SIDC Space Weather Briefing

22 June 2026-28 June 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 2026-06-22 00:00 to 2026-06-28 23:59

Active regions	10 AR (SIDC SG 899/NOAA 4475 & SIDC 886/NOAA 4478)
Flares	# C-class flare: 36 # M-class flare: 0 # X-class flare: 0
Coronal Holes	3 CH - , 1 CH+
CMEs	1 CME with Earth directed component

Proton flux	Below 10 pfu threshold
Electron flux	Above 1000 pfu threshold since June 26

Solar wind and geomagnetic conditions

ICMEs	No ICME arrival
Solar wind conditions	|B|: 0.83 - 12 nT// Bz: -10.64 nT to 11.04 nT// Speed: 316.5 - 725 km/s
Geomagnetic conditions	max KBel: 4.0, max Kp(NOAA): 5.0, Minor Storm conditions

All Quiet Alert: Not all quiet

Solar Activity

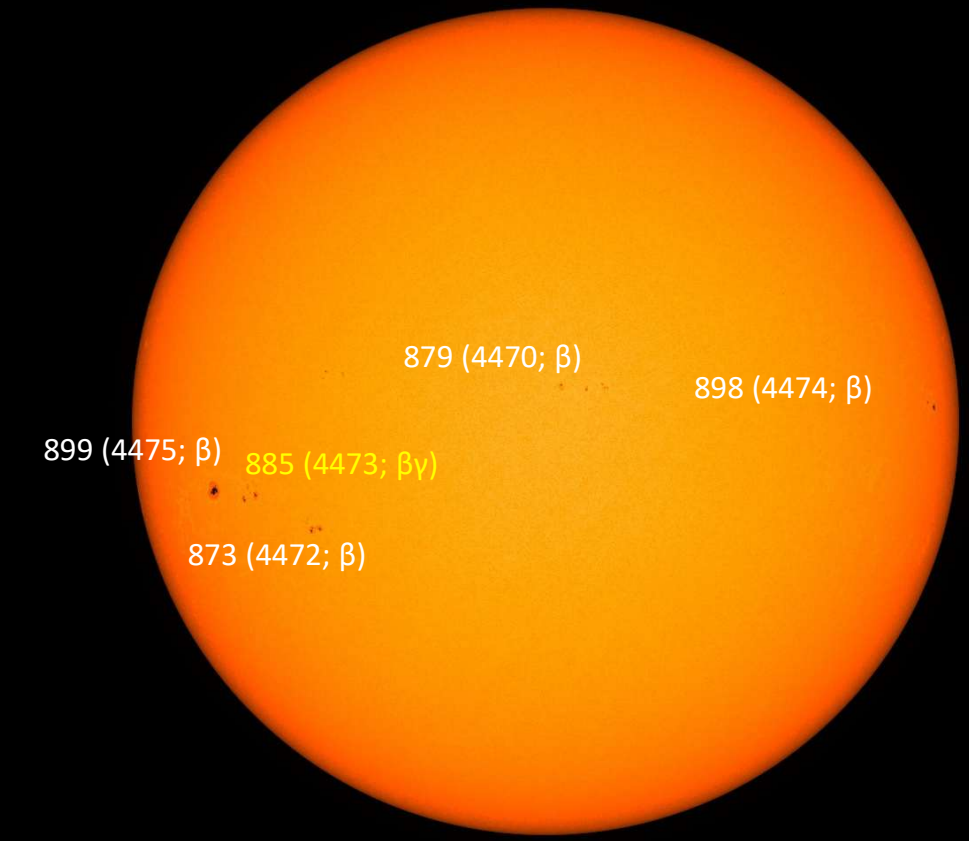


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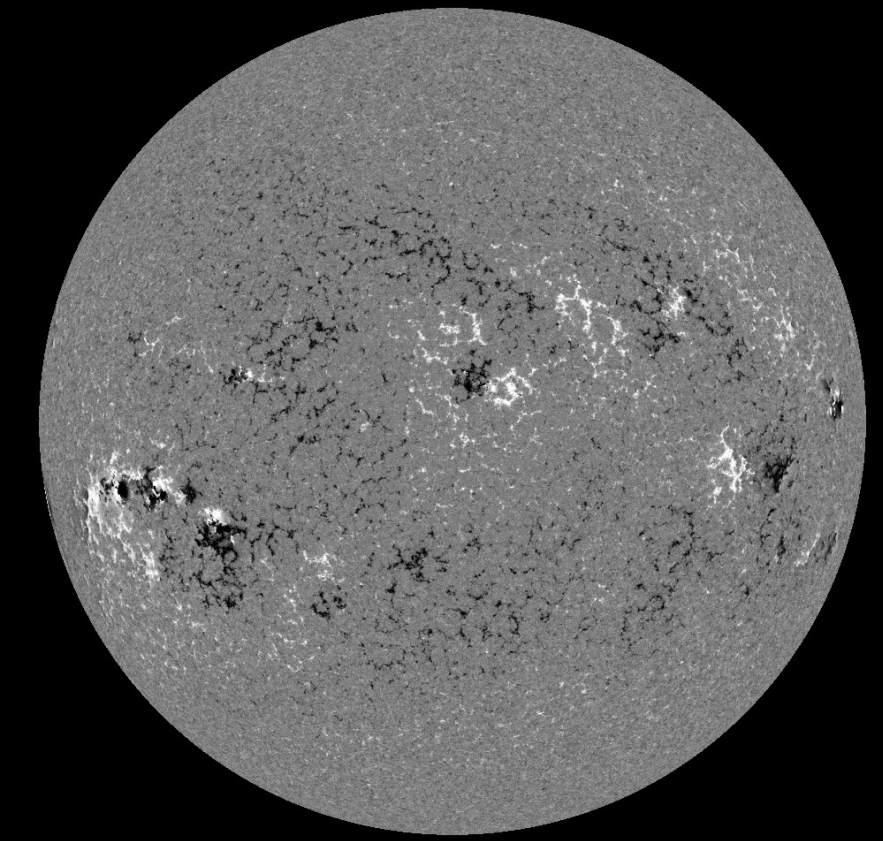
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Solar active regions

