

# SIDC Space Weather Briefing

23 August 2020 - 30 August 2020

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& the SIDC forecaster team



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

# Summary Report

Solar activity from 2020-08-23 12:00 UT to 2020-08-30 12:00 UT

Active regions	No regions throughout the week
Flaring	# B-class flare: 0 # C-class flare: 0 # M-class flare: 0 # X-class flare: 0
Filaments	None
CMEs	None
Proton Events	None
Coronal holes	Several +CH in northern hemisphere

Solar wind and geomagnetic conditions from 2020-08-23 12:00 UT to 2020-08-30 12:00 UT

ICME	None
SW Conditions	Moderately enhanced (Max v=535 km/s; Max Bt=10nT; Min Bz=-8.6nT)
K-indices	max K-index (Dourbes): 4.0 max Kp-index (NOAA): 5

All Quiet Alert: Switched off since August 29

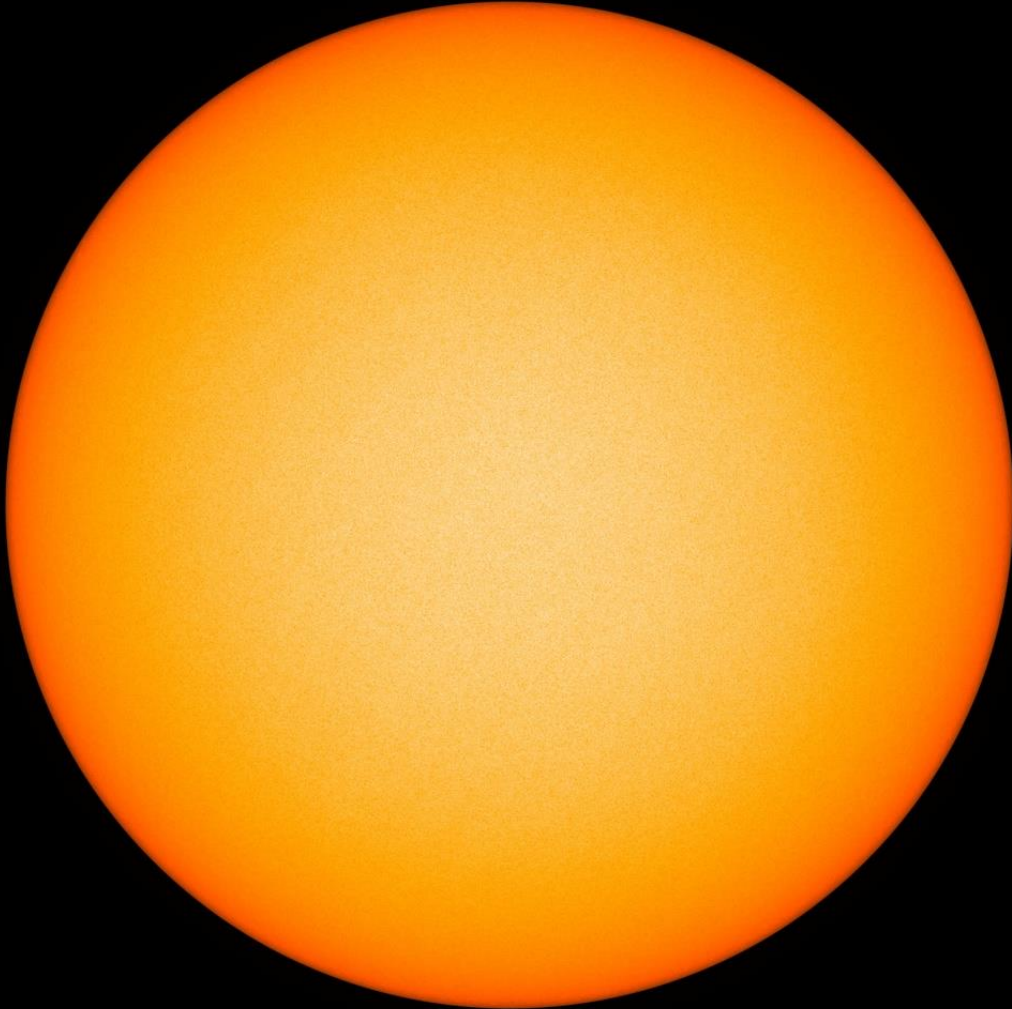
# Solar Activity



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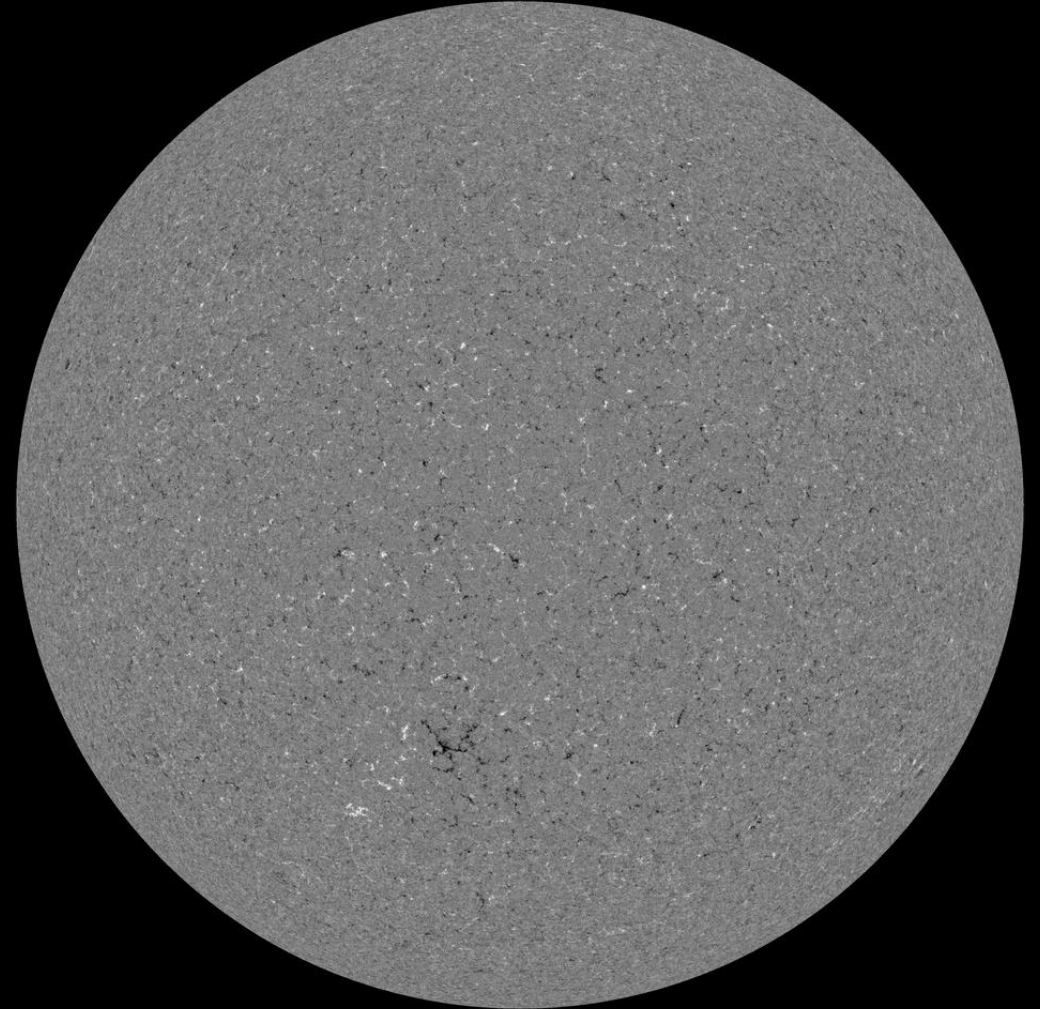
# Solar active region - start of the week

