

SIDC Space Weather Briefing

02 March 2026-08 March 2026

Millas Dimitrios

& the SIDC forecaster team



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-02-02 00:00 to 2026-02-08 23:59

Active regions	13 / briefly magnetically complex: SIDC 801 ($\beta\delta$); SIDC 803 ($\beta\gamma$)
Flares	# C-class flare: 23 # M-class flare: 0 # X-class flare: 0
Coronal Holes	3 positive / 2 negative
CMEs	A few / No Earth directed

Proton flux	Nominal
Electron flux	Exceeded the 1000 pfu threshold

Solar wind and geomagnetic conditions

ICMEs	None
Solar wind conditions	B : 0.69 - 12.3 nT //Bz: -9.84 nT to 10.77 nT //Speed: 340 – 680 km/s
Geomagnetic conditions	max K _{Bel} : 5.0, max K _p (NOAA): 5.0, Minor Storm conditions

All Quiet Alert: Off

Solar Activity

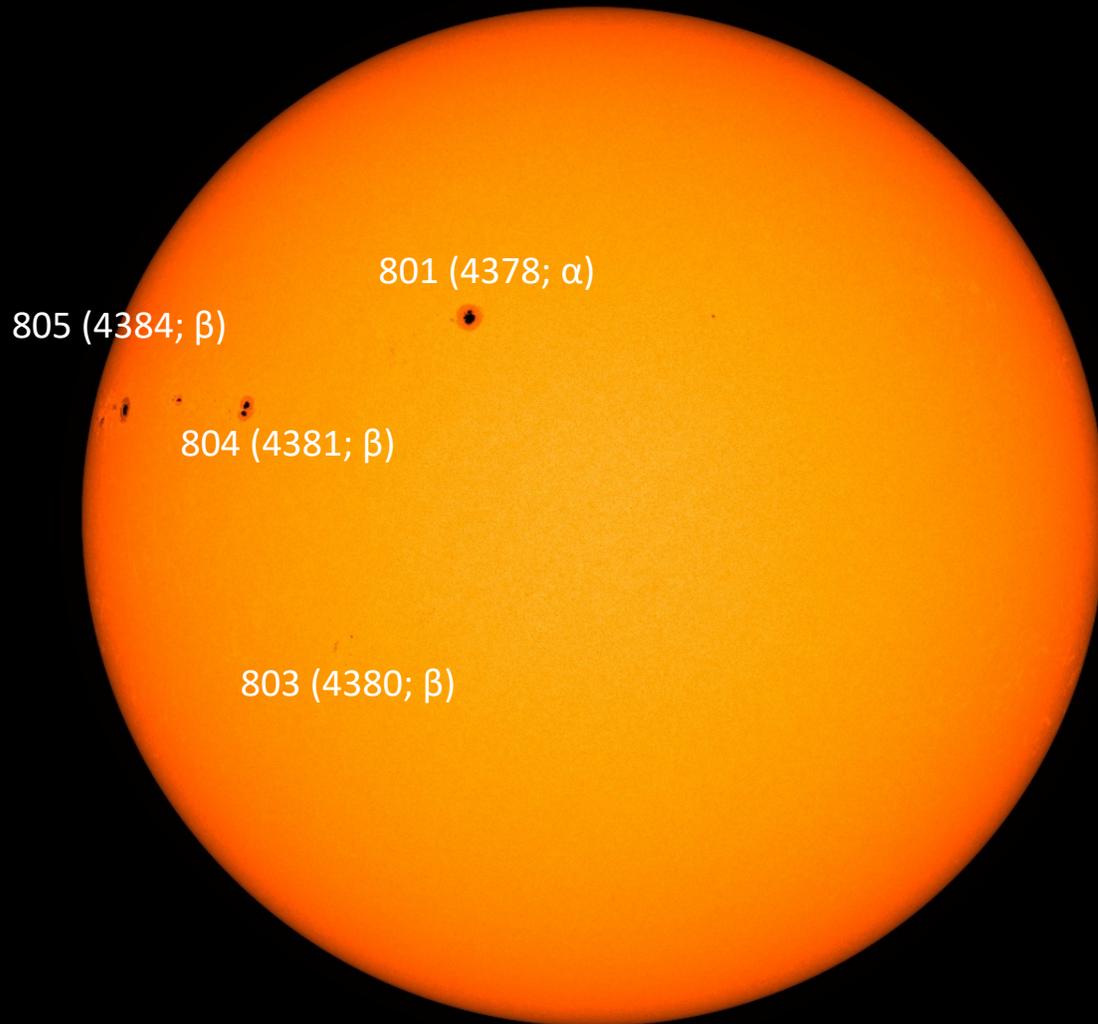


Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

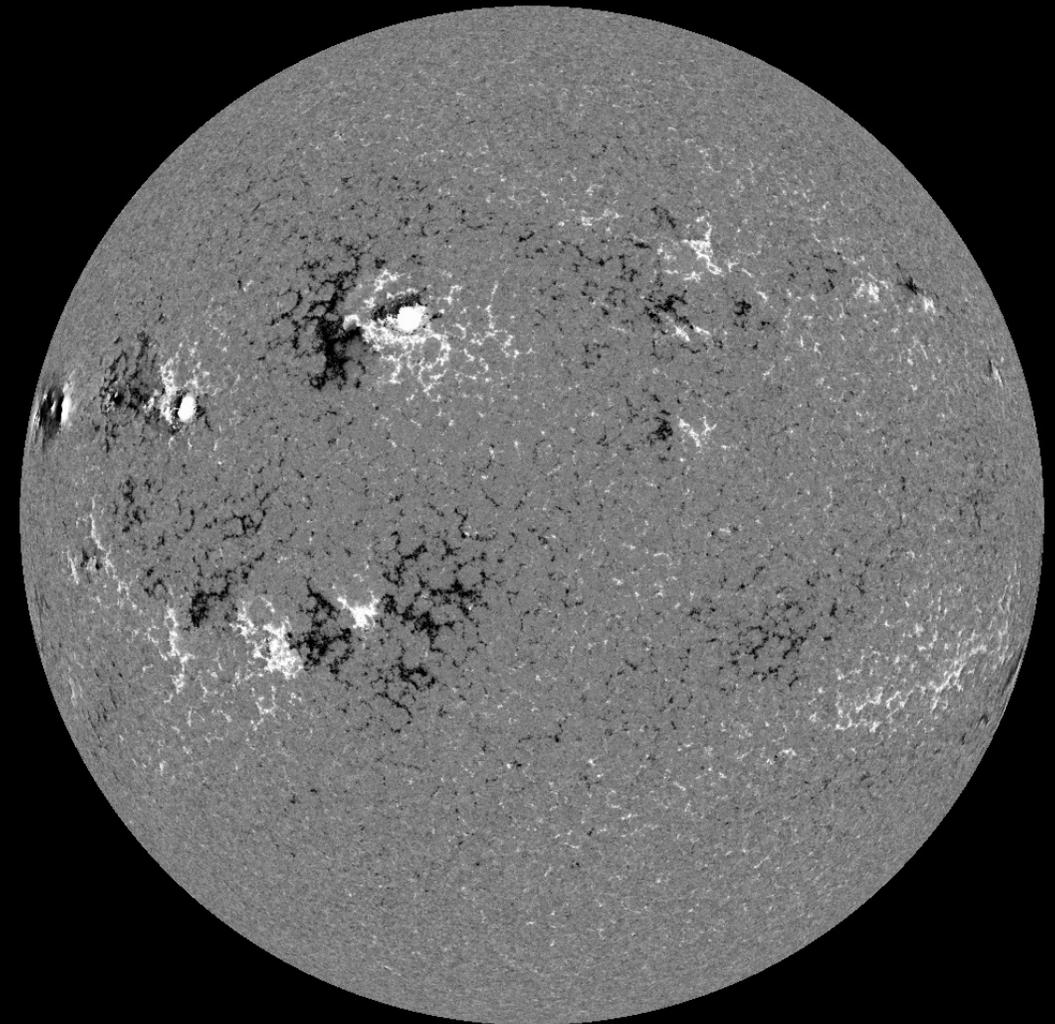
Solar active regions

SDO/HMI White Light 2026-03-02



SDO/HMI Continuum: 20260302_120000

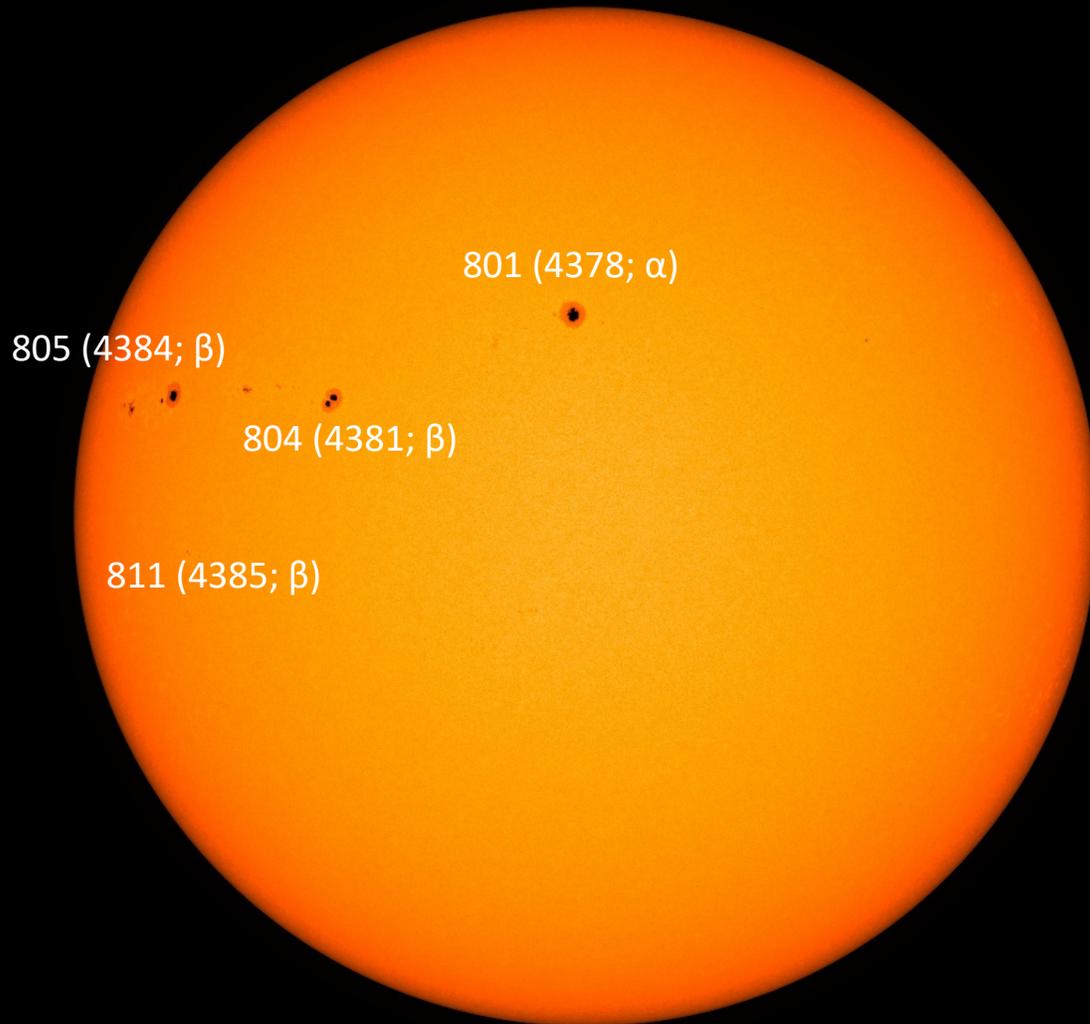
SDO/HMI Magnetogram 2026-03-02



SDO/HMI Magnetogram: 20260302_120000

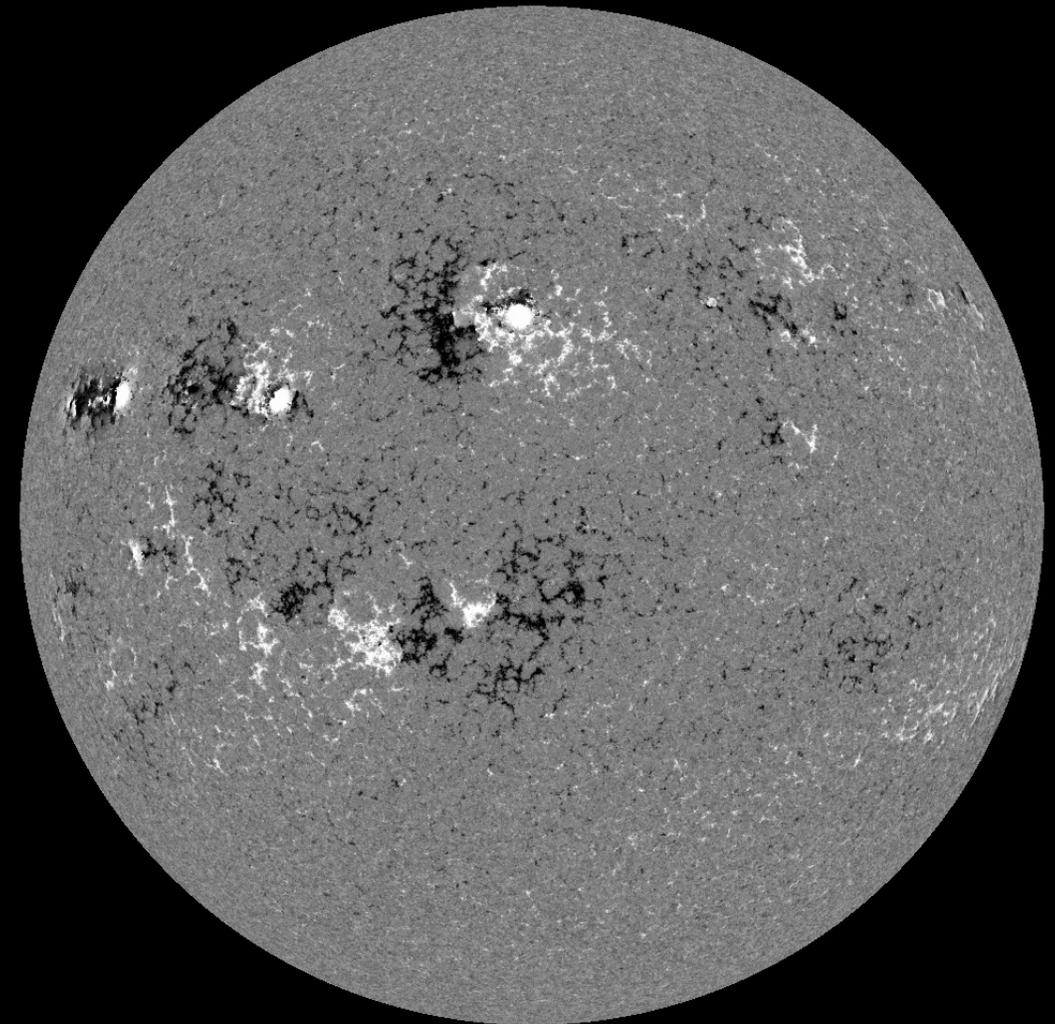
Solar active regions

SDO/HMI White Light 2026-03-03



SDO/HMI Continuum: 20260303_120000

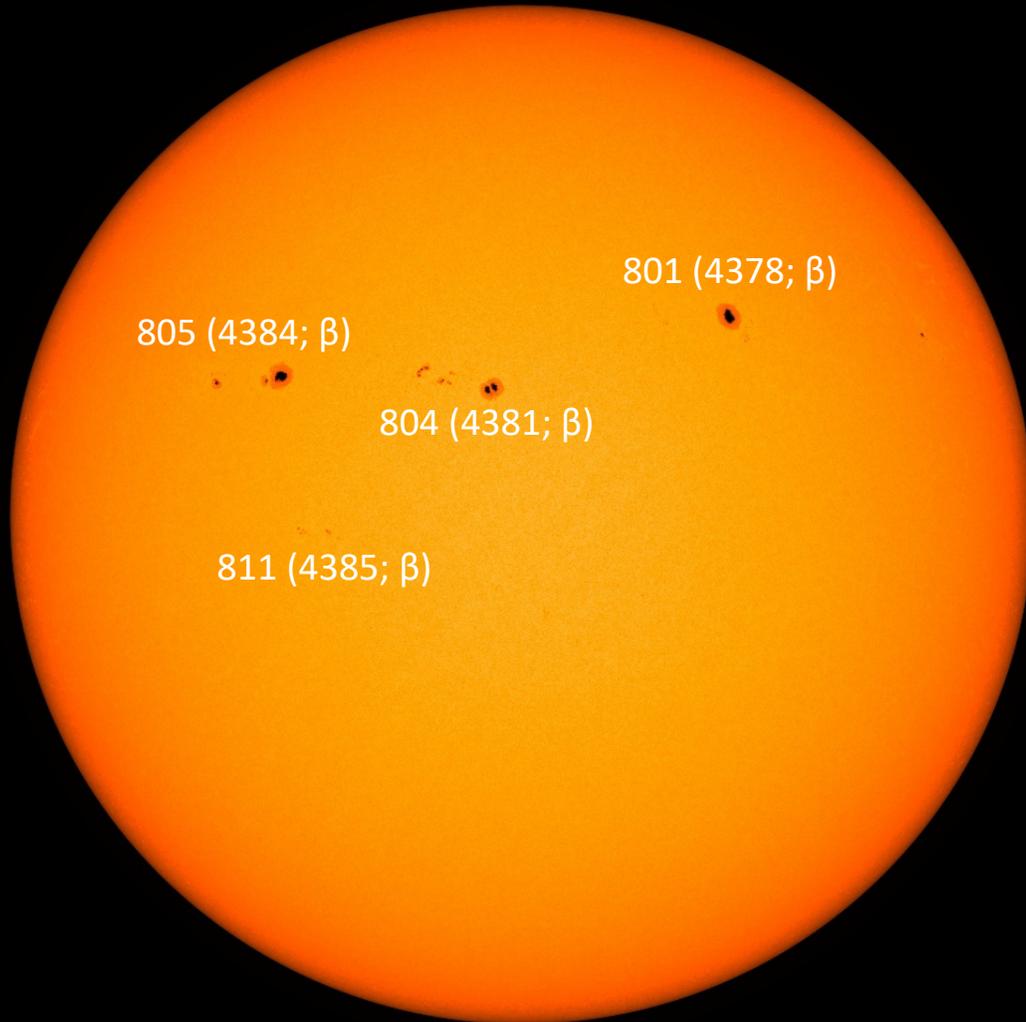
SDO/HMI Magnetogram 2026-03-03



SDO/HMI Magnetogram: 20260303_120000

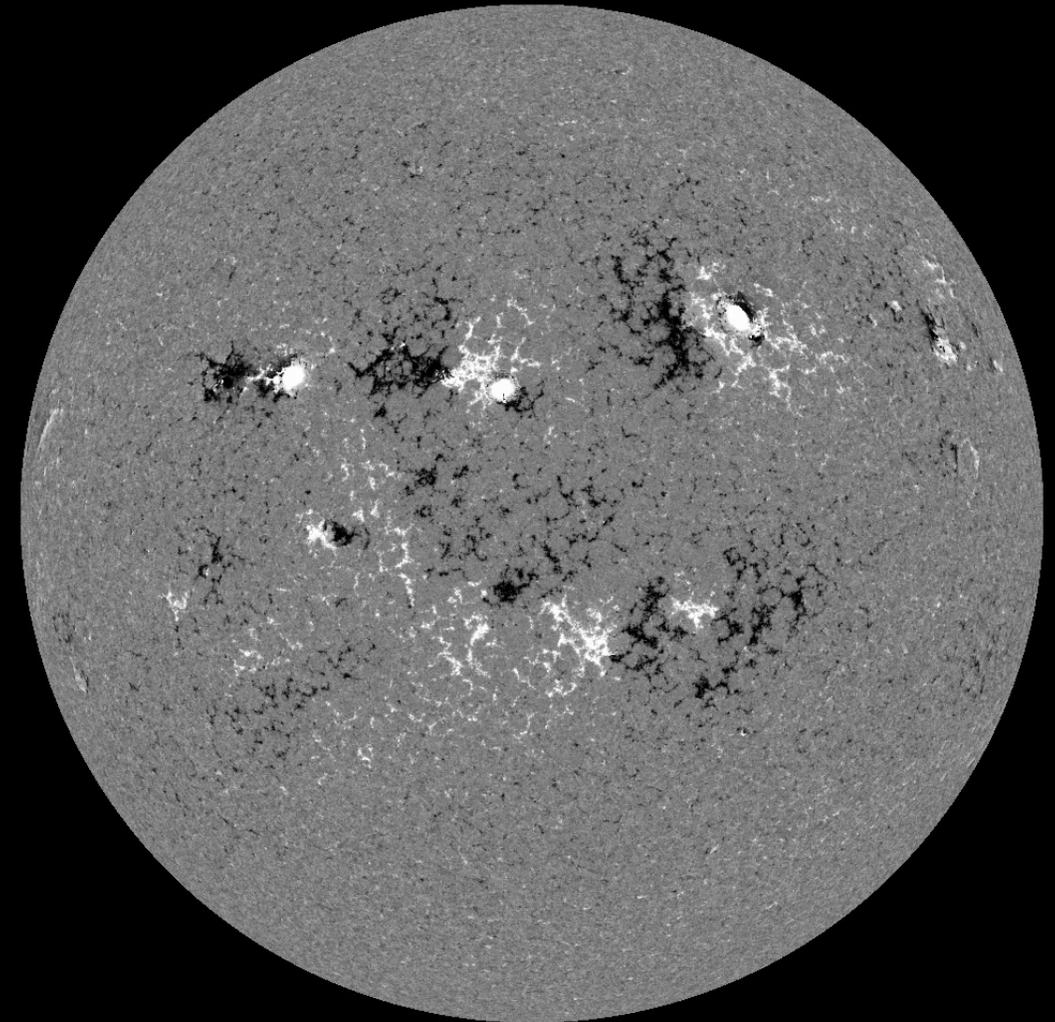
Solar active regions

SDO/HMI White Light 2026-03-05