SDO/HMI White Light 2026-06-22

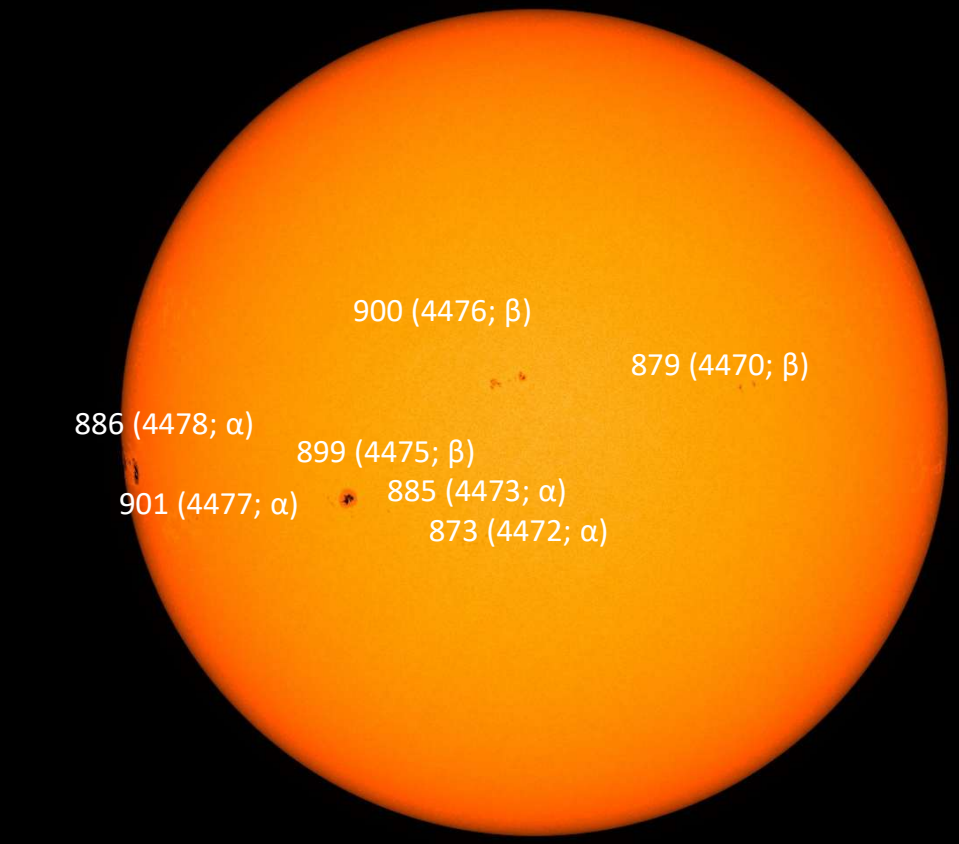


SDO/HMI Magnetogram 2026-06-22

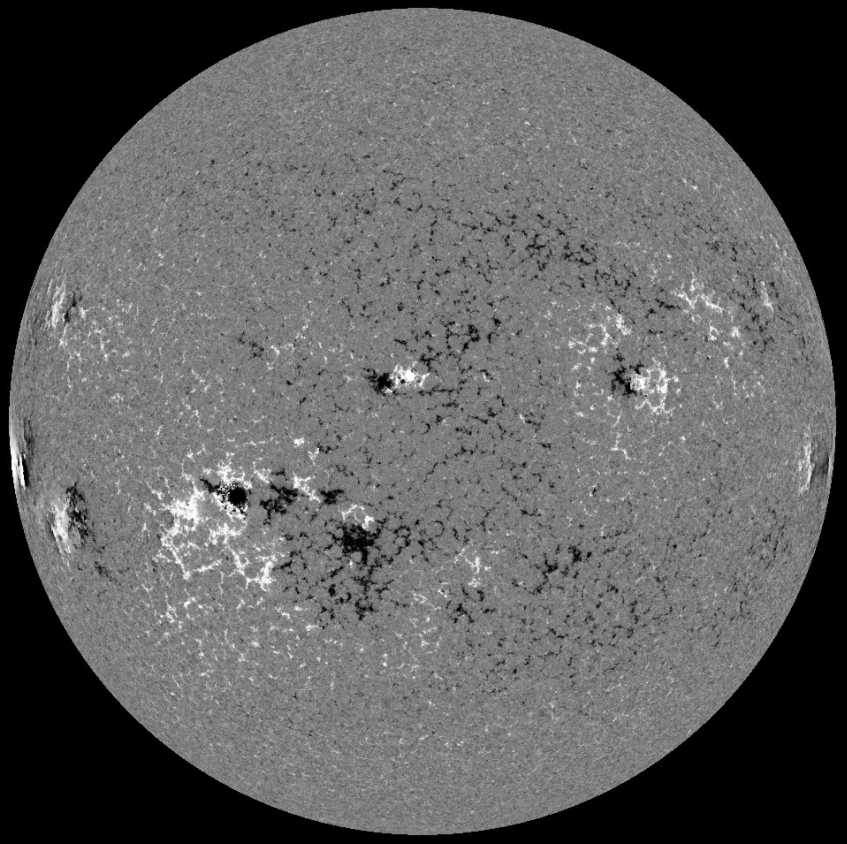


Solar active regions

SDO/HMI White Light 2026-06-24

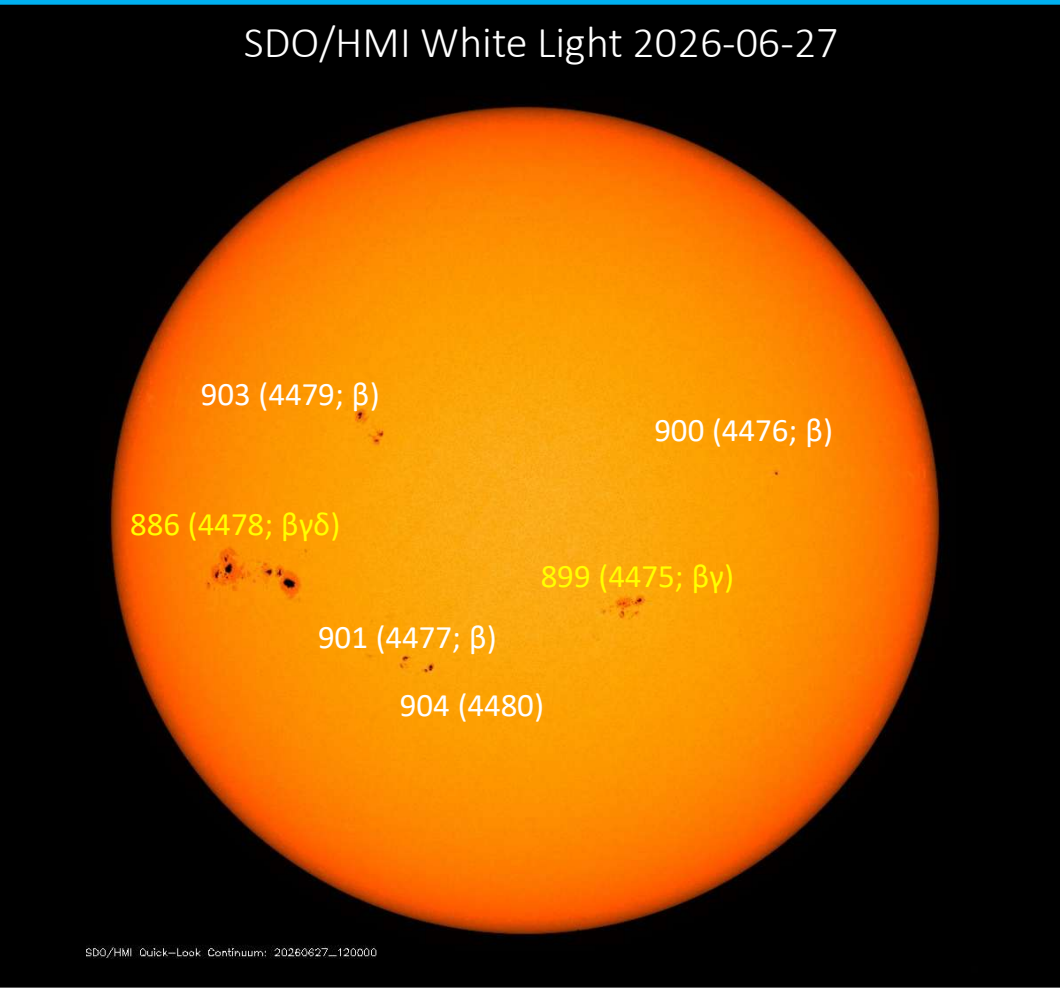


SDO/HMI Magnetogram 2026-06-24

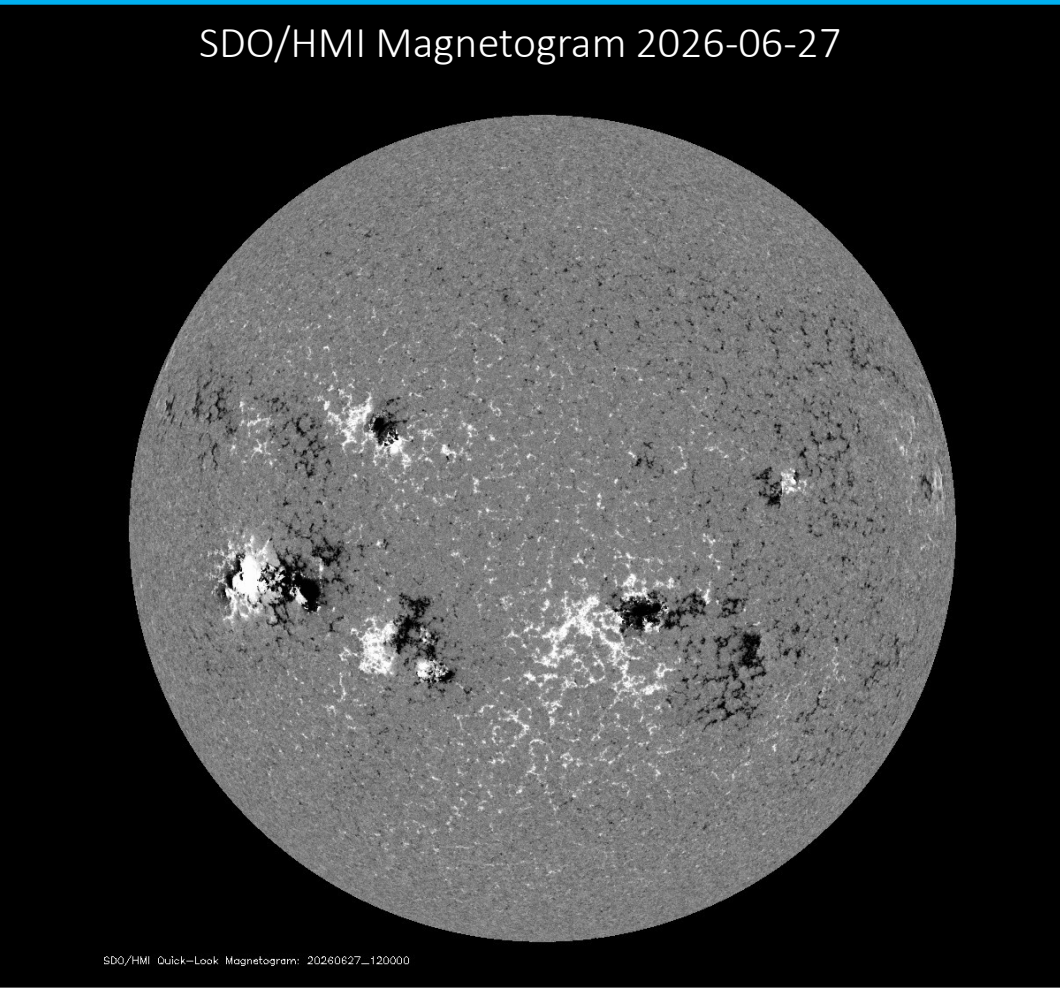


Solar active regions

