SIDC Space Weather Briefing

02 November 2026-08 November 2026

Daria Shukhobodskaia

D. Millas, A. Micera, P. Valliappanthe, T. Katsiyannis & SIDC forecaster team

Royal Observatory *of* Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2026-11-02 00:00 to 2026-11-08 23:59

Active regions	8 Active Regions: SIDC Sunspot Group 992 (NOAA AR 4566)
Flares	# C-class flare: 85 # M-class flare: 7 # X-class flare: 0
Coronal Holes	negative polarity SIDC Coronal Hole 149
CMEs	CME on Nov 01 at 19:00

Proton flux	below 10 pfu threshold
Electron flux	exceeded 1000 pfu threshold until Nov 6 and from Nov 8

Solar wind and geomagnetic conditions

ICMEs	No ICME arrivals
Solar wind conditions	|B|: 0.62 - 15.02 nT// Bz: -10.9 nT to 11.94 nT// Speed: 304.7 - 813.5 km/s
Geomagnetic conditions	max KBel: 5.0, max Kp(NOAA): 5.33, Minor Storm conditions

All Quiet Alert: Off

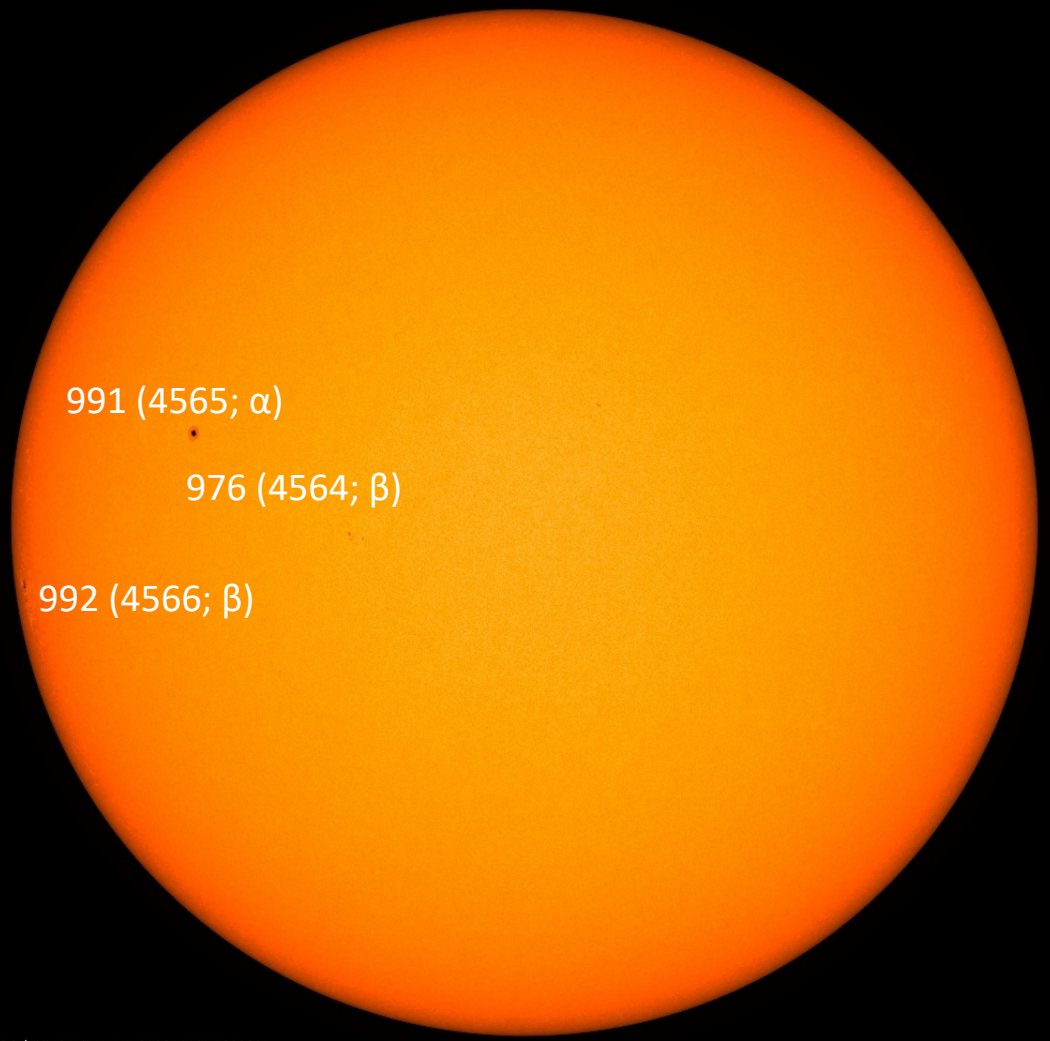
Solar Activity

Royal Observatory
of Belgium

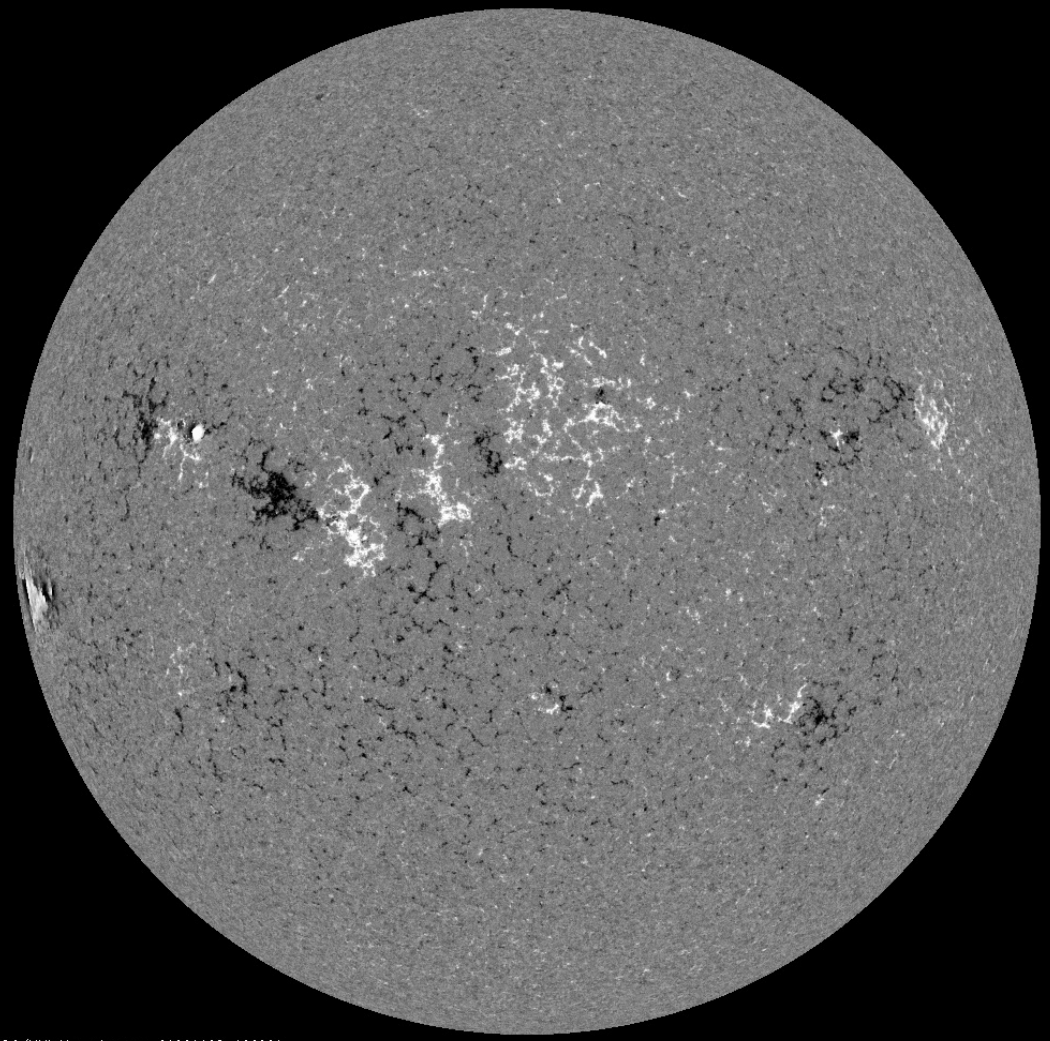
Solar Influences
Data analysis Centre
www.sidc.be

