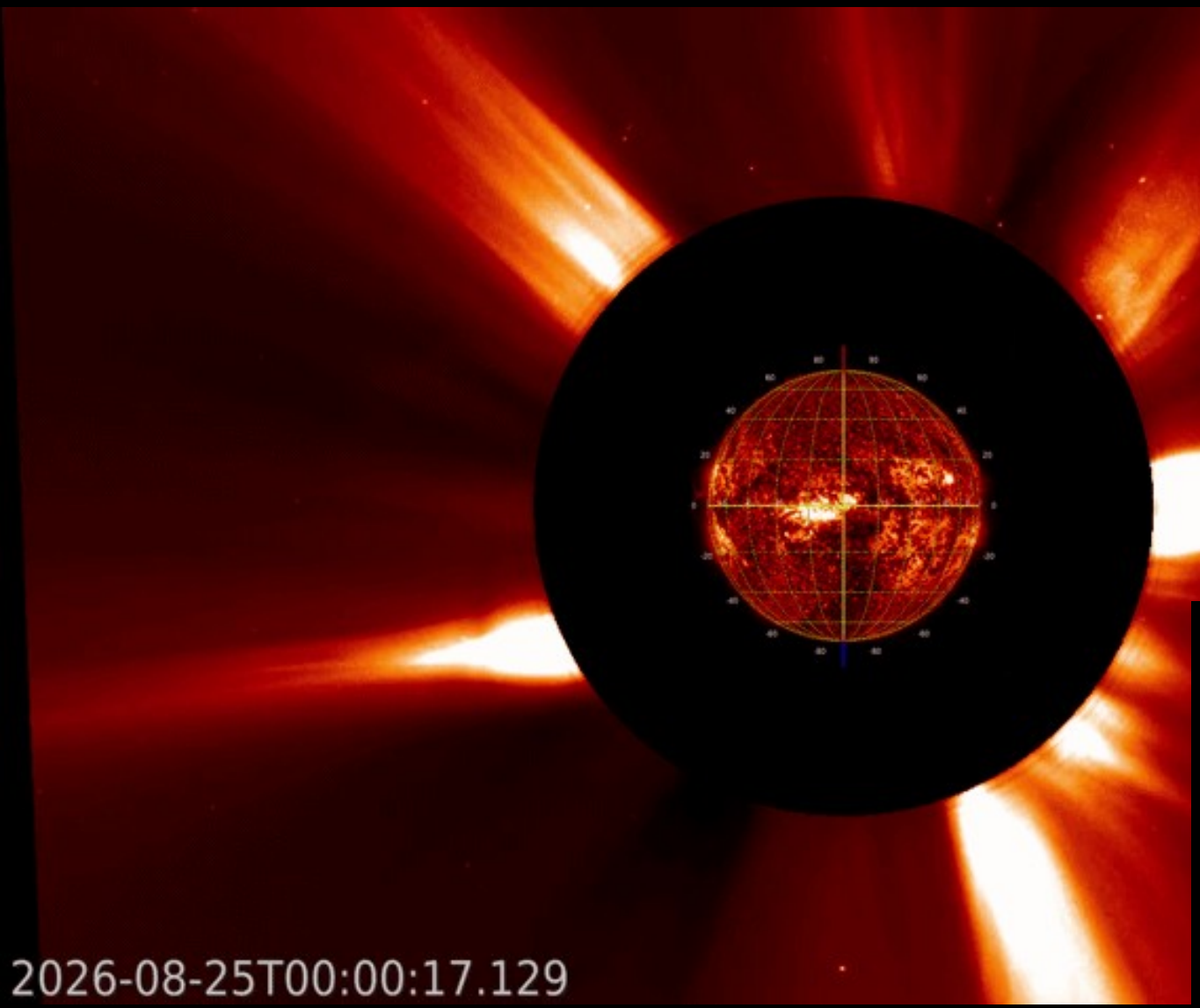
SIDC CME 715 (backsided)
When: 18:15 UTC on August 27

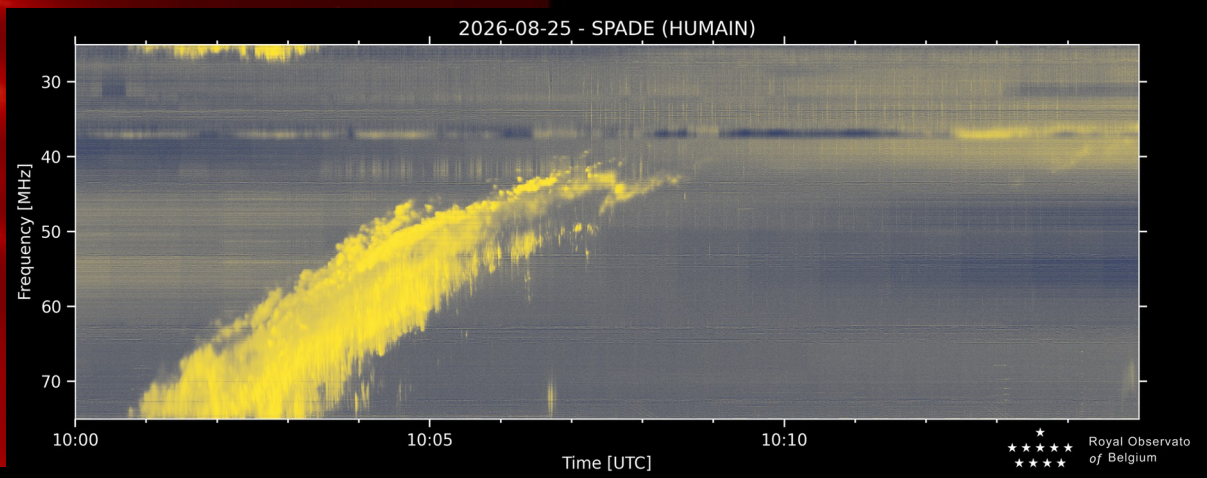




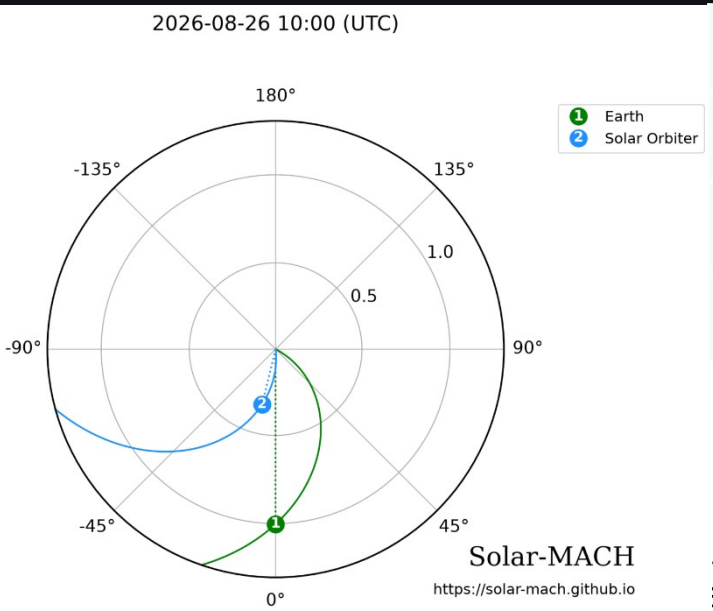
Coronal Mass Ejections Aug 25:

SIDC CME 714
When: 10:38 UTC on August 25
Associated with M6.9 flare, produced by SIDC SG 929 and
Type II radio emission
Prediction: glancing blow arrival 2026-08-28 15:00









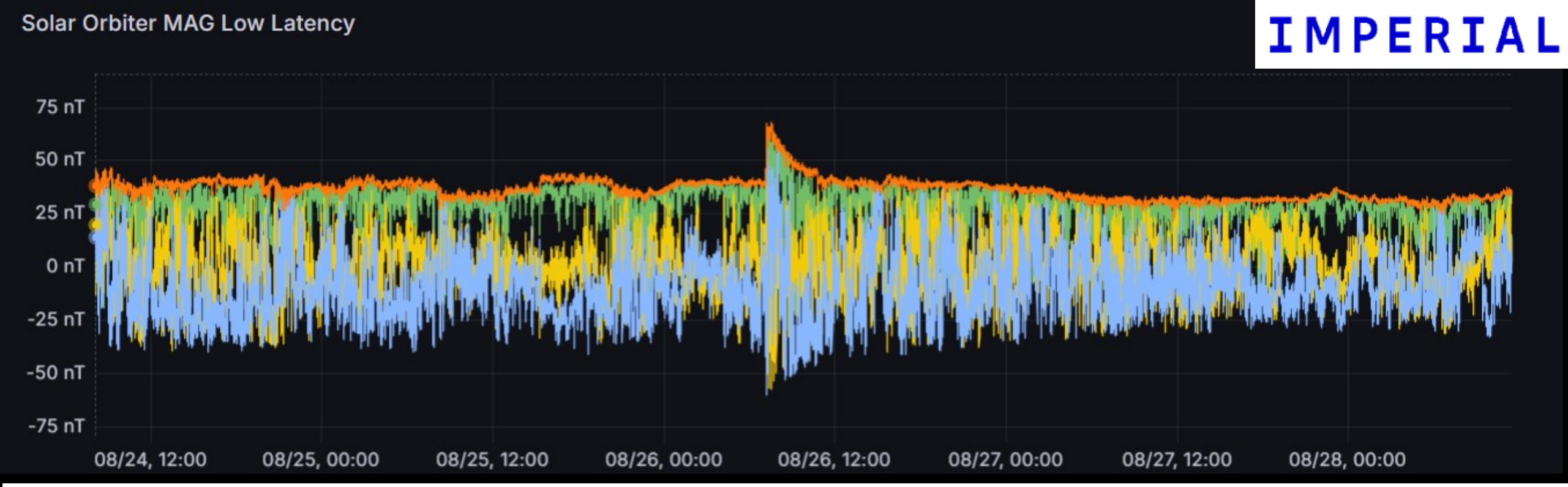
	Earth	Solar Orbiter	
Stonyhurst longitude [°]	-0.0	-13.8	
Stonyhurst latitude [°]	7.1	5.7	
Heliocent. distance [AU]	1.01	0.33	

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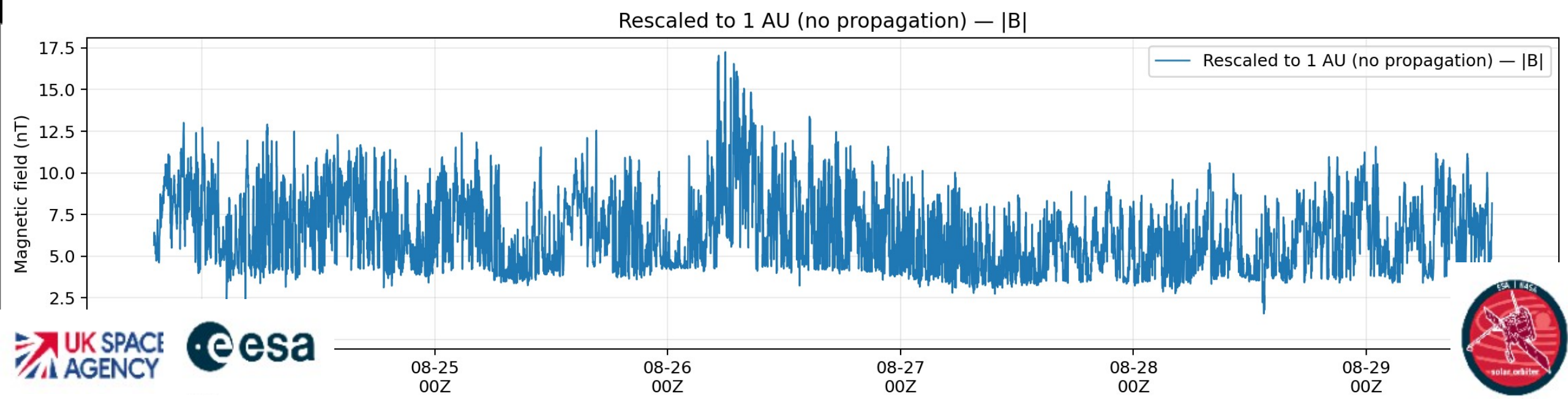
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Solar Orbiter is a mission of cooperation between ESA and NASA. Science quality data are available from the ESA Solar Orbiter public archive at soar.esa.int . The Solar Orbiter magnetometer was designed, built and operated by Imperial College London and funded by the UK Space Agency.