SDO/HMI White Light 2020-08-23



SDO/HMI Quick-Look Continuum: 20200823\_114500

SDO/HMI Magnetogram 2020-08-23

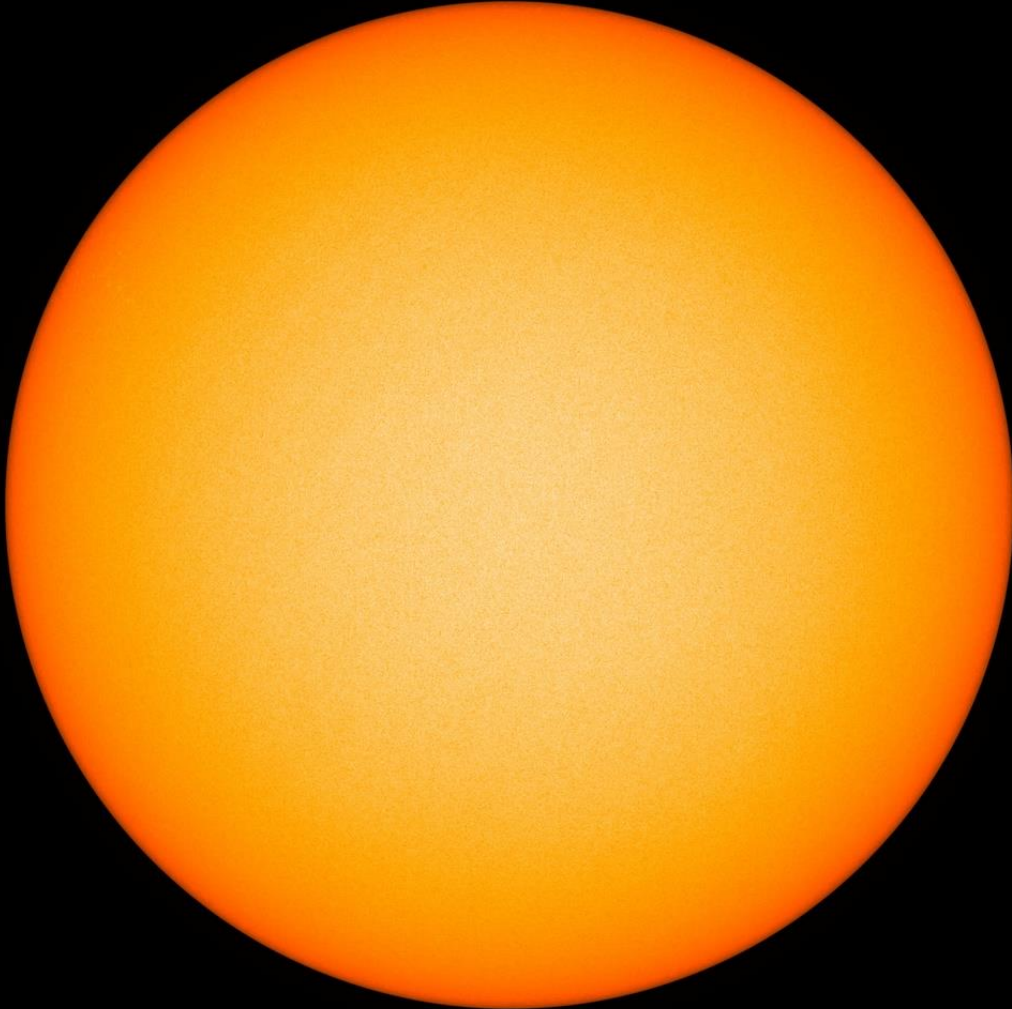


SDO/HMI Quick-Look Magnetogram: 20200823\_114500



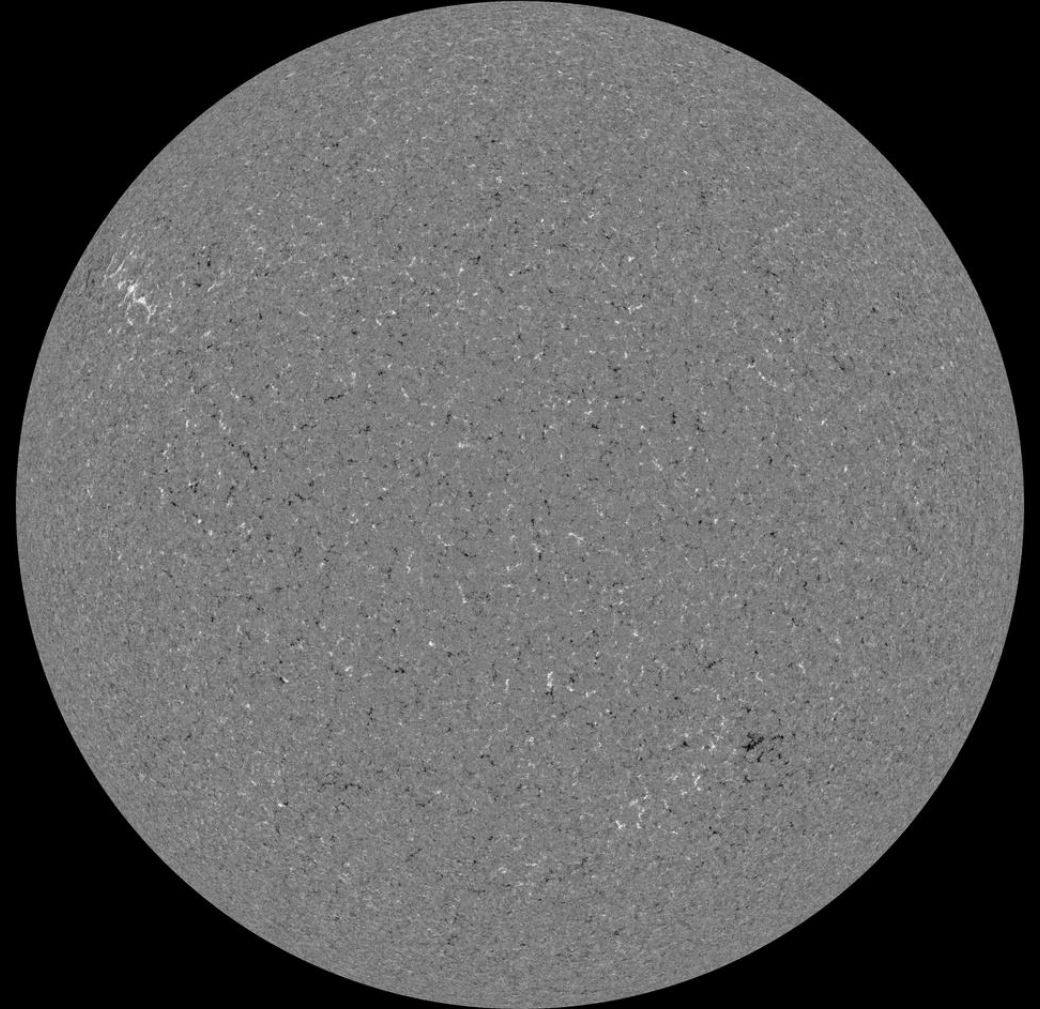
# Solar active region - middle of the week

