

SIDC Space Weather Briefing

06 April 2026-12 April 2026

Daria Shukhobodskaja

& the SIDC forecaster team



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-04-06 00:00 to 2026-04-12 23:59

Active regions	18 Active Regions: SIDC SG 838 (NOAA AR 4409); SIDC SG 842 (NOAA AR 4414); SIDC SG 845 (NOAA AR 4417)
Flares	# C-class flare: 25 # M-class flare: 1 # X-class flare: 0
Coronal Holes	CH+ and CH-
CMEs	No Earth Directed CMEs

Proton flux	below the 10 pfu threshold
Electron flux	Above the 1000 pfu at the start of the week until April 09

Solar wind and geomagnetic conditions

ICMEs	None
Solar wind conditions	B : 0.27 - 14.33 nT //Bz: -9.32 nT to 11.58 nT //Speed: 344.4 - 700.6km/s
Geomagnetic conditions	max KBel: 4.0, max Kp(NOAA): 4.33, Active conditions

All Quiet Alert: Off

Solar Activity

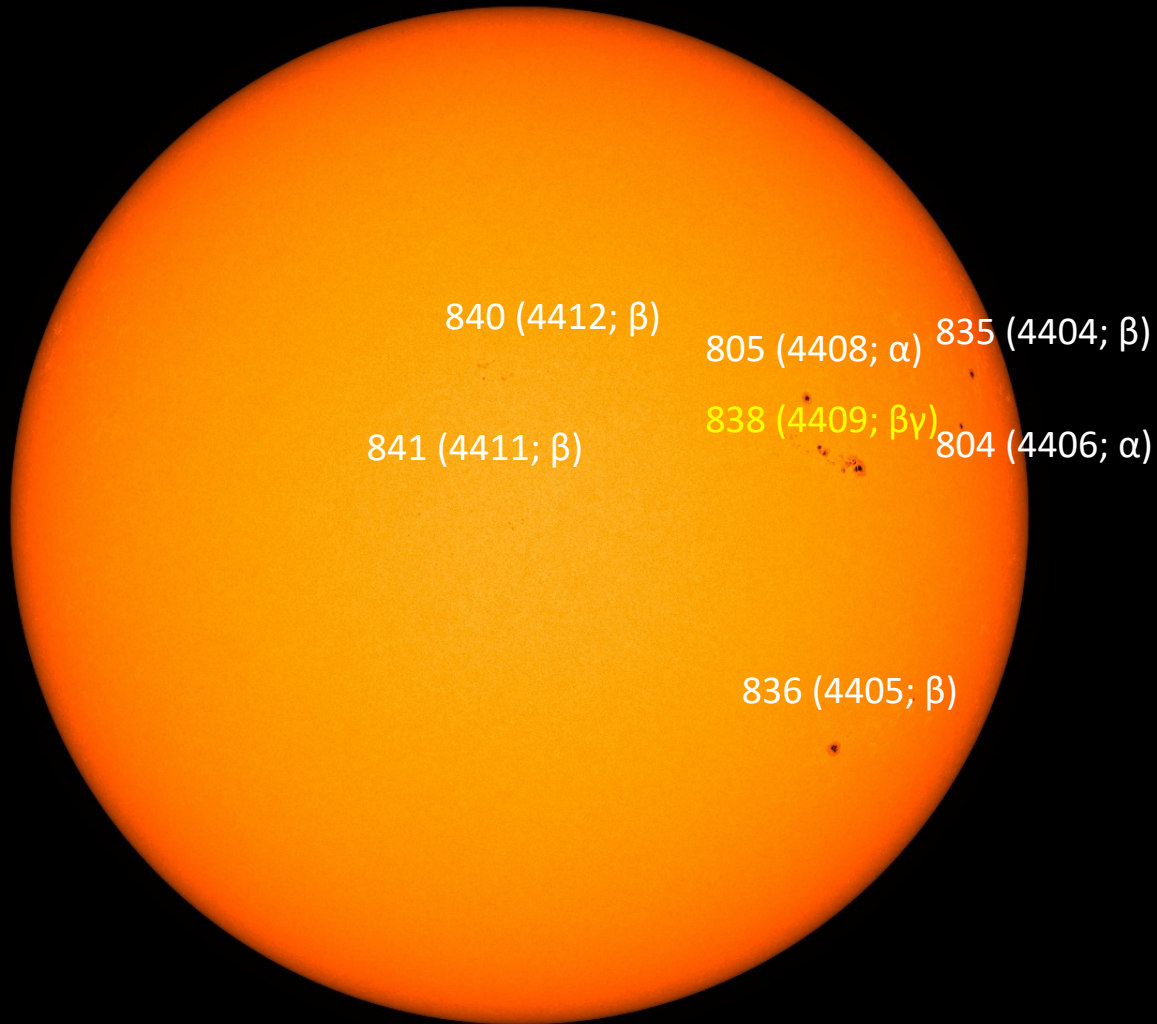


Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

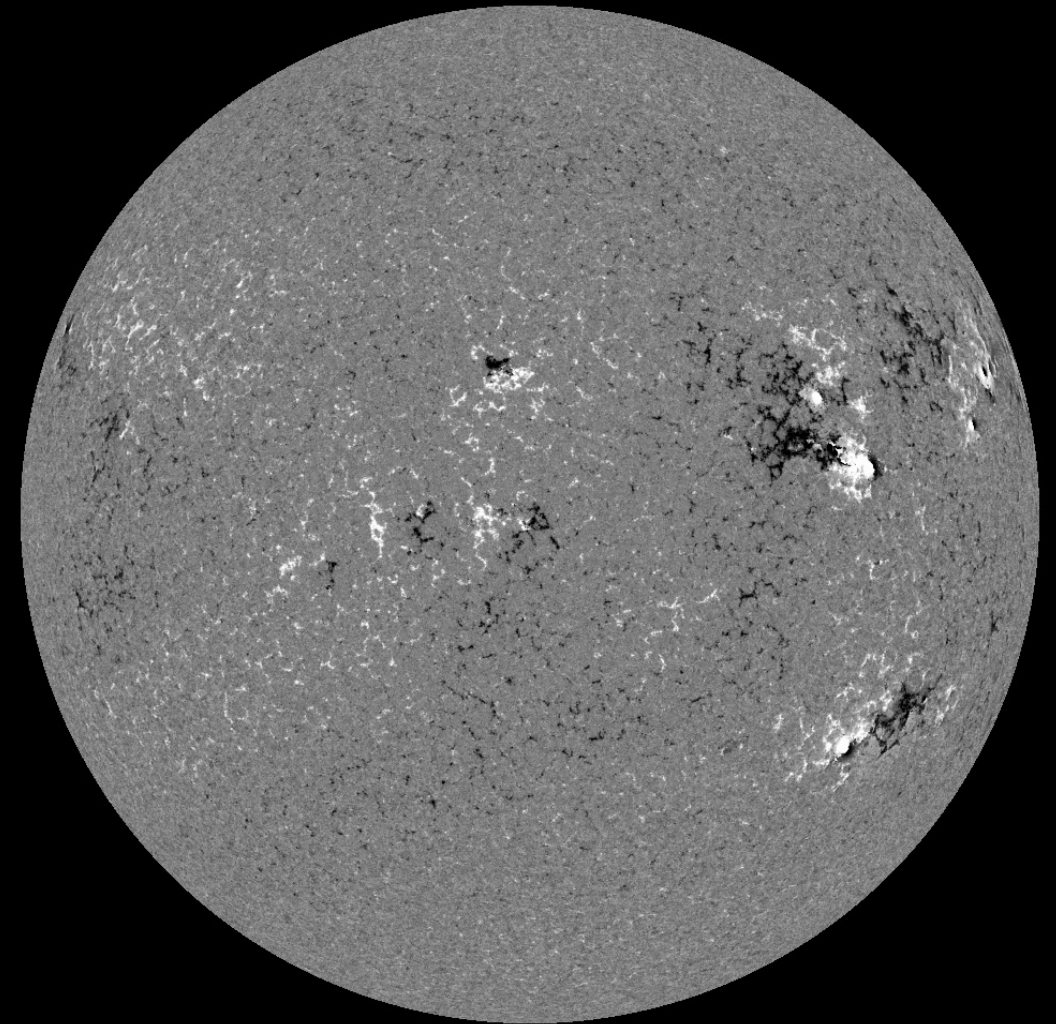
Solar active regions

SDO/HMI White Light 2026-04-06



SDO/HMI Continuum: 20260406_120000

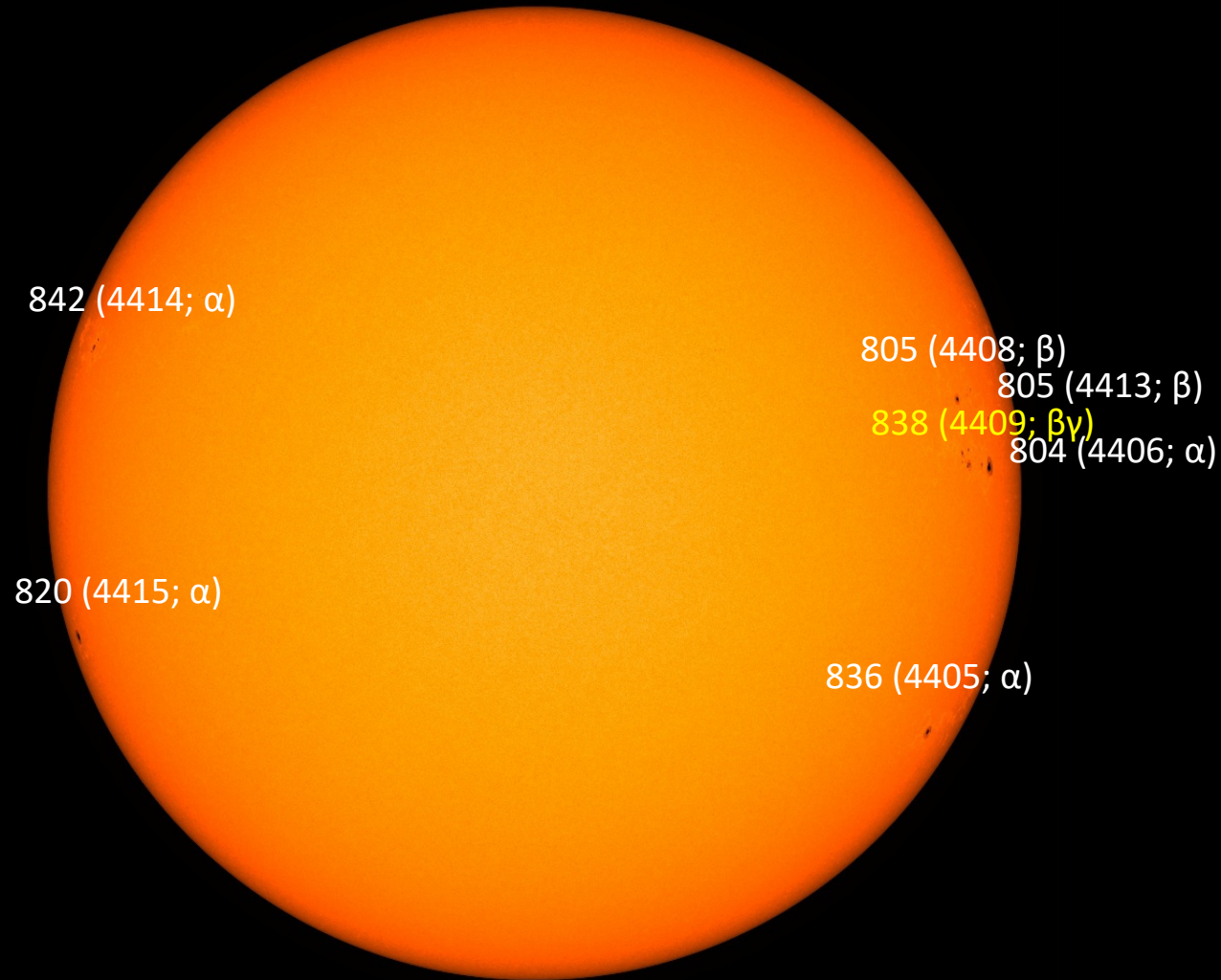
SDO/HMI Magnetogram 2026-04-06



SDO/HMI Magnetogram: 20260406_120000

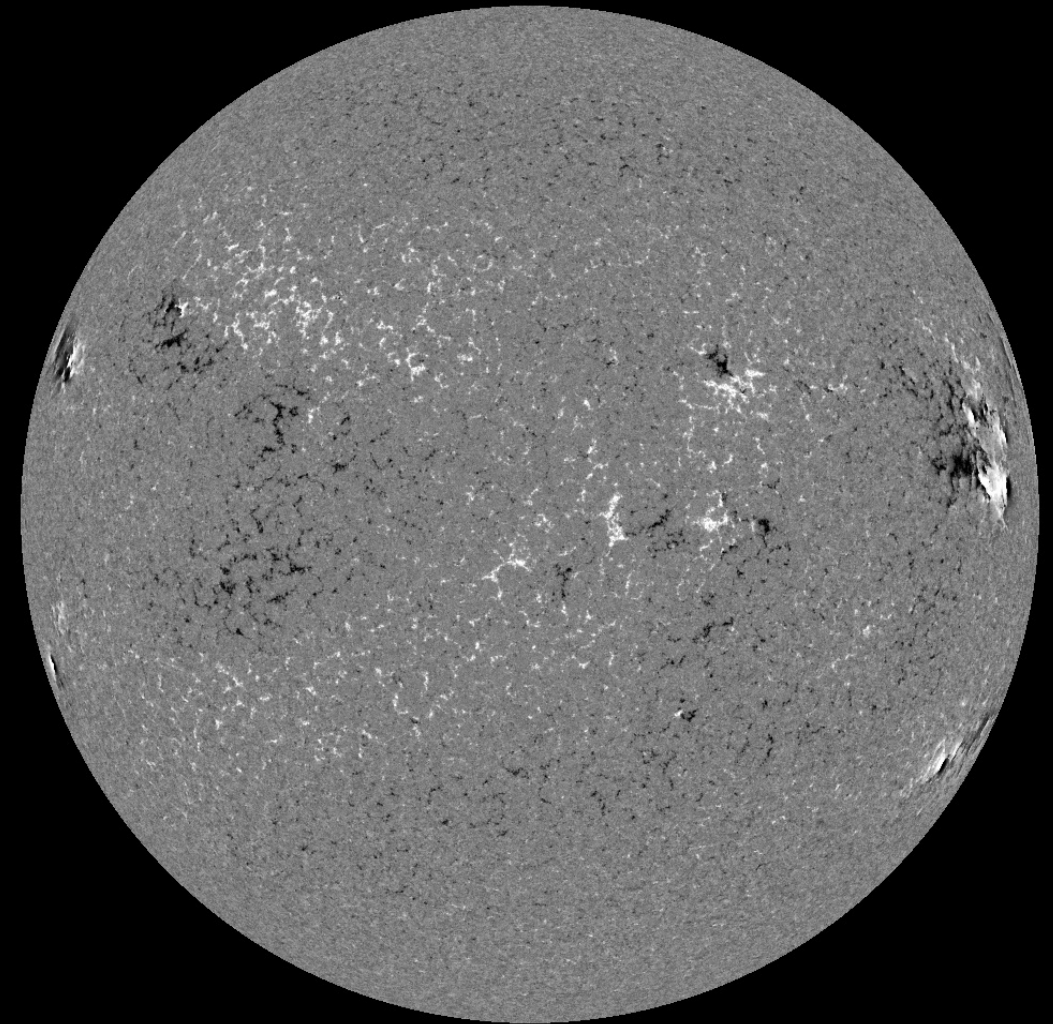
Solar active regions

SDO/HMI White Light 2026-04-08



SDO/HMI Continuum: 20260408_120000

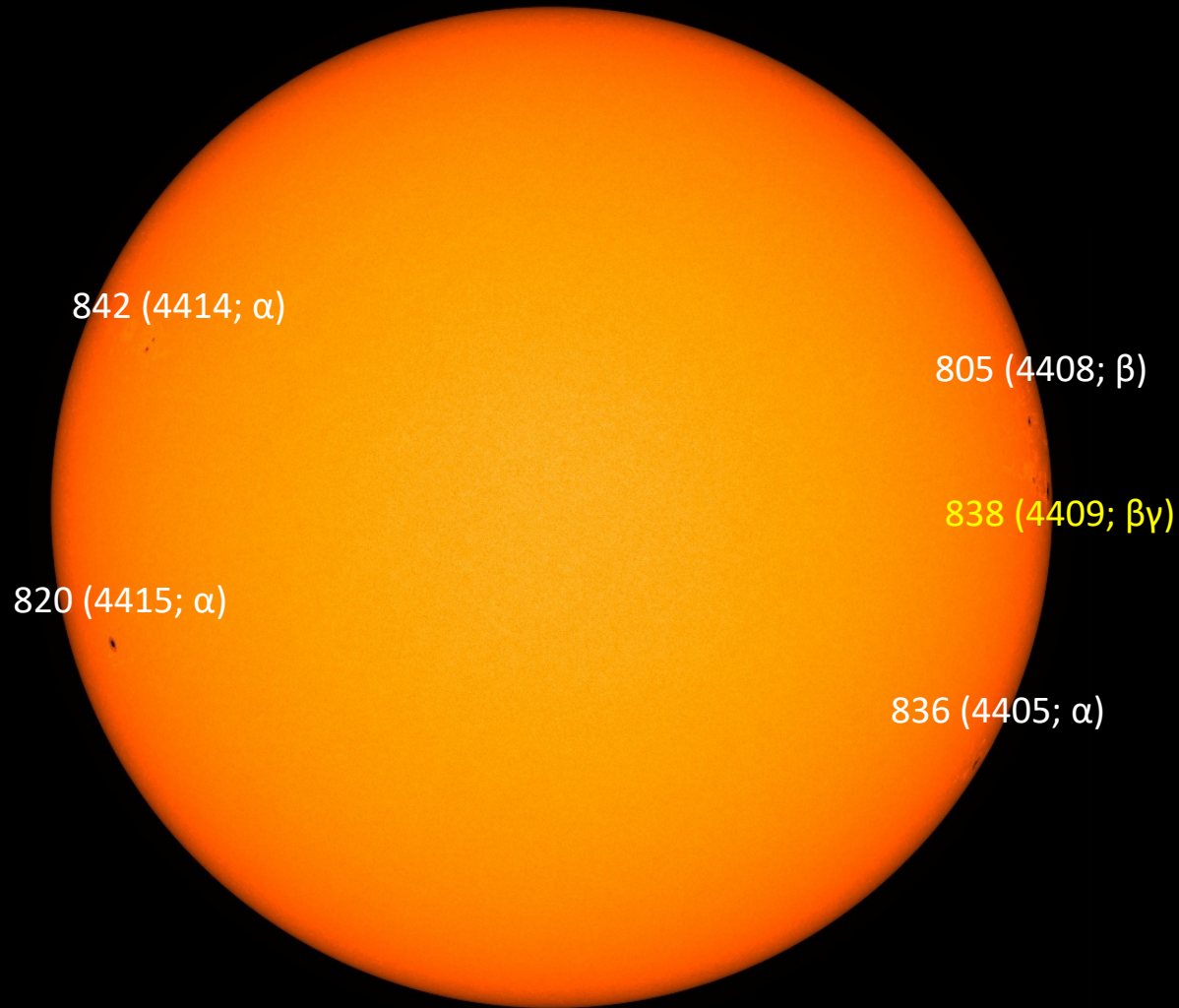
SDO/HMI Magnetogram 2026-04-08



SDO/HMI Magnetogram: 20260408_120000