Solar active regions

SDO/HMI White Light 2026-11-02

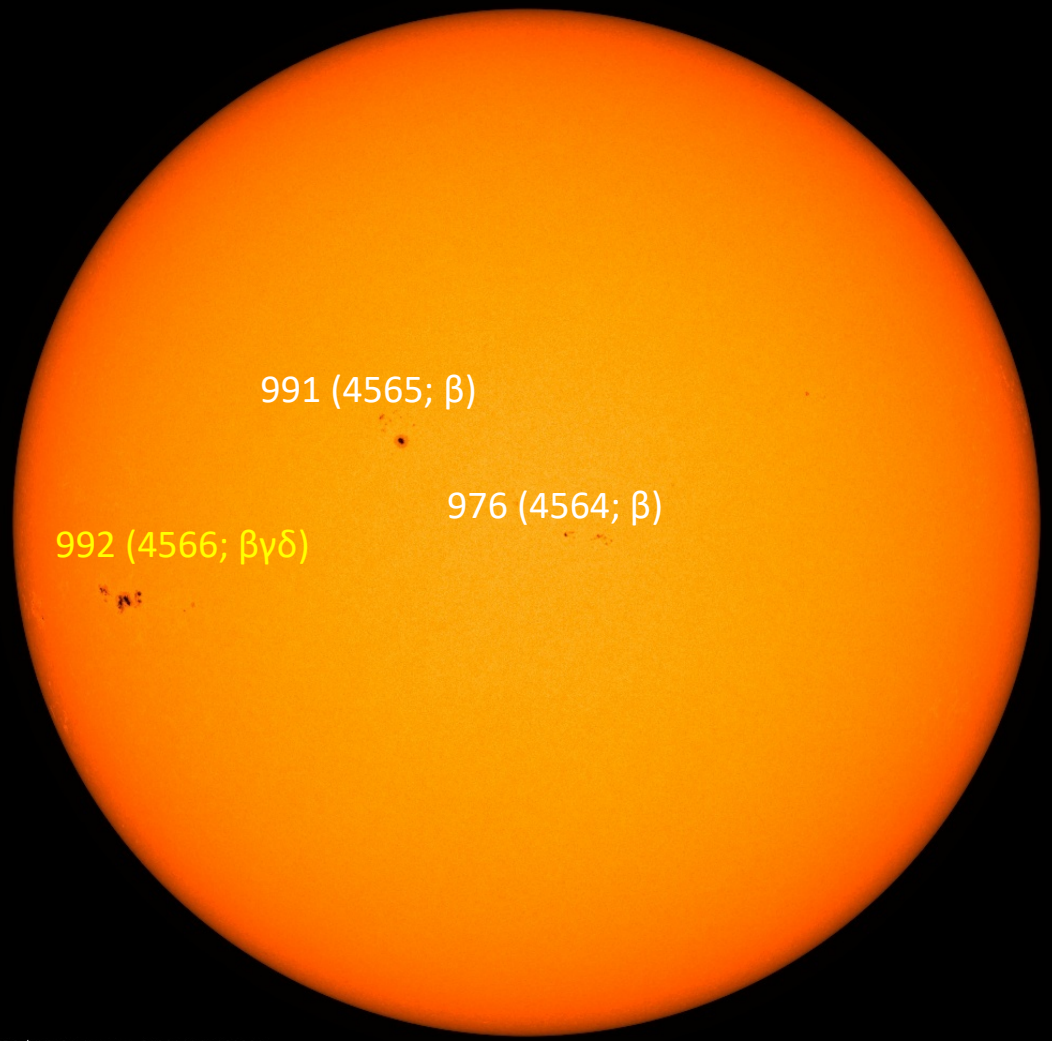


SDO/HMI Magnetogram 2026-11-02

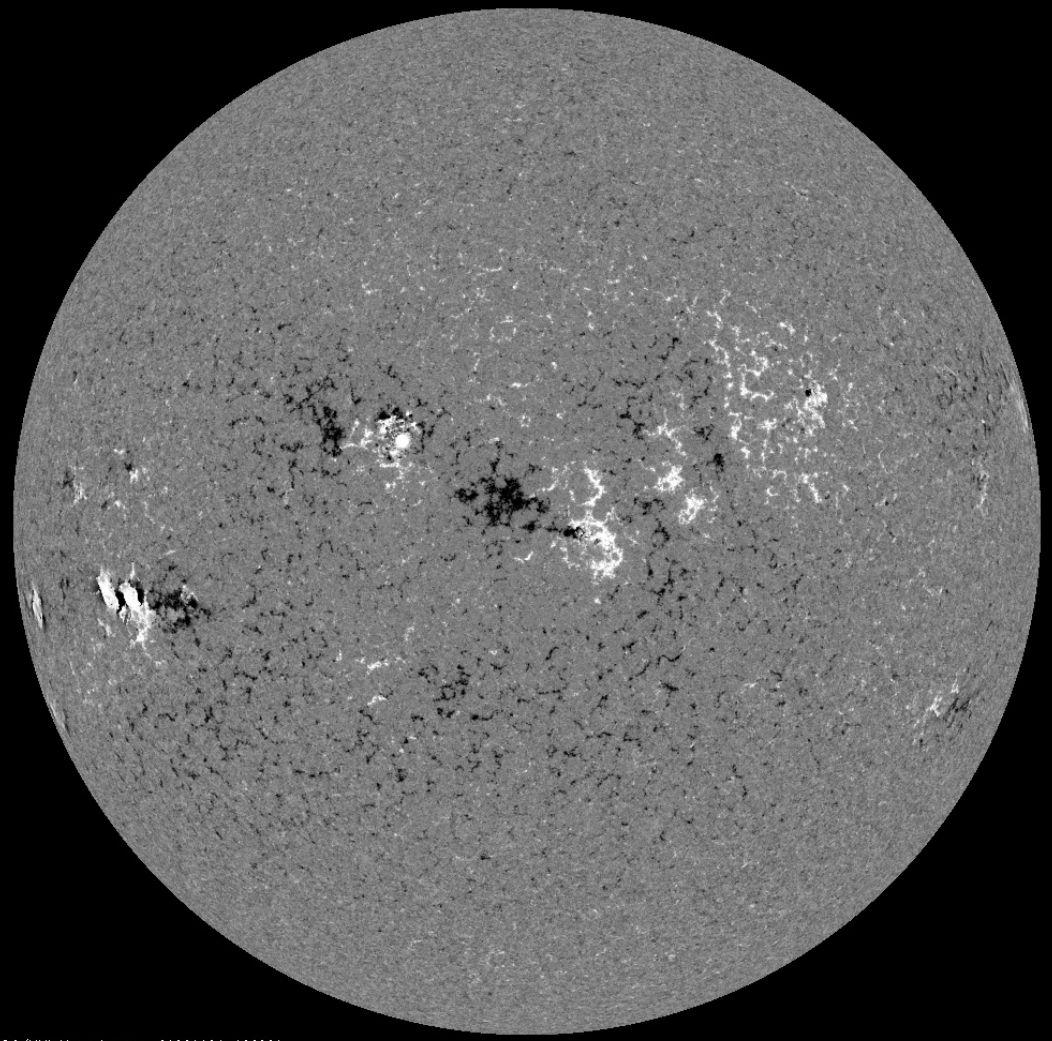


Solar active regions

SDO/HMI White Light 2026-11-04

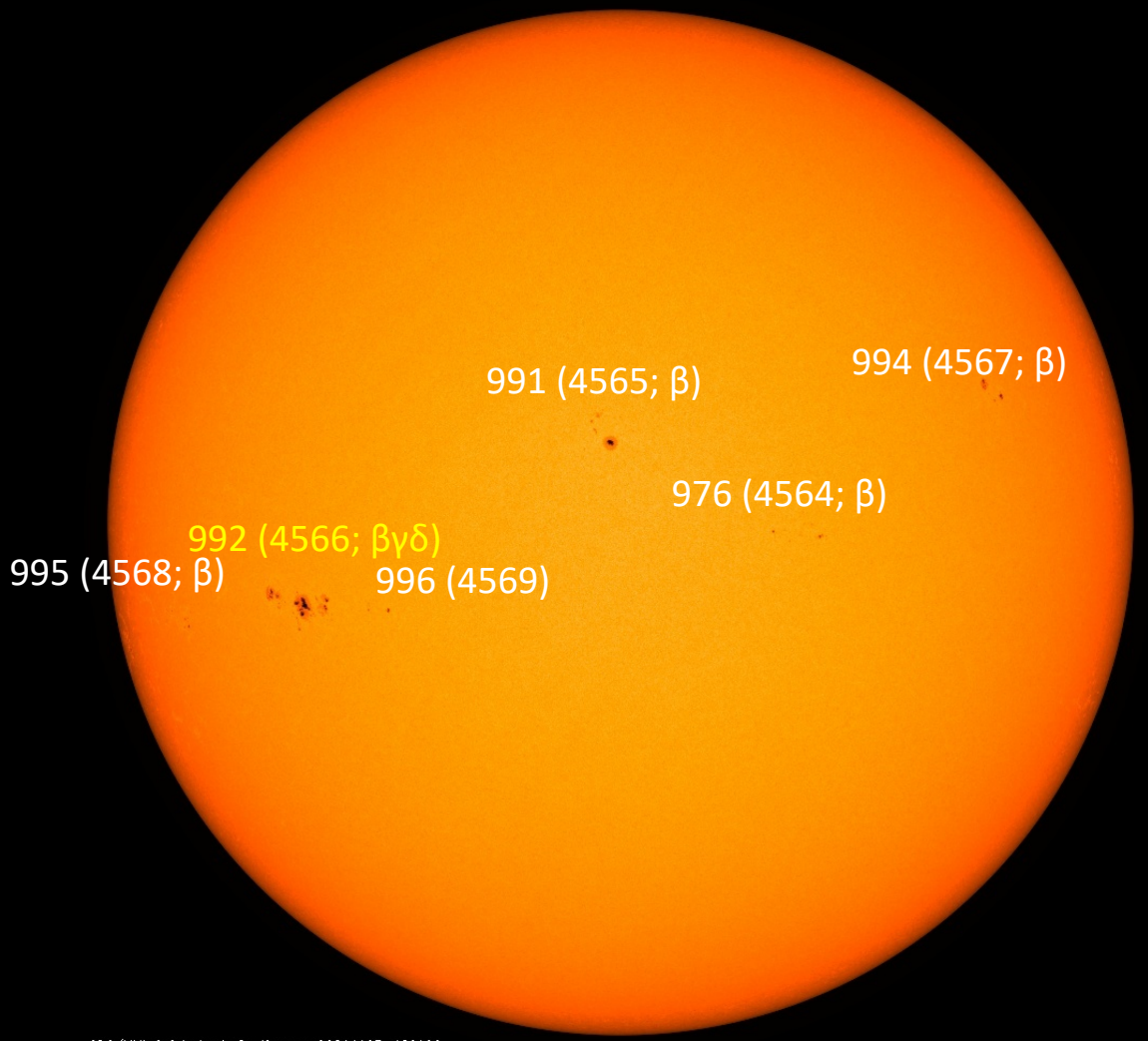


SDO/HMI Magnetogram 2026-11-04

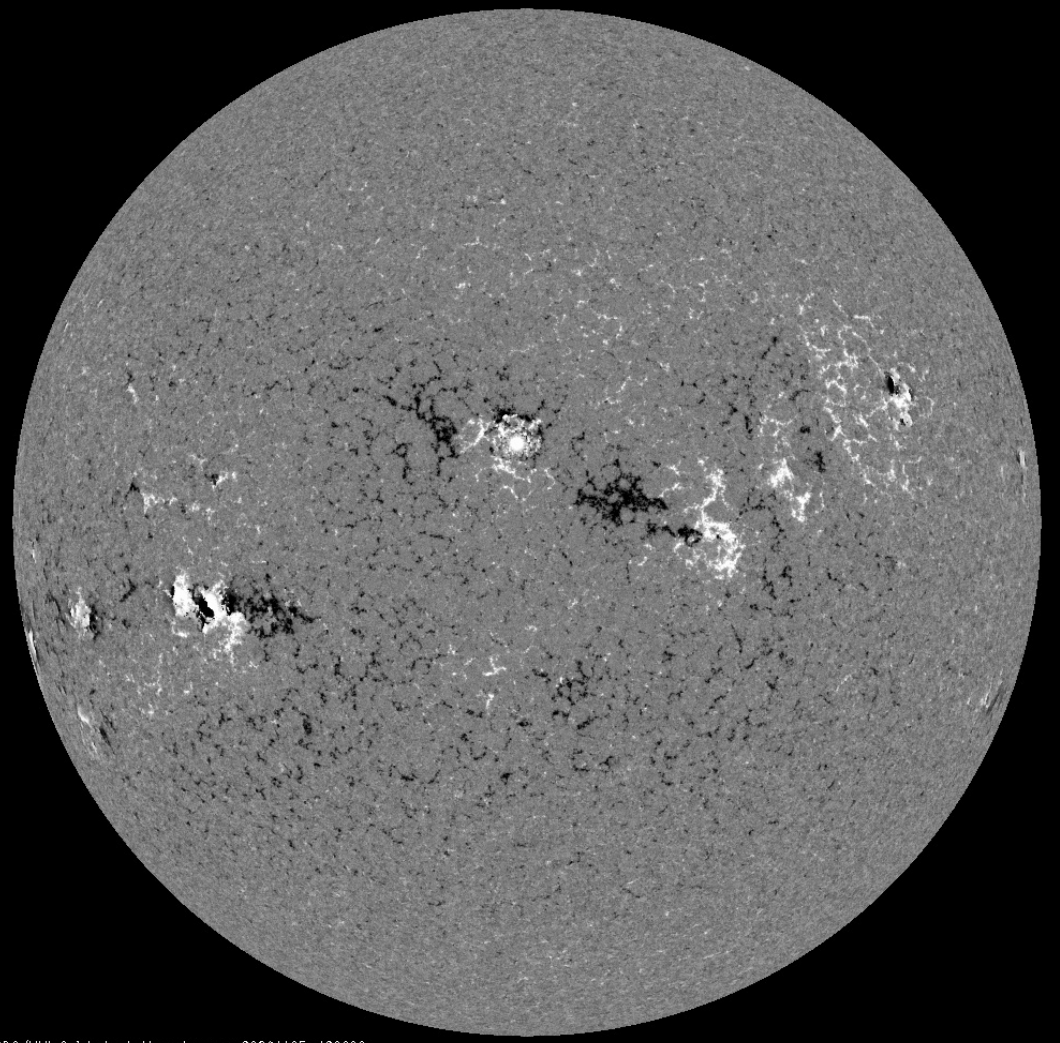


Solar active regions

SDO/HMI White Light 2026-11-05

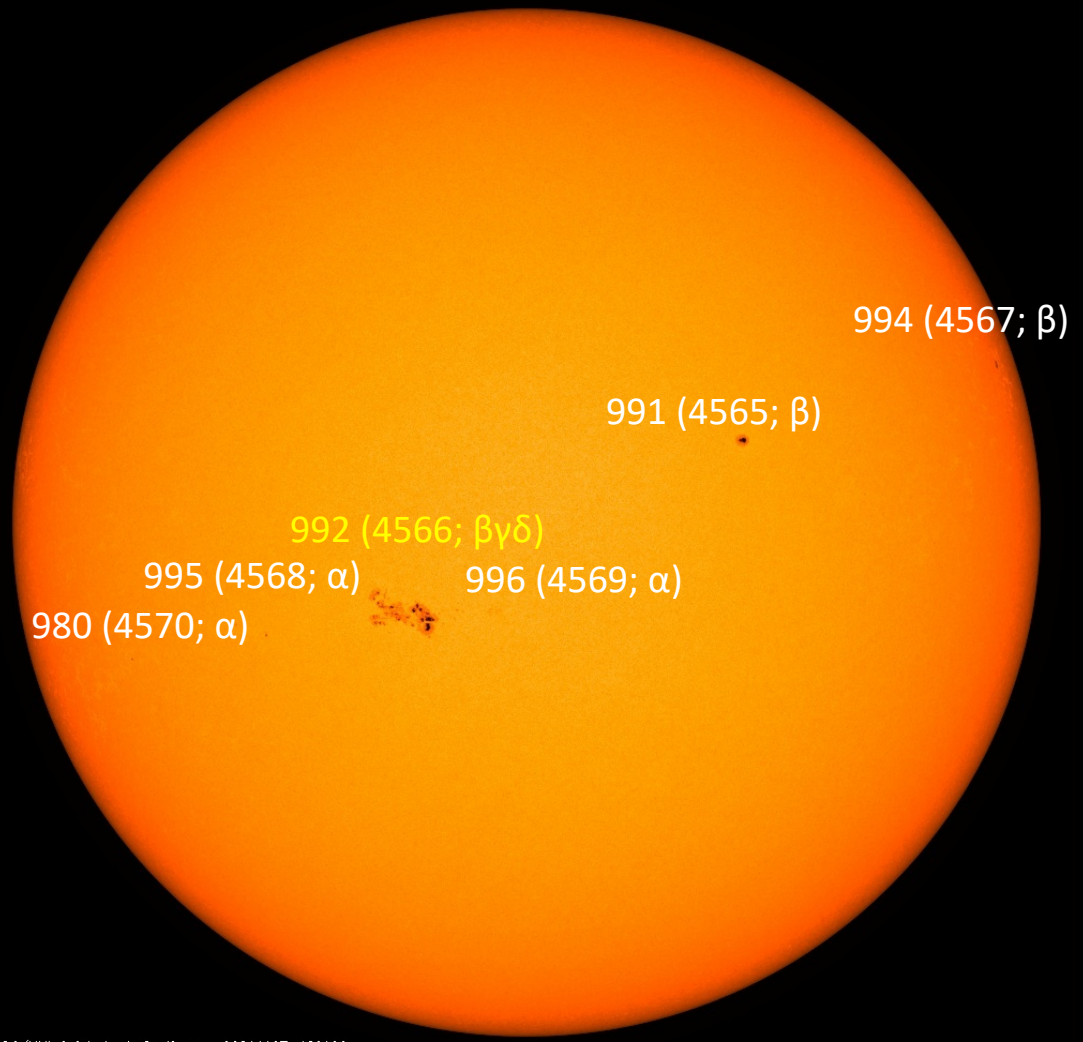


SDO/HMI Magnetogram 2026-11-05

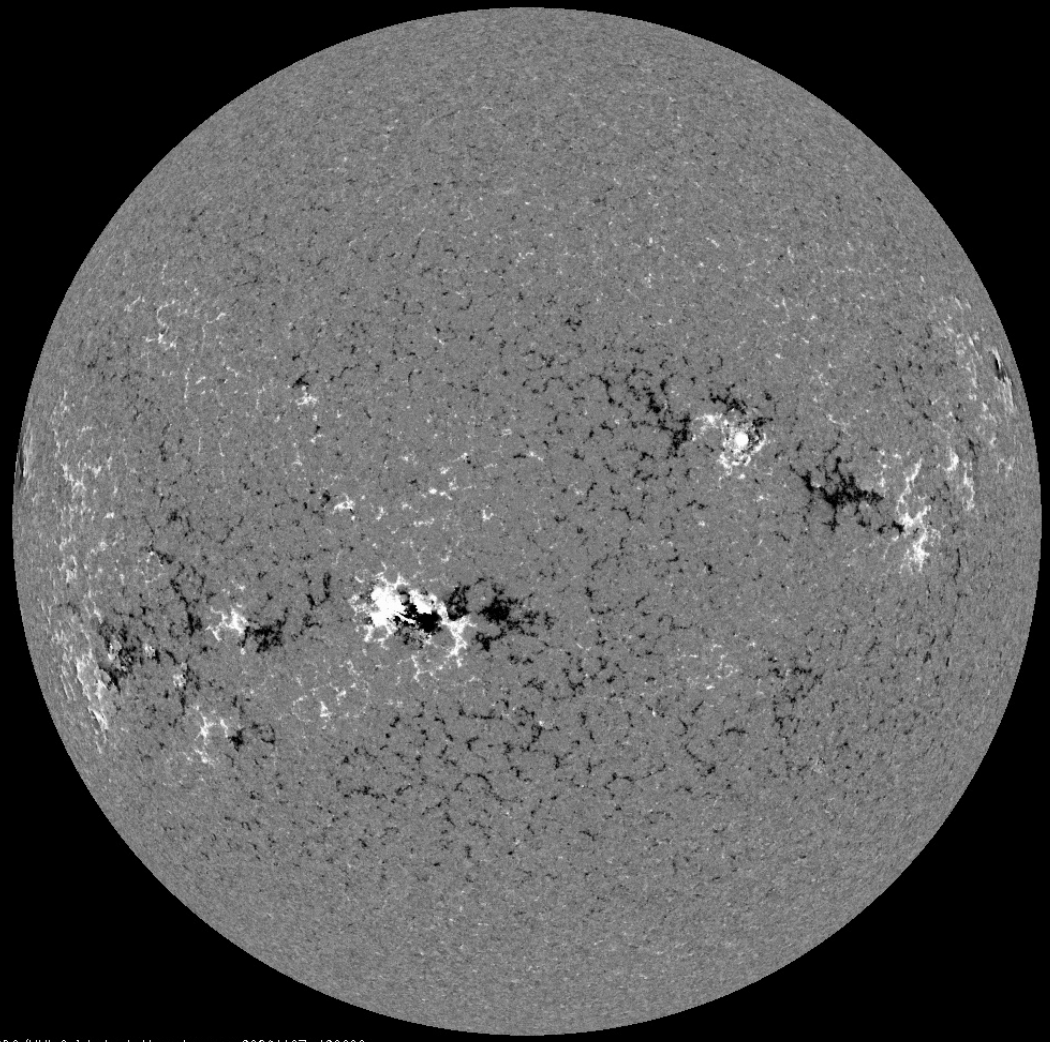