SDO/HMI White Light 2020-08-26



SDO/HMI Quick-Look Continuum: 20200826\_114500

SDO/HMI Magnetogram 2020-08-26

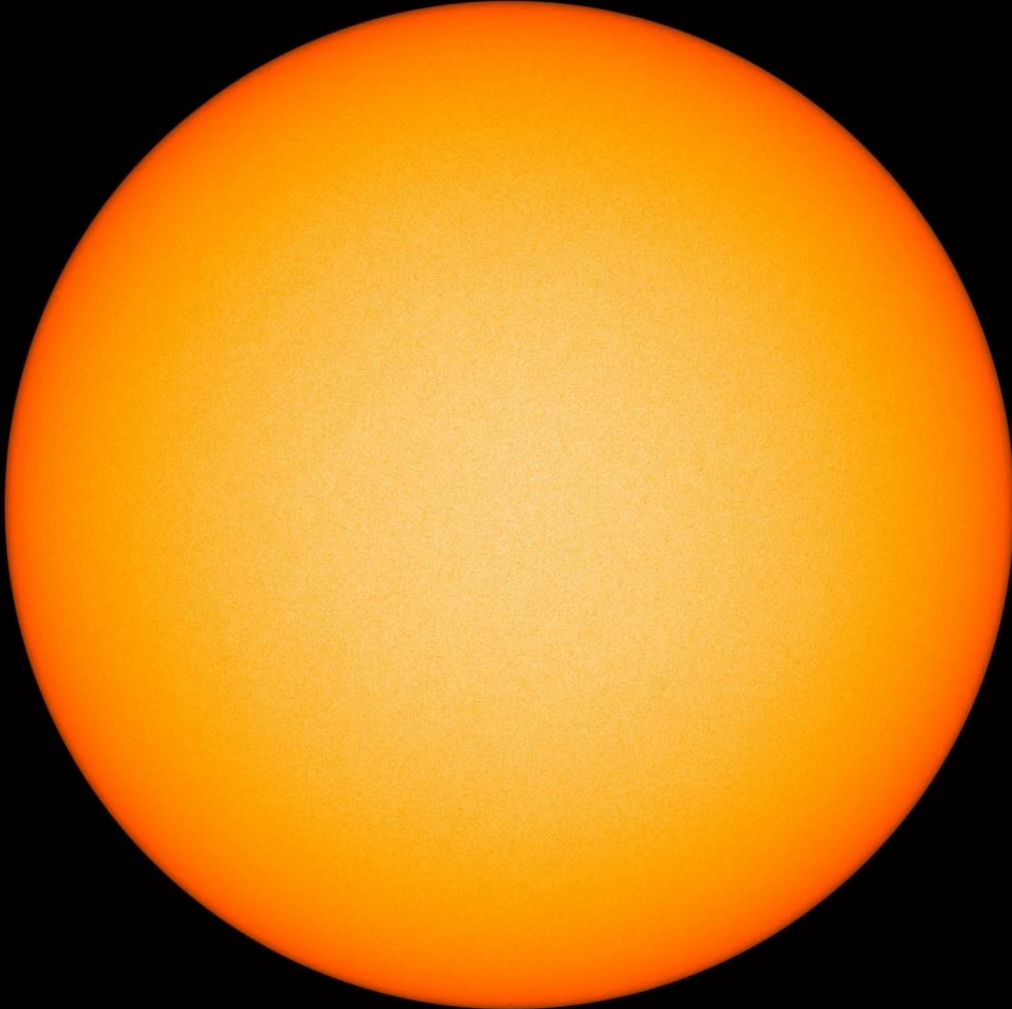


SDO/HMI Quick-Look Magnetogram: 20200826\_114500



