

SIDC Space Weather Briefing

23 February 2026-01 March 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 2026-02-23 00:00 to 2026-03-01 23:59

Active regions	11 ARs, most notable SIDC 801 (NOAA 4378, beta) [ex-NOAA 4366]
Flares	# C-class flare: 41 # M-class flare: 1 (off-disk) # X-class flare: 0
Coronal Holes	SIDC CH 147 (-), SIDC CH 151 (+)
CMEs	1 potential glancing-blow arrival associated with SIDC CME 607

Proton flux	At background level
Electron flux	Normal to moderate

Solar wind and geomagnetic conditions

ICMEs	No ICME arrivals
Solar wind conditions	B : 0.54 - 8.11 nT //Bz: -6.81 nT to 5.15 nT //Speed: 341.0 - 767.5km/s
Geomagnetic conditions	max K _{Be} : 5, max K _p (NOAA): 5 -, Minor Storm conditions

All Quiet Alert: Off

Solar Activity

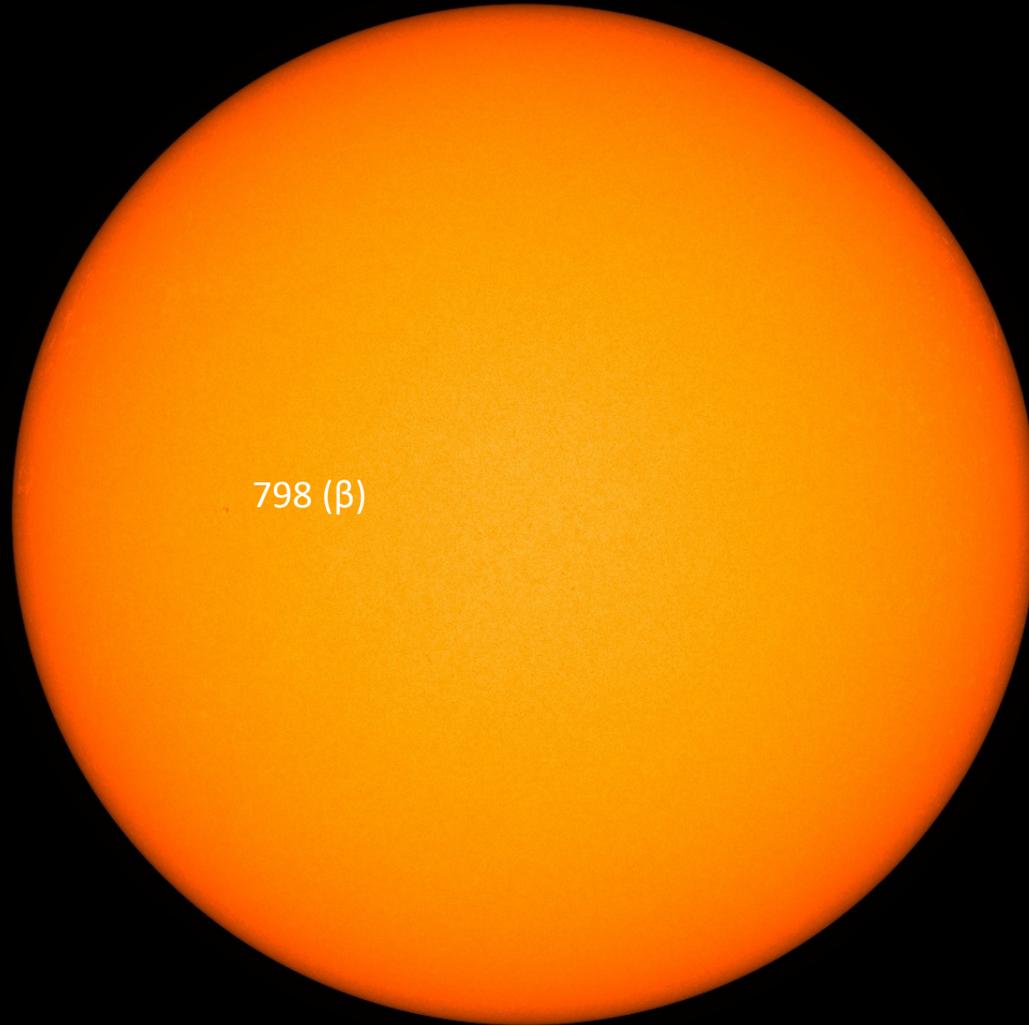


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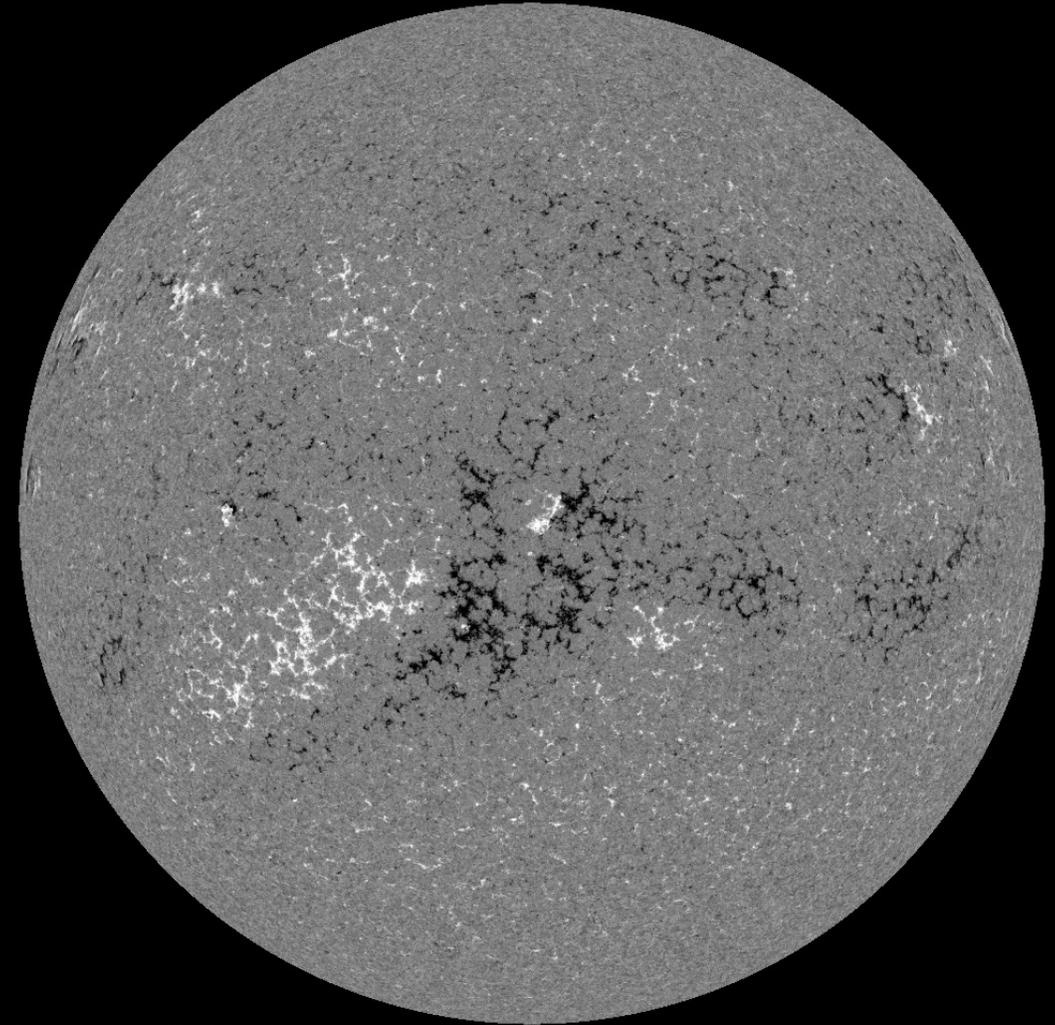
Solar active regions