Solar active regions

SDO/HMI White Light 2026-11-07

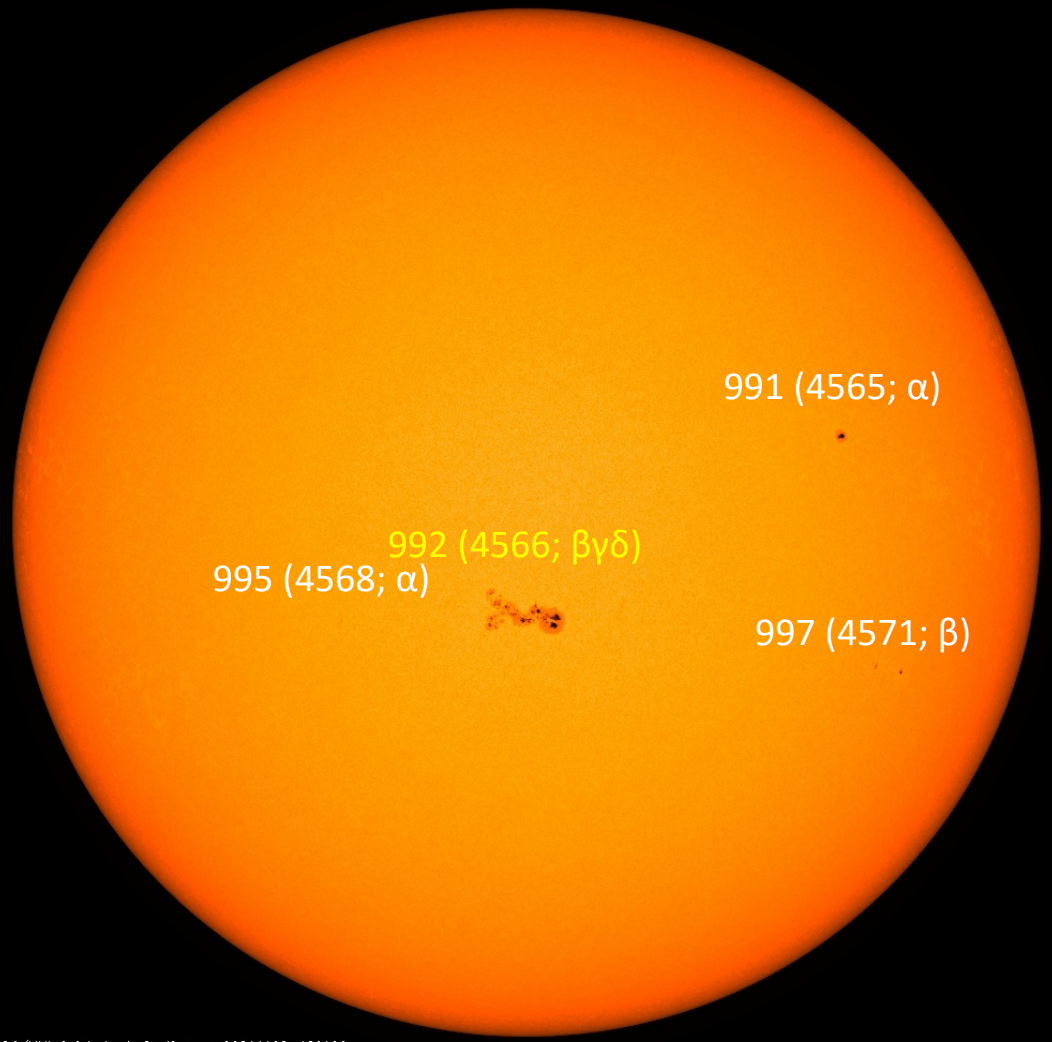


SDO/HMI Magnetogram 2026-11-07

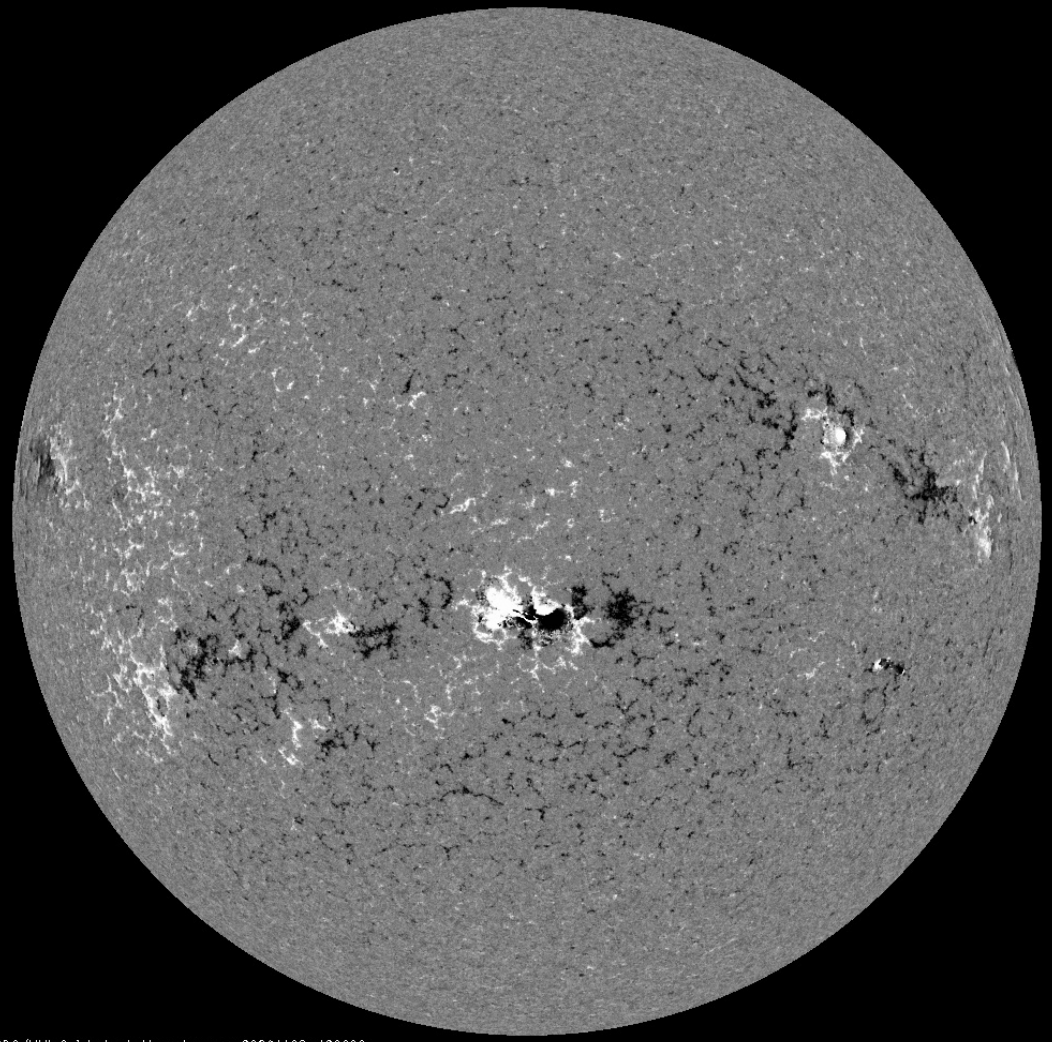


Solar active regions

SDO/HMI White Light 2026-11-08



SDO/HMI Magnetogram 2026-11-08

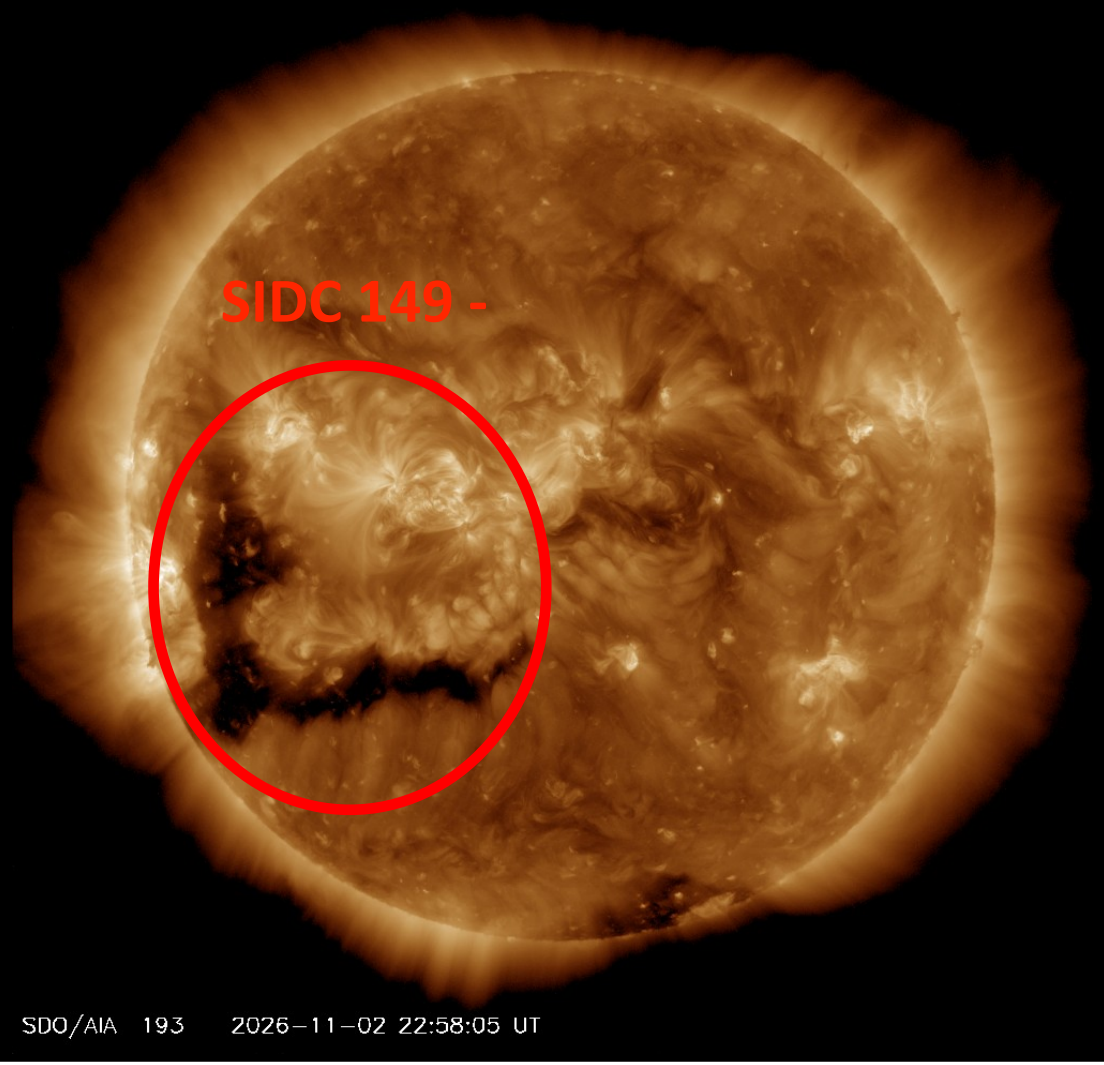


Solar active regions

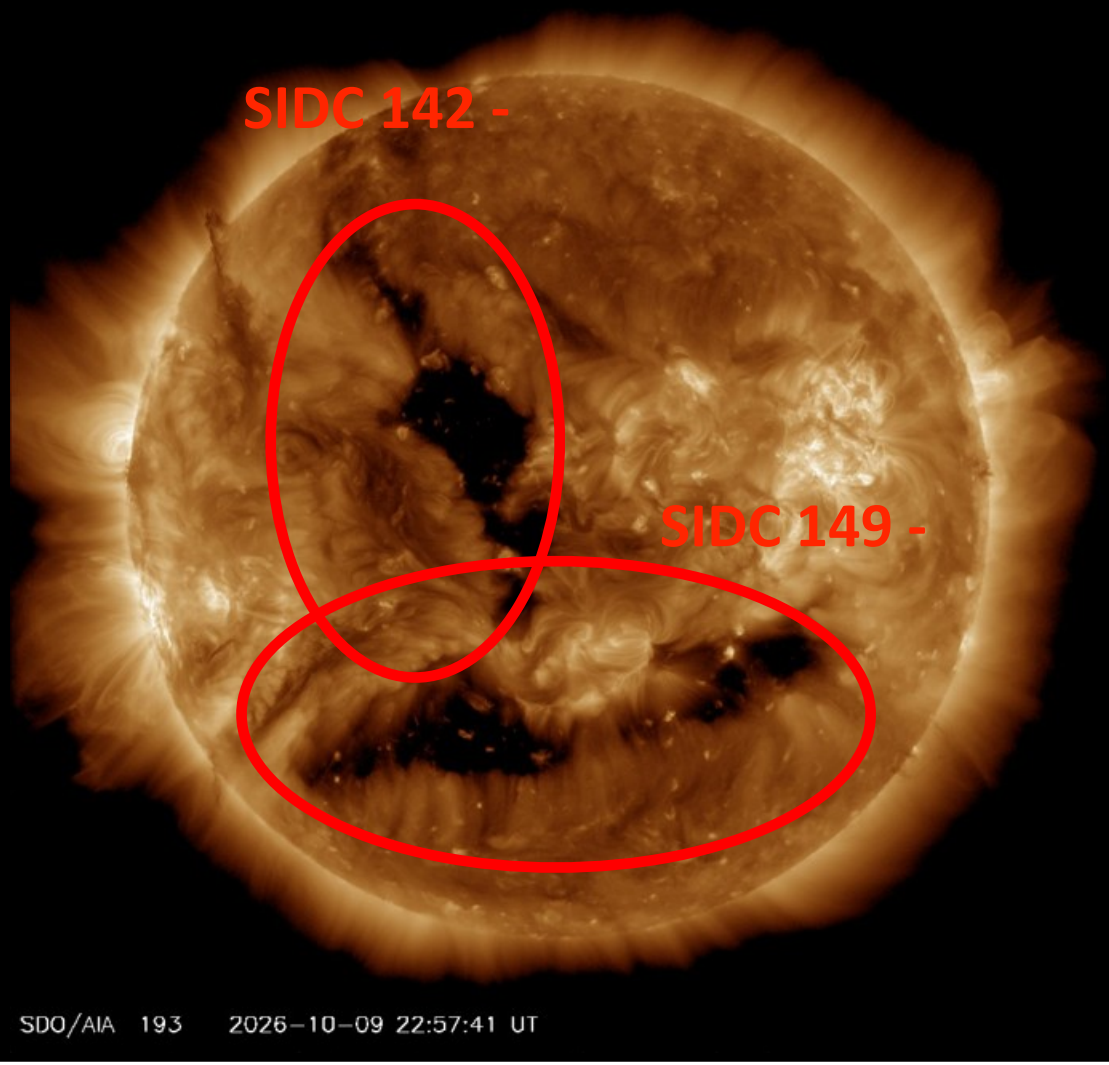


Coronal holes

SDO/AIA 19.3 nm 2026-11-02

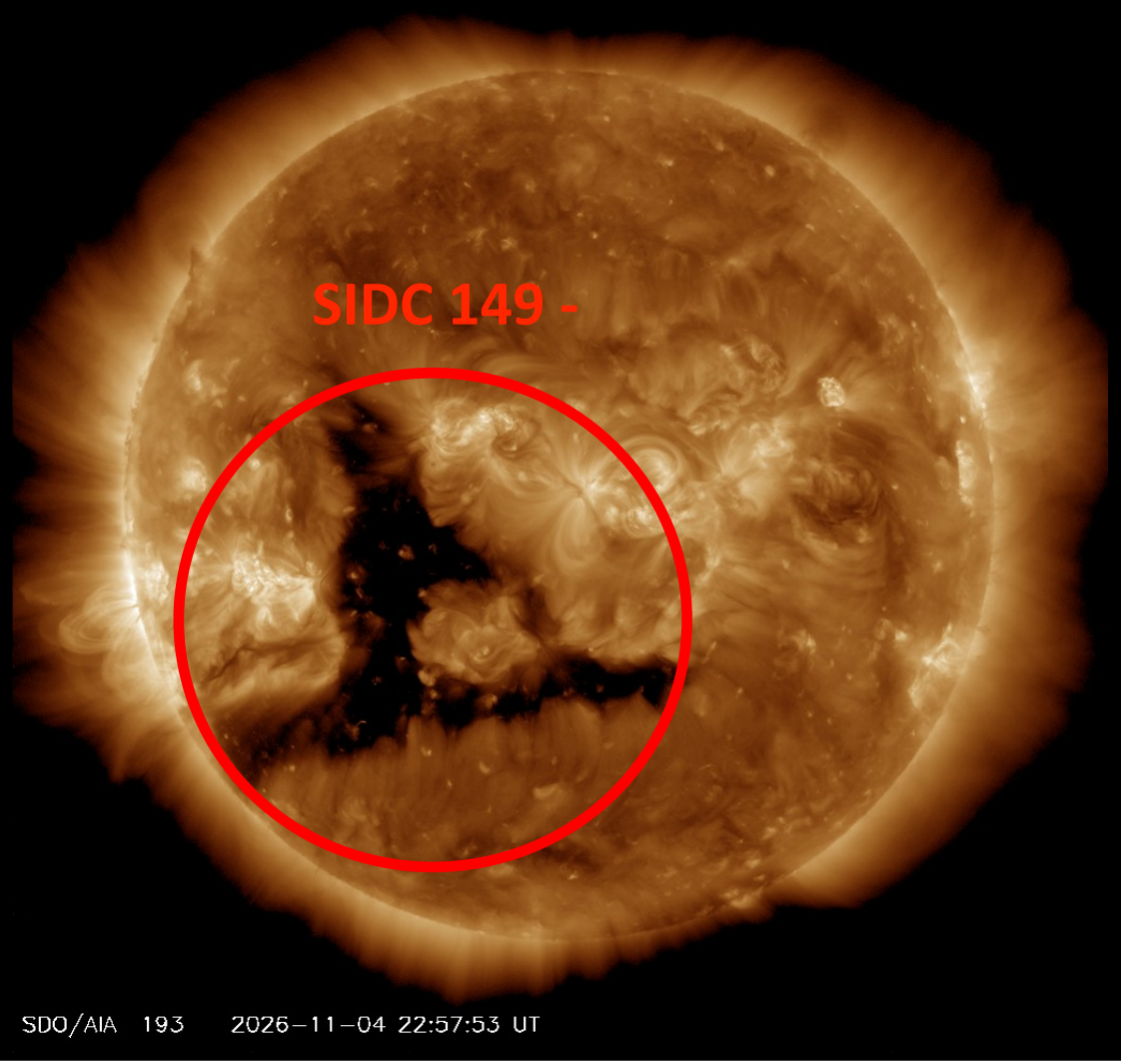


SDO/AIA 19.3 nm 2026-10-09

