SIDC Space Weather Briefing

07 September 2026-13 September 2026

Elisabeth Dom

& the SIDC forecaster team

Royal Observatory

Solar Influences
Data analysis Centre
www.sidc.be

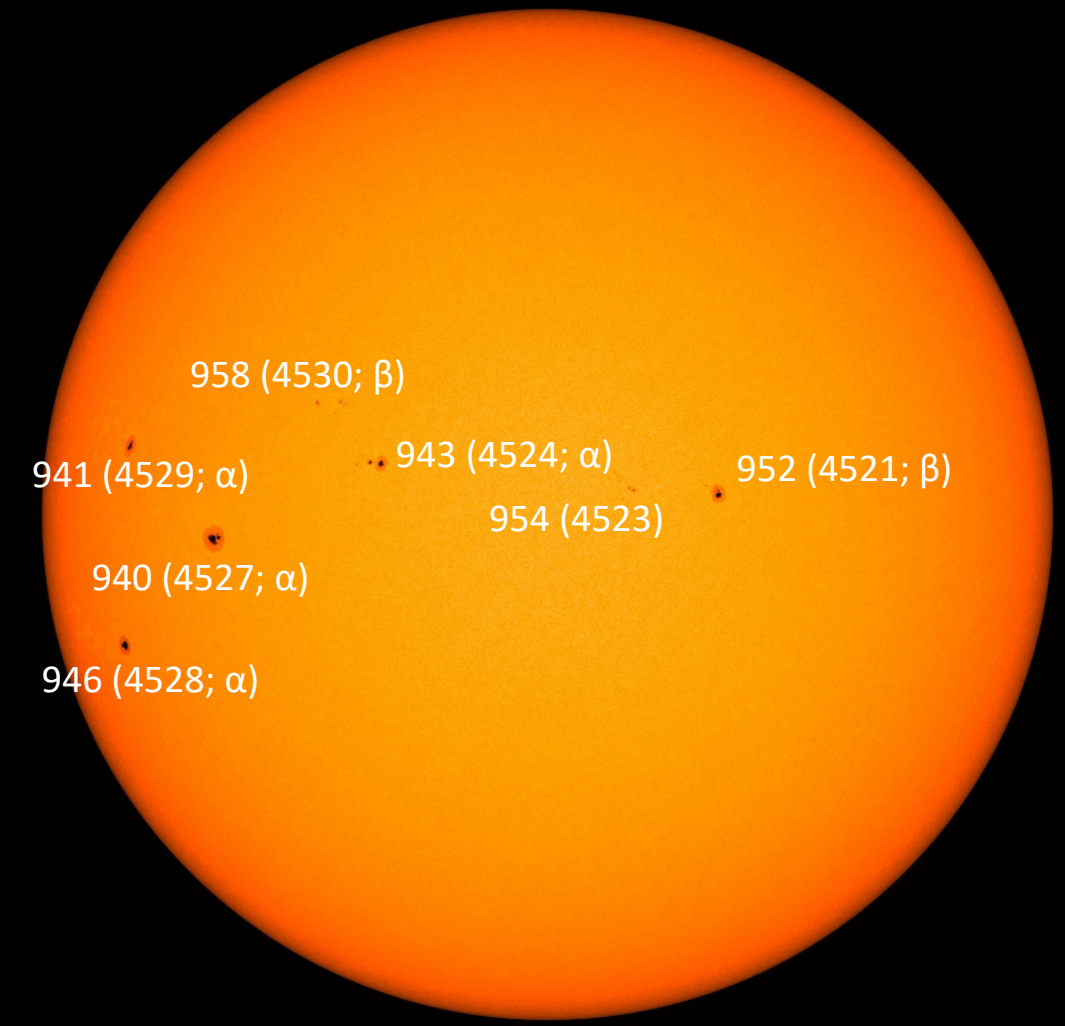
Summary Report

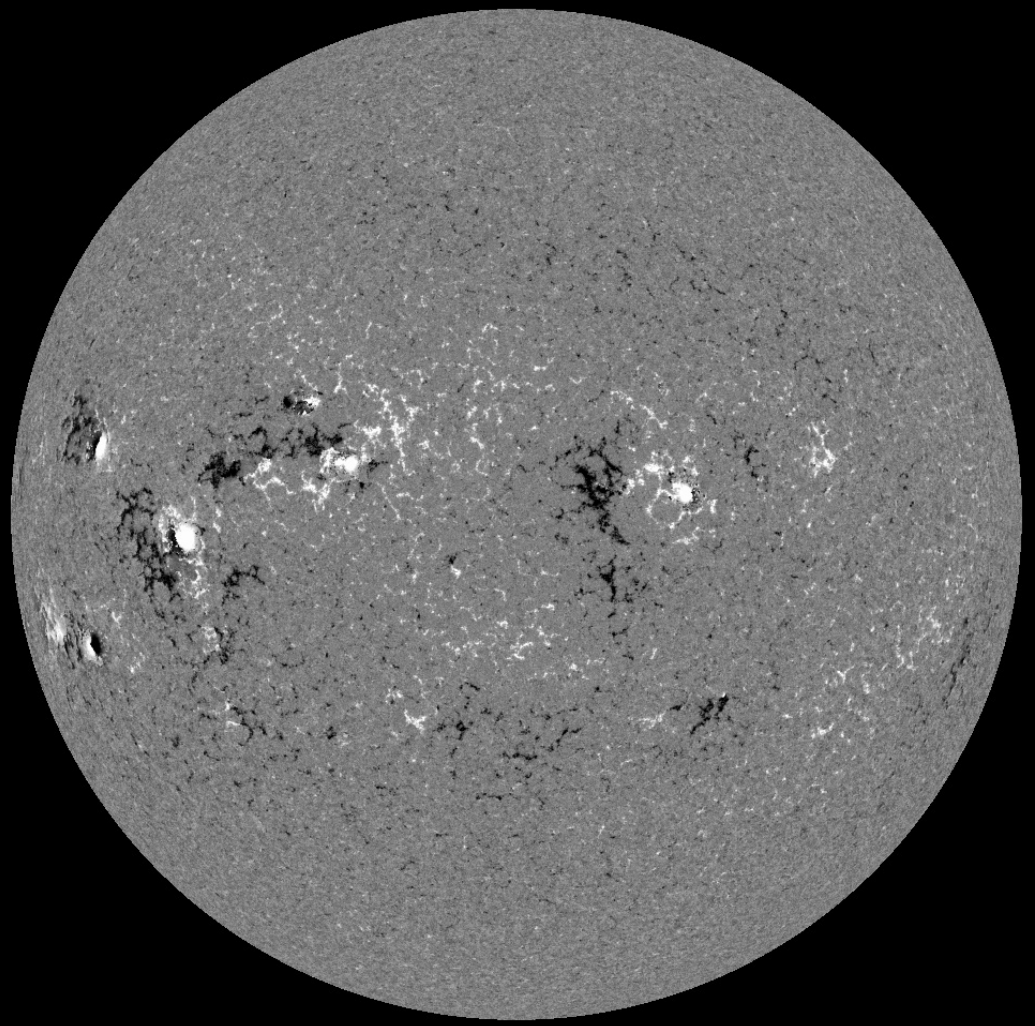
Active regions	8 AR - SIDC 952 (NOAA 4521) & SIDC 943 (NOAA 4524) & SIDC 946 (NOAA 4528) & SIDC 958 (NOAA 4530)
Flares	# C-class flare: 15 # M-class flare: 0 # X-class flare: 0
Coronal Holes	1 +CH & 2 -CH
CMEs	CME 718 Sept 6 11:00 UTC

Proton flux	Below 10 pfu threshold
Electron flux	Since 8 Sept: mainly above 1000 PFU threshold