SDO/HMI Quick-Look Continuum: 20260305_120000

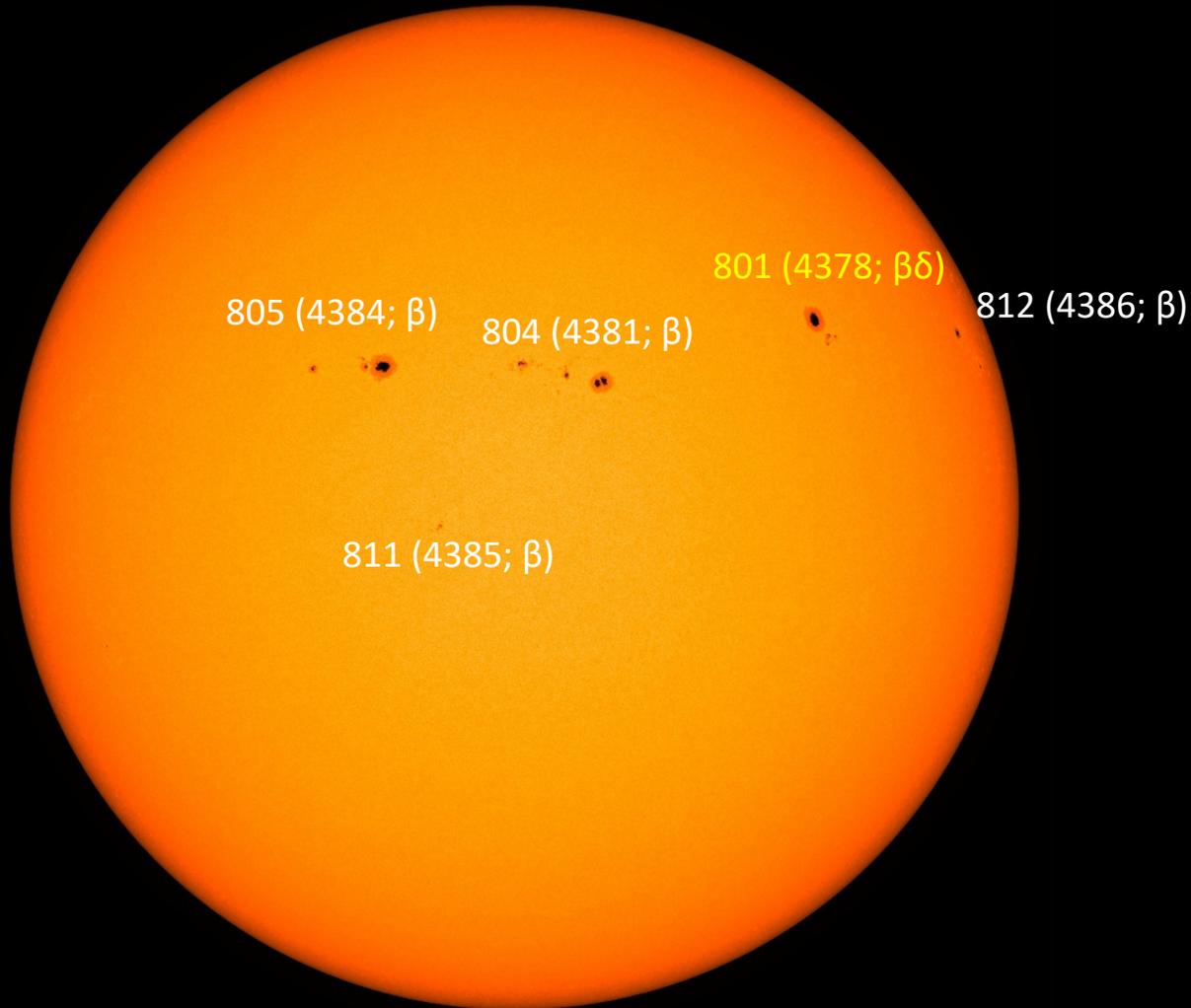
SDO/HMI Magnetogram 2026-03-05



SDO/HMI Quick-Look Magnetogram: 20260305_120000

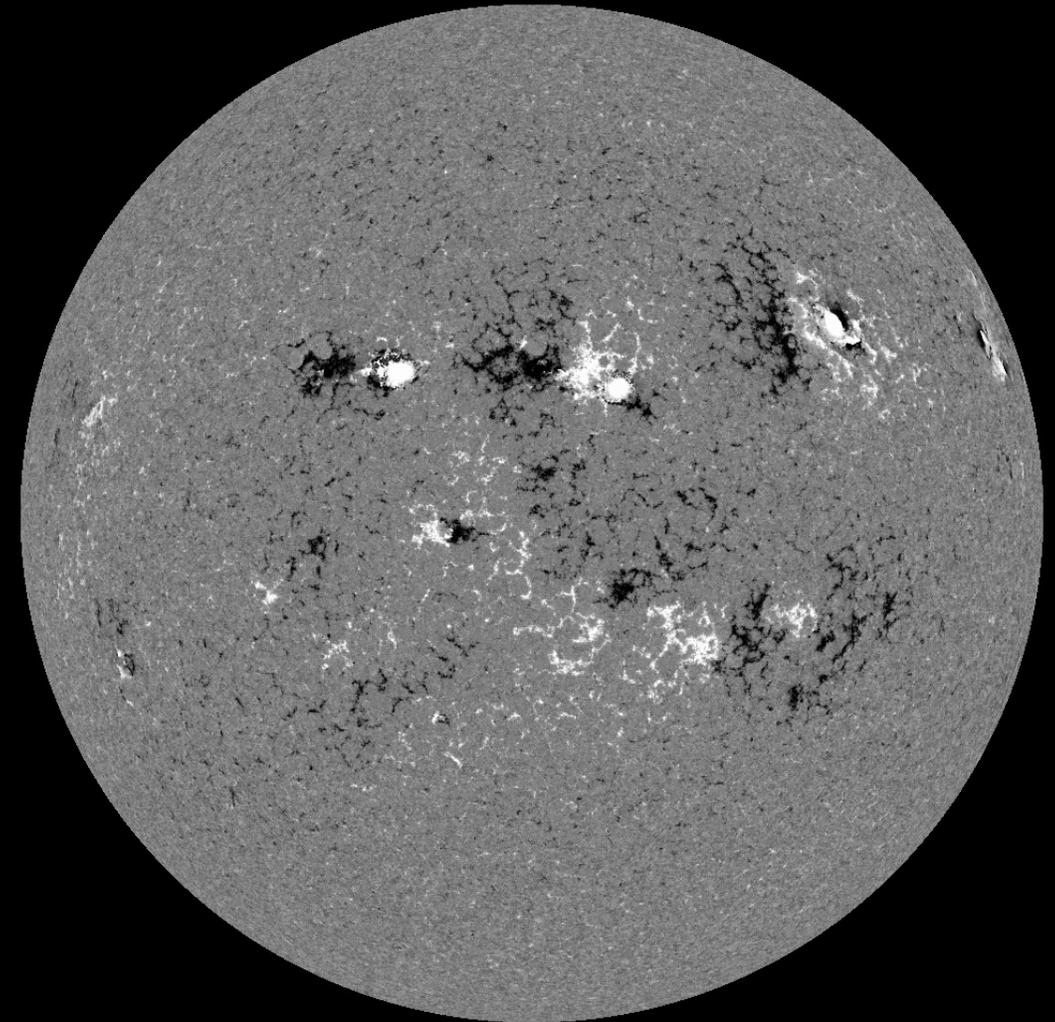
Solar active regions

SDO/HMI White Light 2026-03-06



SDO/HMI Quick-Look Continuum: 20260306_120000

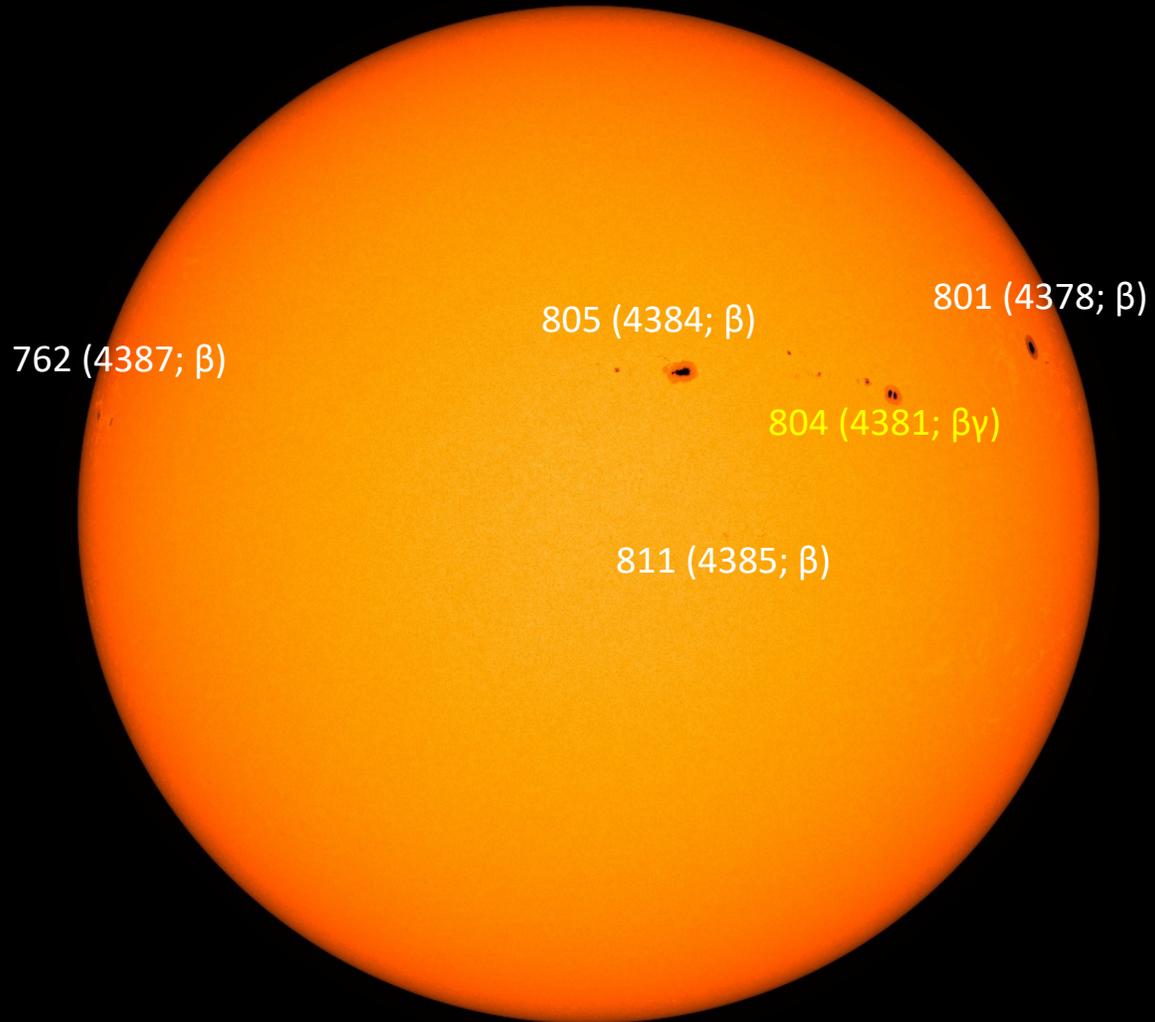
SDO/HMI Magnetogram 2026-03-06



SDO/HMI Quick-Look Magnetogram: 20260306_120000

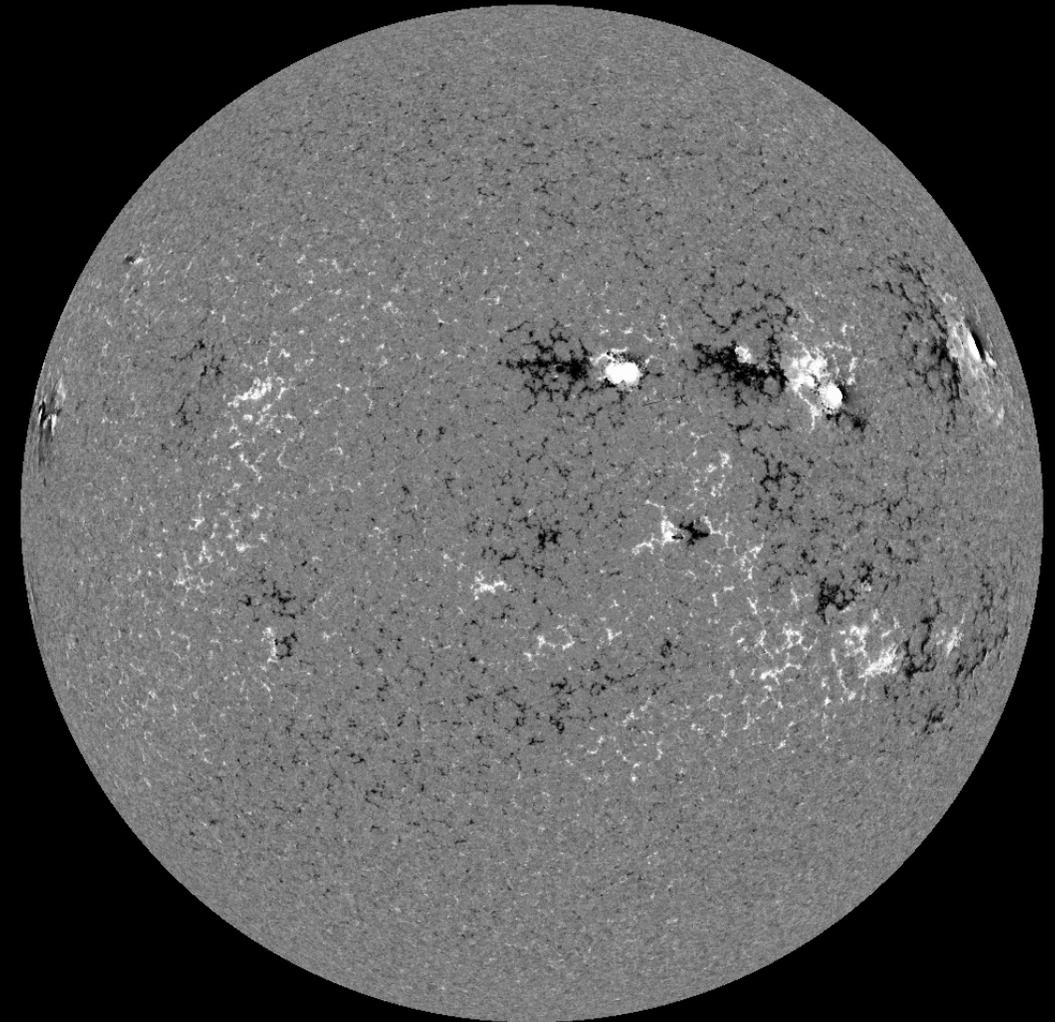
Solar active regions

SDO/HMI White Light 2026-03-08



SDO/HMI Quick-Look Continuum: 20260308_120000

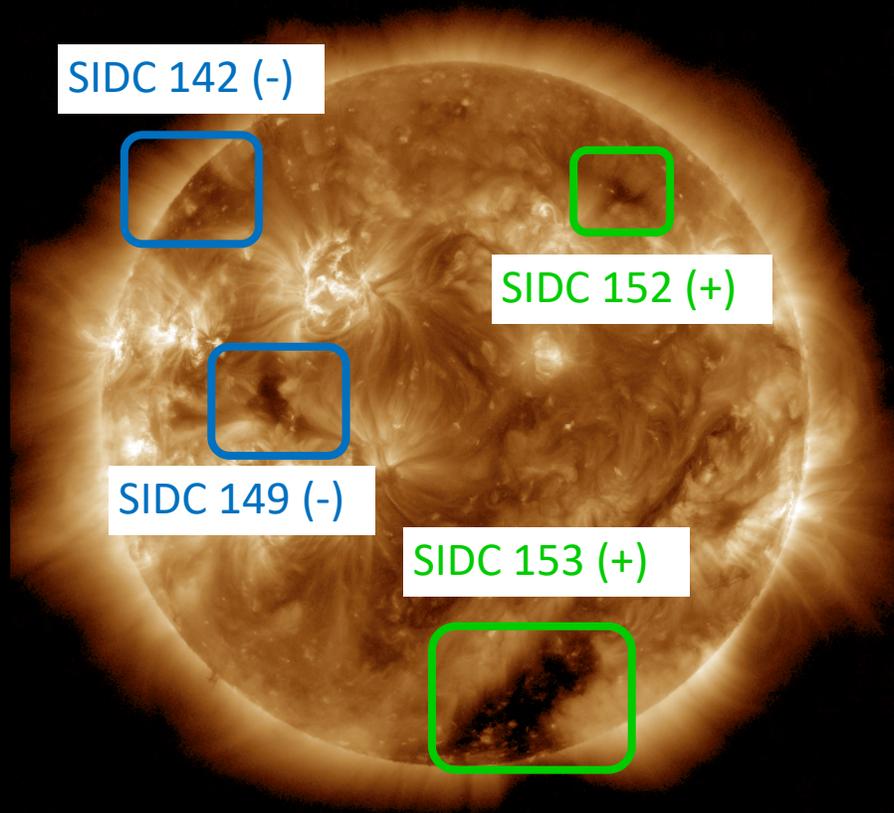
SDO/HMI Magnetogram 2026-03-08



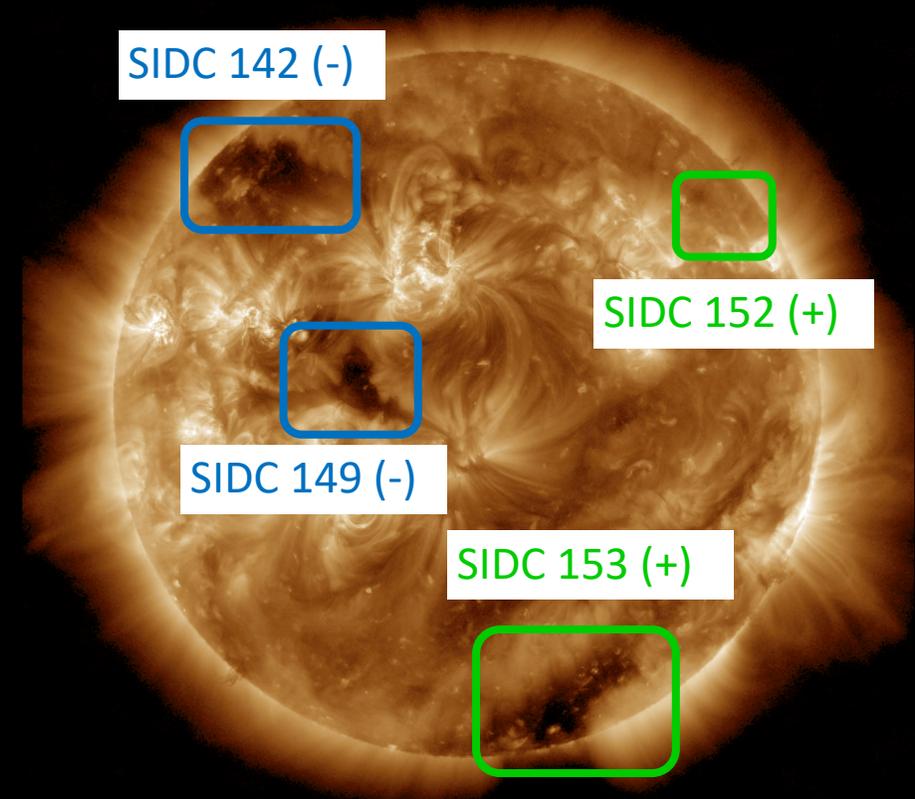
SDO/HMI Quick-Look Magnetogram: 20260308_120000