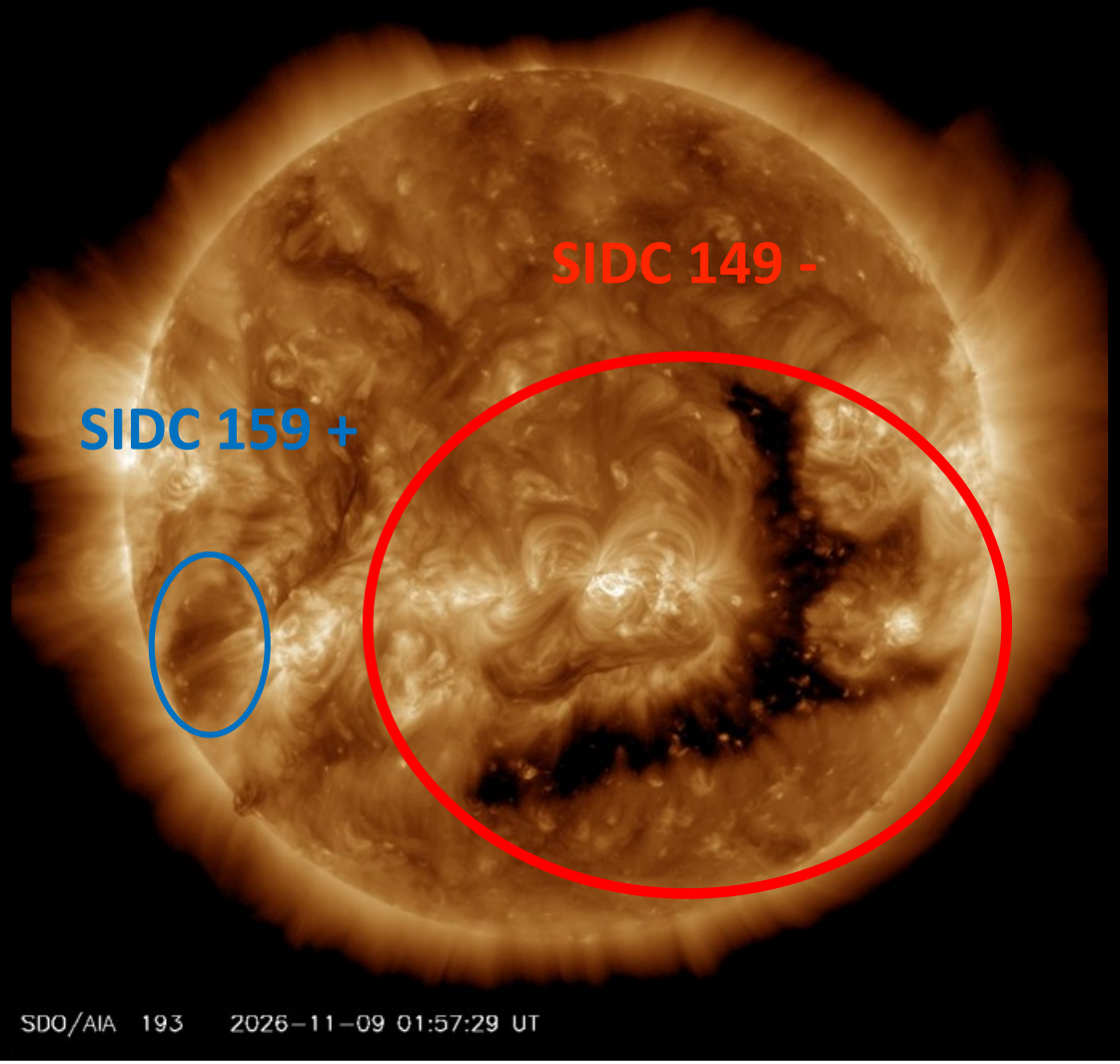


Coronal holes

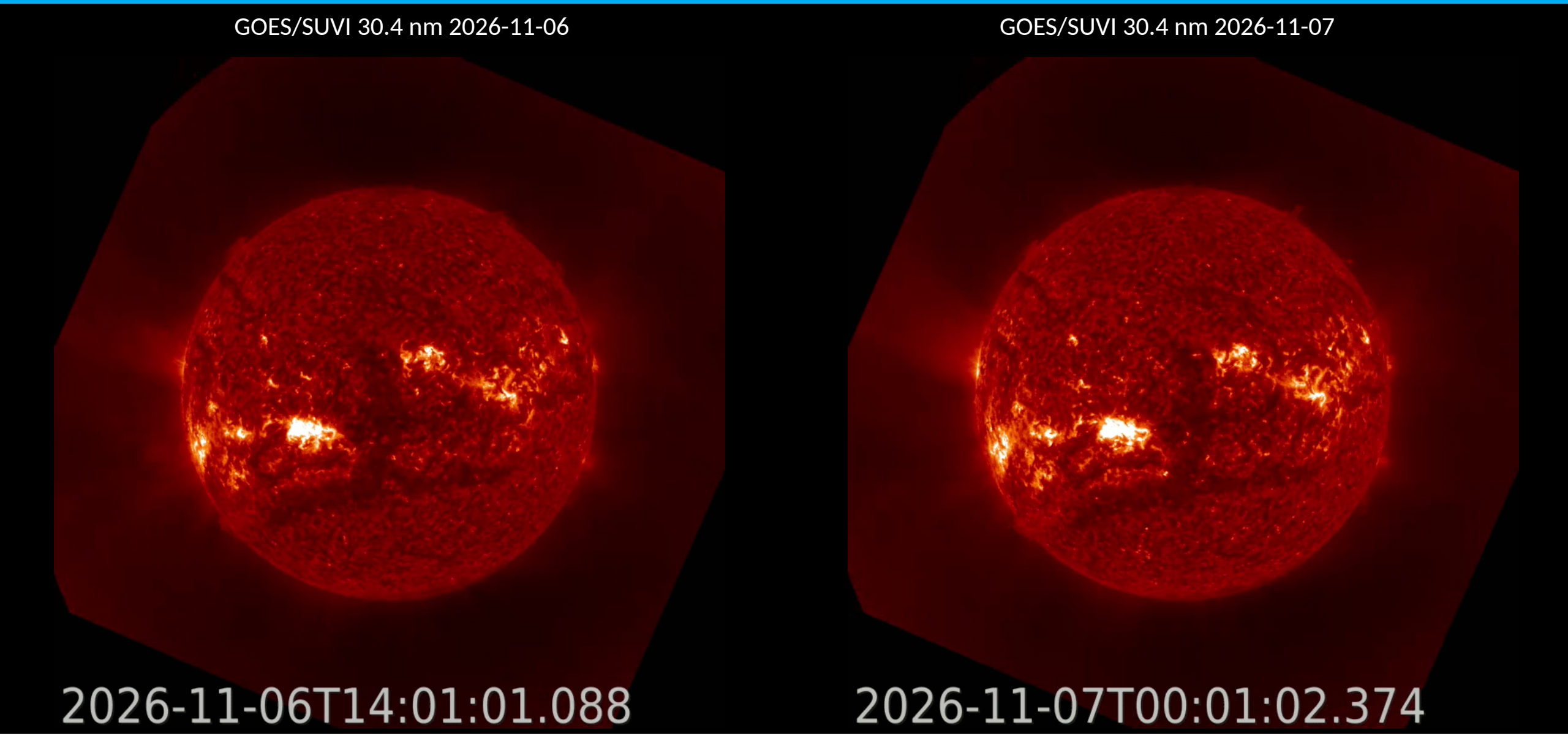
SDO/AIA 19.3 nm 2026-11-04



SDO/AIA 19.3 nm 2026-11-09

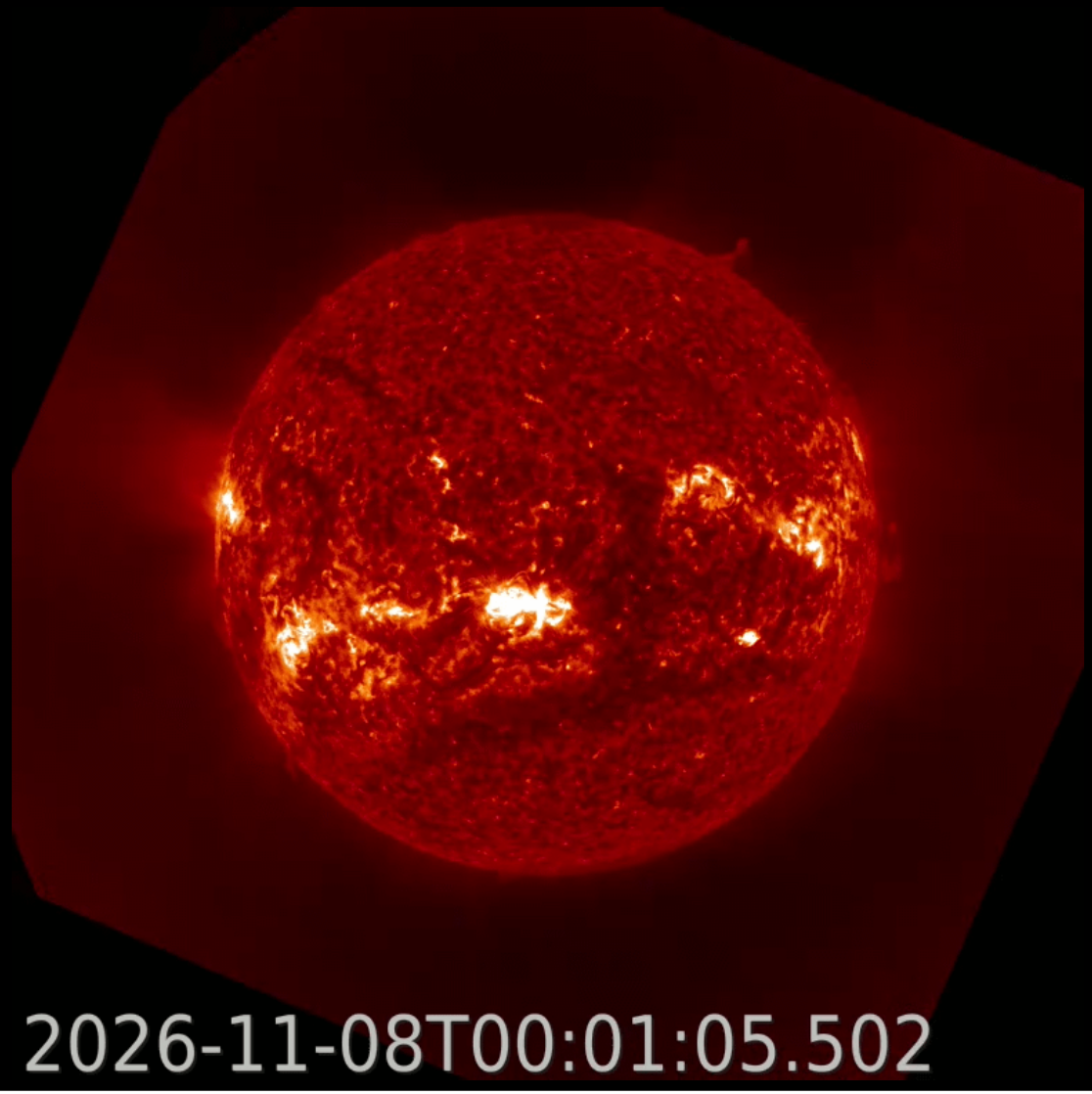


Filaments


GOES/SUVI 30.4 nm 2026-11-06
GOES/SUVI 30.4 nm 2026-11-07
2026-11-06T14:01:01.088
2026-11-07T00:01:02.374

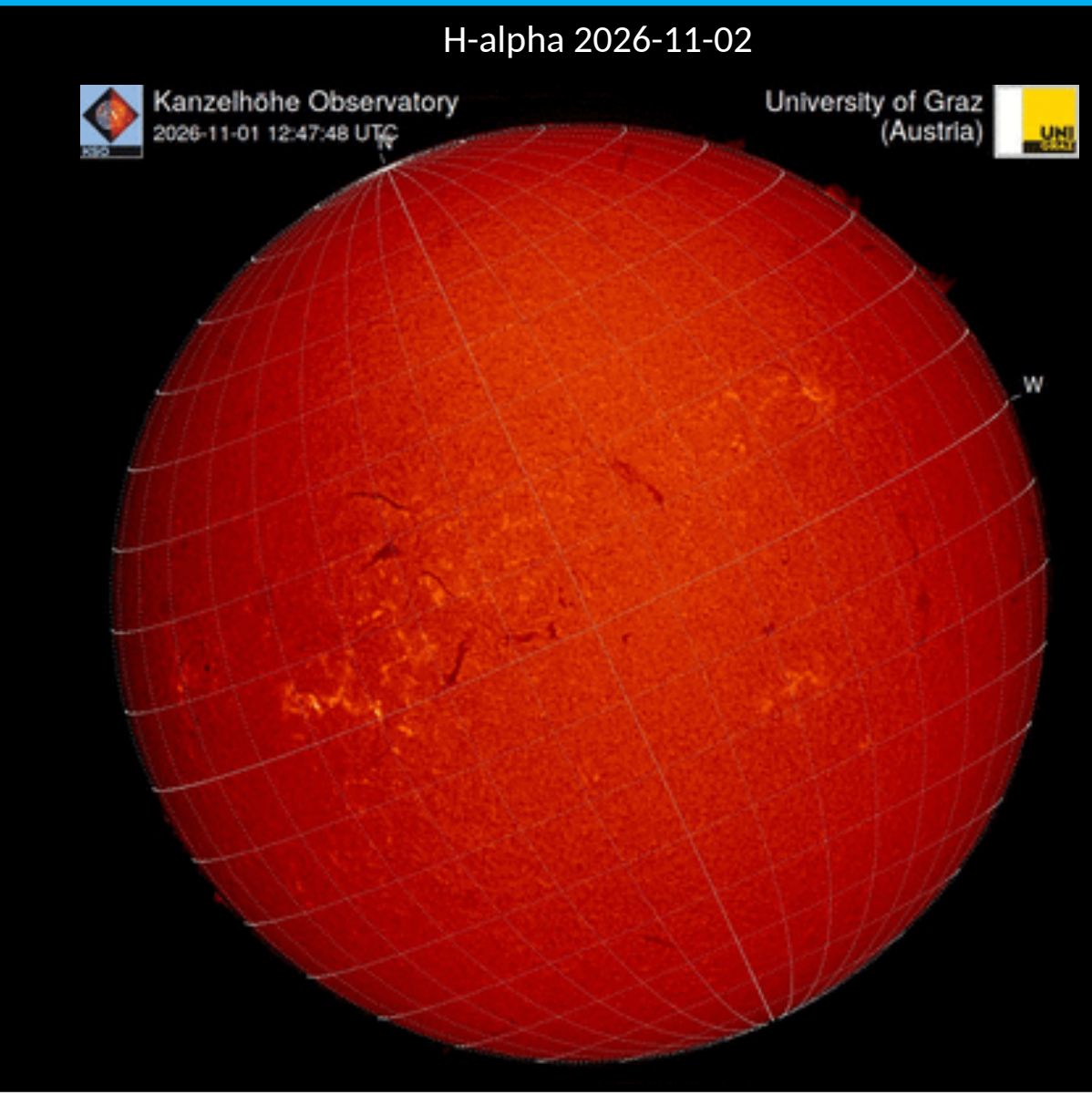
Filaments

GOES/SUVI 30.4 nm 2026-11-08

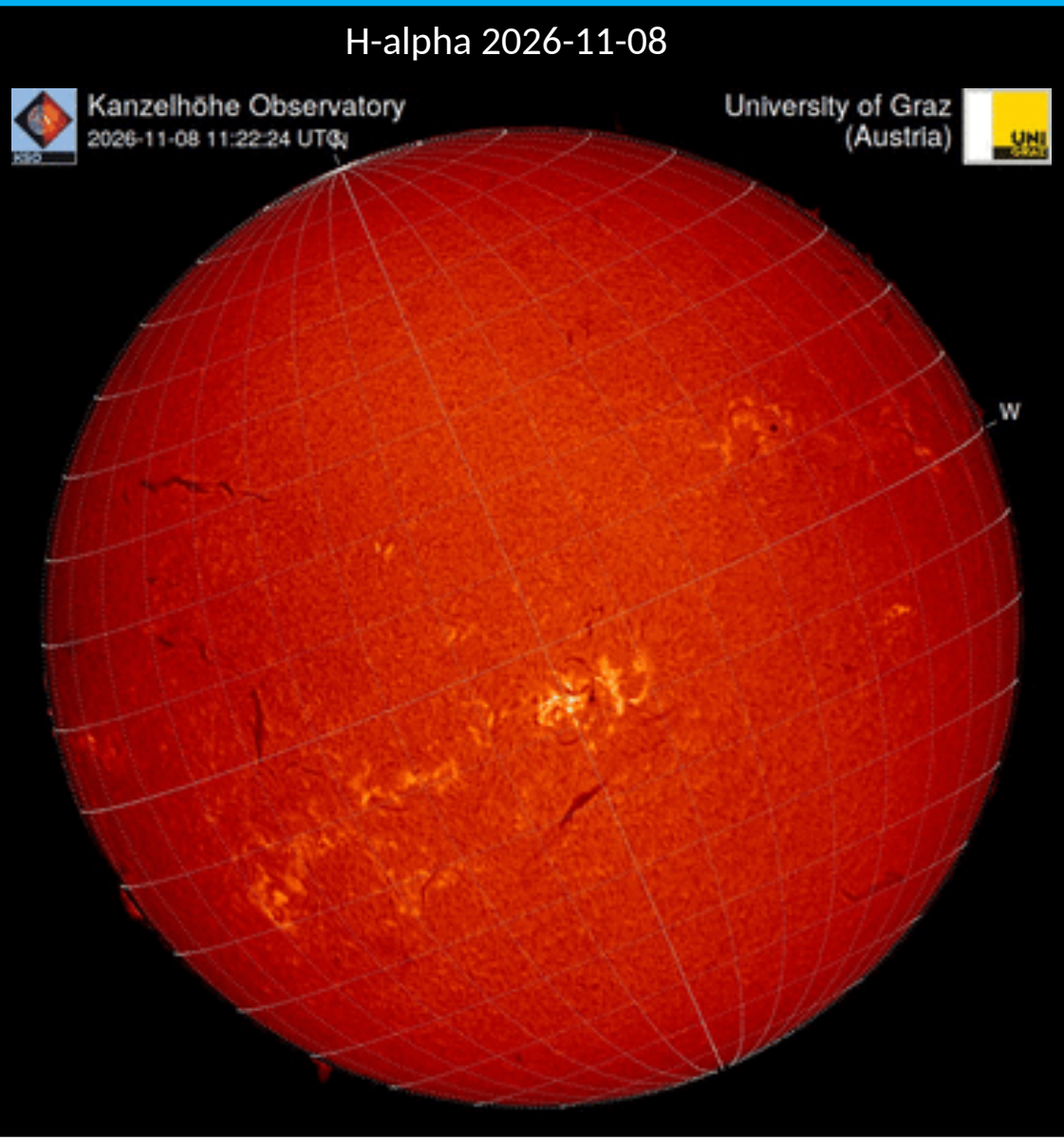


Filaments & Filament eruptions

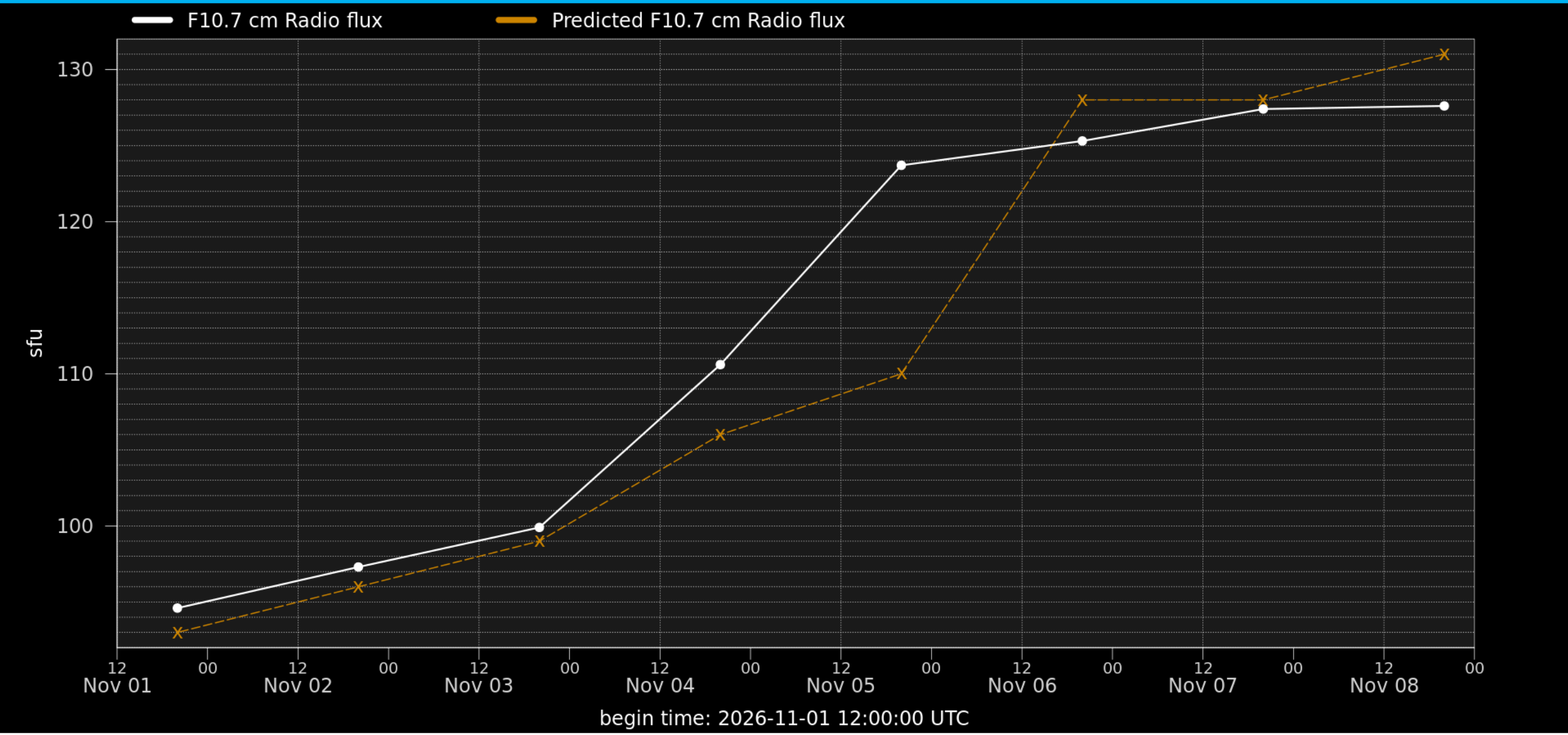