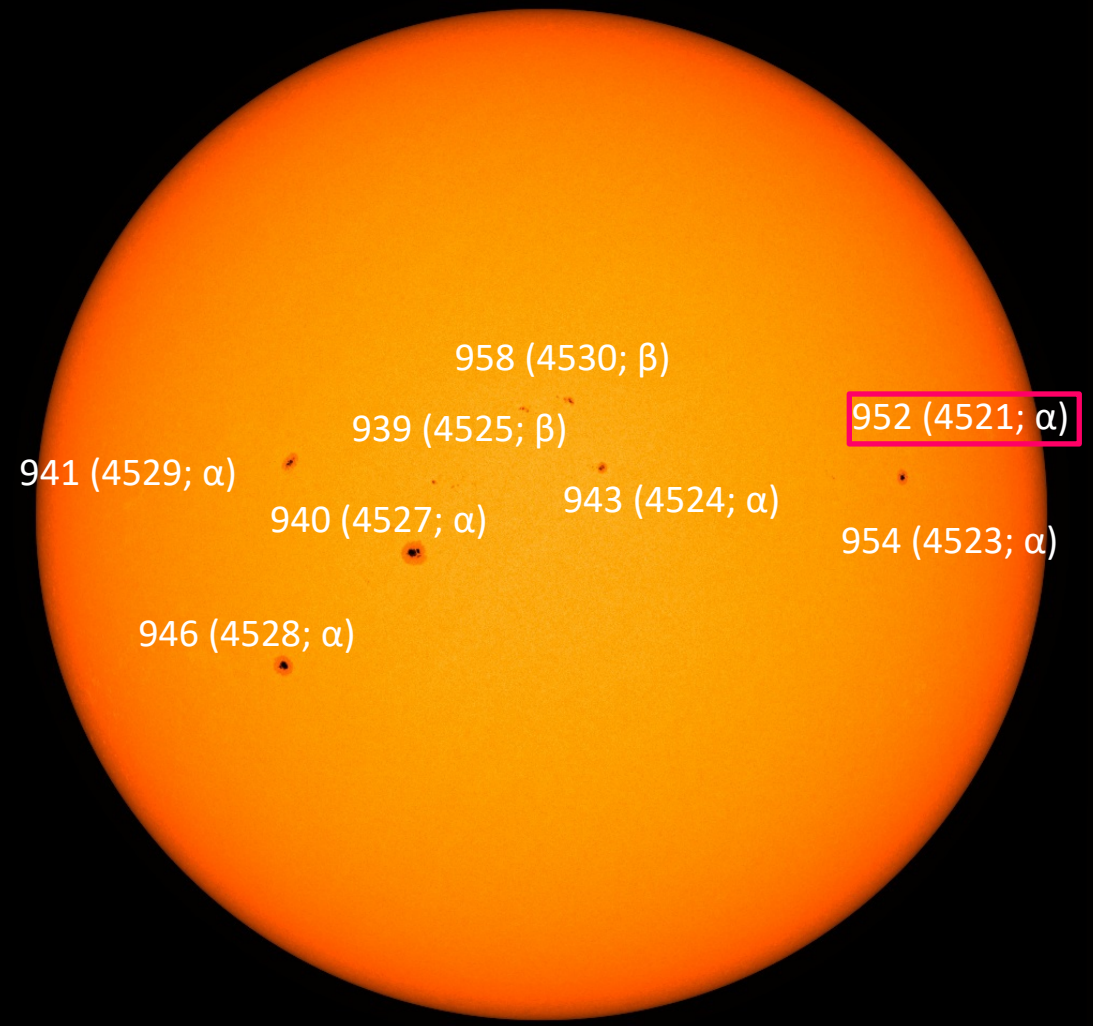
ICMEs	1 ICME (Sept 08 – CME 718)
Solar wind conditions	|B|: 0.83 - 17.4 nT// Bz: -14.13 nT to 12.32 nT// Speed: 290.8 - 626.9 km/s
Geomagnetic conditions	max KBel: 4.0, max Kp(NOAA): 5.0, Minor Storm conditions