SDO/HMI White Light 2026-02-23



SDO/HMI Continuum: 20260223_120000

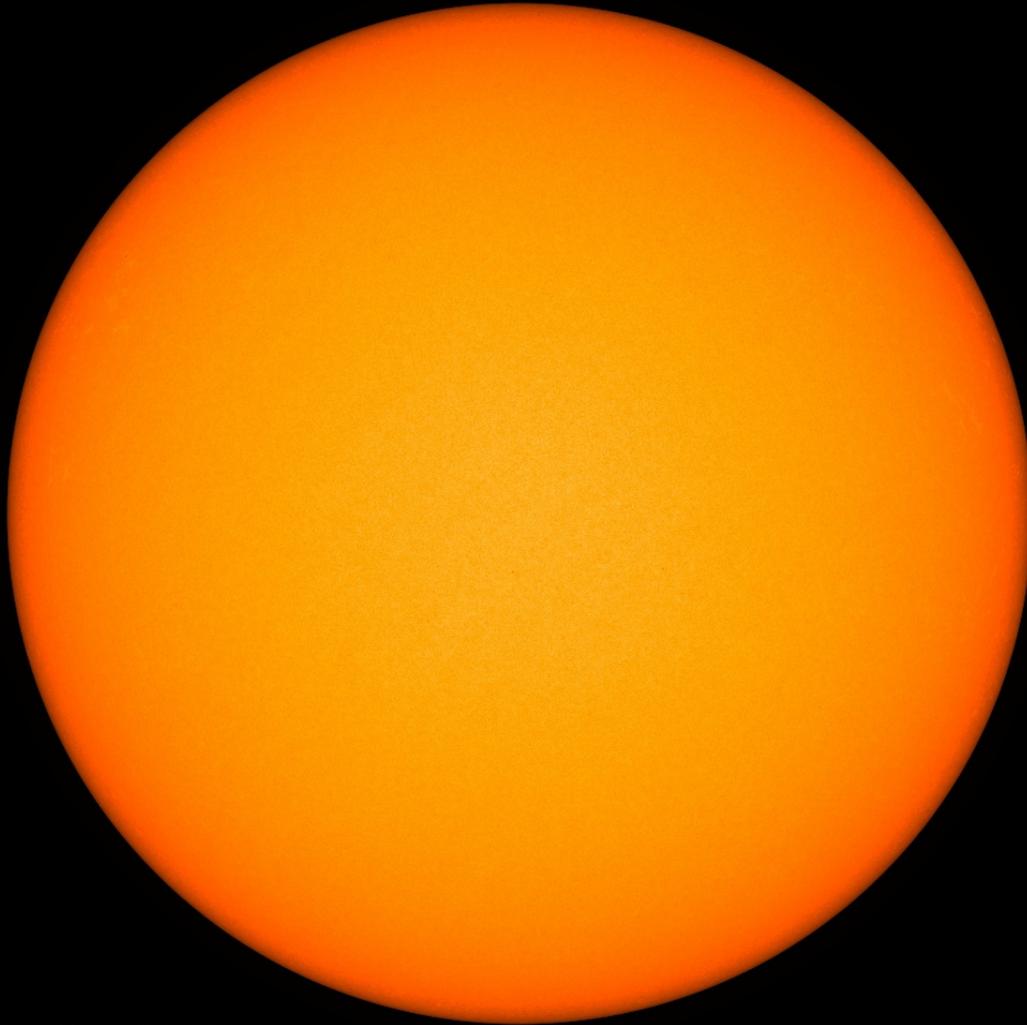
SDO/HMI Magnetogram 2026-02-23



SDO/HMI Magnetogram: 20260223_120000

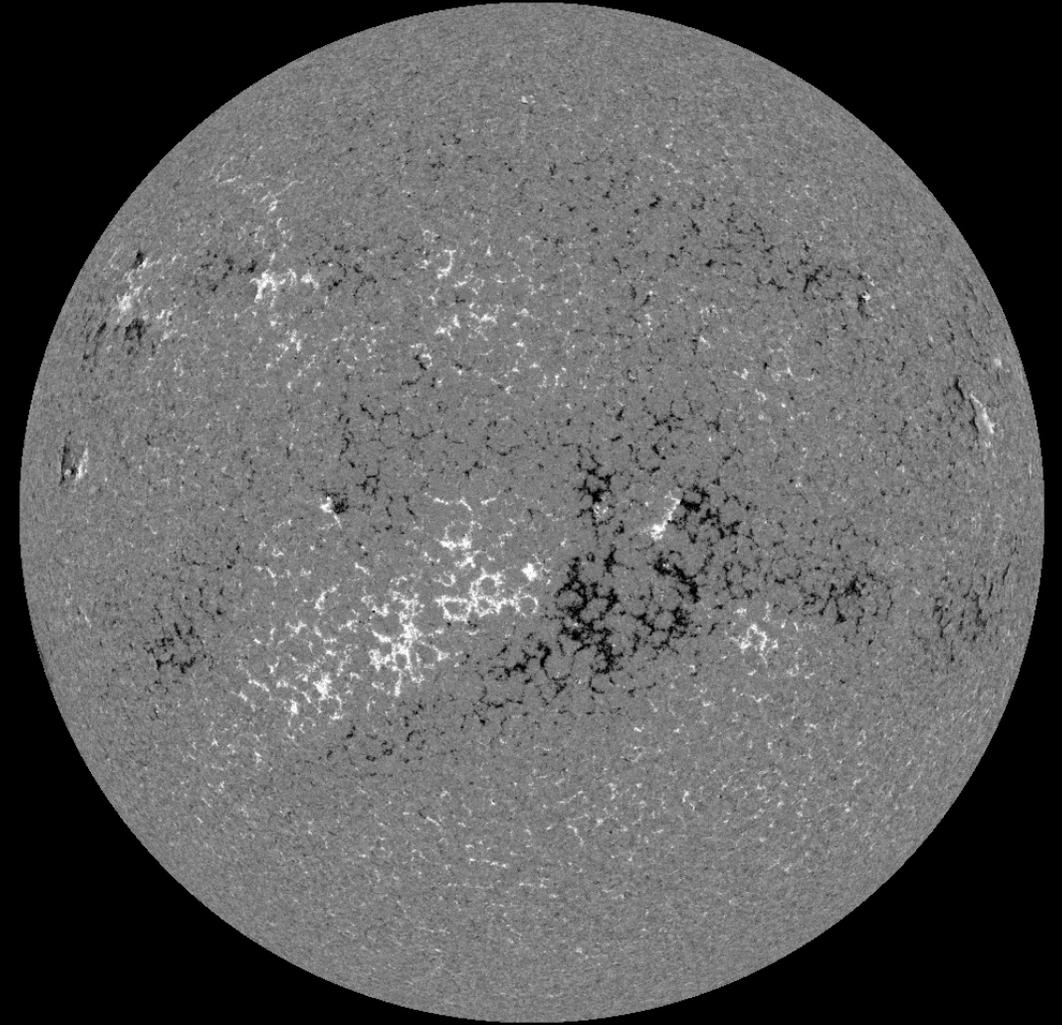
Solar active regions

SDO/HMI White Light 2026-02-24



SDO/HMI Continuum: 20260224_120000

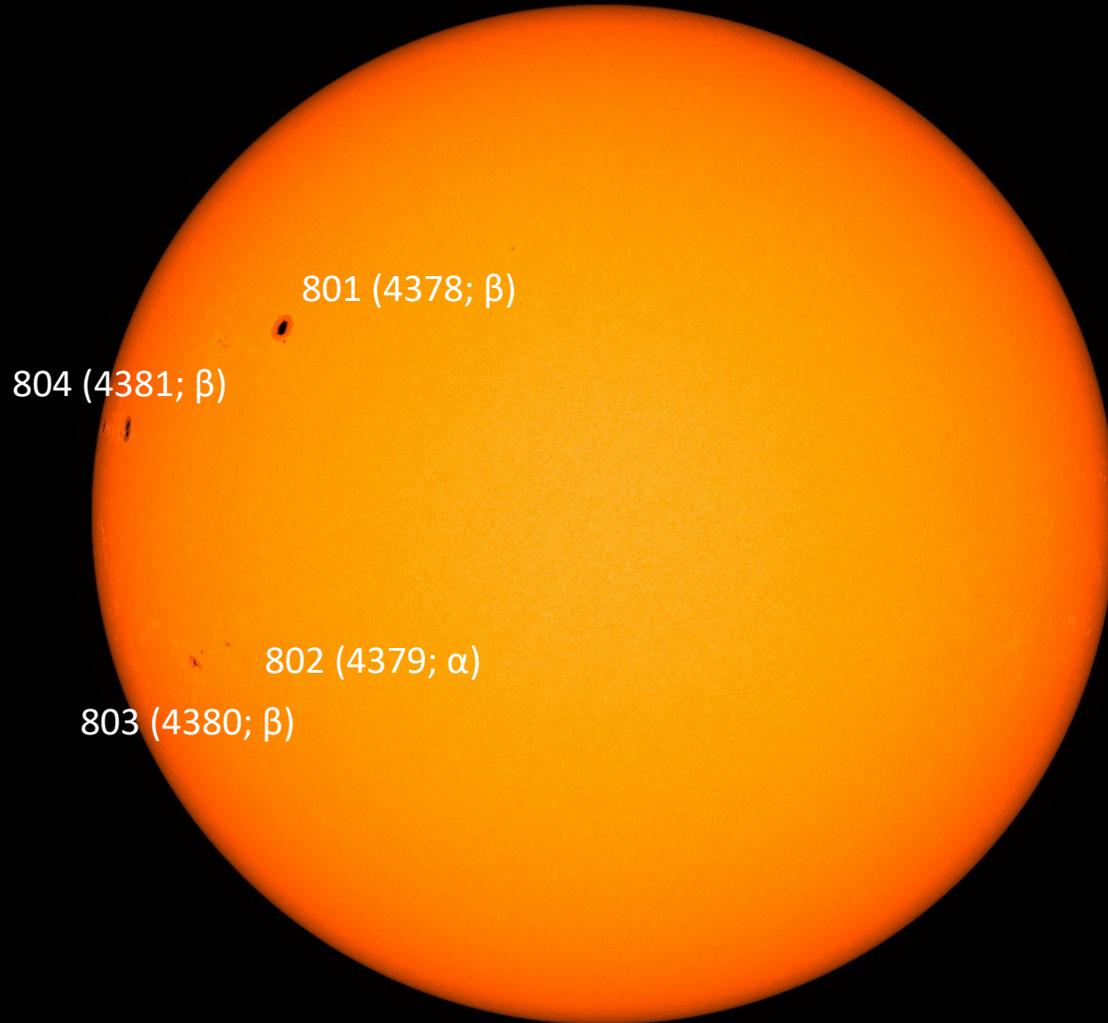
SDO/HMI Magnetogram 2026-02-24



SDO/HMI Magnetogram: 20260224_120000

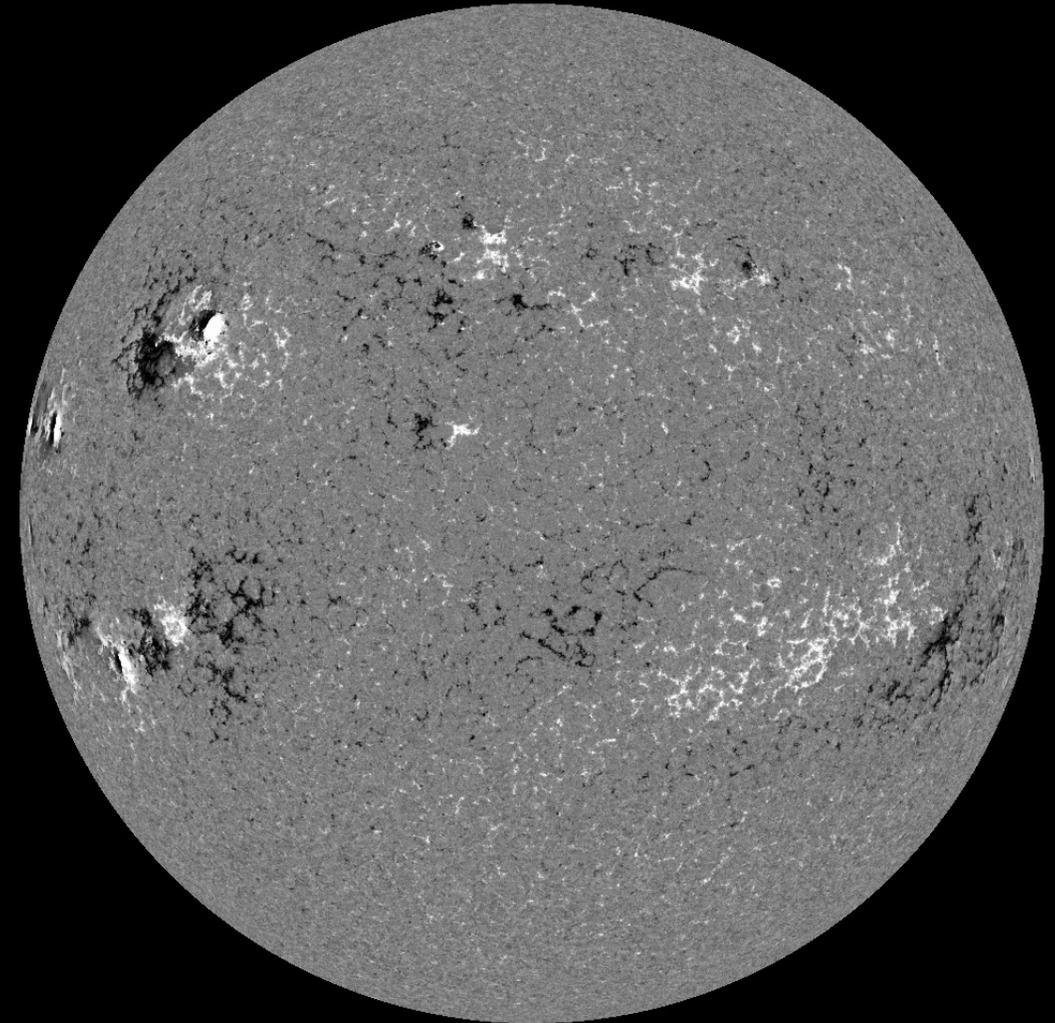
Solar active regions