H-alpha 2026-11-02



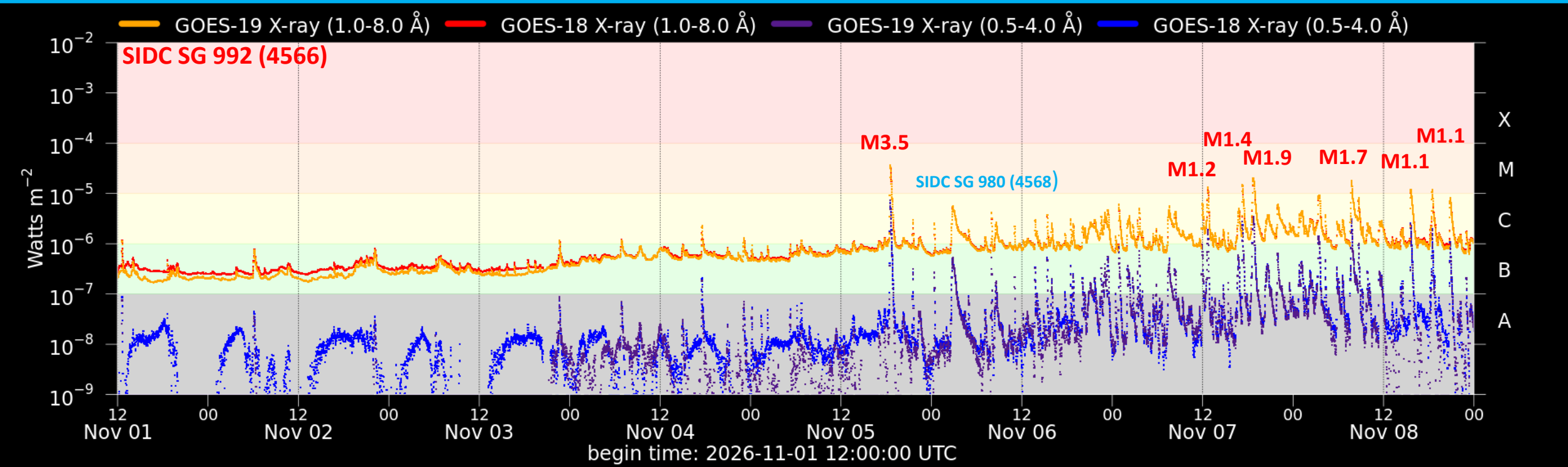
H-alpha 2026-11-08



Solar F10.7cm radio flux



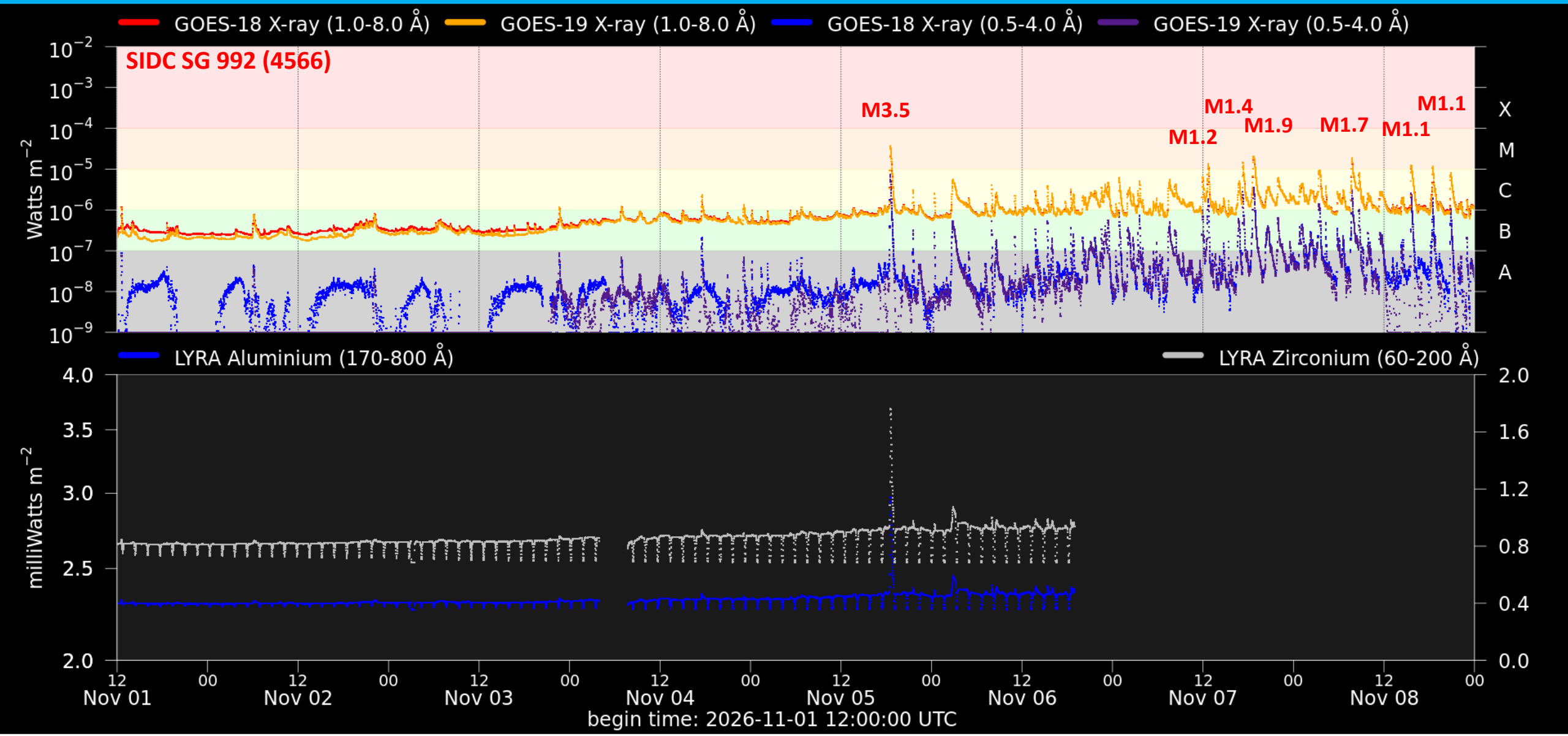
Flaring activity



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

Issue date	2026-11-01	2026-11-02	2026-11-03	2026-11-04	2026-11-05	2026-11-06	2026-11-07	2026-11-08
Probability (%)	28|04|01	37|04|01	56|10|01	92|49|05	80|40|10	95|40|05	99|50|05	99|70|20
Observed (#)	01|00|00	00|00|00	02|00|00	02|00|00	11|01|00	30|00|00	28|04|00	12|02|00