SDO/HMI White Light 2026-06-27

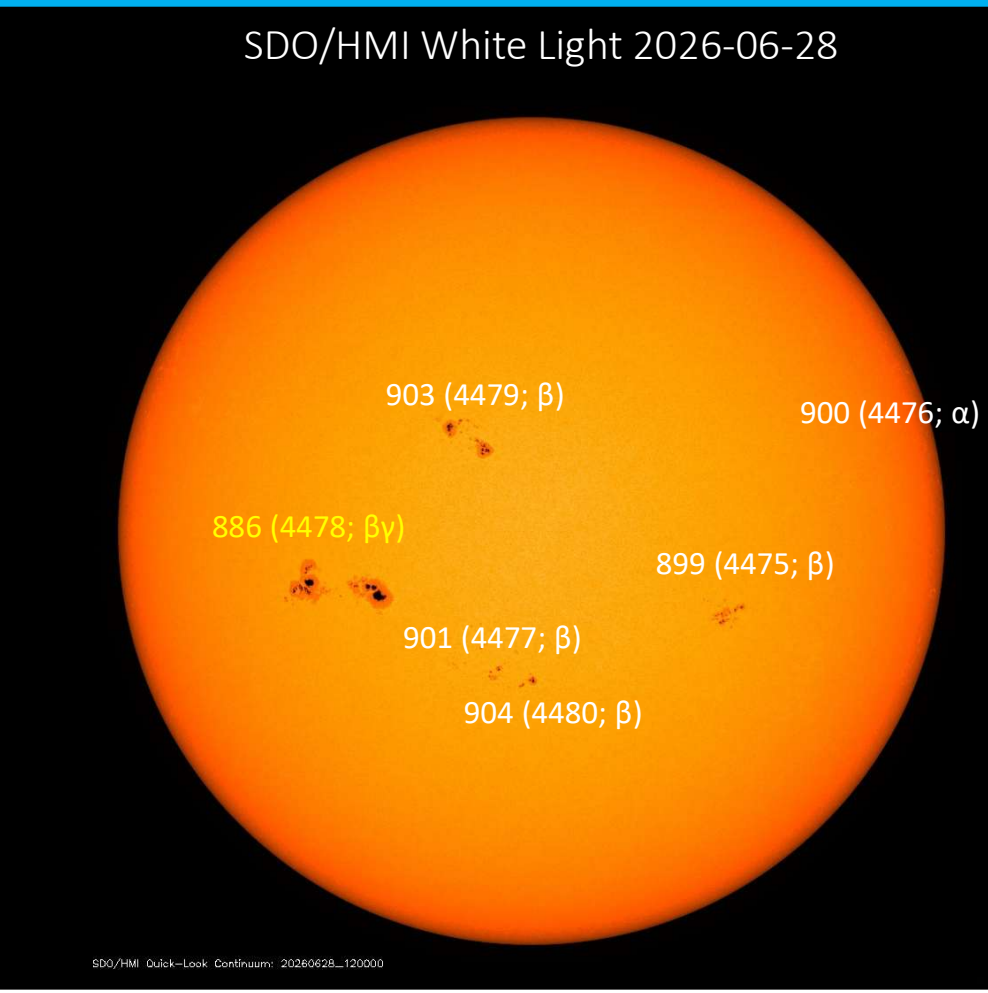


SDO/HMI Magnetogram 2026-06-27

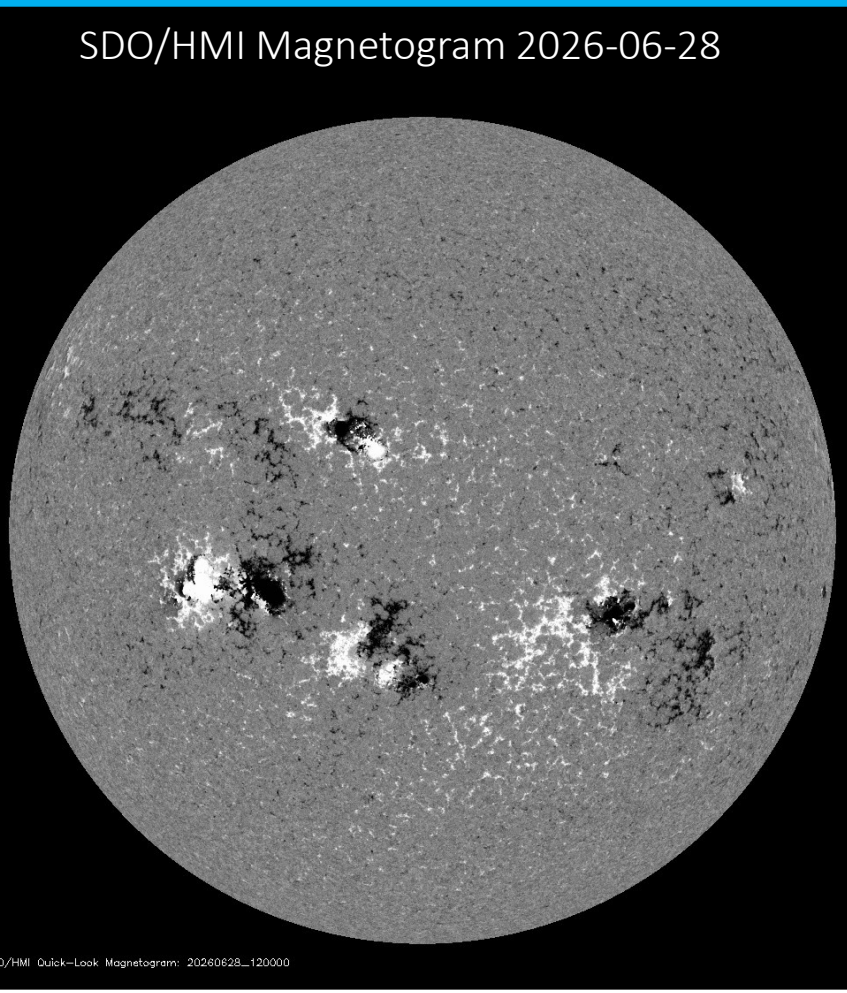


Solar active regions

SDO/HMI White Light 2026-06-28

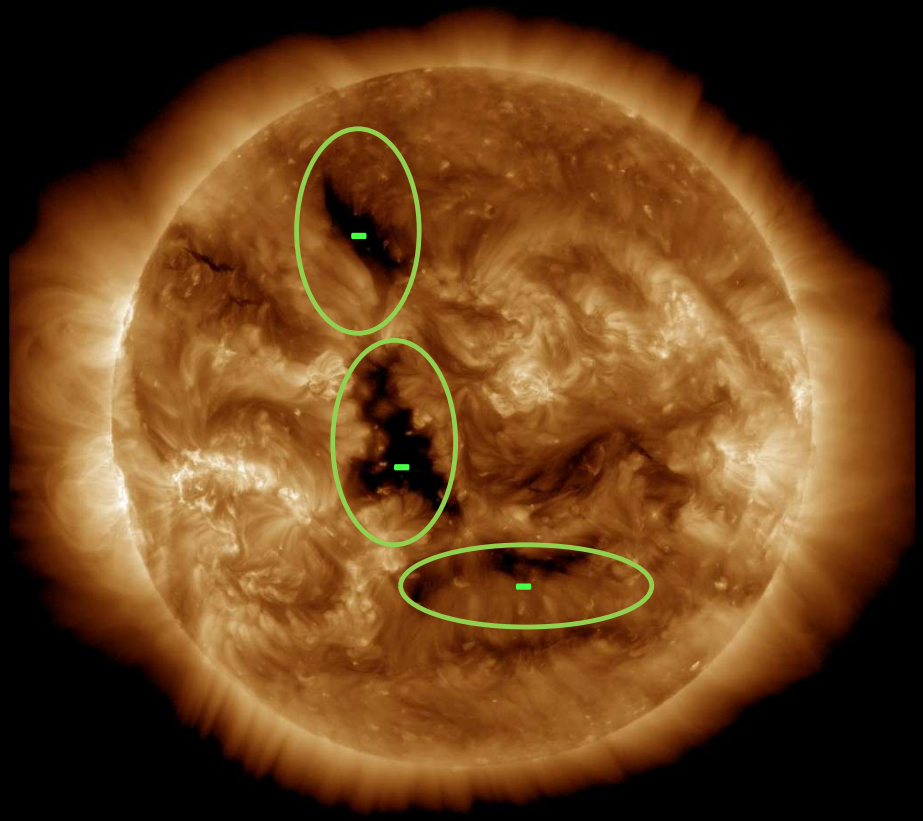


SDO/HMI Magnetogram 2026-06-28

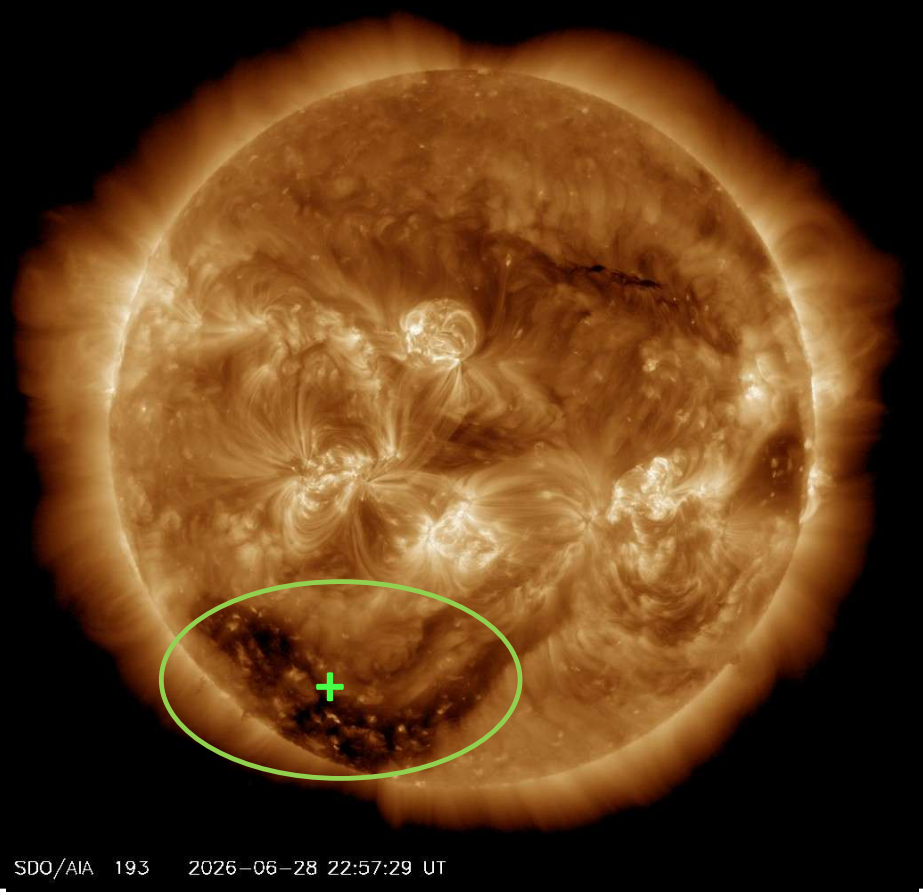


Coronal holes