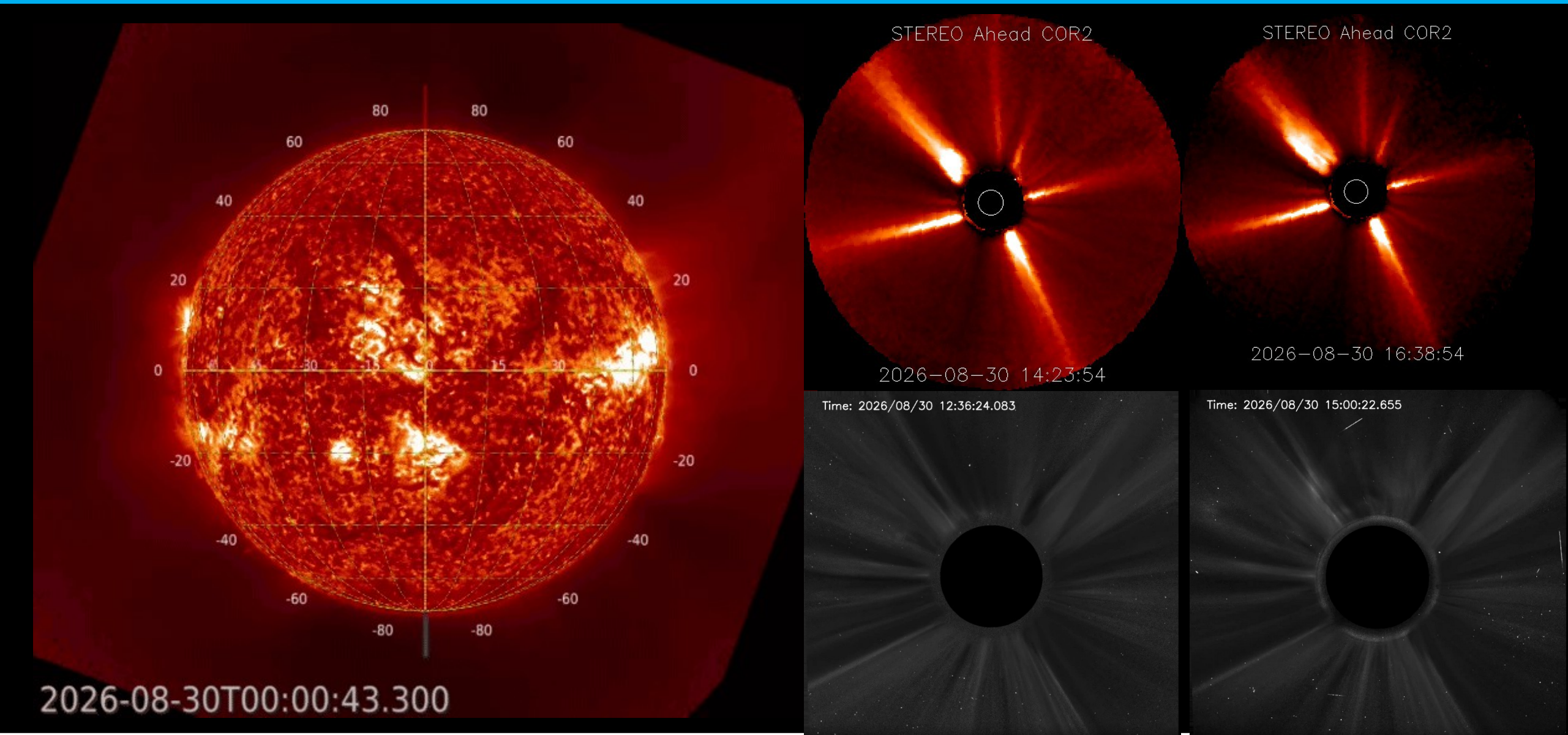
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Coronal Mass Ejections Aug 30:



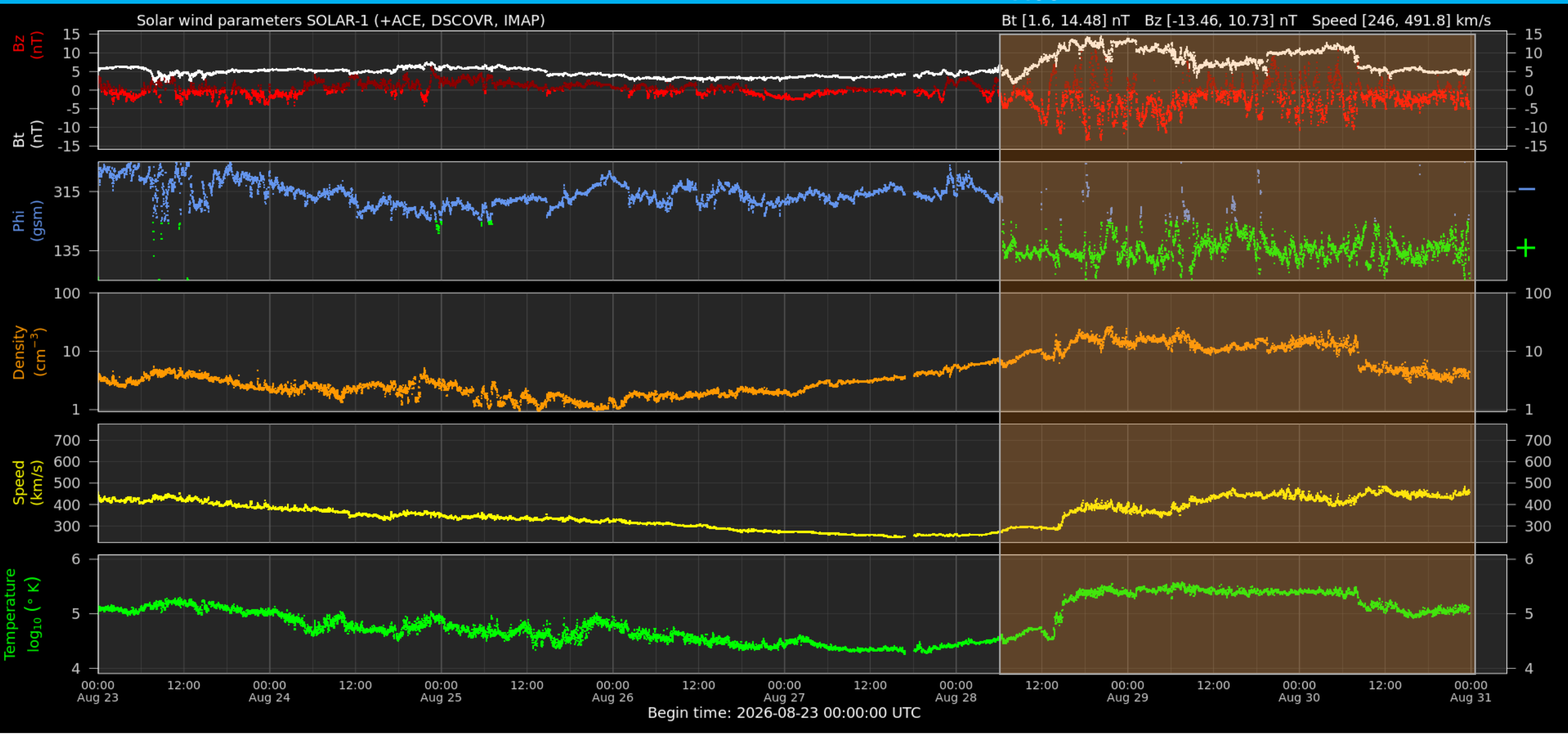
Solar Wind and

Geomagnetic Activity

Royal Observatory
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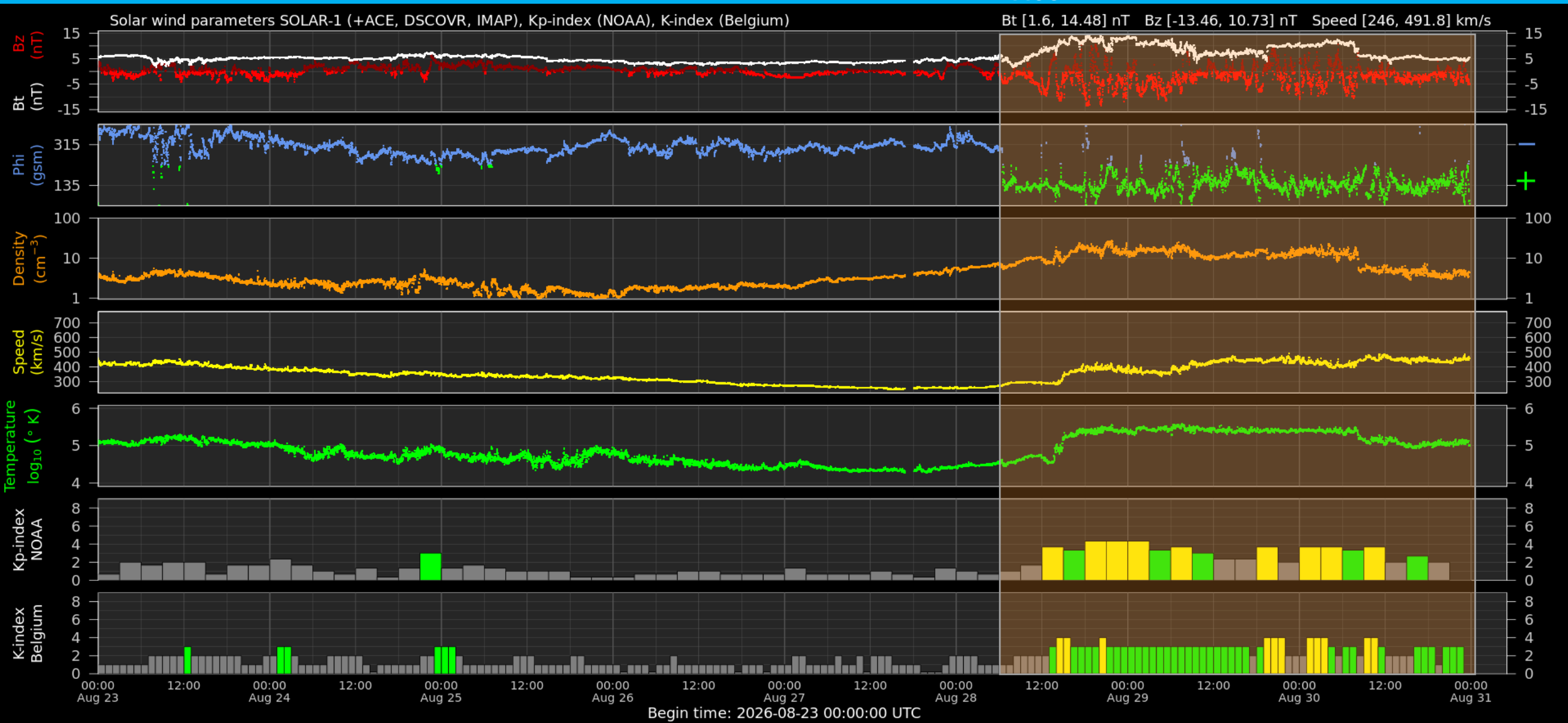
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Solar wind parameters