Coronal holes

SDO/AIA 19.3 nm 2026-03-02

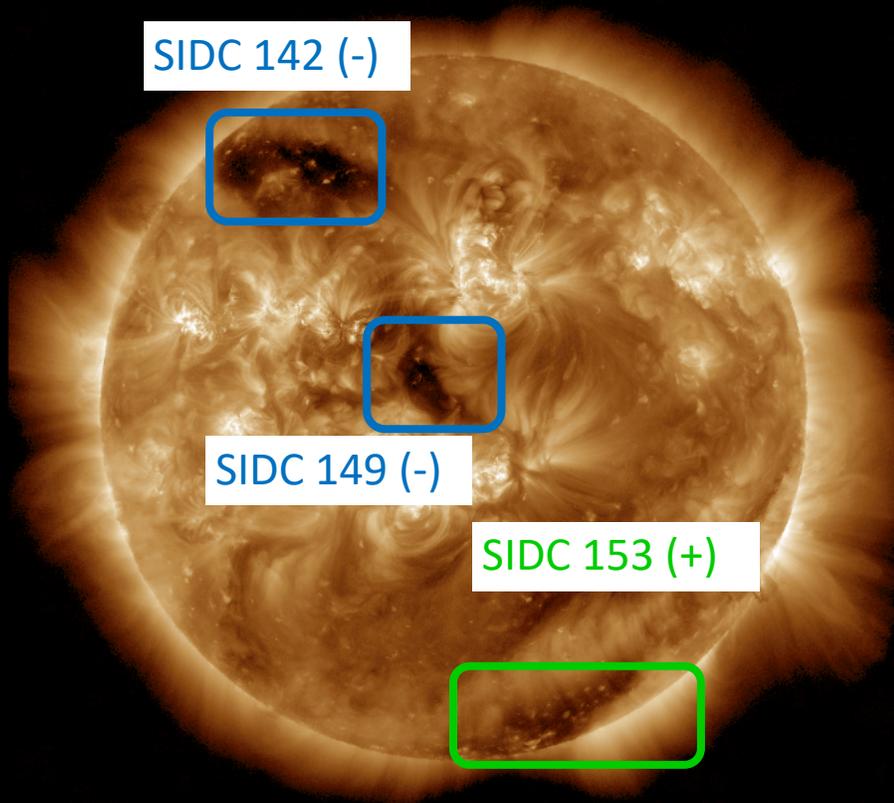


SDO/AIA 19.3 nm 2026-03-03

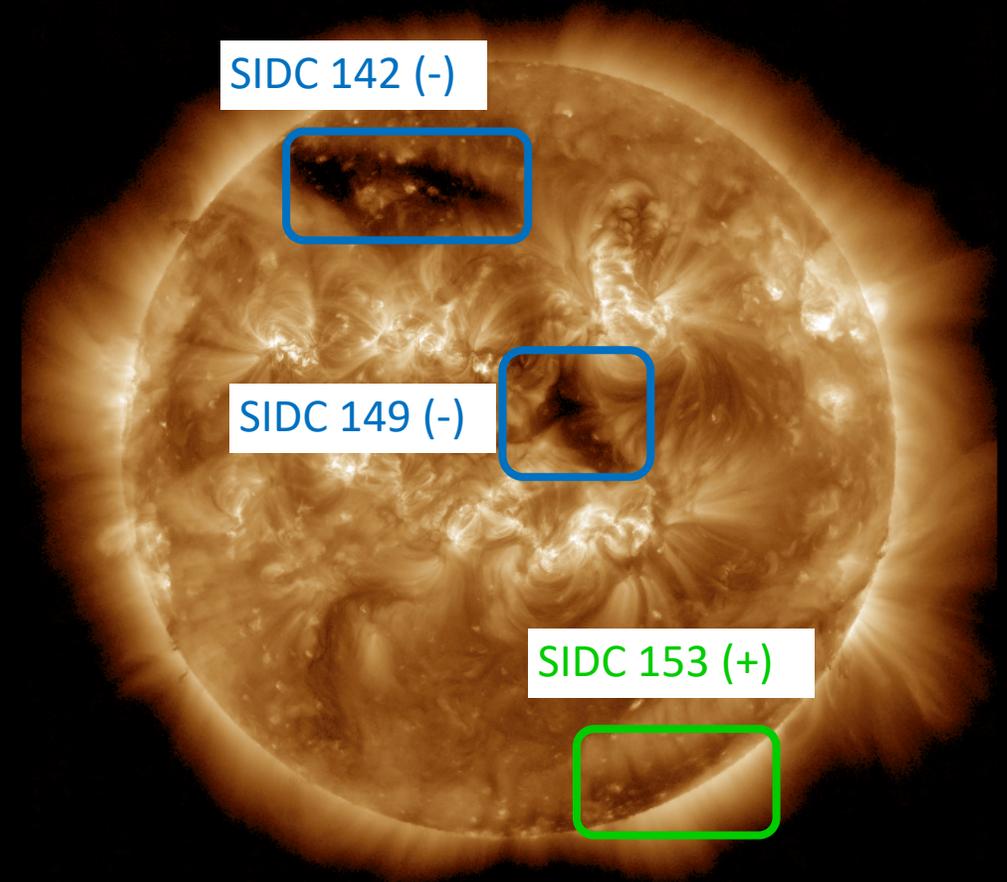


Coronal holes

SDO/AIA 19.3 nm 2026-03-04

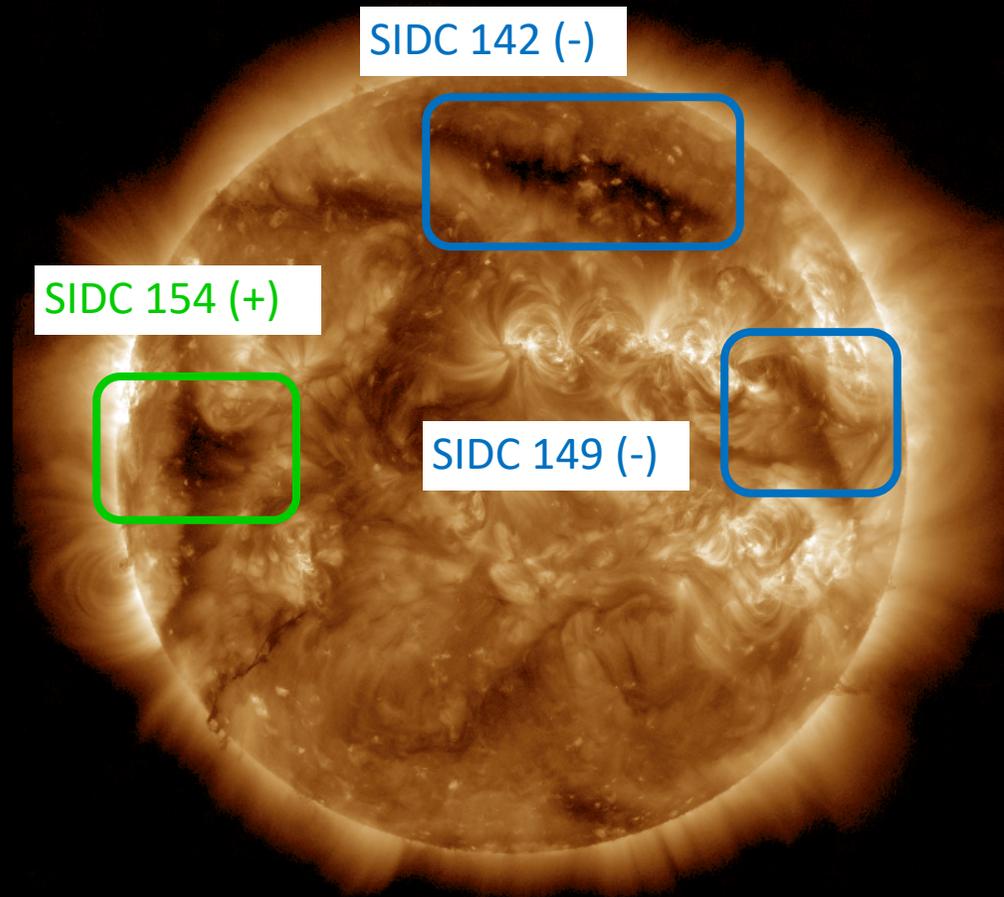


SDO/AIA 19.3 nm 2026-03-05



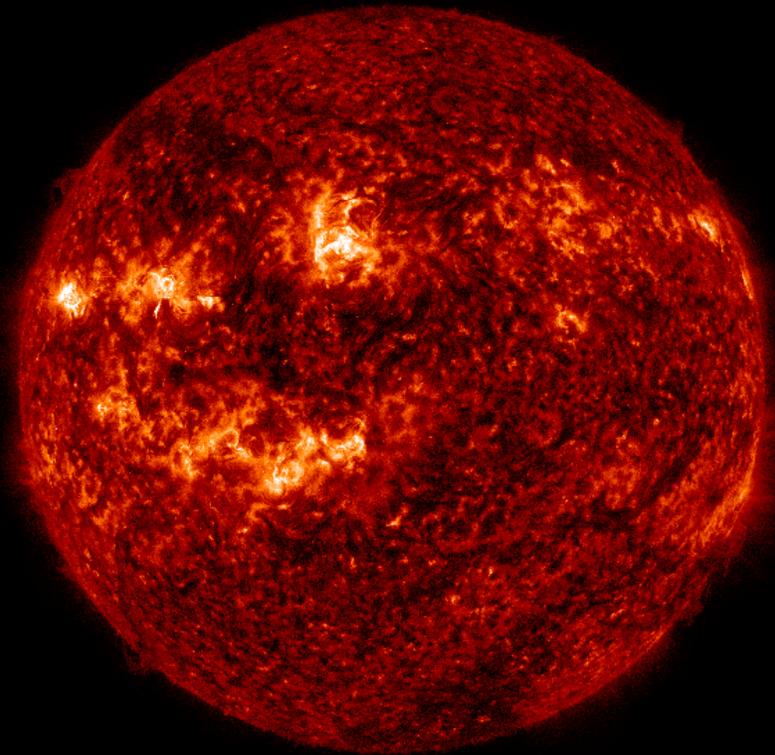
Coronal holes

SDO/AIA 19.3 nm 2026-03-08

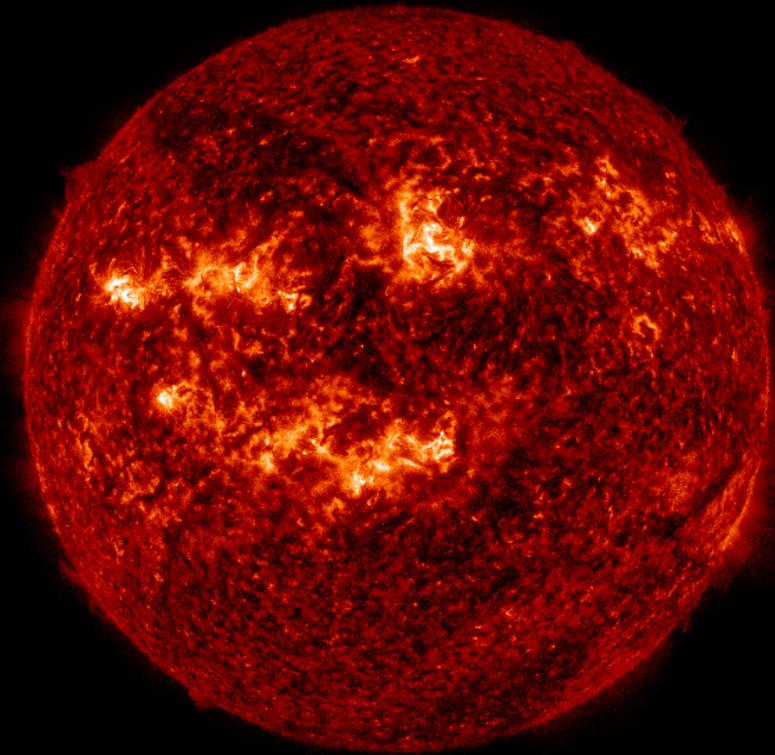


Filaments

SDO/AIA 30.4 nm 2026-03-03

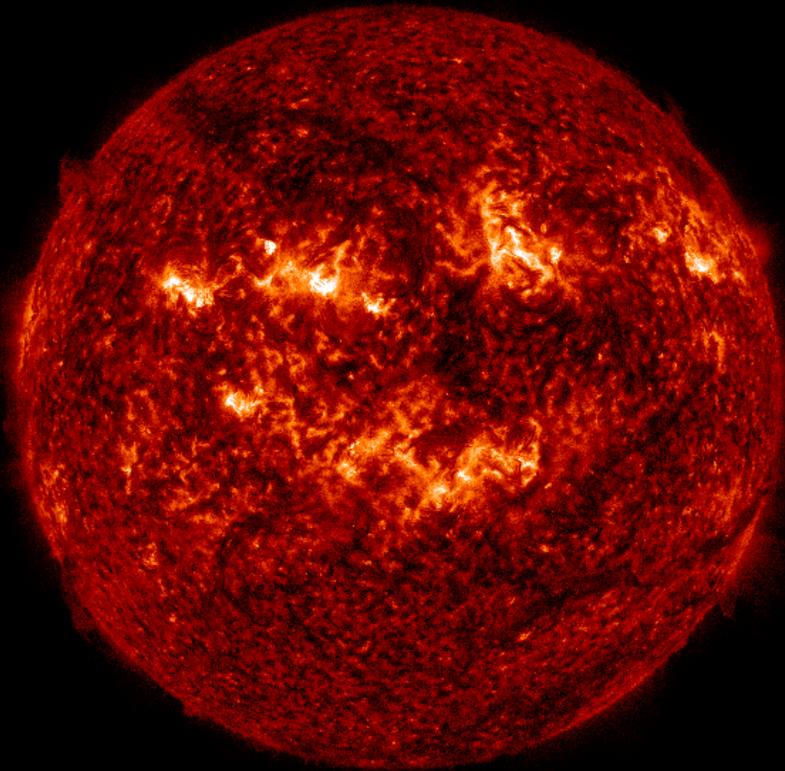


SDO/AIA 30.4 nm 2026-03-04

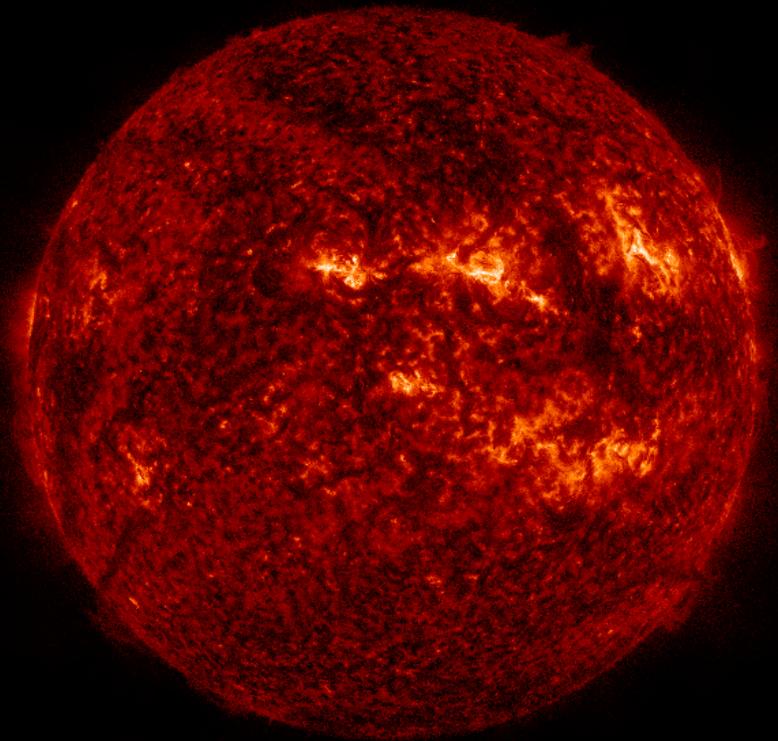


Filaments

SDO/AIA 30.4 nm 2026-03-05

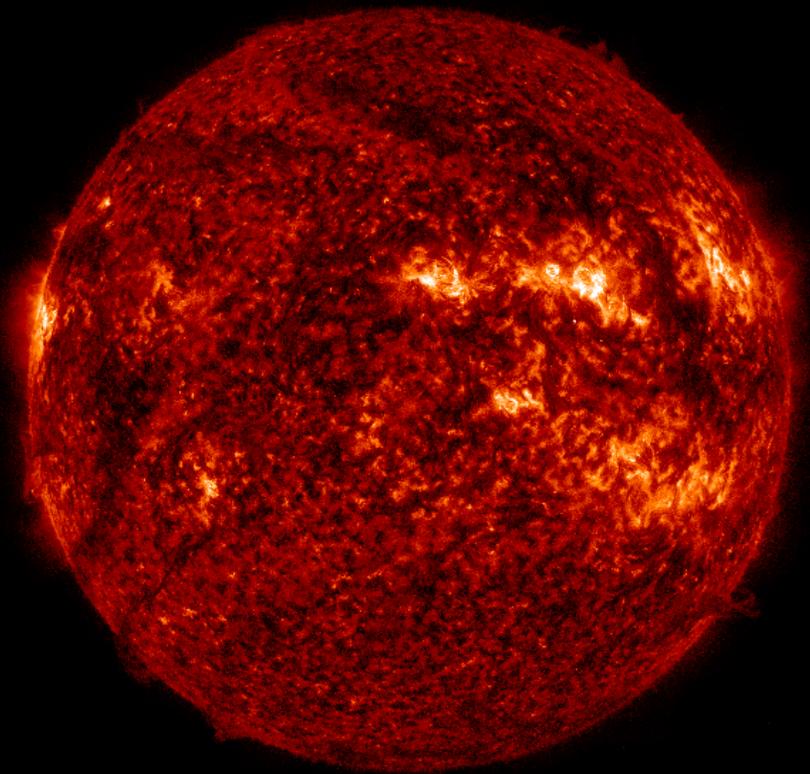


SDO/AIA 30.4 nm 2026-03-07



Filaments

SDO/AIA 30.4 nm 2026-03-08



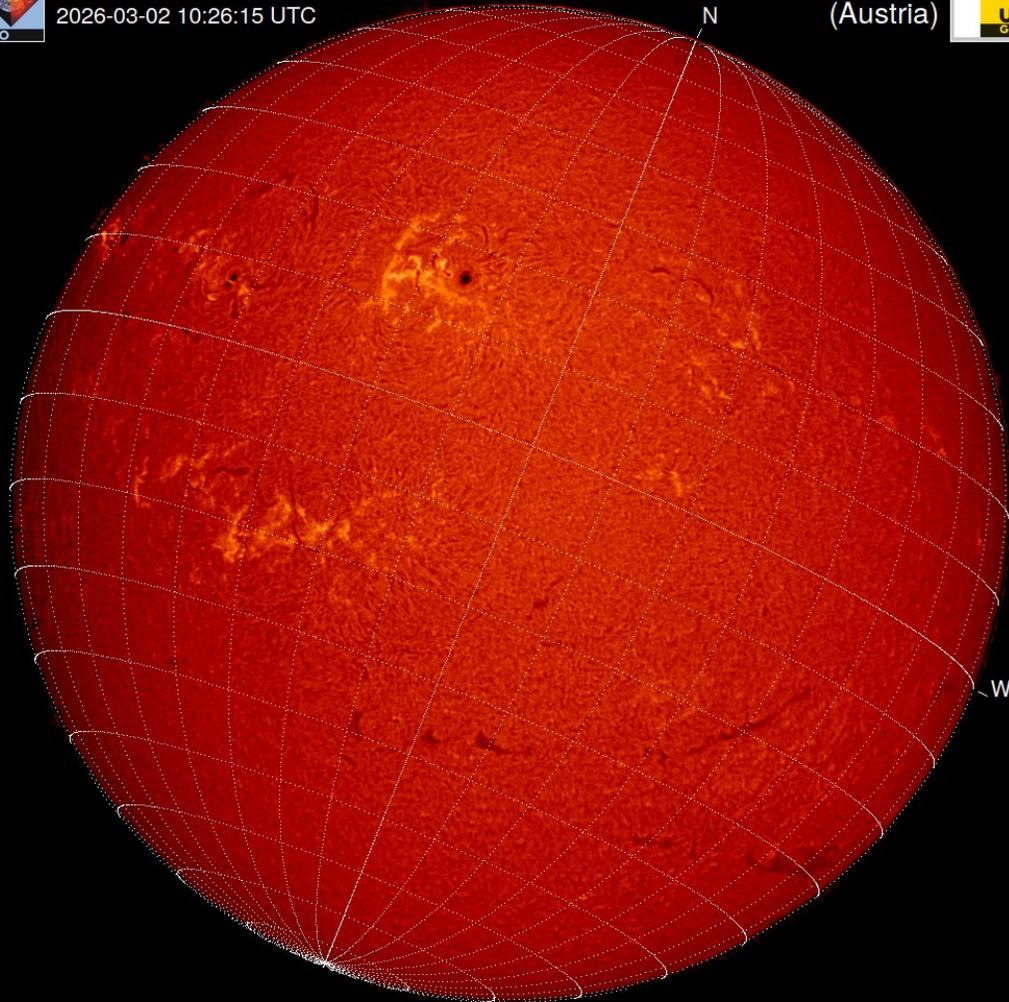
Filaments & Filament eruptions

H-alpha 2026-03-02



Kanzelhöhe Observatory
2026-03-02 10:26:15 UTC

University of Graz
(Austria)