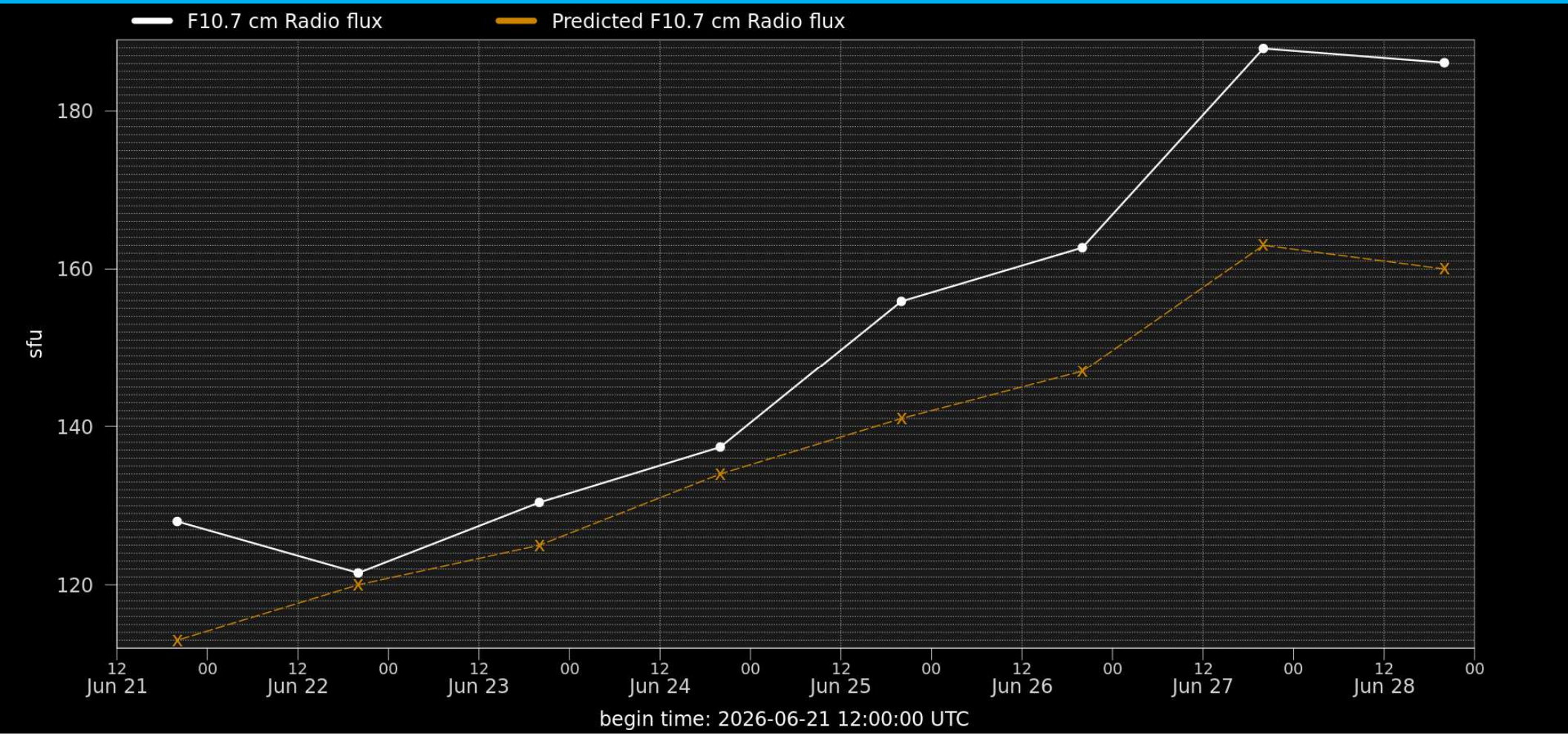
SDO/AIA 19.3 nm 2026-06-22



SDO/AIA 19.3 nm 2026-06-28

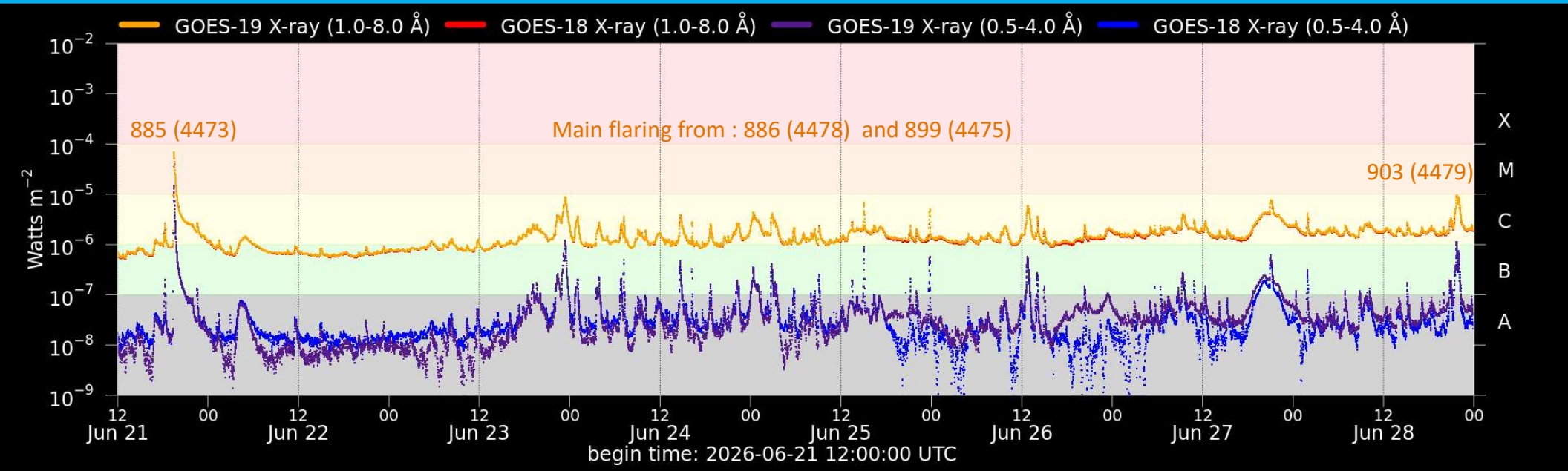


Solar F10.7cm radio flux



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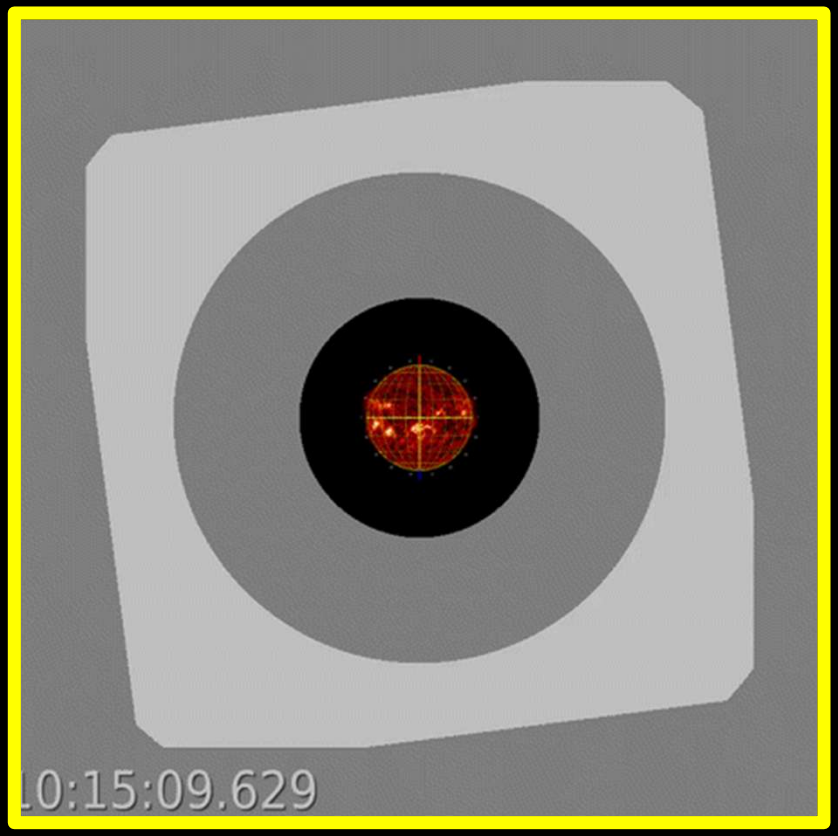
Flaring activity

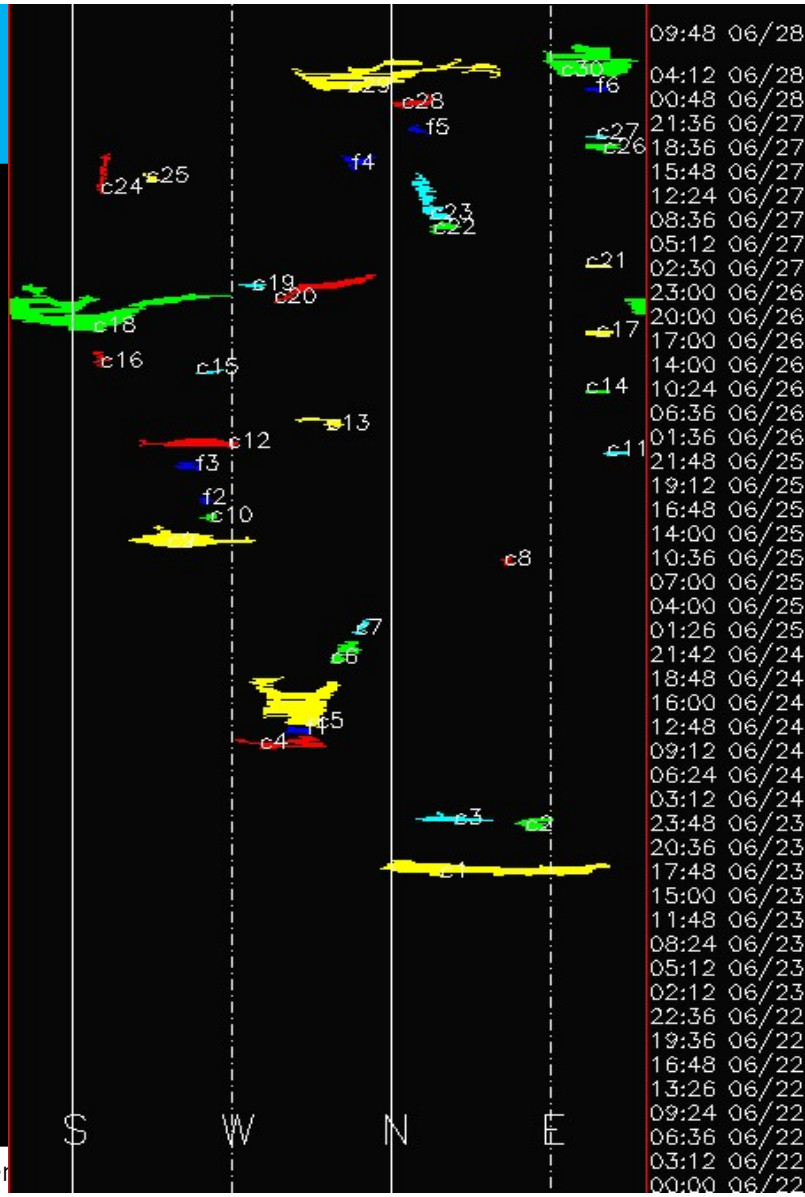


Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

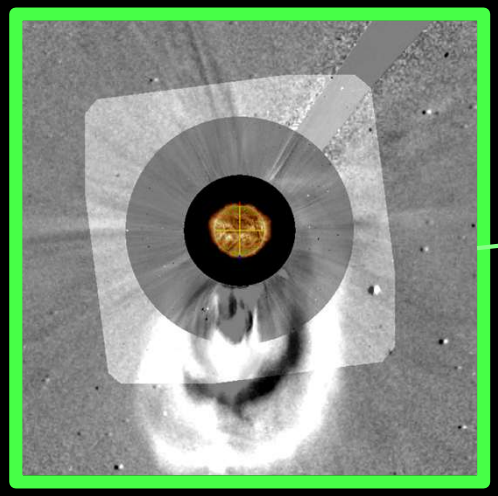
Issue date	2026-06-21	2026-06-22	2026-06-23	2026-06-24	2026-06-25	2026-06-26	2026-06-27	2026-06-28
Probability (%)	97|63|15	95|44|01	69|13|01	68|16|01	86|28|01	99|95|26	99|96|24	99|80|06
Observed (#)	02|01|00	00|00|00	07|00|00	08|00|00	06|00|00	06|00|00	03|00|00	04|00|00