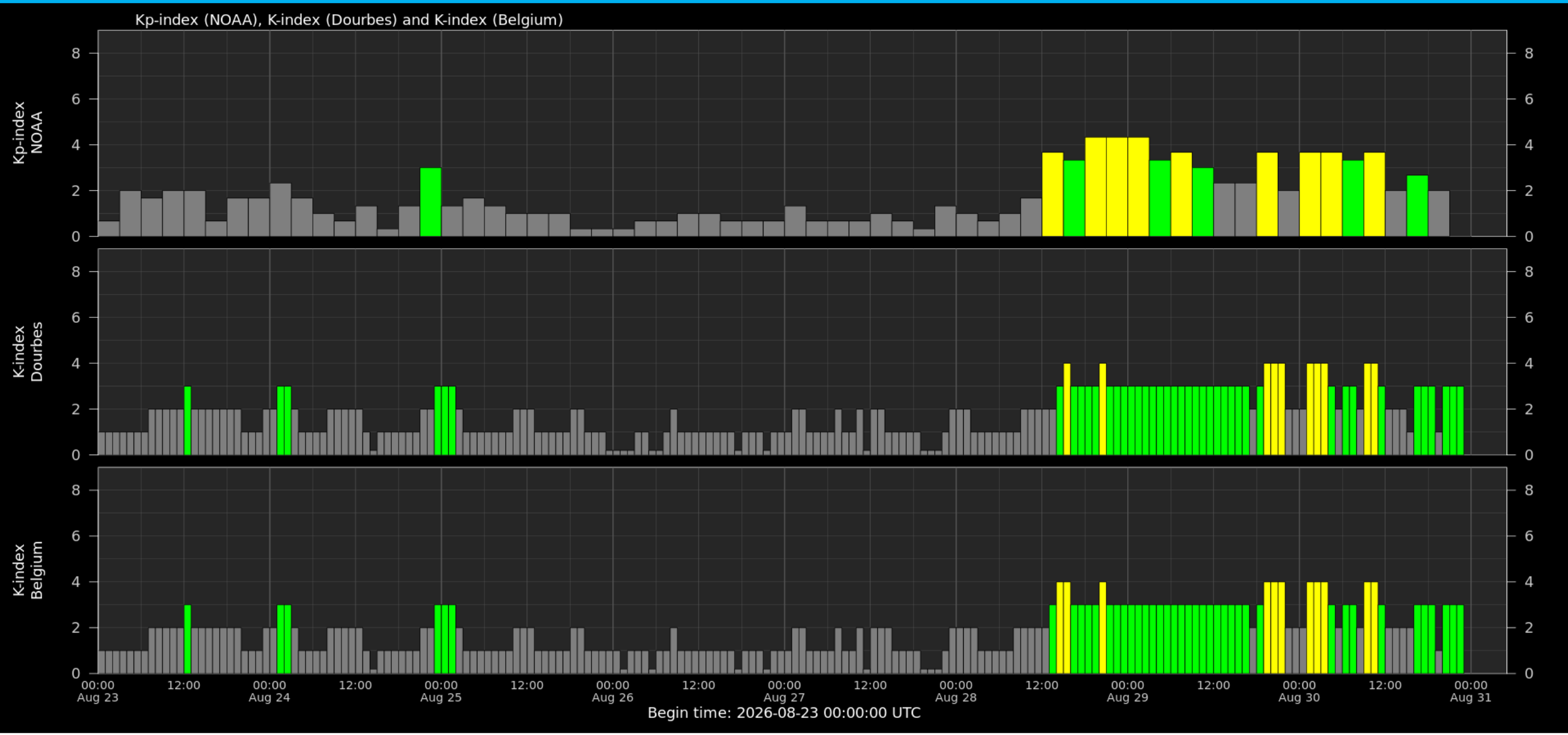


Solar wind parameters & K-indices

HSS



Geomagnetic activity (K-indexes)