SDO/HMI White Light 2026-02-28



SDO/HMI Quick-Look Continuum: 20260228_120000

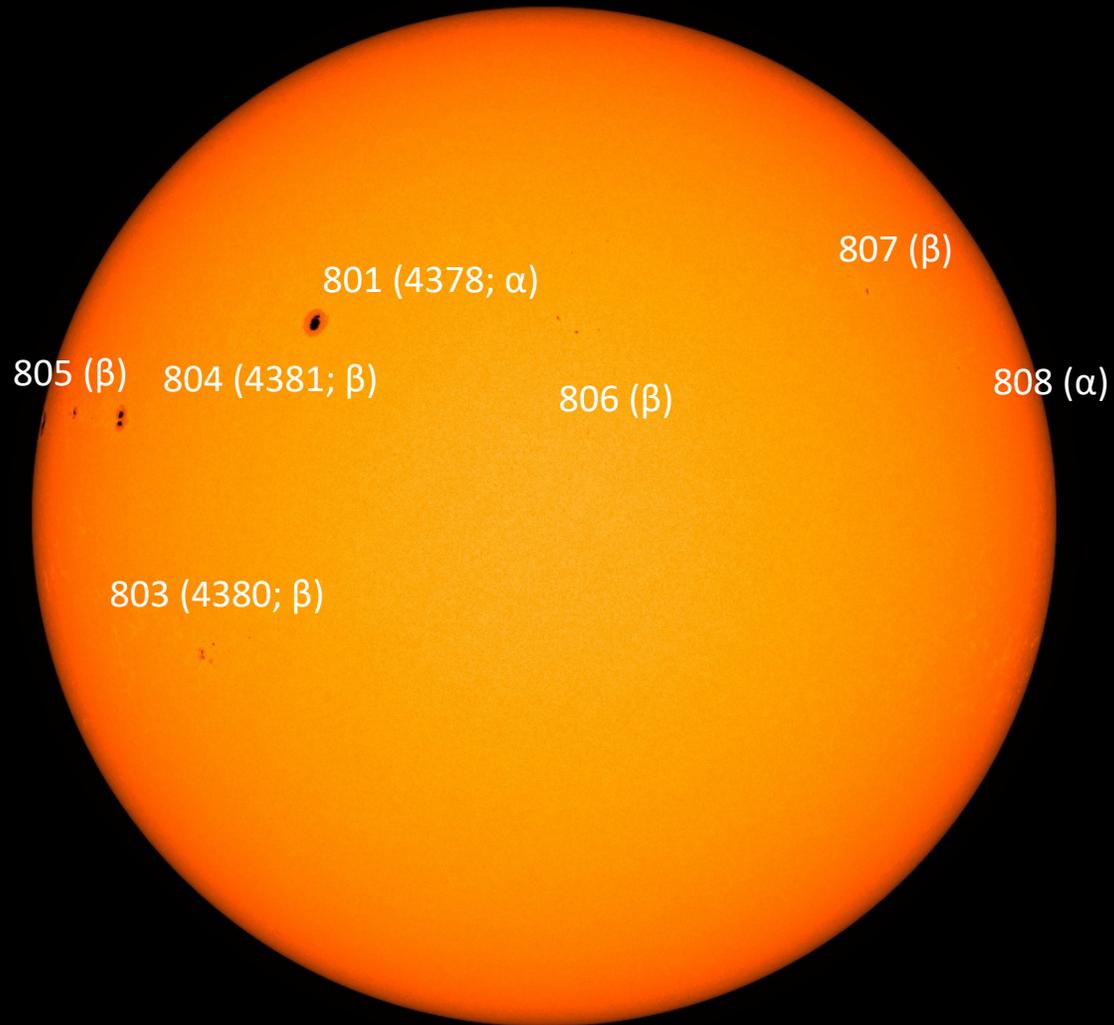
SDO/HMI Magnetogram 2026-02-28



SDO/HMI Quick-Look Magnetogram: 20260228_120000

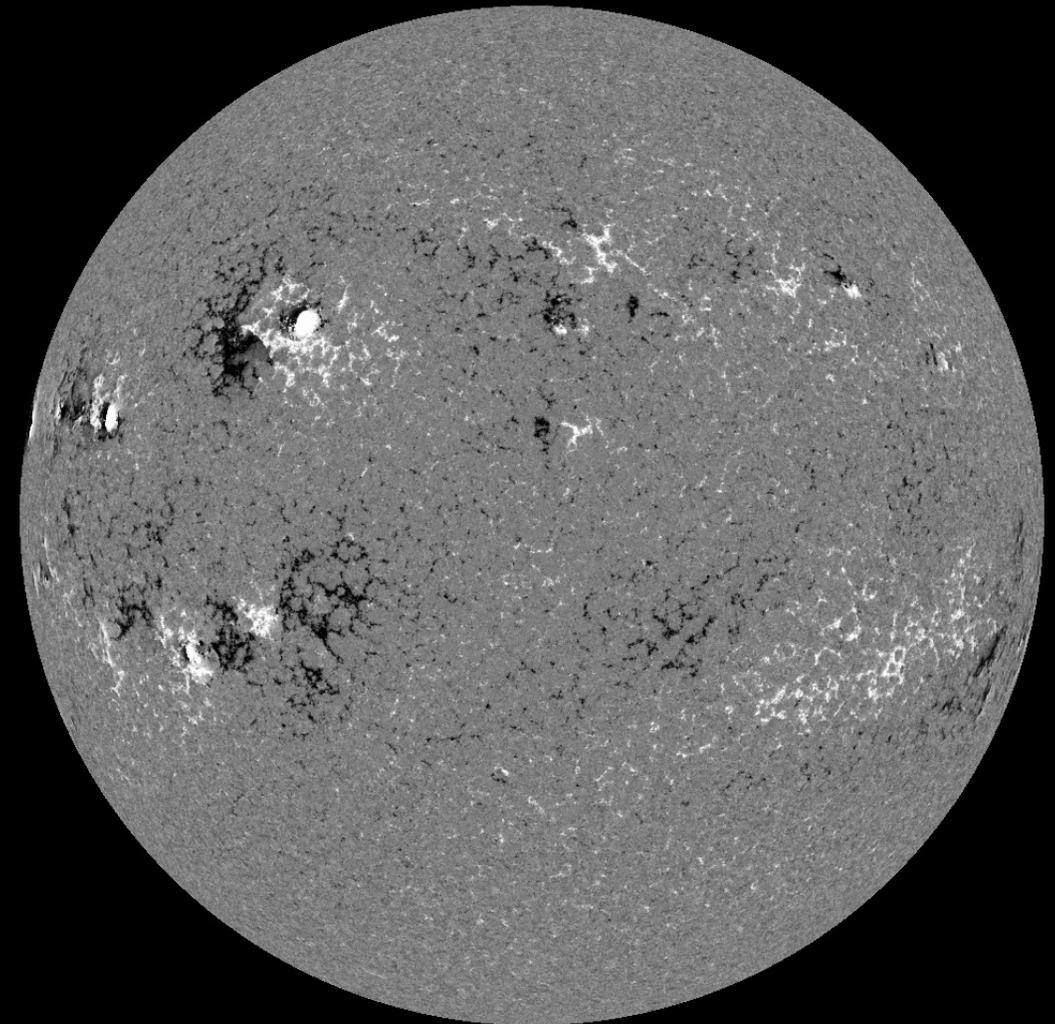
Solar active regions

SDO/HMI White Light 2026-03-01



SDO/HMI Quick-Look Continuum: 20260301_120000

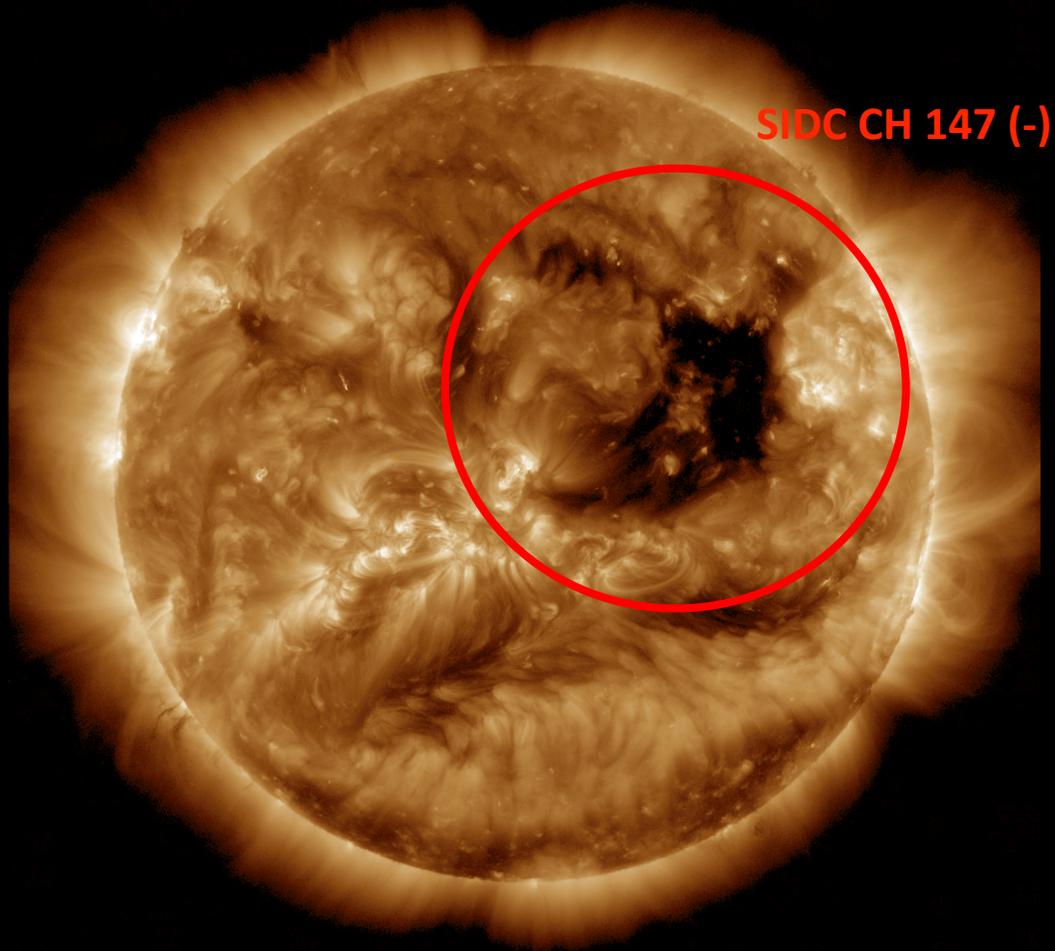
SDO/HMI Magnetogram 2026-03-01



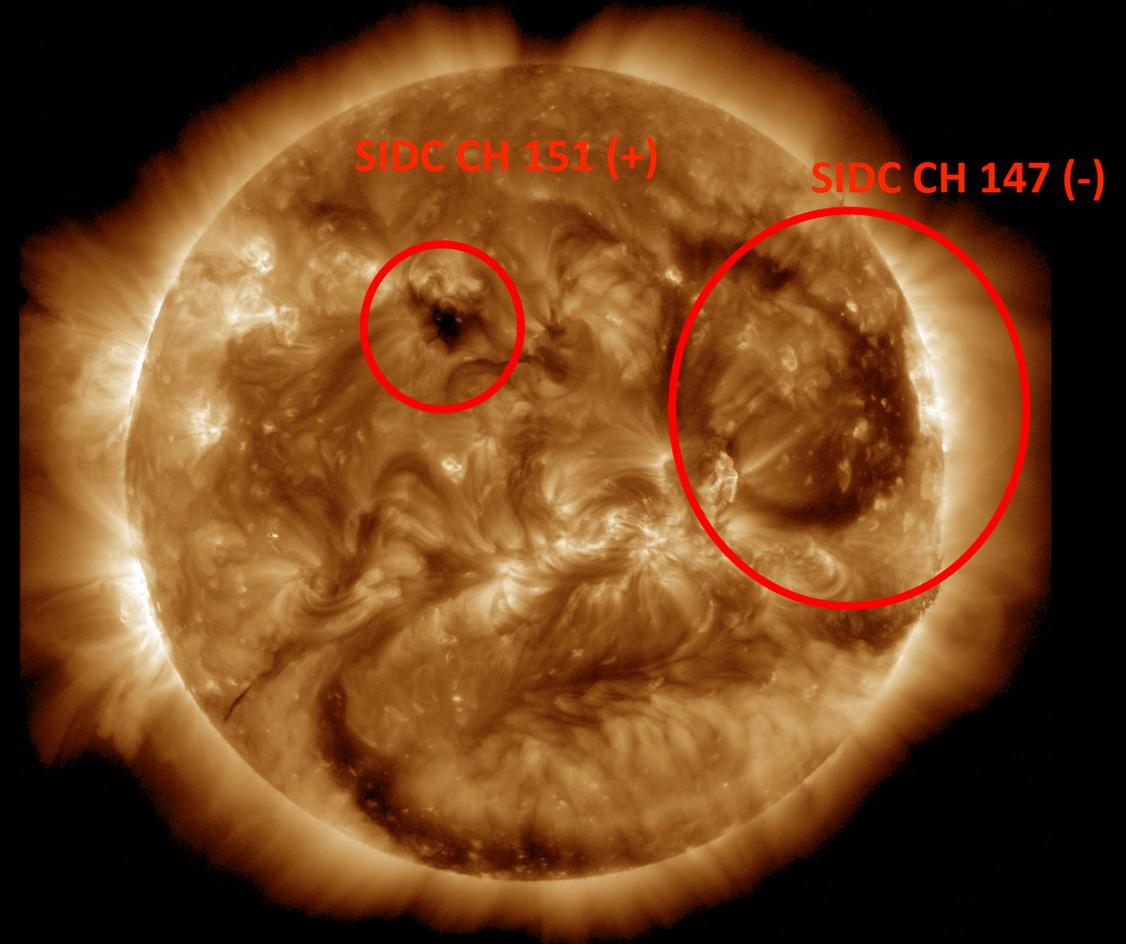
SDO/HMI Quick-Look Magnetogram: 20260301_120000

