SIDC Space Weather Briefing

02 December 2018 - 09 December 2018

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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 2018-12-02 12:00 UT to 2018-12-09 12:00 UT

Active regions	AR 2729 (small bipolar)
Flaring	# B-class flare: 8 # C-class flare: 0 # M-class flare: 0 # X-class flare: 0
Filaments	/
CMEs	/
Proton Events	/

Solar wind and geomagnetic conditions from 2018-12-02 12:00 UT to 2018-12-09 12:00 UT

Coronal Holes	November-27 & December-04
ICME	/
SW Conditions	500 km/s (December-03) & 600 km/s (December-08)
K-indices	max K-index (Dourbes): 4.0 max Kp-index (NOAA): 4

All Quiet Alert: Text and Color to be included

Solar Activity

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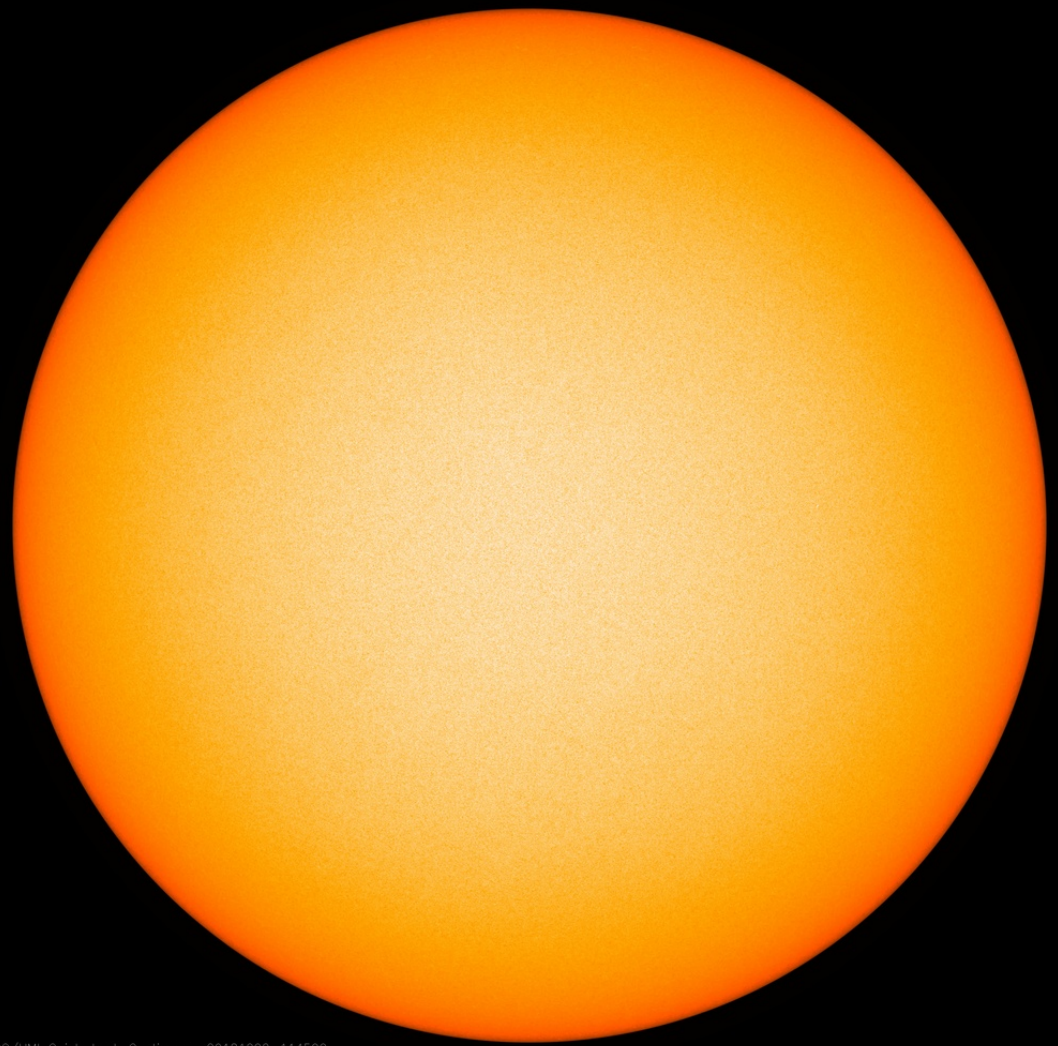
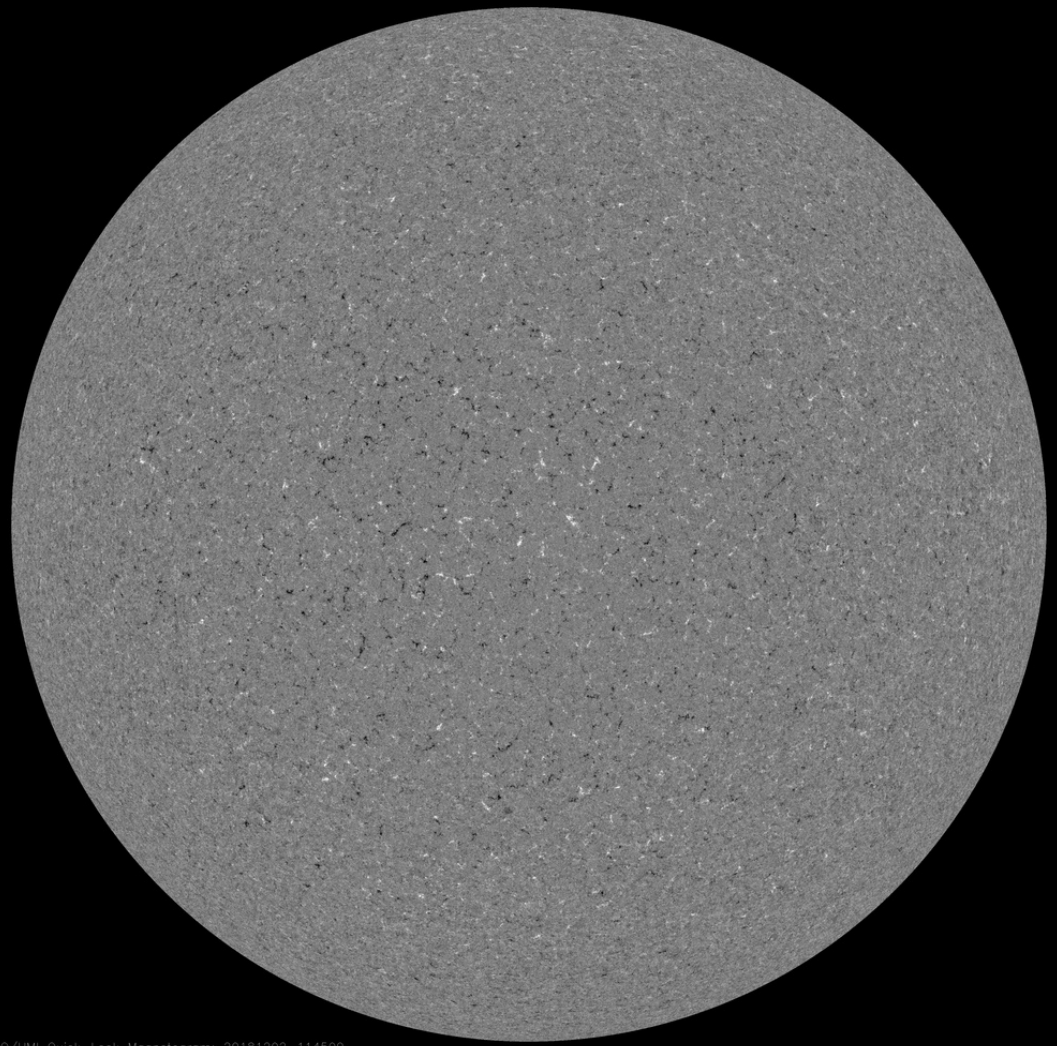
Solar active region - start of the week