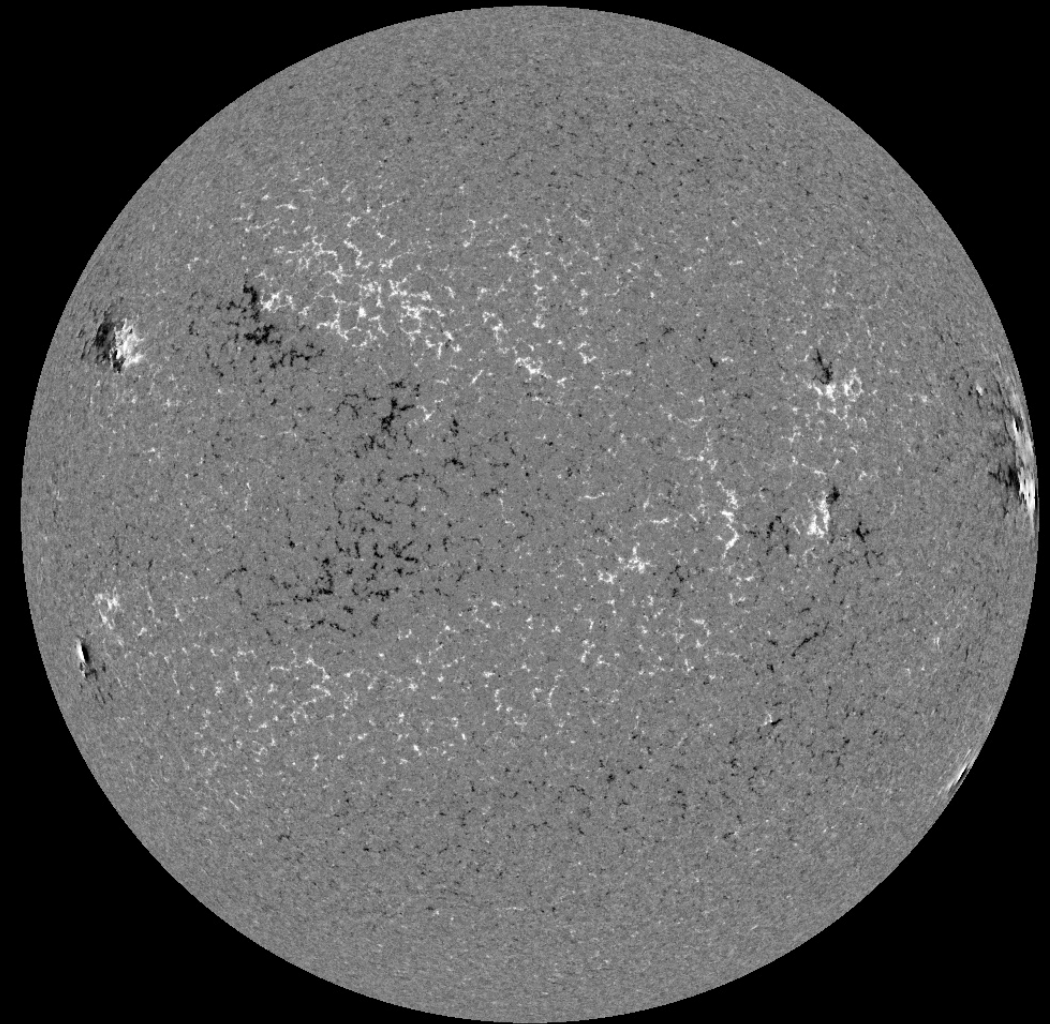
Solar active regions

SDO/HMI White Light 2026-04-09



SDO/HMI Quick-Look Continuum: 20260409_120000

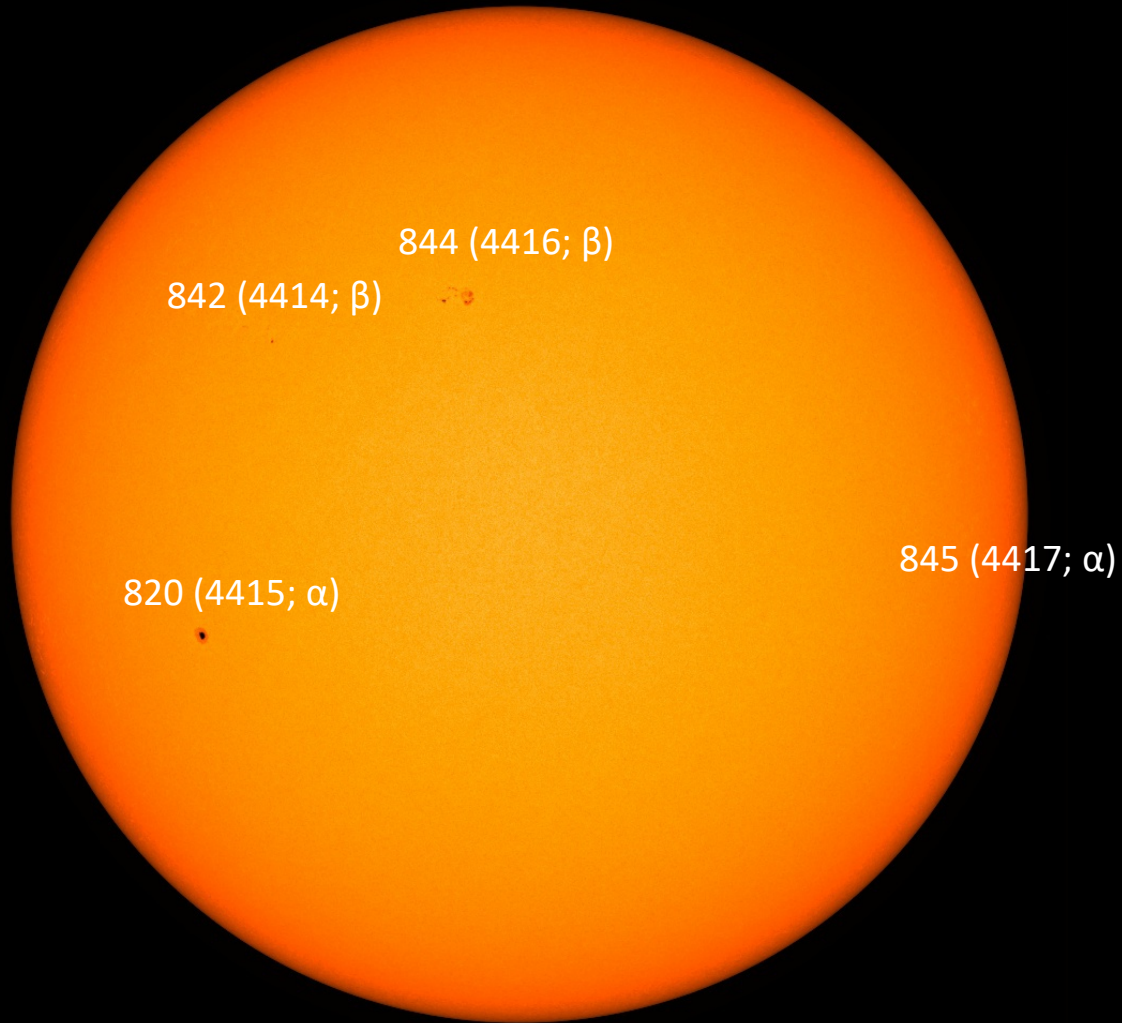
SDO/HMI Magnetogram 2026-04-09



SDO/HMI Quick-Look Magnetogram: 20260409_120000

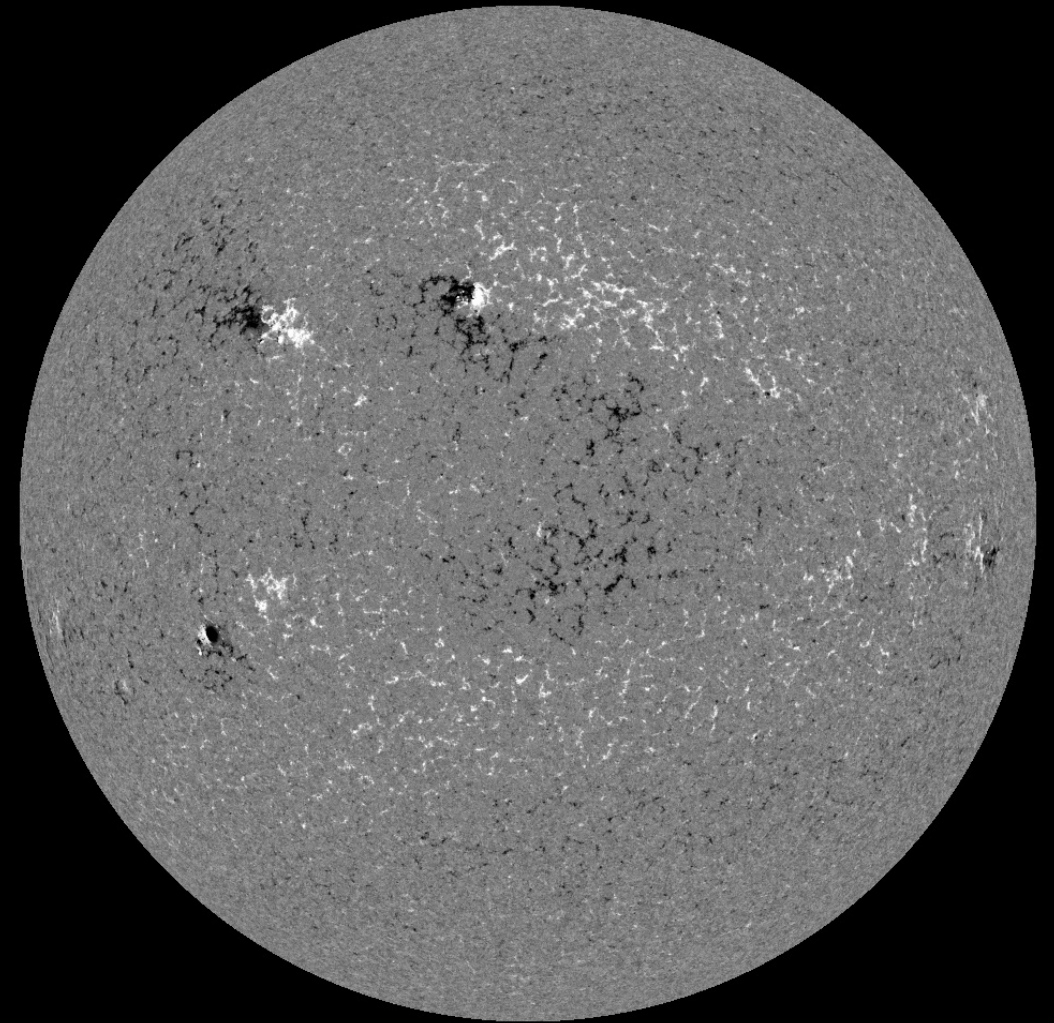
Solar active regions

SDO/HMI White Light 2026-04-11



SDO/HMI Quick-Look Continuum: 20260411_120000

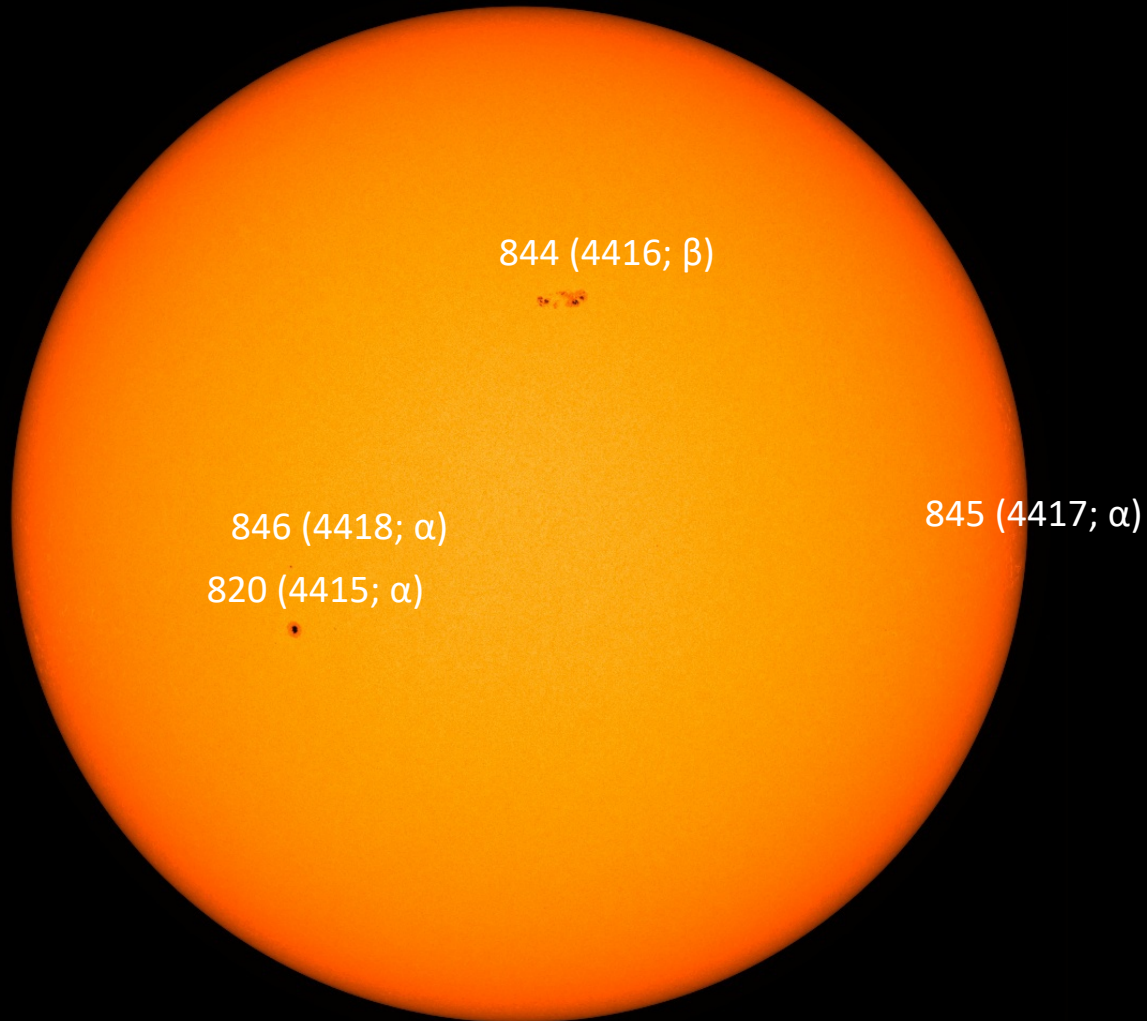
SDO/HMI Magnetogram 2026-04-11



SDO/HMI Quick-Look Magnetogram: 20260411_120000

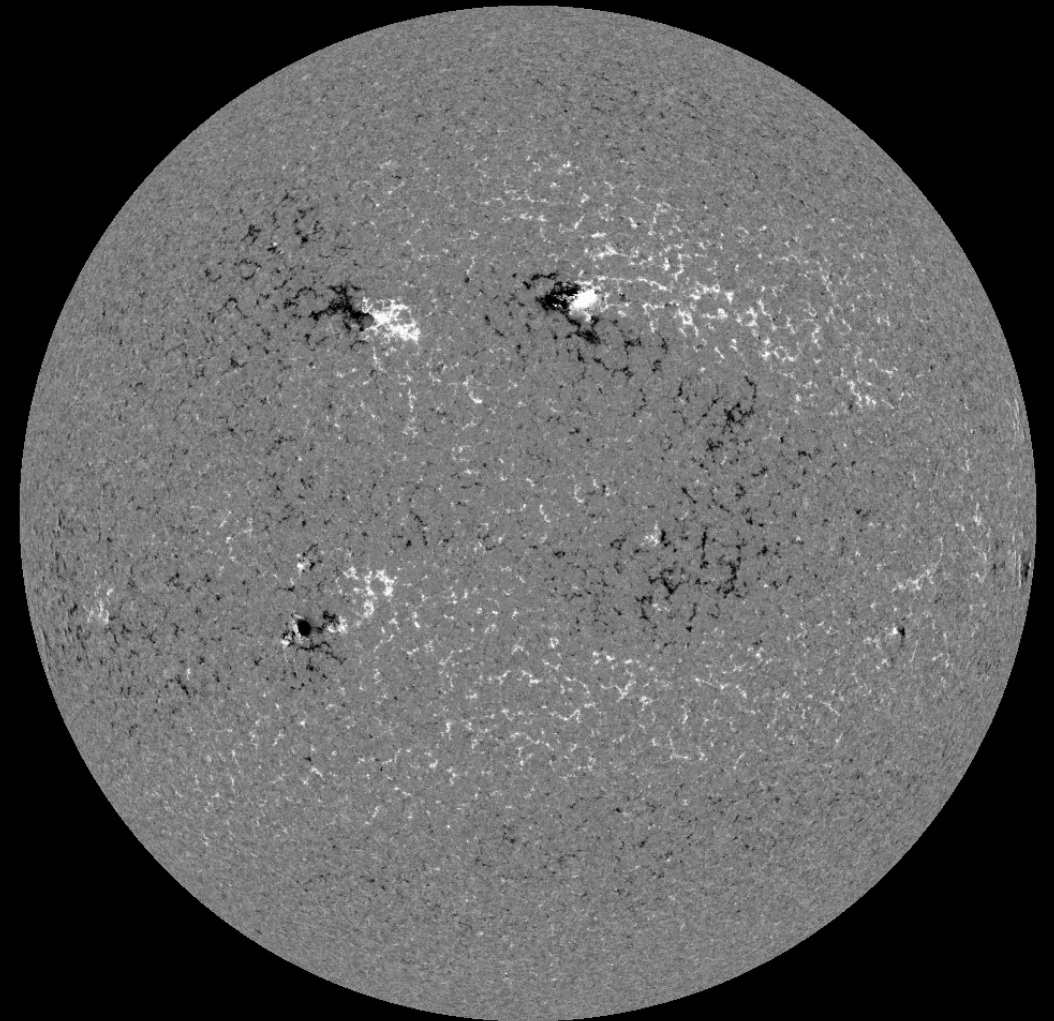
Solar active regions

SDO/HMI White Light 2026-04-12



SDO/HMI Quick-Look Continuum: 20260412_120000

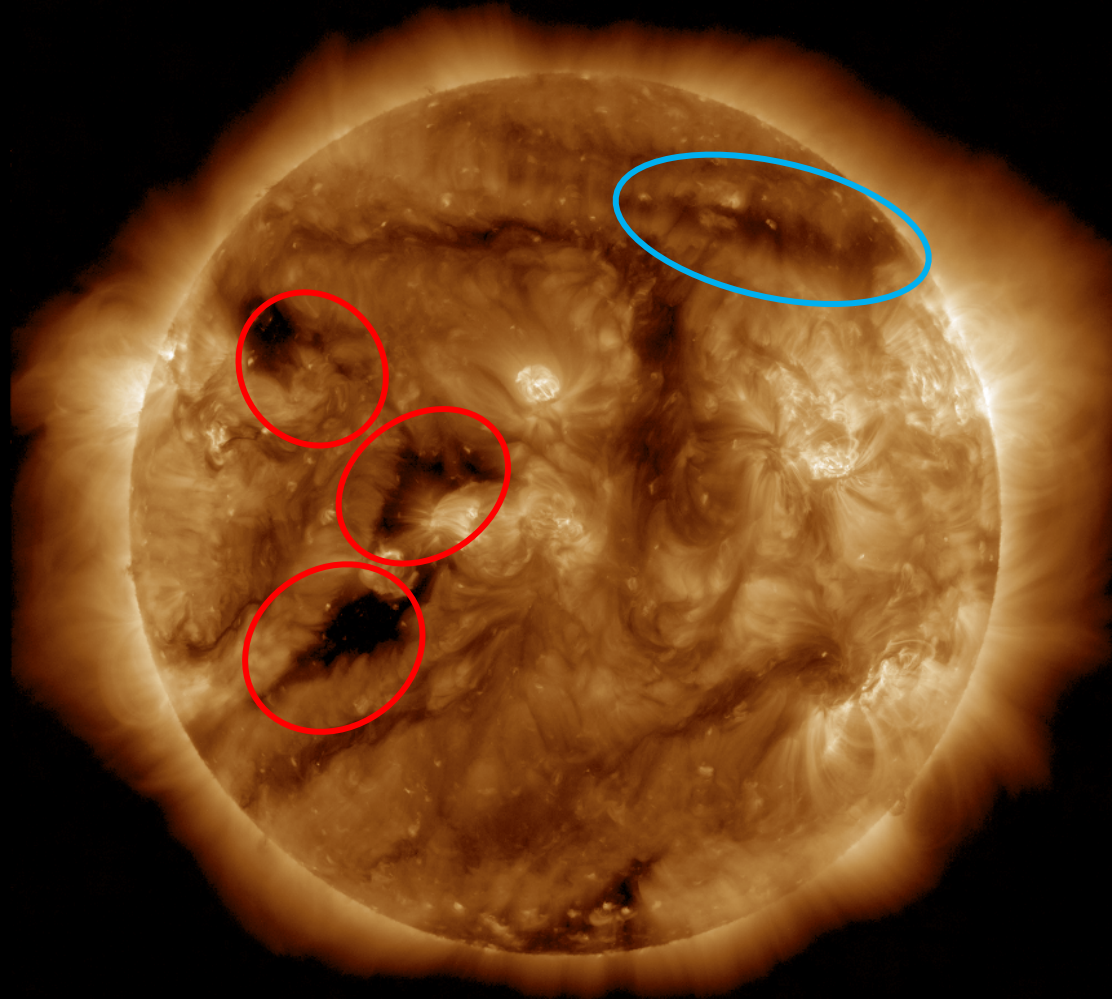