Coronal Mass Ejections

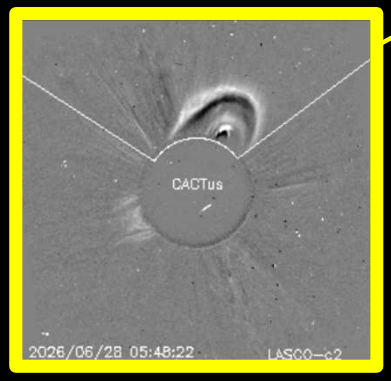


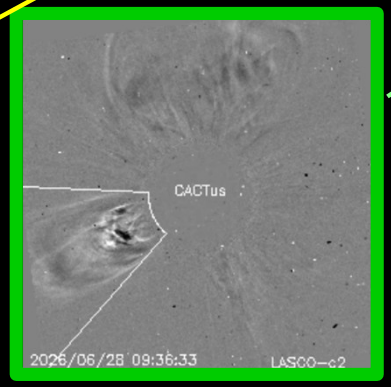


Coronal Mass Ejections

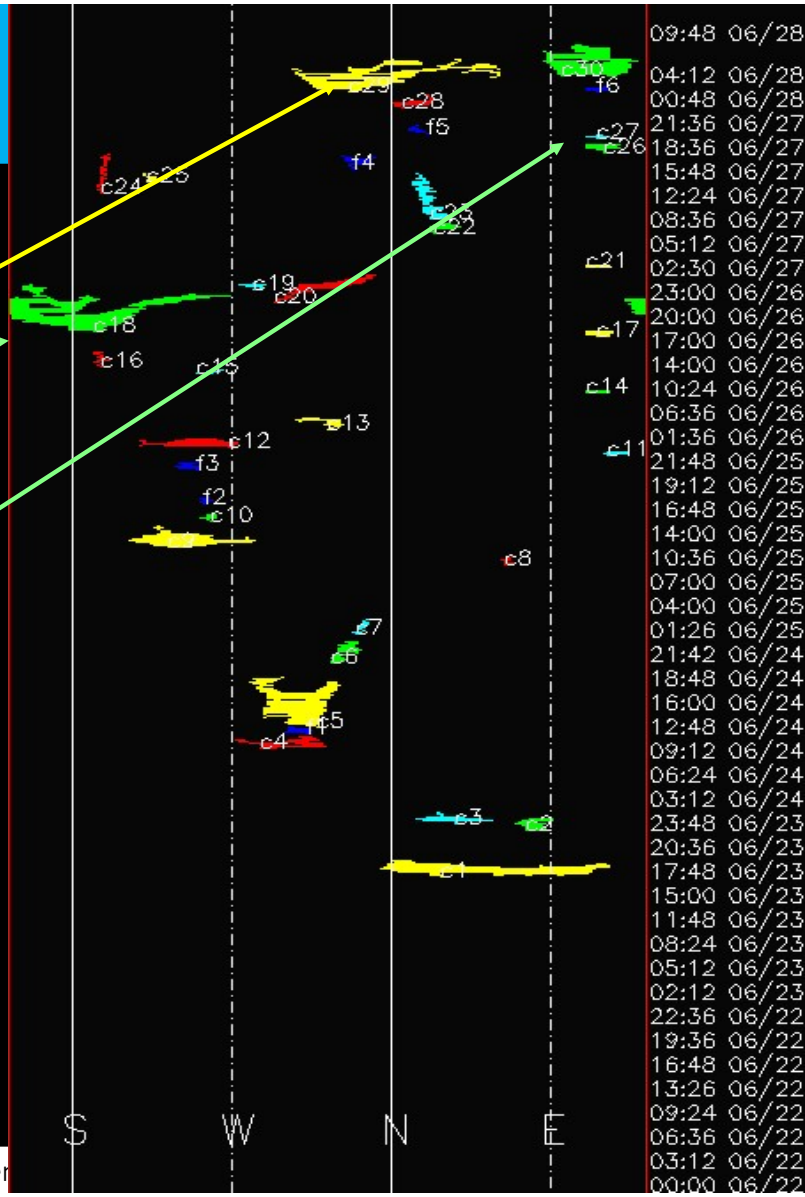


CME first seen in Lasco C2 June 26 21:15 UTC mainly south but small Earth directed component.





CME first seen in Lasco C2 on June 28 05:45 UTC: Not Earth Directed



Solar Wind and

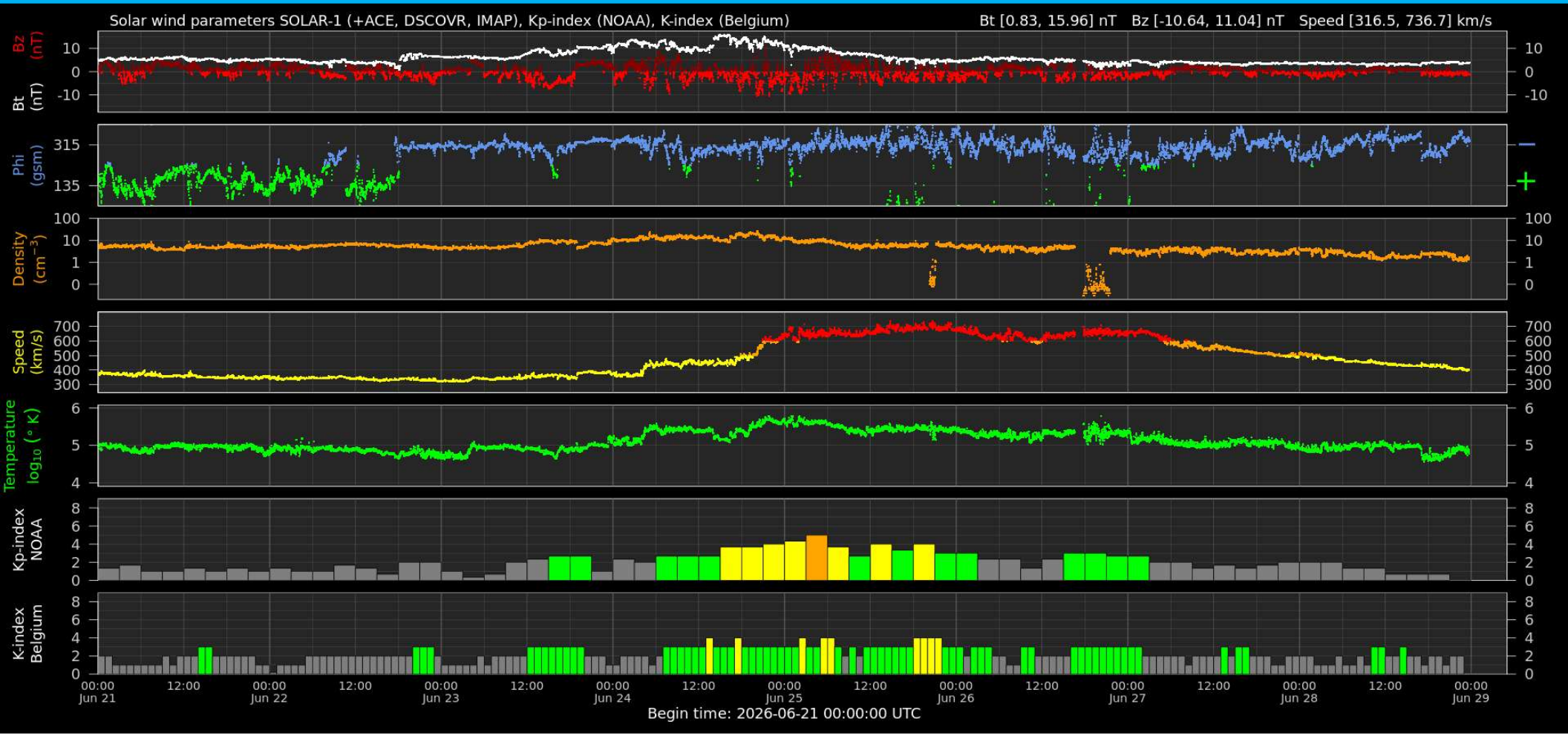
Geomagnetic Activity



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Solar wind parameters & K-indices