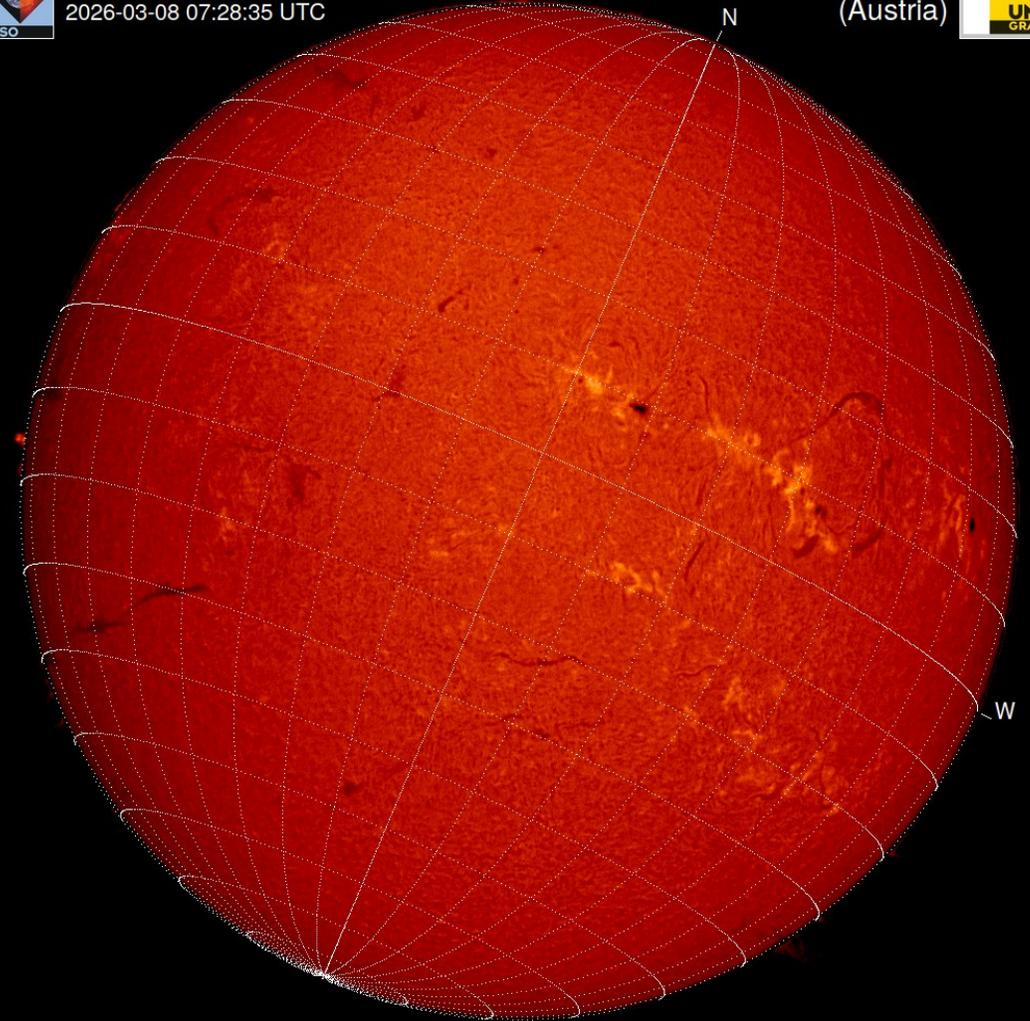


H-alpha 2026-03-08

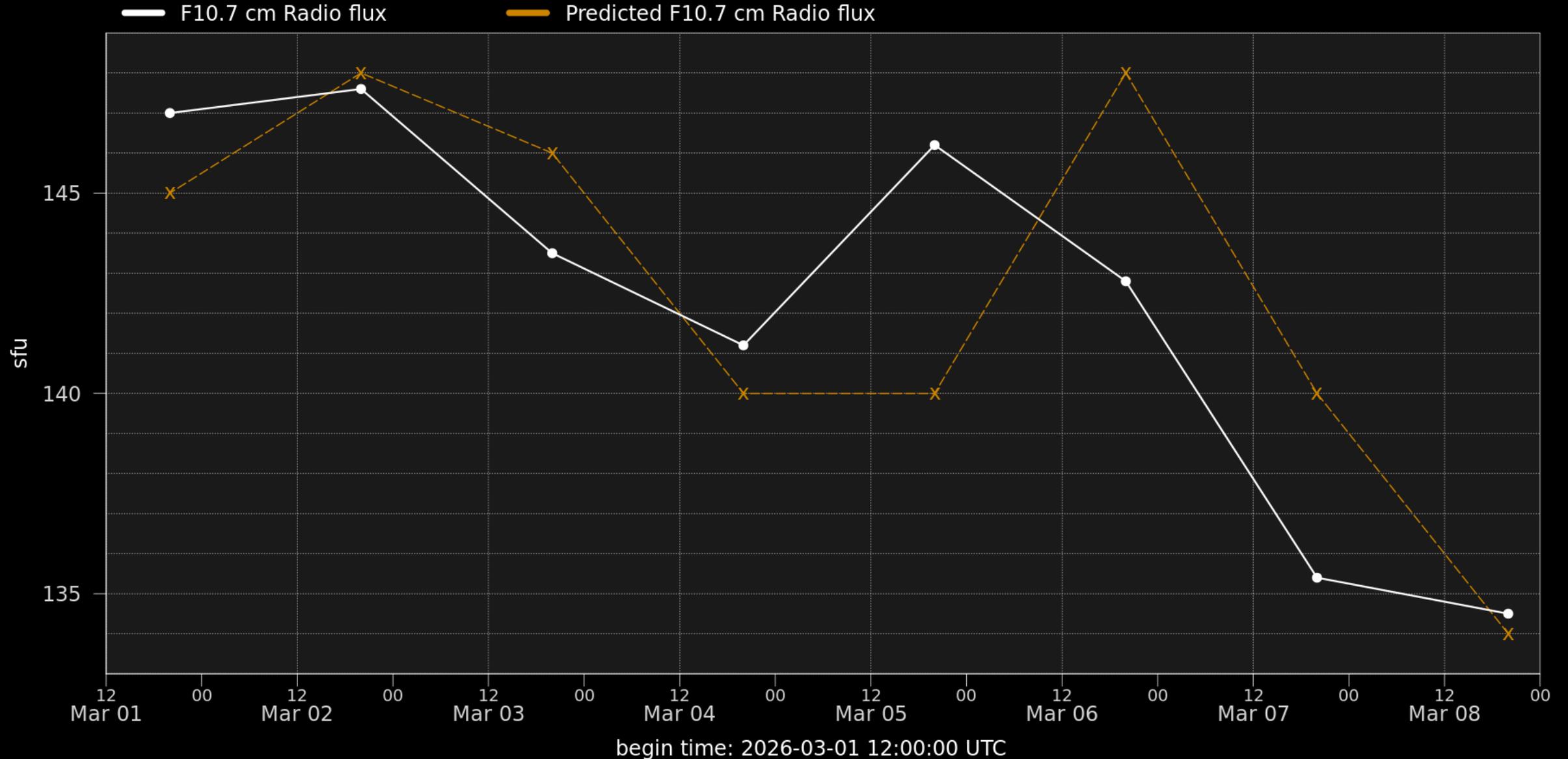


Kanzelhöhe Observatory
2026-03-08 07:28:35 UTC

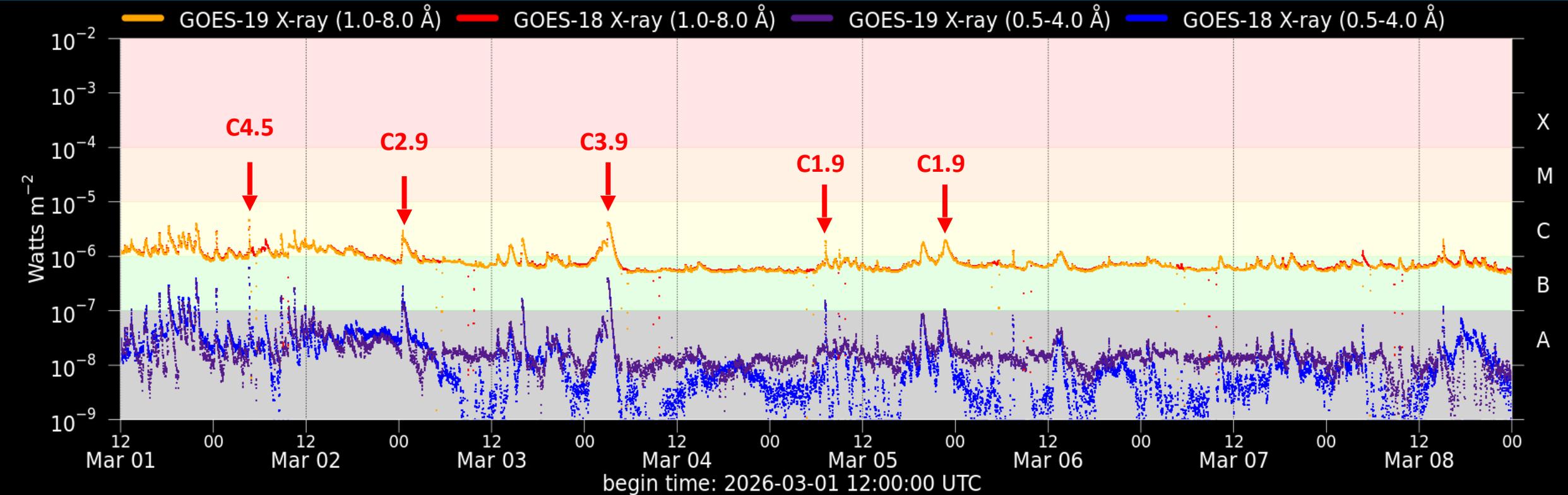
University of Graz
(Austria)



