

# SIDC Space Weather Briefing

13 April 2026-19 April 2026

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& the SIDC forecaster team



Royal Observatory  
of Belgium

Solar Influences  
Data analysis Centre  
[www.sidc.be](http://www.sidc.be)

# Summary Report

Solar activity from 2026-04-13 00:00 to 2026-04-19 23:59

Active regions	7 sunspot groups were visible: SIDC Sunspot group <a href="#">825</a> (NOAA 4419) the most complex
Flares	# C-class flare: 8 # M-class flare: 0 # X-class flare: 0
Coronal Holes	SIDC Coronal hole 147 (large equatorial CH with negative polarity)
CMEs	No clear Earth directed CMEs

Proton flux	Below threshold
Electron flux	Fluctuating over the threshold

## Solar wind and geomagnetic conditions

ICMEs	None
Solar wind conditions	B : 1.94 - 17.57 nT //Bz: -14.36 nT to 13.67 nT //Speed: 278.5 - 600.9km/s
Geomagnetic conditions	max K <sub>Be</sub> : 5.0, max K <sub>p</sub> (NOAA): 5.67, Moderate Storm conditions

All Quiet Alert: Off

# Solar Activity

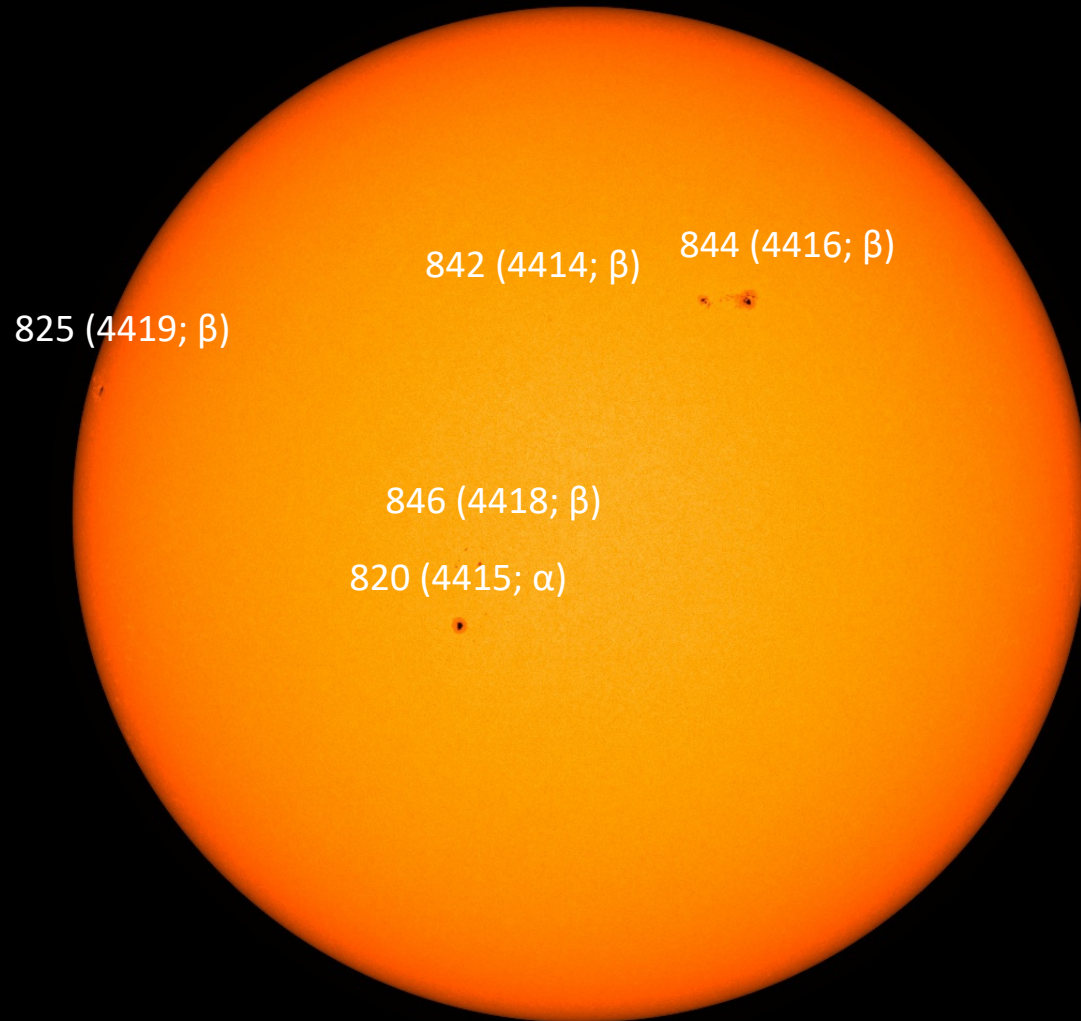


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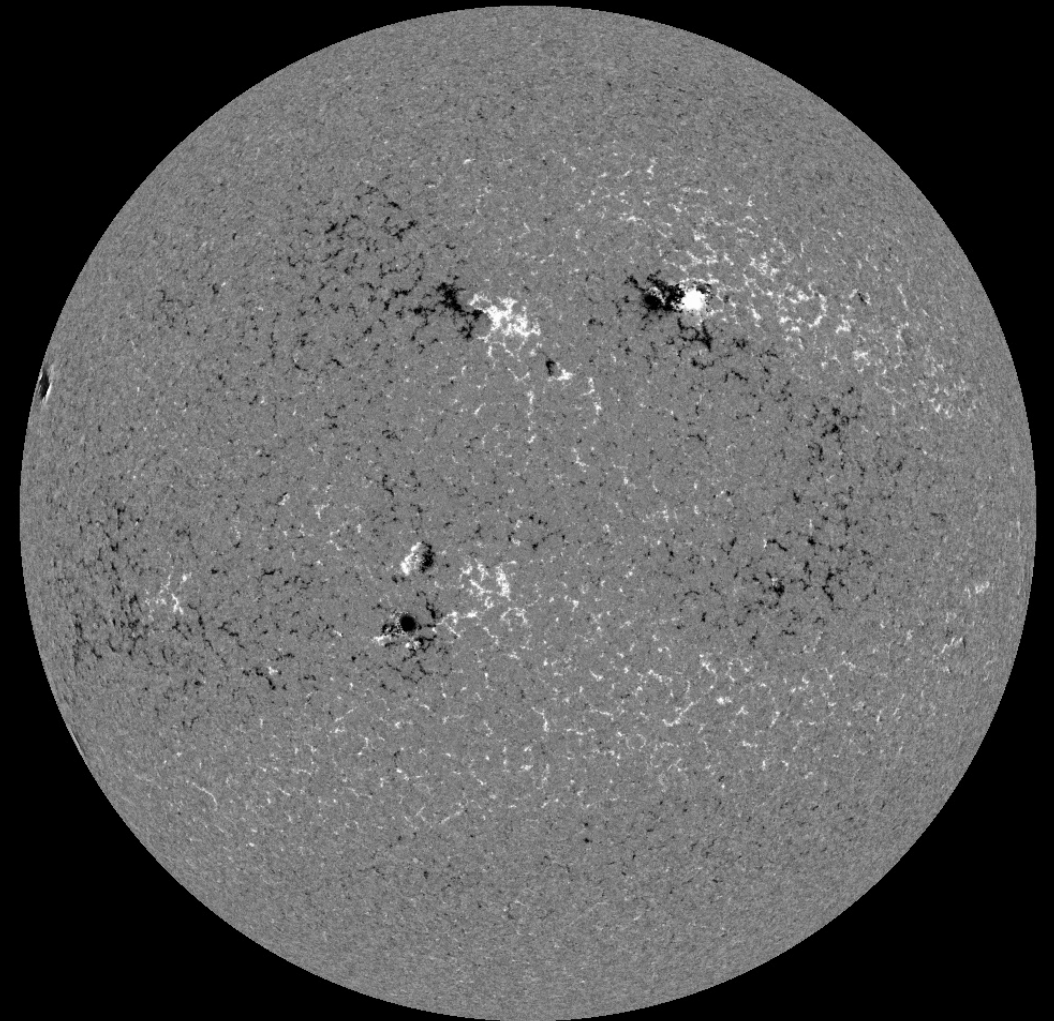
# Solar active regions