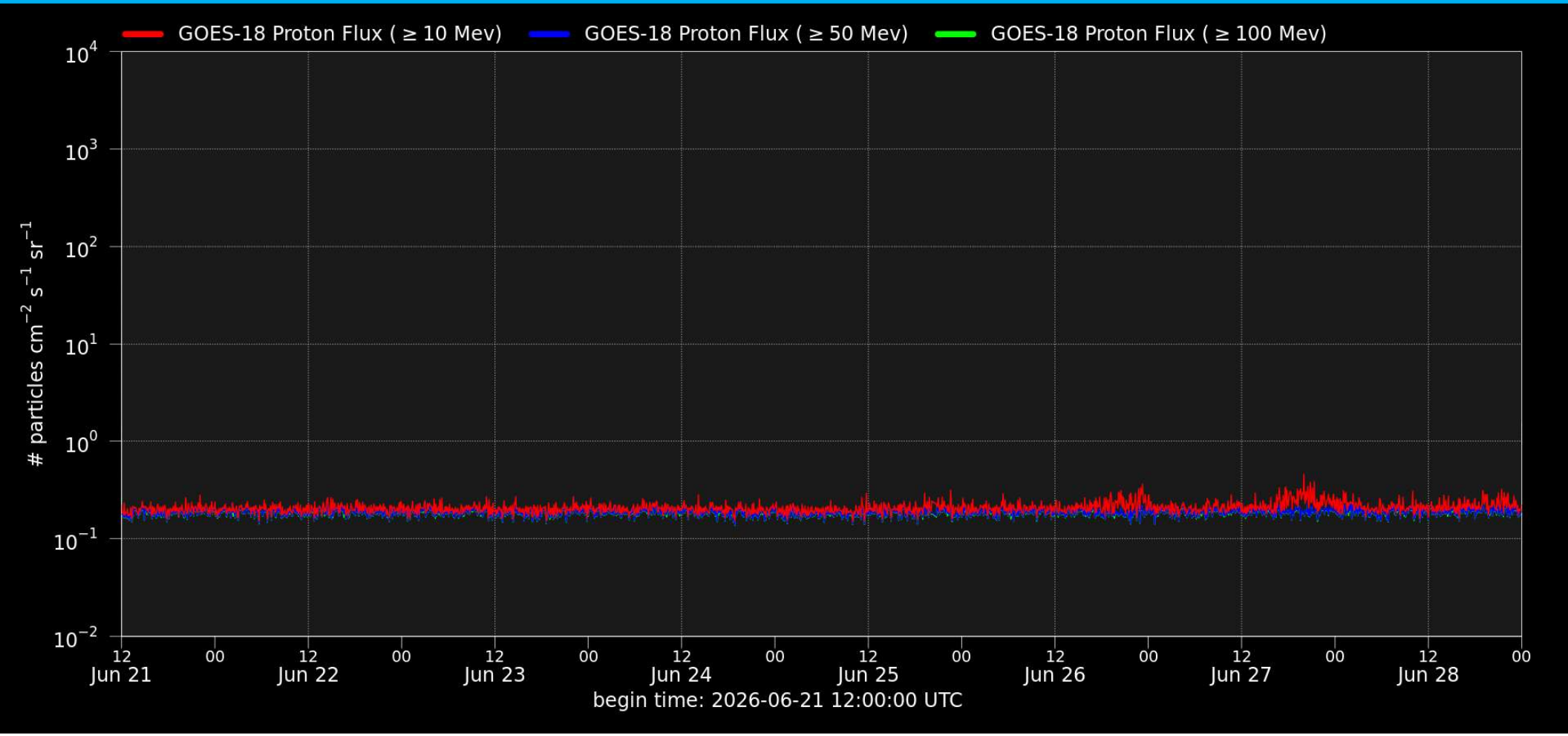
Energetic Particles



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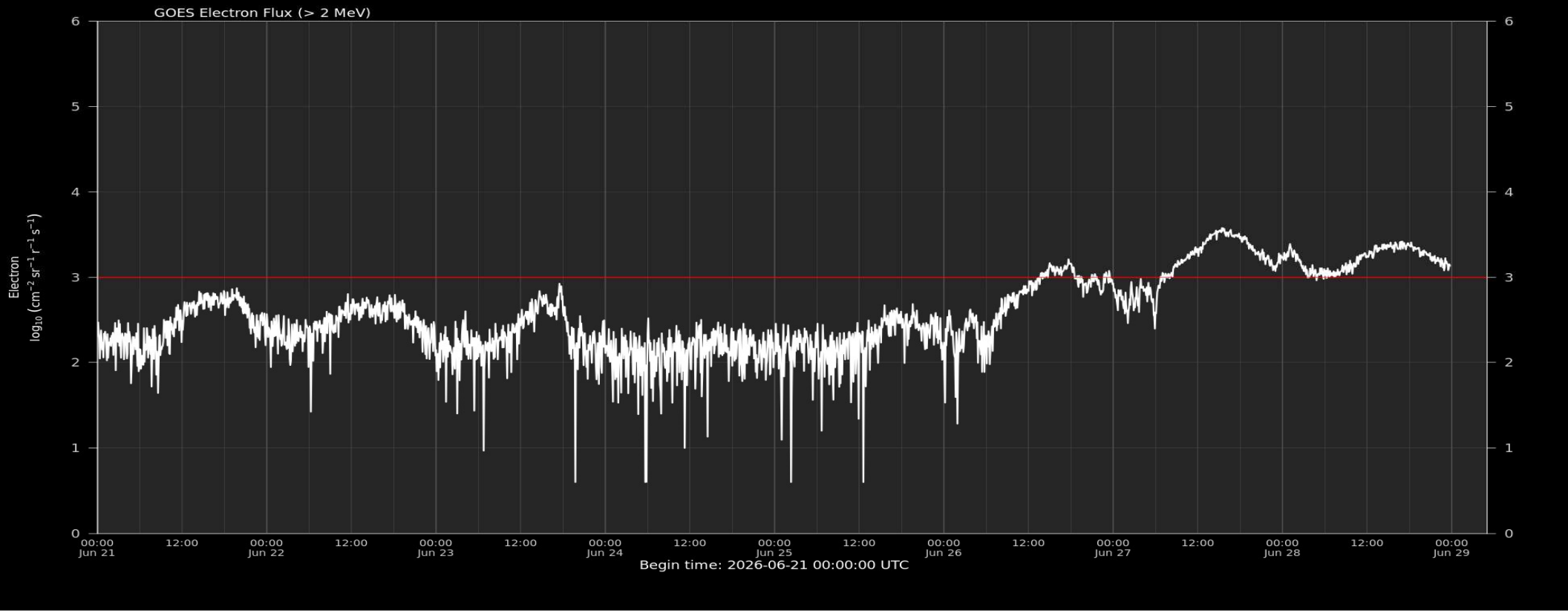
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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