SDO/HMI White Light 2018-12-02

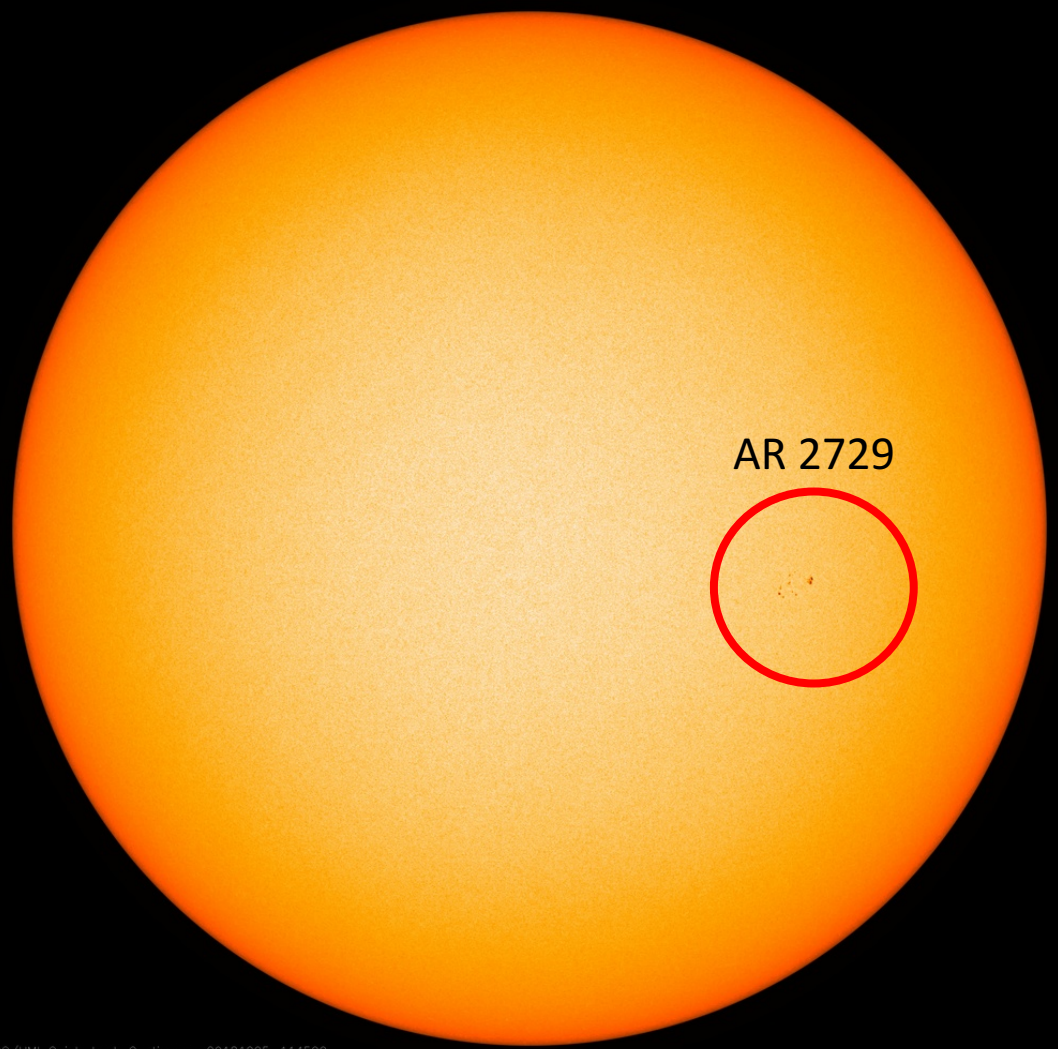


SDO/HMI Magnetogram 2018-12-02

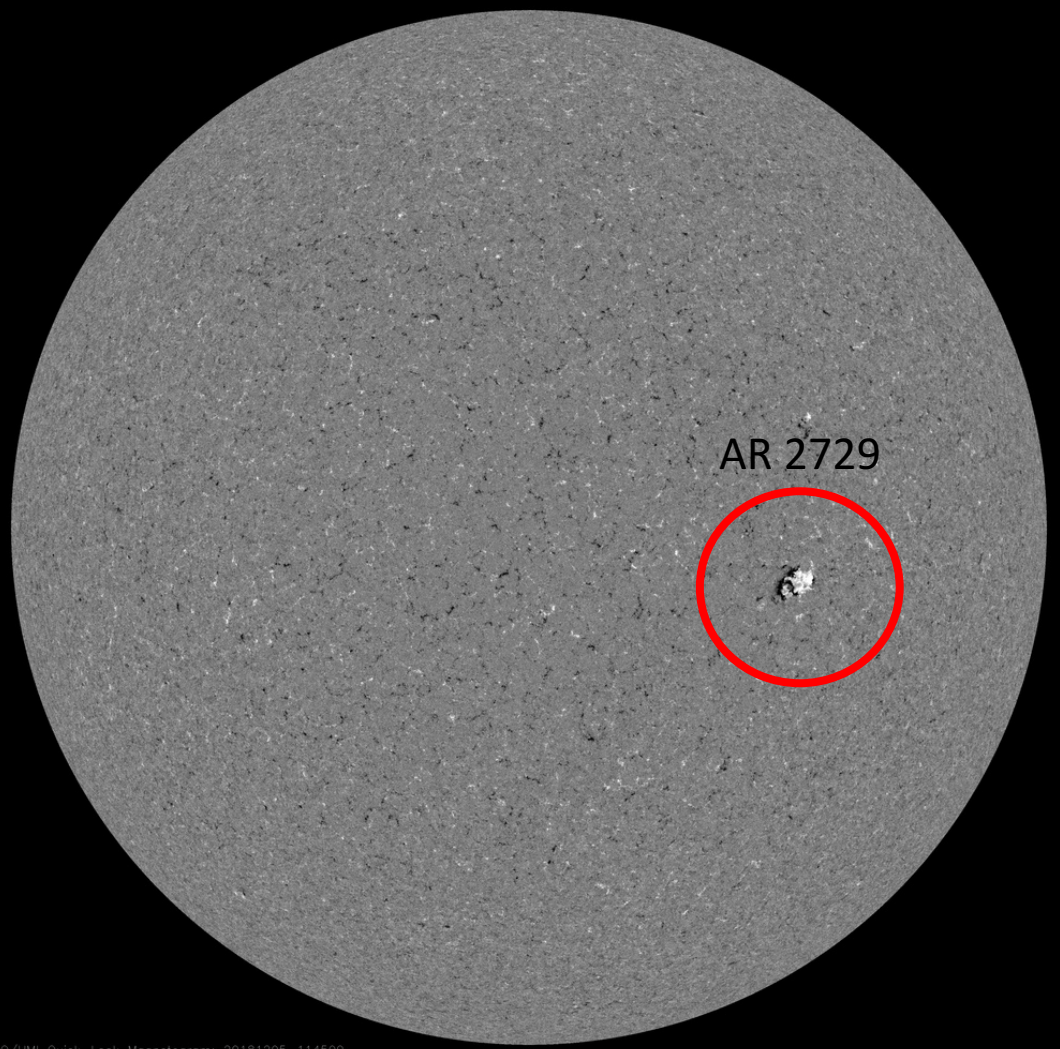


Solar active region - middle of the week

SDO/HMI White Light 2018-12-05

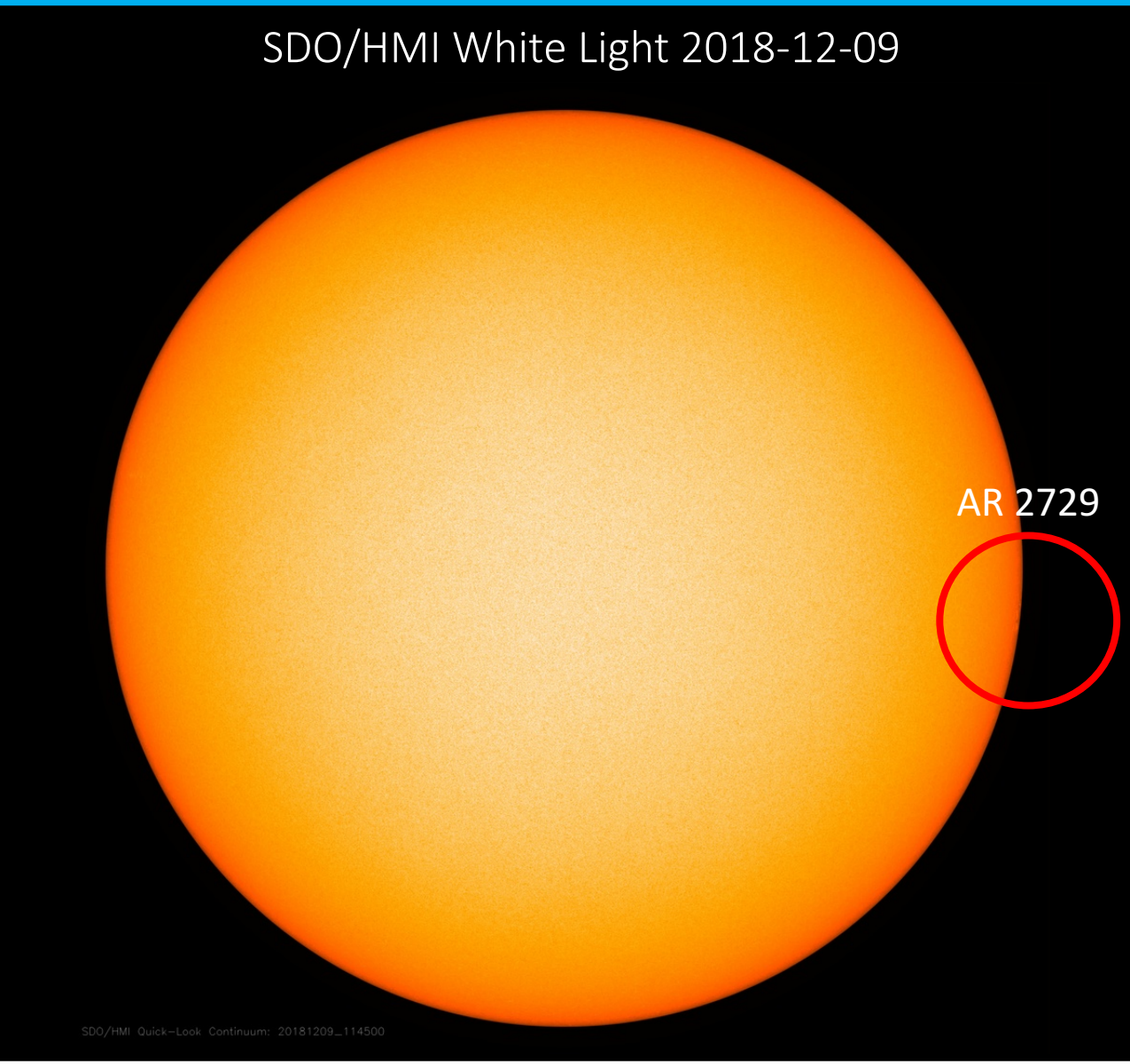


SDO/HMI Magnetogram 2018-12-05