Solar F10.7cm radio flux



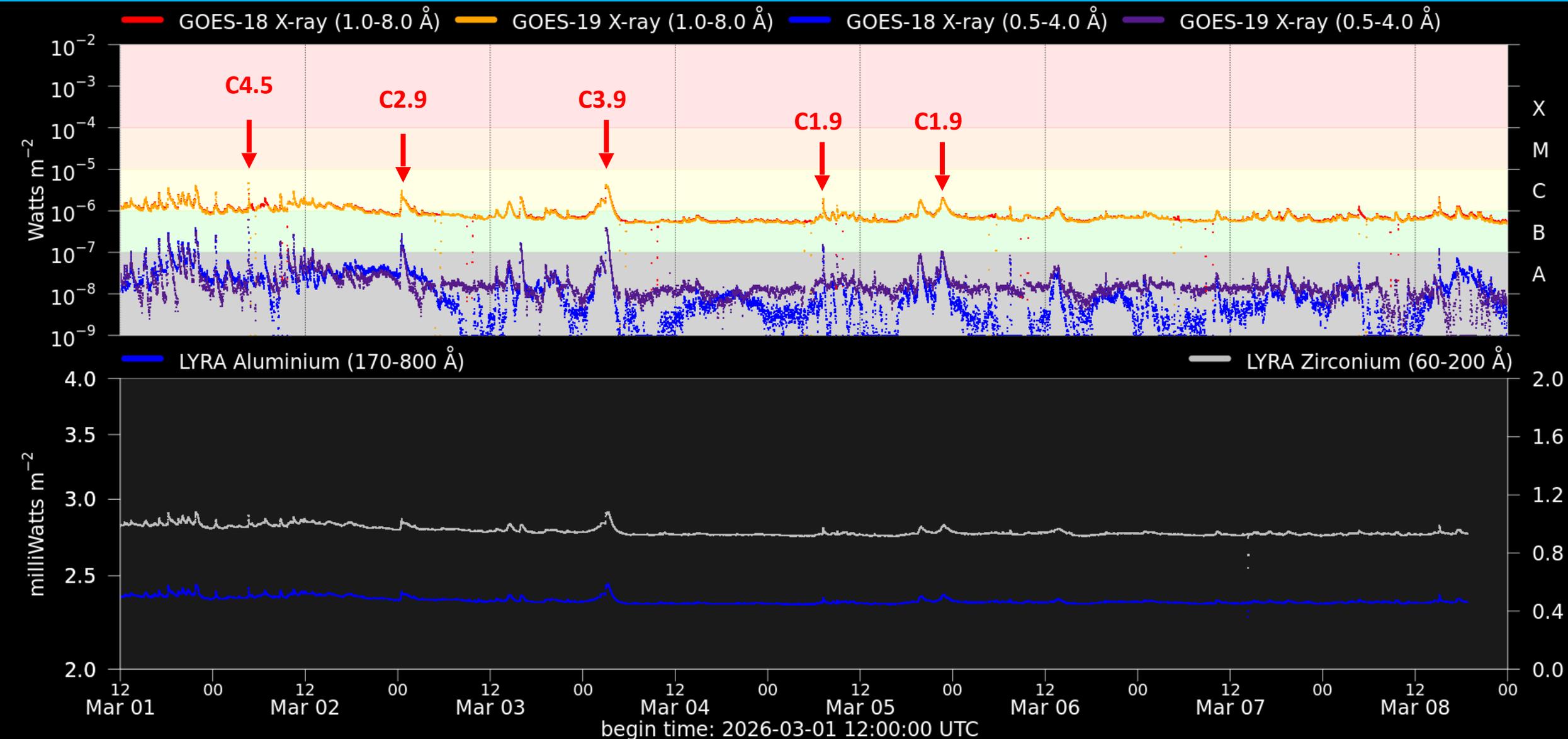
Flaring activity



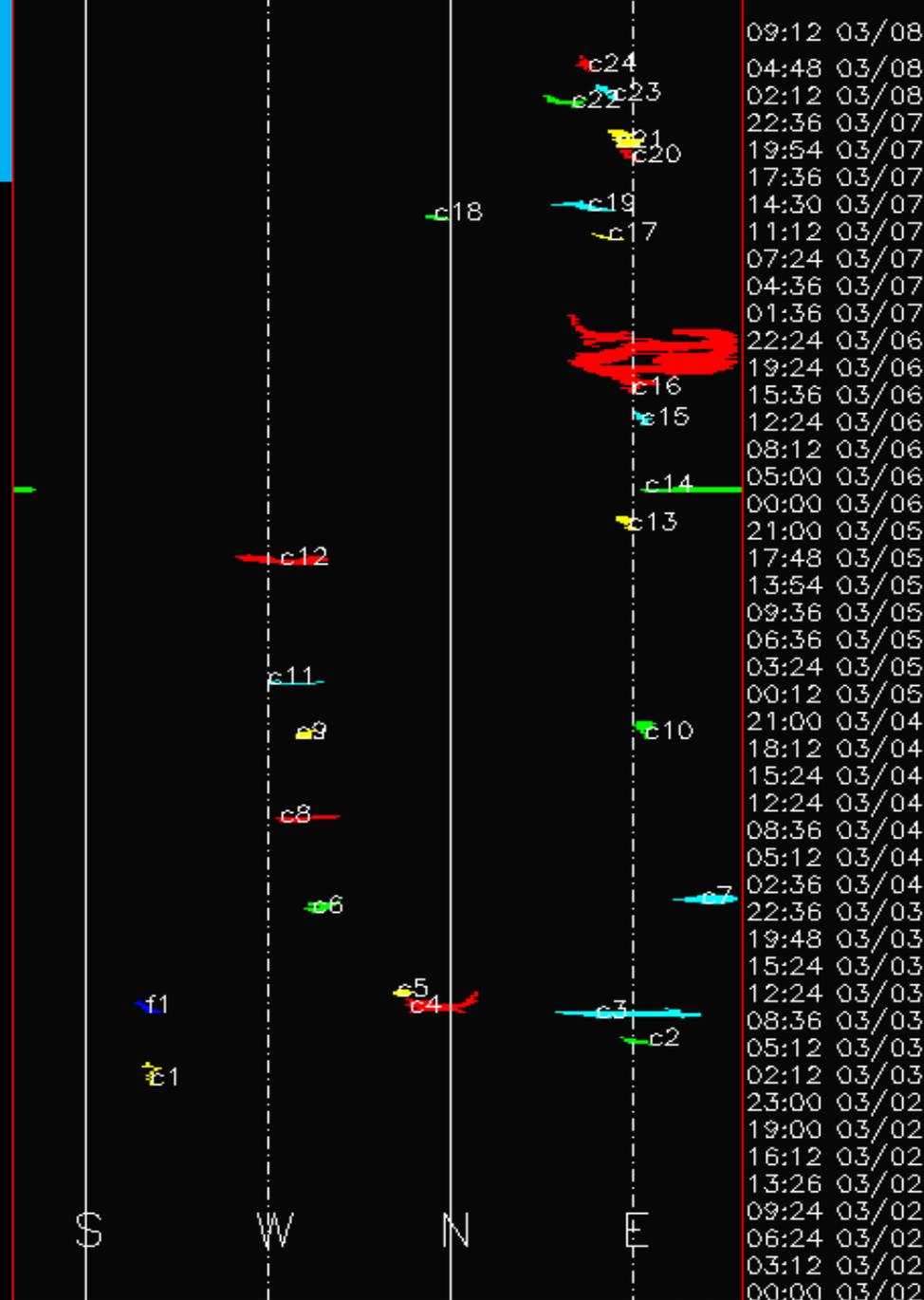
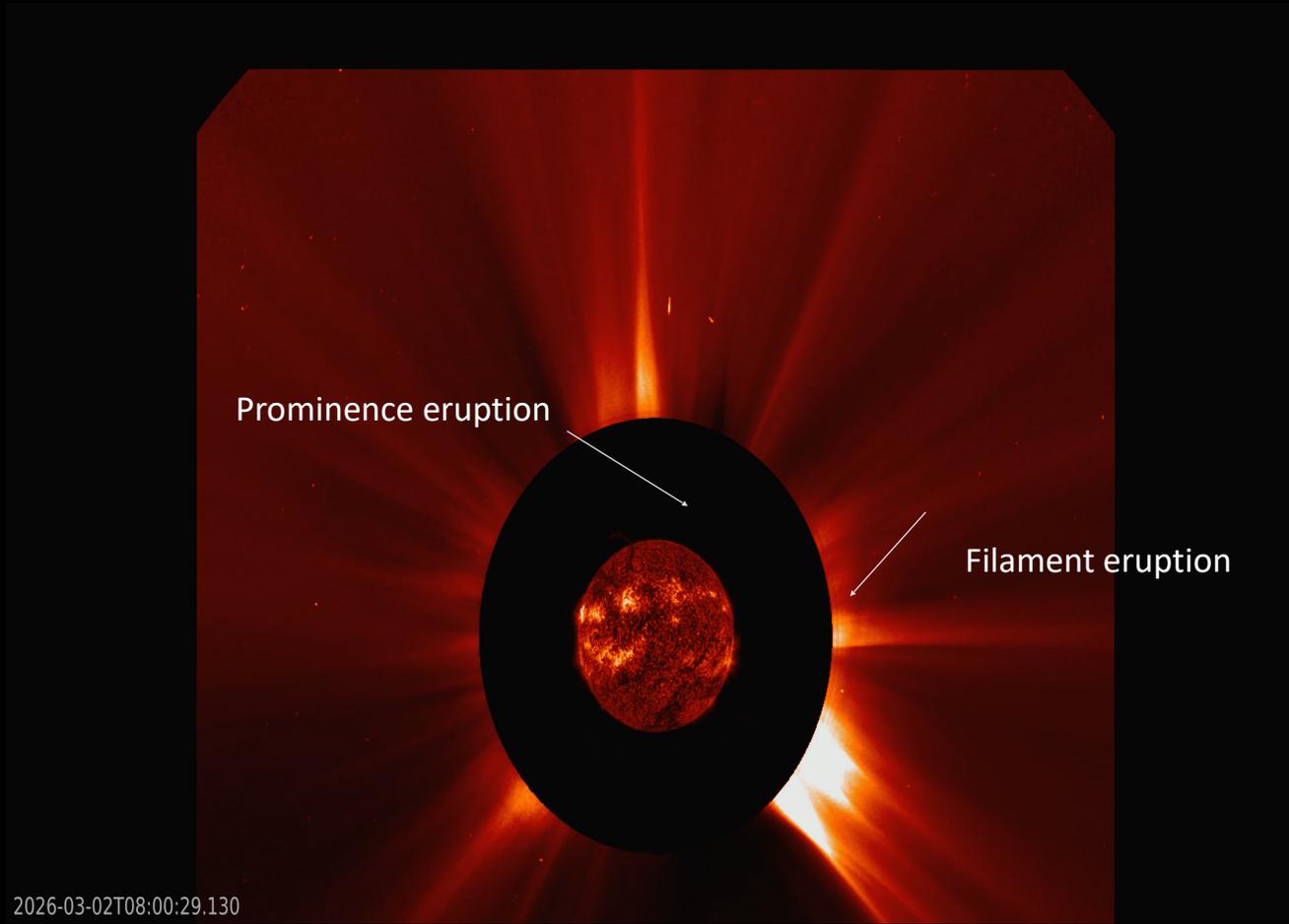
Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-03-01	2026-03-02	2026-03-03	2026-03-04	2026-03-05	2026-03-06	2026-03-07	2026-03-08
Probability (%)	95 38 02	95 36 02	99 55 02	96 43 01	94 39 01	97 46 02	95 38 02	94 40 01
Observed (#)	12 00 00	01 00 00	02 00 00	01 00 00	01 00 00	02 00 00	01 00 00	05 00 00

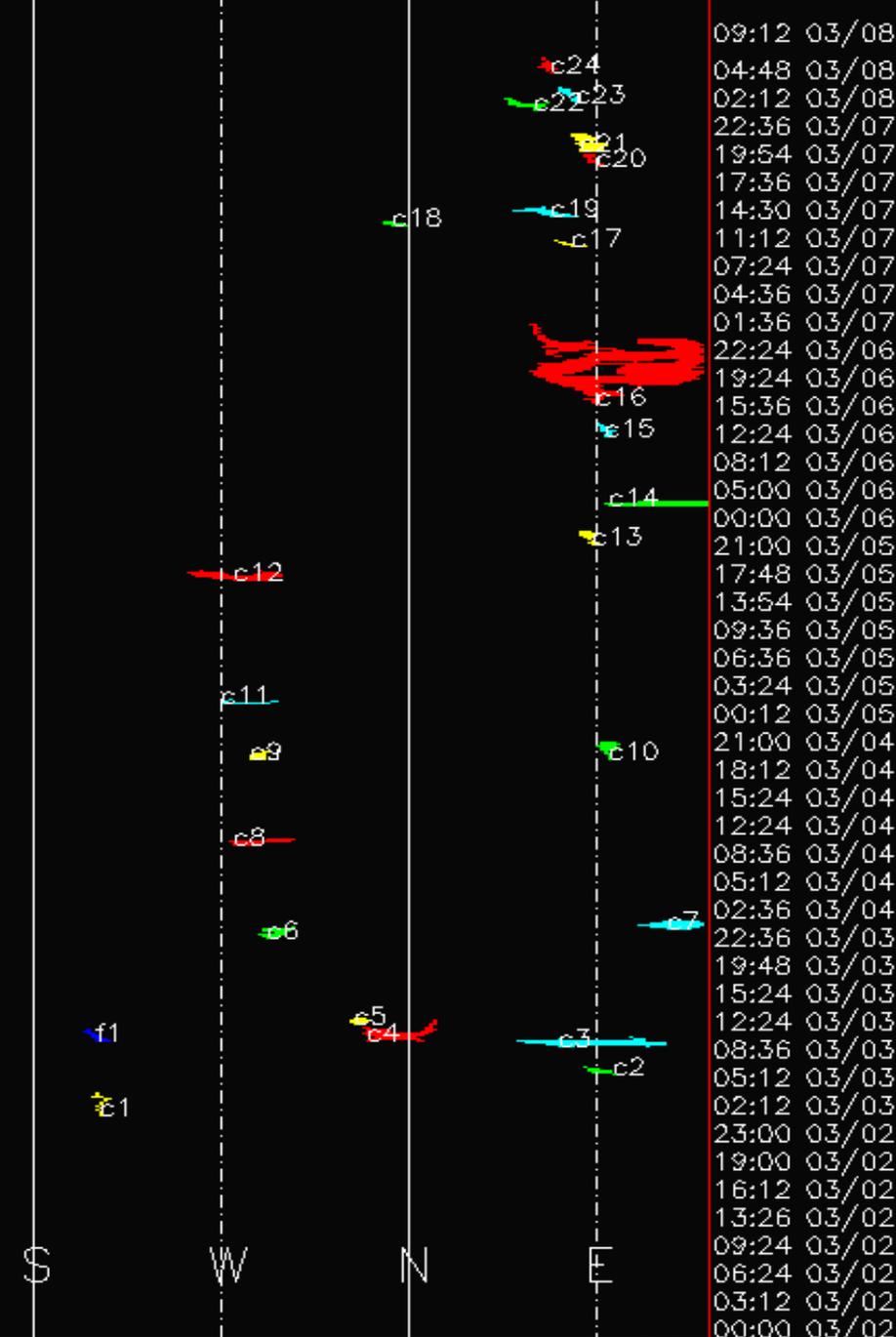
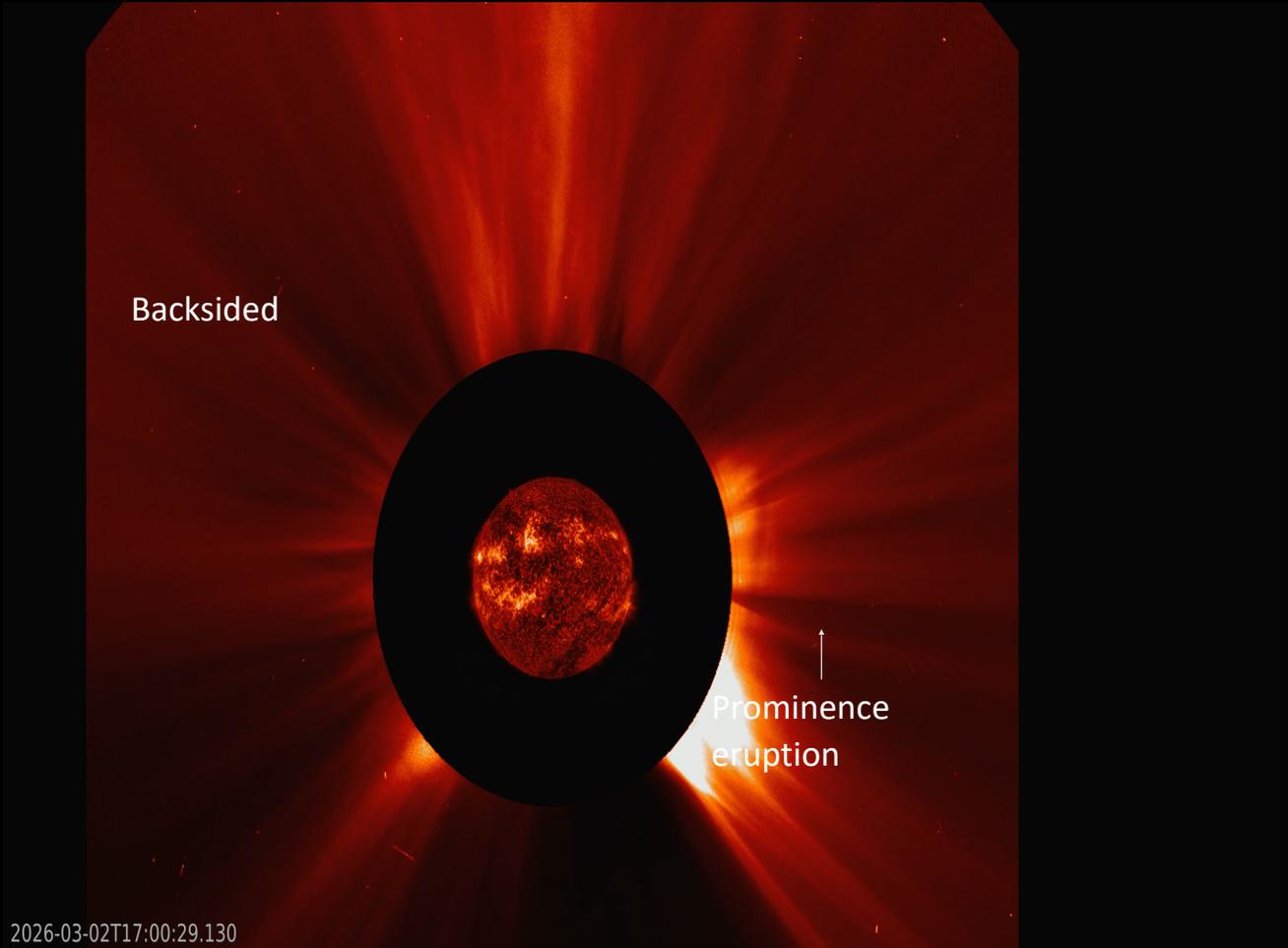
Solar X-Ray and UV flux