Coronal holes

SDO/AIA 19.3 nm 2026-02-23

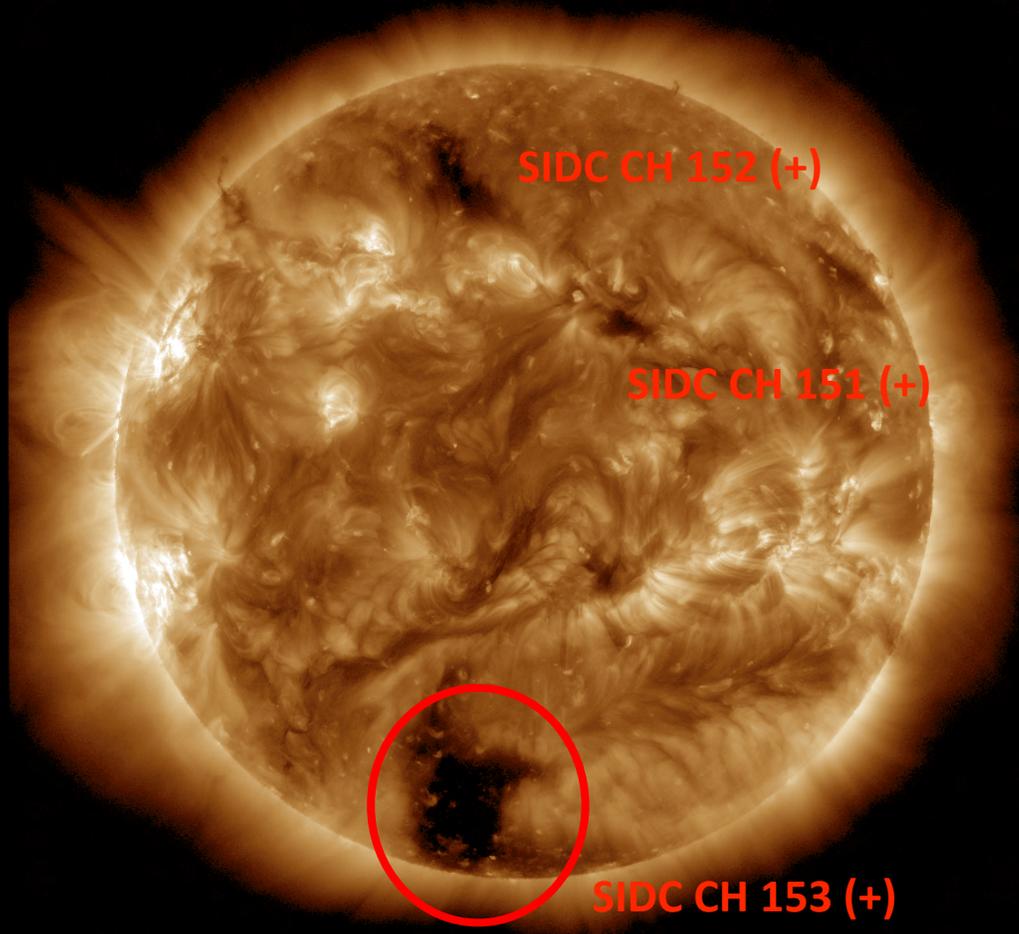


SDO/AIA 19.3 nm 2026-02-25

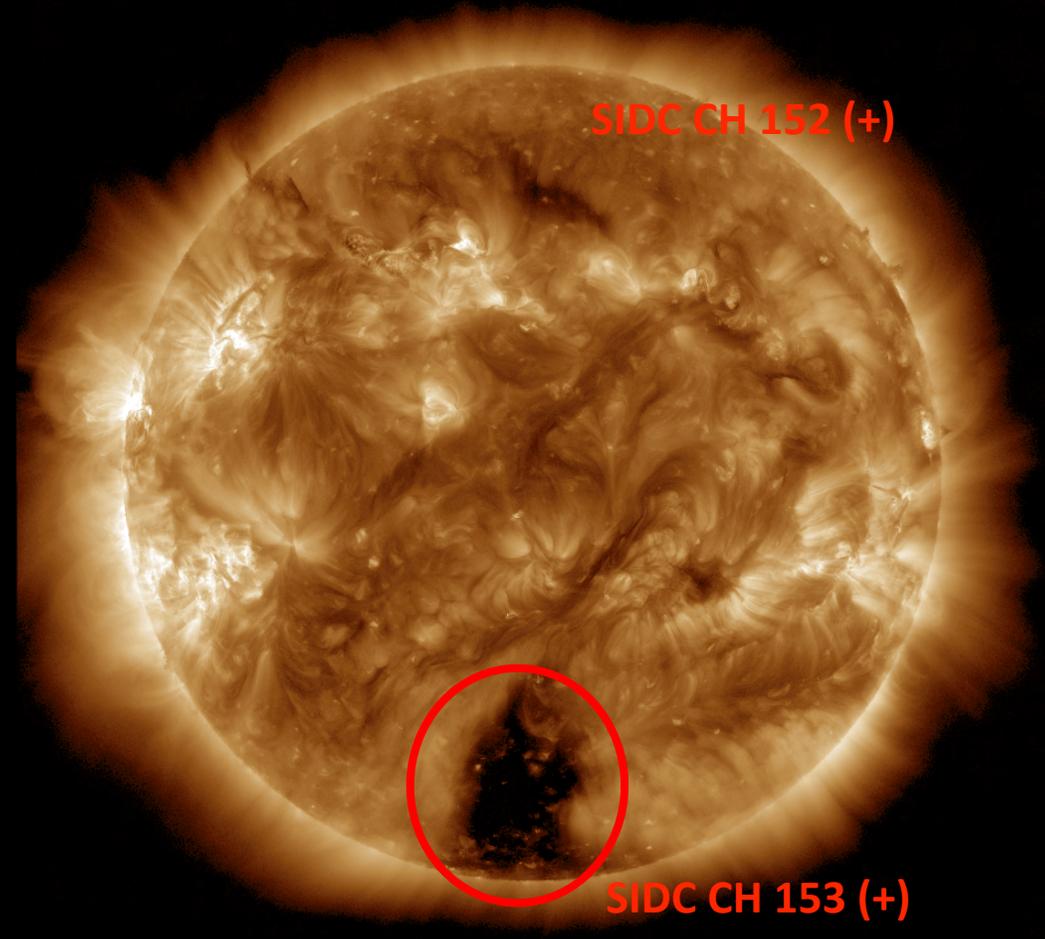


Coronal holes

SDO/AIA 19.3 nm 2026-02-27



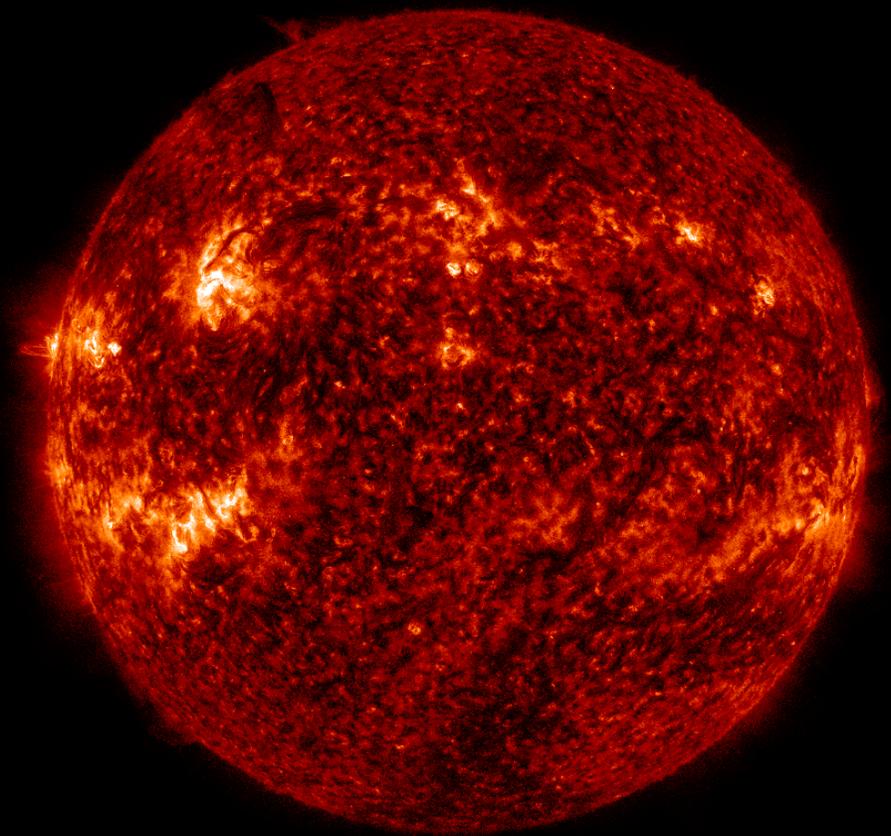
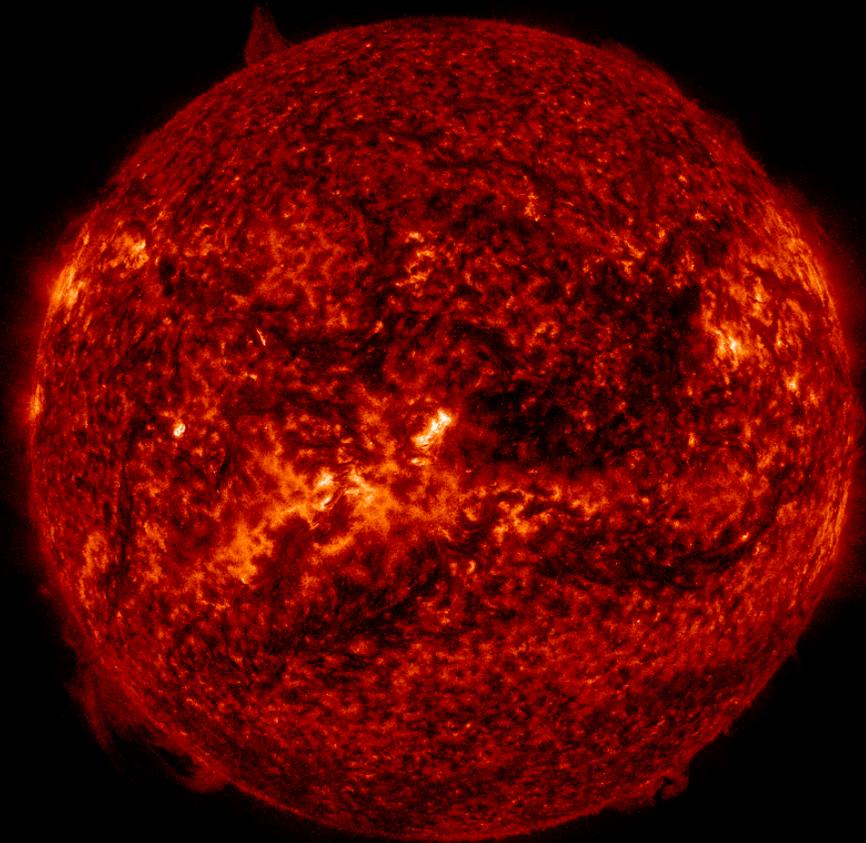
SDO/AIA 19.3 nm 2026-02-28



Filaments

SDO/AIA 30.4 nm 2026-02-23

SDO/AIA 30.4 nm 2026-03-01



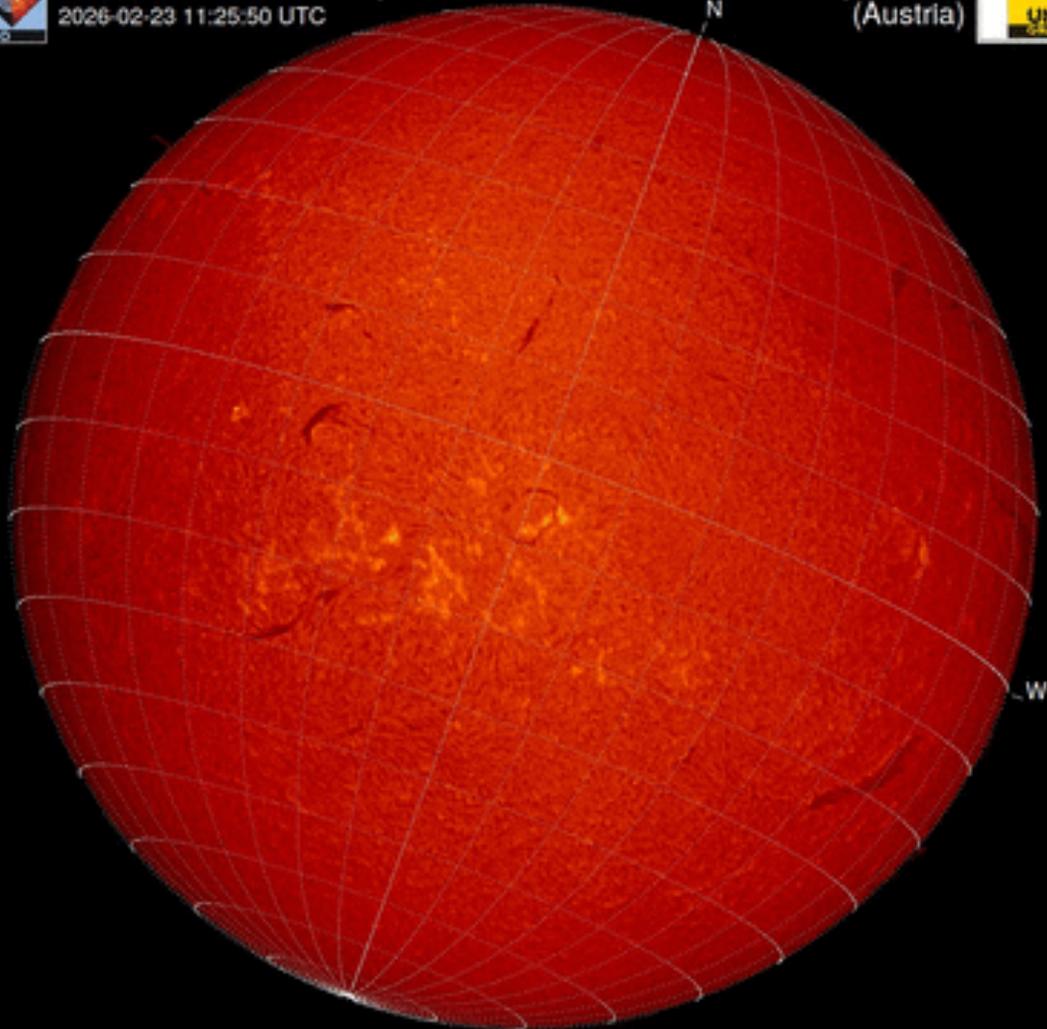
Filaments & Filament eruptions

H-alpha 2026-02-23



Kanzelhöhe Observatory
2026-02-23 11:25:50 UTC

University of Graz
(Austria)