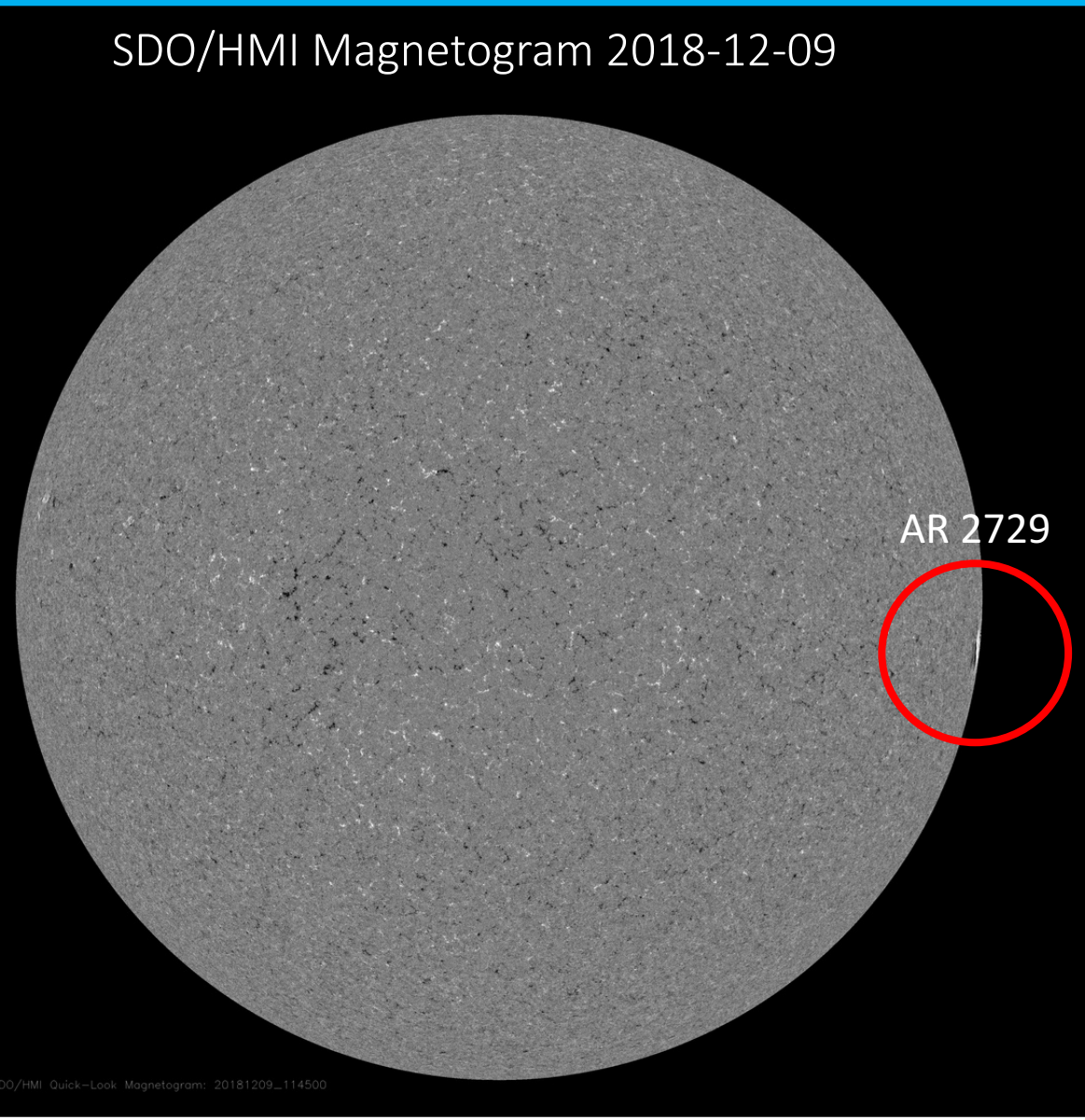


Solar active region - end of the week

SDO/HMI White Light 2018-12-09

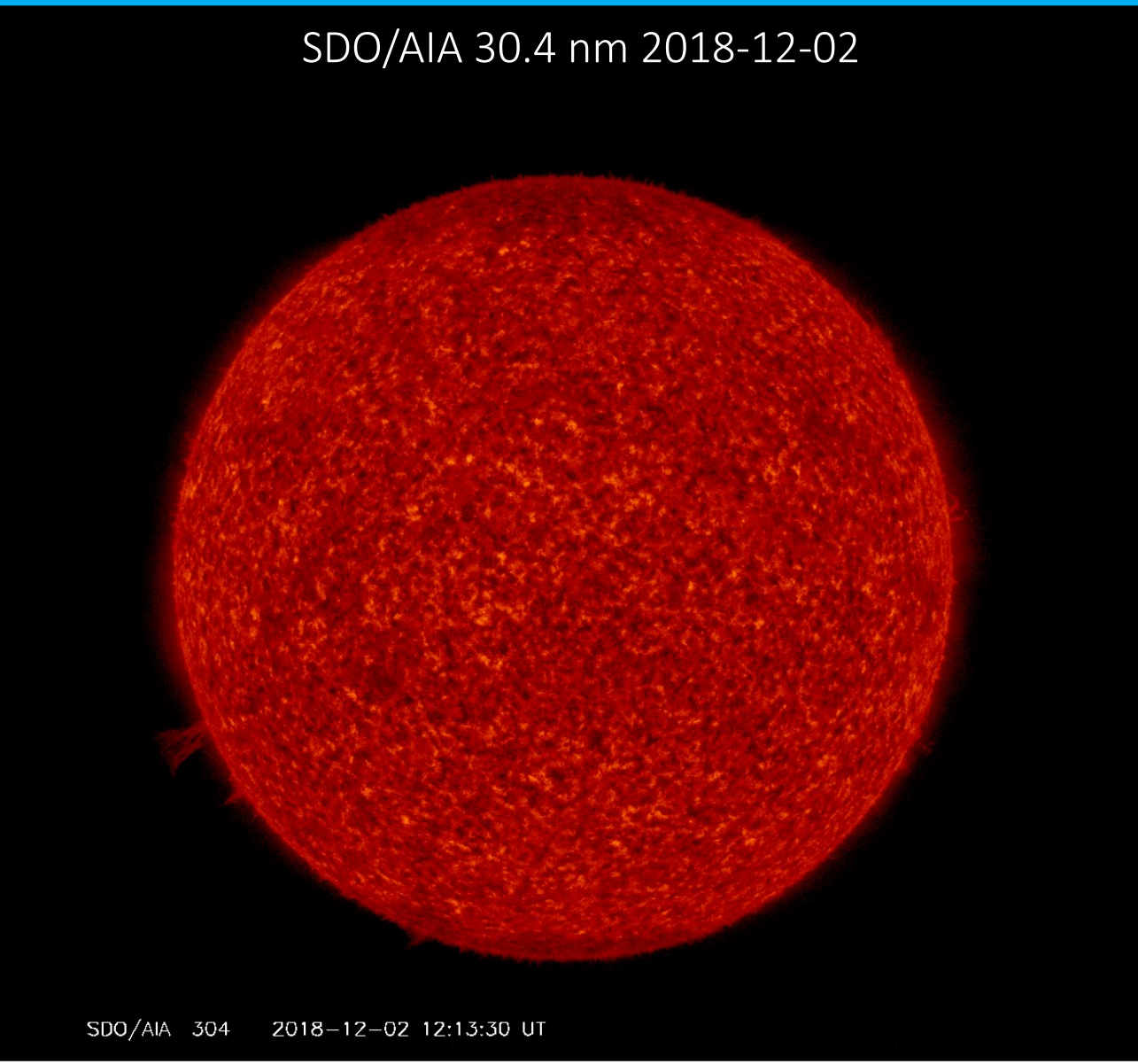


SDO/HMI Magnetogram 2018-12-09

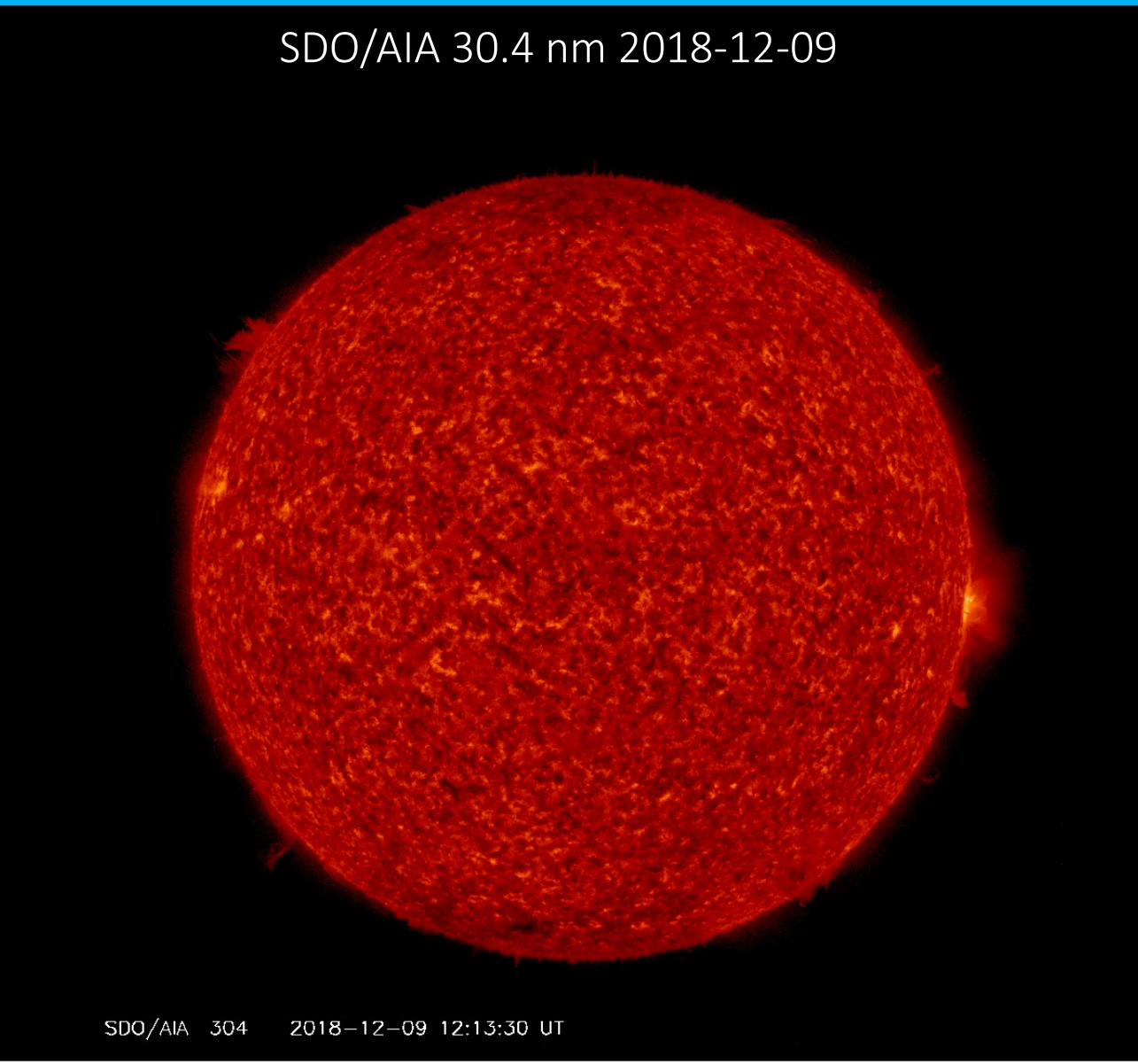


Solar active region & Filament