Solar X-Ray and UV flux



Solar X-Ray and UV flux

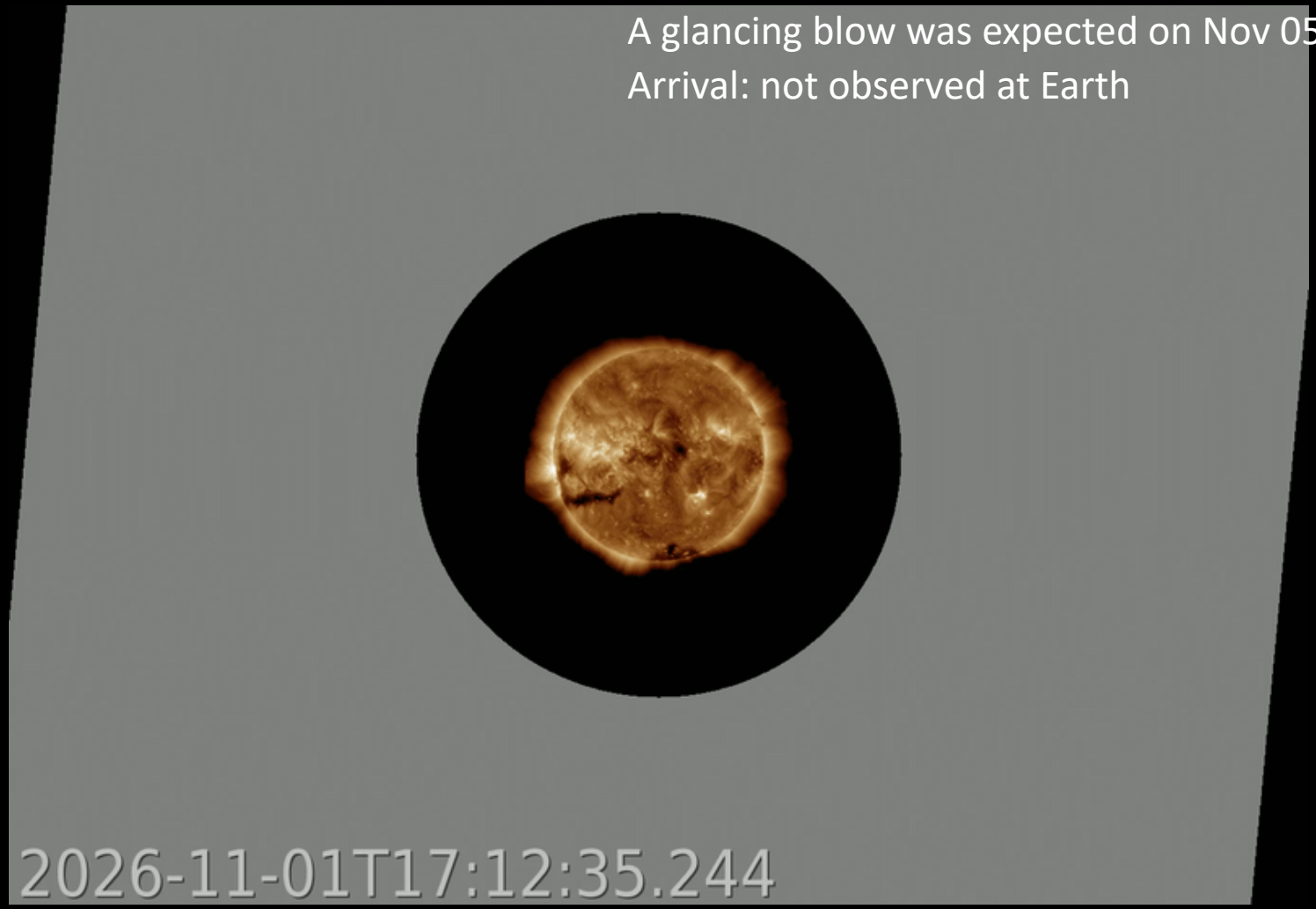
YY	MM	DD	RFL obs	C obs	MX obs	NOAA
2022	5	5	119,9	30	2	3004
2026	11	8	127,6	28	3	4566
2024	5	28	166,4	27	0	3697

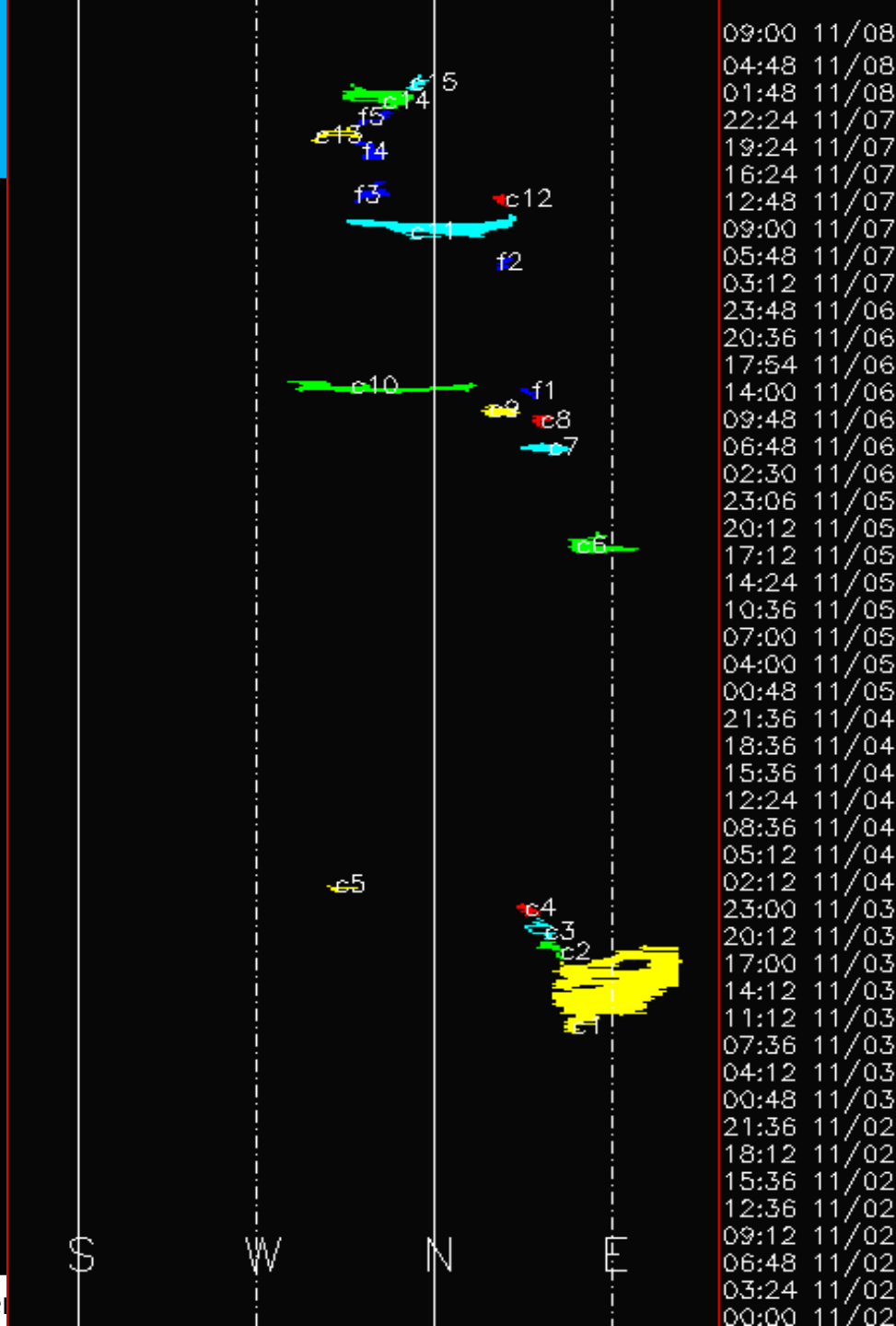
YY	MM	DD	RFL obs	C obs	MX obs	NOAA
2024	12	29	254,7	1	23	Various
2026	2	1	161,5	2	19	4366
2026	2	2	173,8	1	17	4366

News item on https://stce.be/news
https://sidc.be/

Coronal Mass Ejections

SIDC CME 740 at 19:00 UTC on Nov 01.
A glancing blow was expected on Nov 05.
Arrival: not observed at Earth





Solar Wind and

Geomagnetic Activity



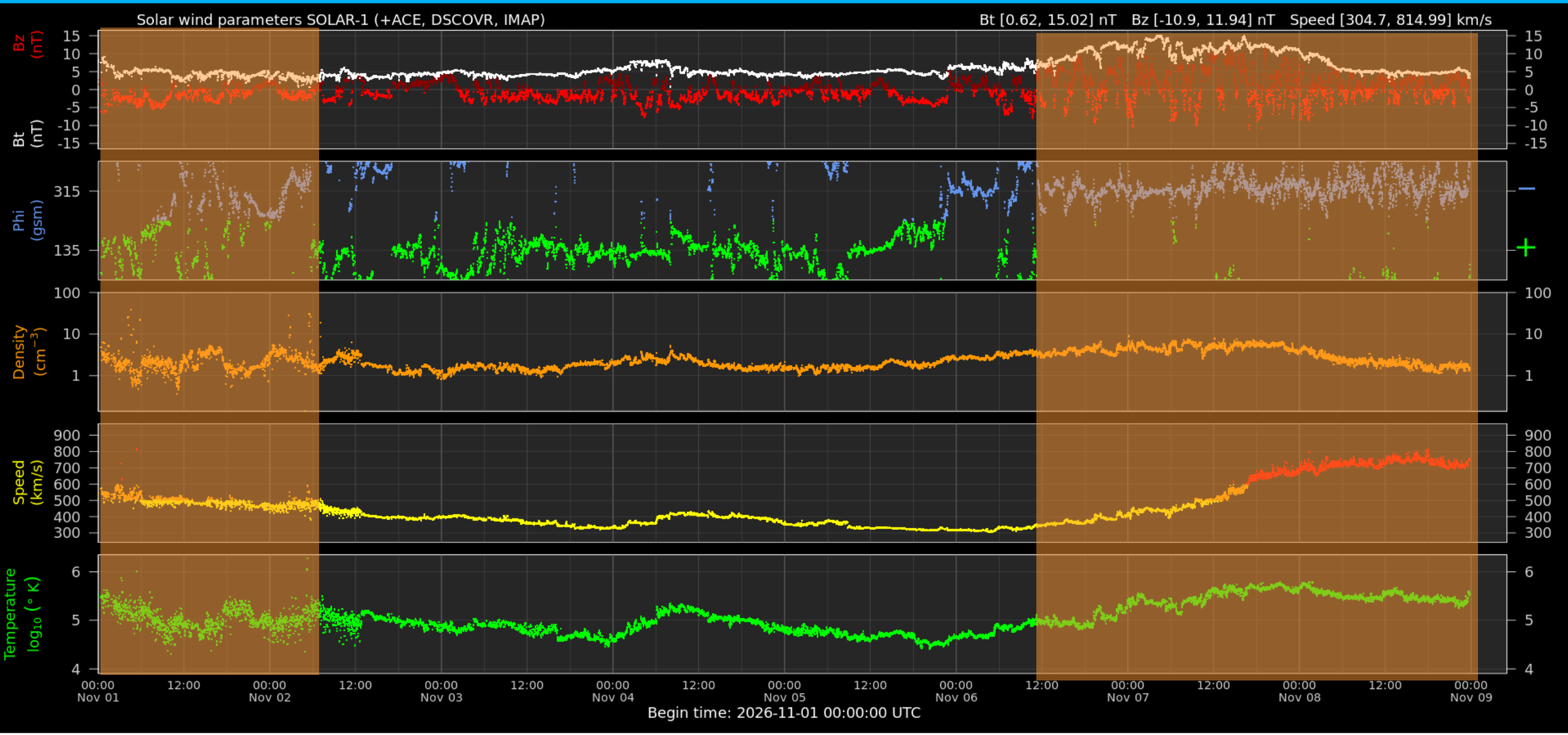
Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

Solar wind parameters

HSS from SIDC CH 179

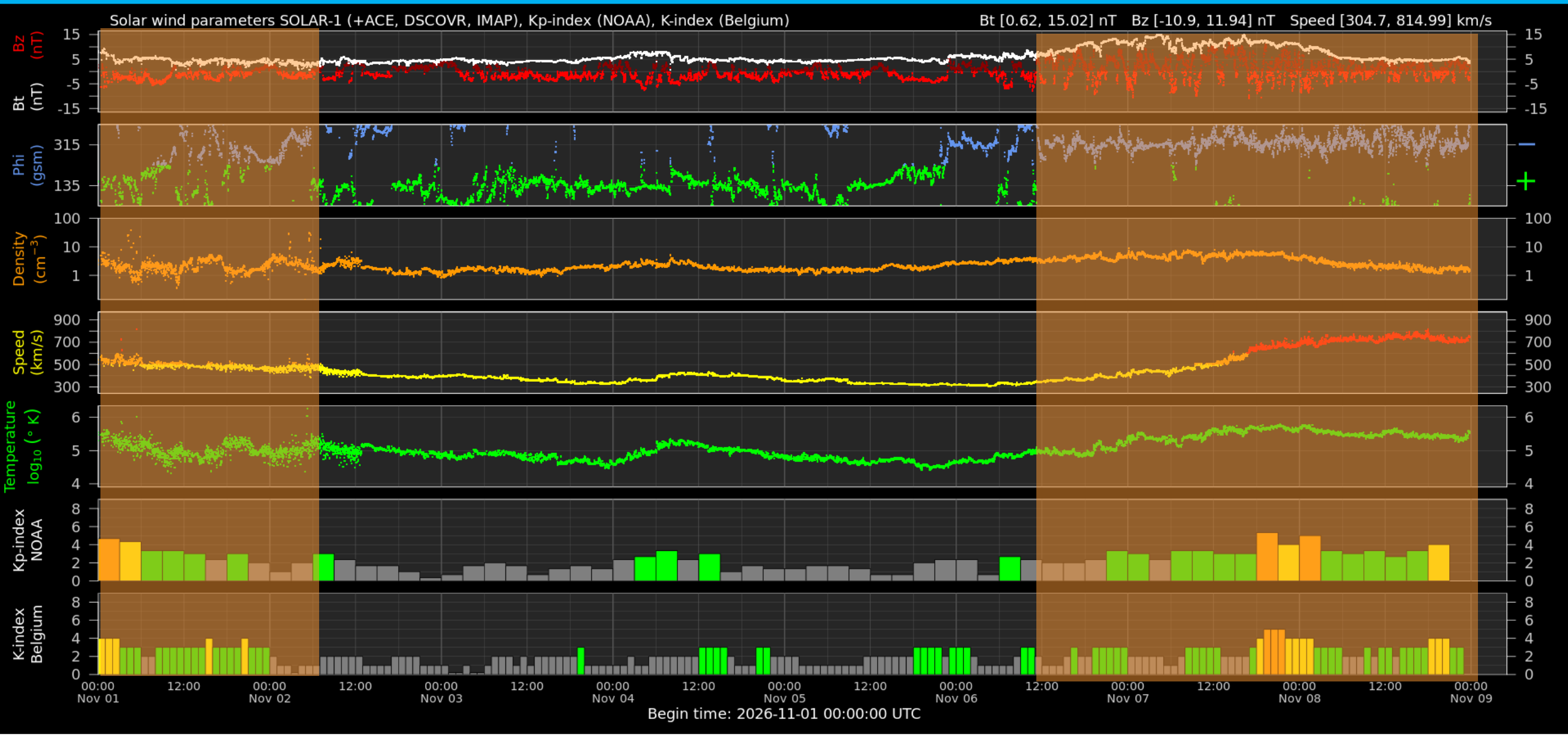
HSS from SIDC CH 149



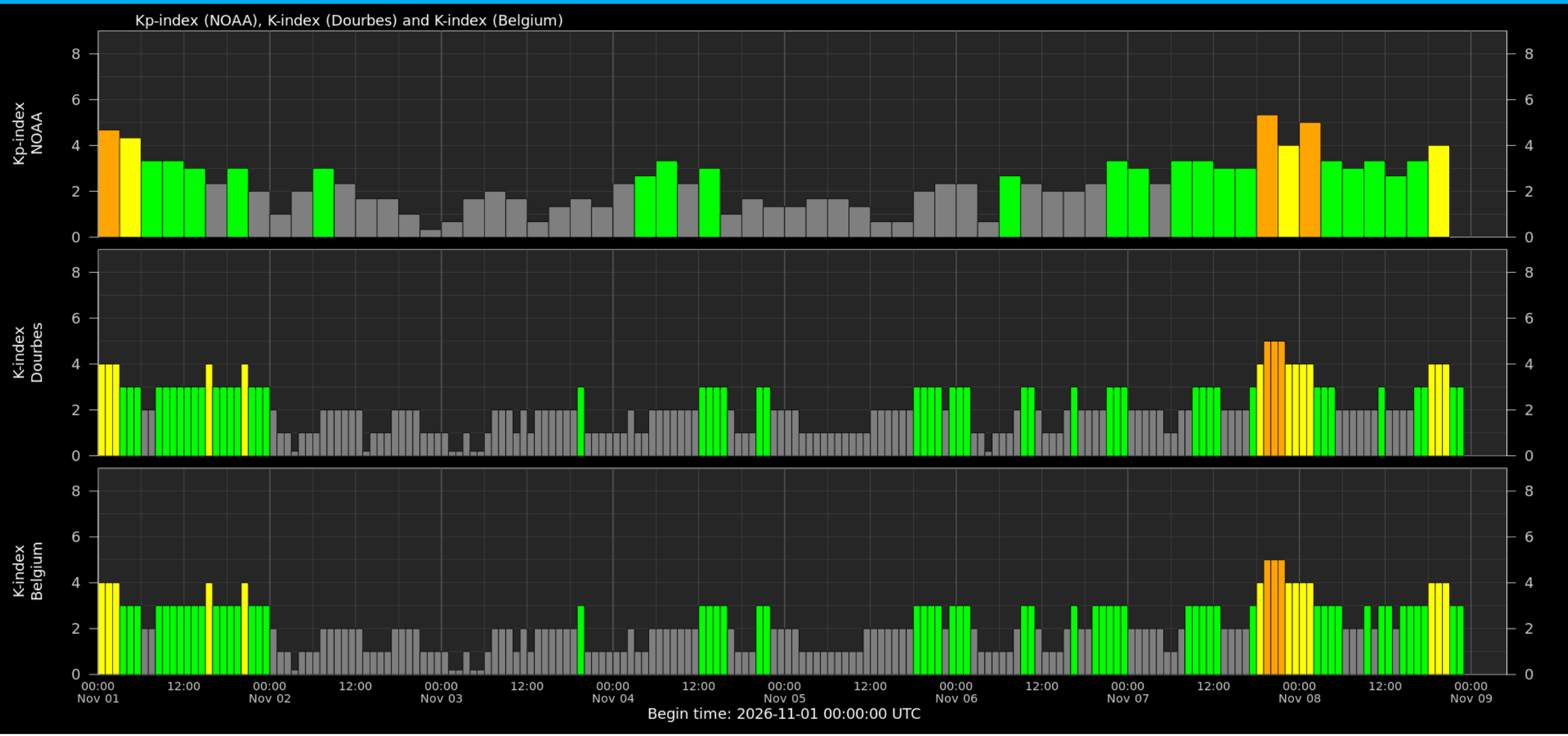
Solar wind parameters & K-indices

HSS from SIDC CH 179

HSS from SIDC CH 149



Geomagnetic activity (K-indexes)