SDO/HMI Magnetogram 2026-04-12



SDO/HMI Quick-Look Magnetogram: 20260412_120000

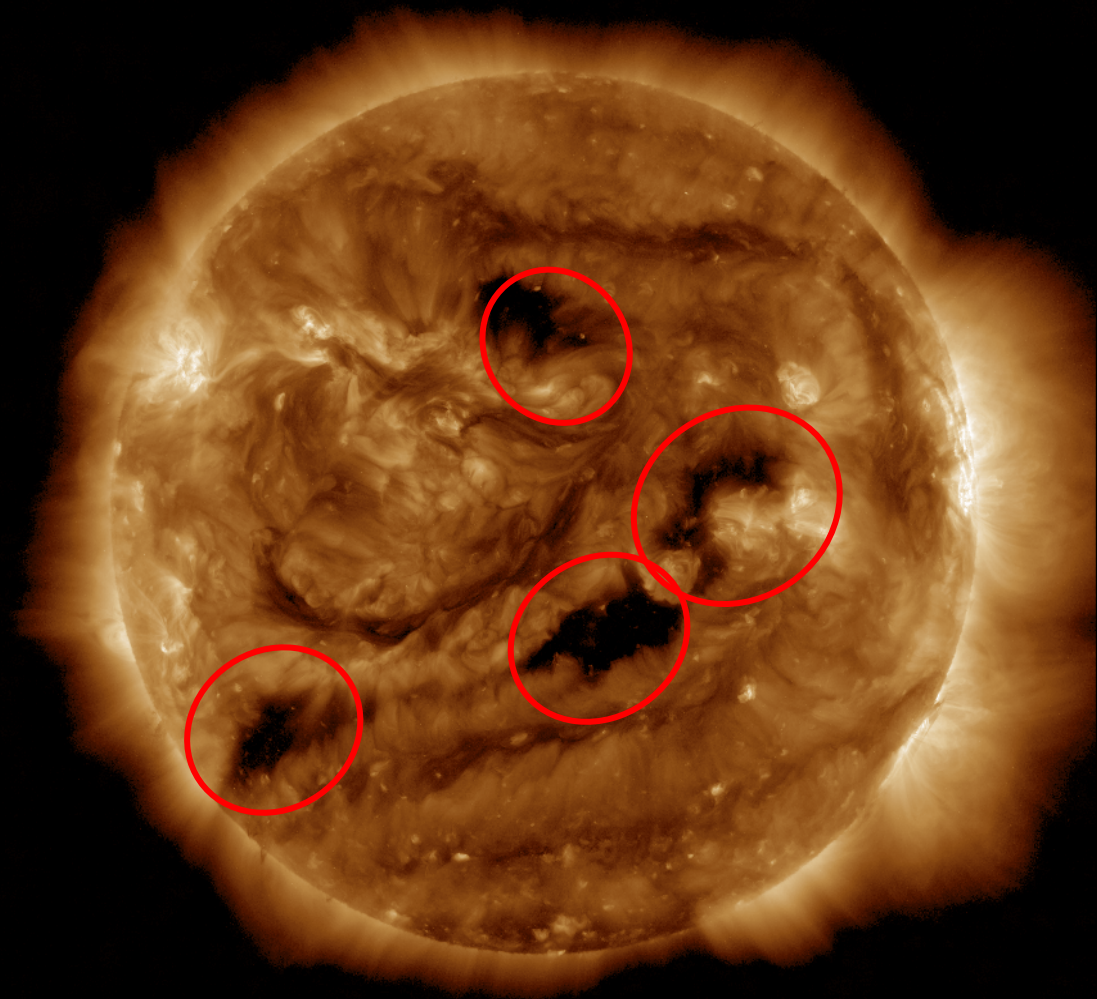
Coronal holes

SDO/AIA 19.3 nm 2026-04-06



2026-04-06T12:00:16.842

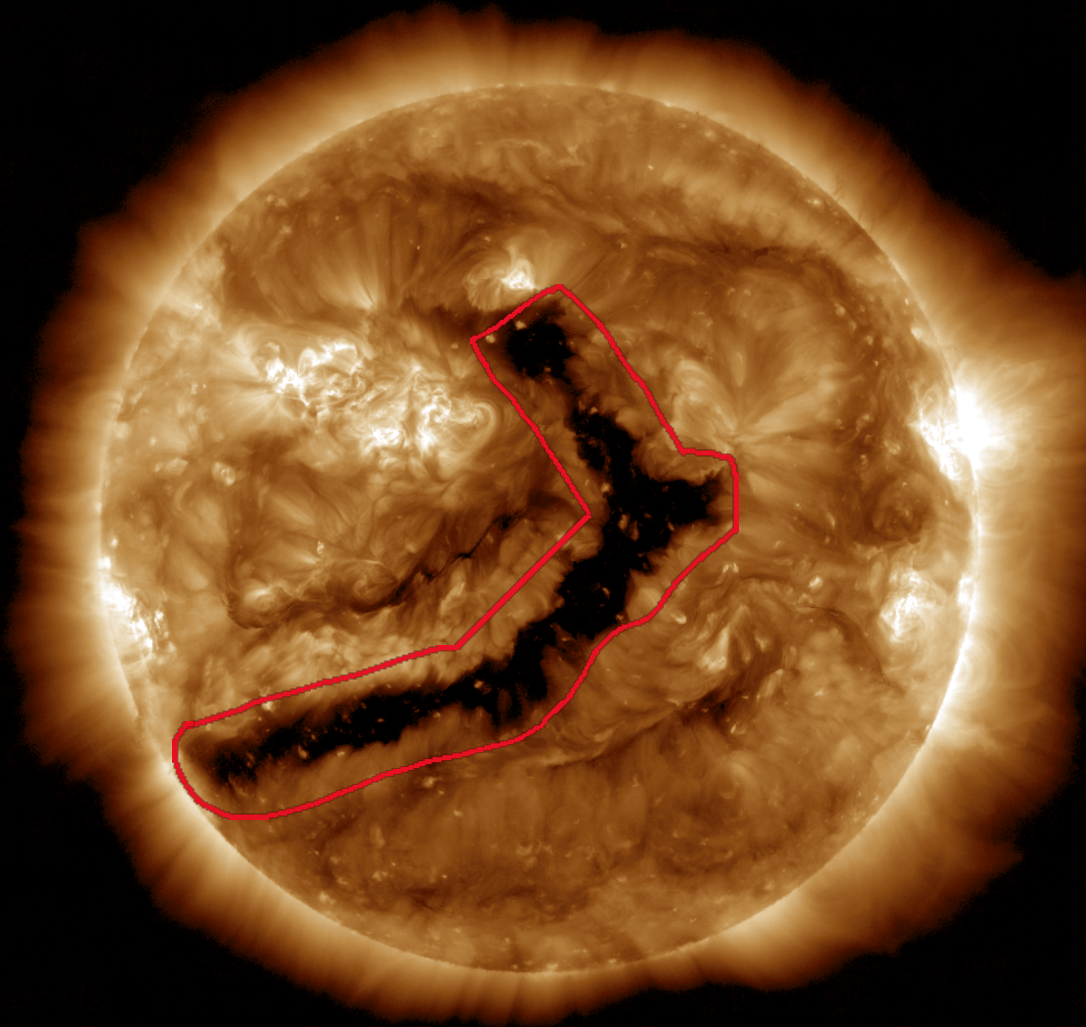
SDO/AIA 19.3 nm 2026-04-09



2026-04-09T12:00:04.844

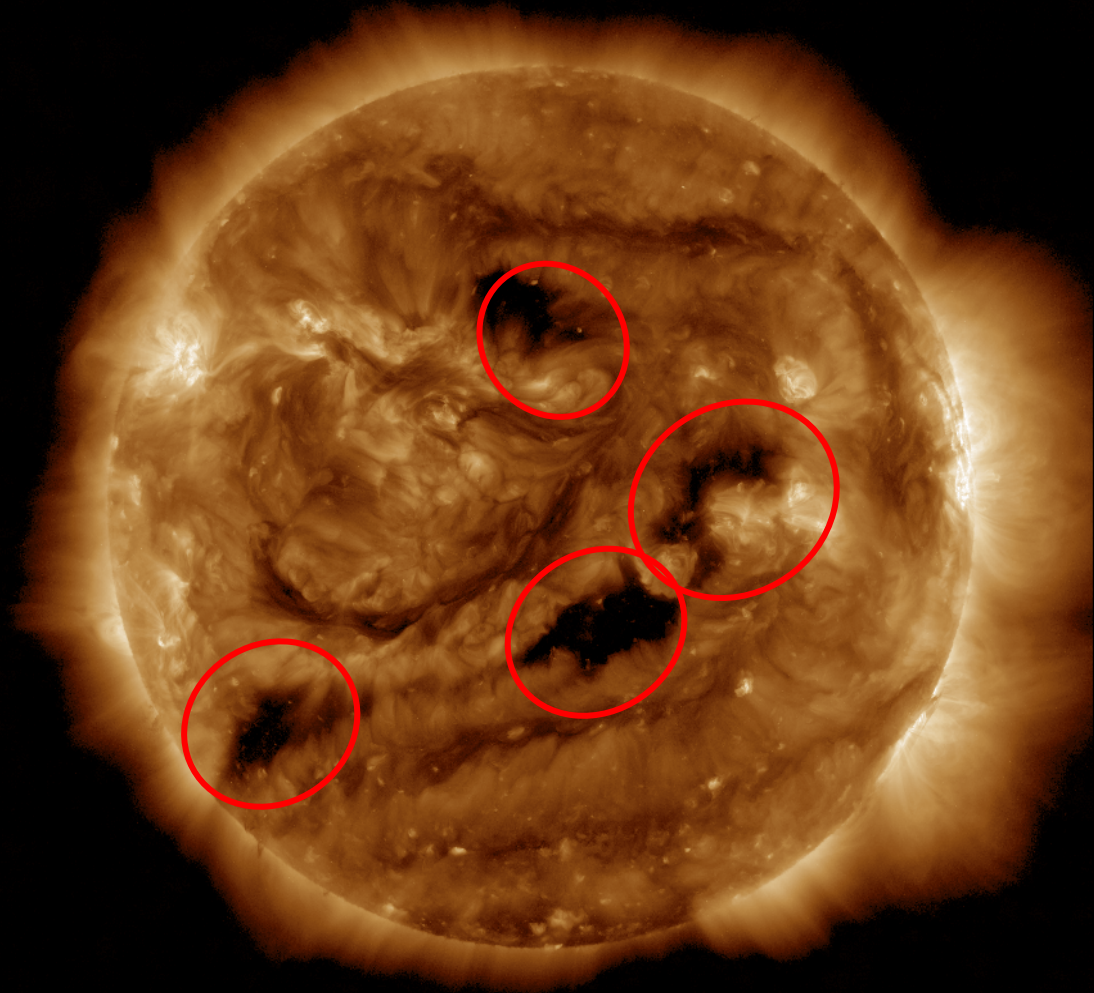
Coronal holes

SDO/AIA 19.3 nm 2026-03-13



2026-03-13T00:00:04.842

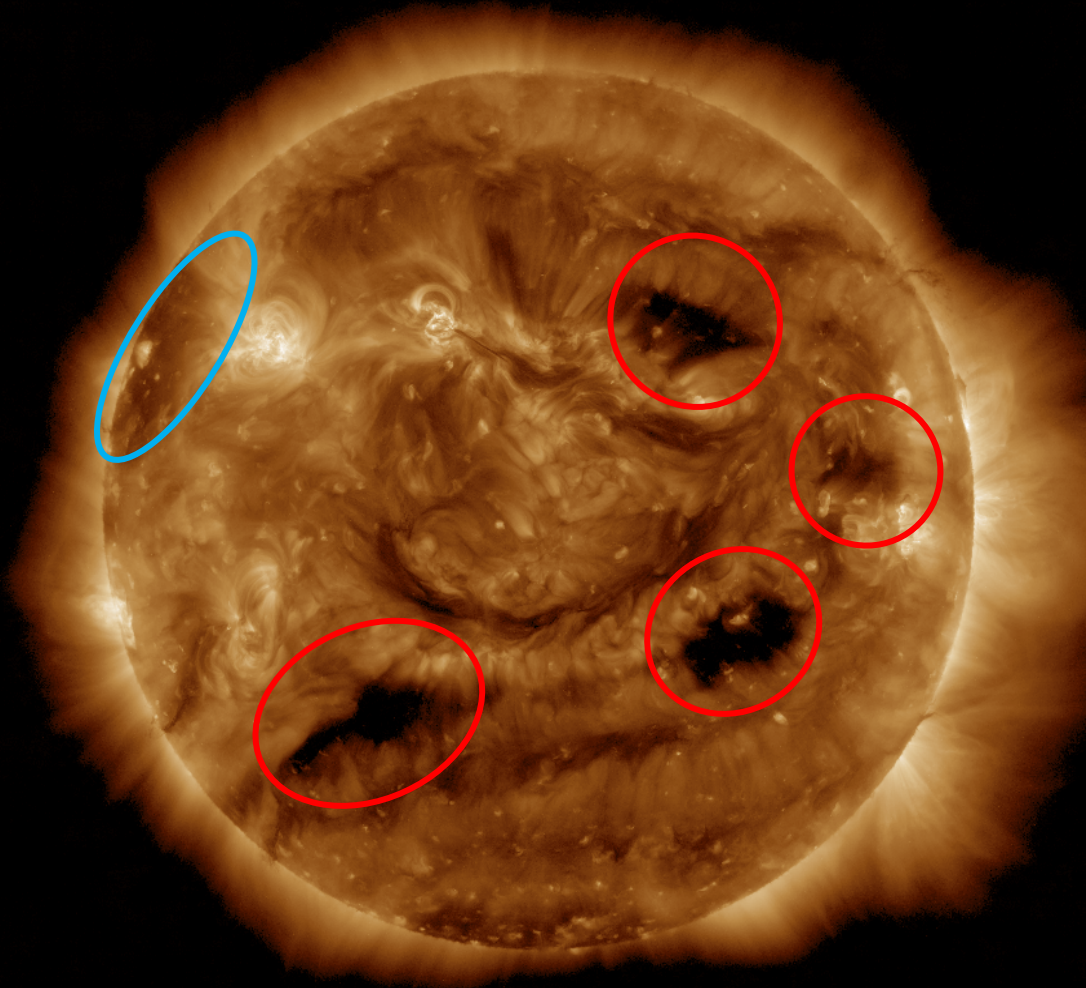
SDO/AIA 19.3 nm 2026-04-09



2026-04-09T12:00:04.844

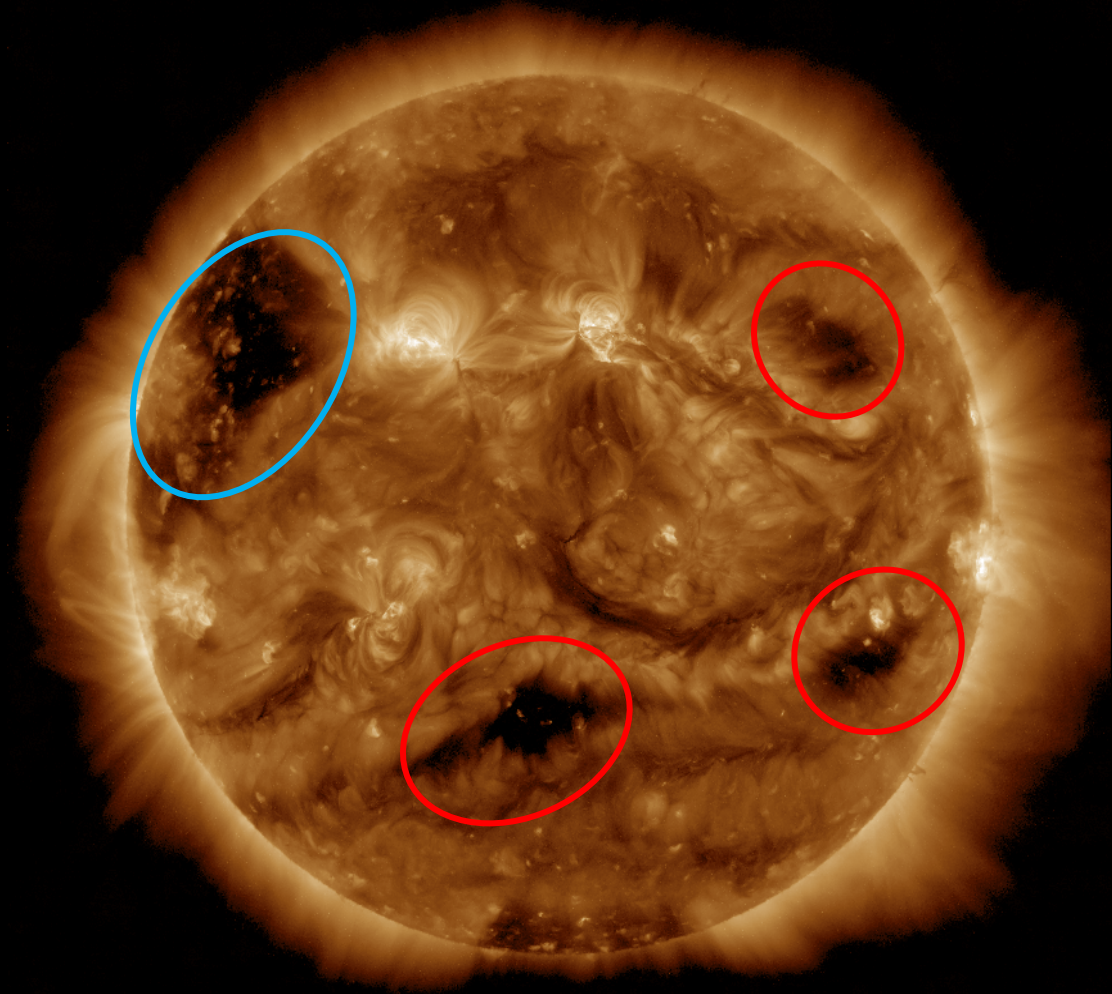
Coronal holes

SDO/AIA 19.3 nm 2026-04-10



2026-04-10T23:59:52.842

SDO/AIA 19.3 nm 2026-04-12

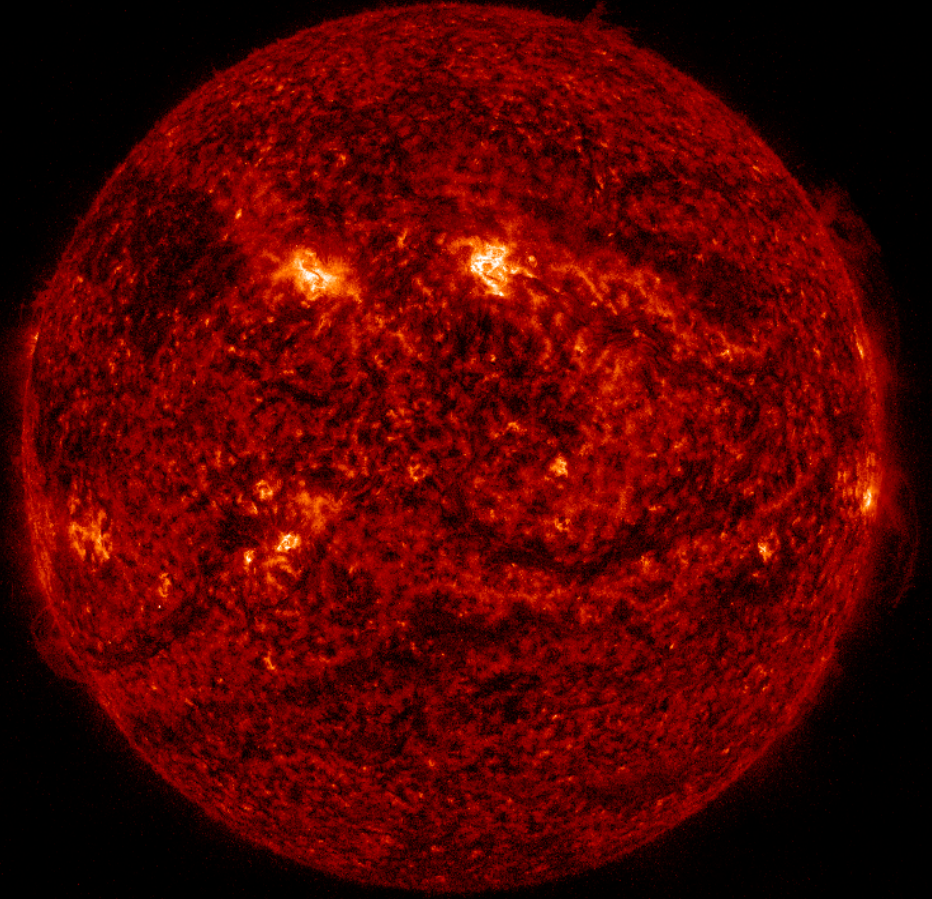
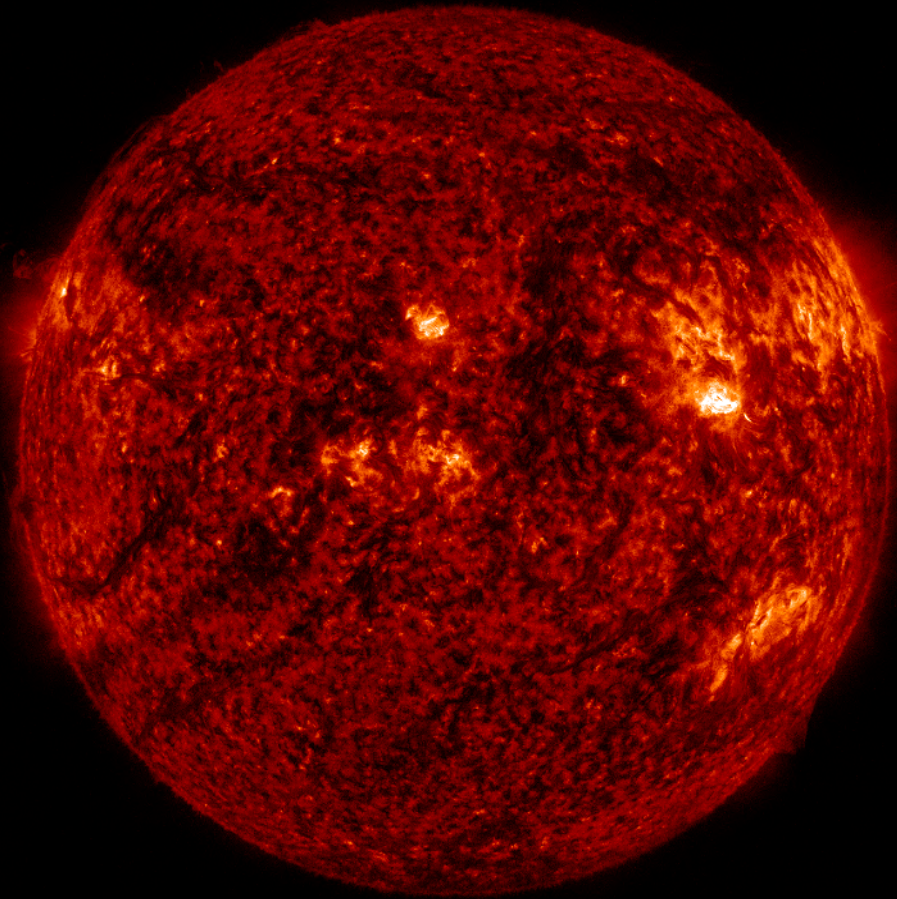