SDO/AIA 30.4 nm 2018-12-02

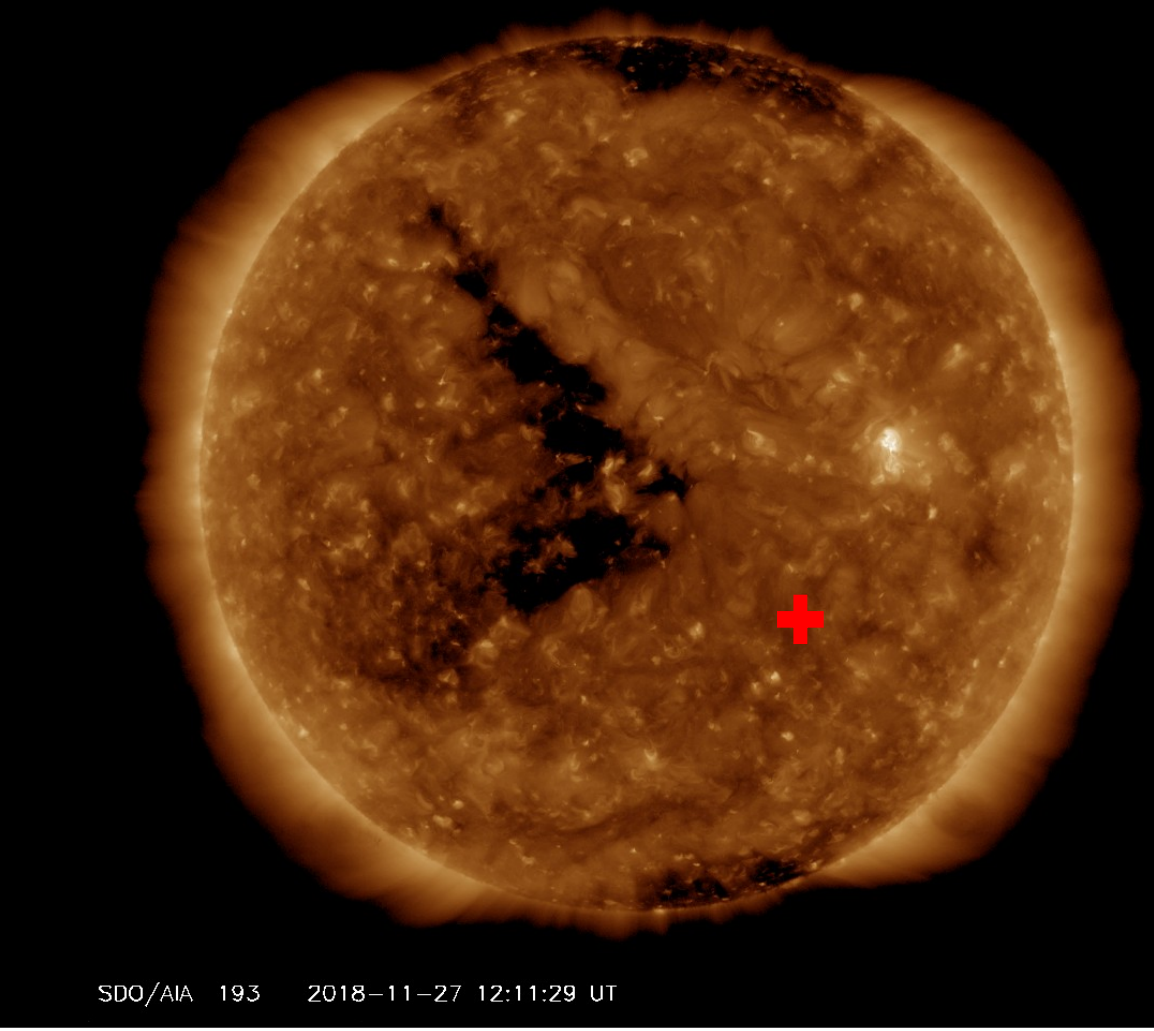


SDO/AIA 30.4 nm 2018-12-09

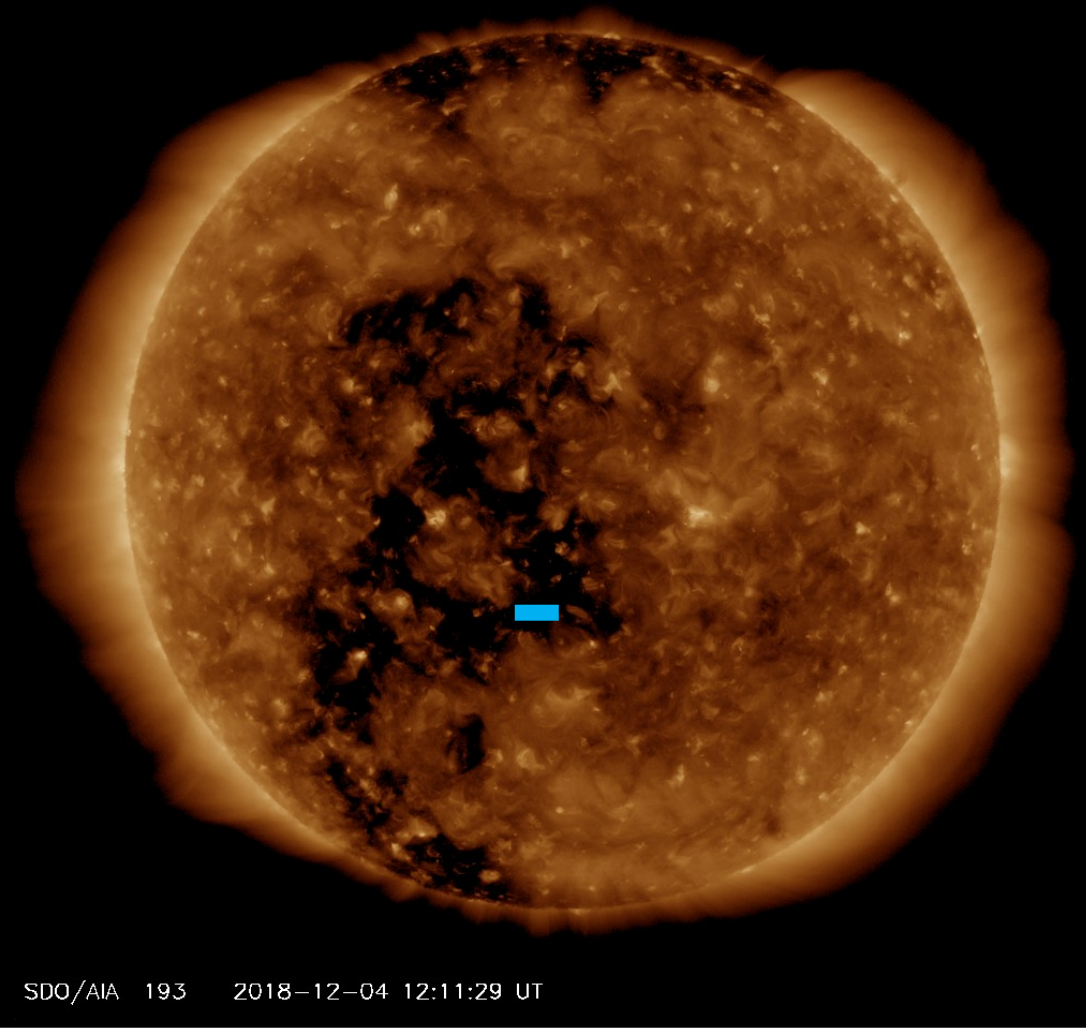


Solar active region & Coronal hole

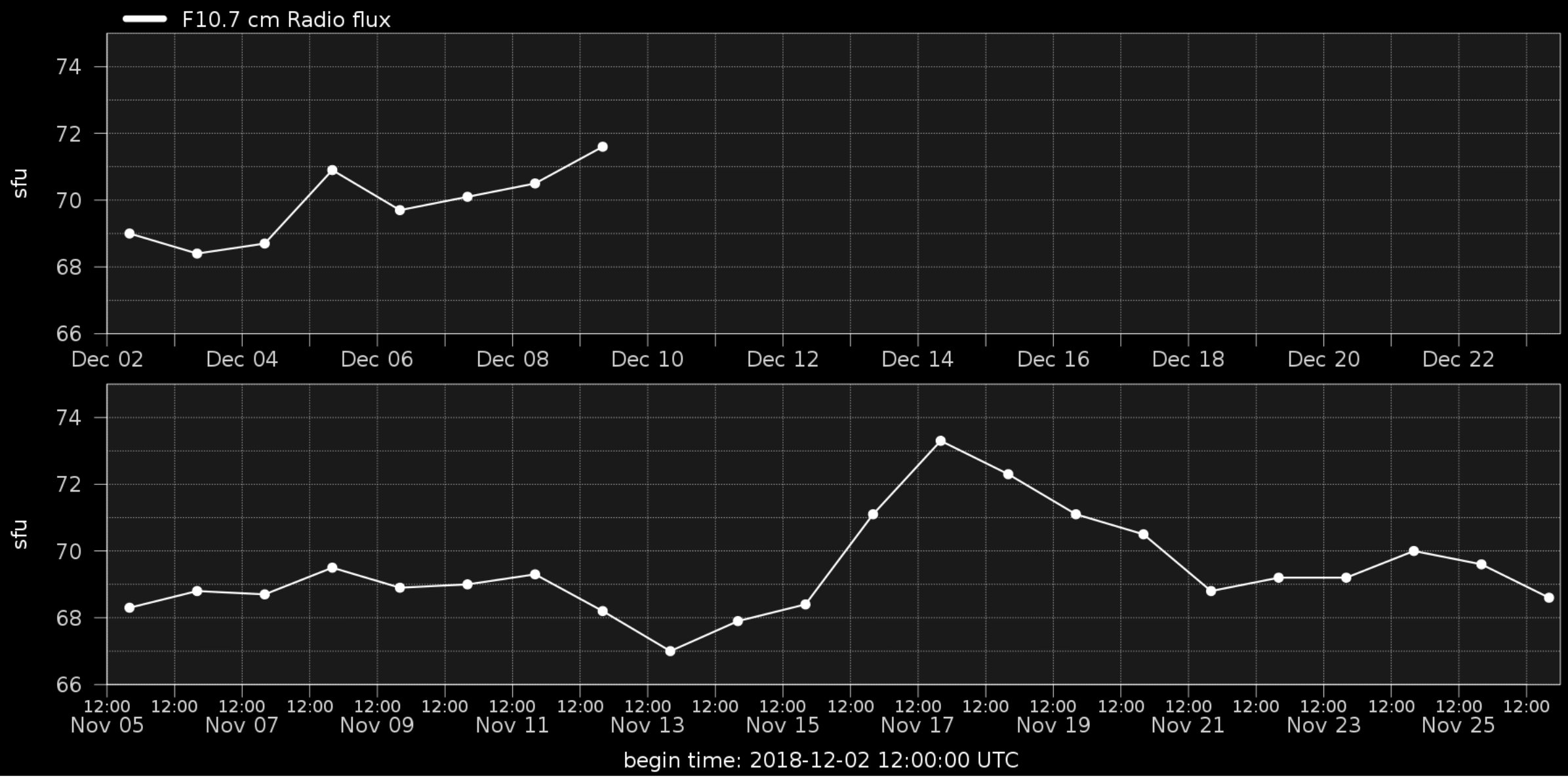
SDO/AIA 19.3 nm 2018-11-27



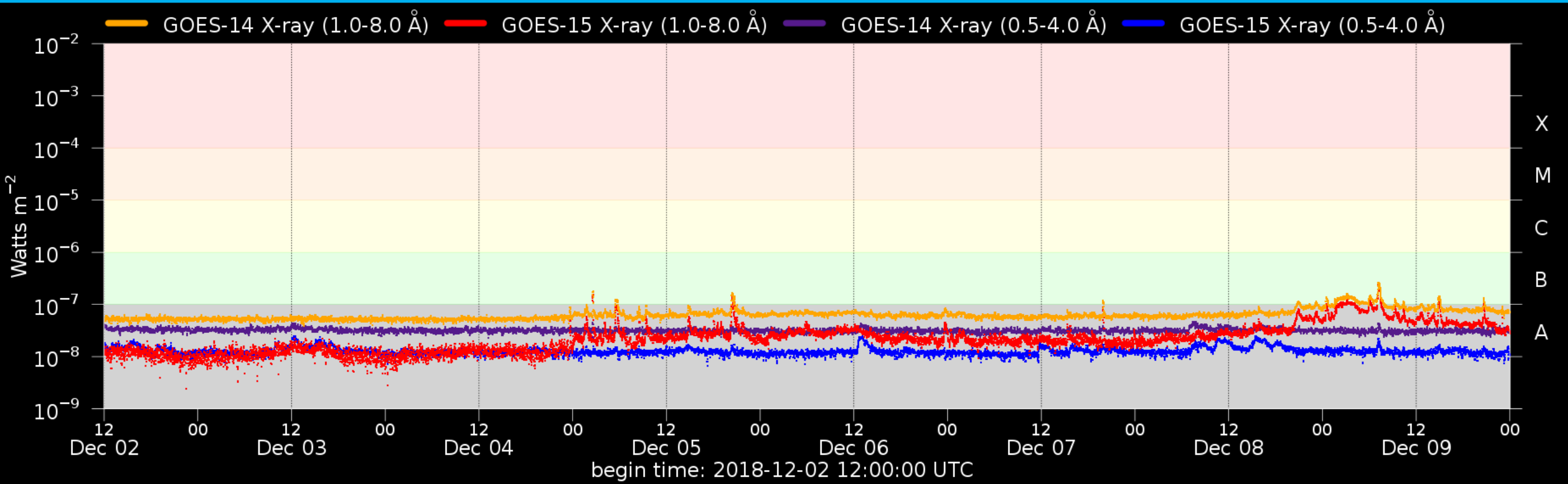