SDO/HMI White Light 2026-04-13



SDO/HMI Continuum: 20260413\_120000

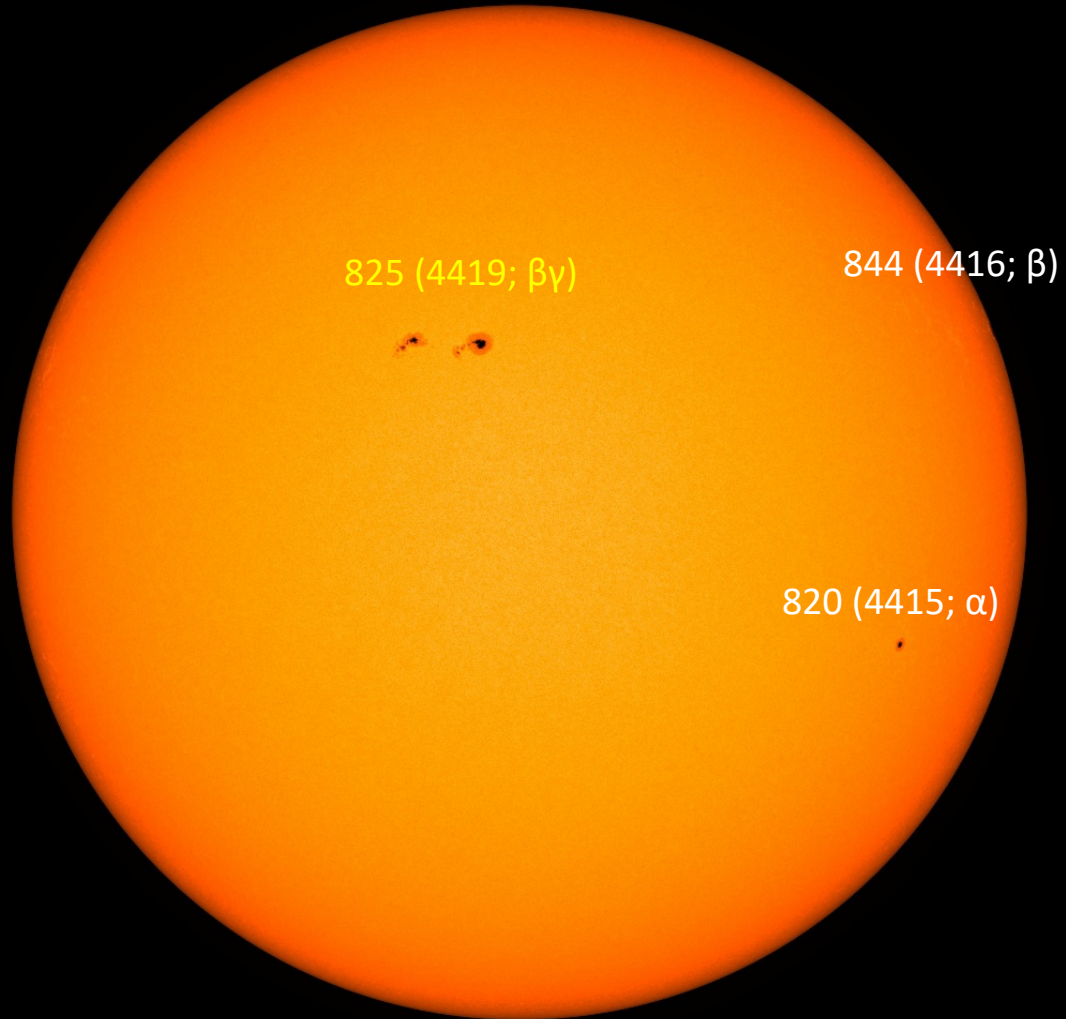
SDO/HMI Magnetogram 2026-04-13



SDO/HMI Magnetogram: 20260413\_120000

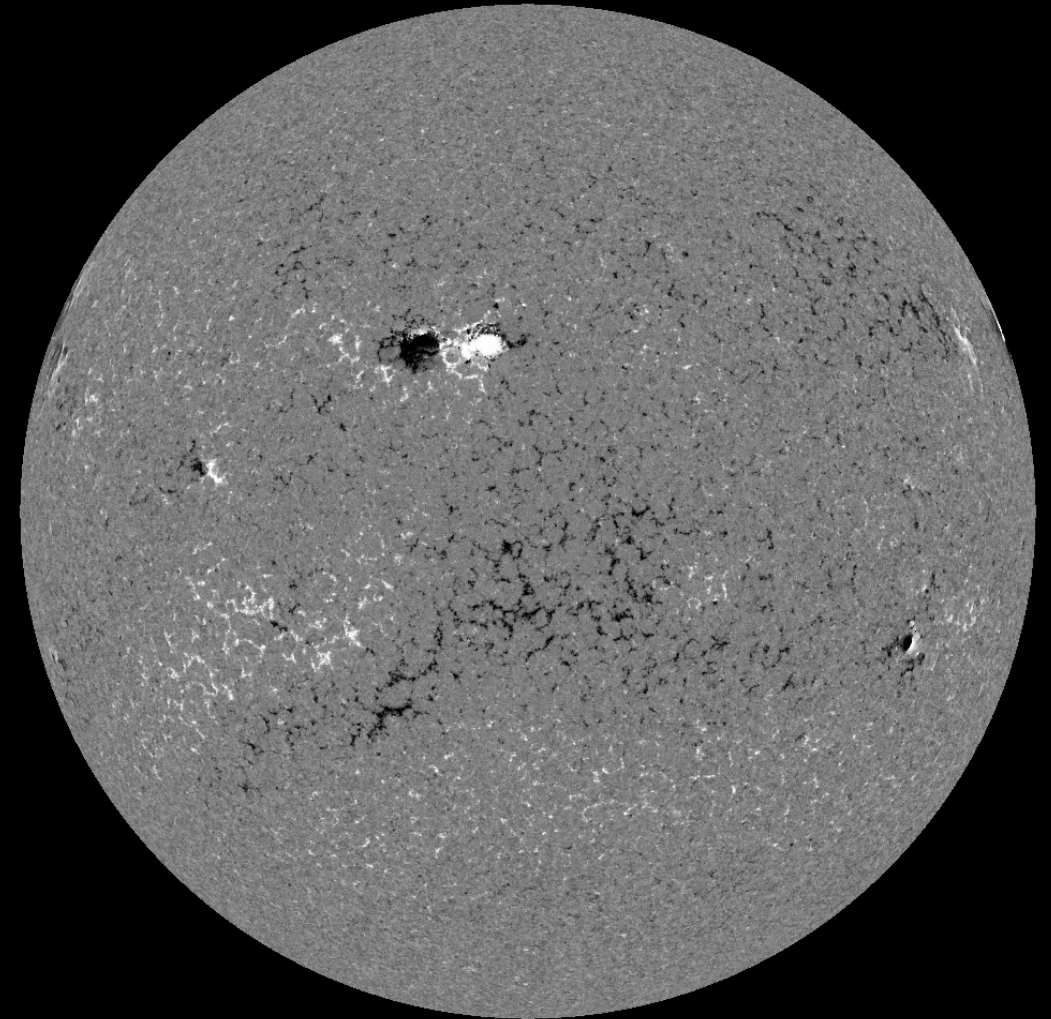
# Solar active regions

SDO/HMI White Light 2026-04-18



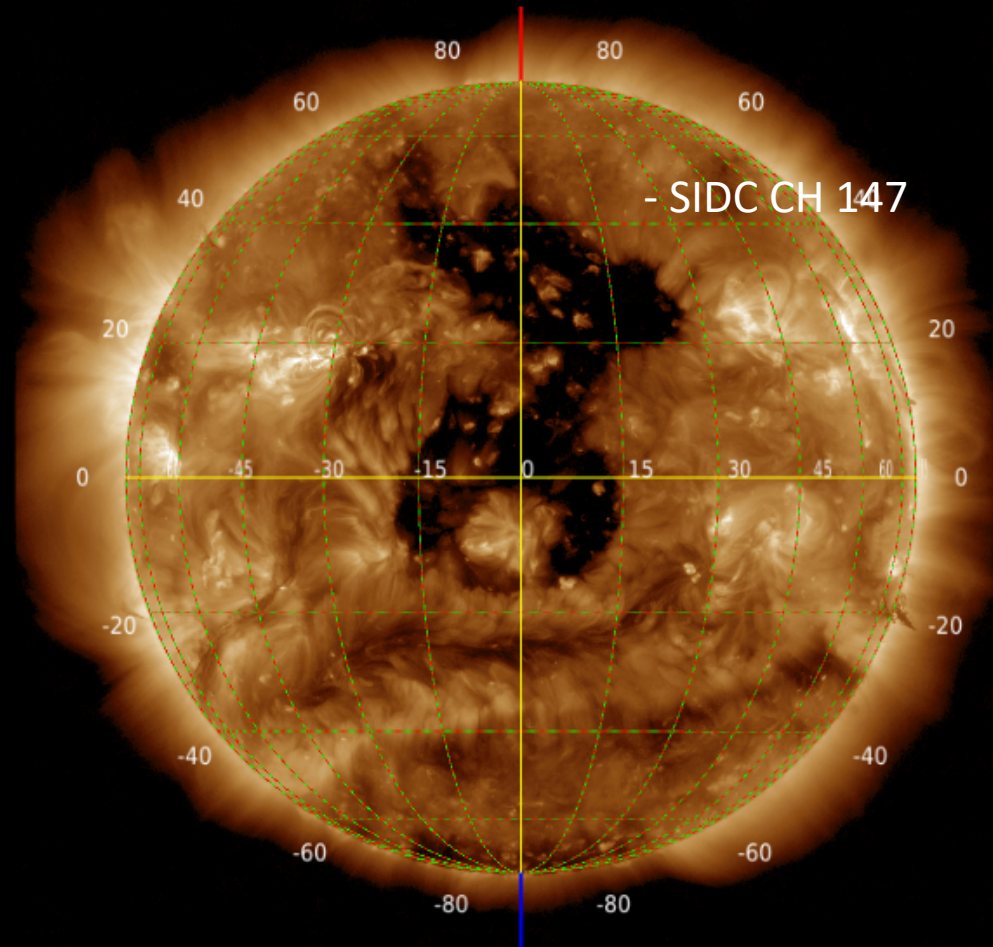
SDO/HMI Quick-Look Continuum: 20260418\_120000

SDO/HMI Magnetogram 2026-04-18



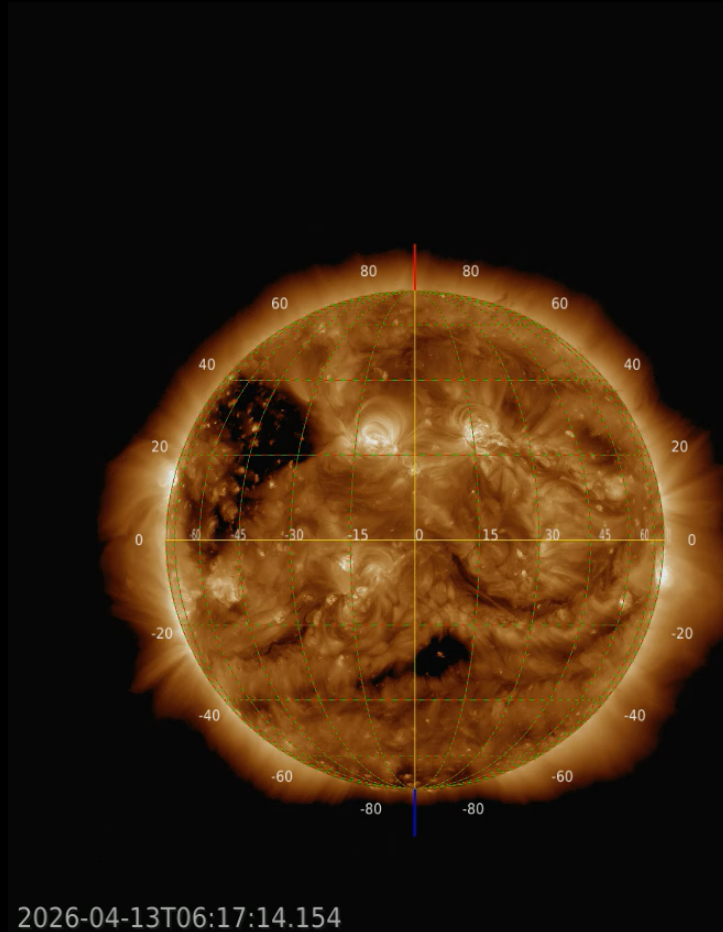
SDO/HMI Quick-Look Magnetogram: 20260418\_120000