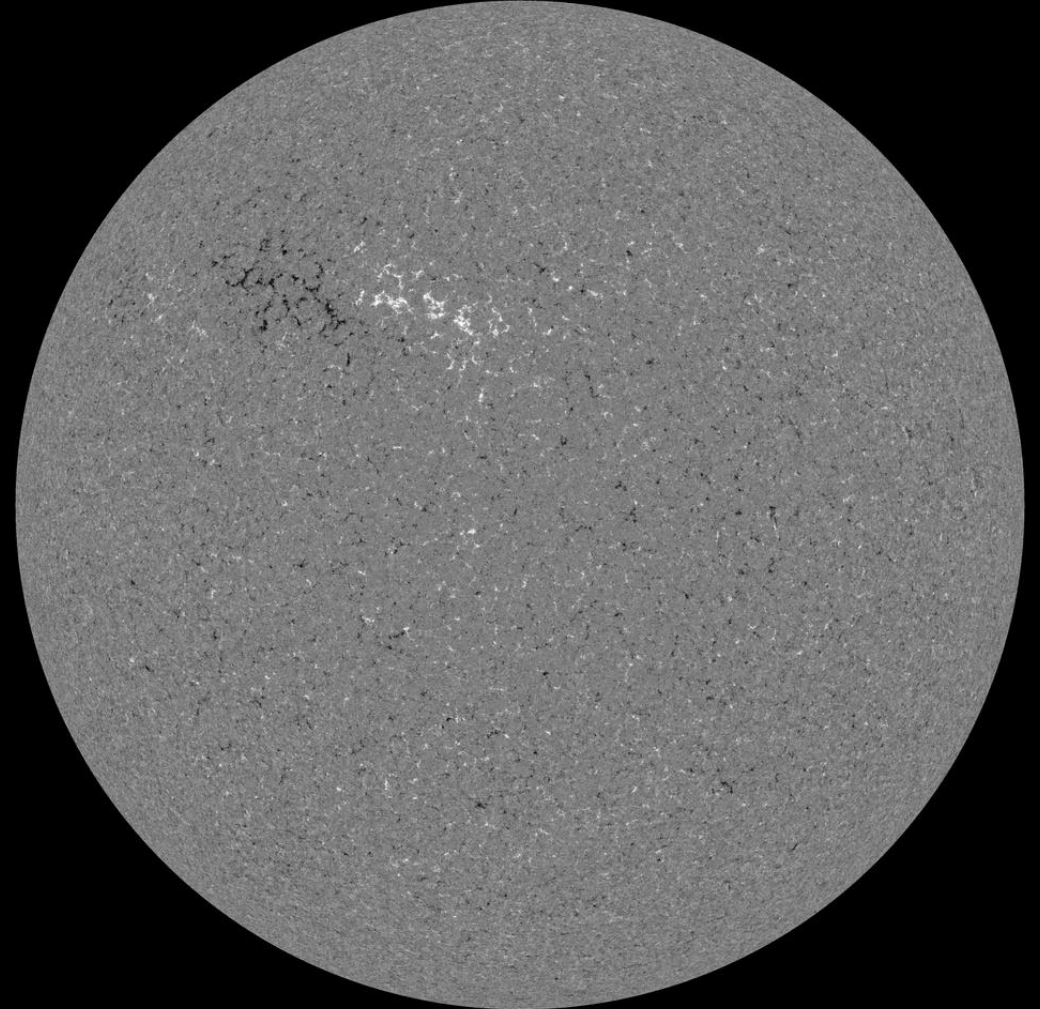
# Solar active region - end of the week

SDO/HMI White Light 2020-08-30



SDO/HMI Quick-Look Continuum: 20200830\_114500

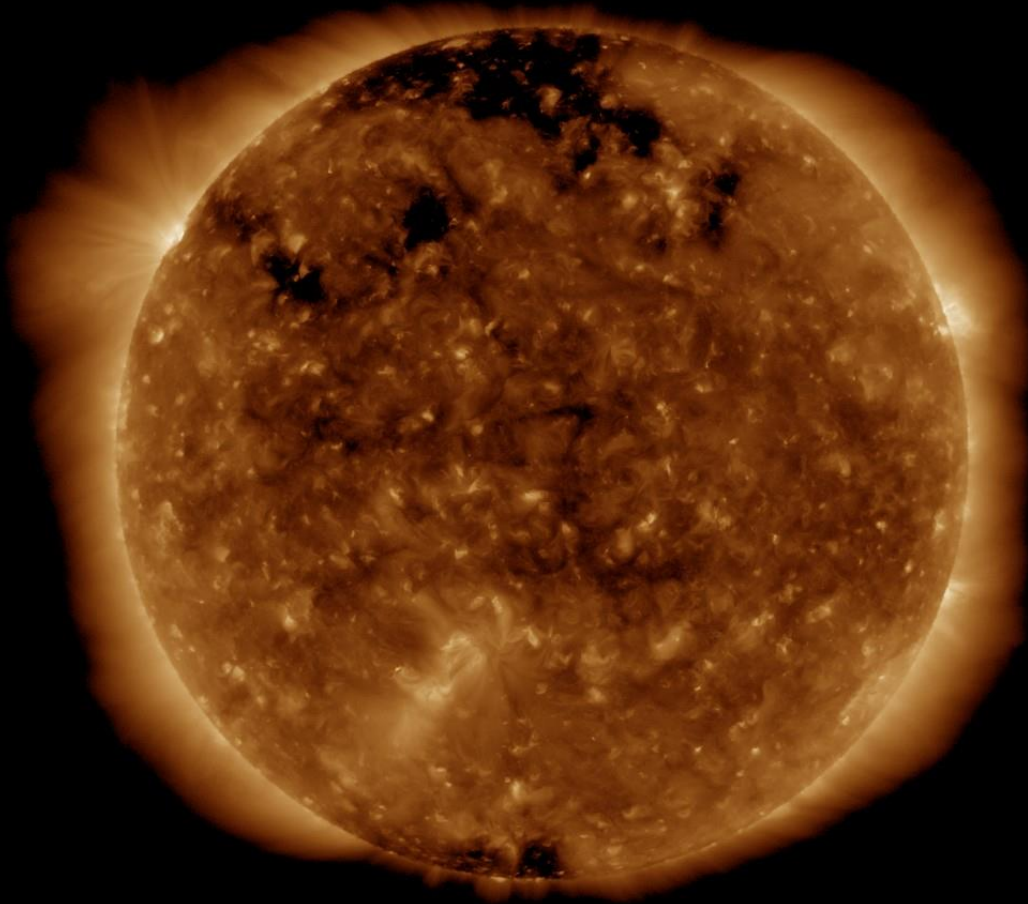
SDO/HMI Magnetogram 2020-08-30