SDO/AIA 19.3 nm 2018-12-04



Solar F10.7cm radio flux



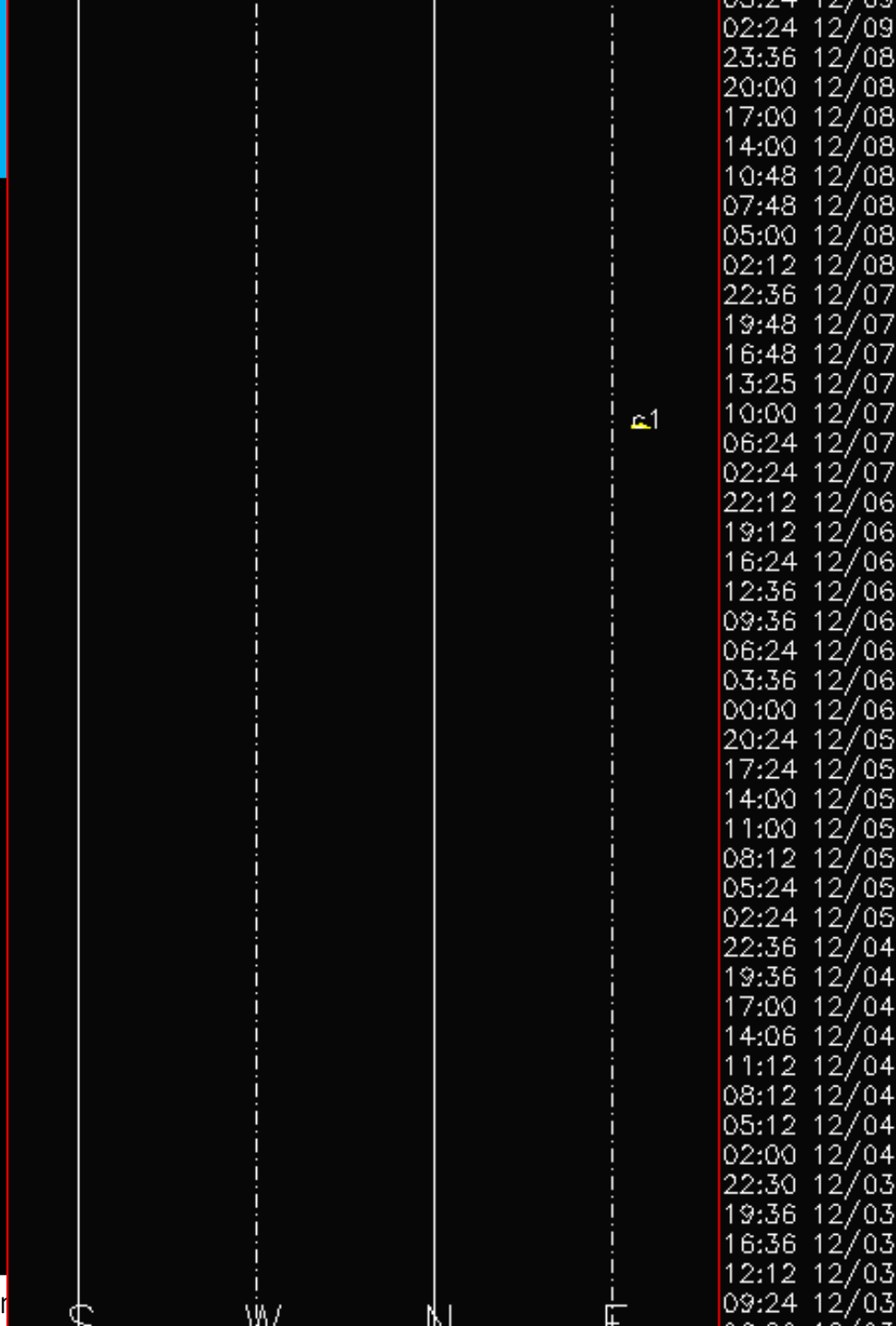
Flaring activity



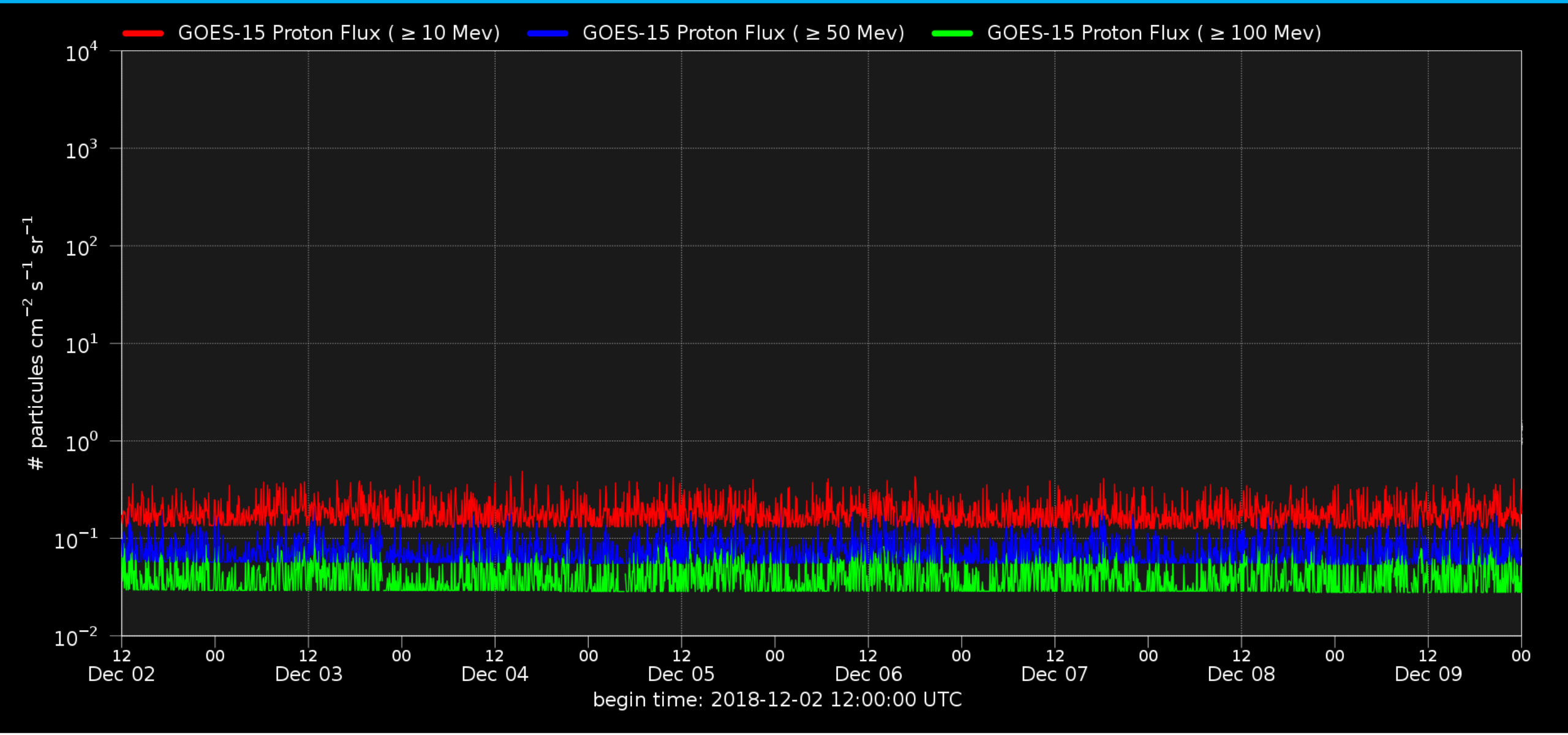
Probabilities (%) and occurrences (#) of B/C/M/X-flares issued at 12:30 and over the next 24h:

Issue date	2018-12-02	2018-12-03	2018-12-04	2018-12-05	2018-12-06	2018-12-07	2018-12-08	2018-12-09
Probability	---|01|01|01	---|01|01|01	---|01|01|01	---|30|01|01	---|10|01|01	---|05|01|01	---|05|01|01	---|05|01|01
Observed	00|00|00|00	00|00|00|00	01|00|00|00	02|00|00|00	00|00|00|00	00|00|00|00	02|00|00|00	03|00|00|00