2026-04-12T11:59:40.843

Filaments

SDO/AIA 30.4 nm 2026-04-06

SDO/AIA 30.4 nm 2026-04-12



2026-04-06T12:00:17.129

2026-04-12T11:59:41.129

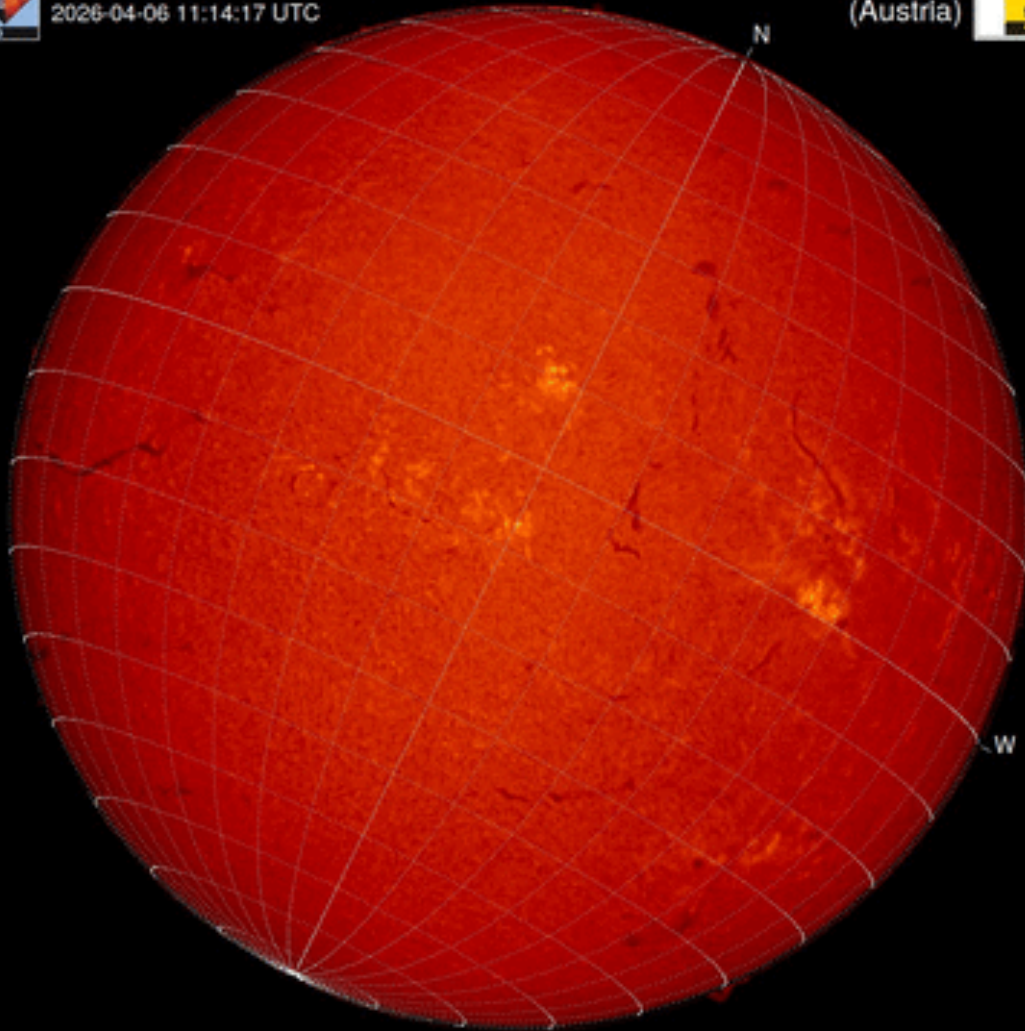
Filaments & Filament eruptions

H-alpha 2026-04-06



Kanzelhöhe Observatory
2026-04-06 11:14:17 UTC

University of Graz
(Austria)

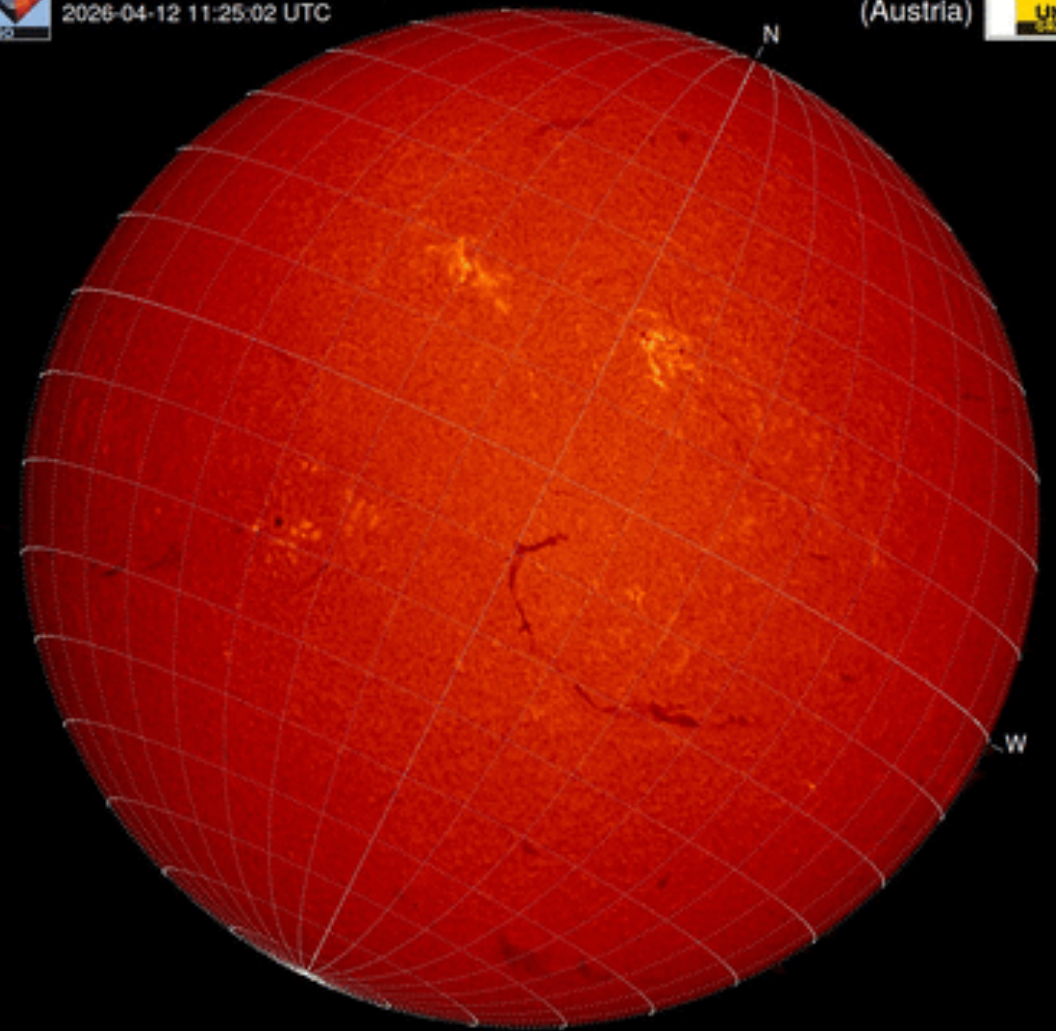


H-alpha 2026-04-12

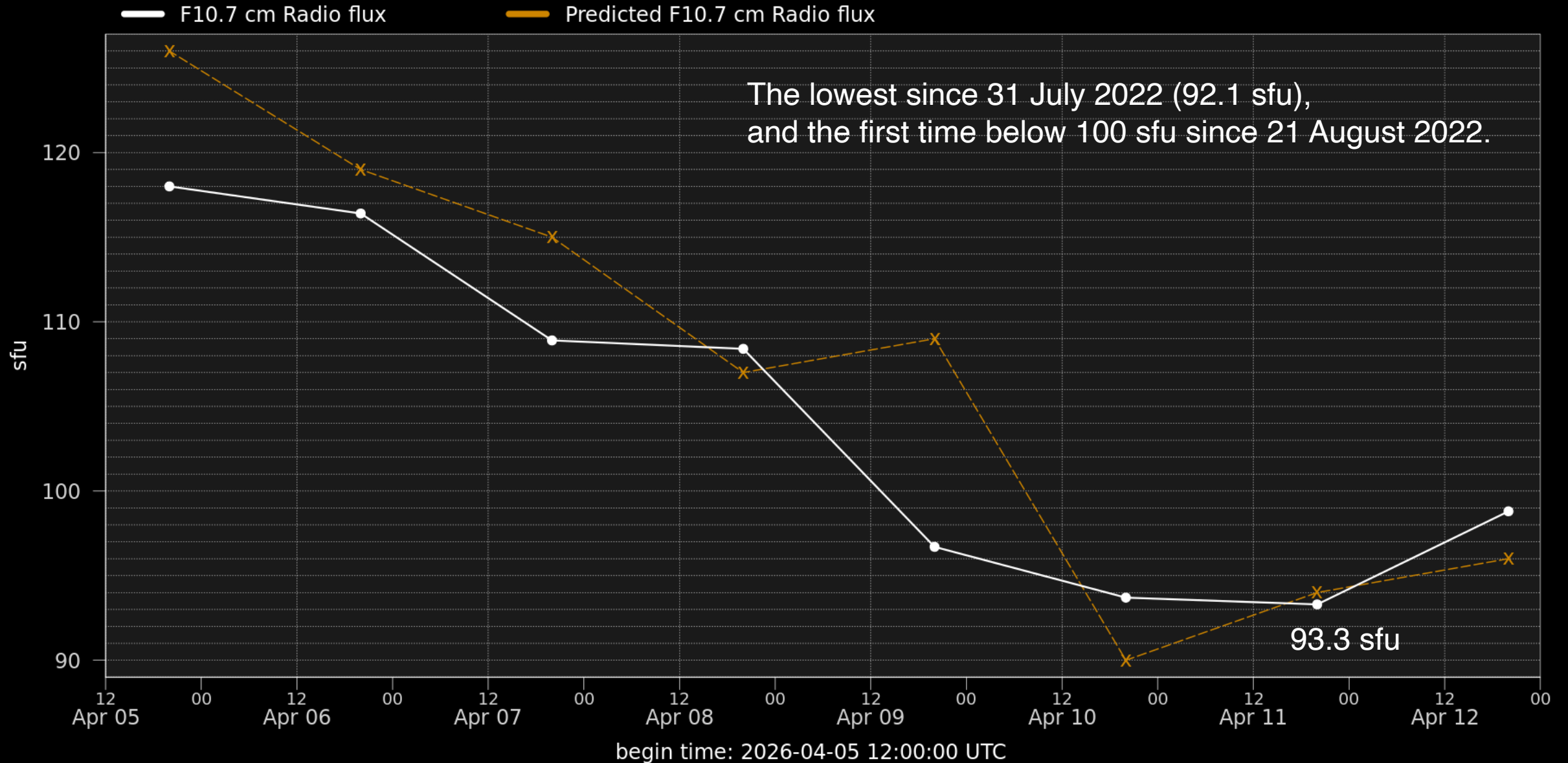


Kanzelhöhe Observatory
2026-04-12 11:25:02 UTC

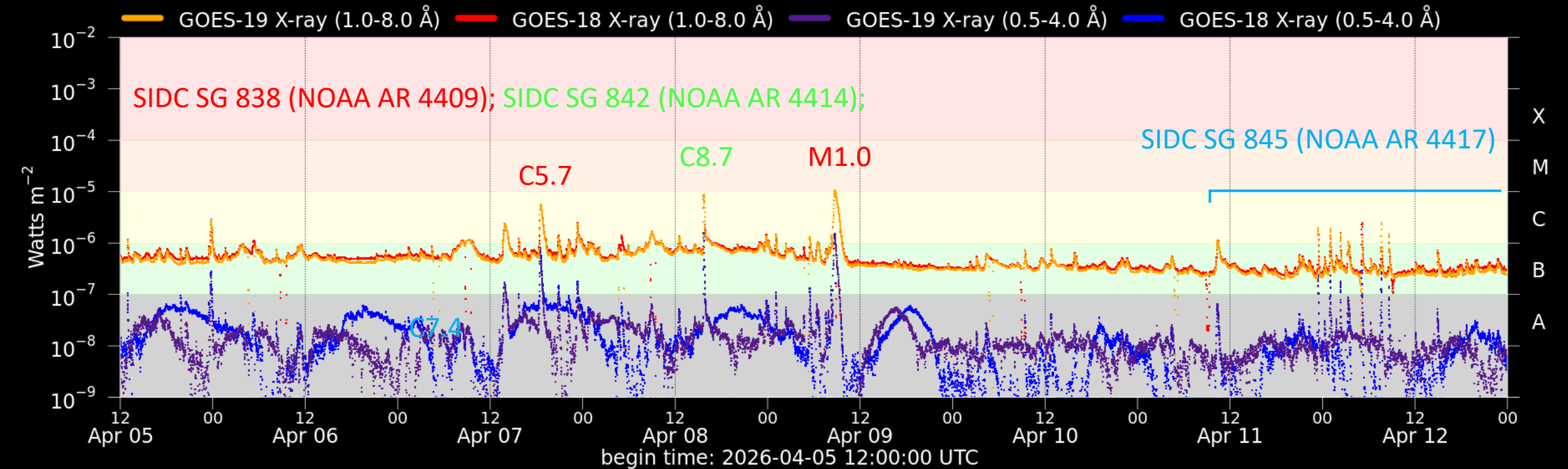
University of Graz
(Austria)