# Coronal holes

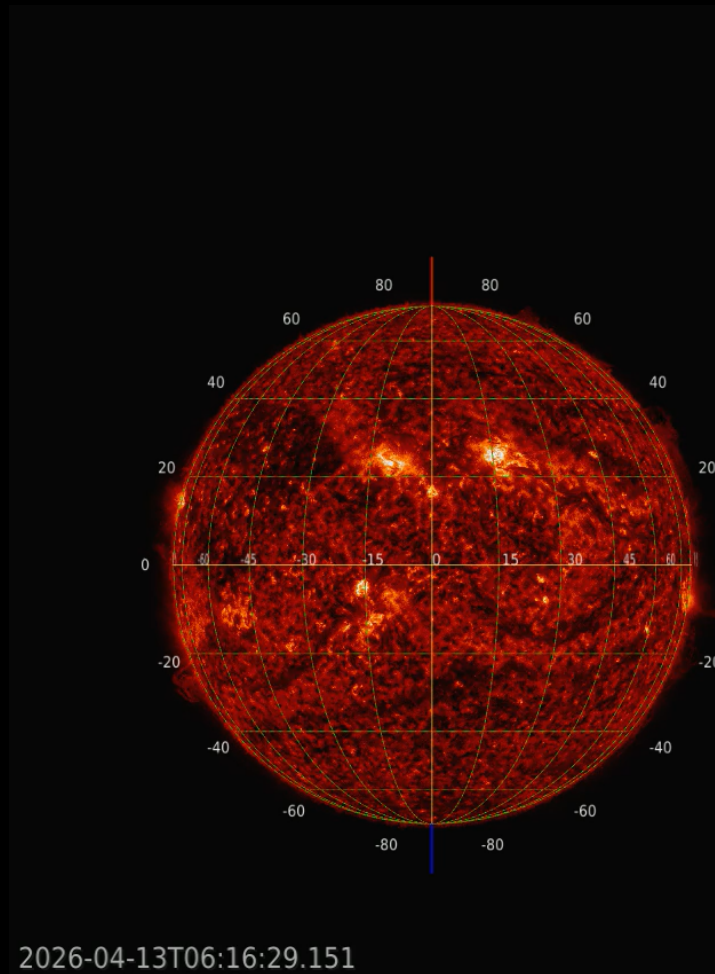


2026-04-16T20:26:28.619

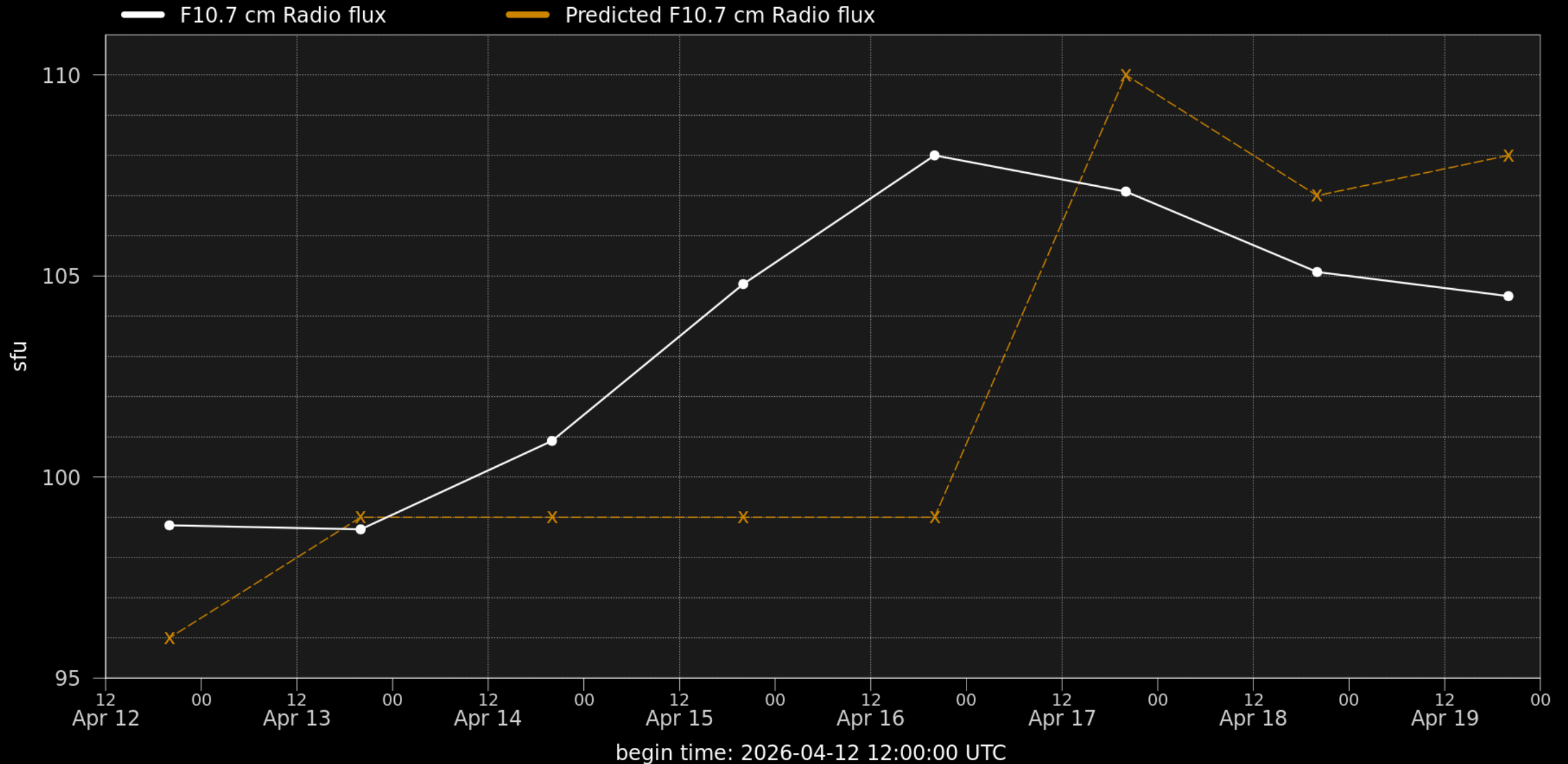
# Coronal holes



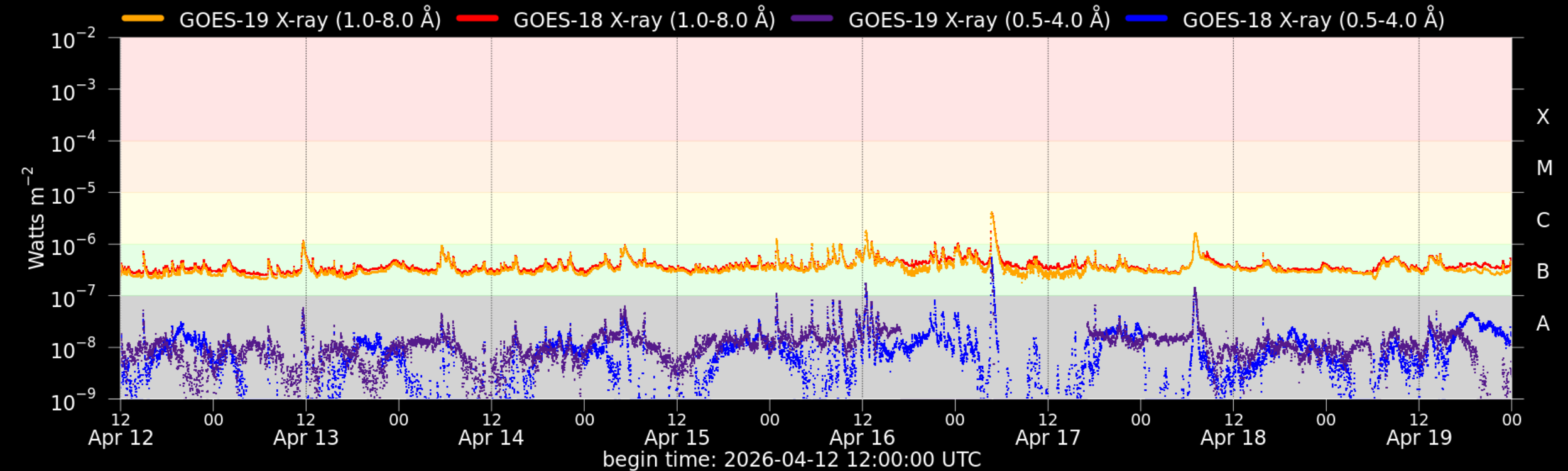
# Filaments



# Solar F10.7cm radio flux



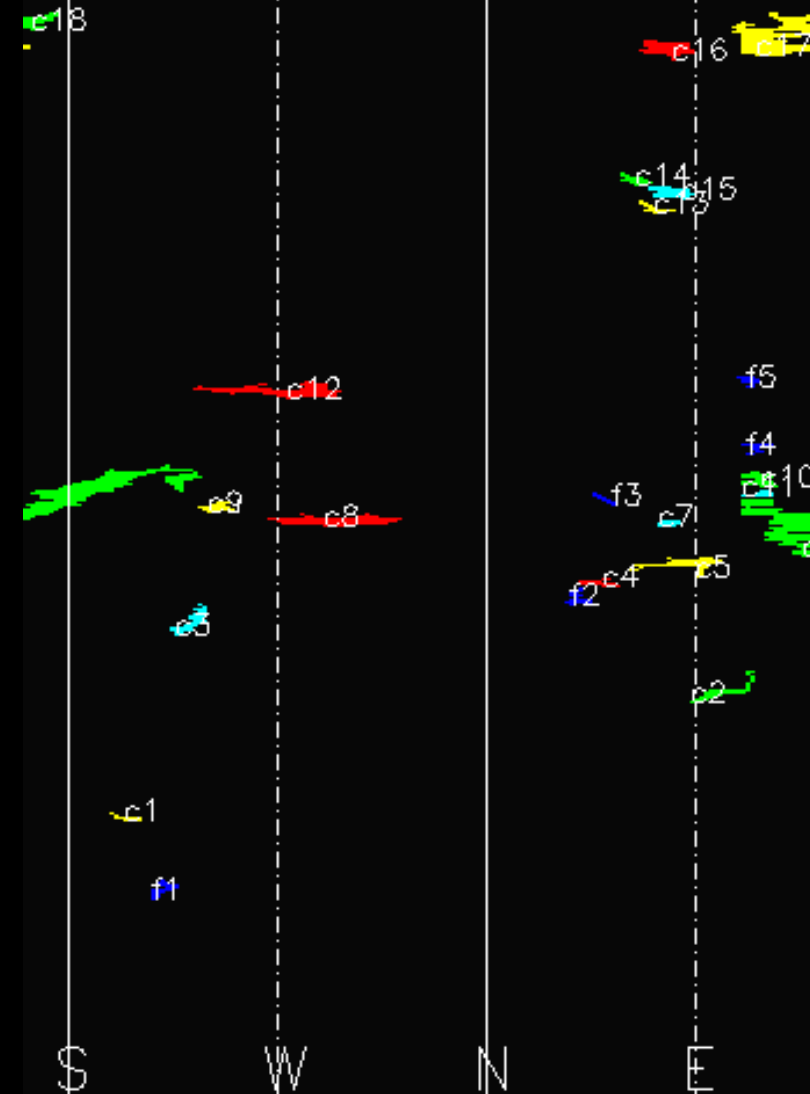
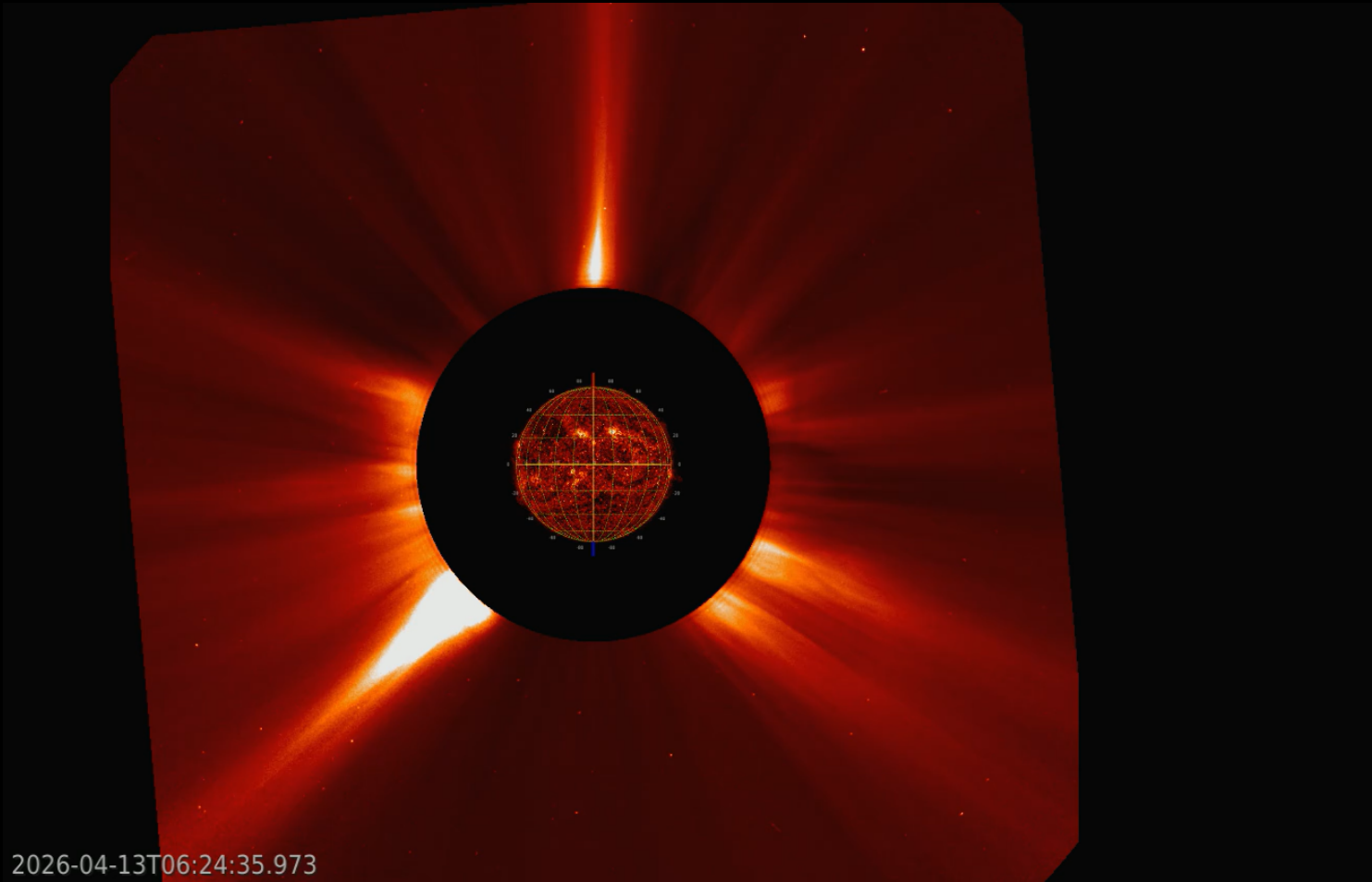
# Flaring activity