Coronal Mass Ejection



Solar proton flux



Solar Wind and Geomagnetic Activity

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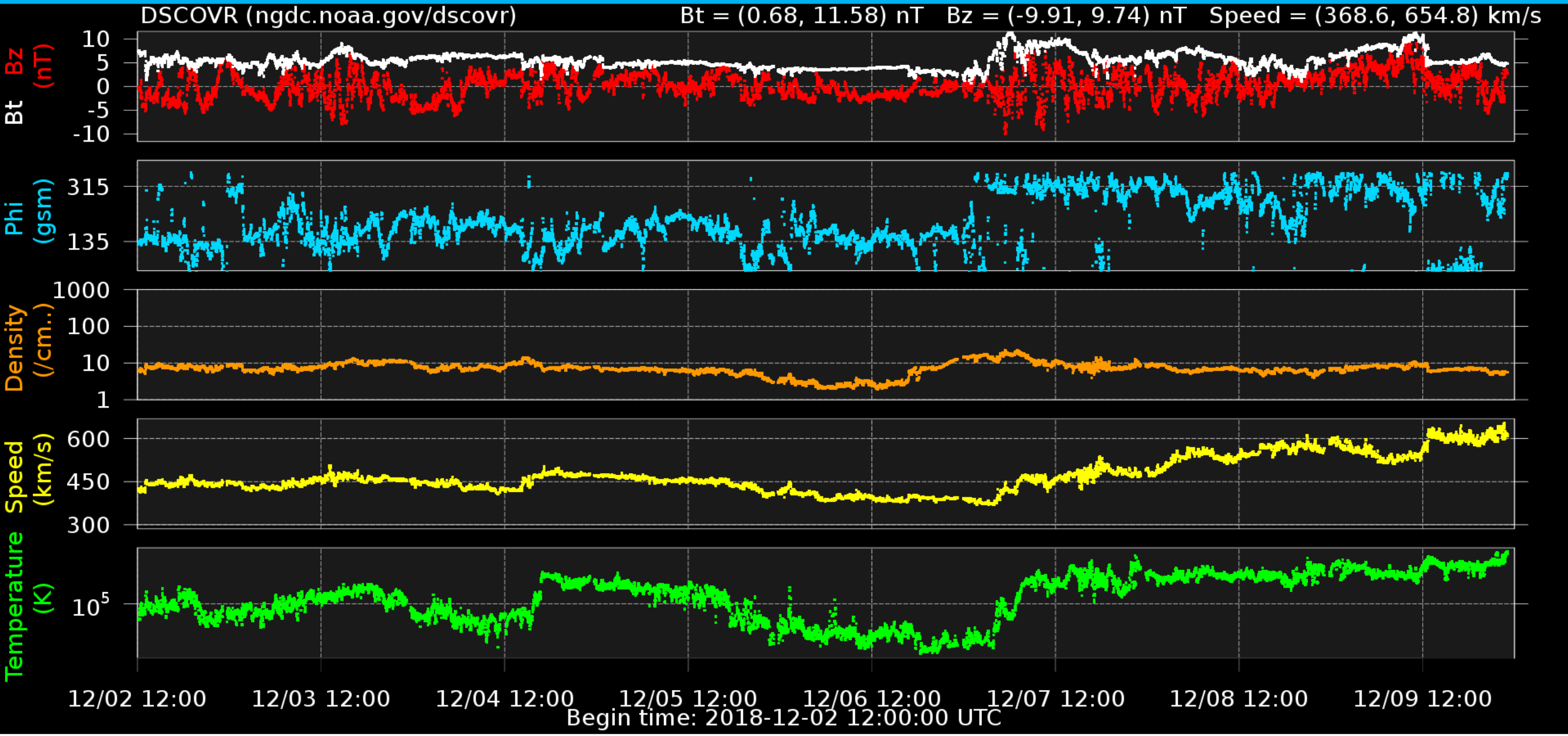
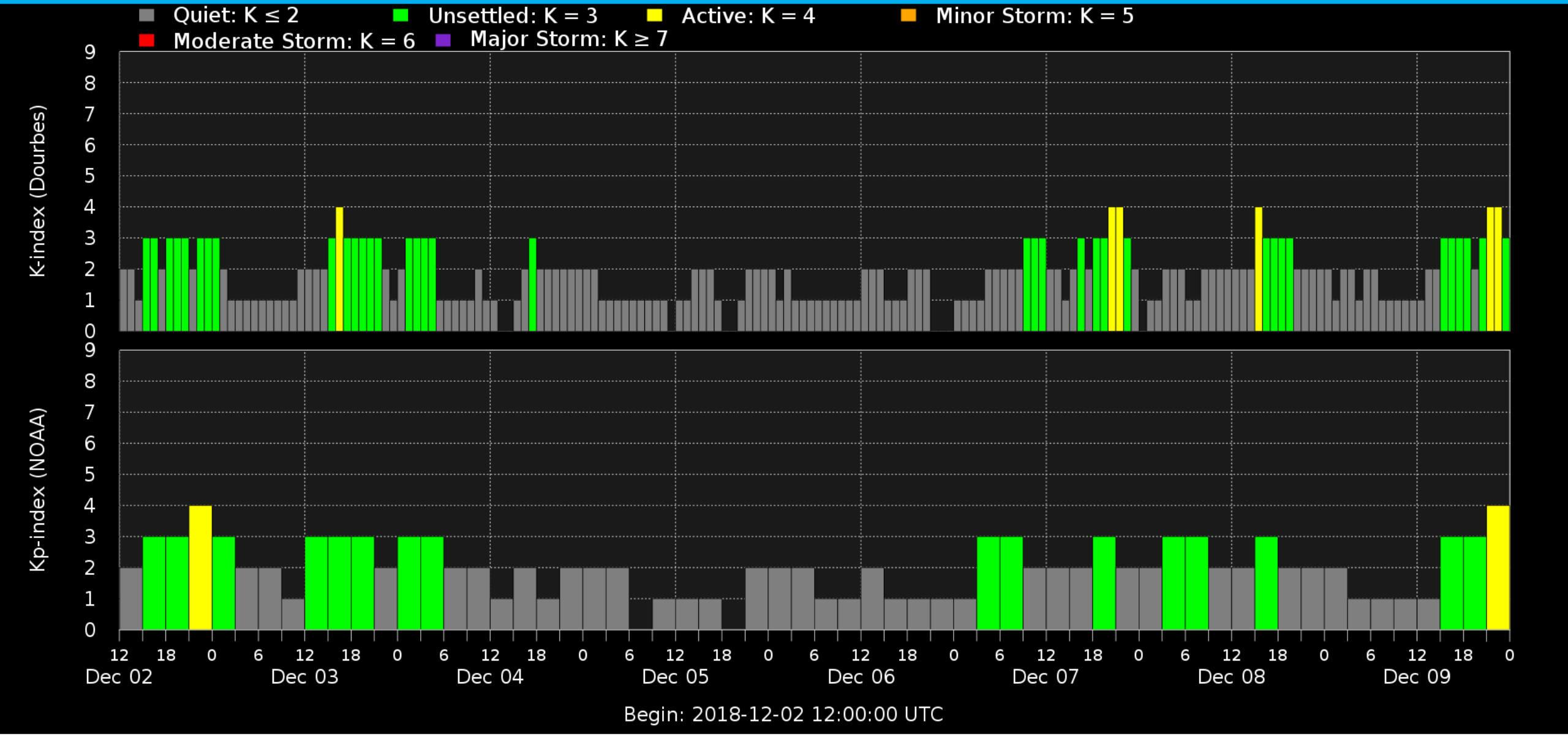
Solar wind parameters (DSCOVR data)



Solar wind parameters & K-index (DSCOVR/Dourbes)

Geomagnetic activity (K-indexes)