SDO/HMI Quick-Look Magnetogram: 20200830\_114500

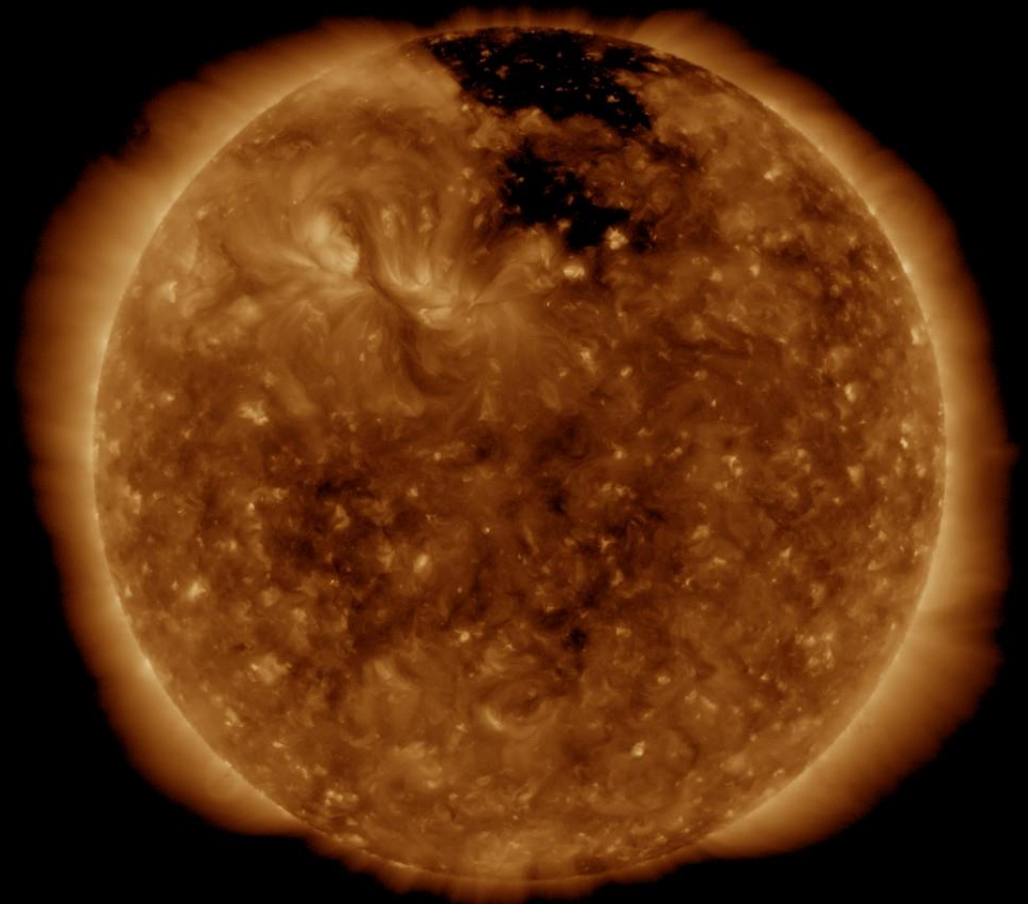
# Solar active region & Coronal hole

SDO/AIA 19.3 nm 2020-08-23



SDO/AIA 193 2020-08-23 12:17:29 UT