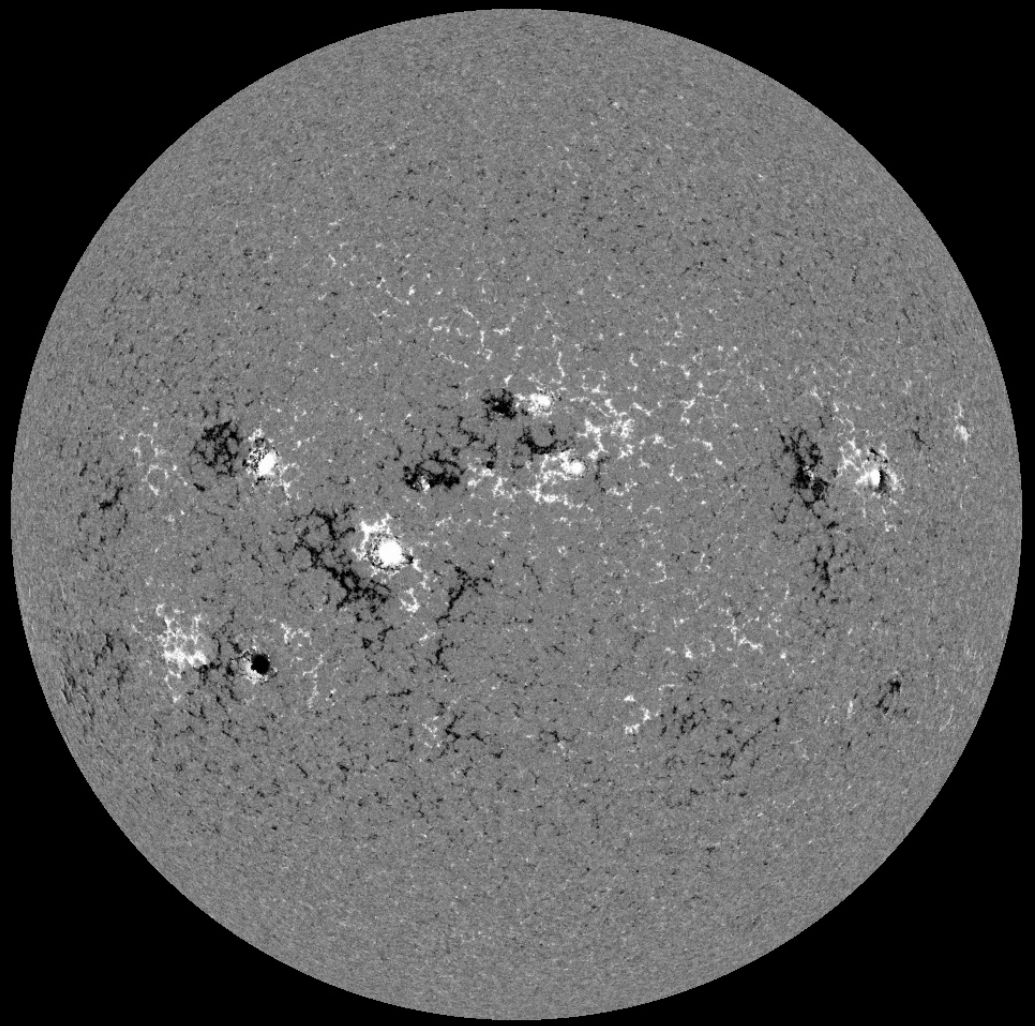
Solar active regions



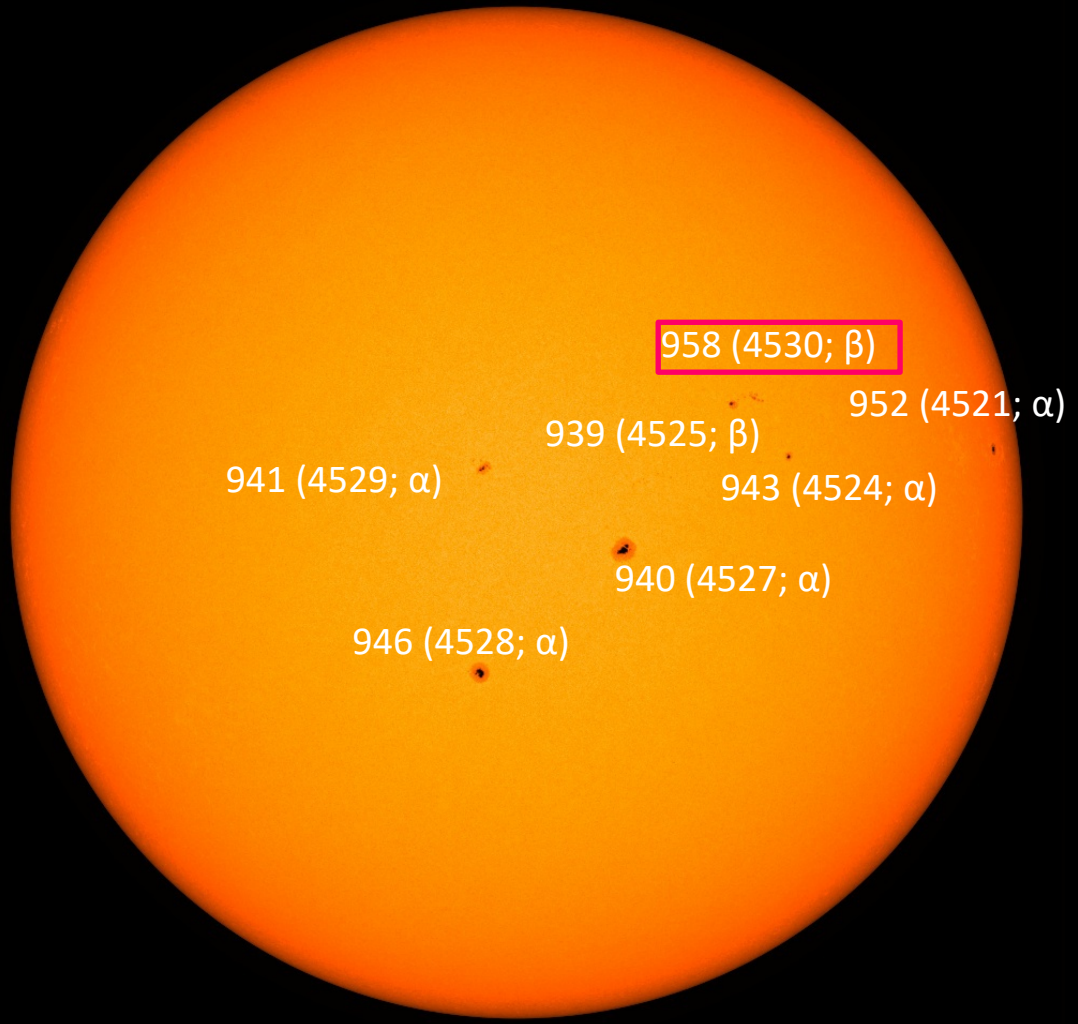


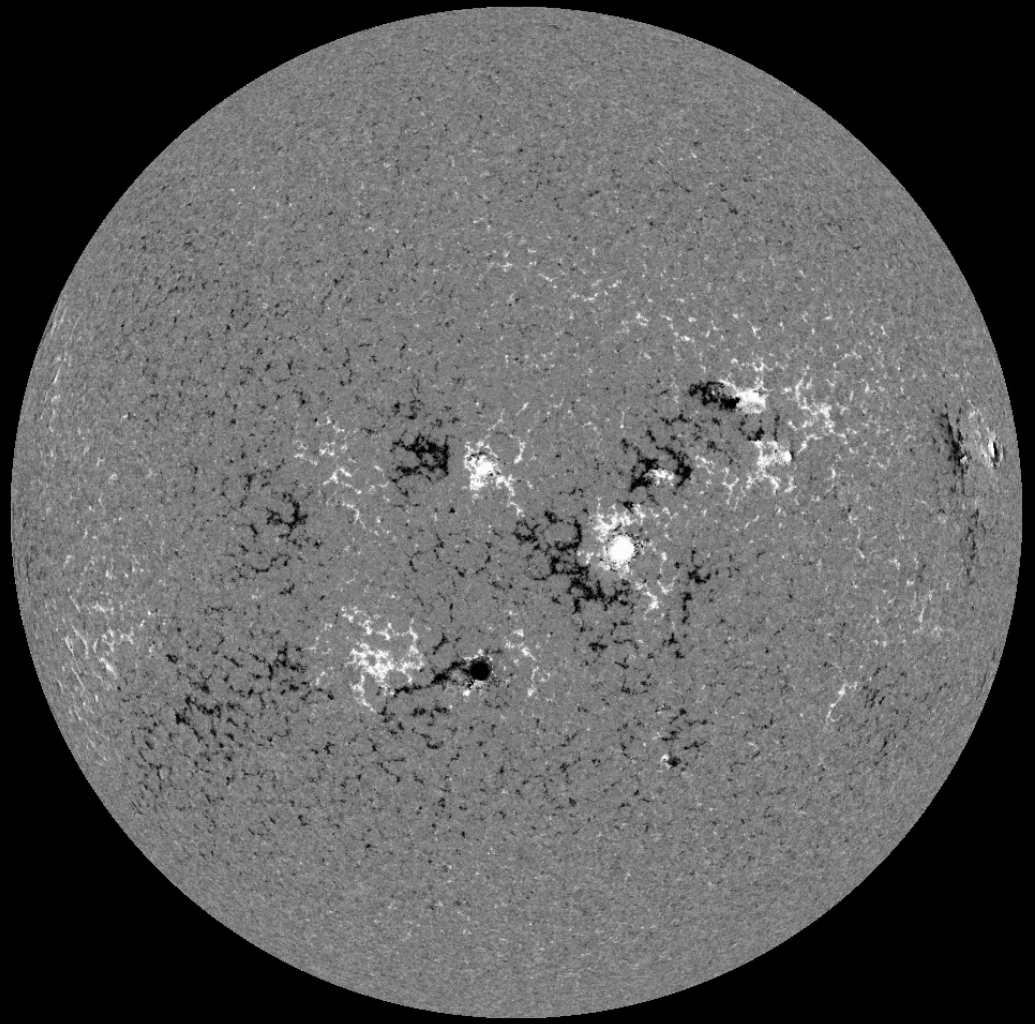
Solar active regions



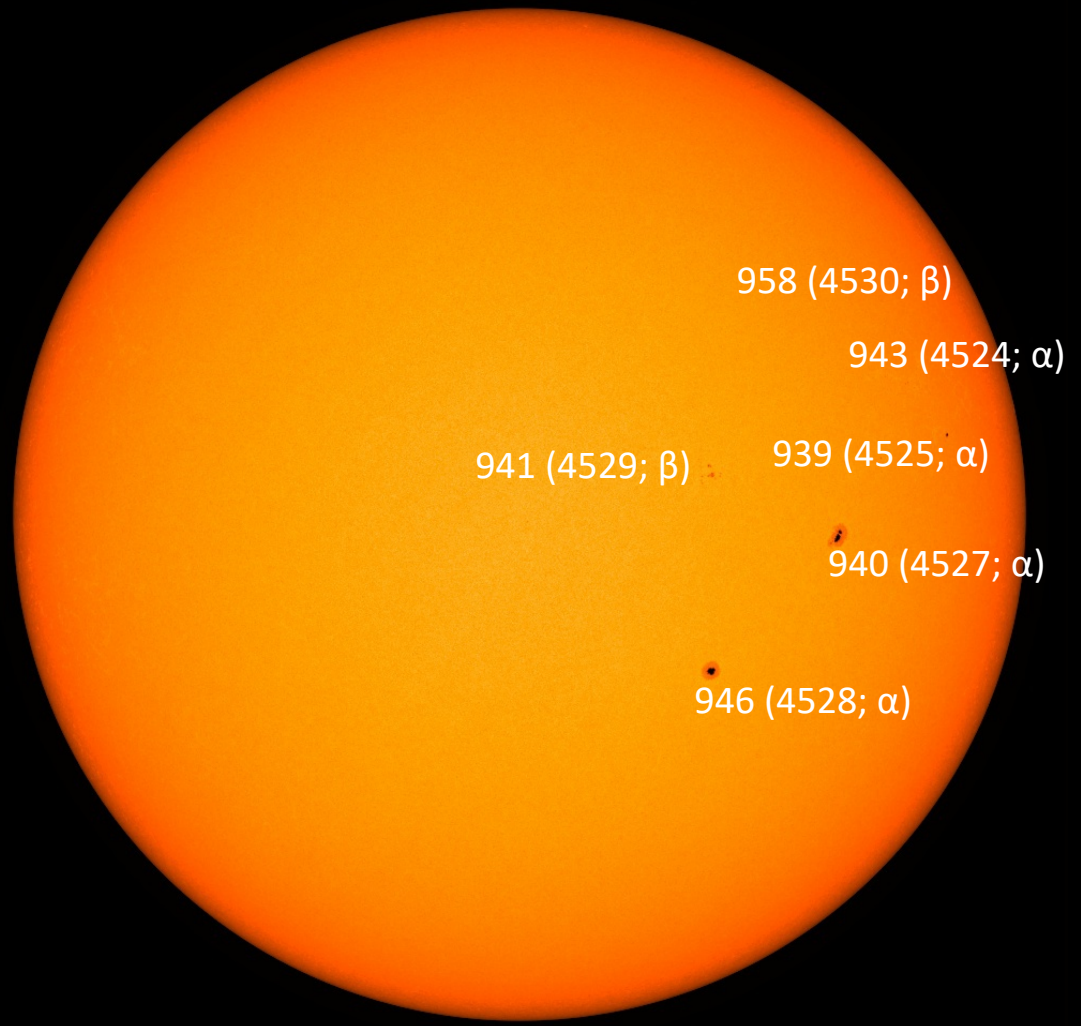


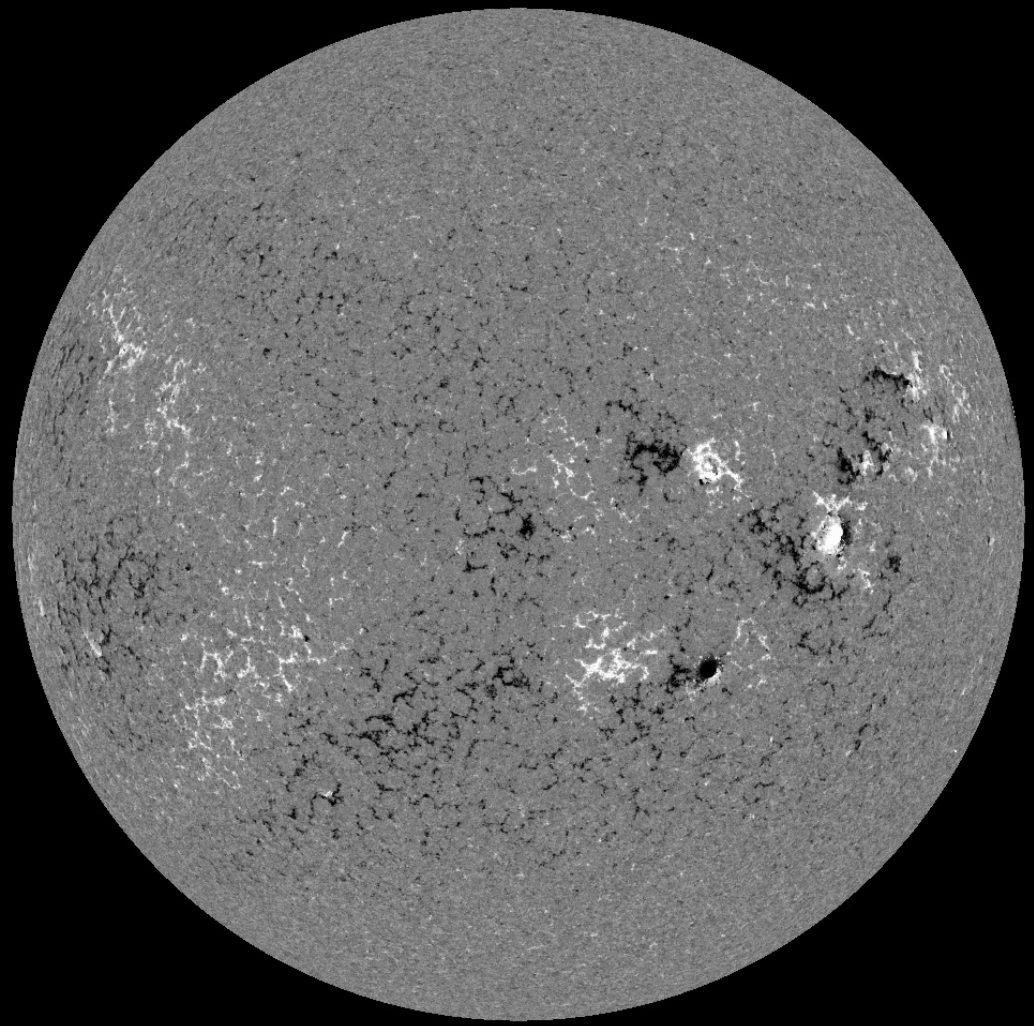
Solar active regions



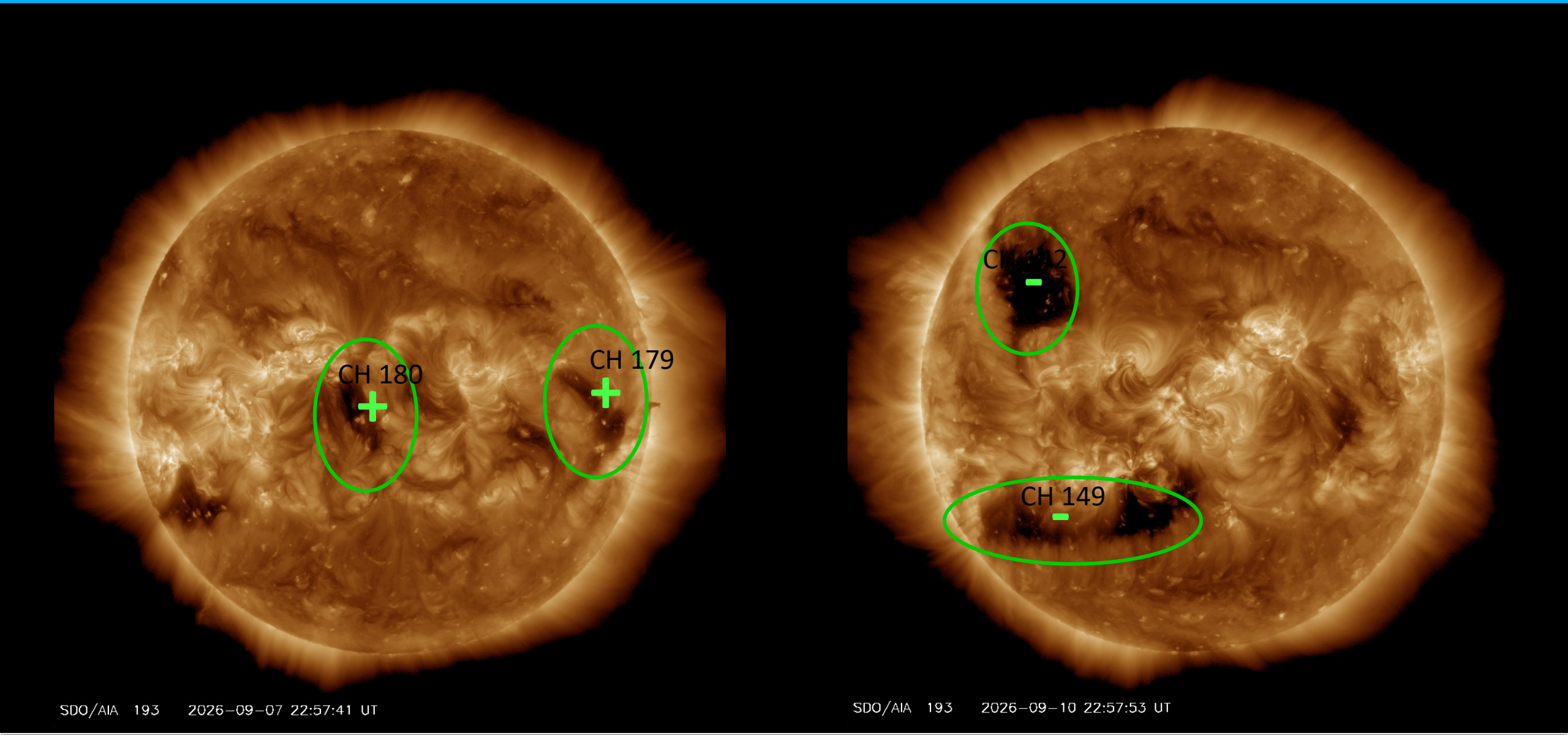


Solar active regions