Outlook

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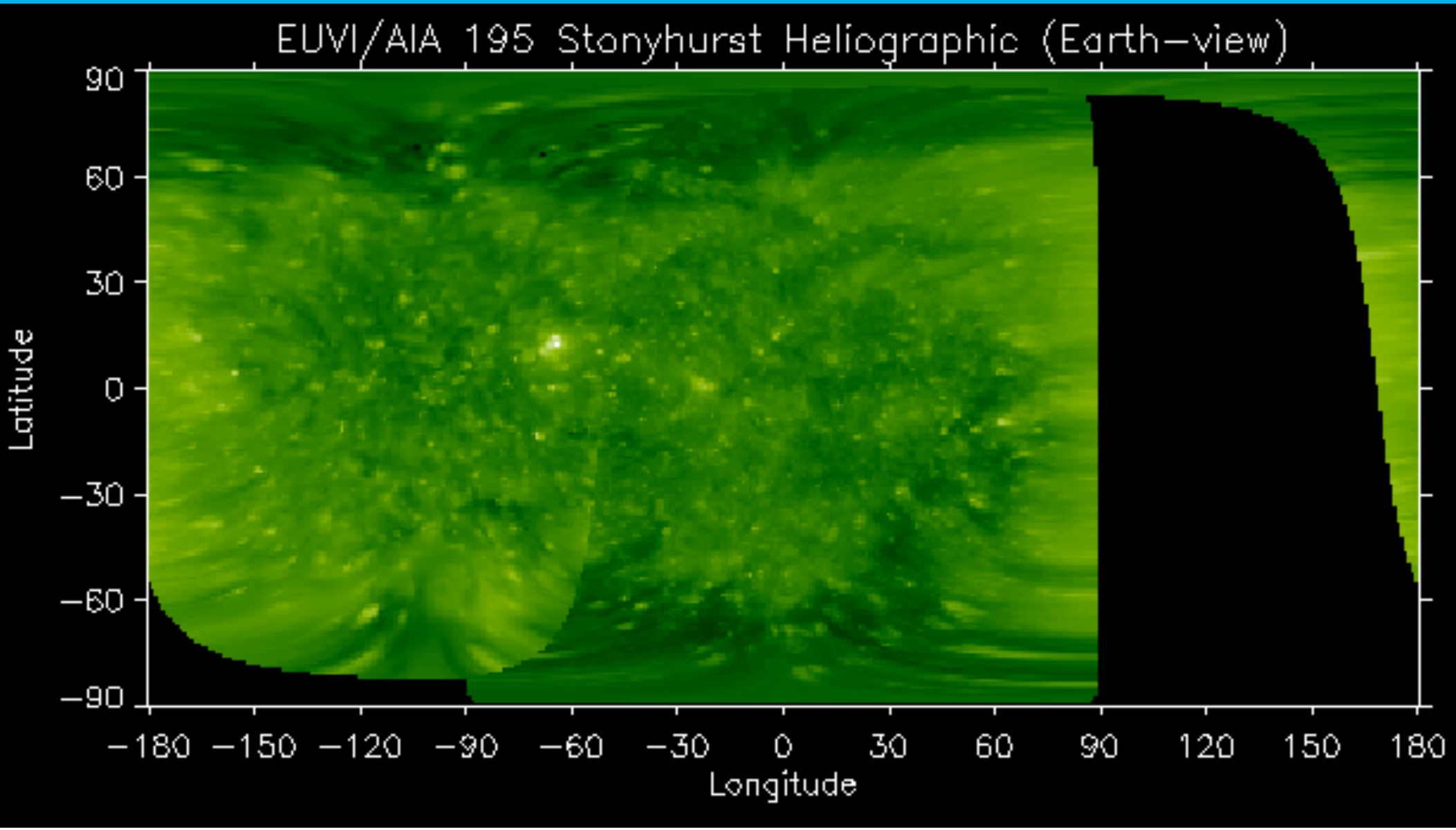
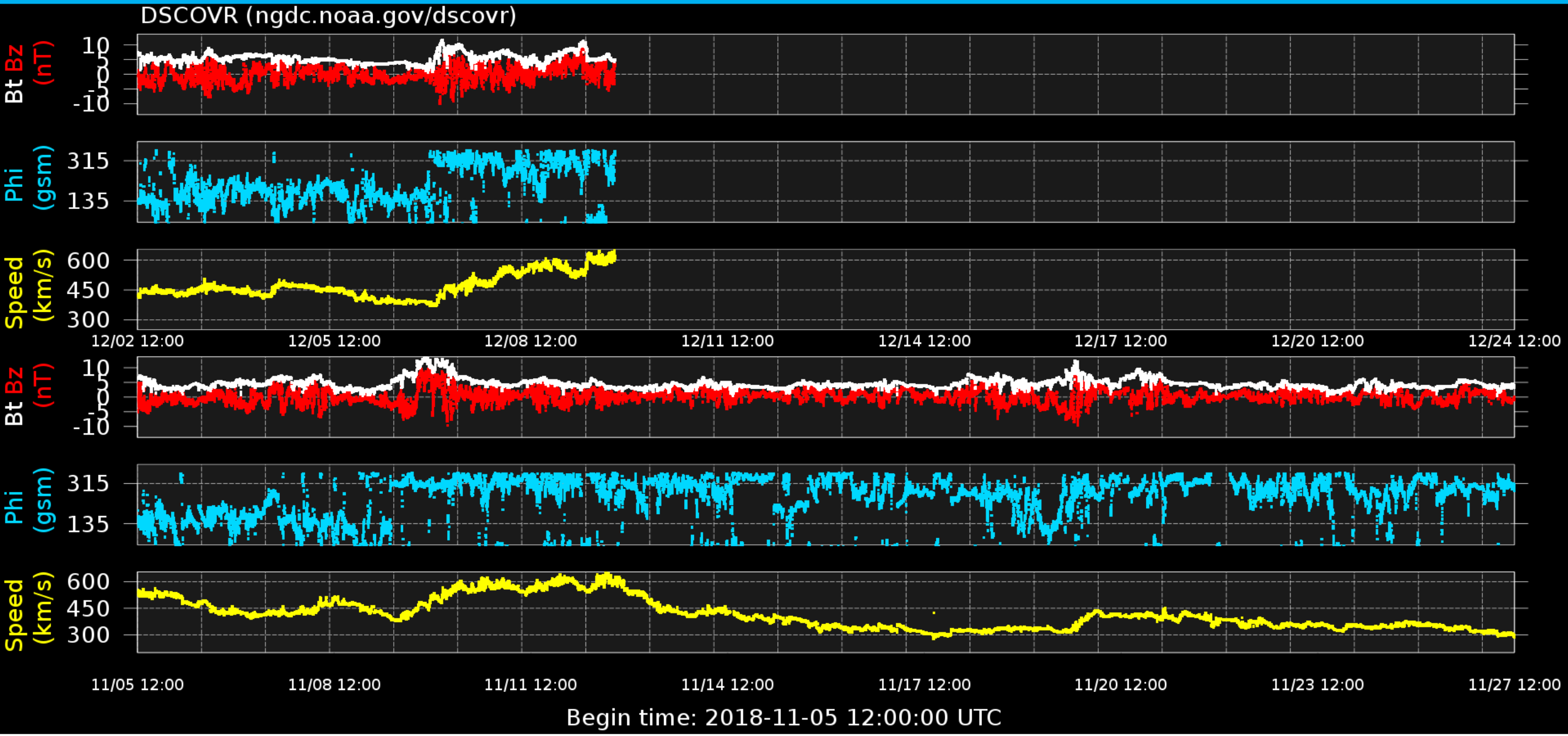
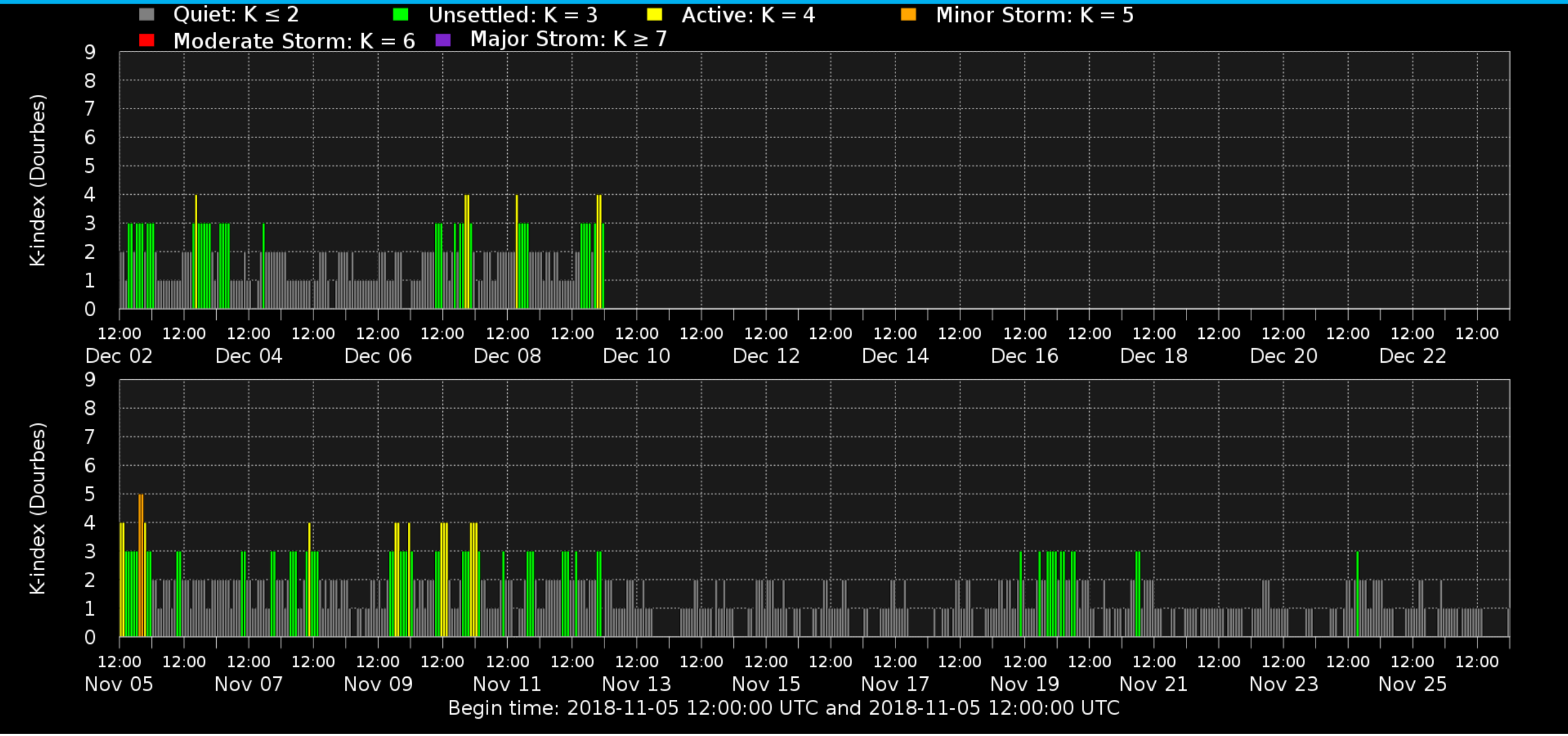
Outlook: Solar activity



Outlook: Solar wind



Outlook: Geomagnetic activity



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