Solar F10.7cm radio flux



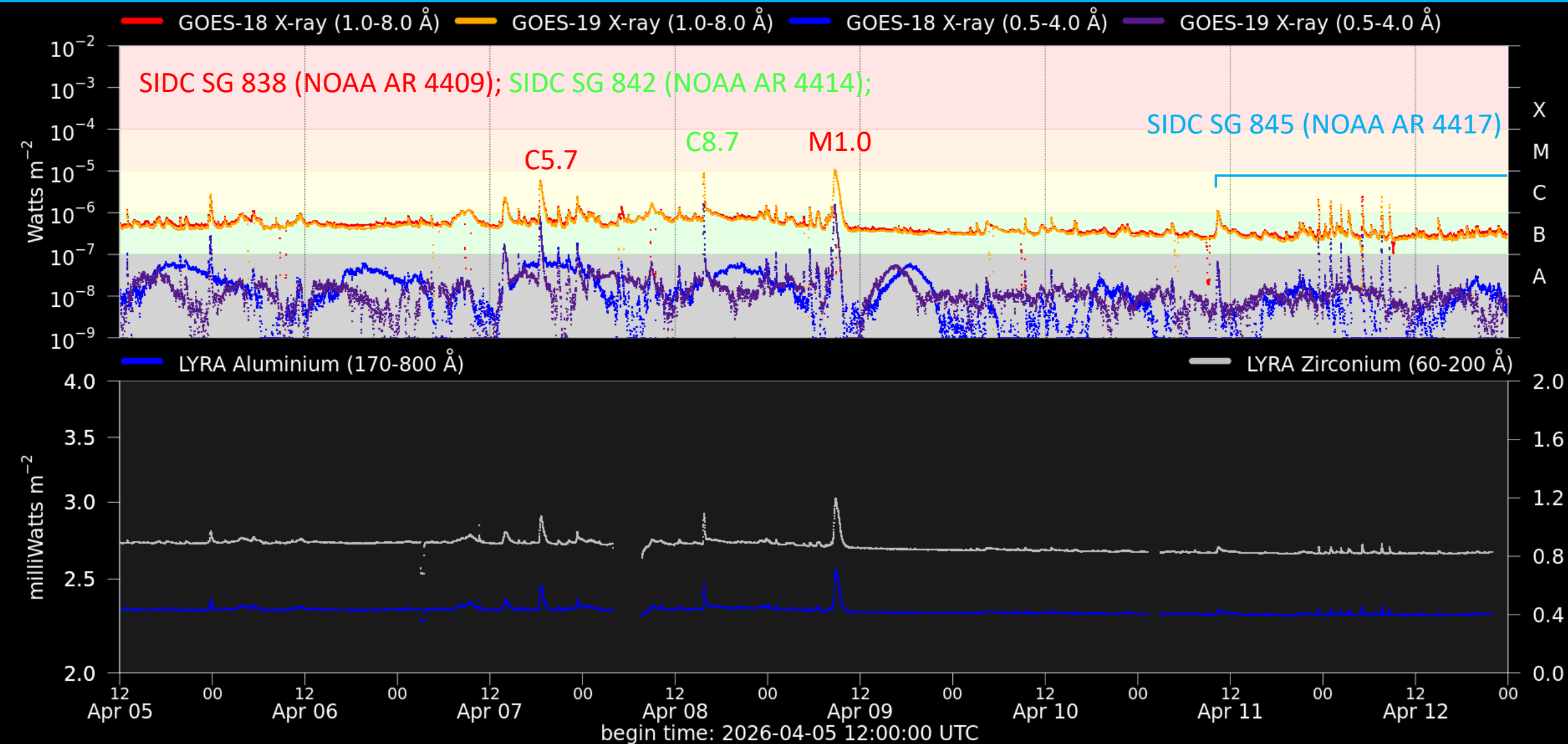
Flaring activity



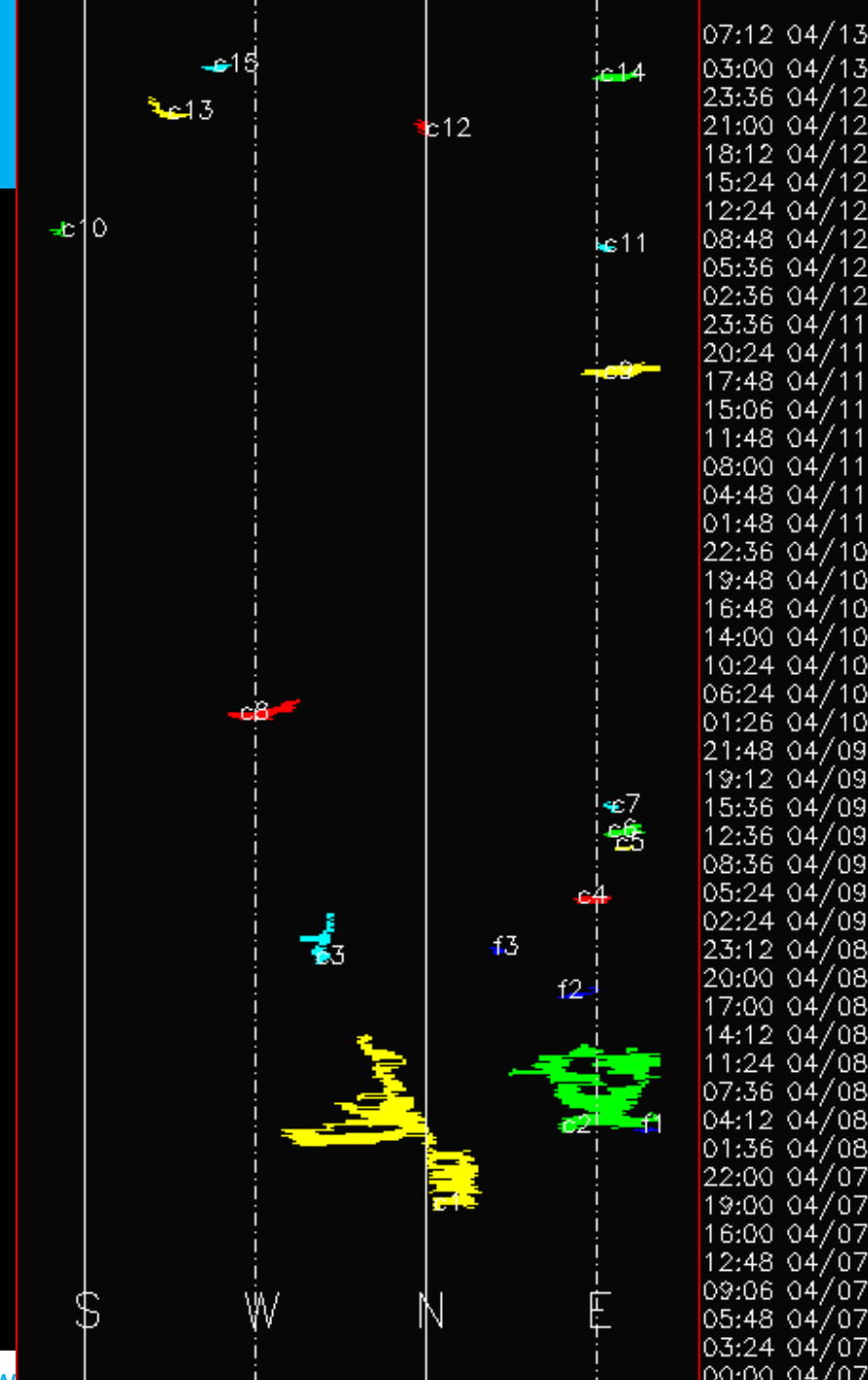
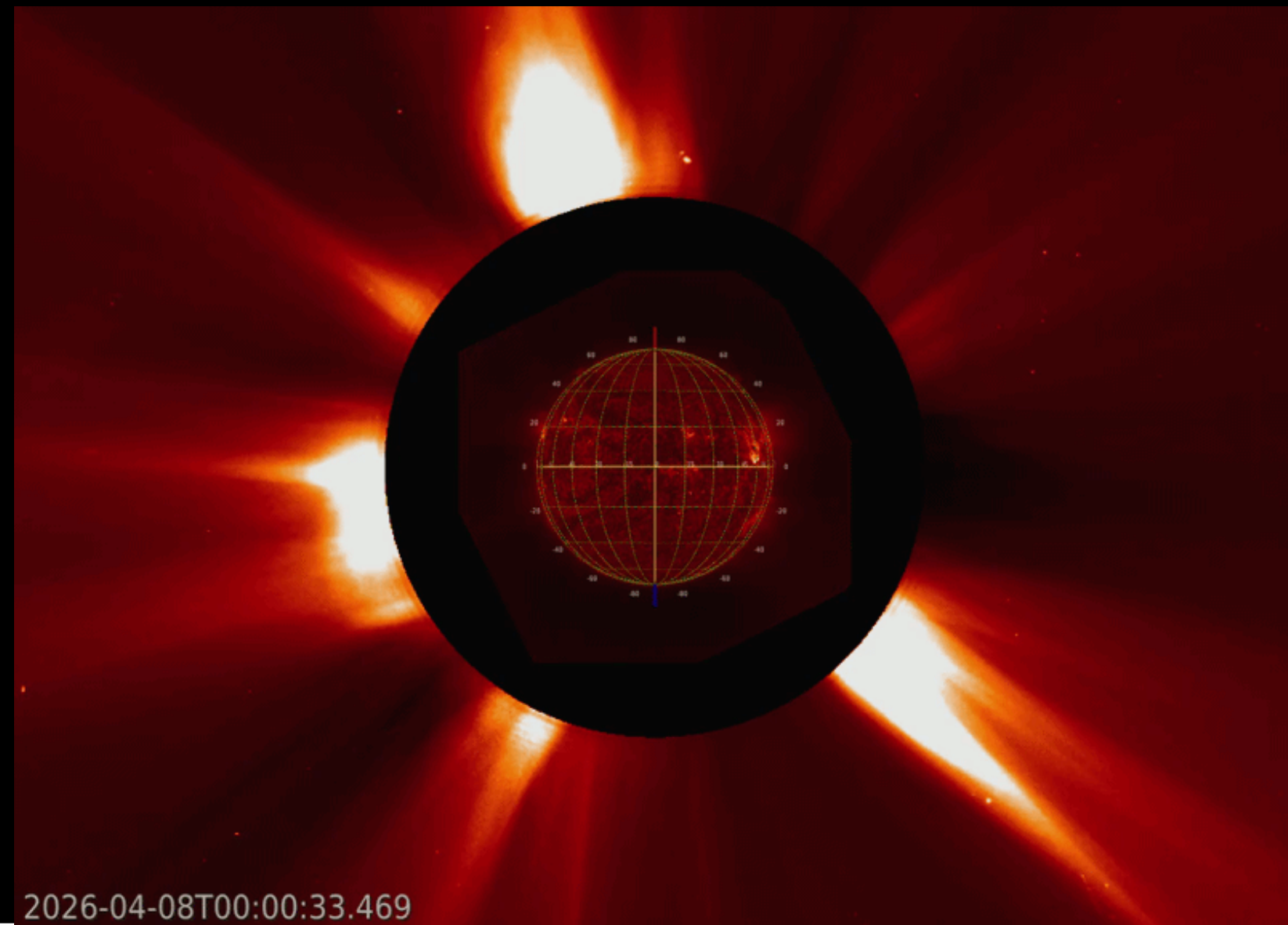
Probabilities (%) and occurrences (#) of C/M/X-flares daily, from noon to noon:

Issue date	2026-04-05	2026-04-06	2026-04-07	2026-04-08	2026-04-09	2026-04-10	2026-04-11	2026-04-12
Probability (%)	99 47 04	95 30 05	85 25 05	90 35 05	90 20 05	70 05 01	60 05 01	80 10 01
Observed (#)	03 00 00	01 00 00	08 00 00	07 01 00	00 00 00	01 00 00	07 00 00	00 00 00

Solar X-Ray and UV flux



Coronal Mass Ejections



Solar Wind and

Geomagnetic Activity



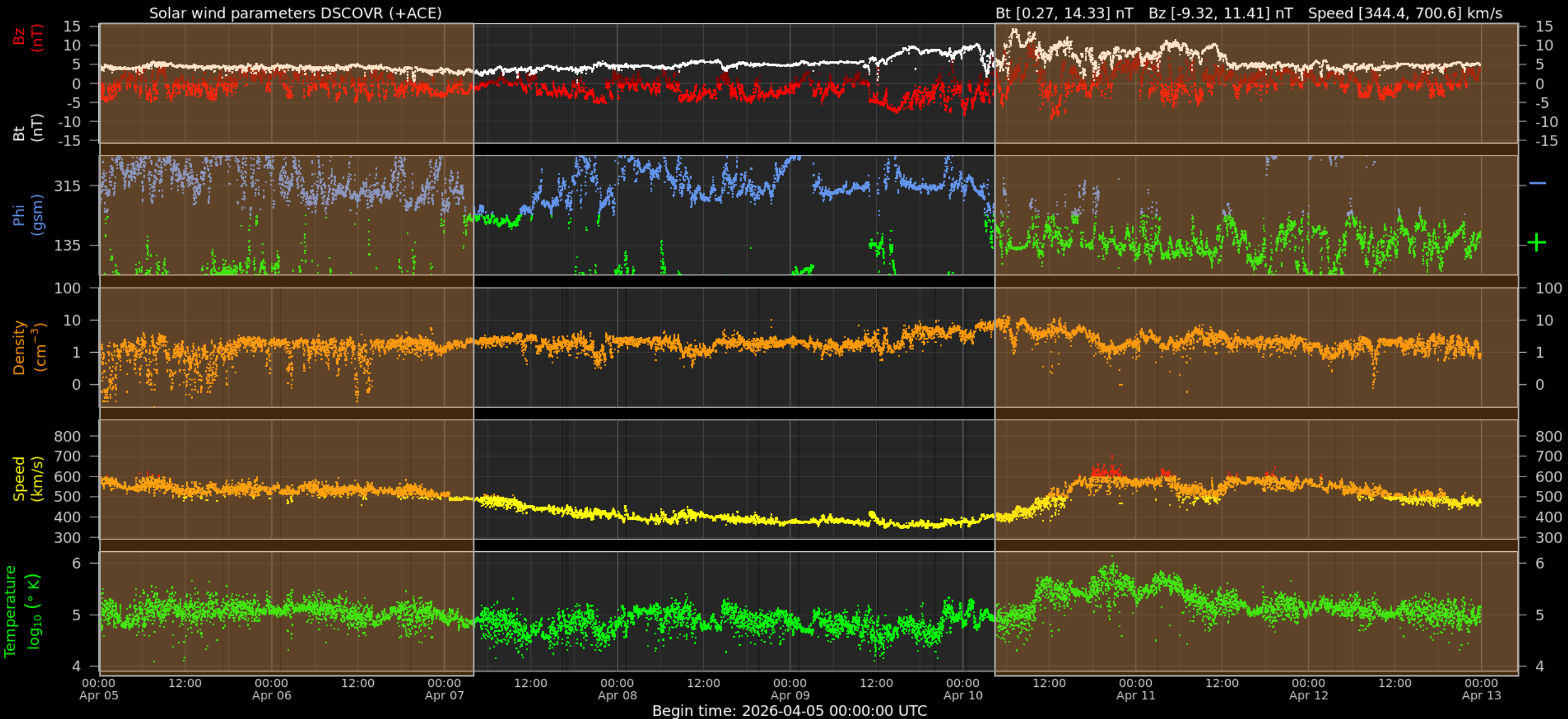
Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Solar wind parameters

HSS

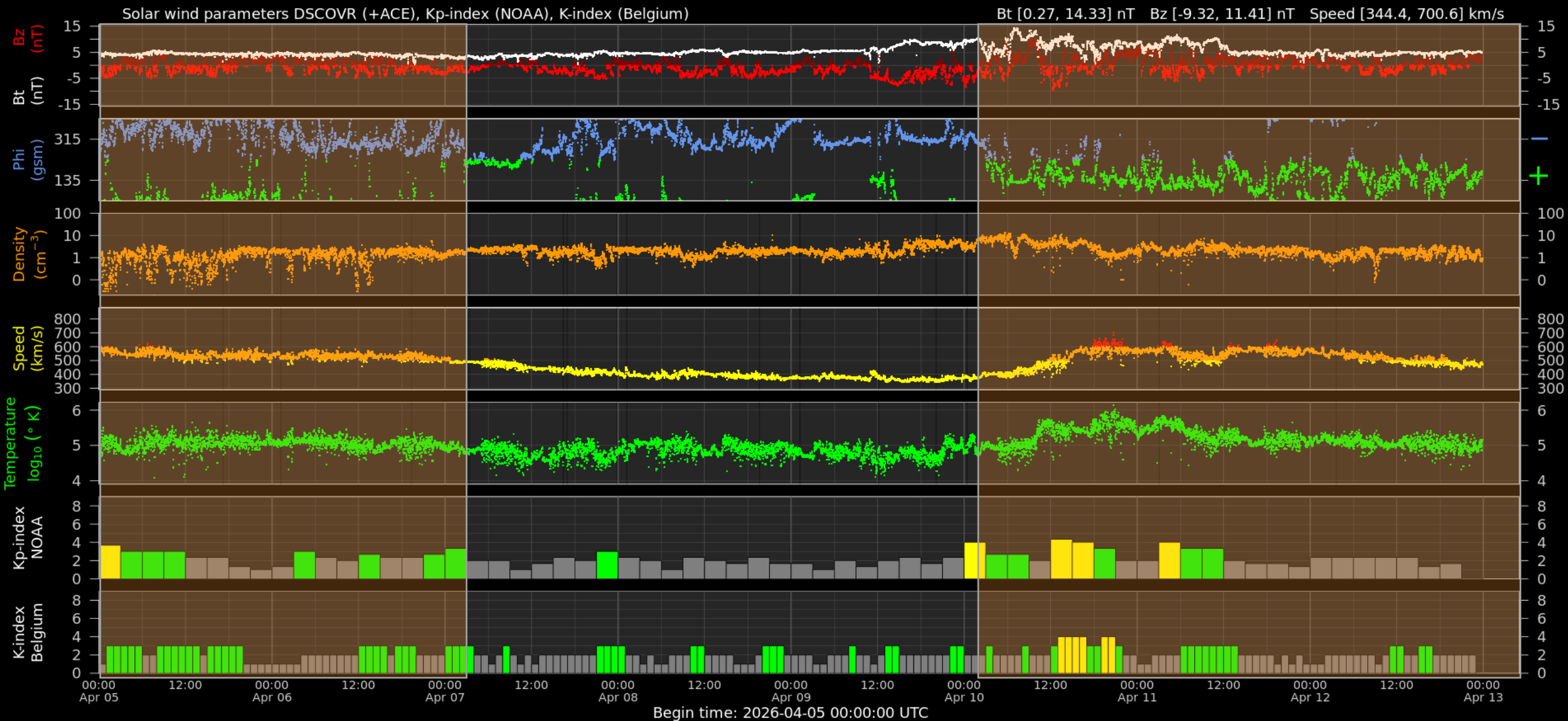
HSS



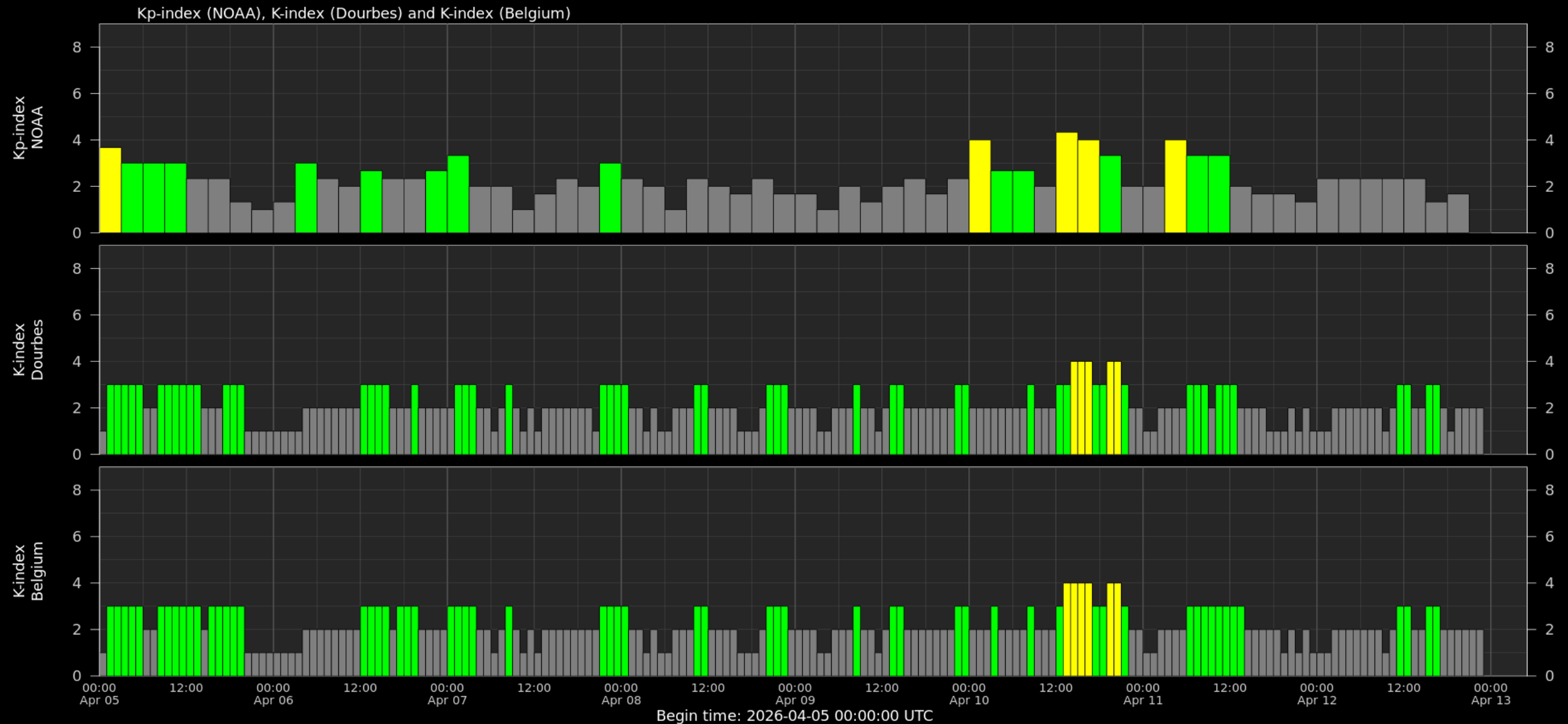
Solar wind parameters & K-indices

HSS

HSS



Geomagnetic activity (K-indexes)