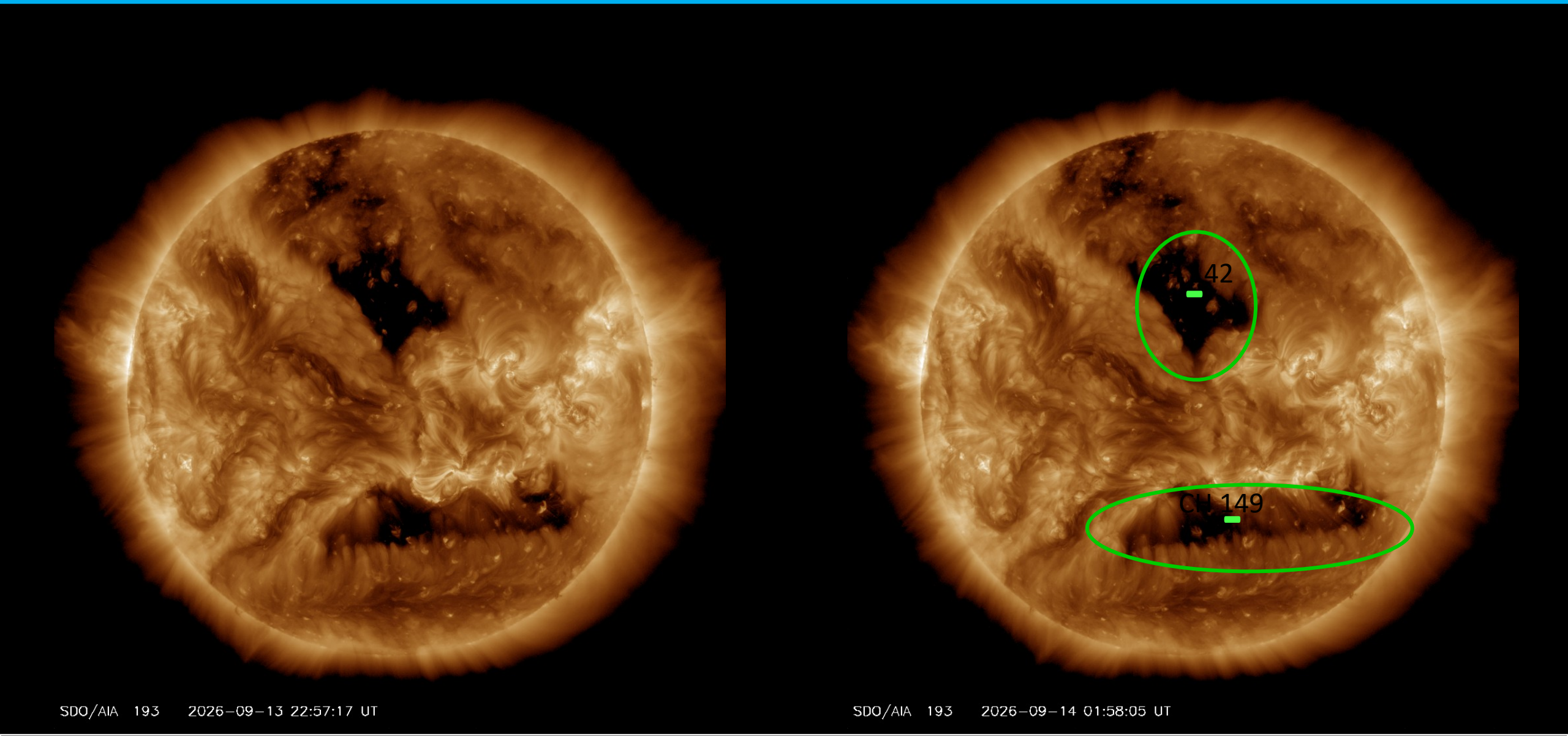




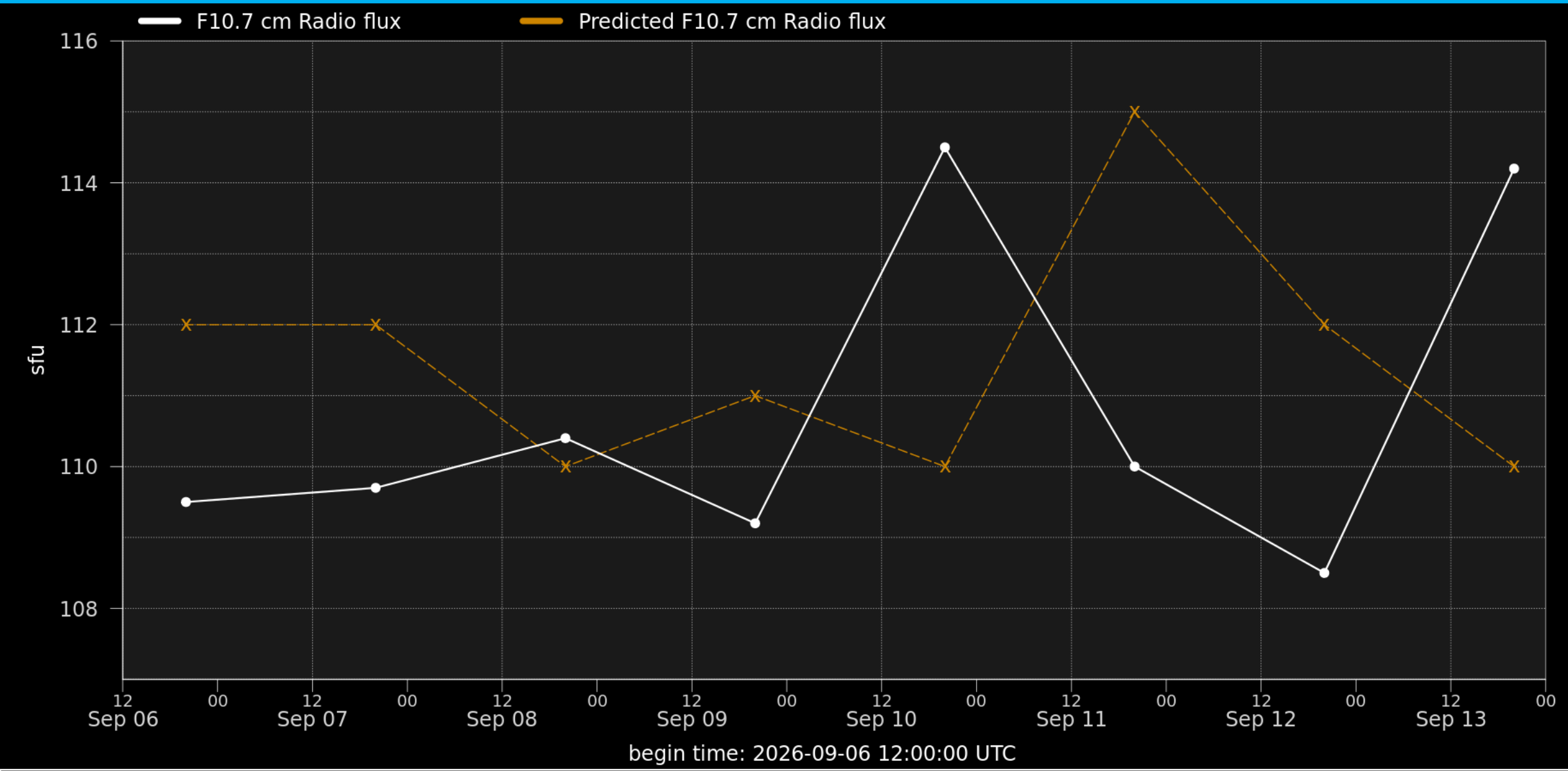
Coronal holes



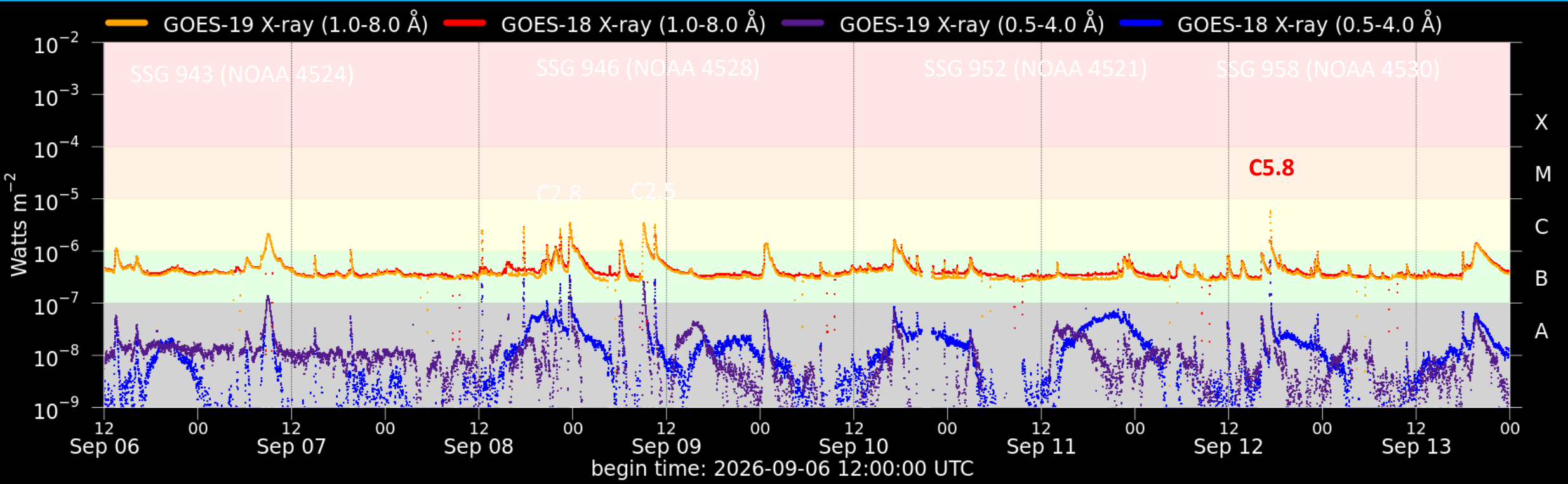
Coronal holes



Solar F10.7cm radio flux

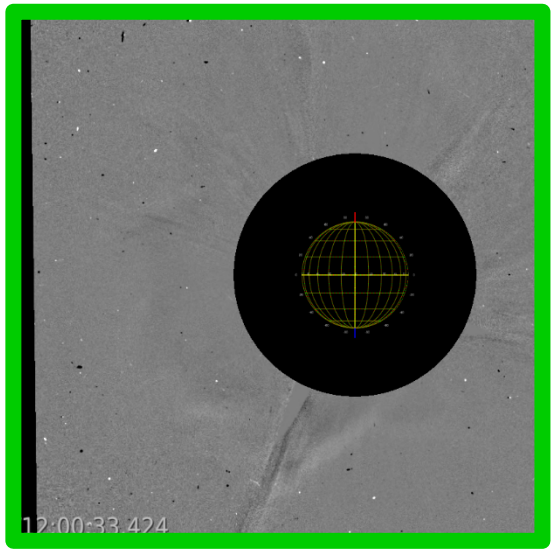


Flaring activity

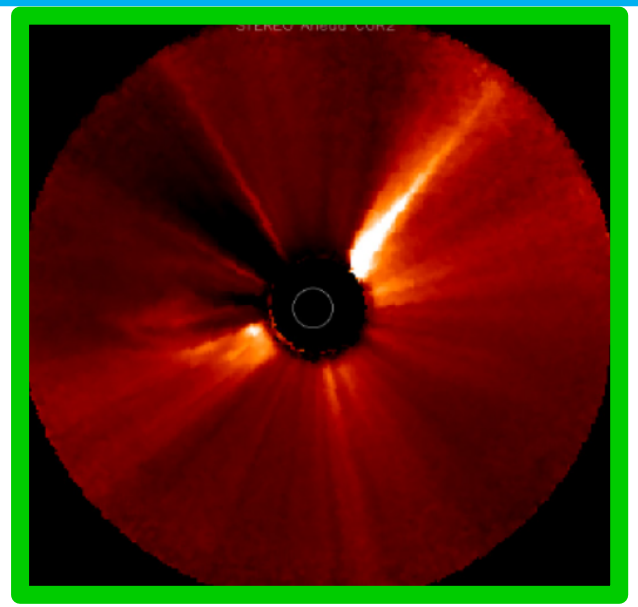


Issue date	2026-09-06	2026-09-07	2026-09-08	2026-09-09	2026-09-10	2026-09-11	2026-09-12	2026-09-13
Probability (%)	89|23|01	83|30|01	68|17|01	78|23|01	80|27|01	88|34|01	83|31|01	70|17|01
Observed (#)	02|00|00	01|00|00	08|00|00	01|00|00	02|00|00	00|00|00	01|00|00	00|00|00

Coronal Mass Ejections



Coronal Mass Ejection (CME 718) detected in SOHO/LASCO-C2 data from 10:53 UTC Sept 06, very faint full halo (originating from SIDC sunspot Group 943).