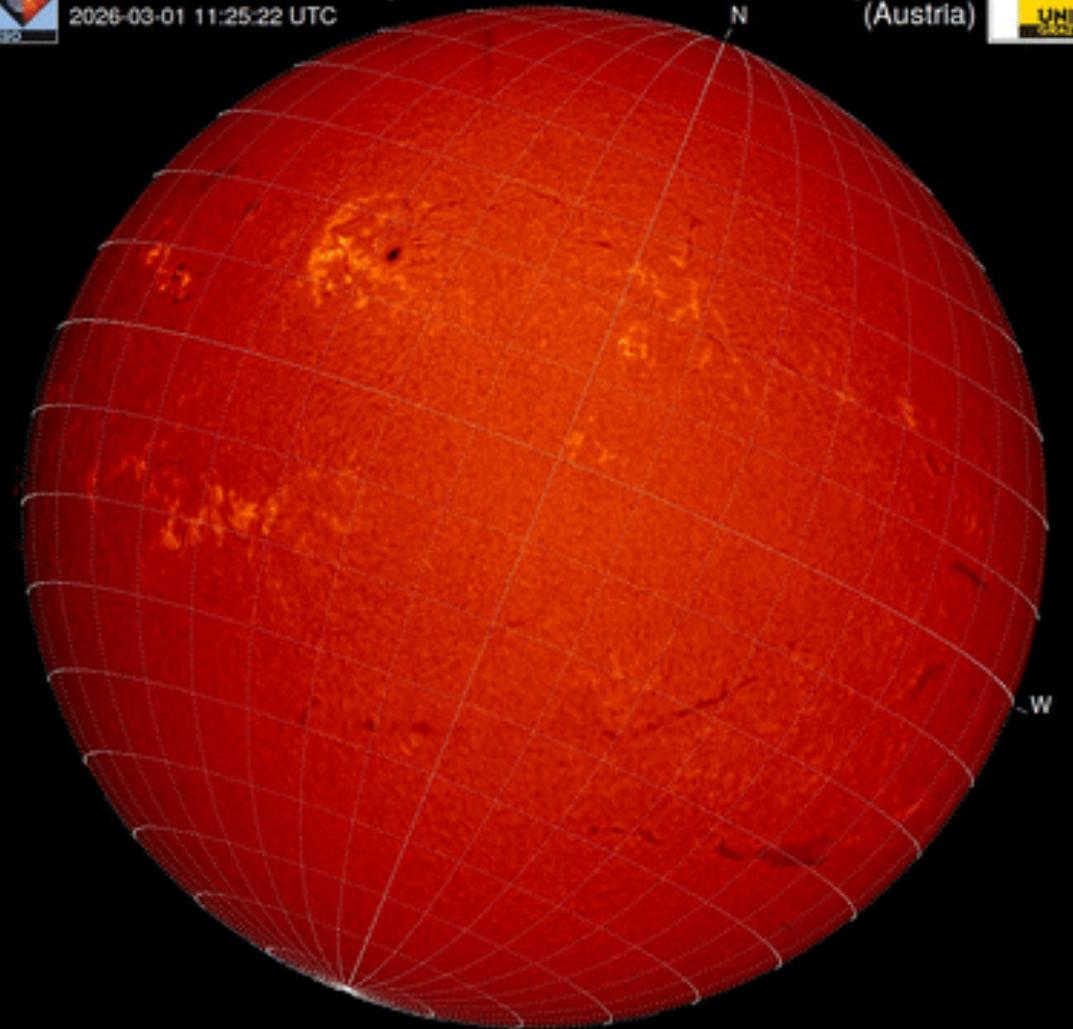


H-alpha 2026-03-01

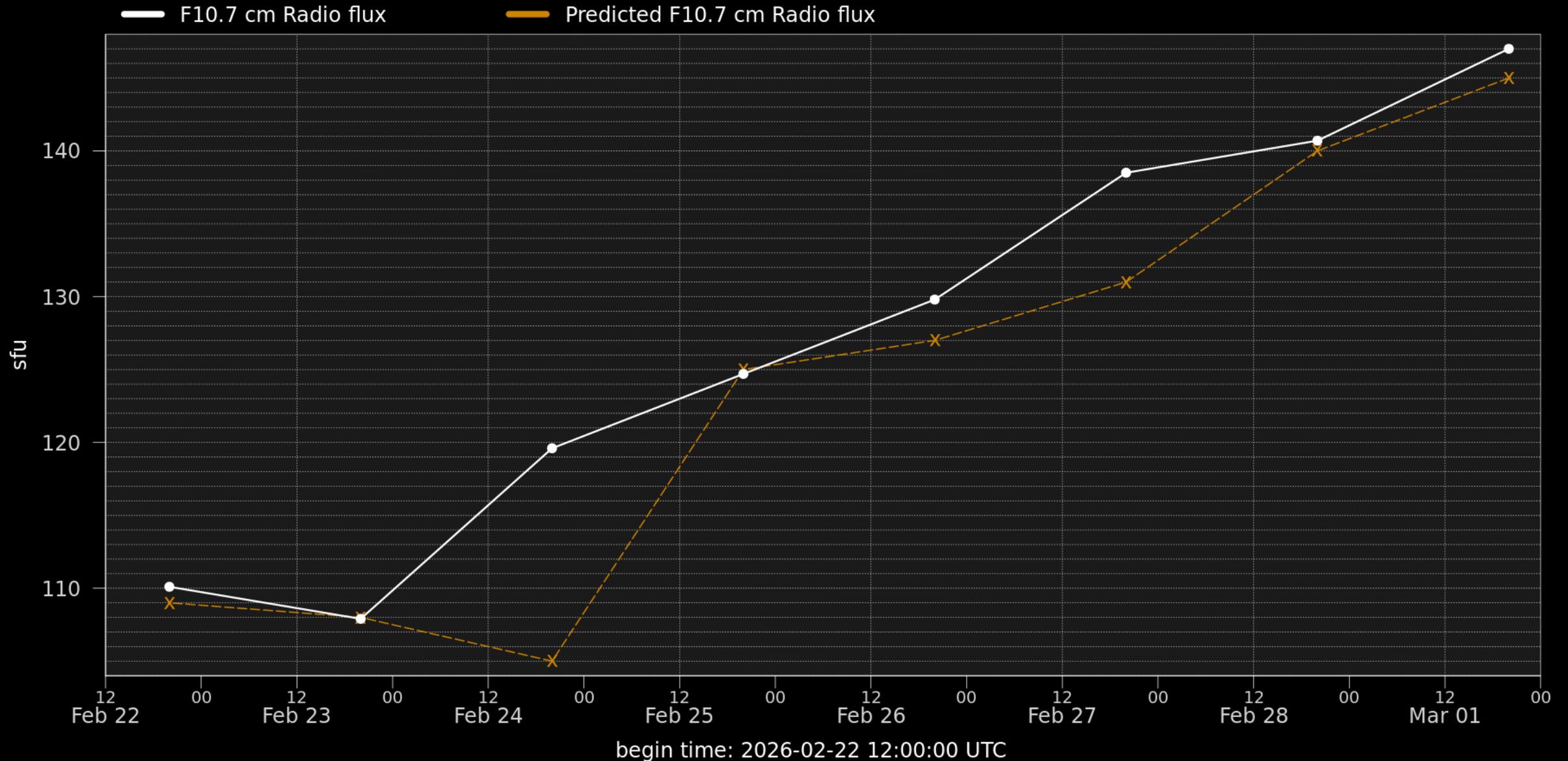


Kanzelhöhe Observatory
2026-03-01 11:25:22 UTC

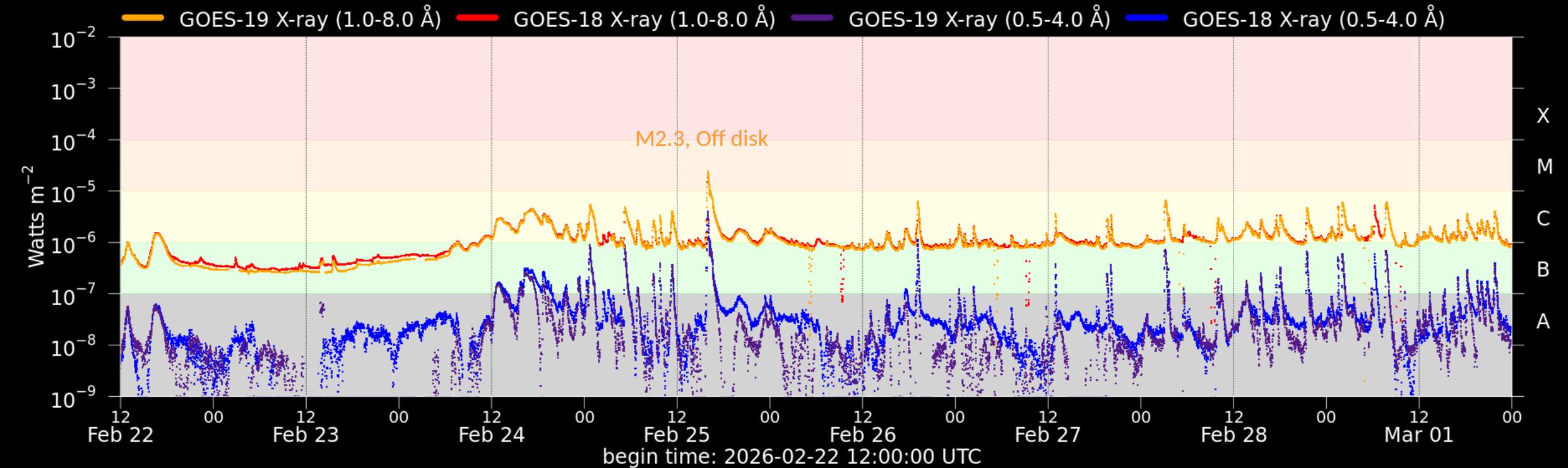
University of Graz
(Austria)



Solar F10.7cm radio flux



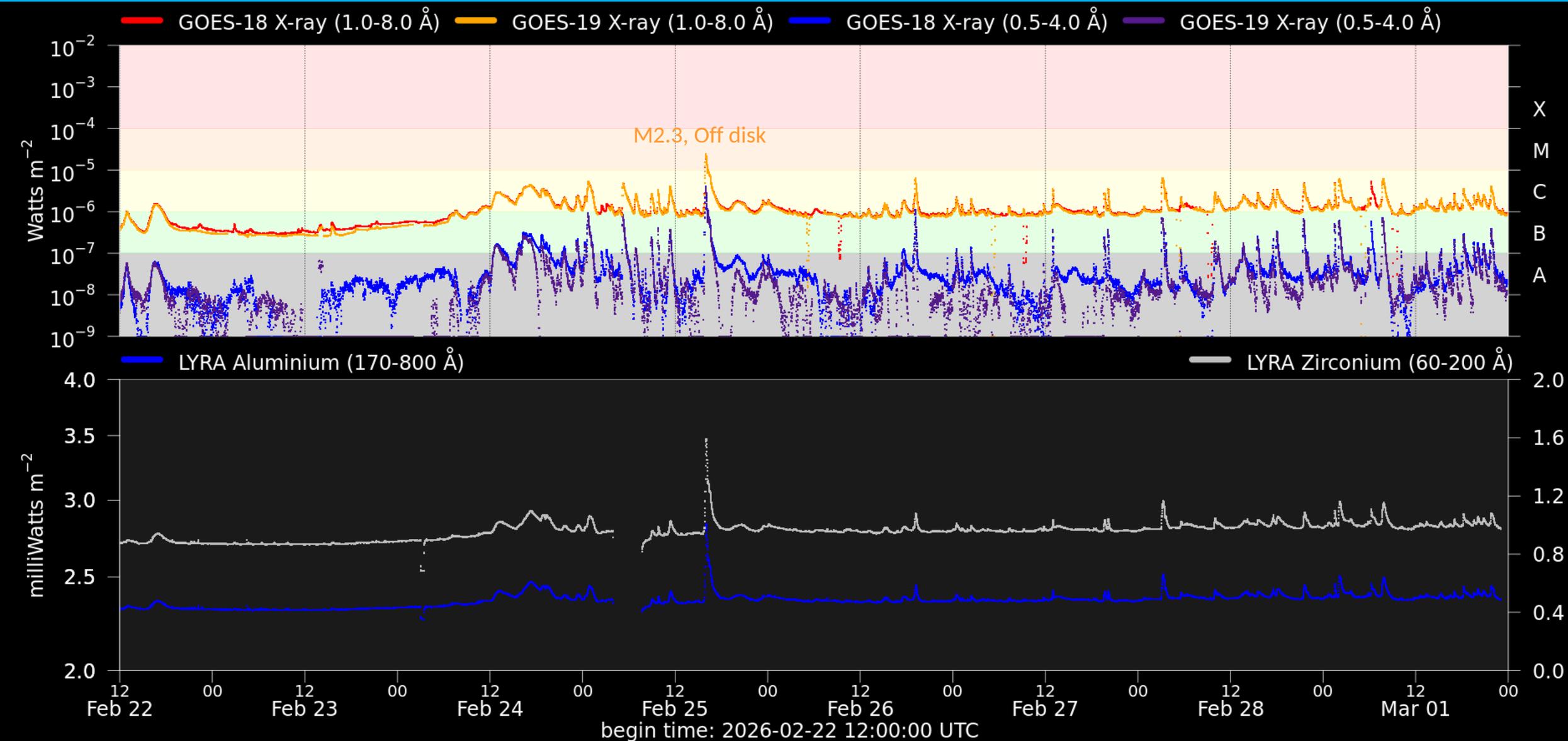
Flaring activity



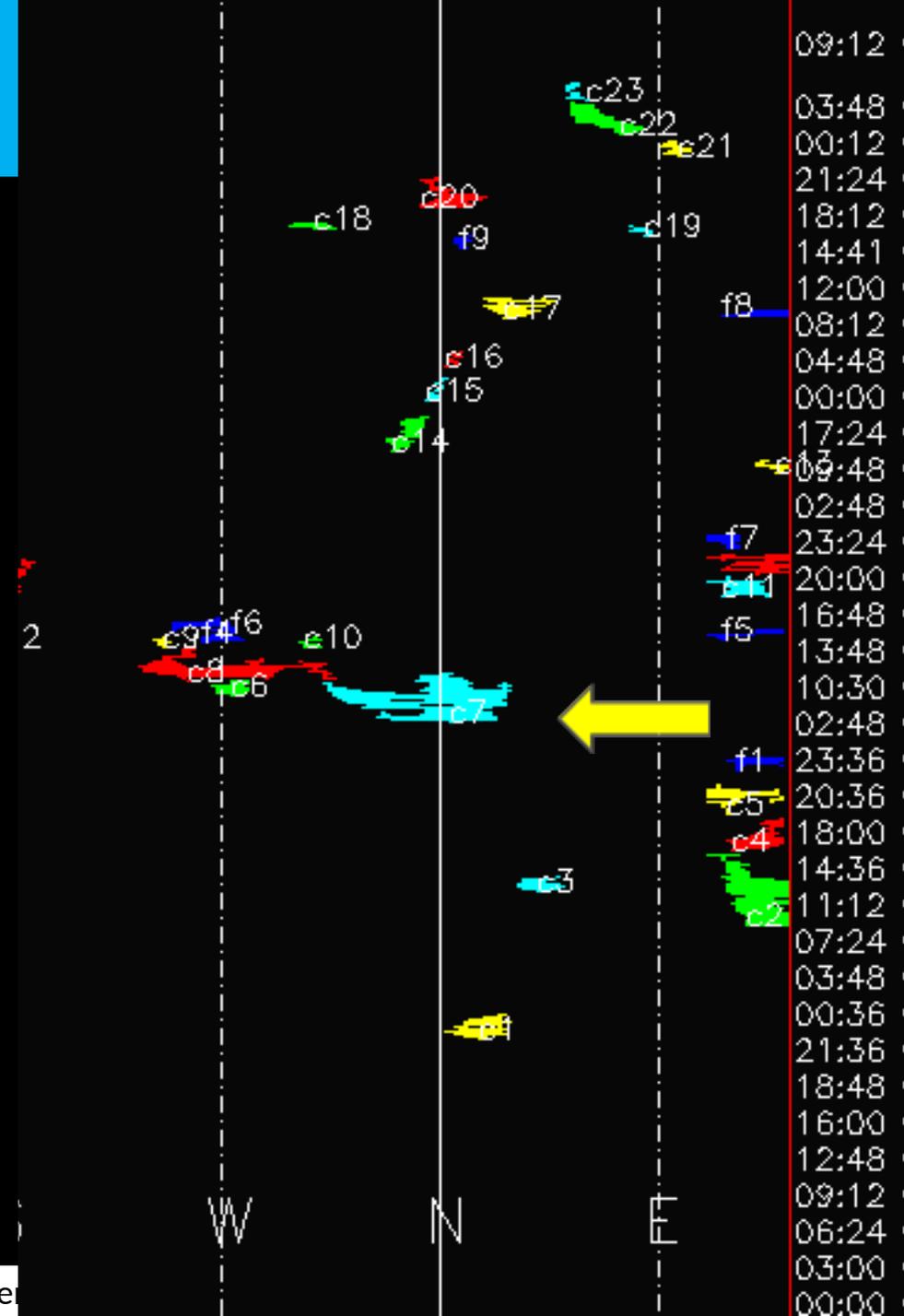
Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-02-22	2026-02-23	2026-02-24	2026-02-25	2026-02-26	2026-02-27	2026-02-28	2026-03-01
Probability (%)	94 40 01	83 24 01	90 35 01	72 23 01	33 08 01	04 01 01	08 01 01	50 01 01
Observed (#)	00 00 00	00 00 00	07 00 00	00 01 00	07 00 00	07 00 00	11 00 00	09 00 00