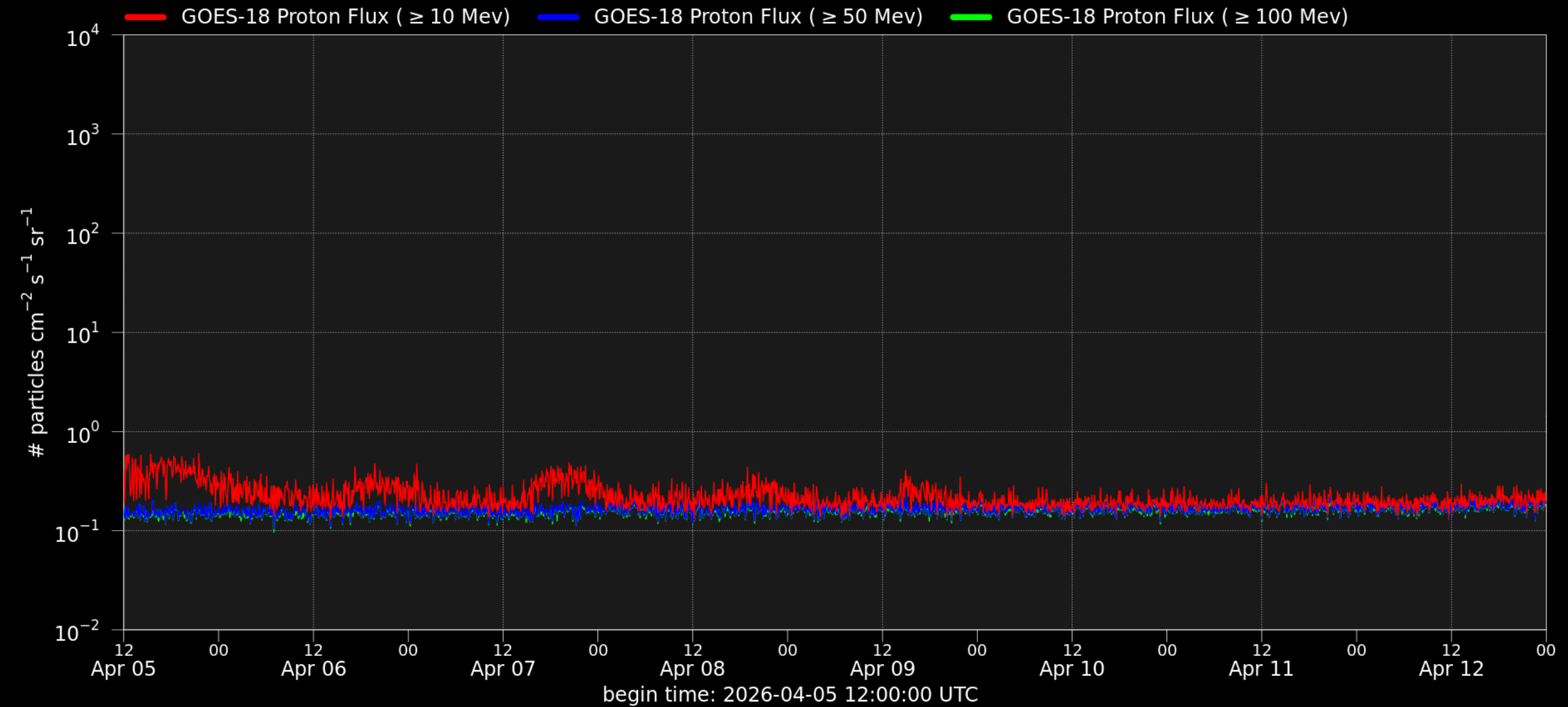
Energetic Particles



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

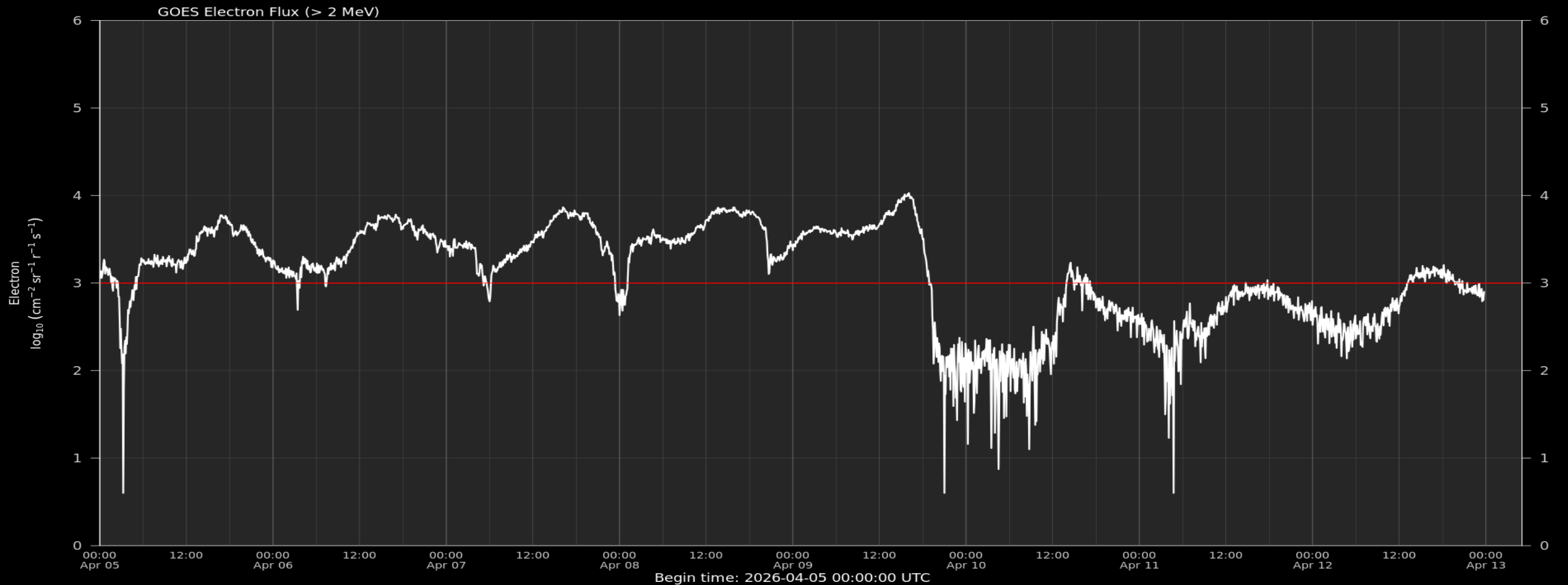
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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