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

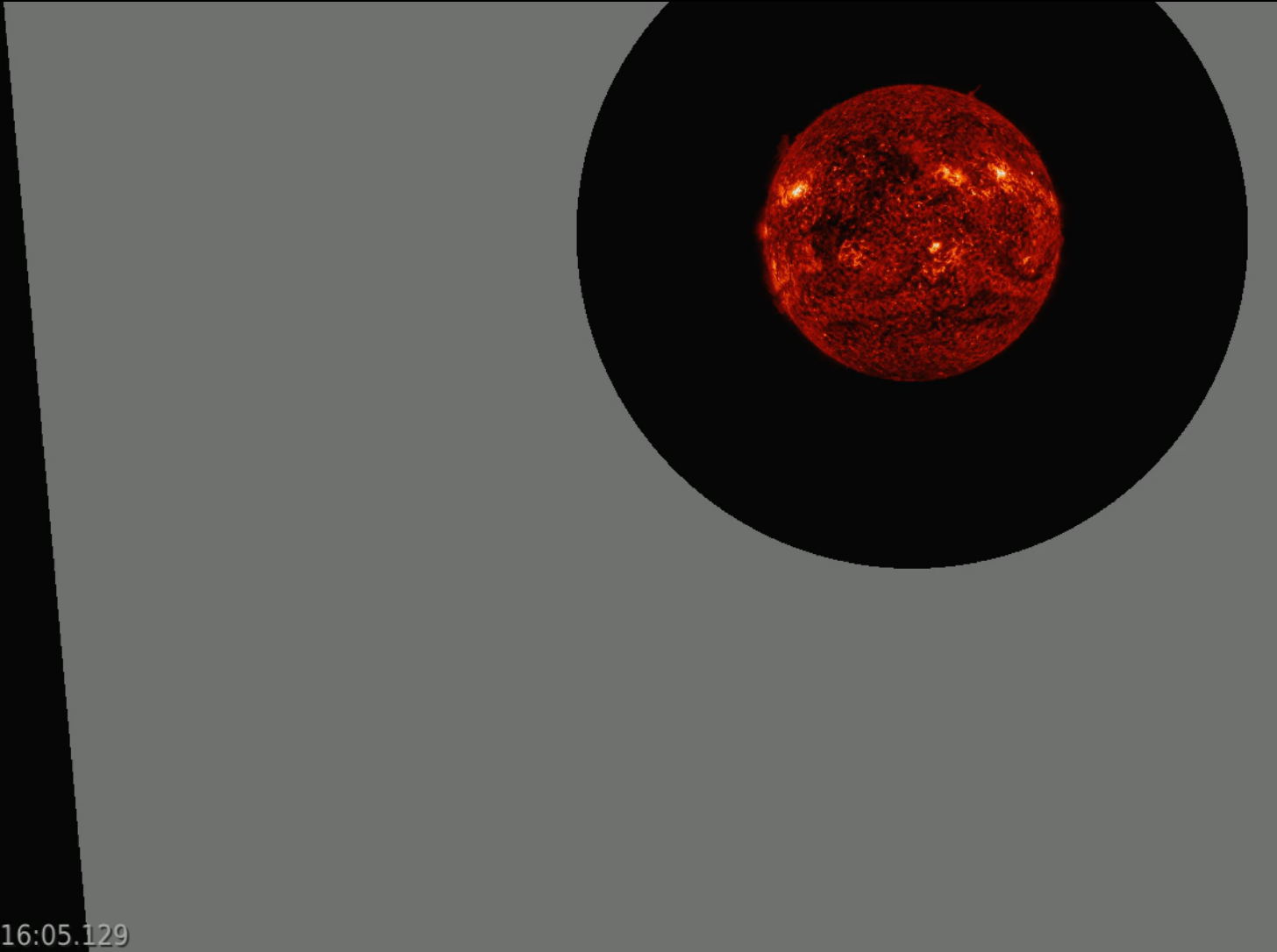
Issue date	2026-04-12	2026-04-13	2026-04-14	2026-04-15	2026-04-16	2026-04-17	2026-04-18	2026-04-19
Probability (%)	80 10 01	72 32 01	70 15 01	70 11 01	80 20 01	89 18 01	70 15 01	70 10 01
Observed (#)	01 00 00	00 00 00	00 00 00	01 00 00	05 00 00	01 00 00	00 00 00	00 00 00

# Coronal Mass Ejections



09:00	04/
06:36	04/
03:24	04/
00:00	04/
21:24	04/
18:12	04/
15:24	04/
12:12	04/
08:48	04/
05:36	04/
02:36	04/
23:12	04/
19:48	04/
16:48	04/
12:36	04/
08:48	04/
05:24	04/
02:48	04/
23:24	04/
20:00	04/
17:00	04/
13:48	04/
09:54	04/
07:00	04/
03:36	04/
00:24	04/
21:24	04/
18:36	04/
15:48	04/
12:36	04/
09:00	04/
05:48	04/
02:36	04/
23:12	04/
20:24	04/
17:12	04/
14:05	04/
09:48	04/
07:00	04/
03:24	04/
00:00	04/

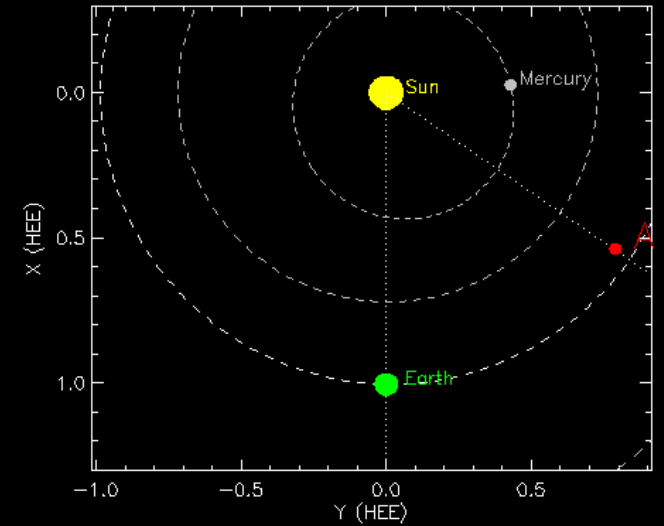
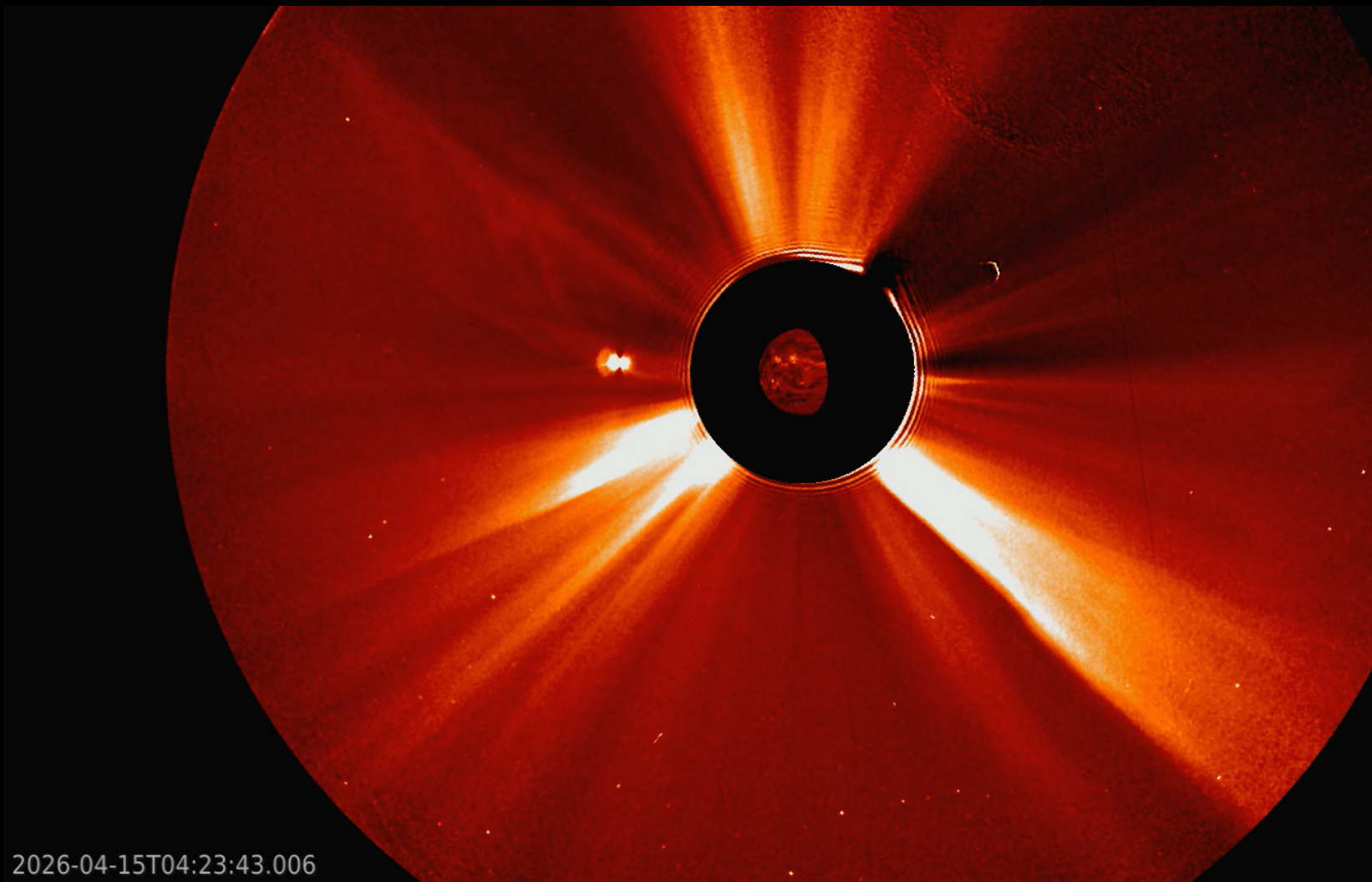
# Coronal Mass Ejection 15 April