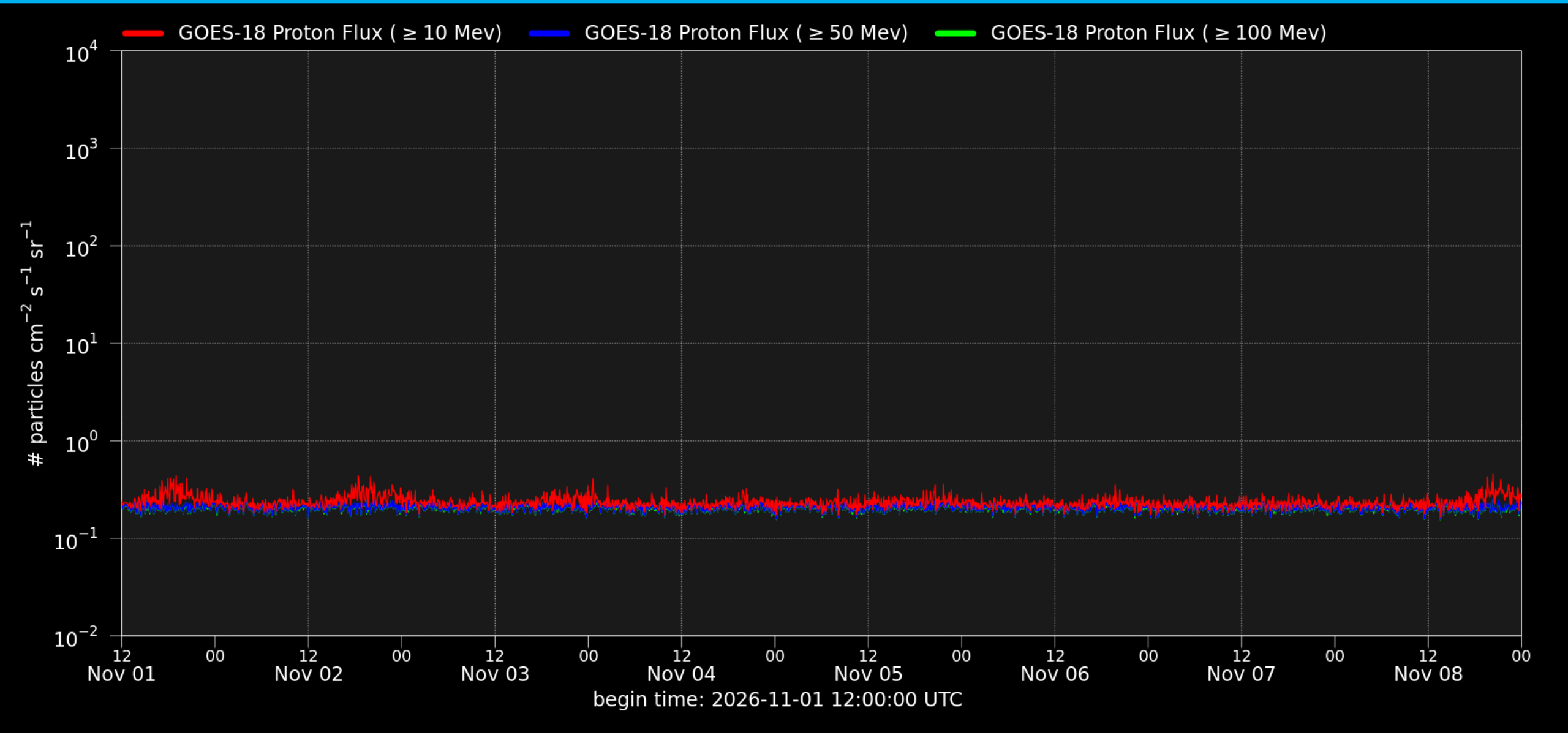
Energetic Particles



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

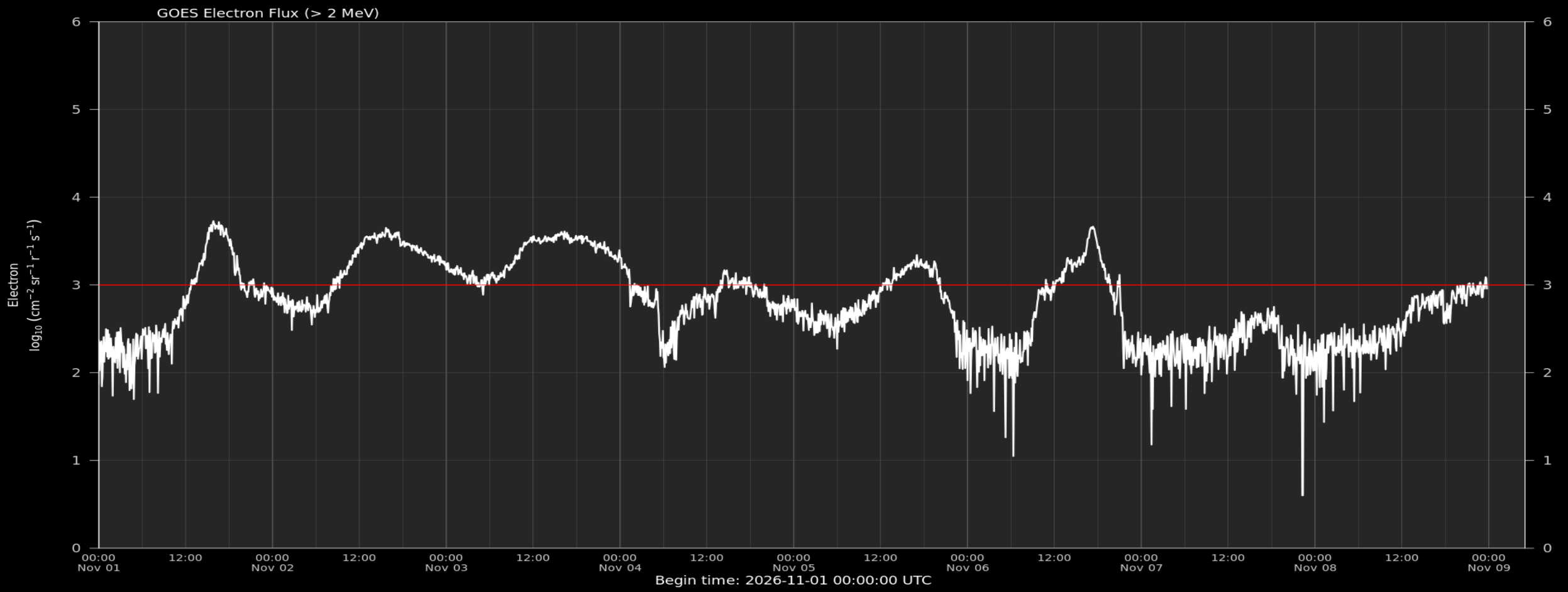
Solar proton flux



Electron flux at GEO

www.stce.be/educational/classification#electrons

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

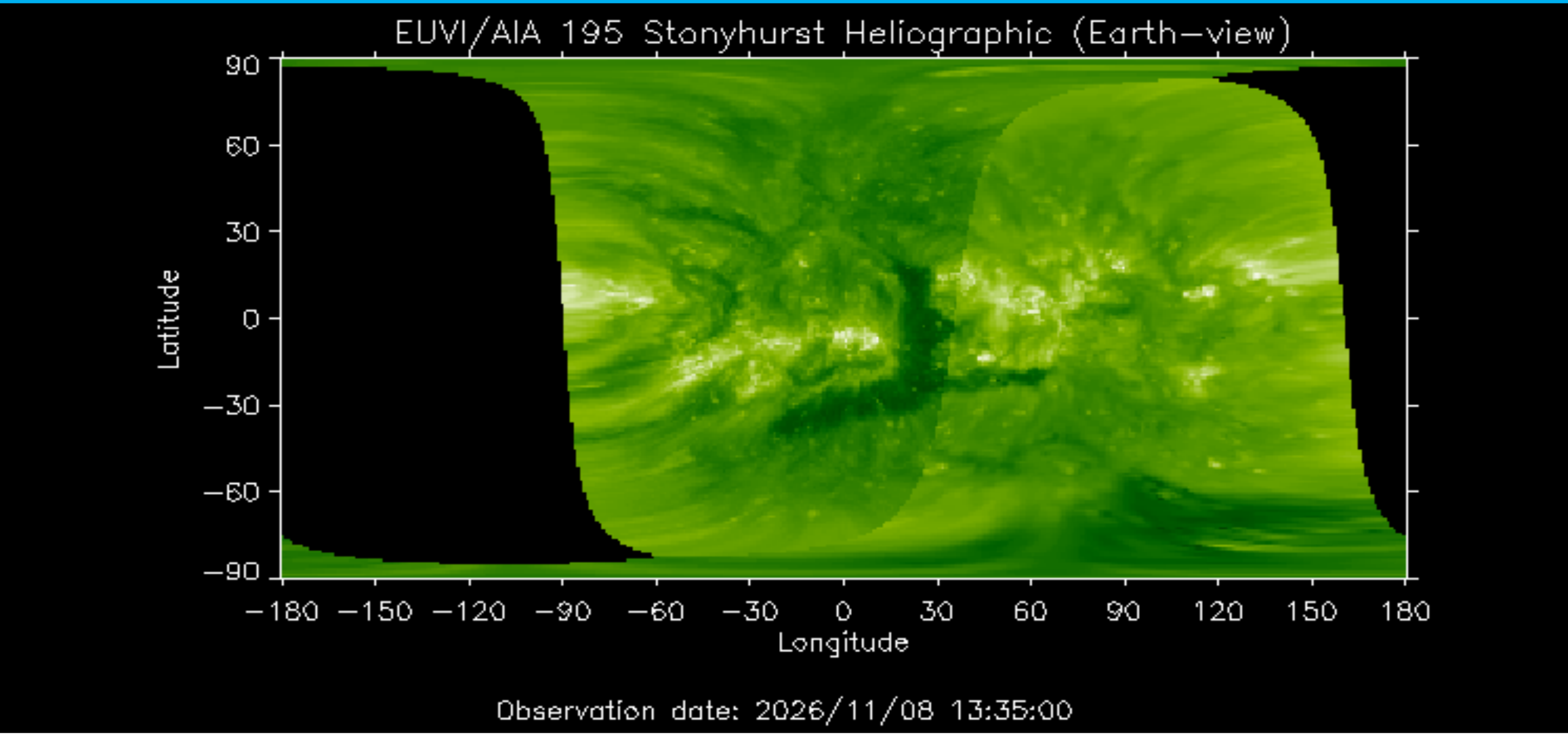


Outlook

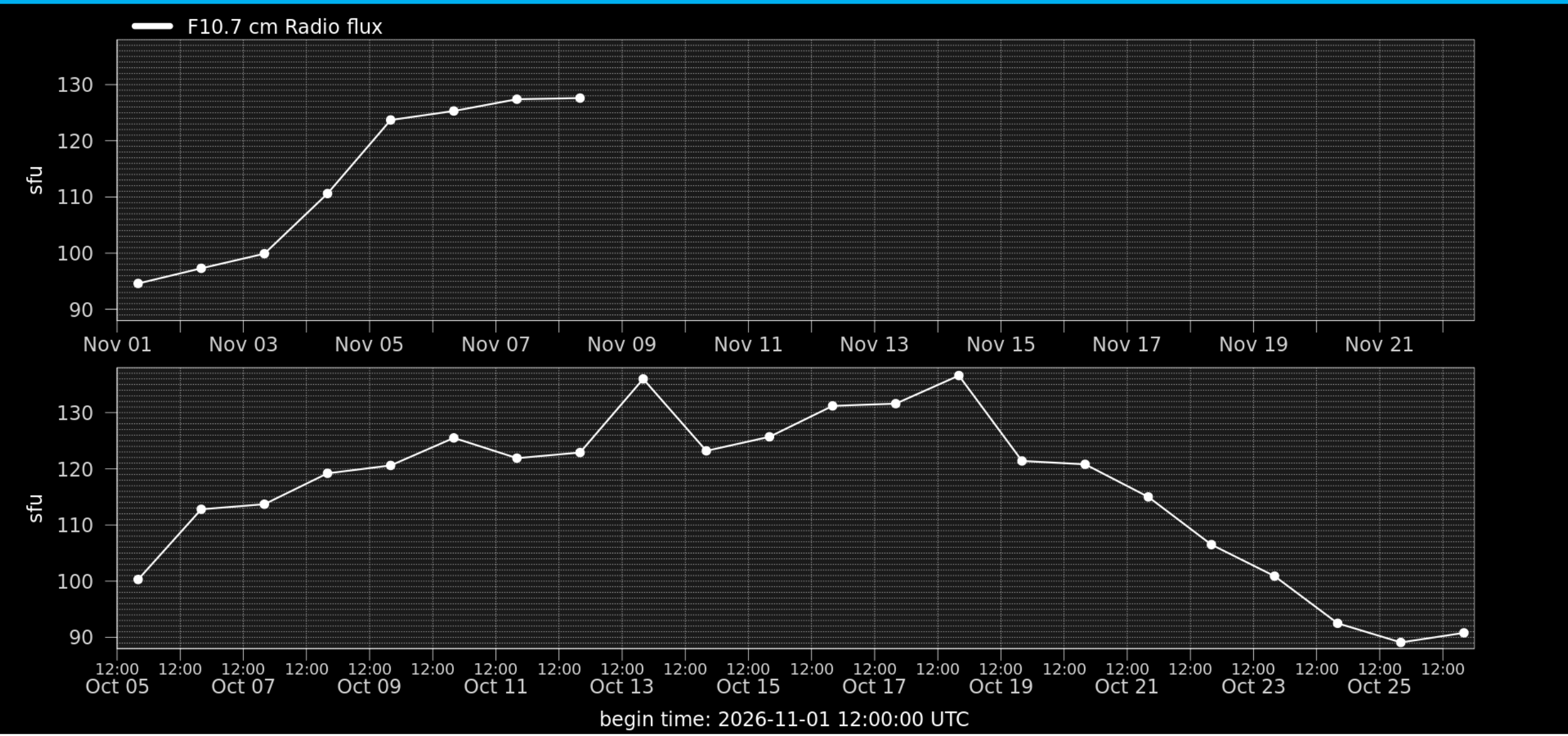
Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