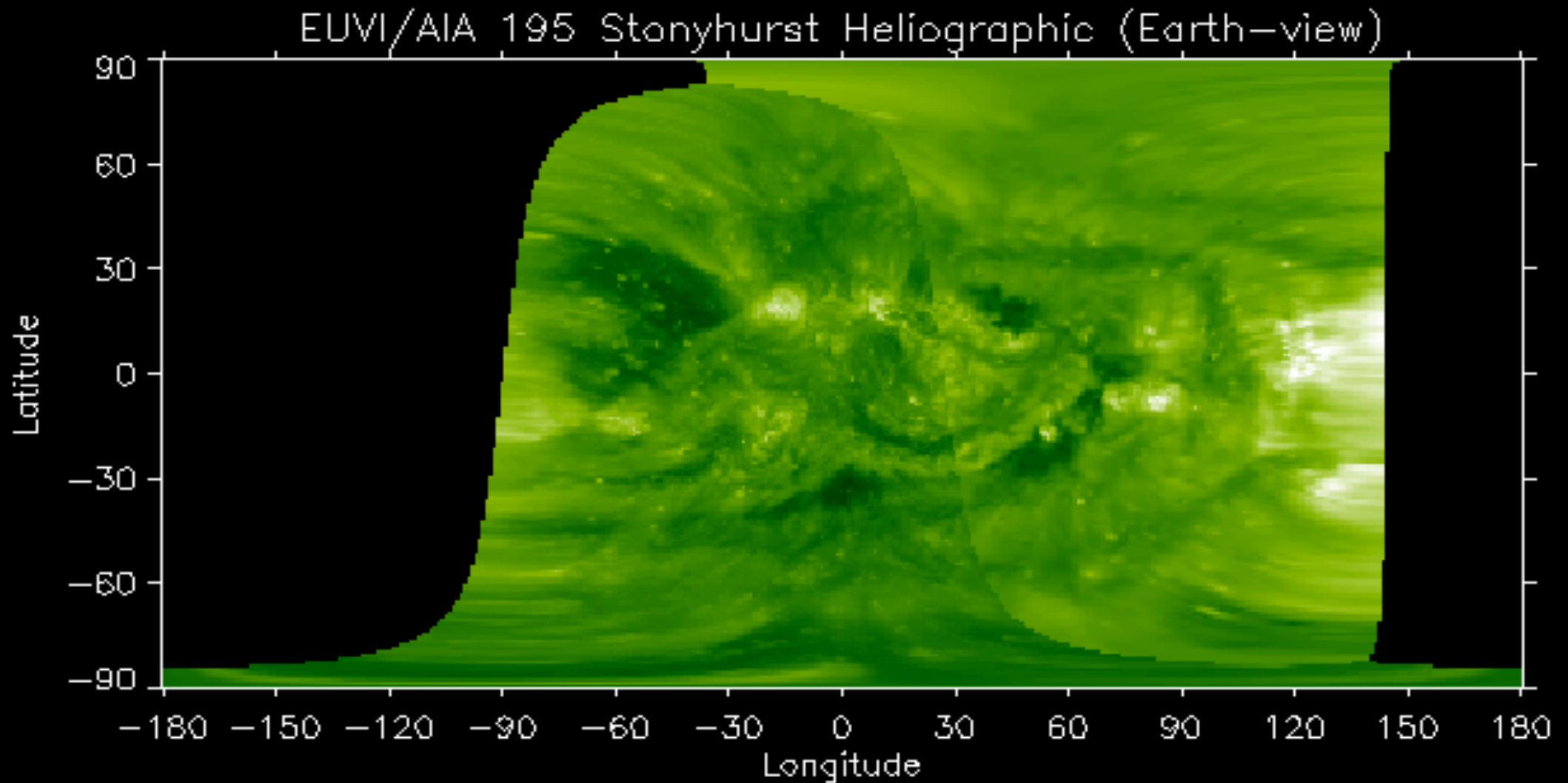
Outlook



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

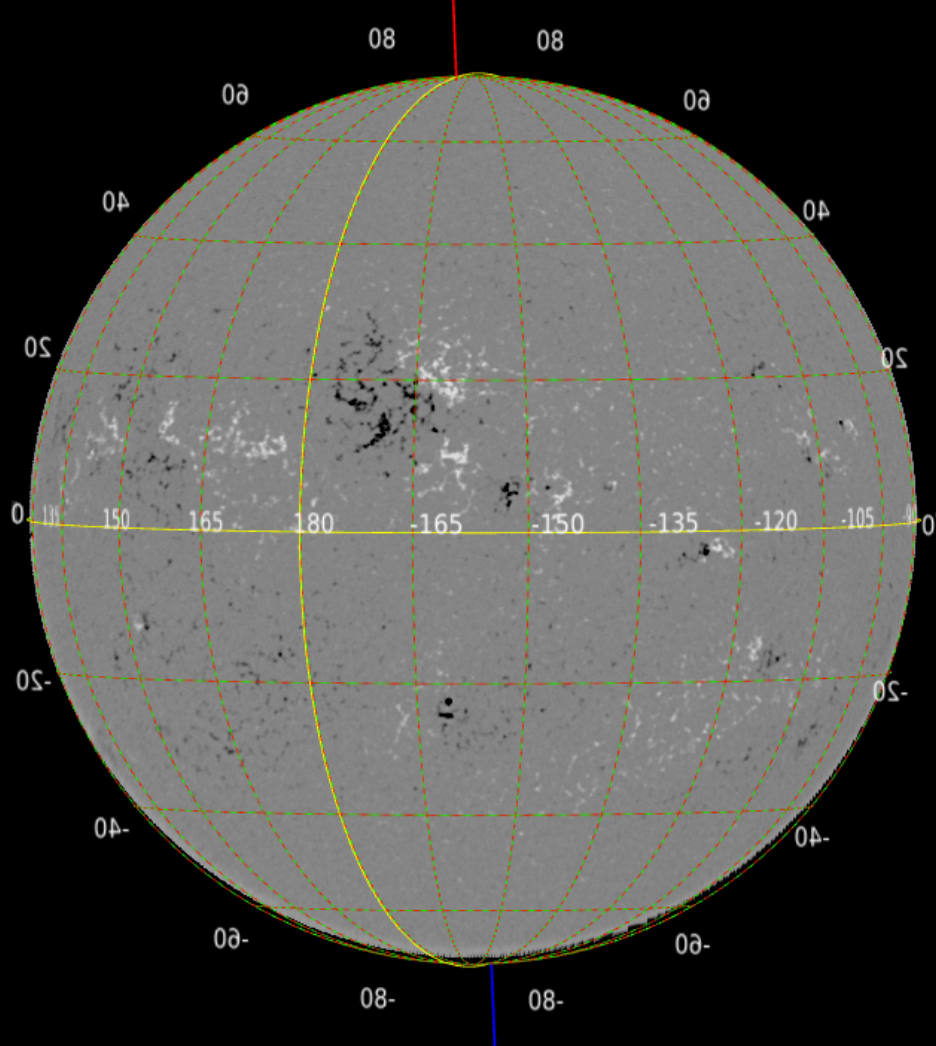
Outlook: Solar activity



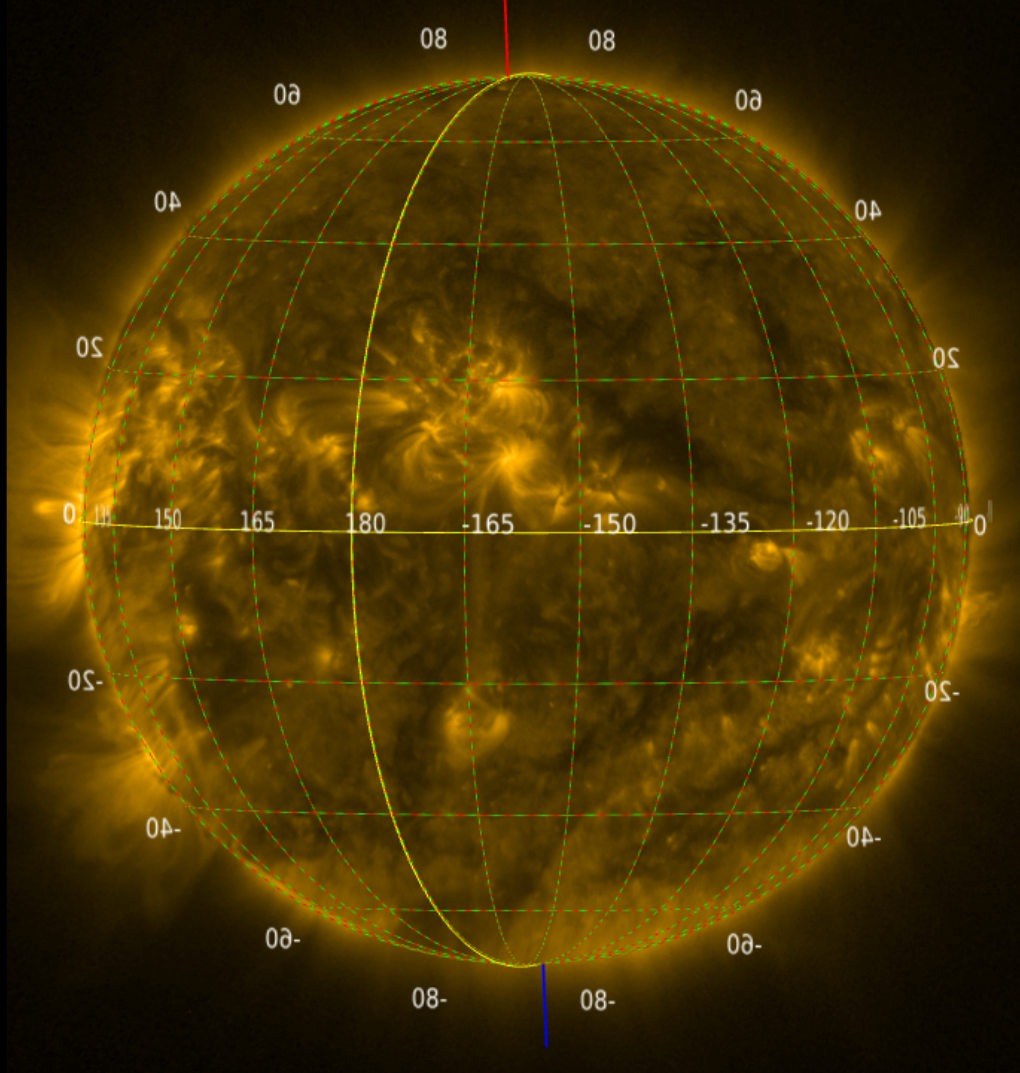
Observation date: 2026/04/12 20:25:00

Outlook: Solar activity

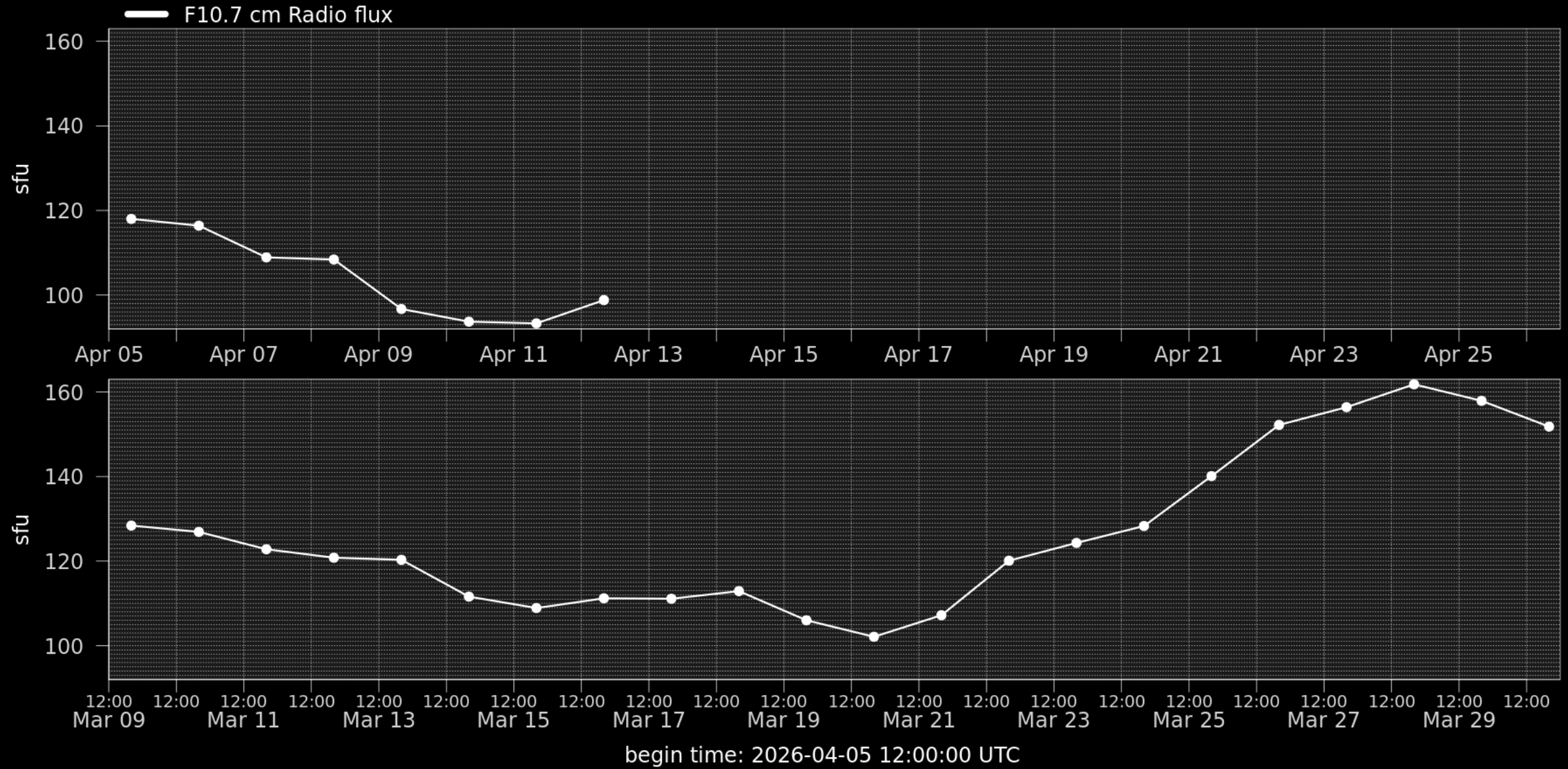
Solo/PHI FDT Magnetogram



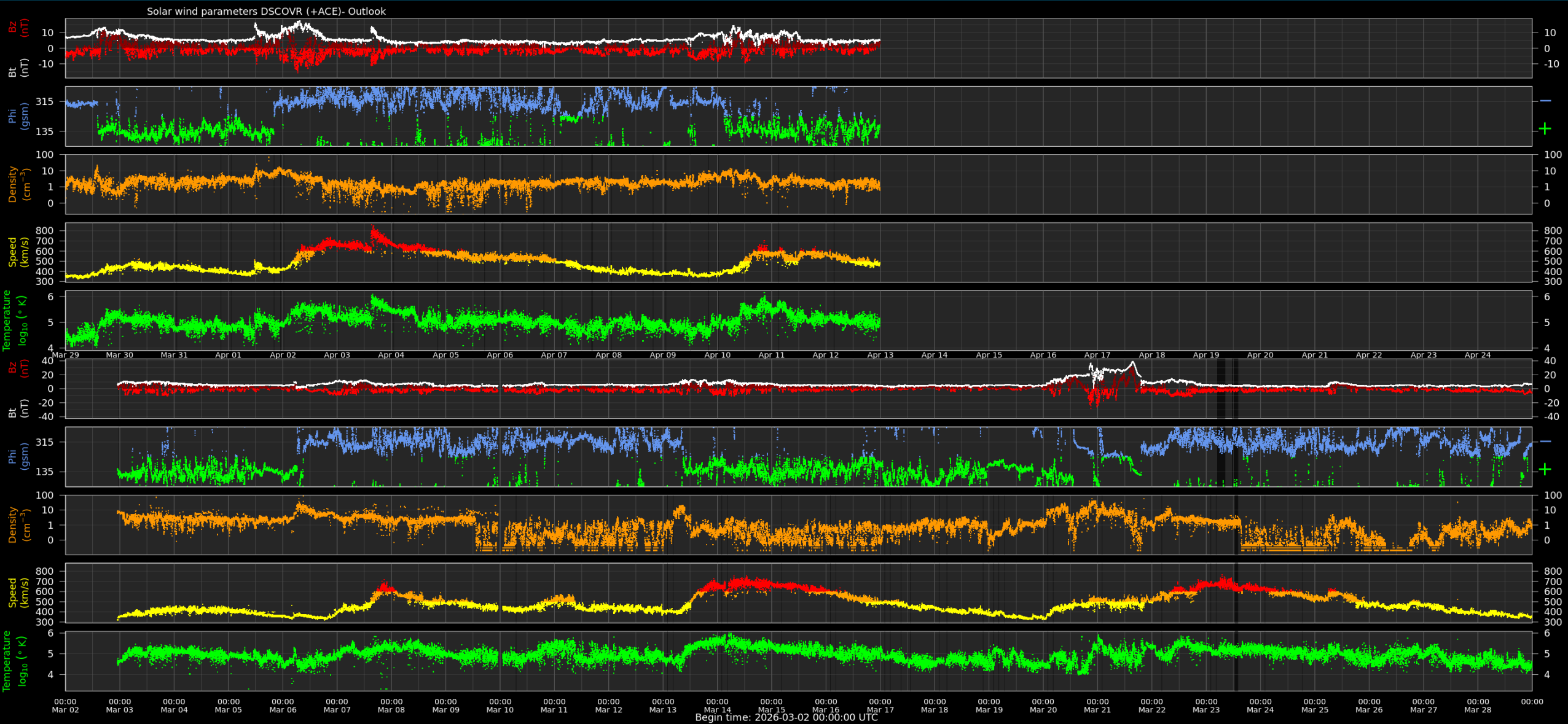
Solo/EUI FSI 17.4 nm 2026-04-12



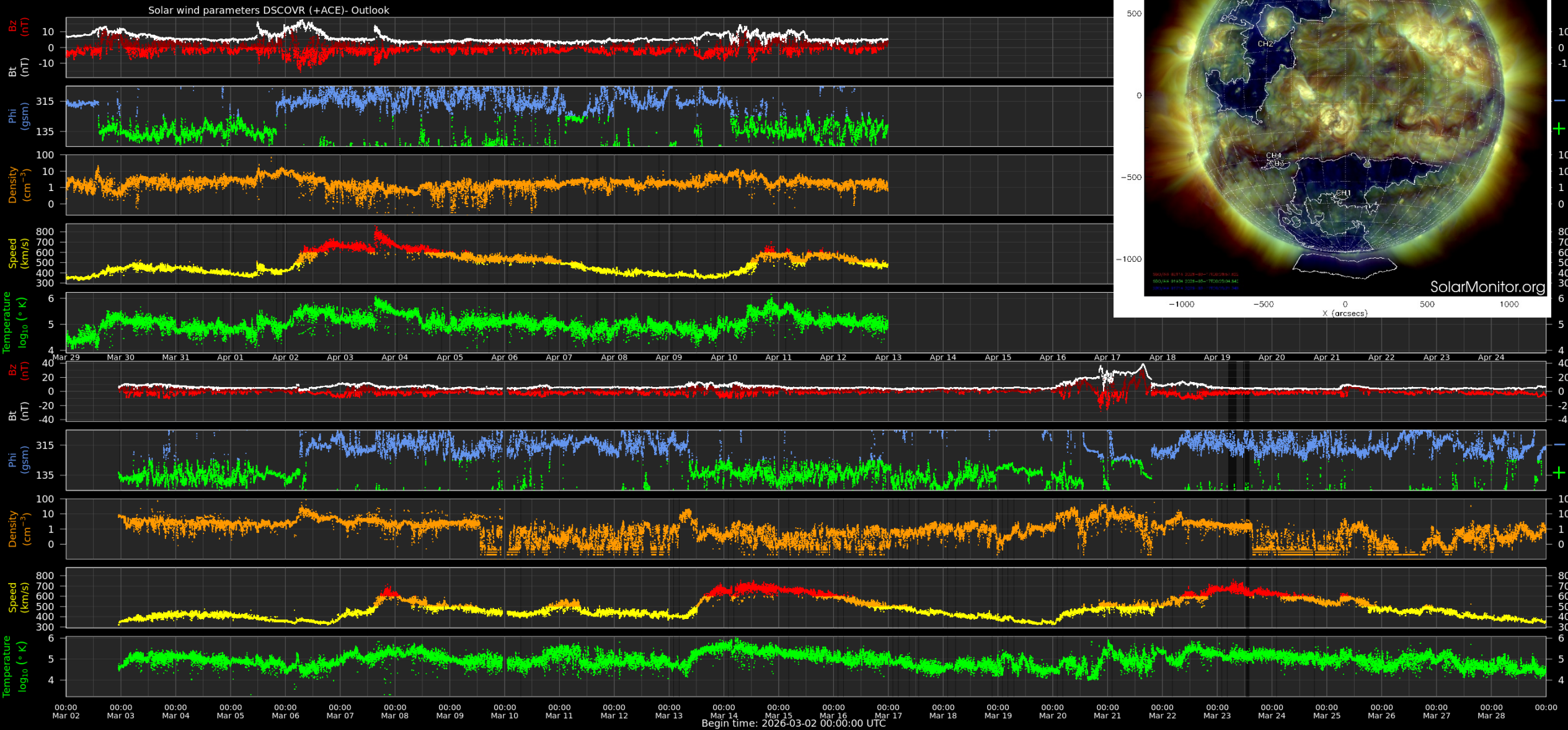
Outlook: Solar F10.7cm radio flux



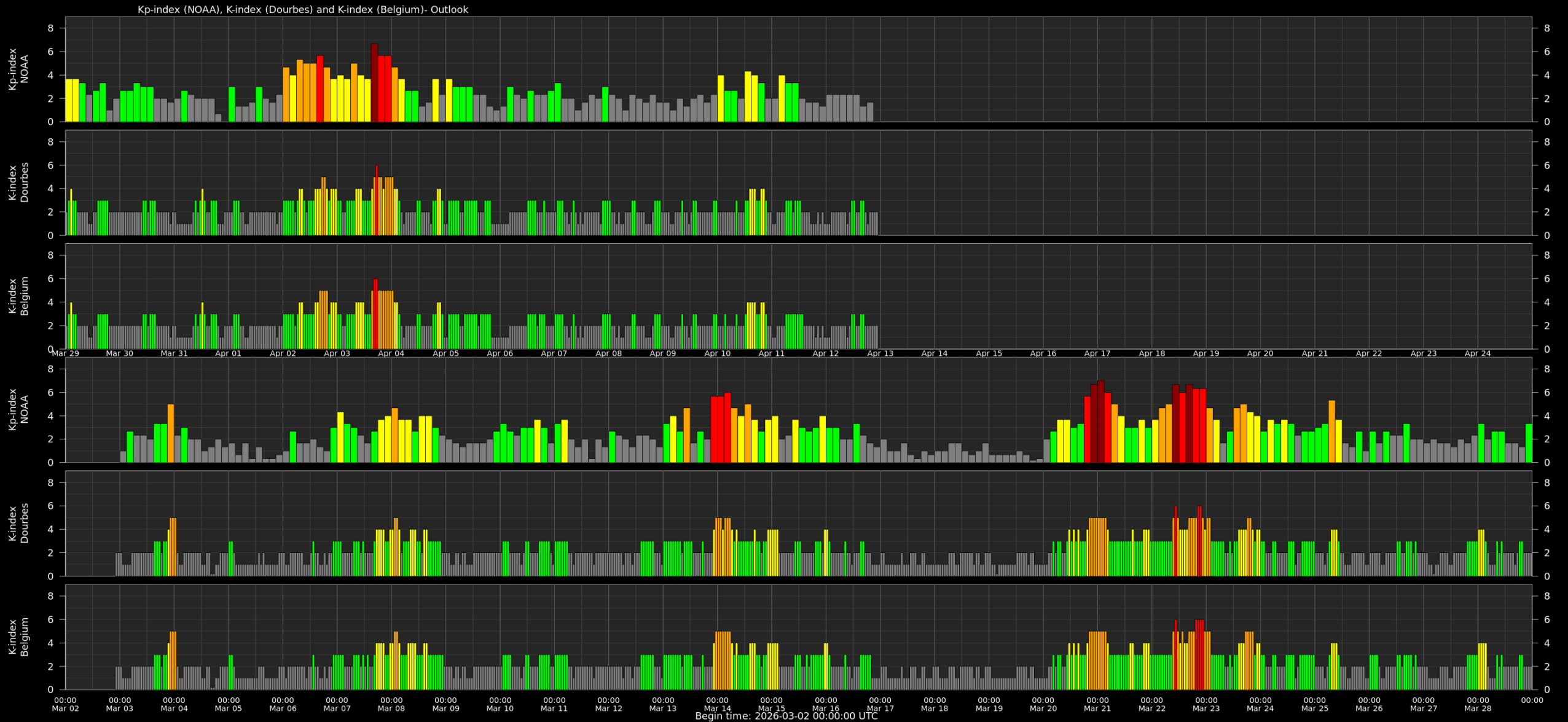
Outlook: Solar wind parameters



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

Pegasus related events

MOC: HF COM/PSD advisories until Apr 07, GNSS

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