A filament located around S30E30 erupted early on 15 April, leading to a CME seen by LASCO C2 at 09:00 UT on 15 April.

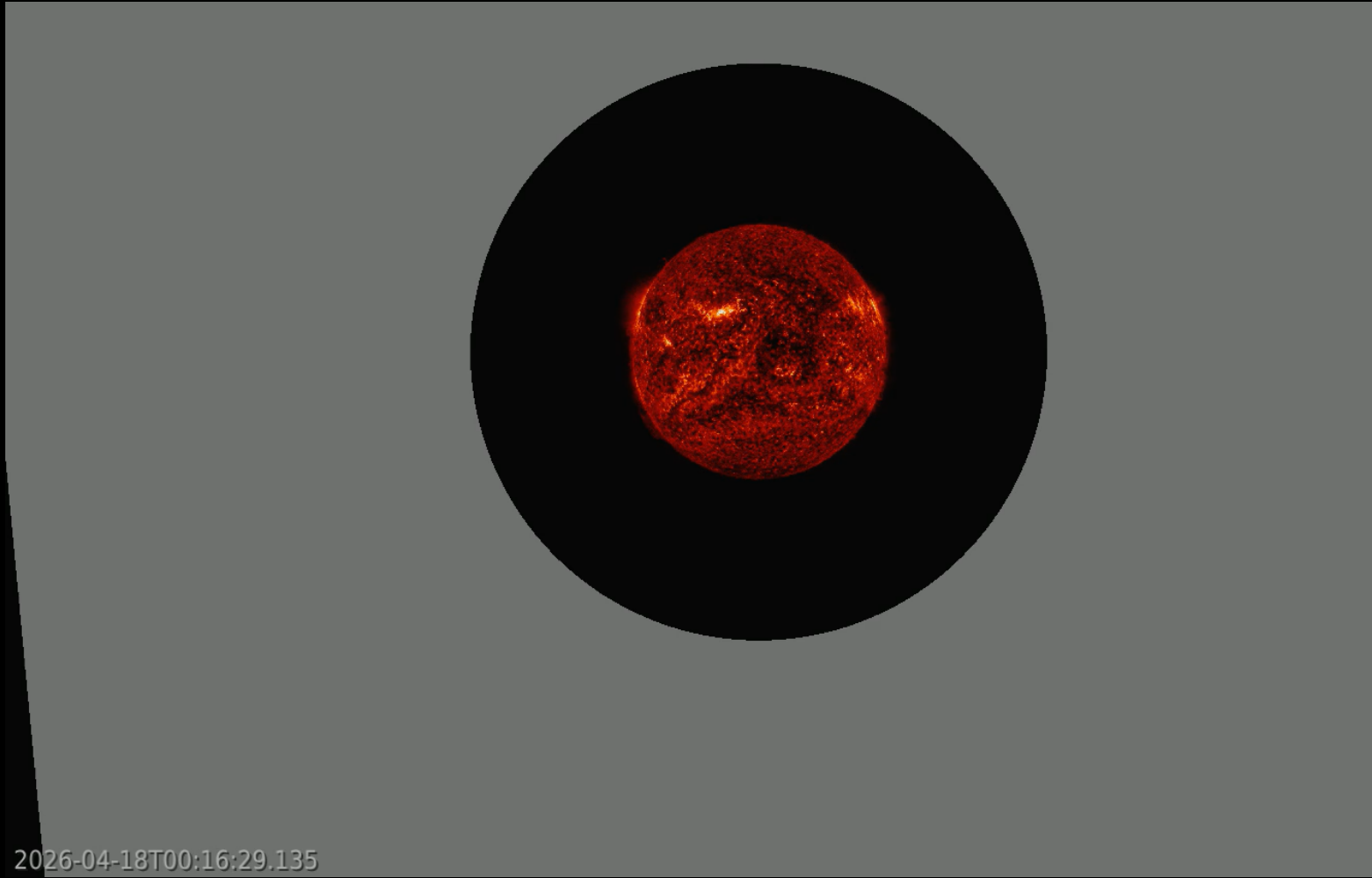
2026-04-15T04:16:05.129

# Coronal Mass Ejection 15 April



This CME is mostly directed to the south and most likely will not arrive to the Earth.

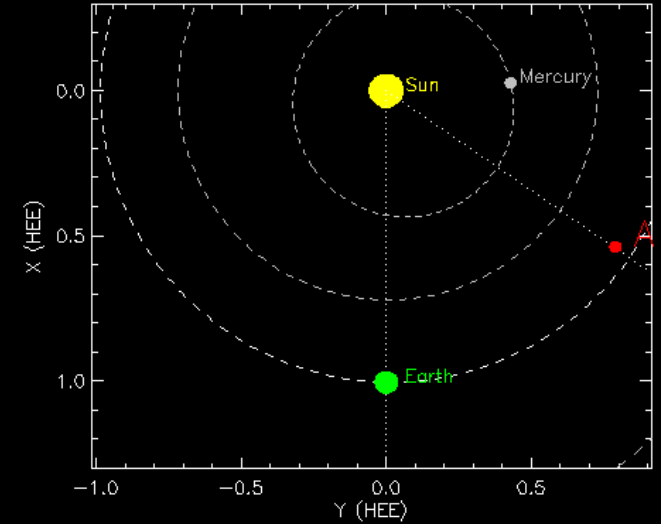
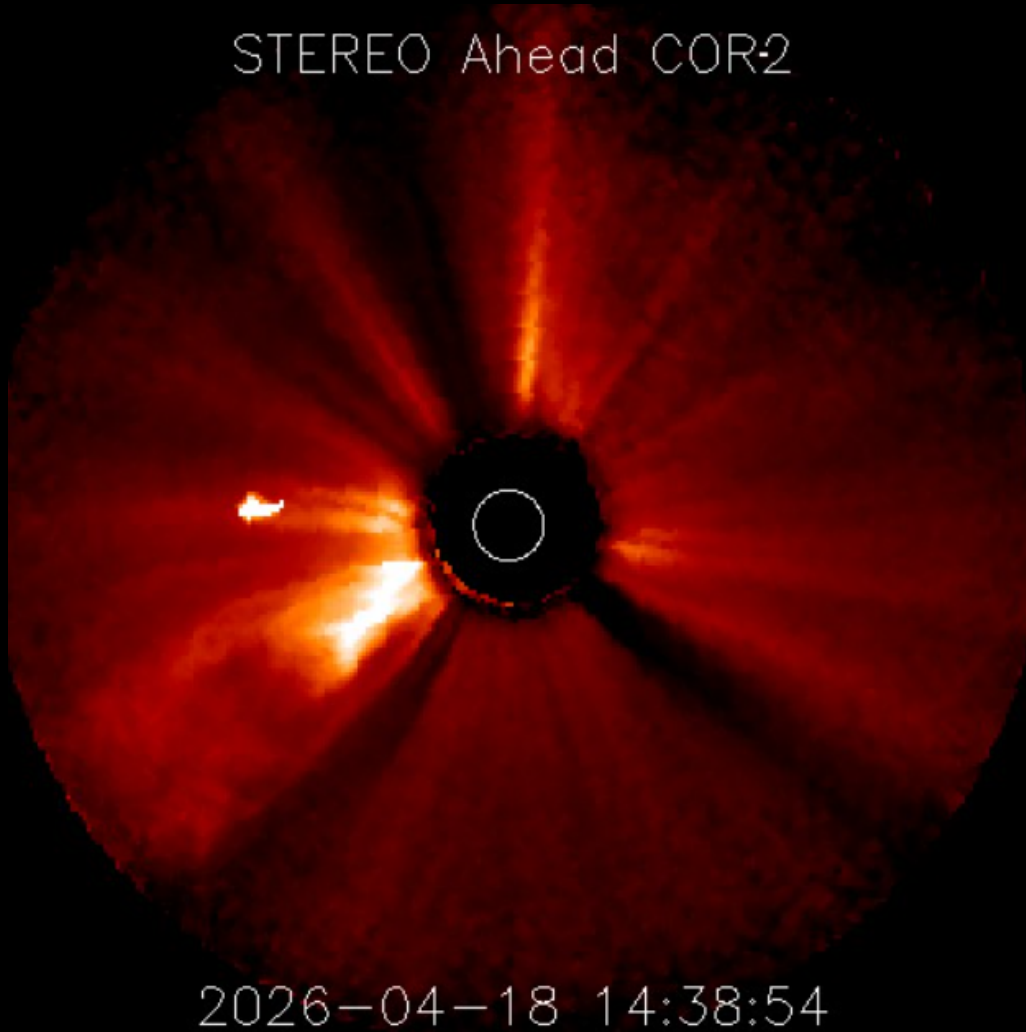
# Coronal Mass Ejections 18 April



A filament located around S30E30 erupted early on 18 April, leading to a CME seen by LASCO C2 at 09:00 UT on 18 April.