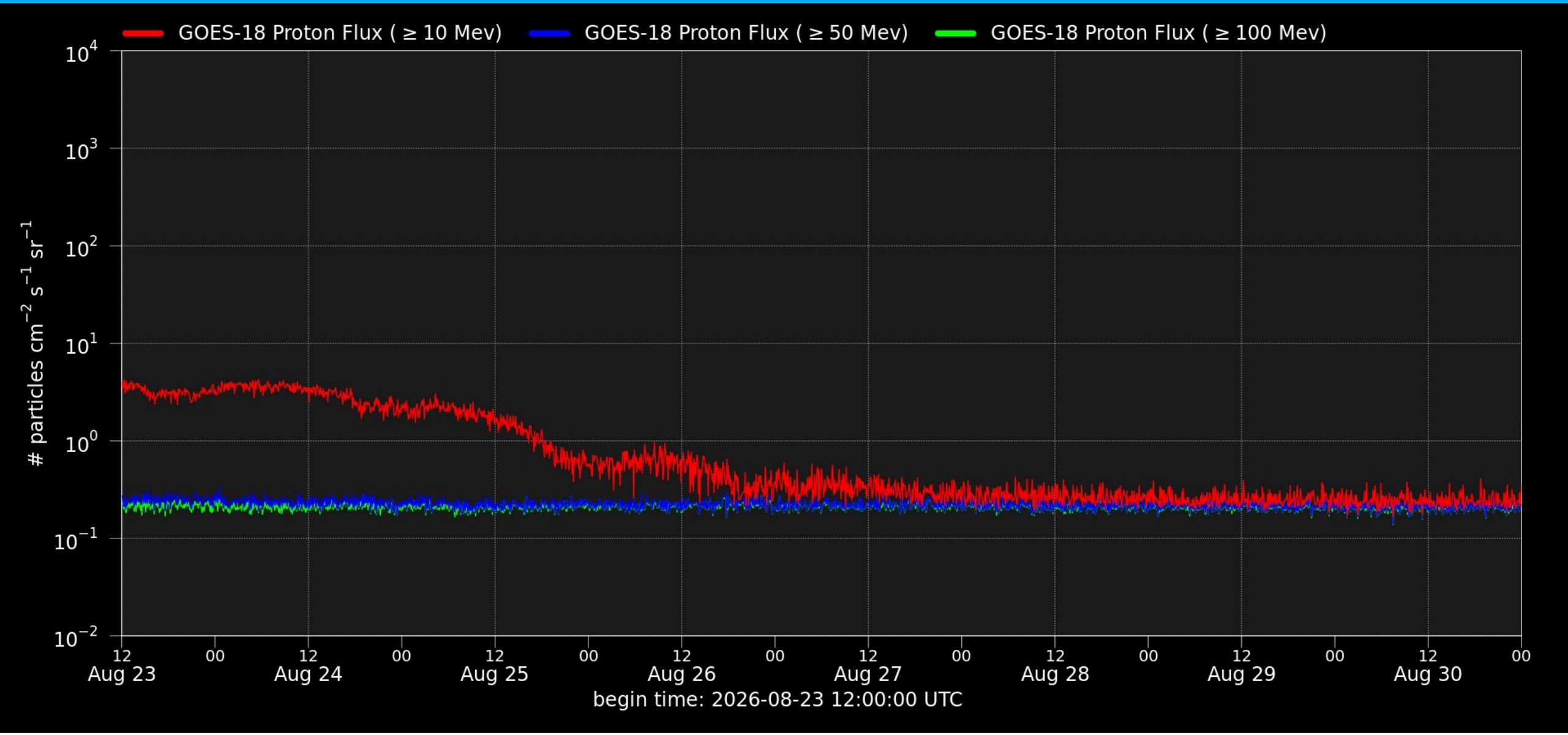
Energetic Particles



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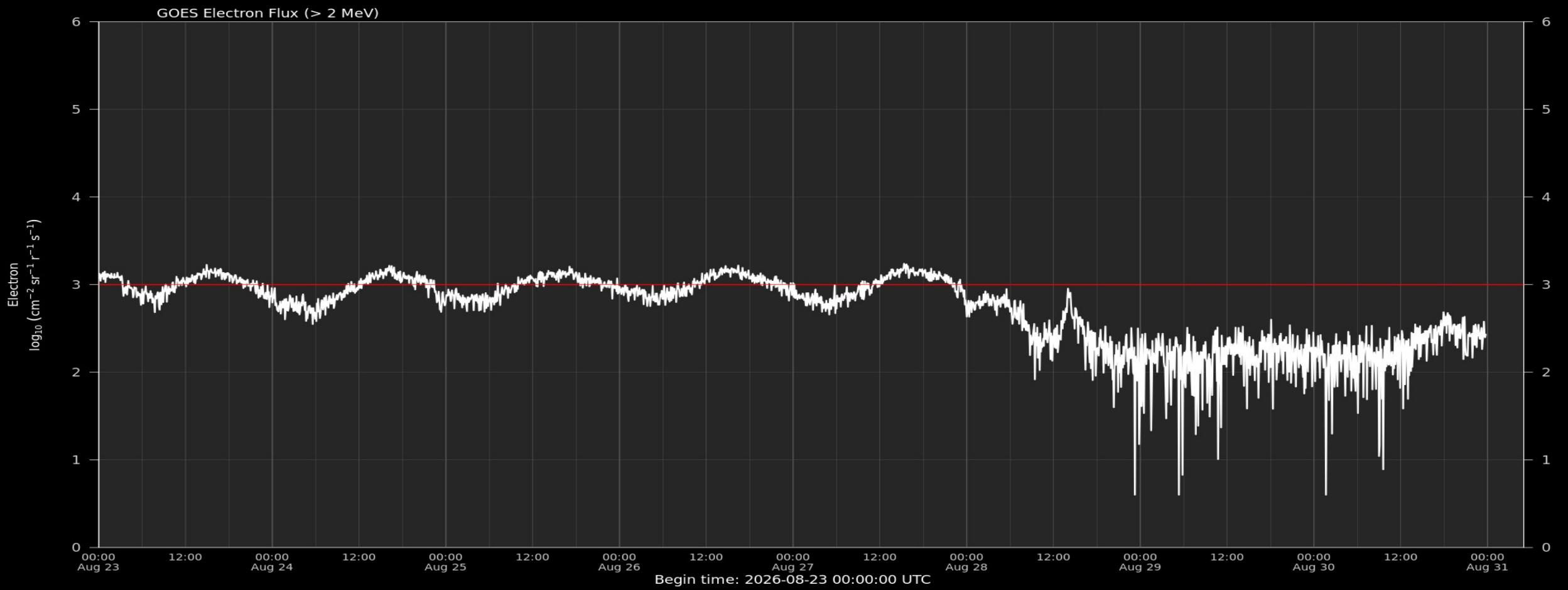
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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