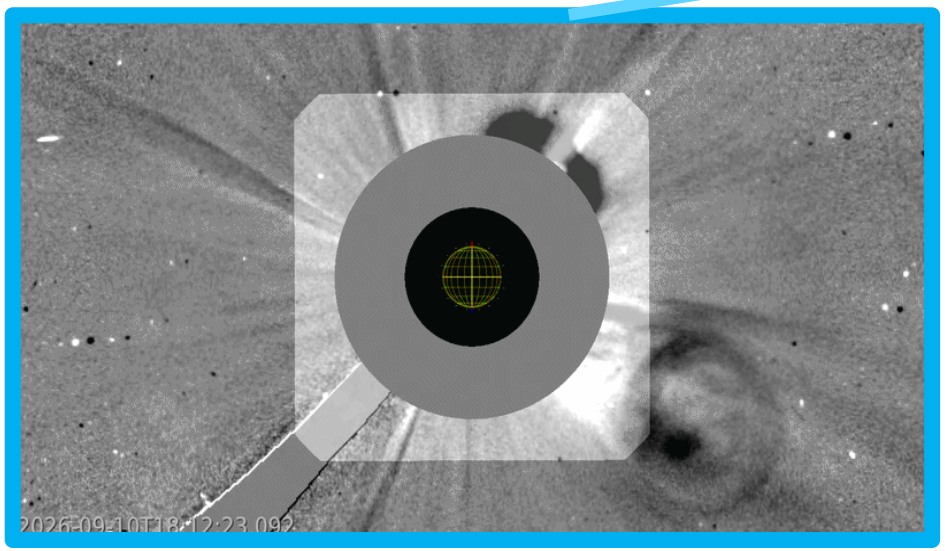


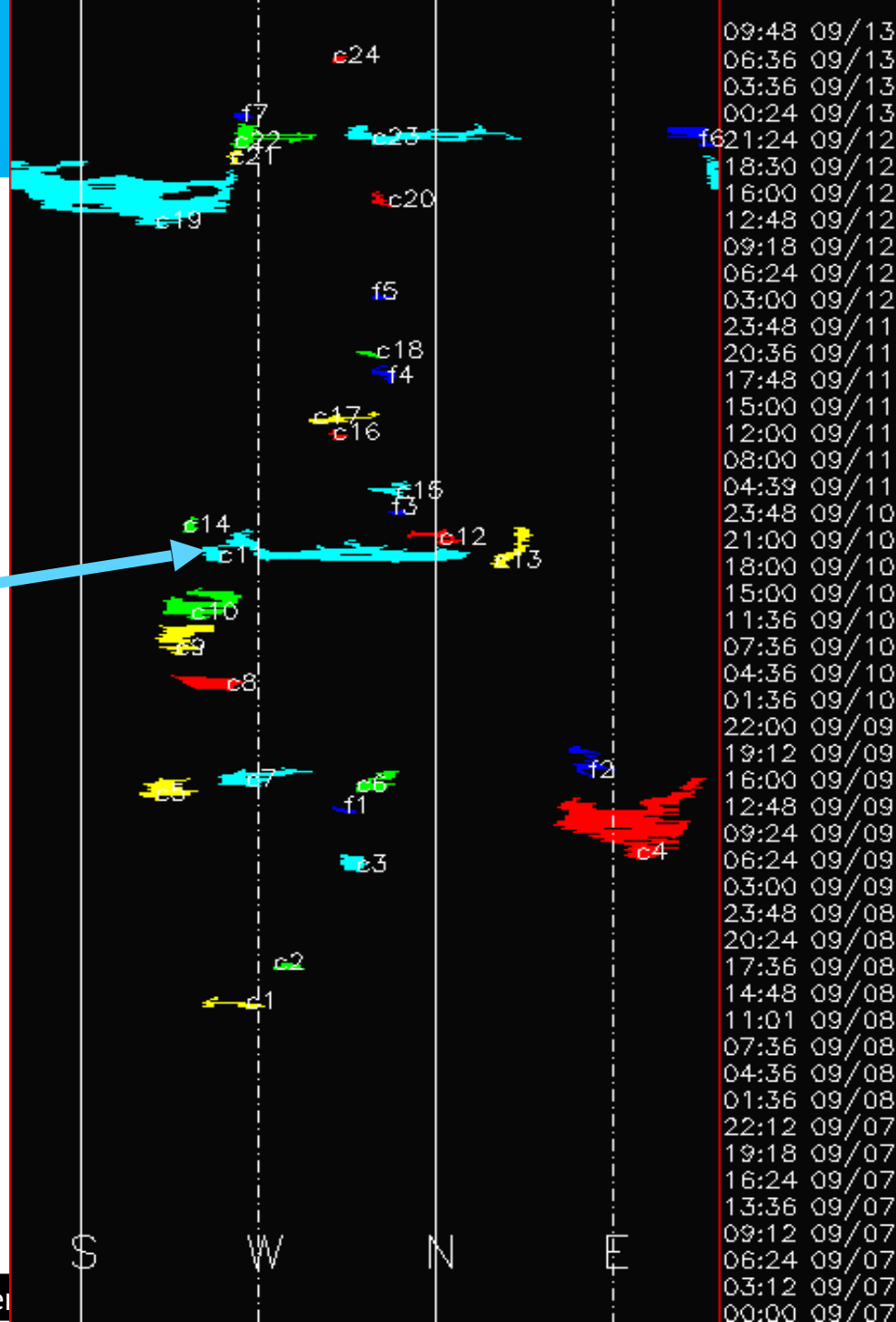
Seen Eastwards in STEREO A indicating Earth Directed

ICME observed Sept 8 but no geomagnetic impact (Kp3).

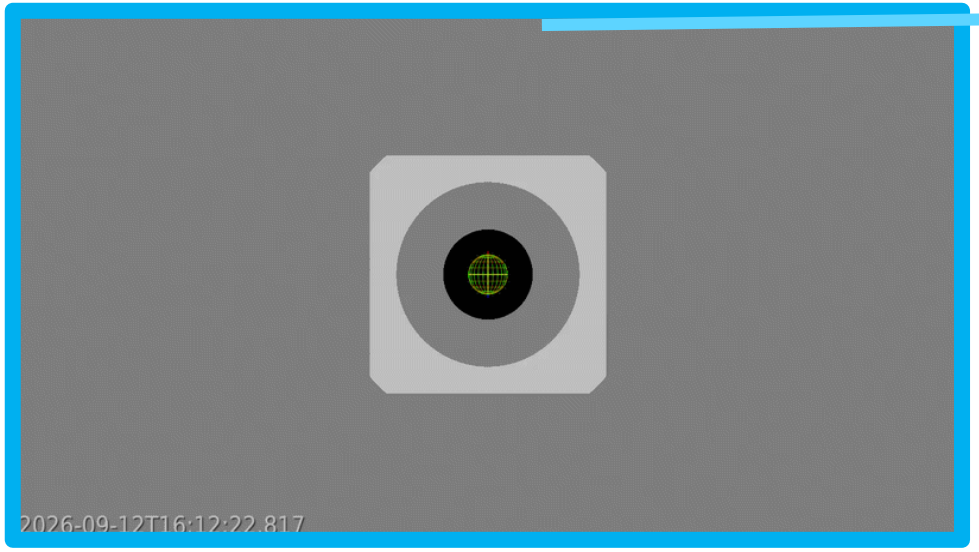
Coronal Mass Ejections

Coronal Mass Ejection (CME 719) detected in SOHO/LASCO-C2 data from 20:00 UTC Sept 10, mainly directed northwestwards.
This CME is associated with a filament eruption located near 84N/65W.
Not Earth directed.