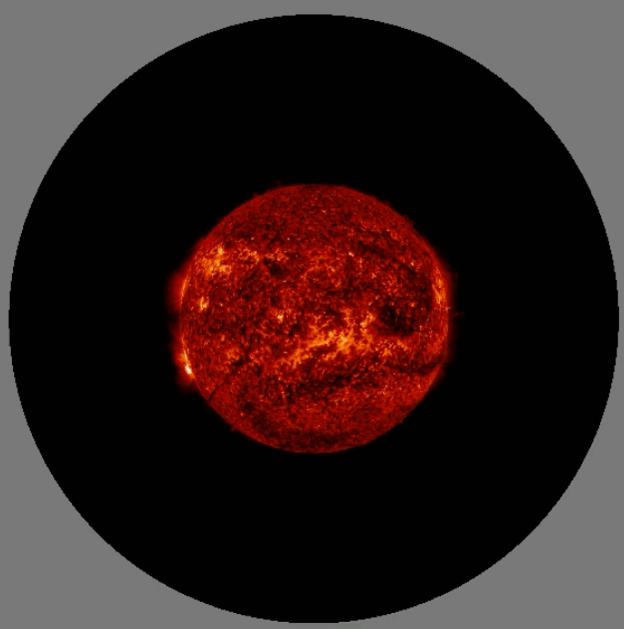
Solar X-Ray and UV flux



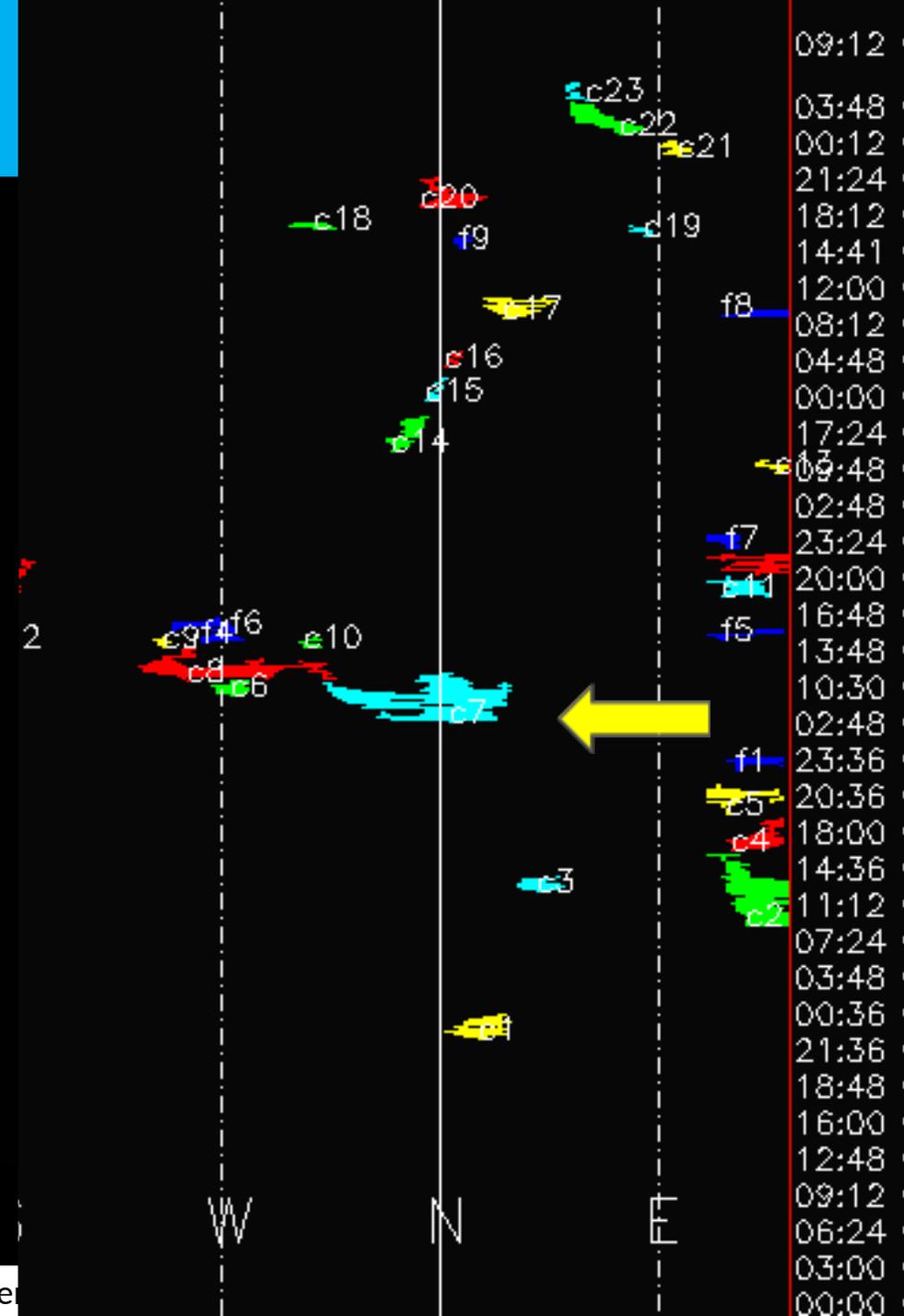
Coronal Mass Ejections



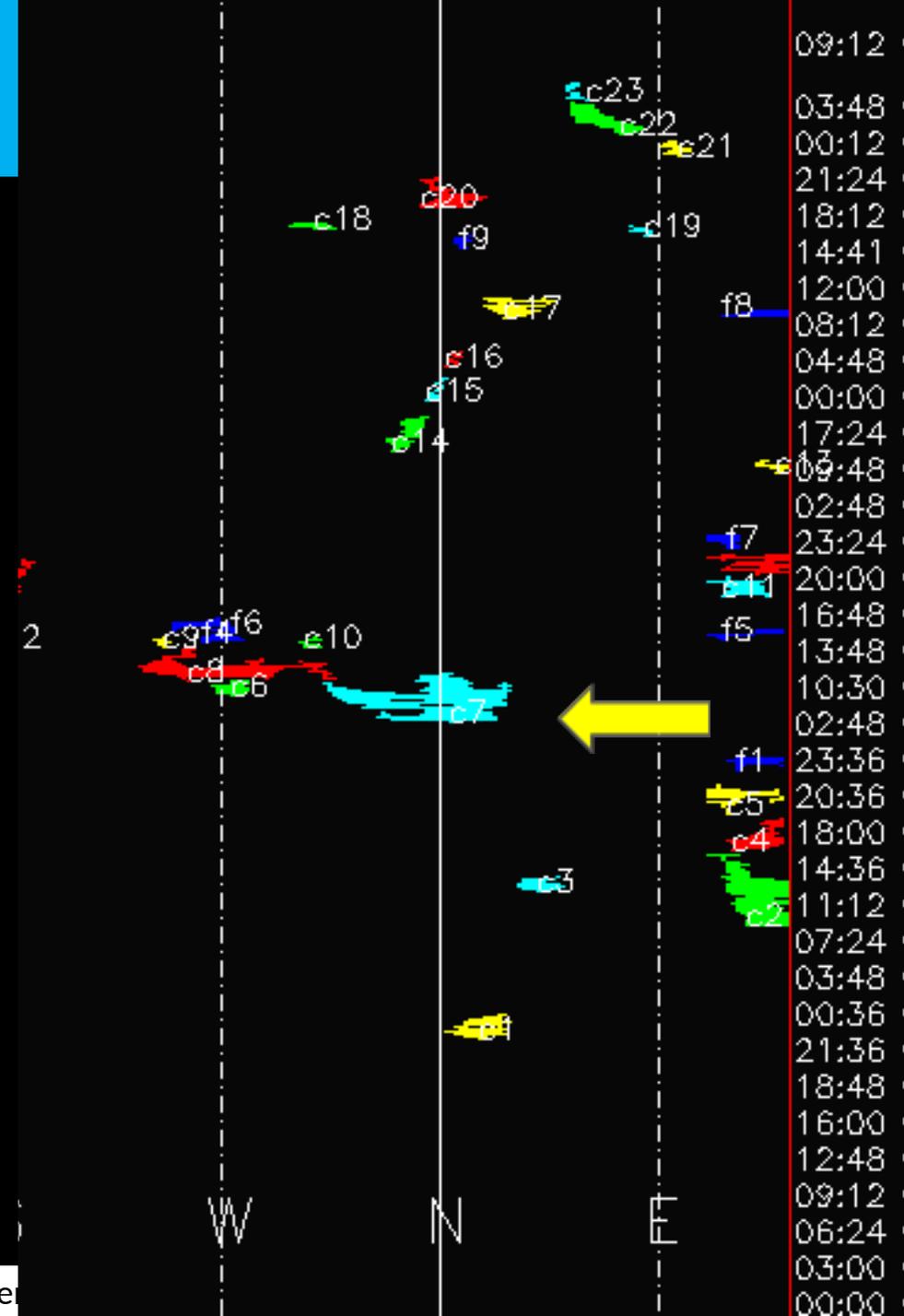
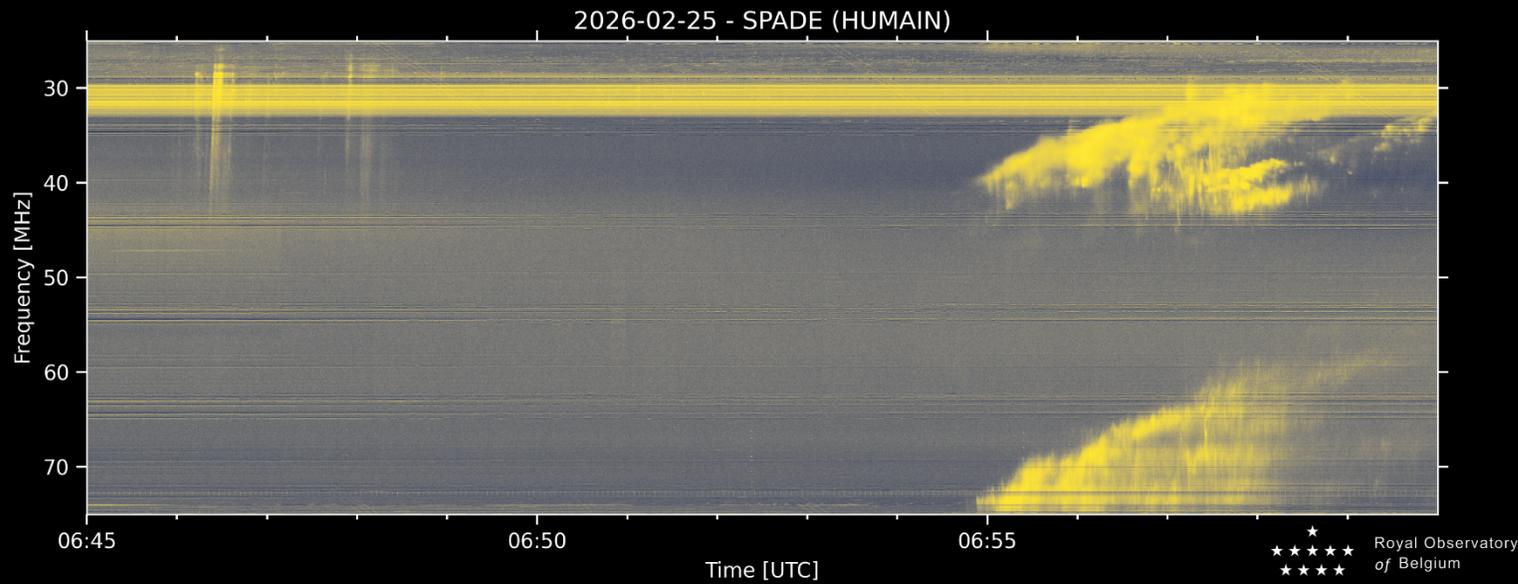
Coronal Mass Ejections



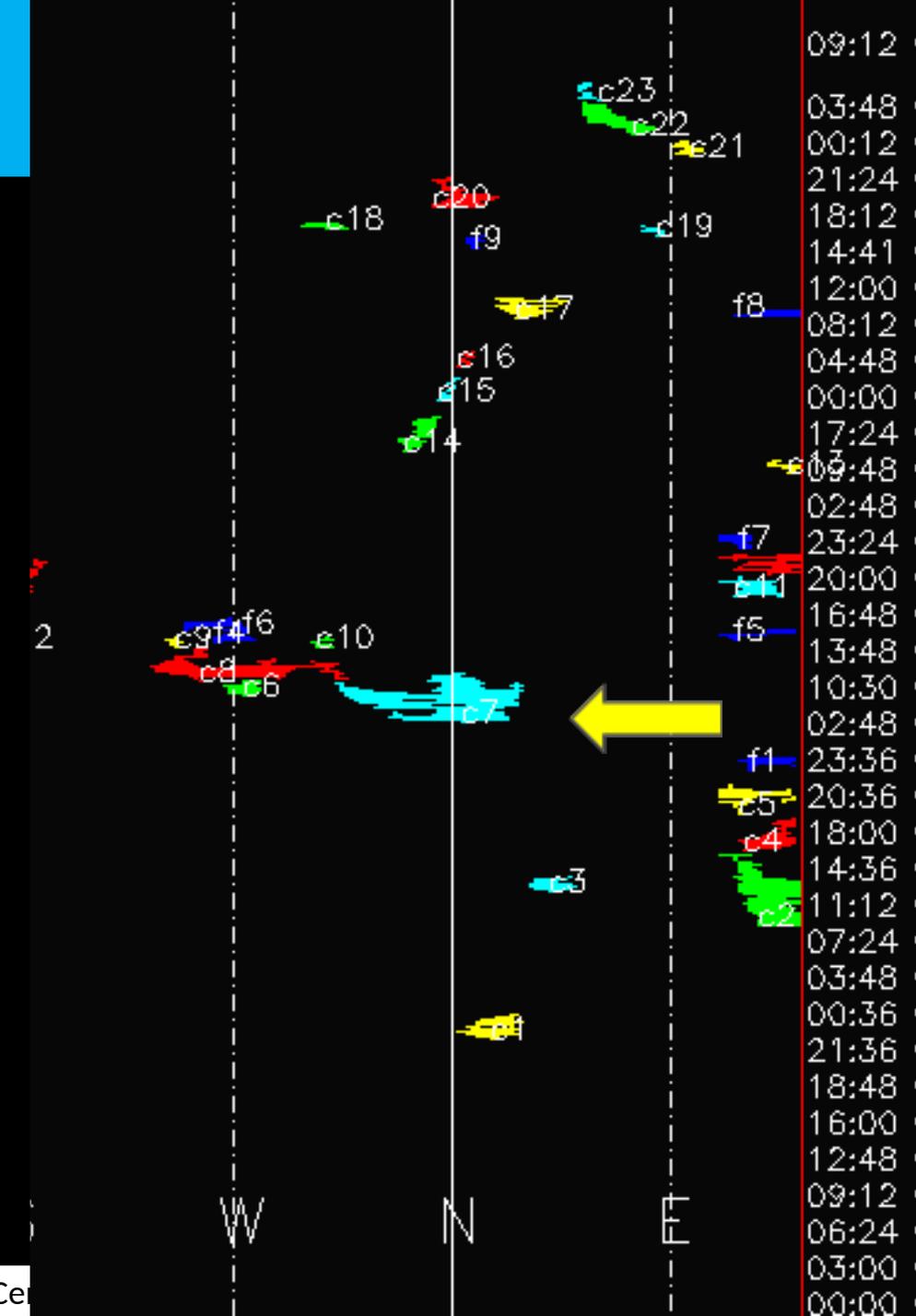
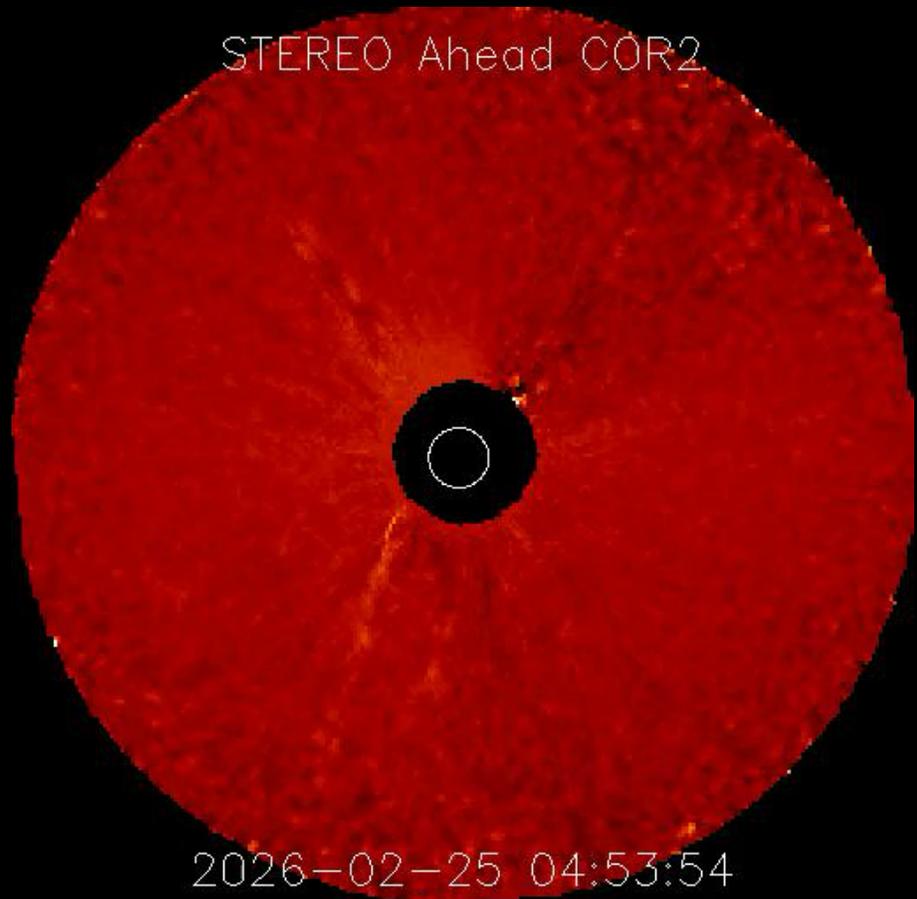
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Coronal Mass Ejections