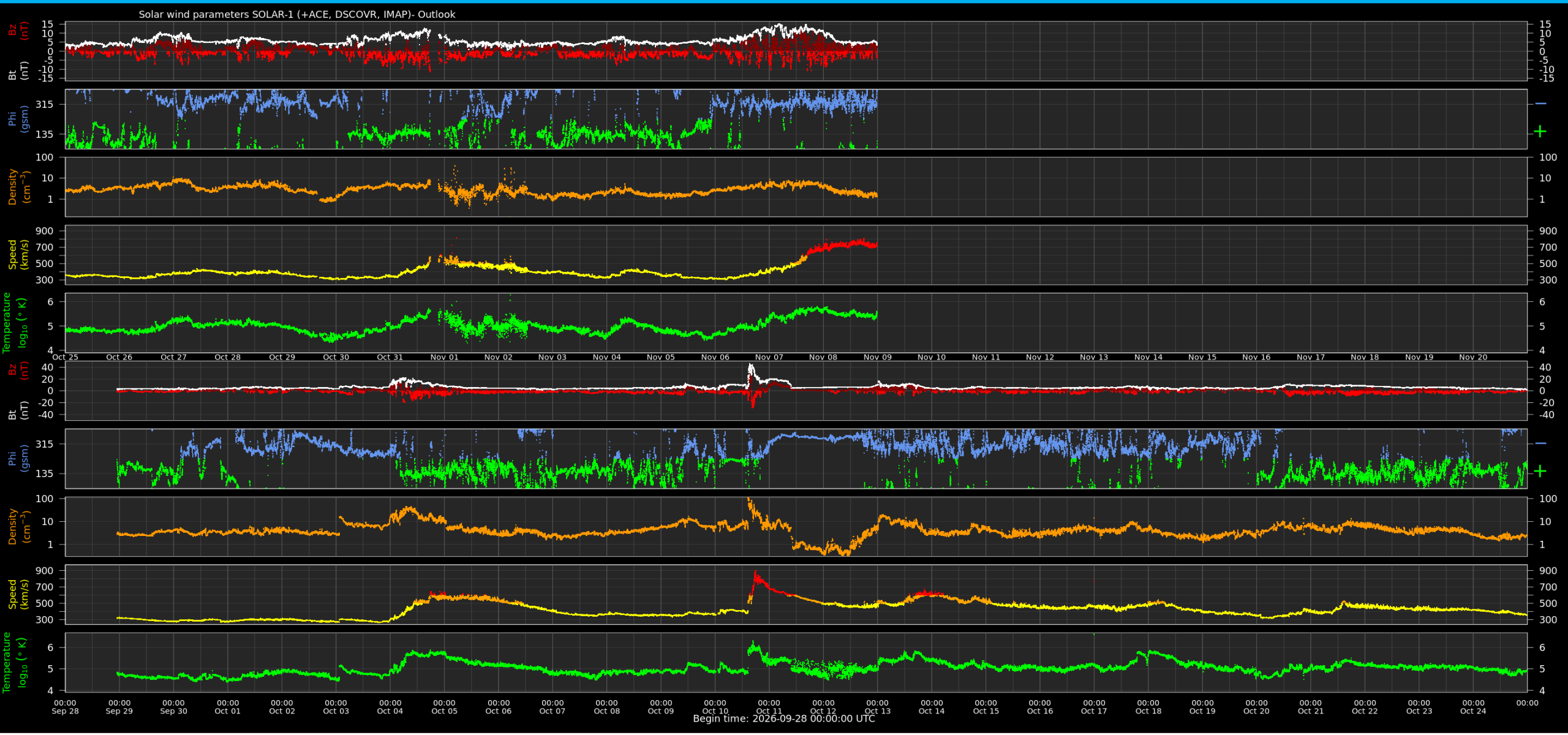
Outlook: Solar activity



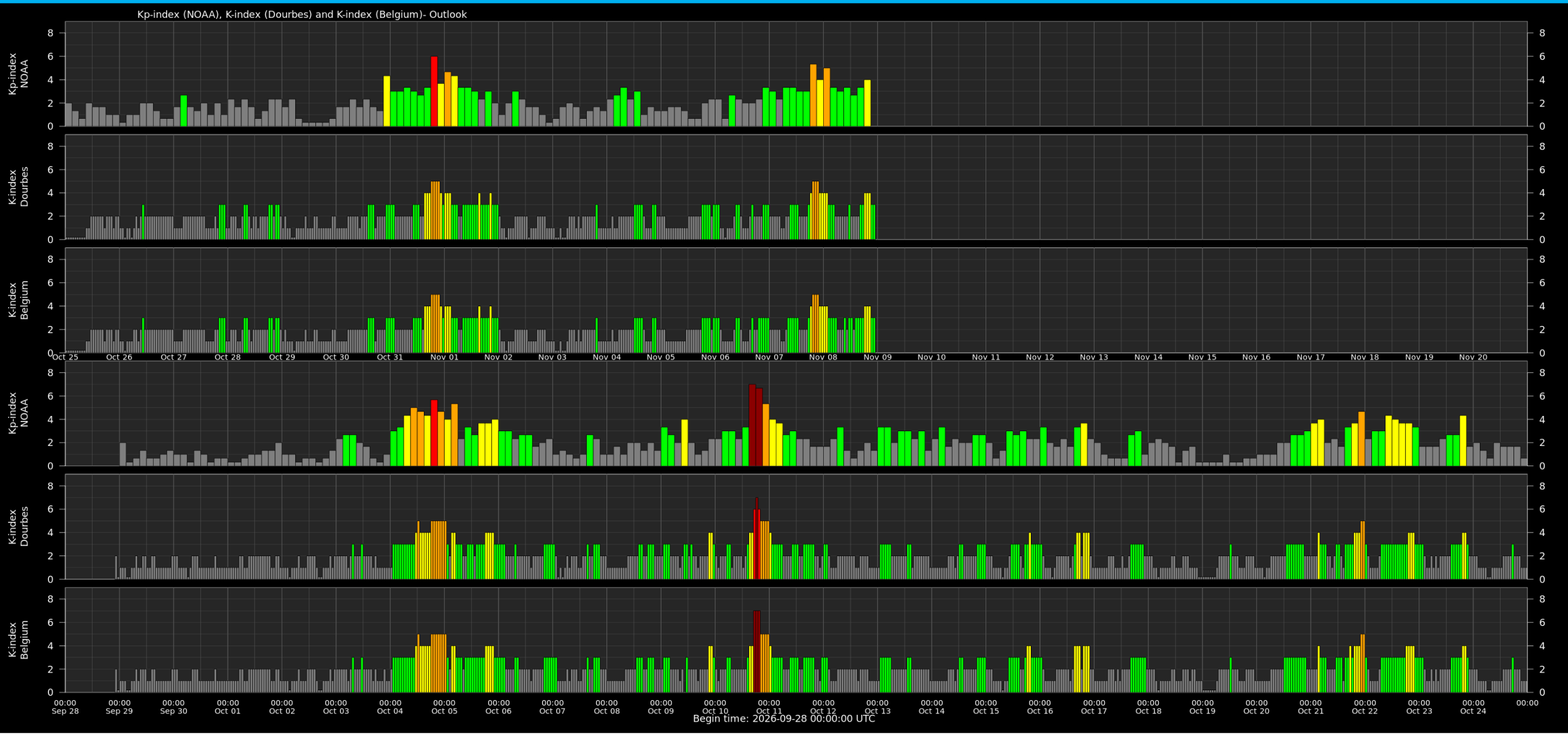
Outlook: Solar F10.7cm radio flux



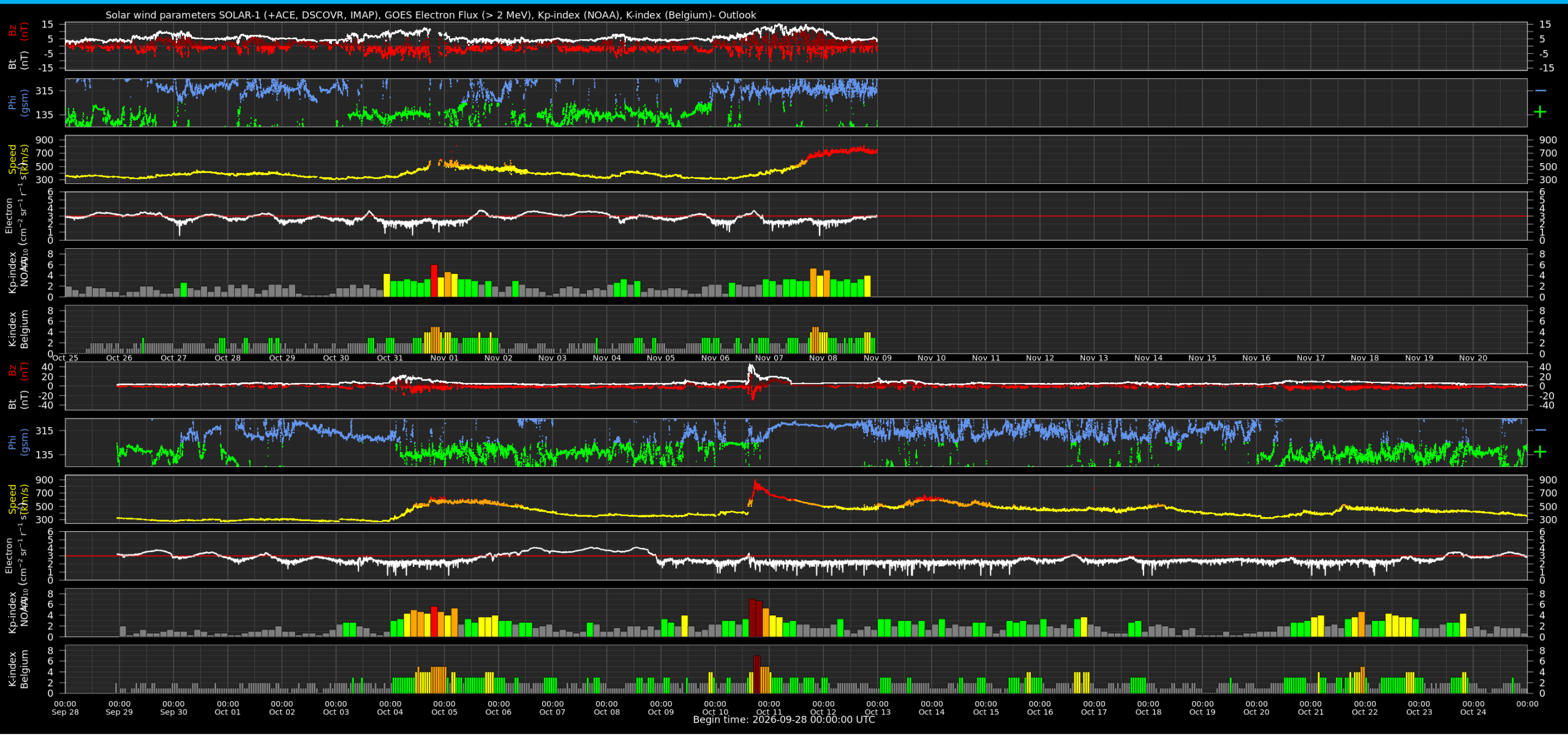
Outlook: Solar wind parameters



Outlook: Geomagnetic activity



Outlook: Electron Flux at GEO Outlook



PECASUS

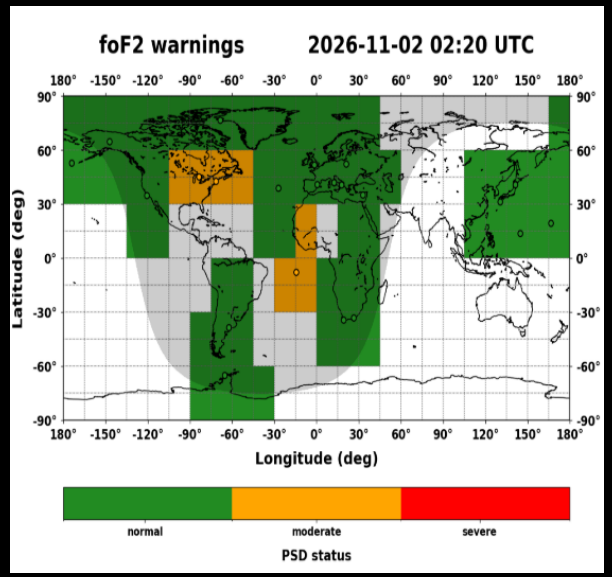
Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
www.sidc.be

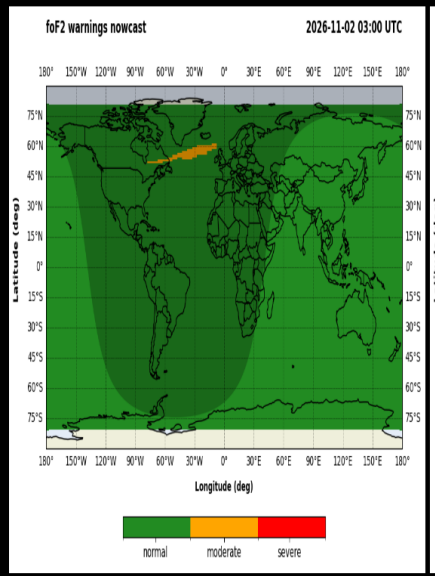
Pecasus related events

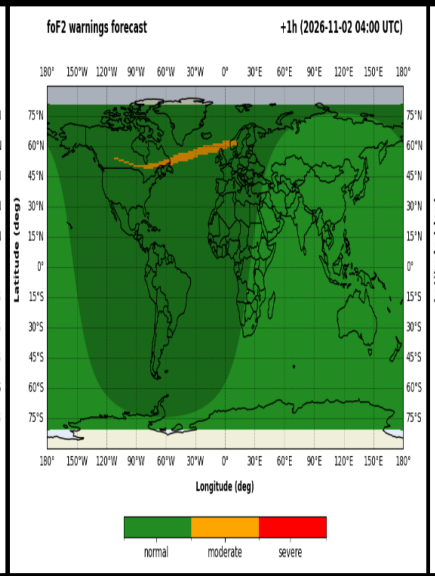
Operational duty center: until 08 UTC on Nov 10

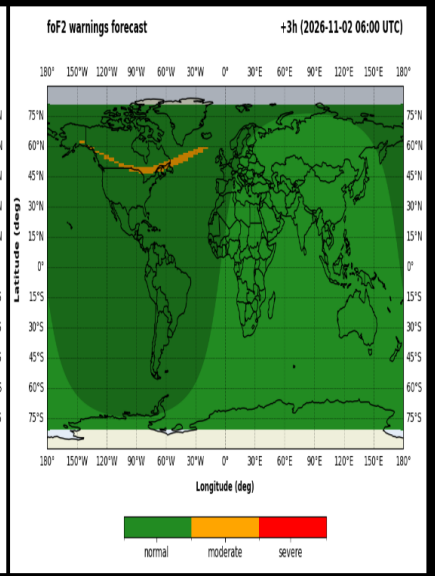
PSD: foF2 Warnings (SRCPAS)



foF2 % depression NowCast and forecast (INGV)








```
0000057701
FNXX02 EFKL 020321
SWX ADVISORY
DTG:              20261102/0321Z
SWXC:             PECASUS
SWX EFFECT:       HF COM
ADVISORY NR:      2026/182
NR RPLC:          2026/181
OBS SWX:          02/0314Z MOD EQN MNH W105 - E000
FCST SWX +6 HR:   02/1000Z NOT AVBL
FCST SWX +12 HR:  02/1600Z NOT AVBL
FCST SWX +18 HR:  02/2200Z NOT AVBL
FCST SWX +24 HR:  03/0400Z NOT AVBL
RMK:              SPACE WEATHER EVENT (MAXIMUM USABLE
FREQUENCY DEPRESSION) IS IN PROGRESS. IMPACT ON HIGHER
HF COM FREQUENCY BANDS EXPECTED.
NXT ADVISORY:     WILL BE ISSUED BY 20261102/0914Z=
```

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