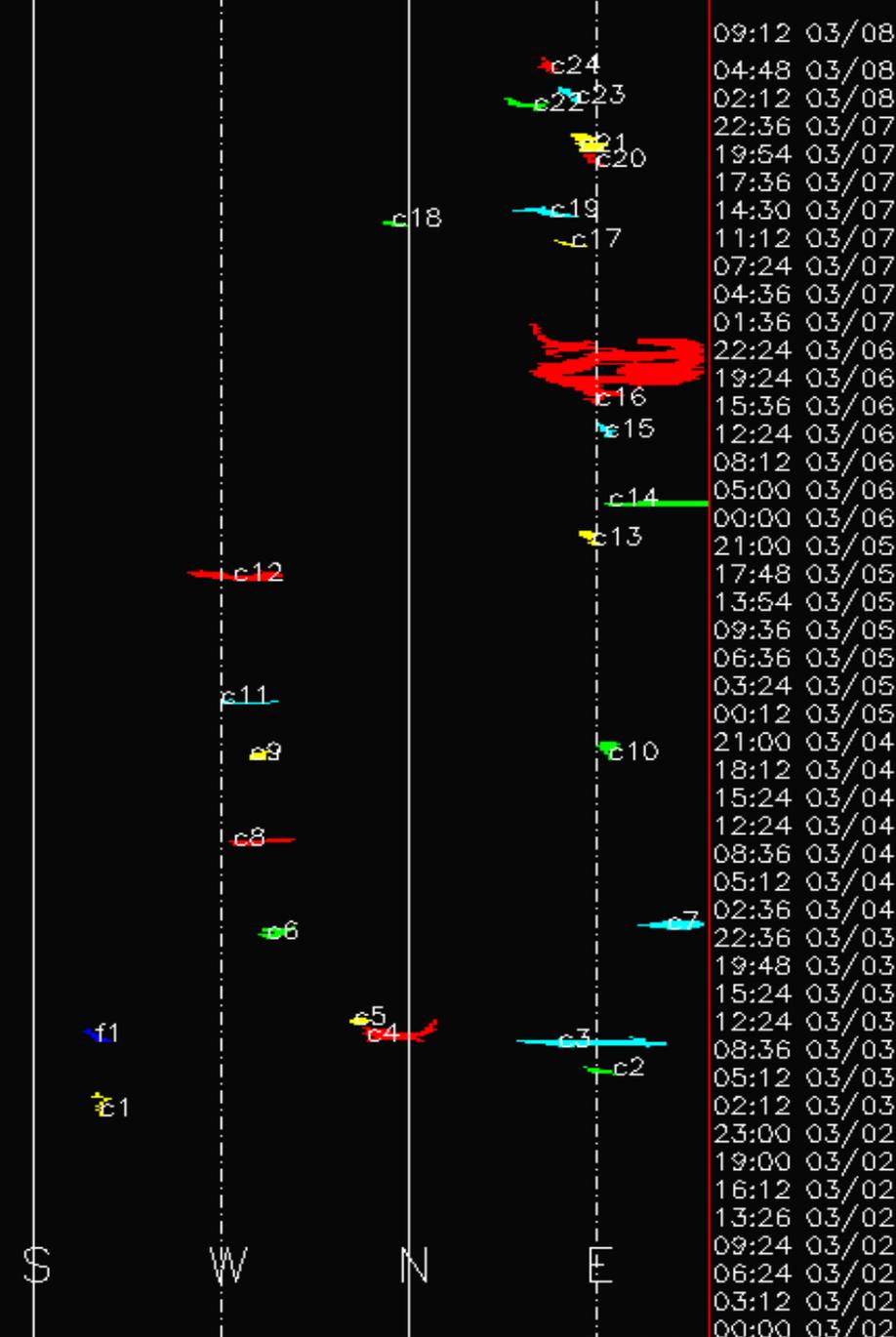
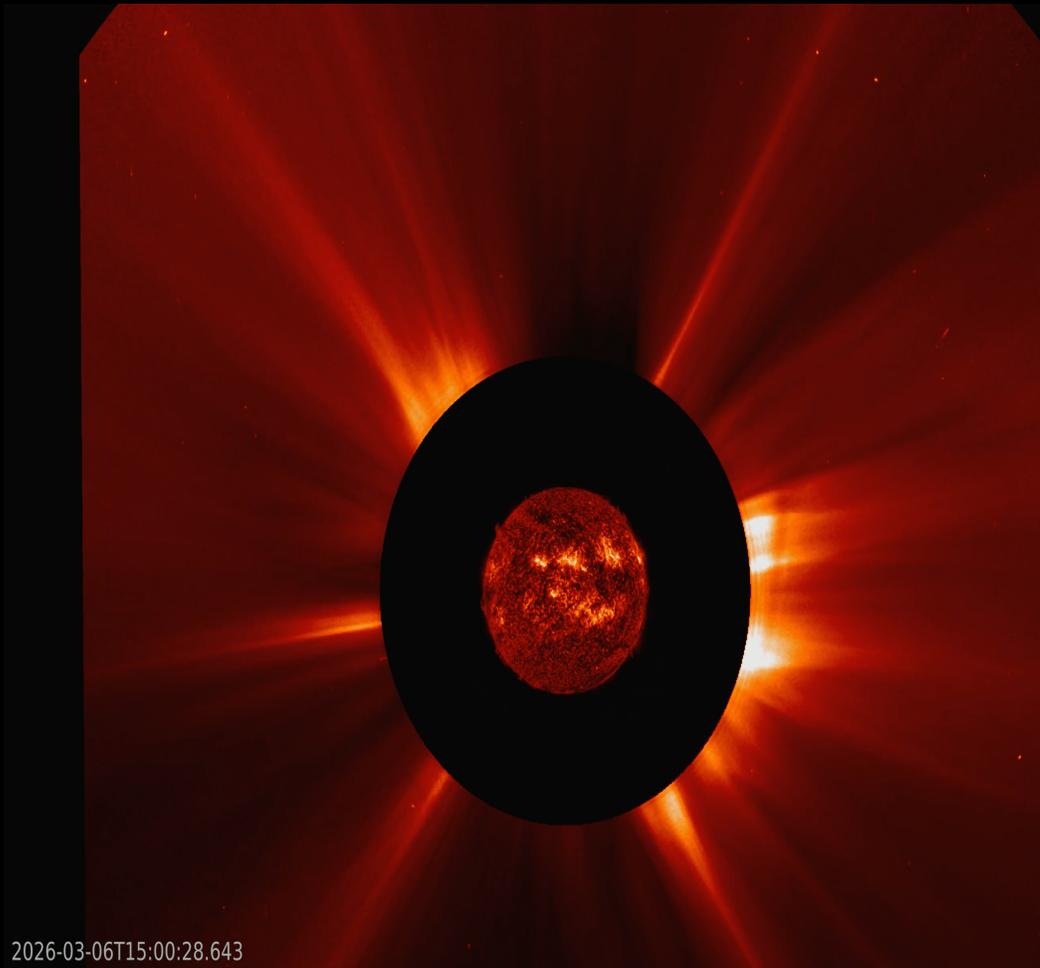
Coronal Mass Ejections



Coronal Mass Ejections



Coronal Mass Ejections



Solar Wind and

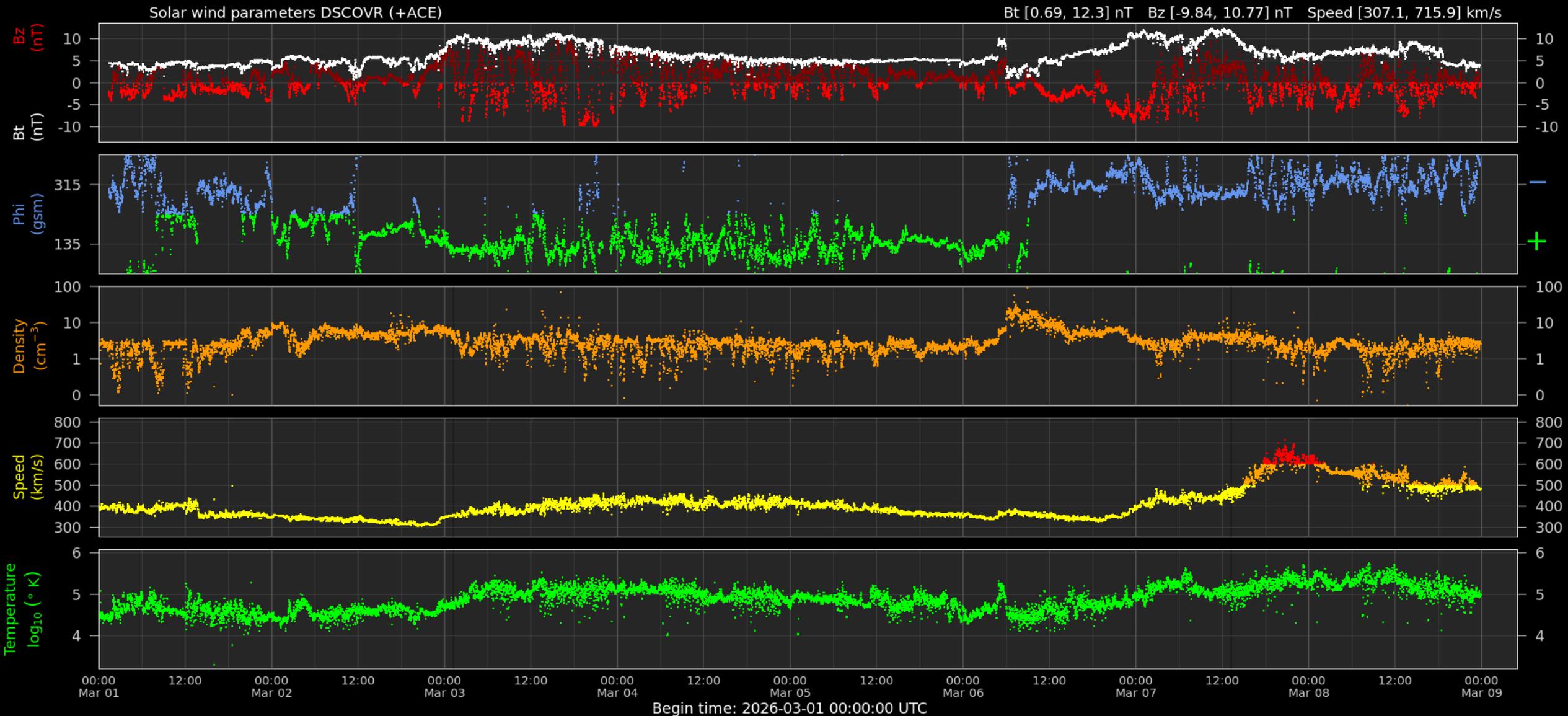
Geomagnetic Activity



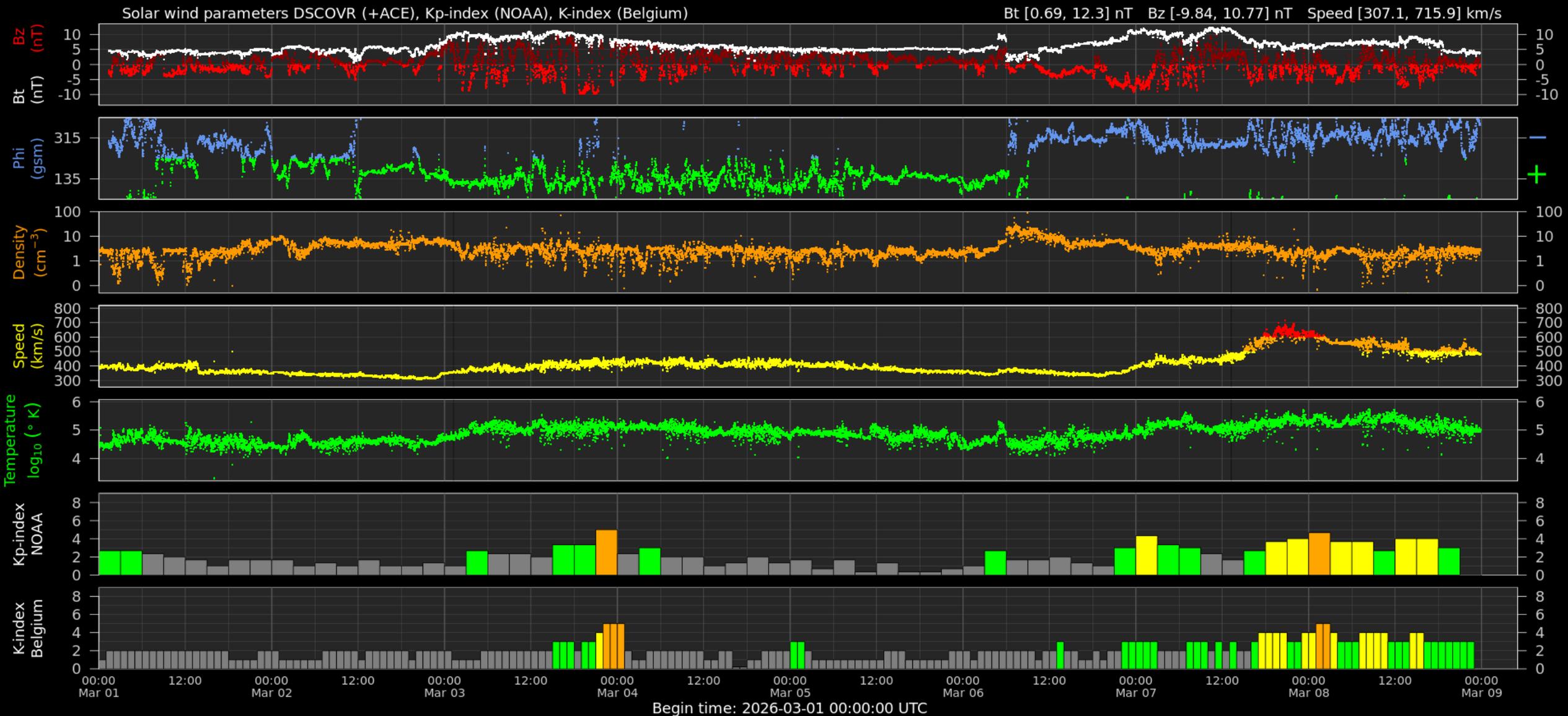
Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Solar wind parameters



Solar wind parameters & K-indices



Geomagnetic activity (K-indexes)



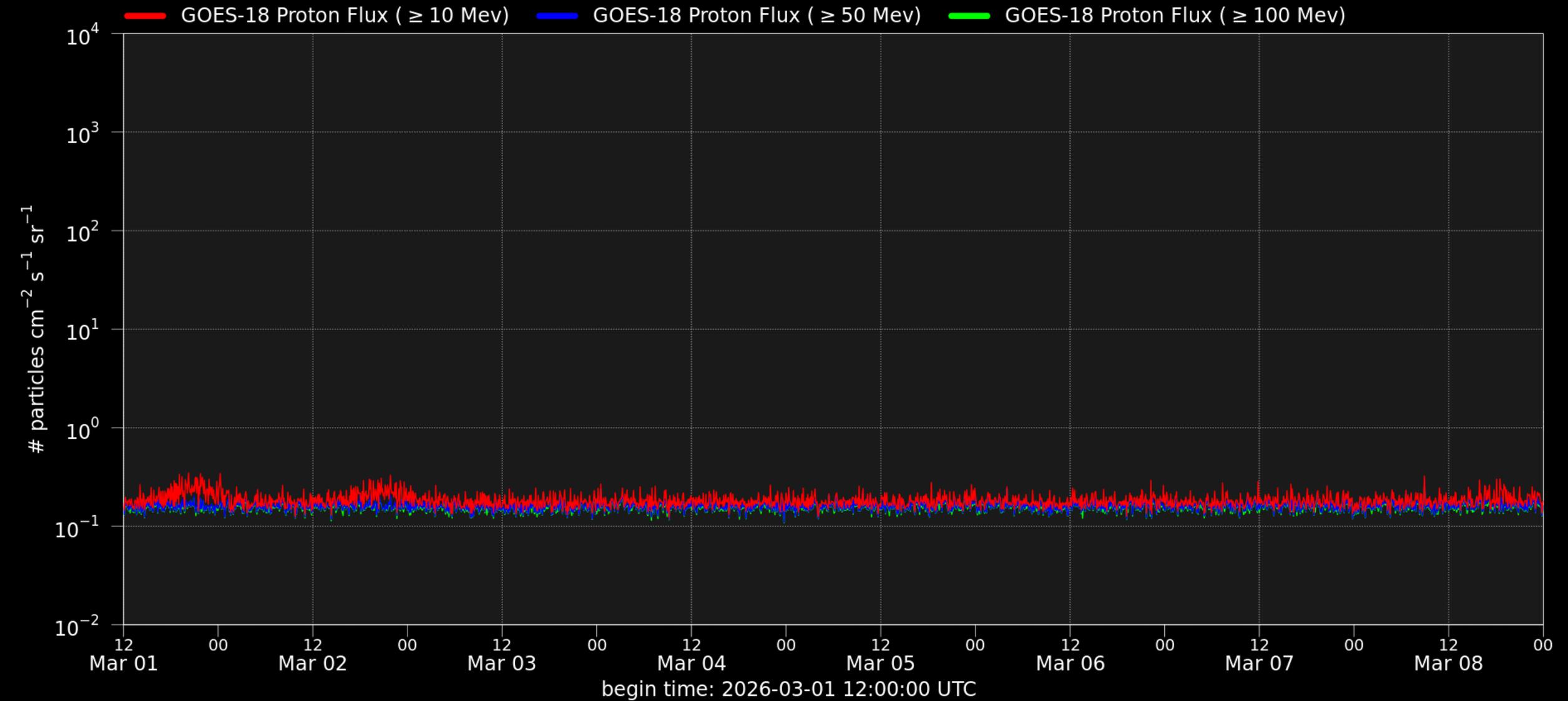
Energetic Particles



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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