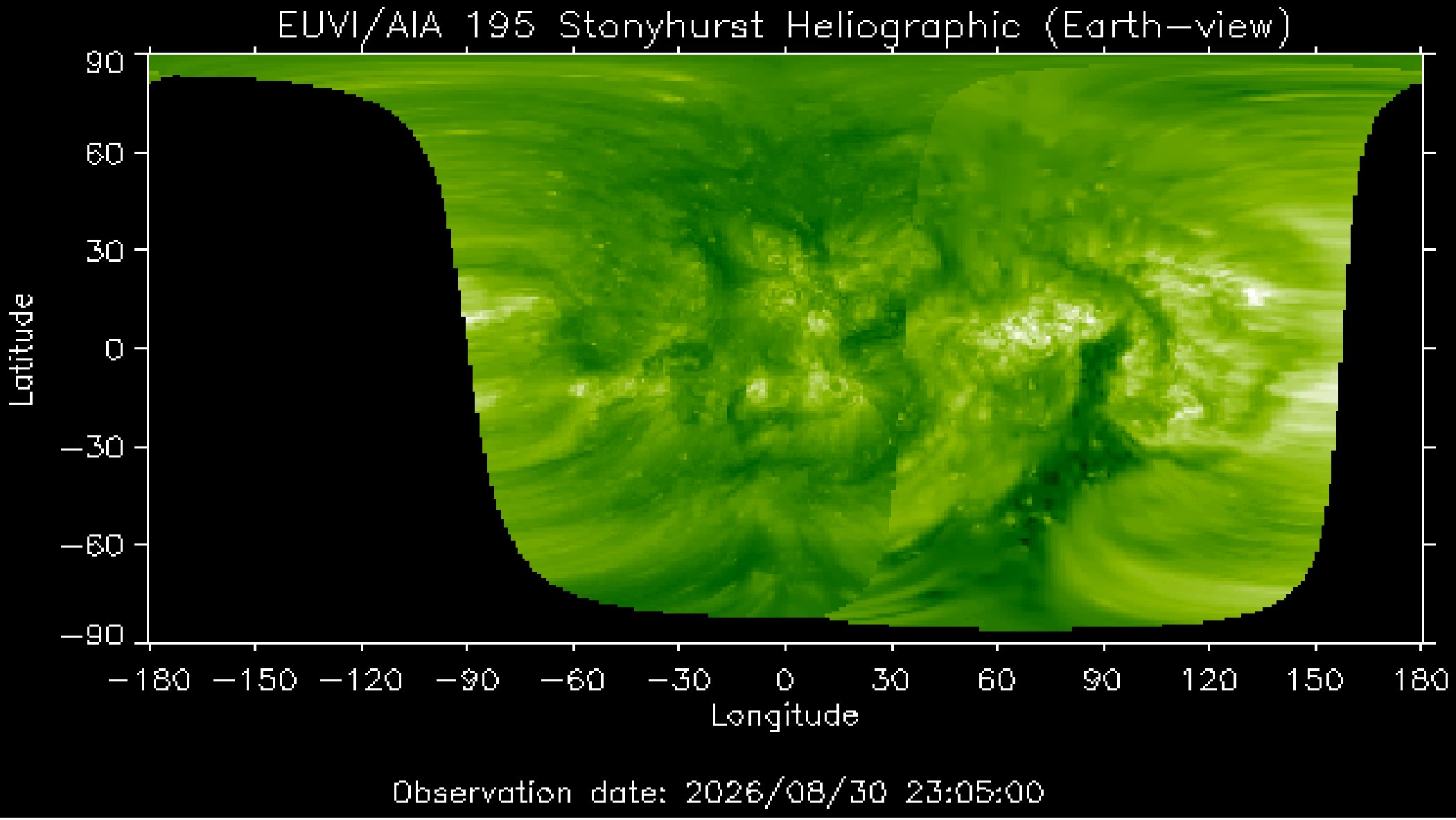


Outlook

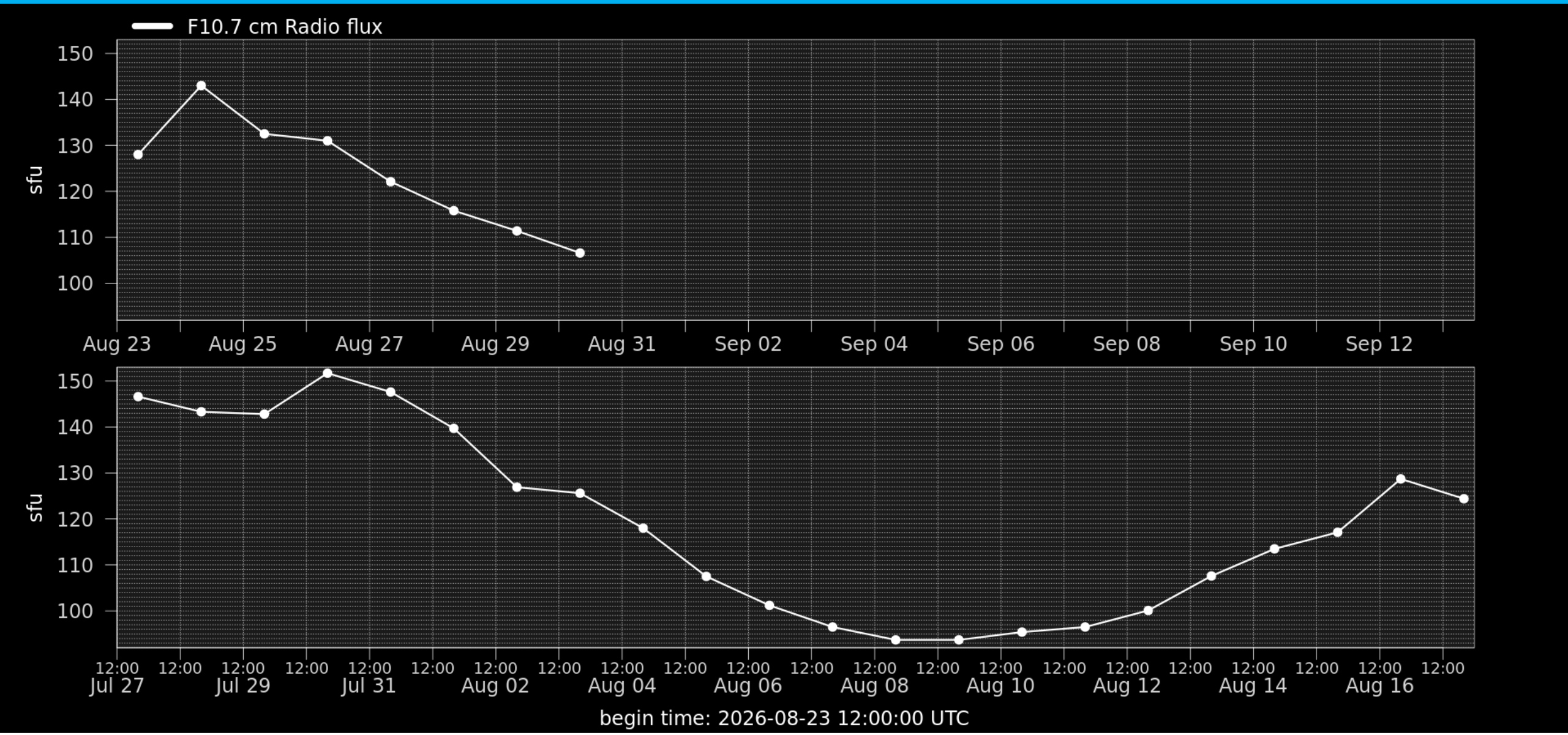
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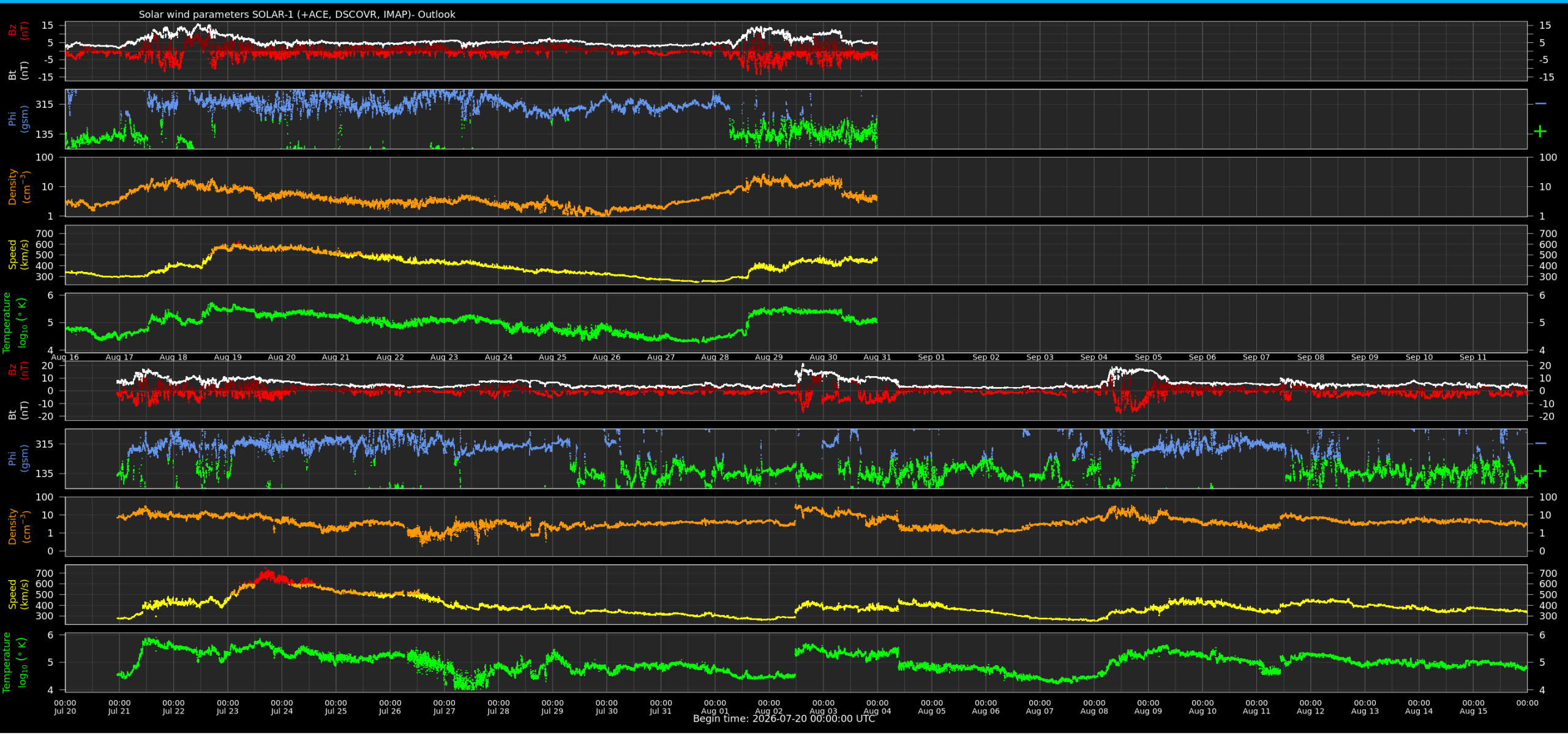
Outlook: Solar activity