Coronal Mass Ejections



Solar Wind and

Geomagnetic Activity

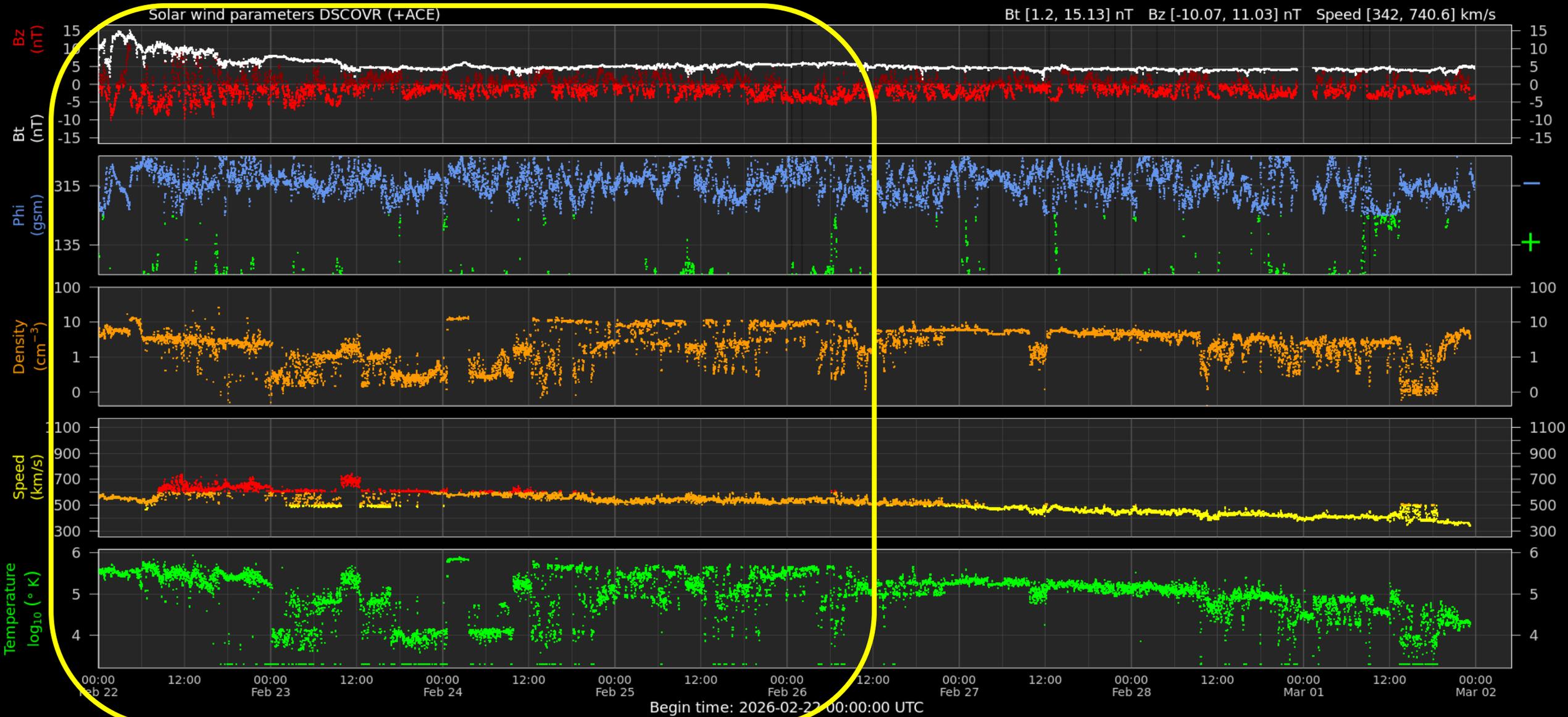


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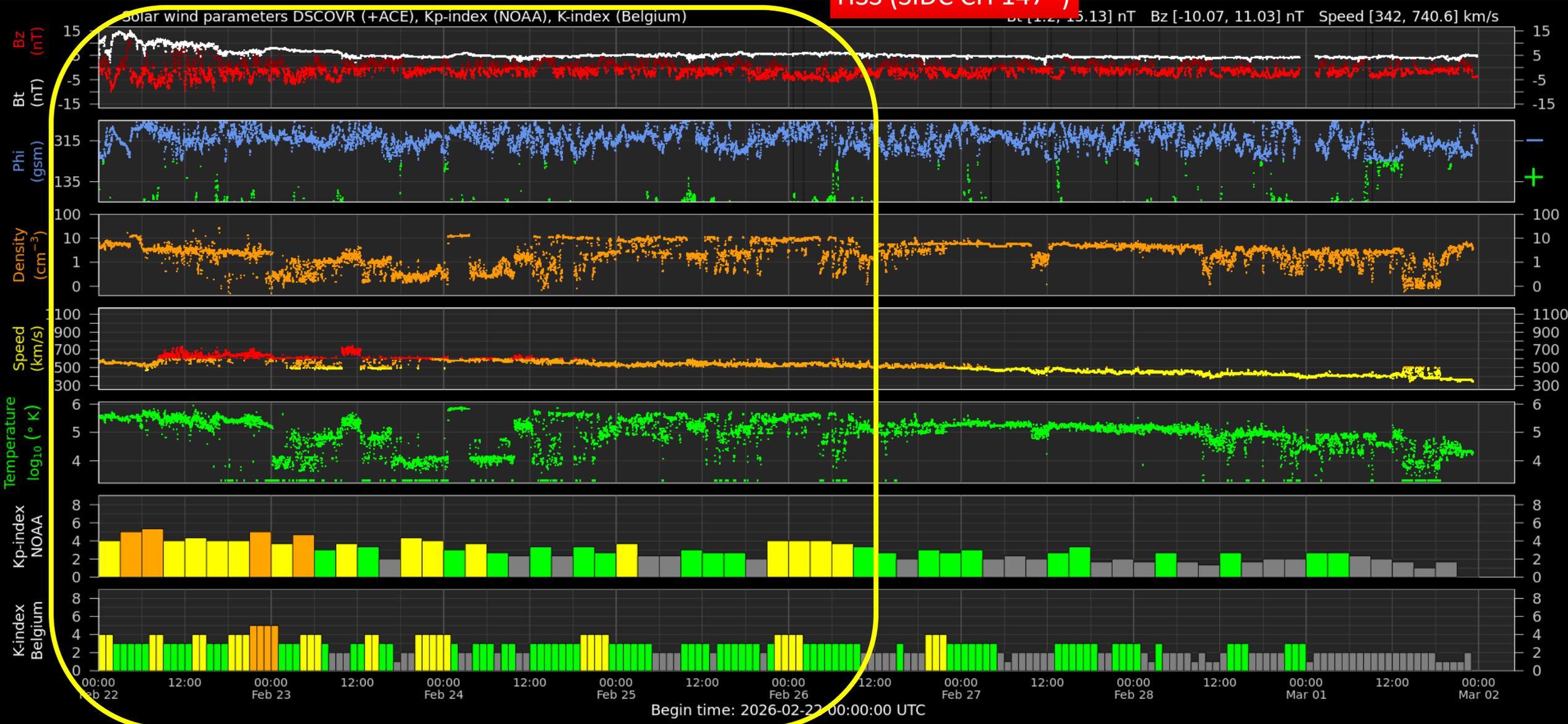
Solar wind parameters

HSS (SIDC CH 147 -)



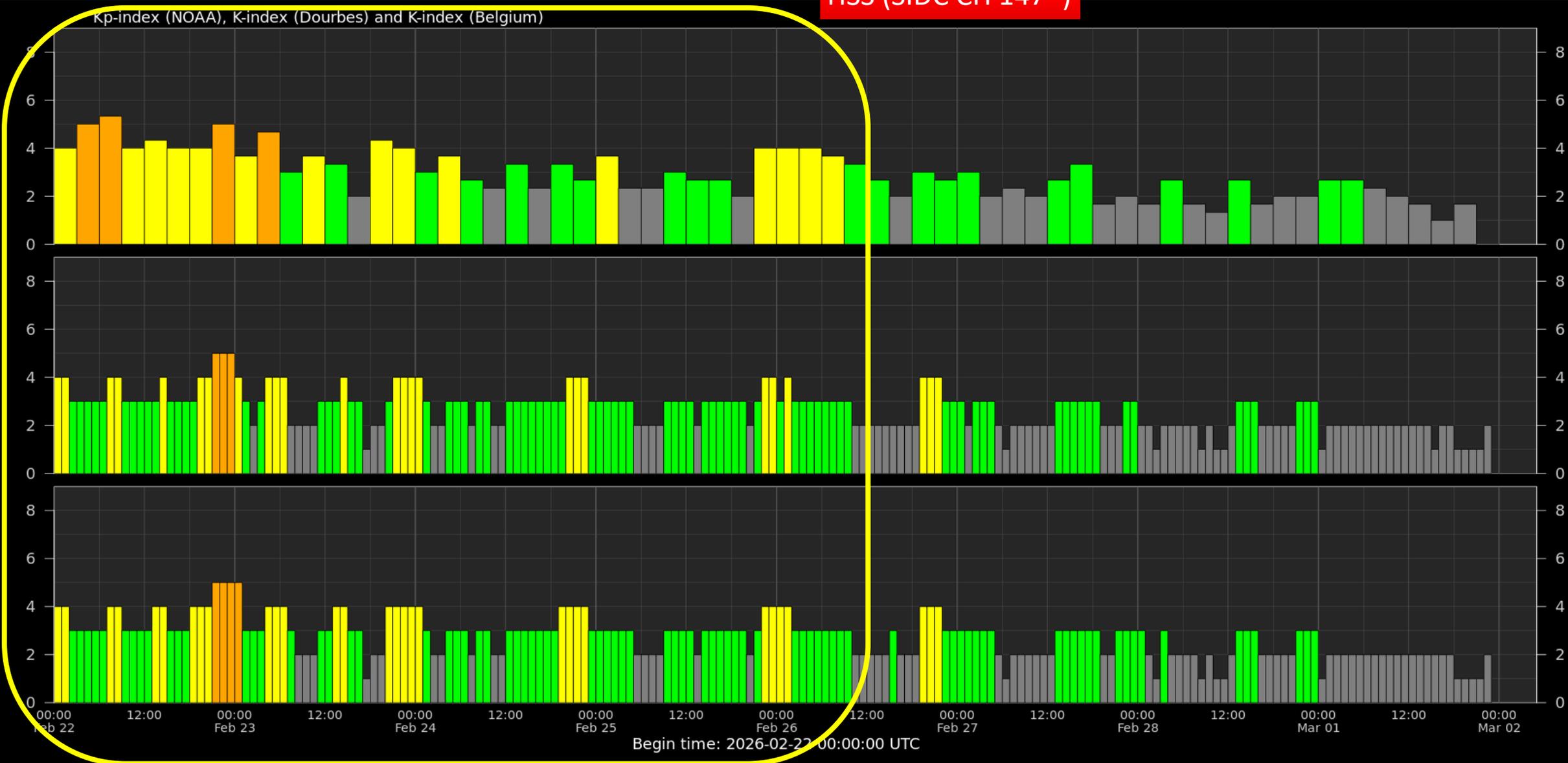
Solar wind parameters & K-indices

HSS (SIDC CH 147 -)



Geomagnetic activity (K-indexes)

HSS (SIDC CH 147 -)