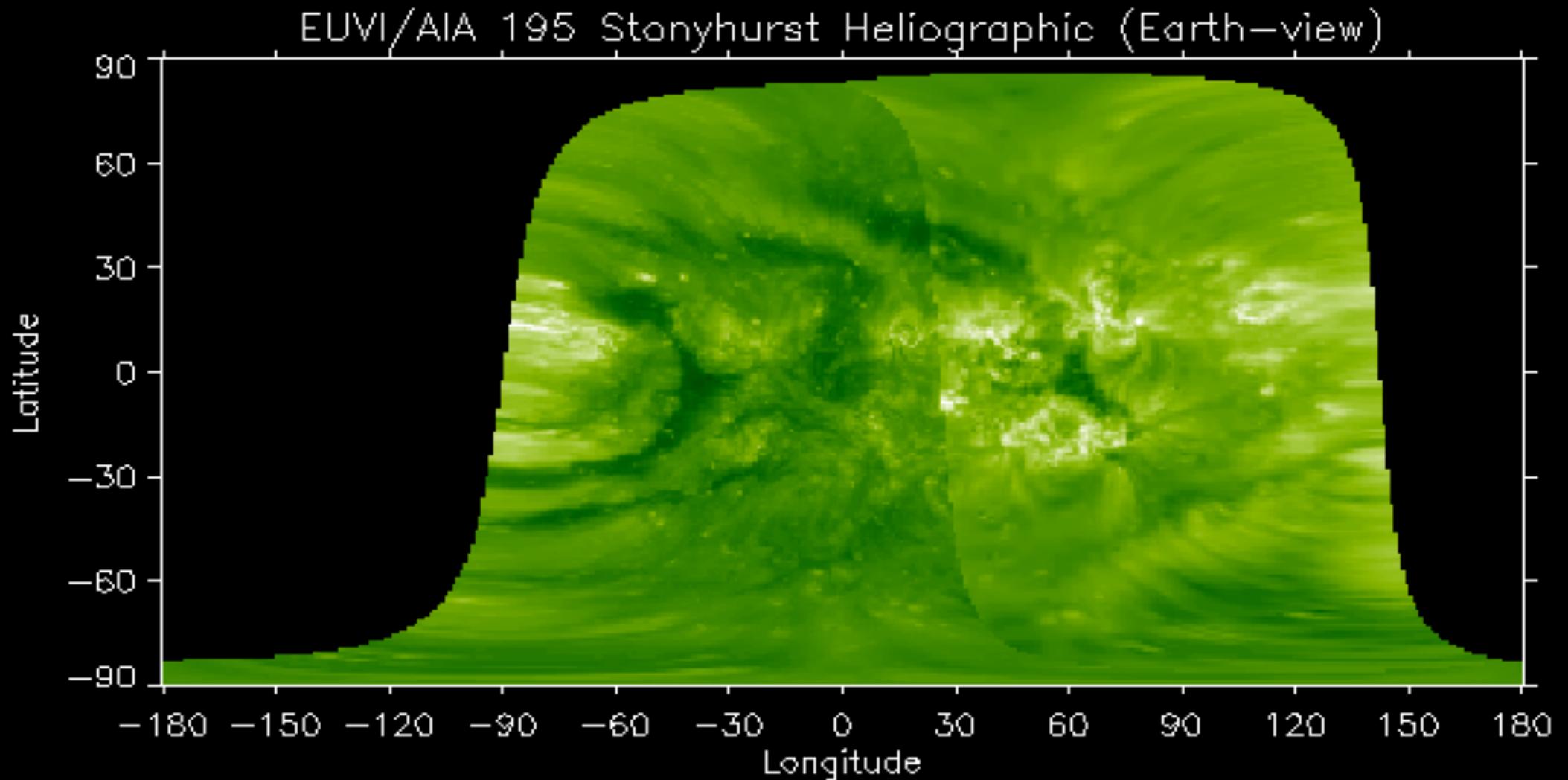
Outlook



Royal Observatory
of Belgium

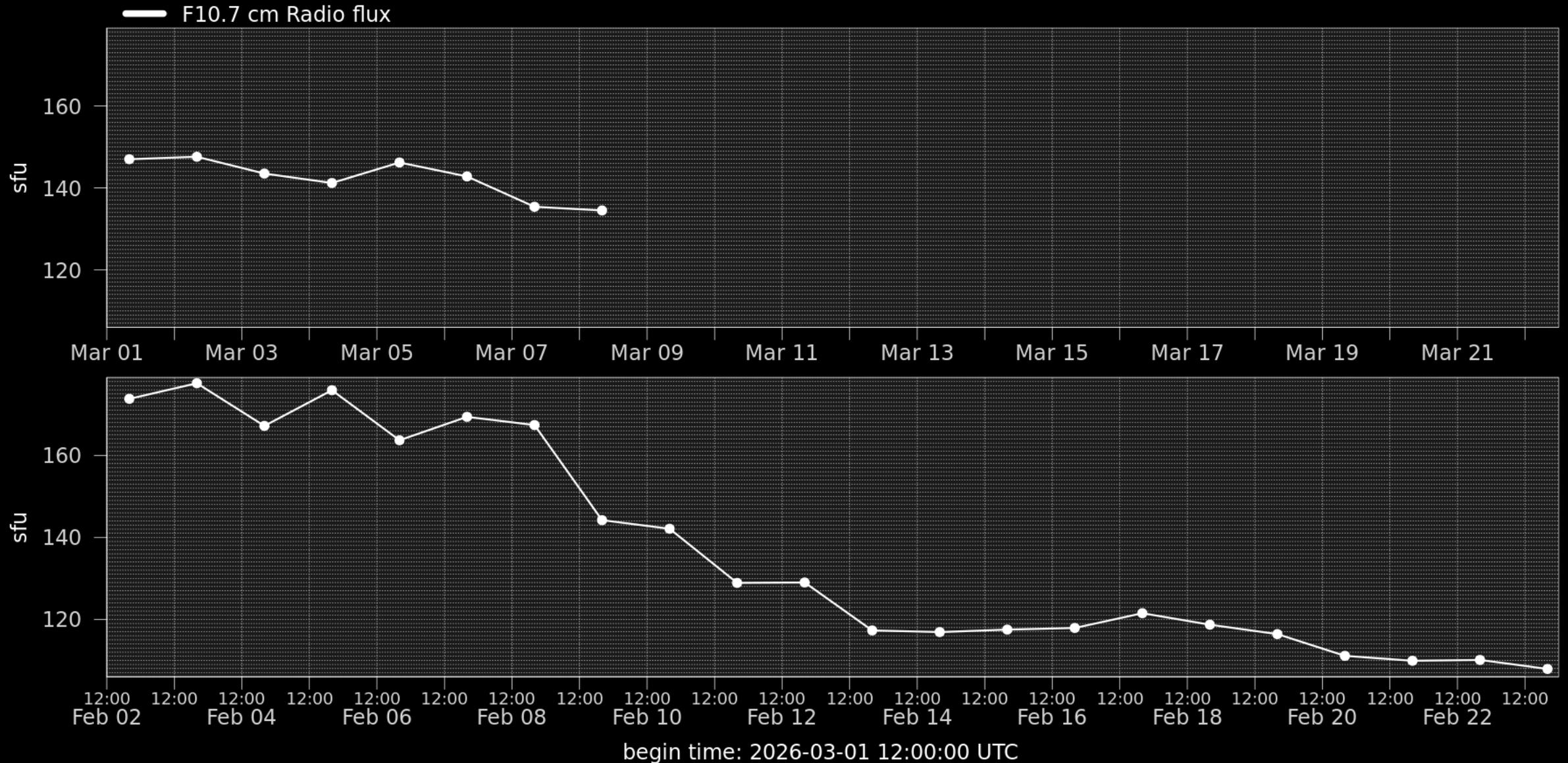
Solar Influences
Data analysis Centre
www.sidc.be

Outlook: Solar activity

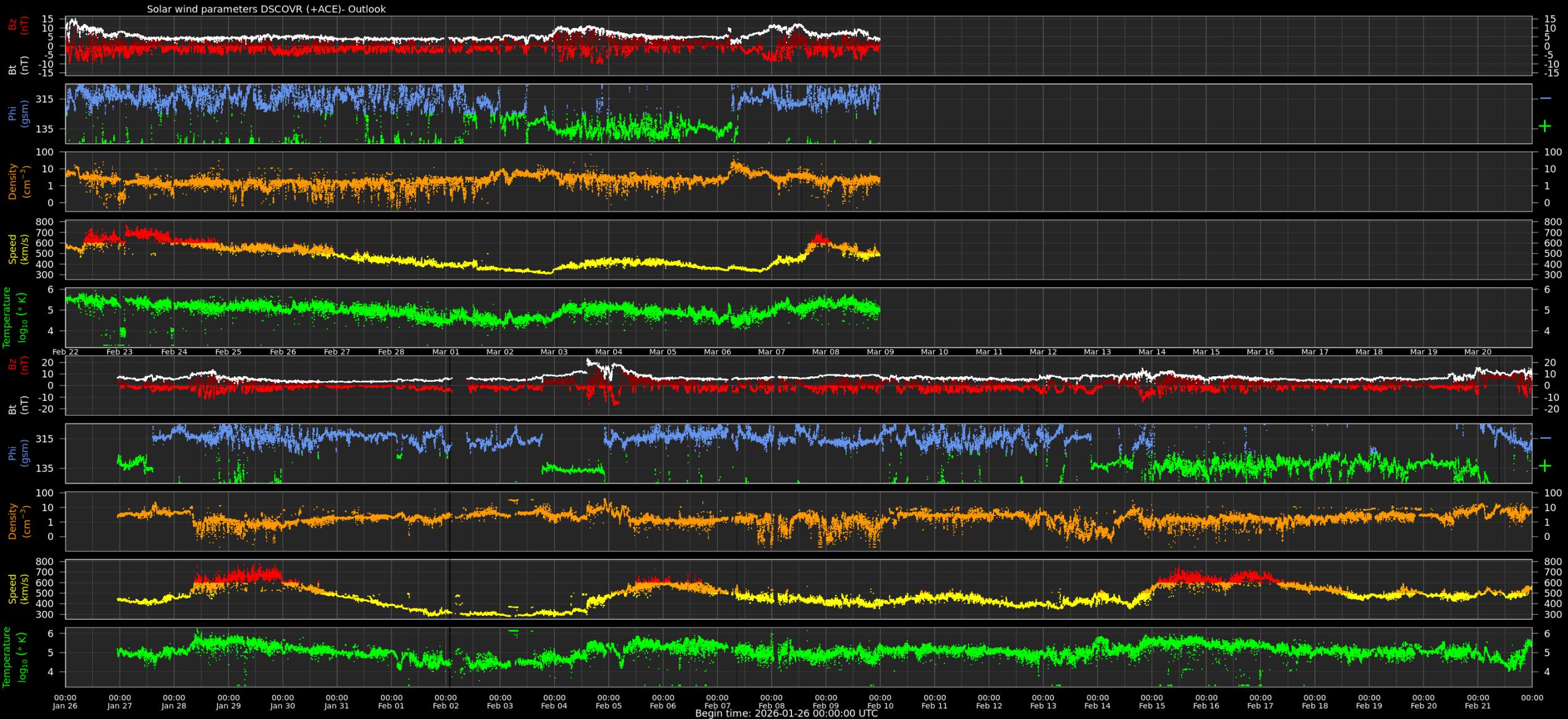


Observation date: 2026/03/09 07:35:00

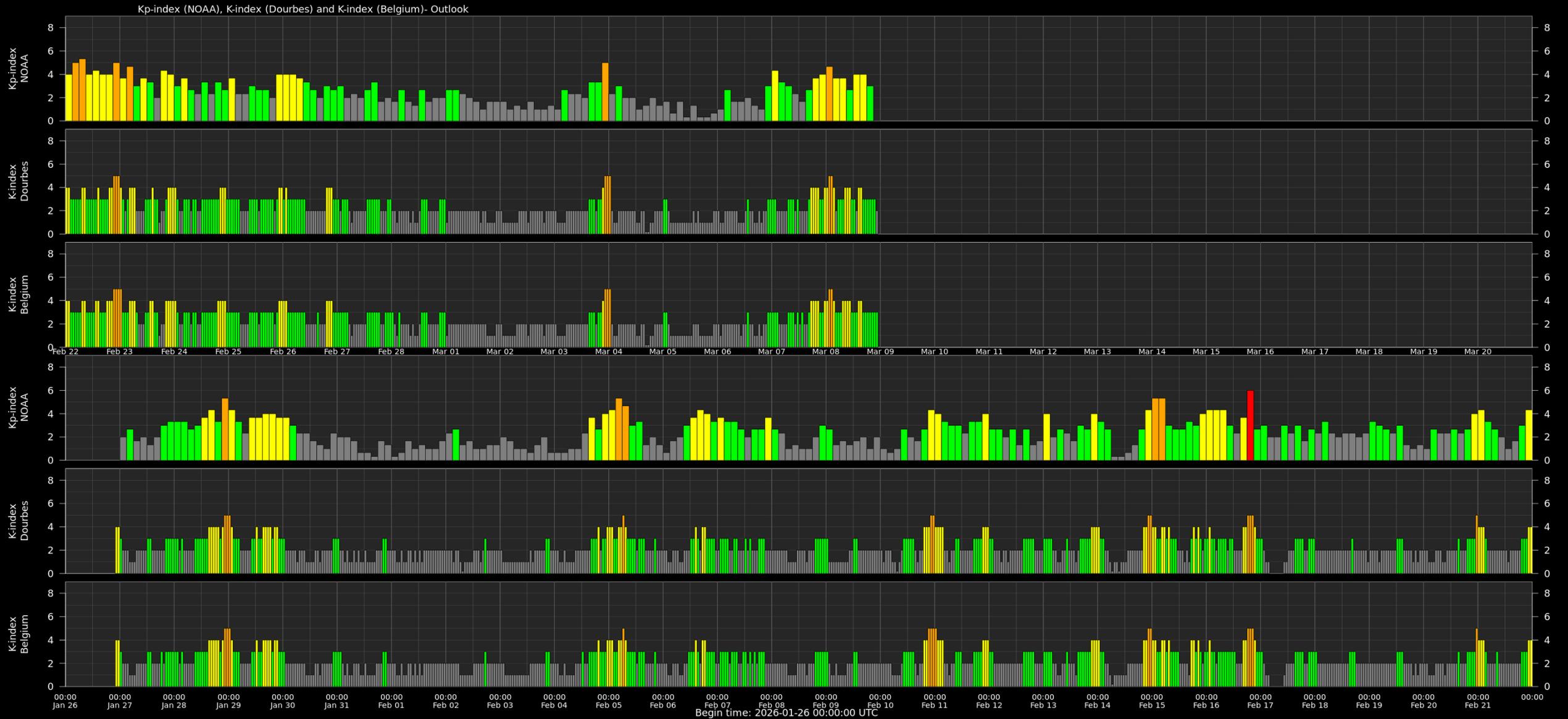
Outlook: Solar F10.7cm radio flux



Outlook: Solar wind parameters



Outlook: Geomagnetic activity



Outlook: Electron Flux at GEO Outlook



PECASUS



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Pecarus related events

GNSS advisories for Amplitude & Phase Scintillation

SIDC Space Weather Briefing

See you at our next briefing!

Or visit us at www.sidc.be



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be