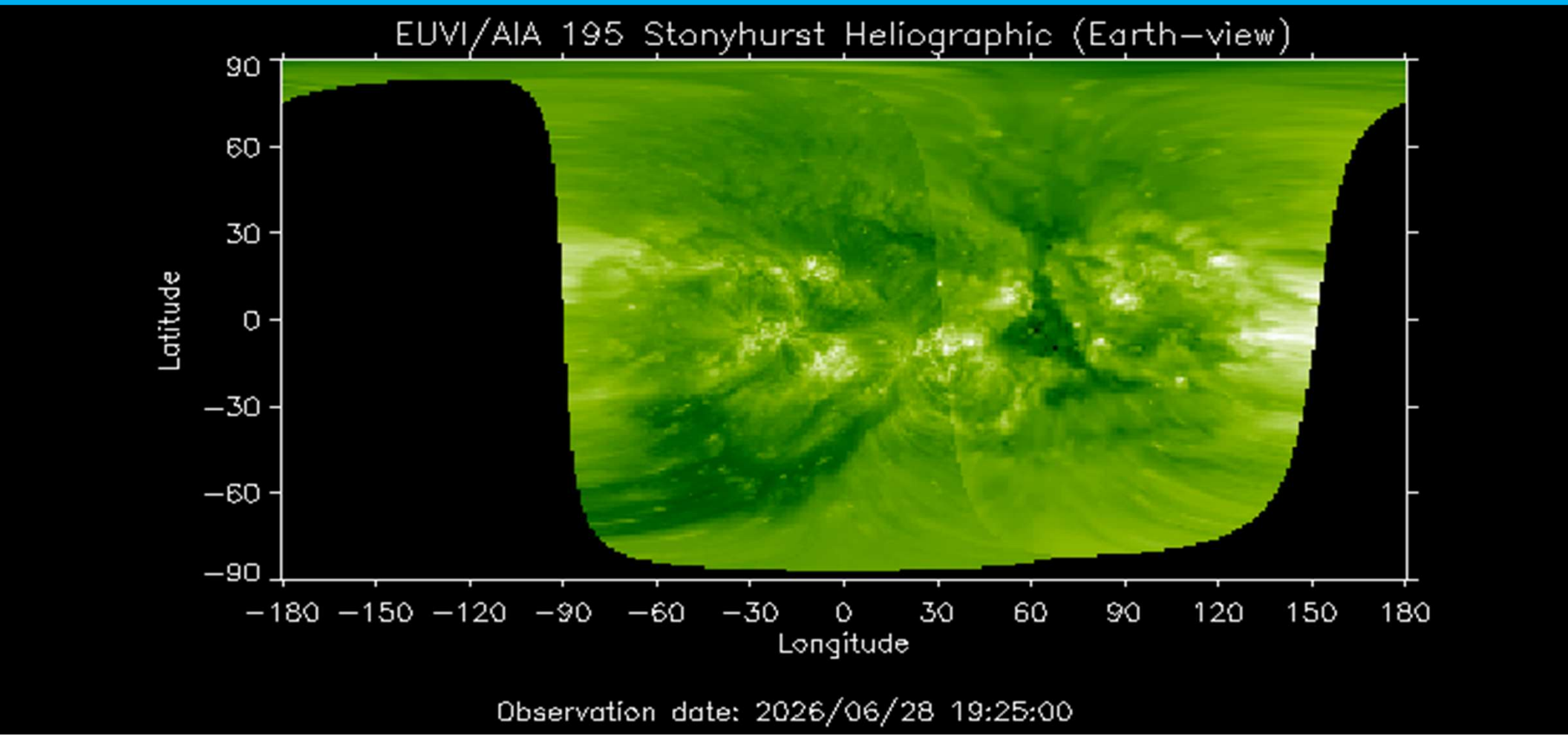


Outlook

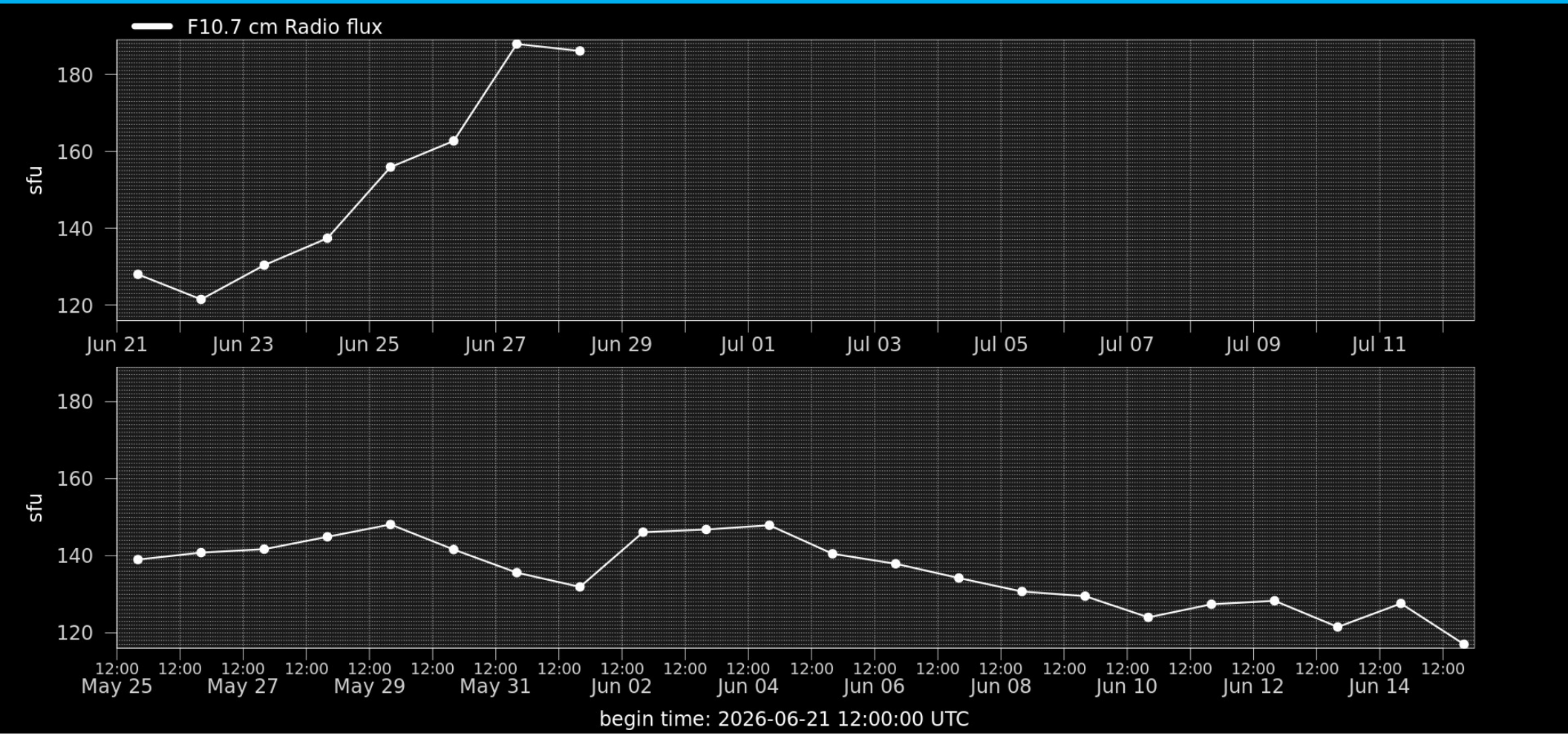
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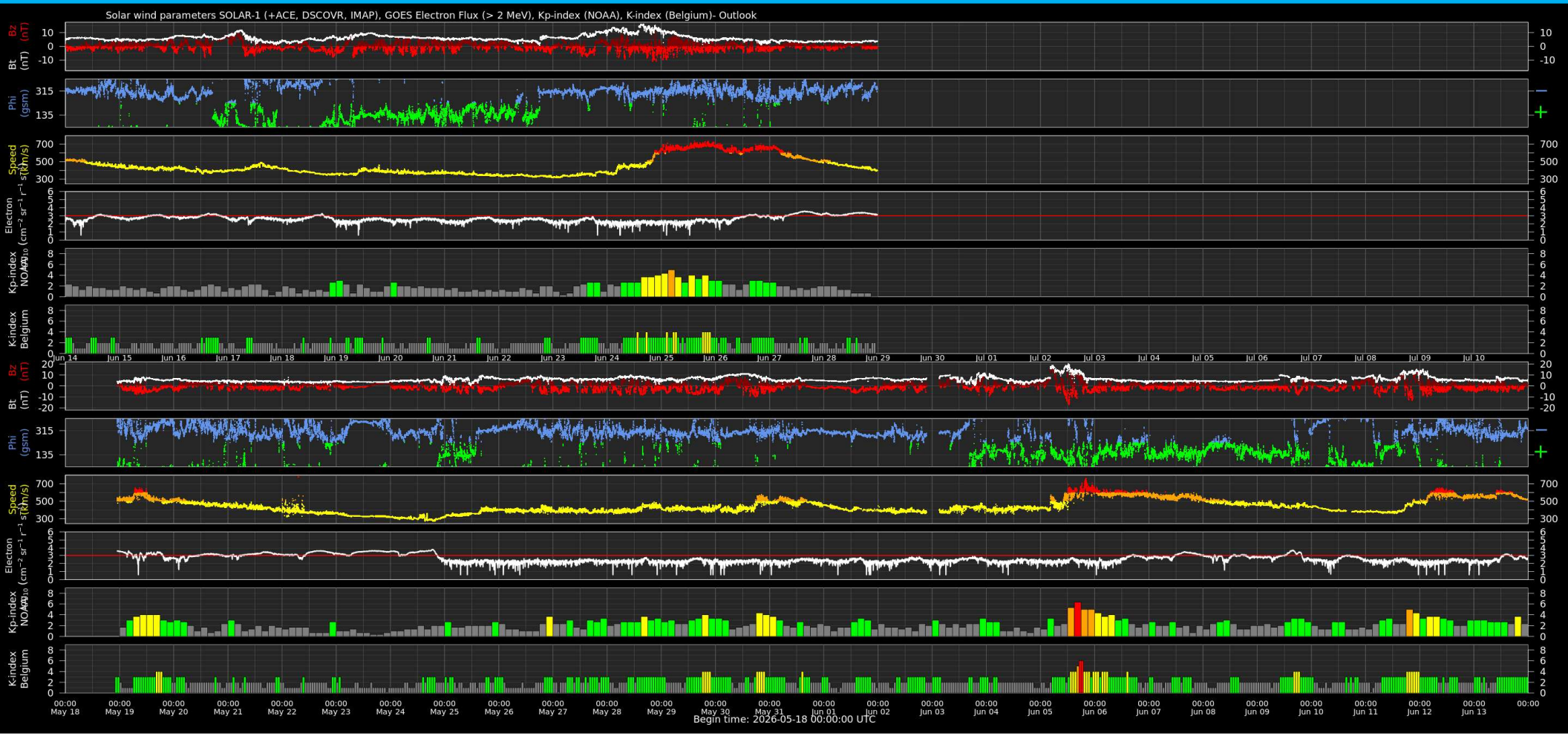
Outlook: Solar activity



Outlook: Solar F10.7cm radio flux



Outlook: Electron Flux at GEO Outlook



PECASUS



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Pecasus related events

No advisories

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