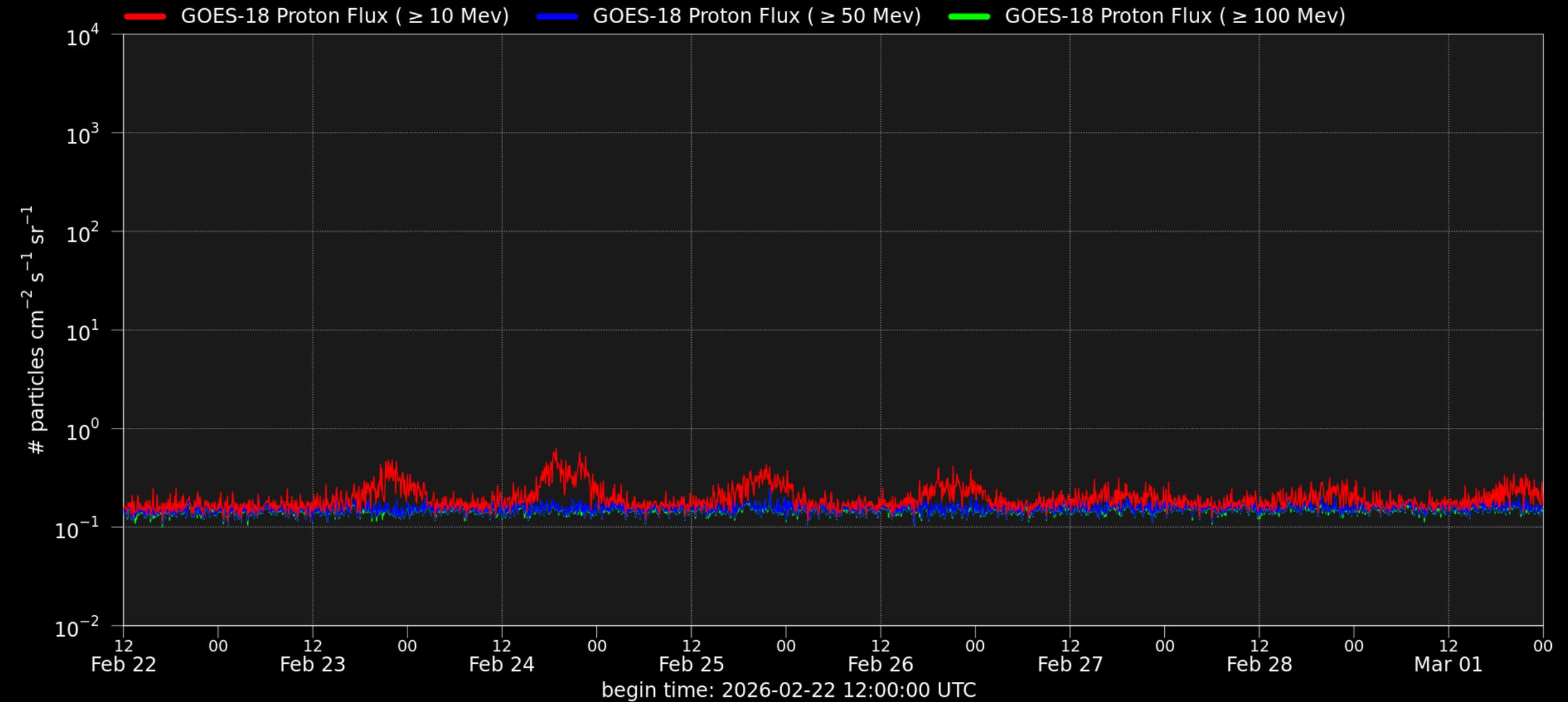
Energetic Particles



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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



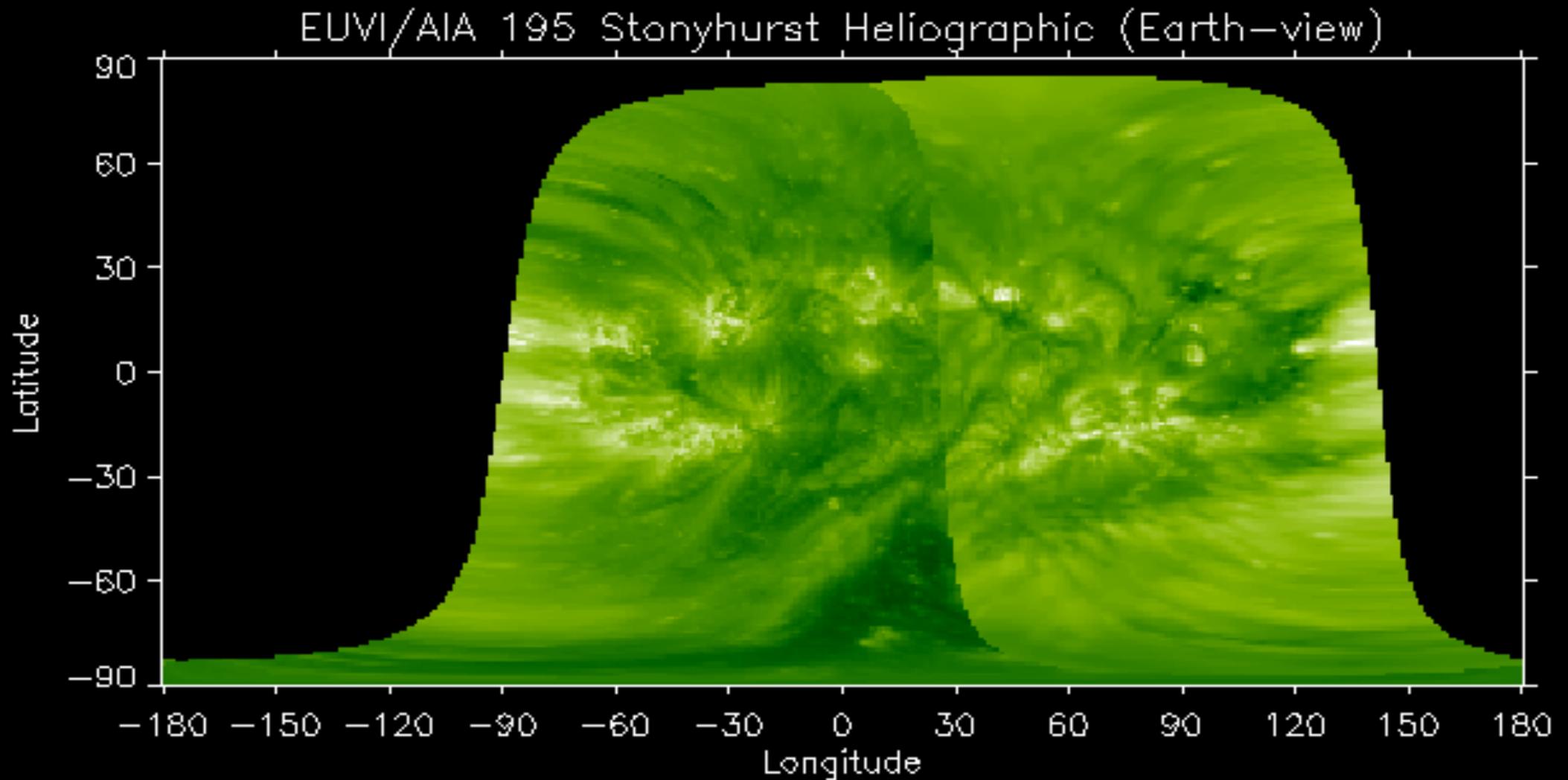
Outlook



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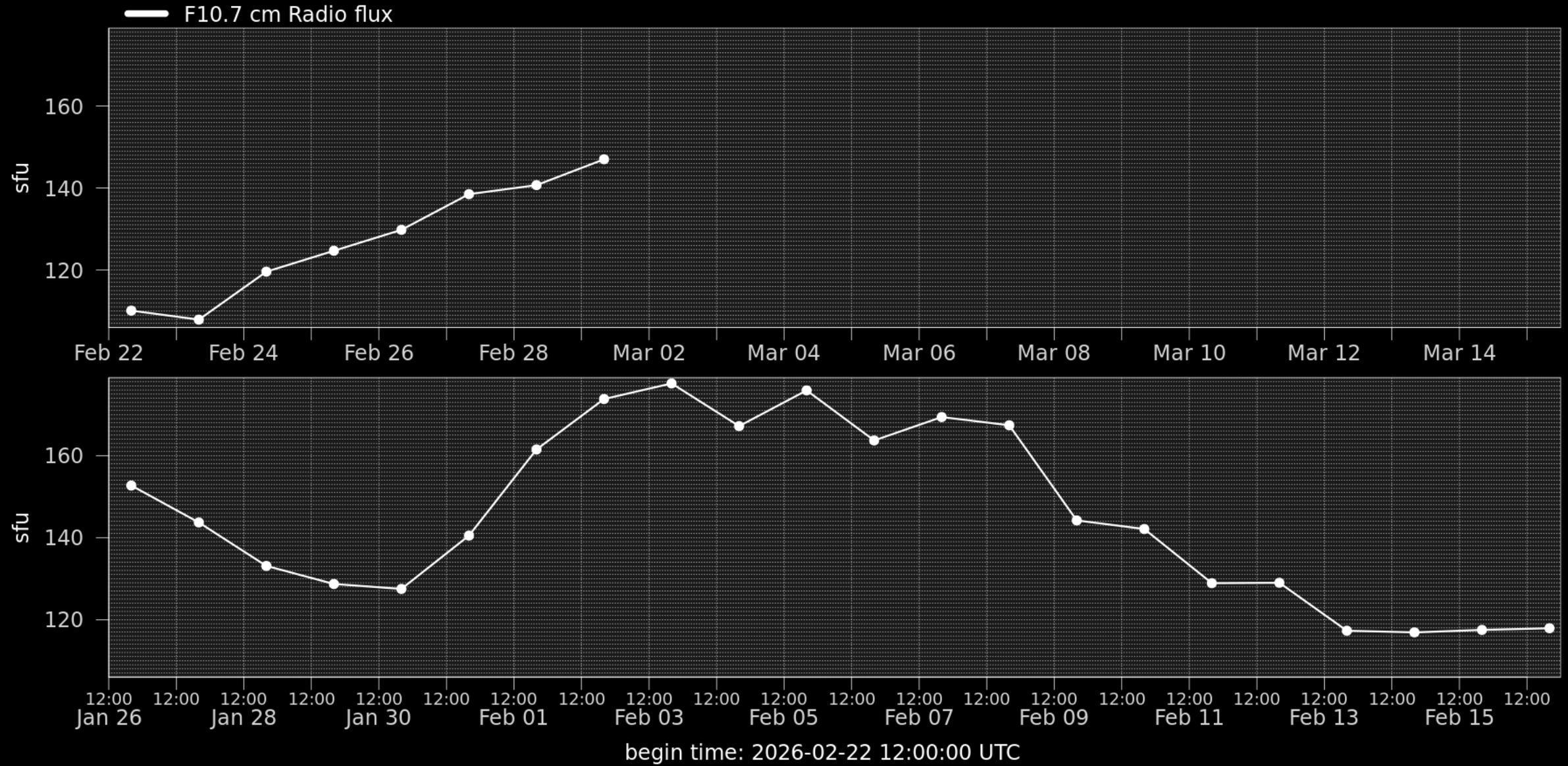
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Data analysis Centre
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Outlook: Solar activity

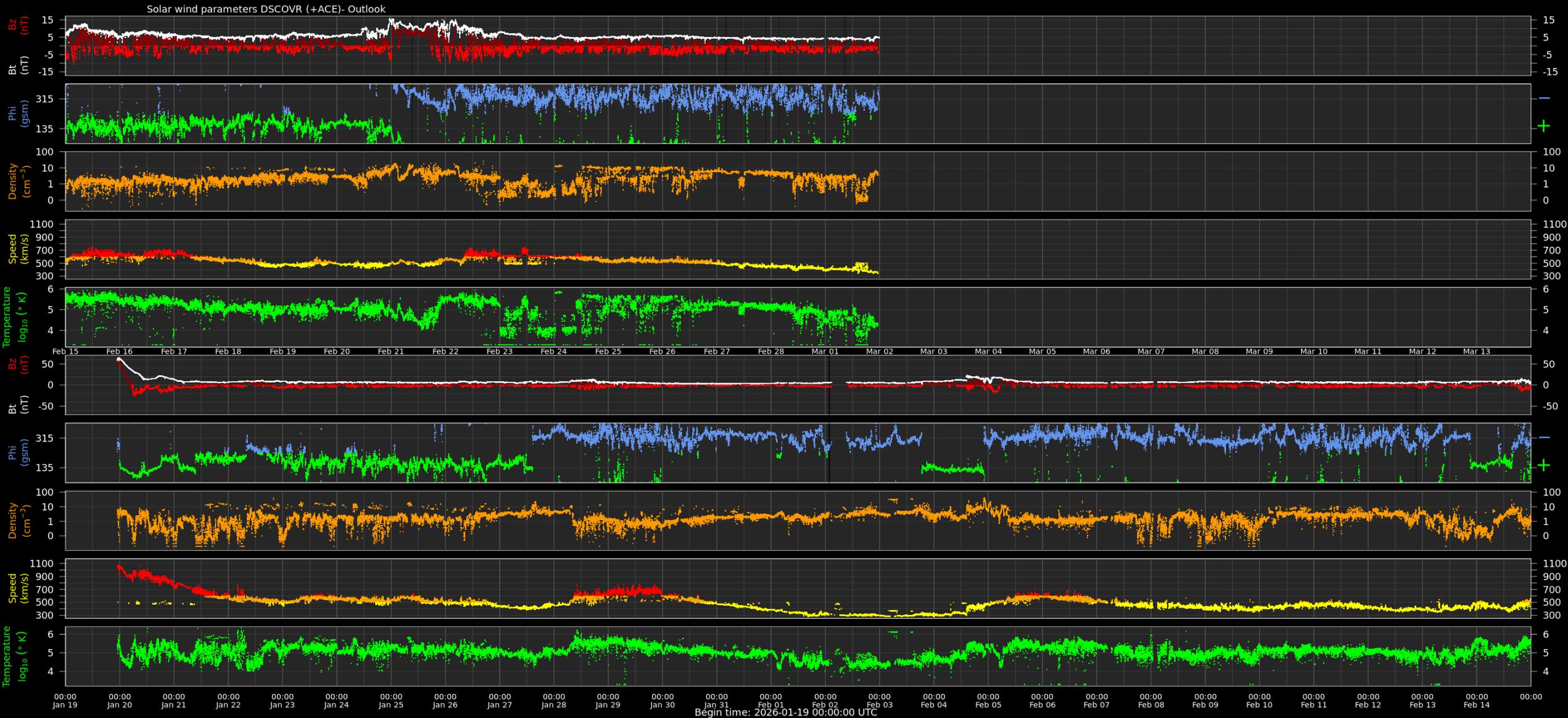


Observation date: 2026/03/01 16:35:00

Outlook: Solar F10.7cm radio flux



Outlook: Solar wind parameters



Outlook: Geomagnetic activity



Outlook: Electron Flux at GEO Outlook



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Pecarus related events

GNSS Scintillation Advisories

SIDC Space Weather Briefing

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