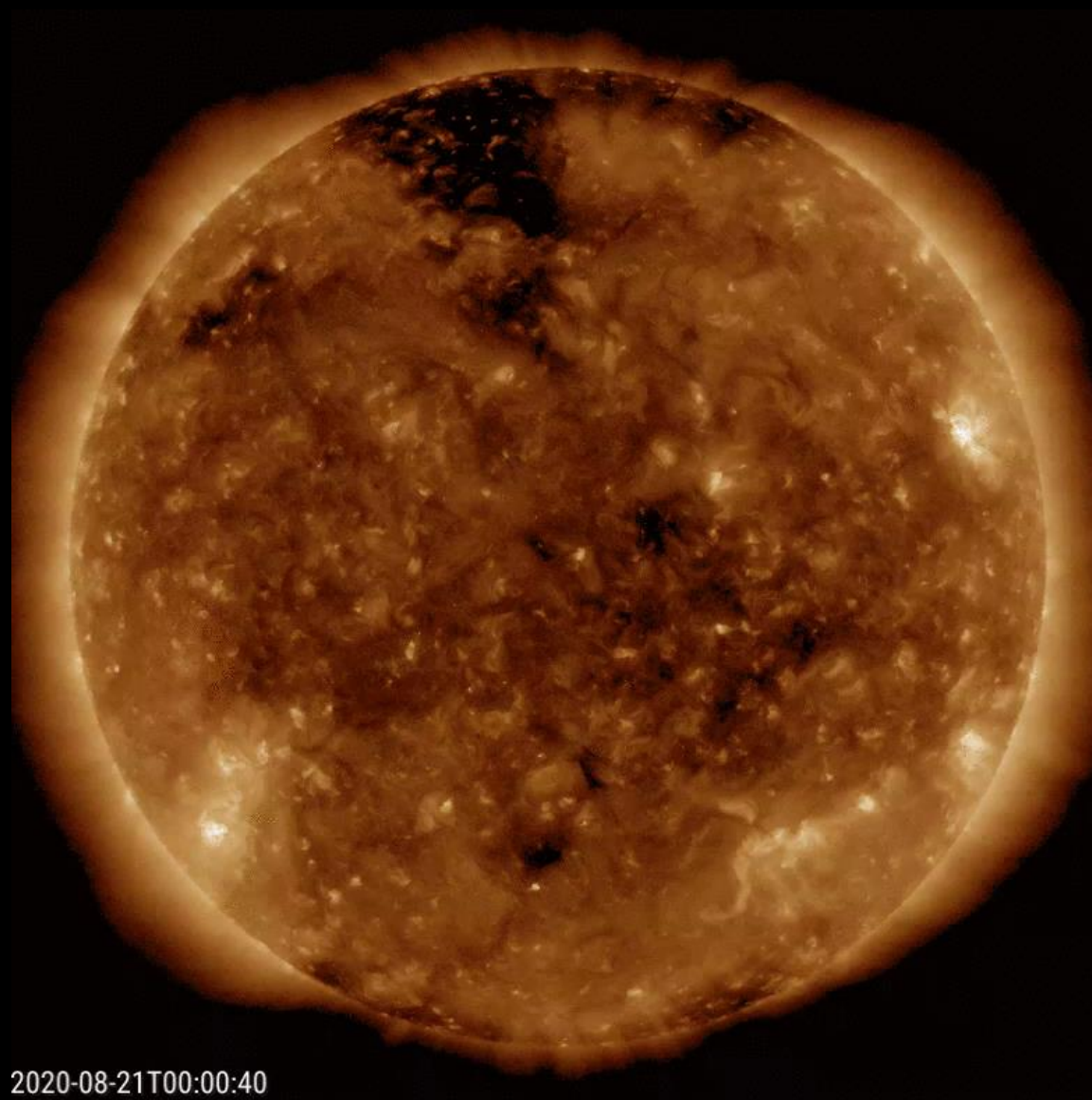
SDO/AIA 19.3 nm 2020-08-30



SDO/AIA 193 2020-08-30 12:18:17 UT



# Solar Coronal holes



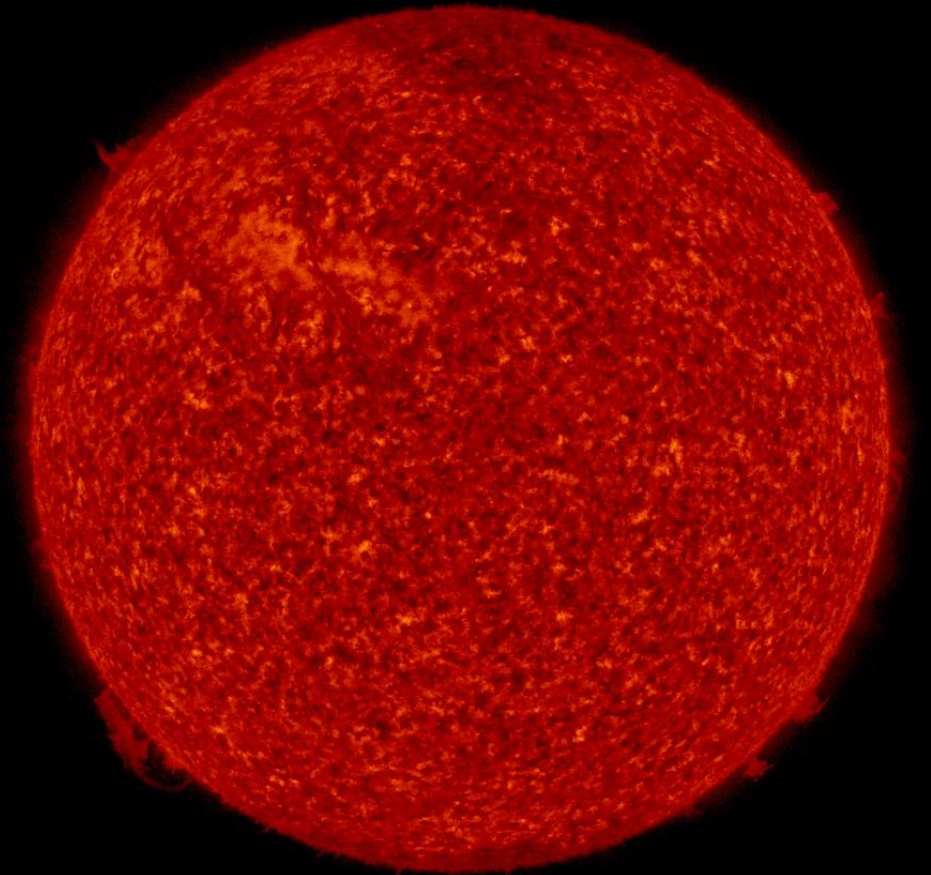
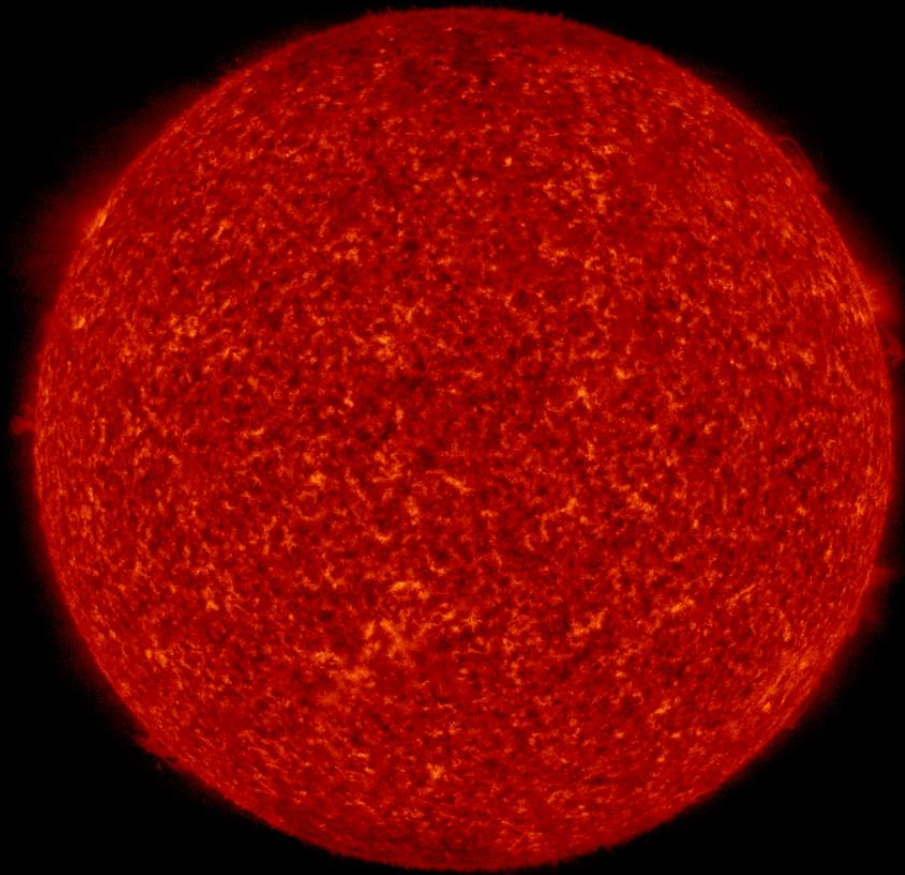
2020-08-21T00:00:40