# Coronal Mass Ejections 18 April

STEREO Ahead COR2



This CME is directed to the south and most likely will not arrive to the Earth.

Solar Wind and

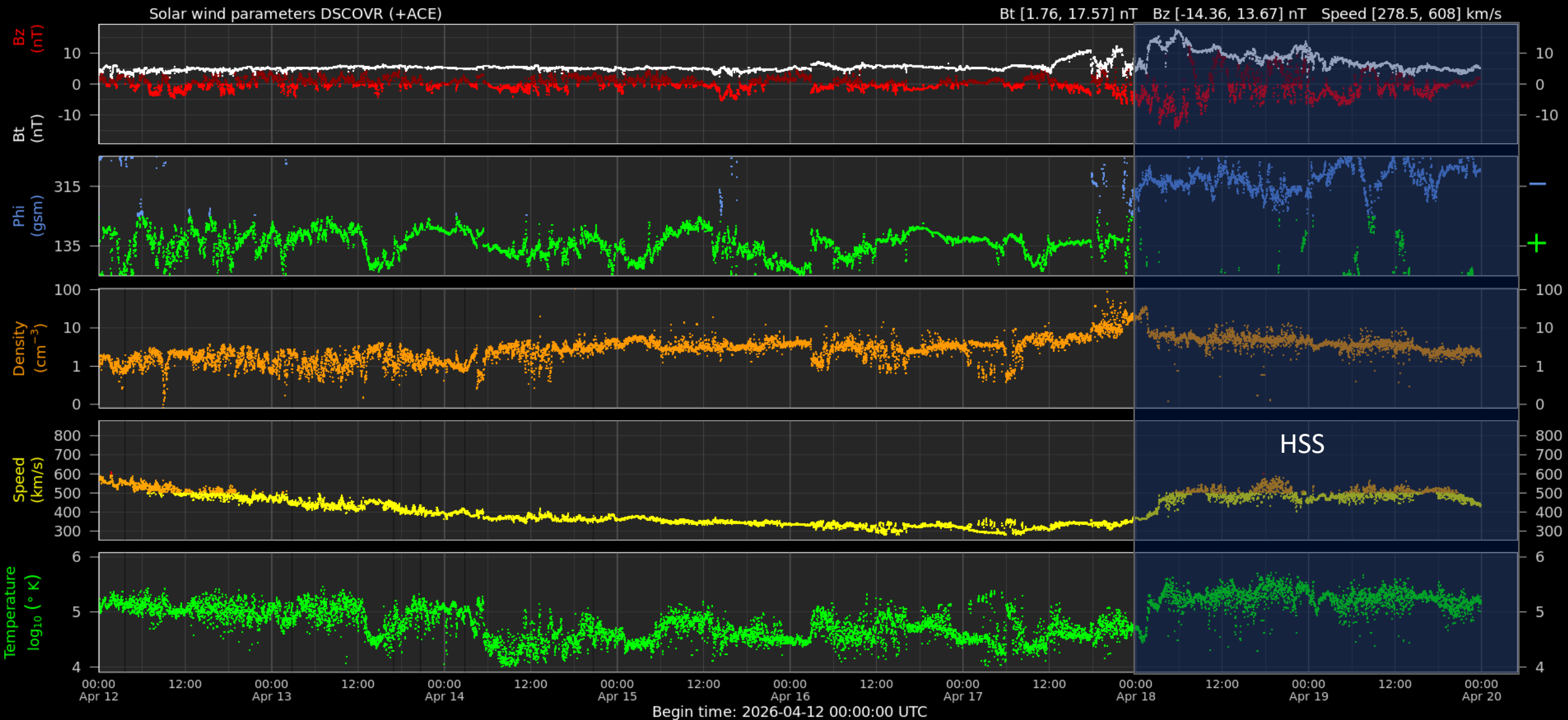
# Geomagnetic Activity



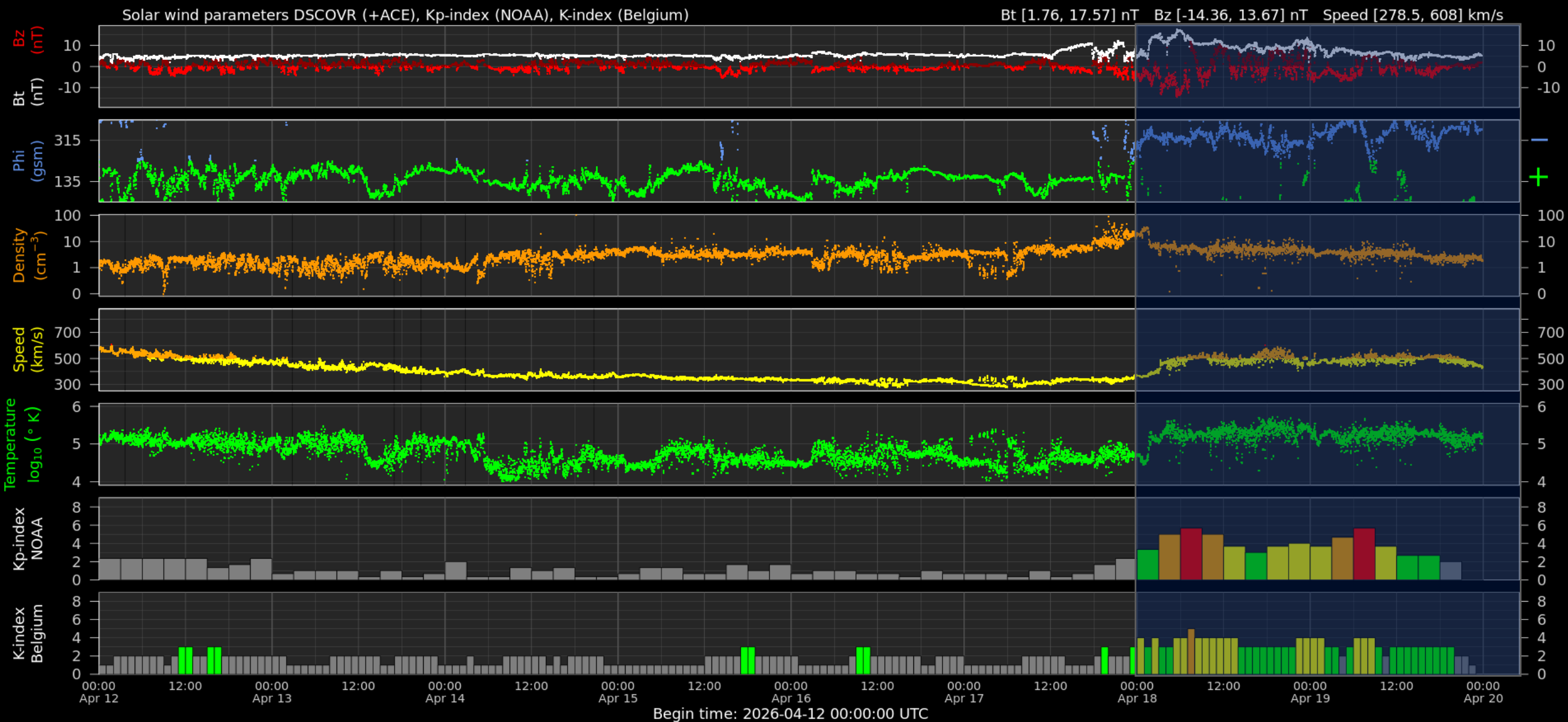
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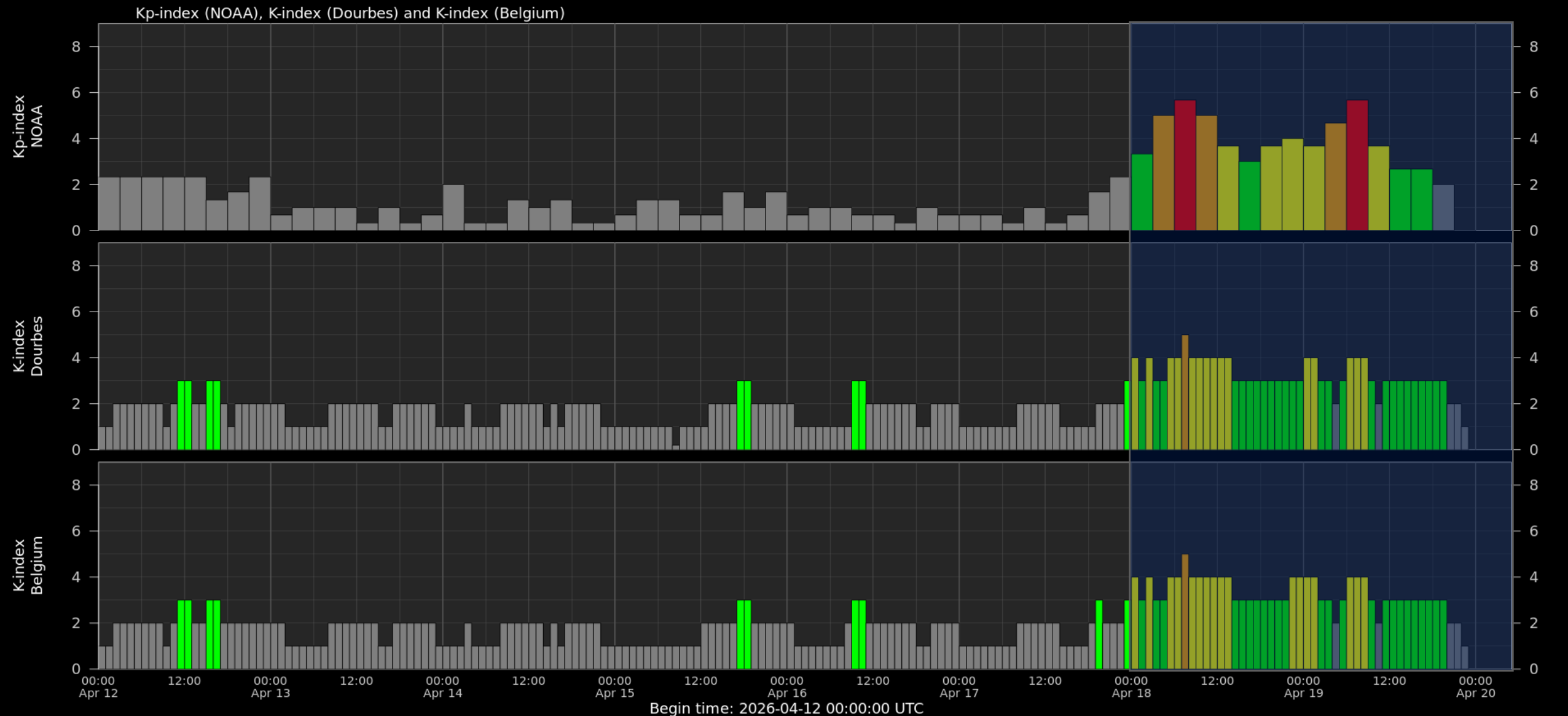
# Solar wind parameters