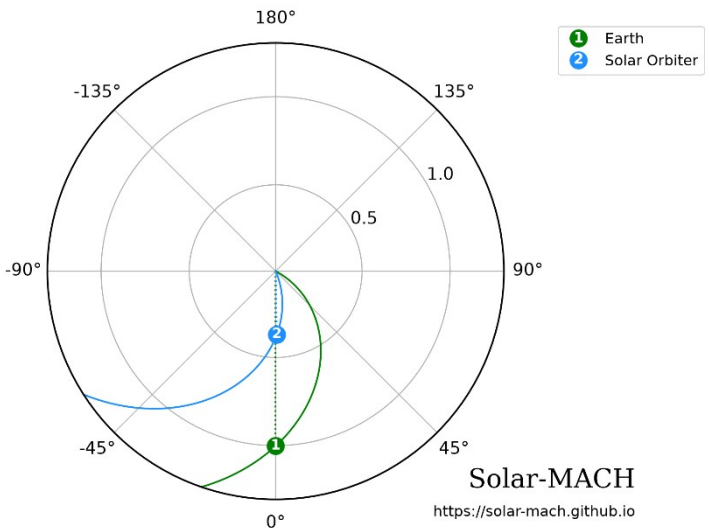
Outlook: Solar F10.7cm radio flux



Outlook: Solar wind parameters







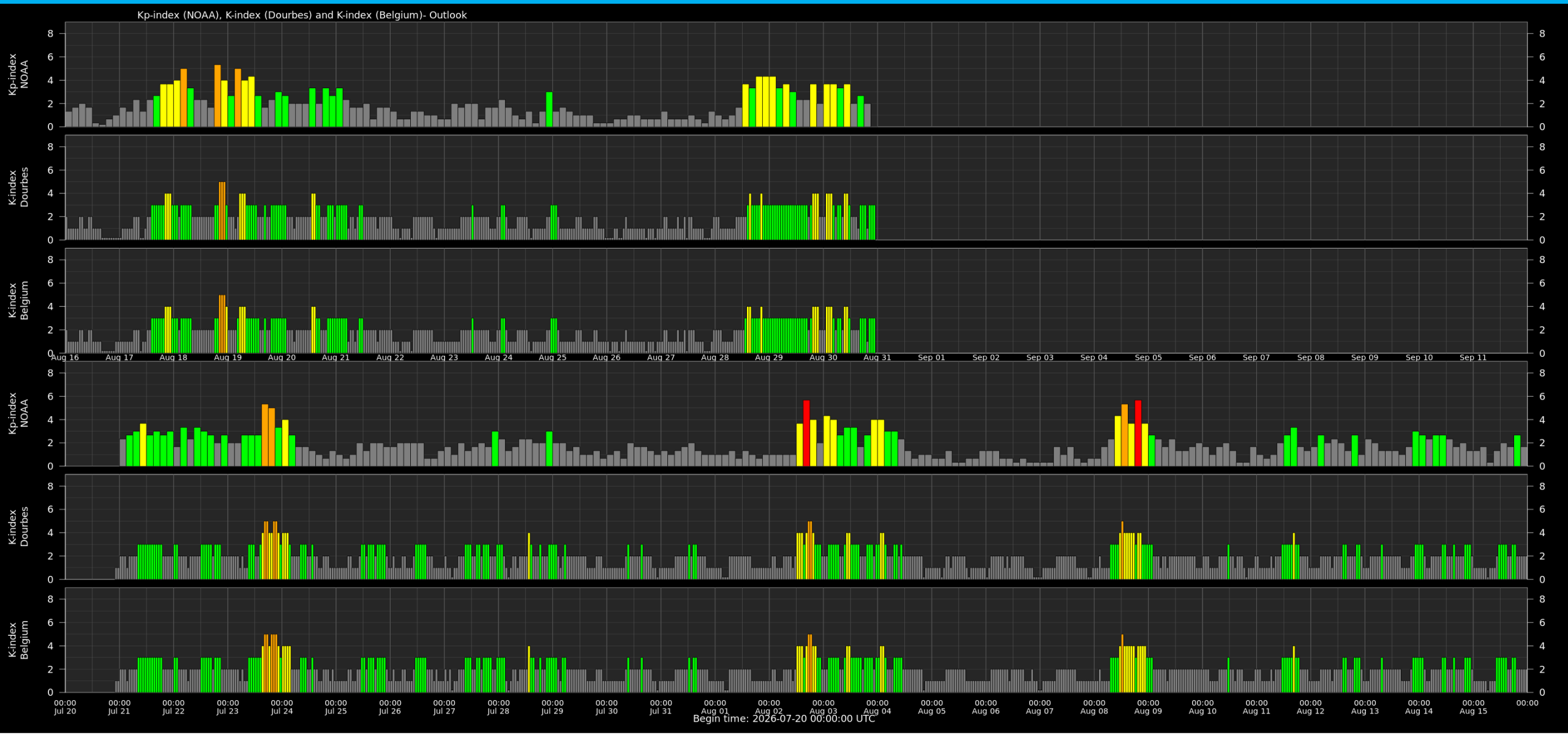
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Solar Orbiter is a mission of cooperation between ESA and NASA. Science quality data are available from the ESA Solar Orbiter public archive at soar.csa.int . The Solar Orbiter magnetometer was designed, built and operated by Imperial College London and funded by the UK Space Agency.

Outlook: Geomagnetic activity



Outlook: Electron Flux at GEO Outlook



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Pecasus related events

Primary Backup Center. No advisories were issued during this week

SIDC Space Weather Briefing

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