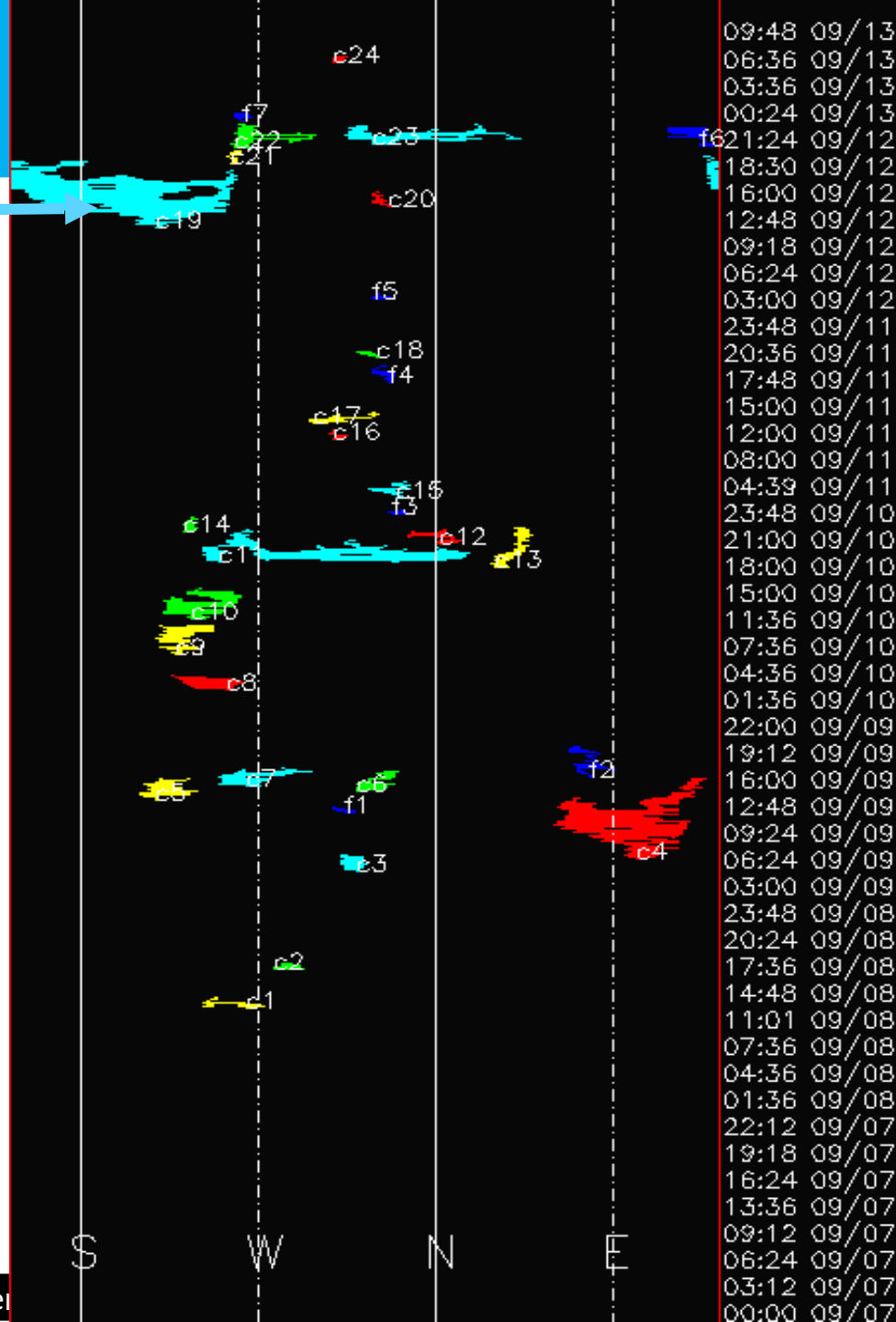




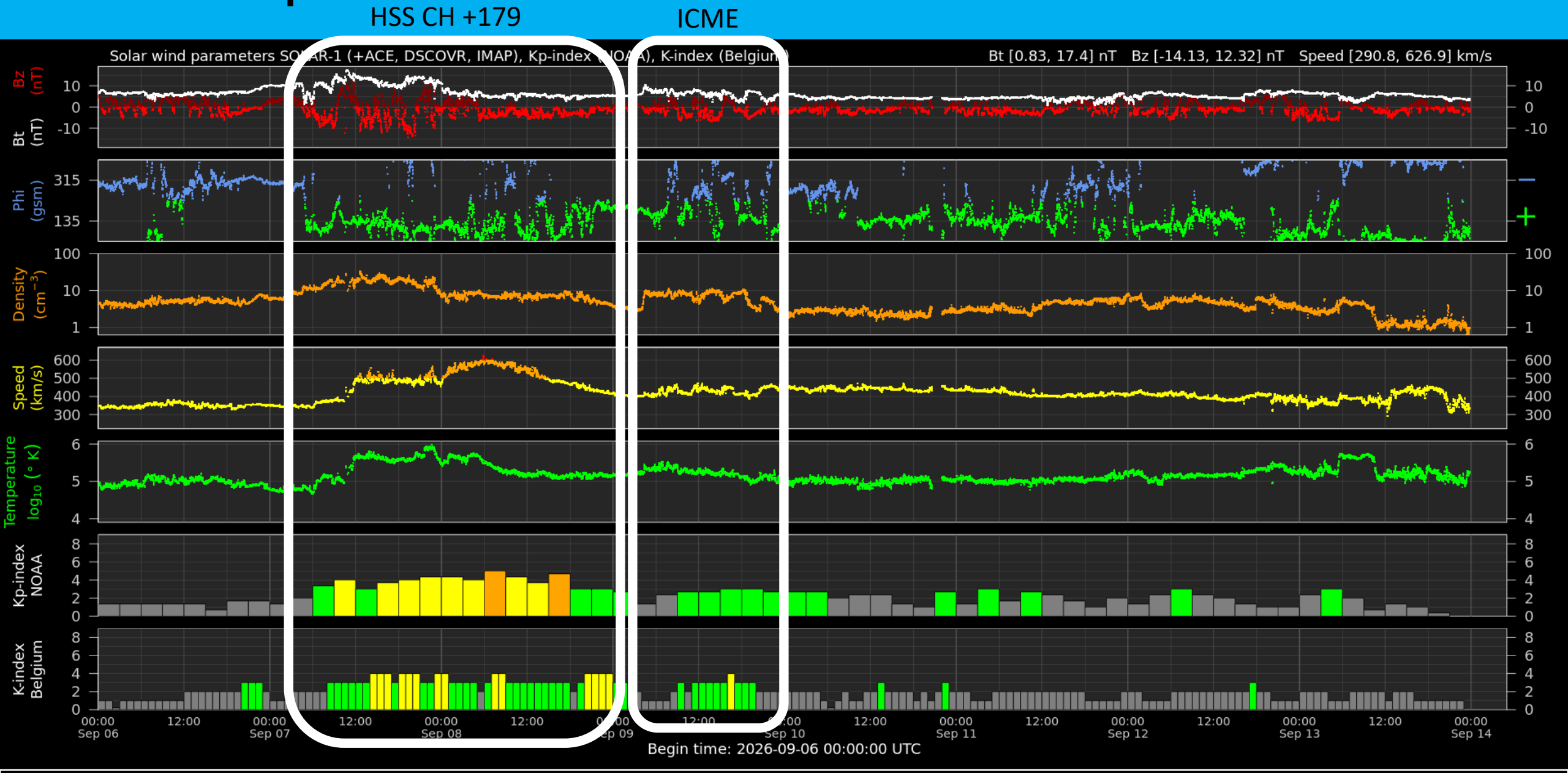
Coronal Mass Ejections



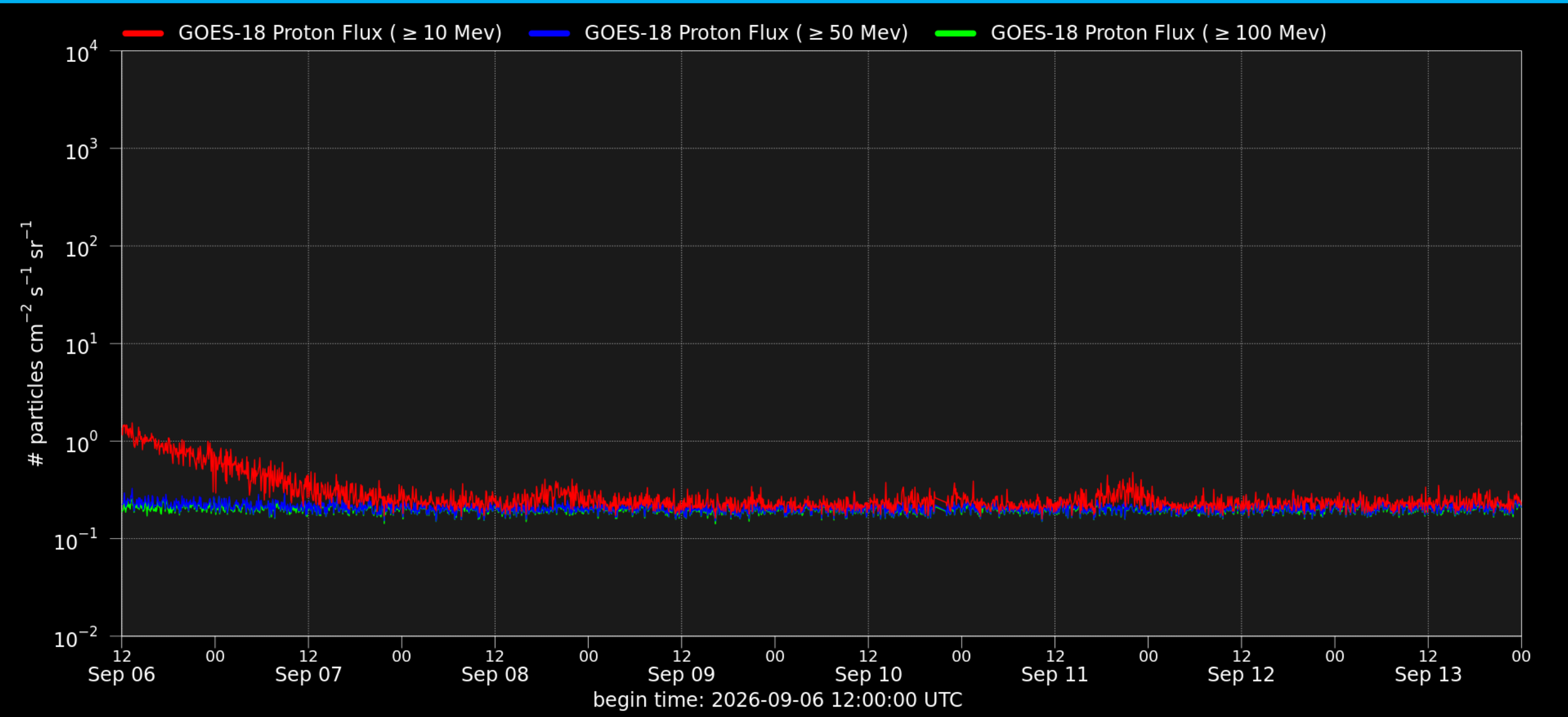
Coronal Mass Ejection (CME 720) detected in SOHO/LASCO-C2 data from 19:36 UTC Sept 12, mainly directed southwards.
This CME is associated with a filament eruption .
Expected to pass south of Earth.