# Solar wind parameters & K-indices



# Geomagnetic activity (K-indexes)



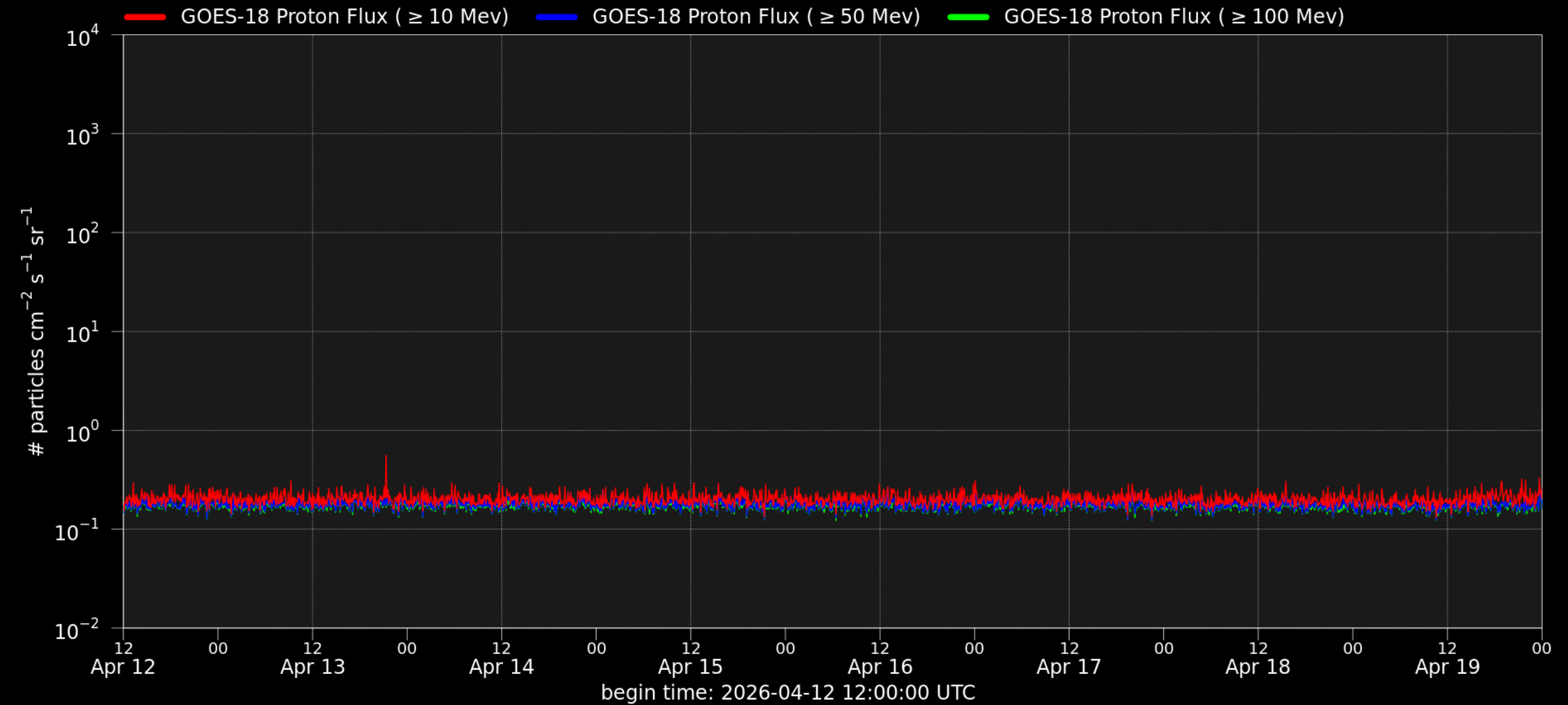
# Energetic Particles



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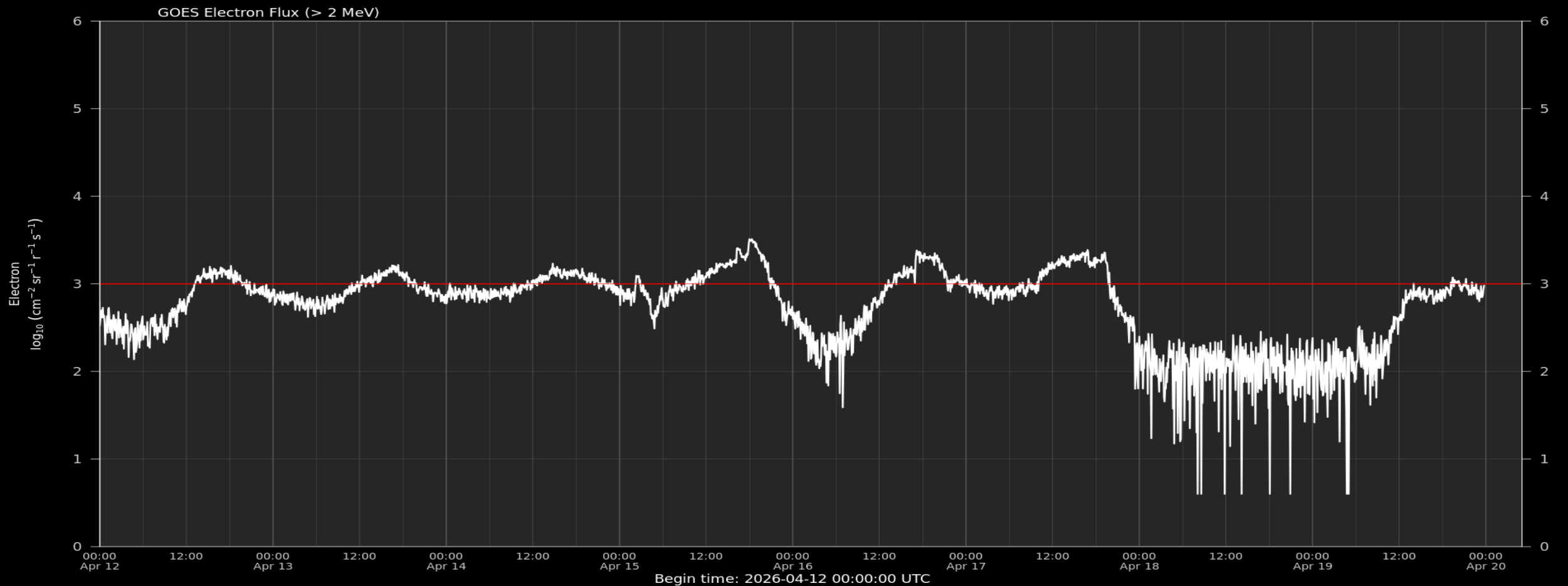
# Solar proton flux



# Electron flux at GEO

[www.stce.be/educational/classification#electrons](http://www.stce.be/educational/classification#electrons)

[www.spaceweather.gc.ca/forecast-prevision/space-spatiale/sffl-en.php](http://www.spaceweather.gc.ca/forecast-prevision/space-spatiale/sffl-en.php)



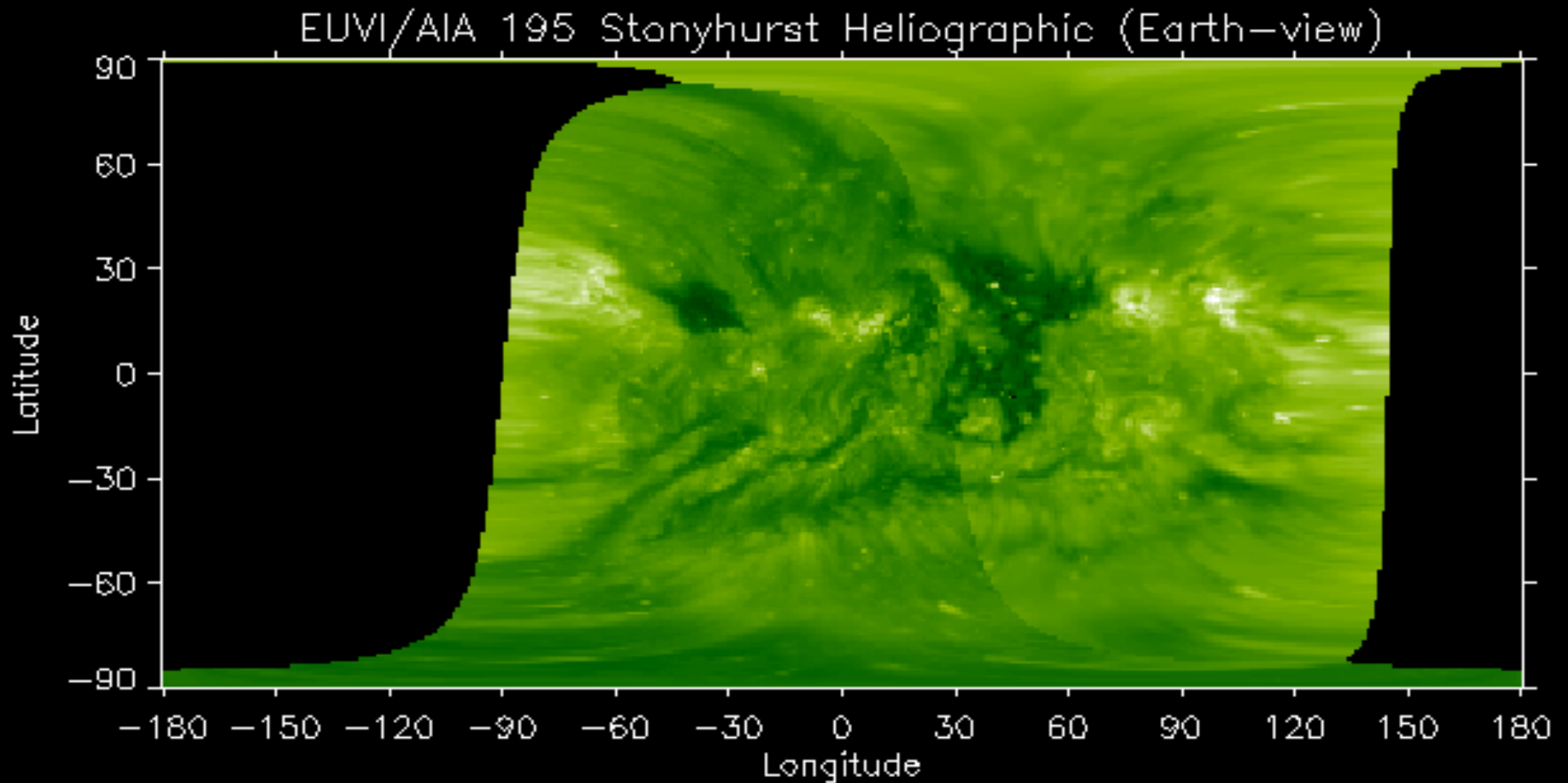
# Outlook



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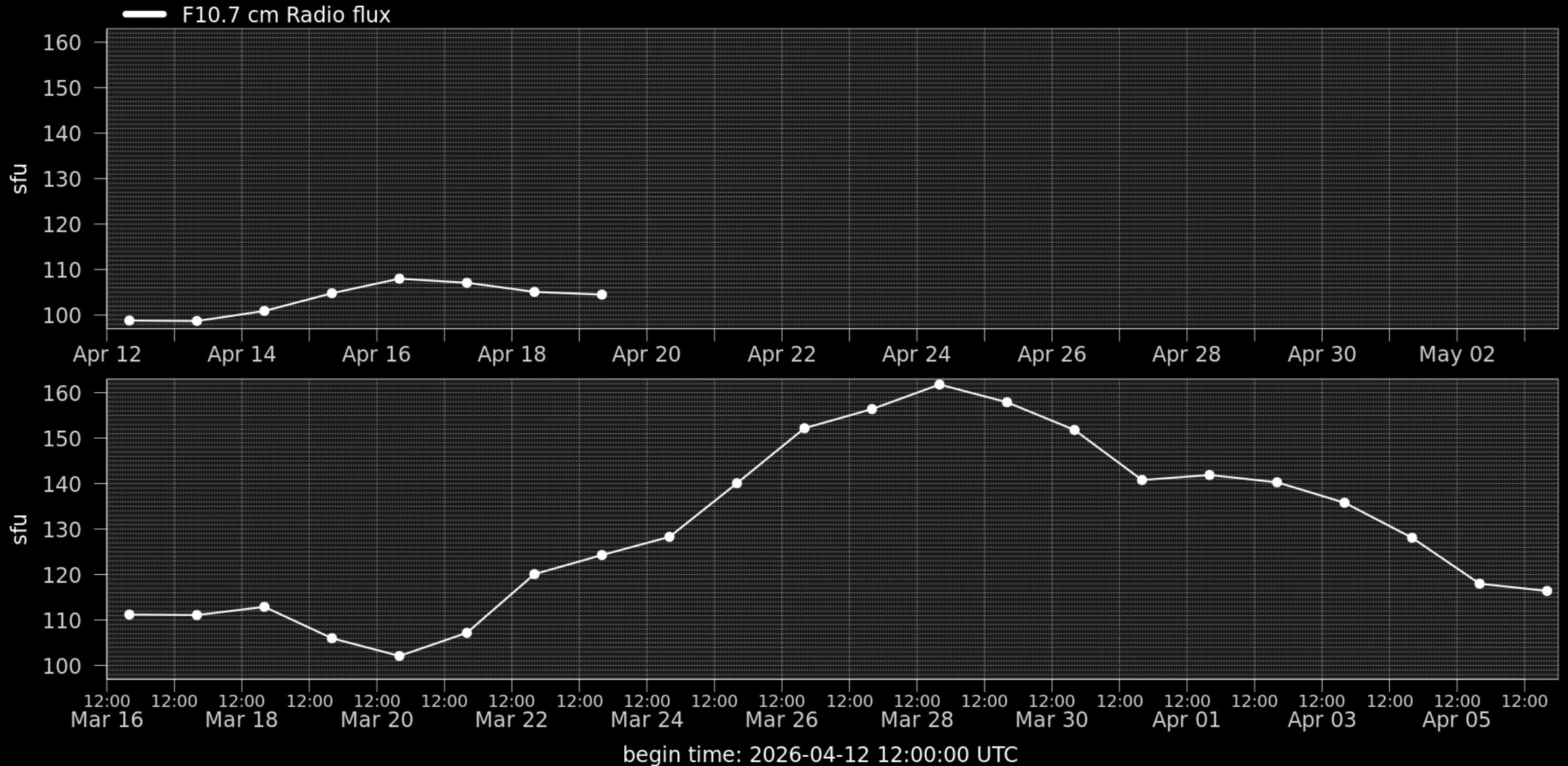
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# Outlook: Solar activity

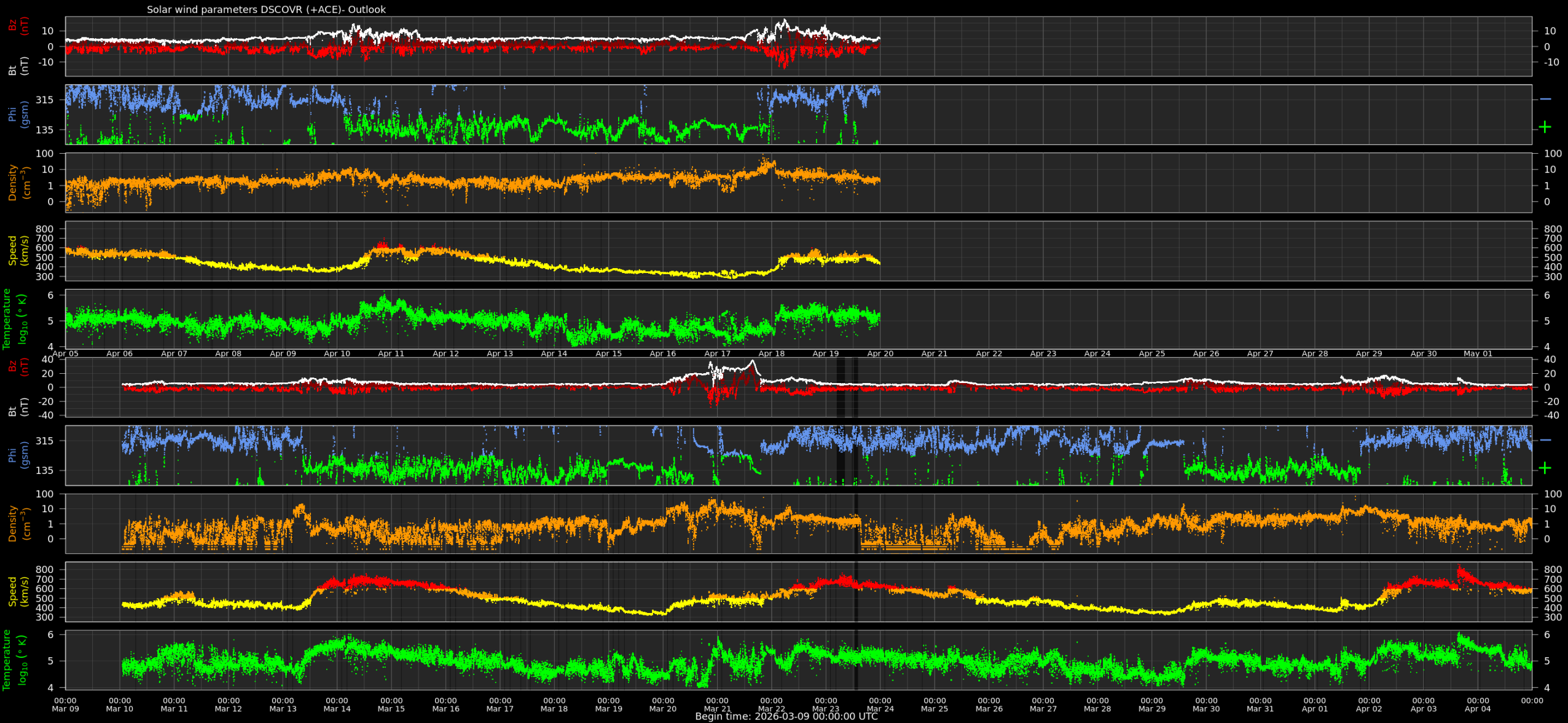


Observation date: 2026/04/19 20:05:00

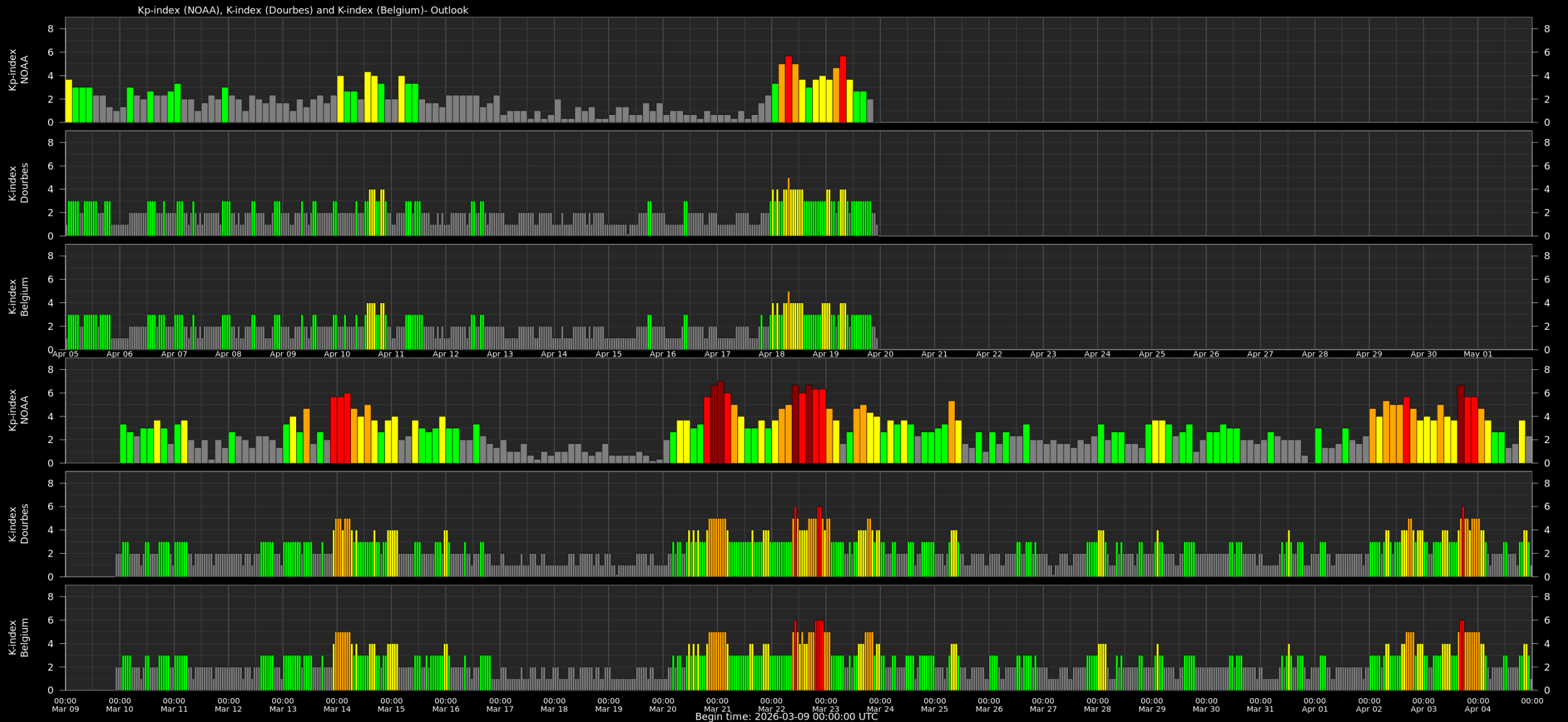
# Outlook: Solar F10.7cm radio flux



# Outlook: Solar wind parameters



# Outlook: Geomagnetic activity



PECASUS



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# Pecarus related events

GNSS: Scintillation advisories sent

HF: PSD advisories sent

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