Solar wind parameters & K-indices



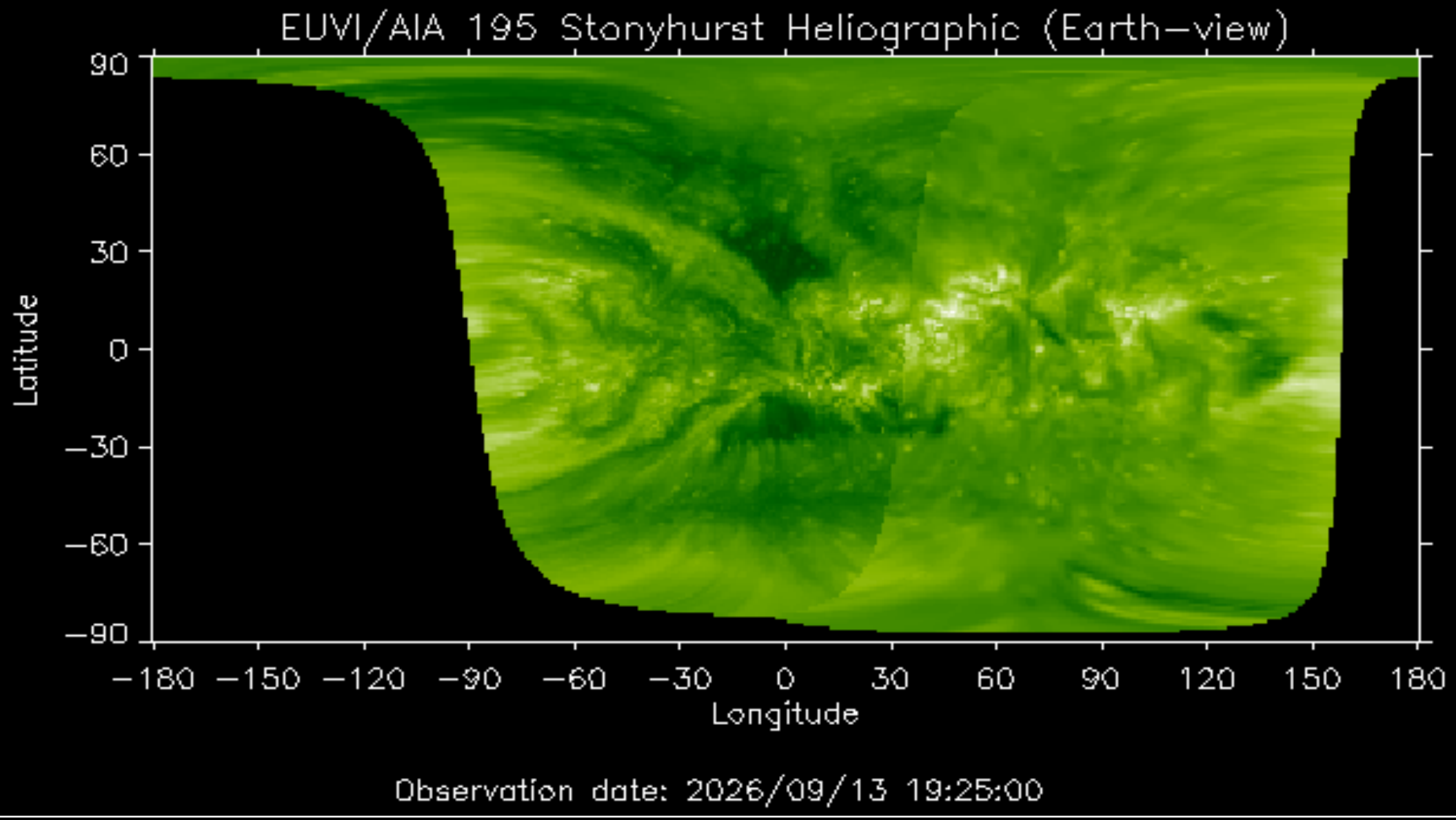
Solar proton flux



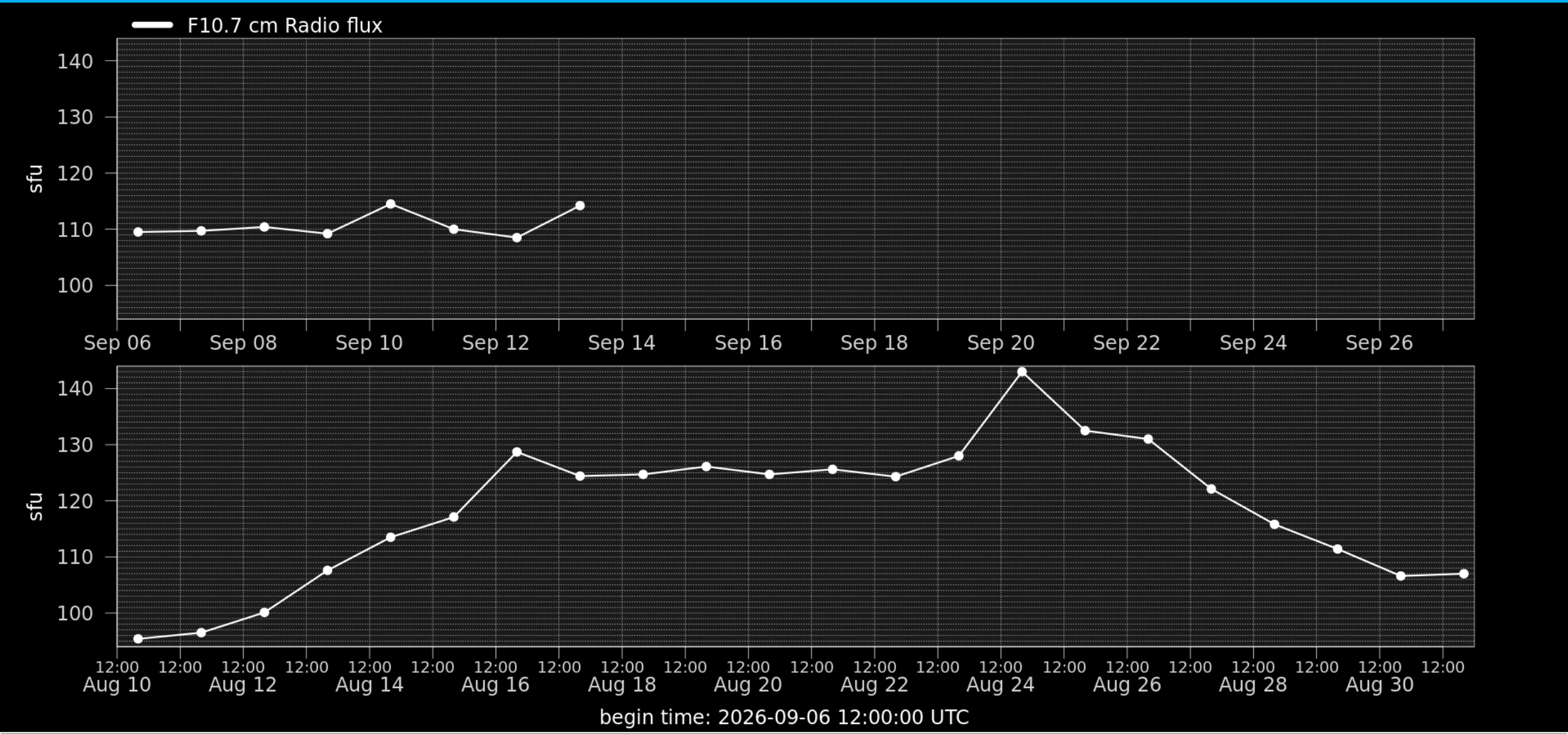
Electron flux at GEO



Outlook: Solar activity



Outlook: Solar F10.7cm radio flux



Outlook: Electron Flux at GEO Outlook