# Solar active region & Filament

SDO/AIA 30.4 nm 2020-08-23

SDO/AIA 30.4 nm 2020-08-30

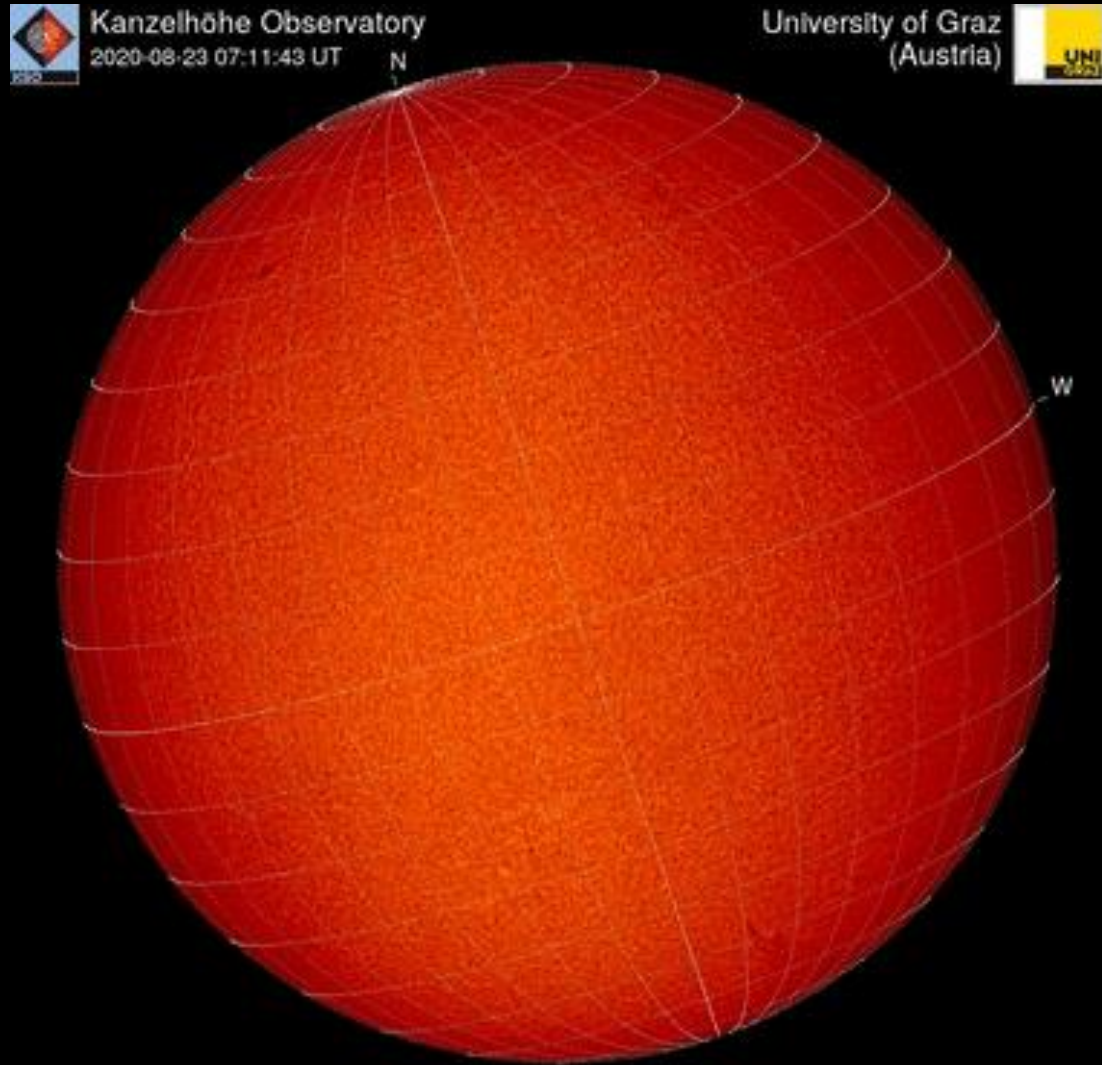


SDO/AIA 304 2020-08-23 12:18:30 UT

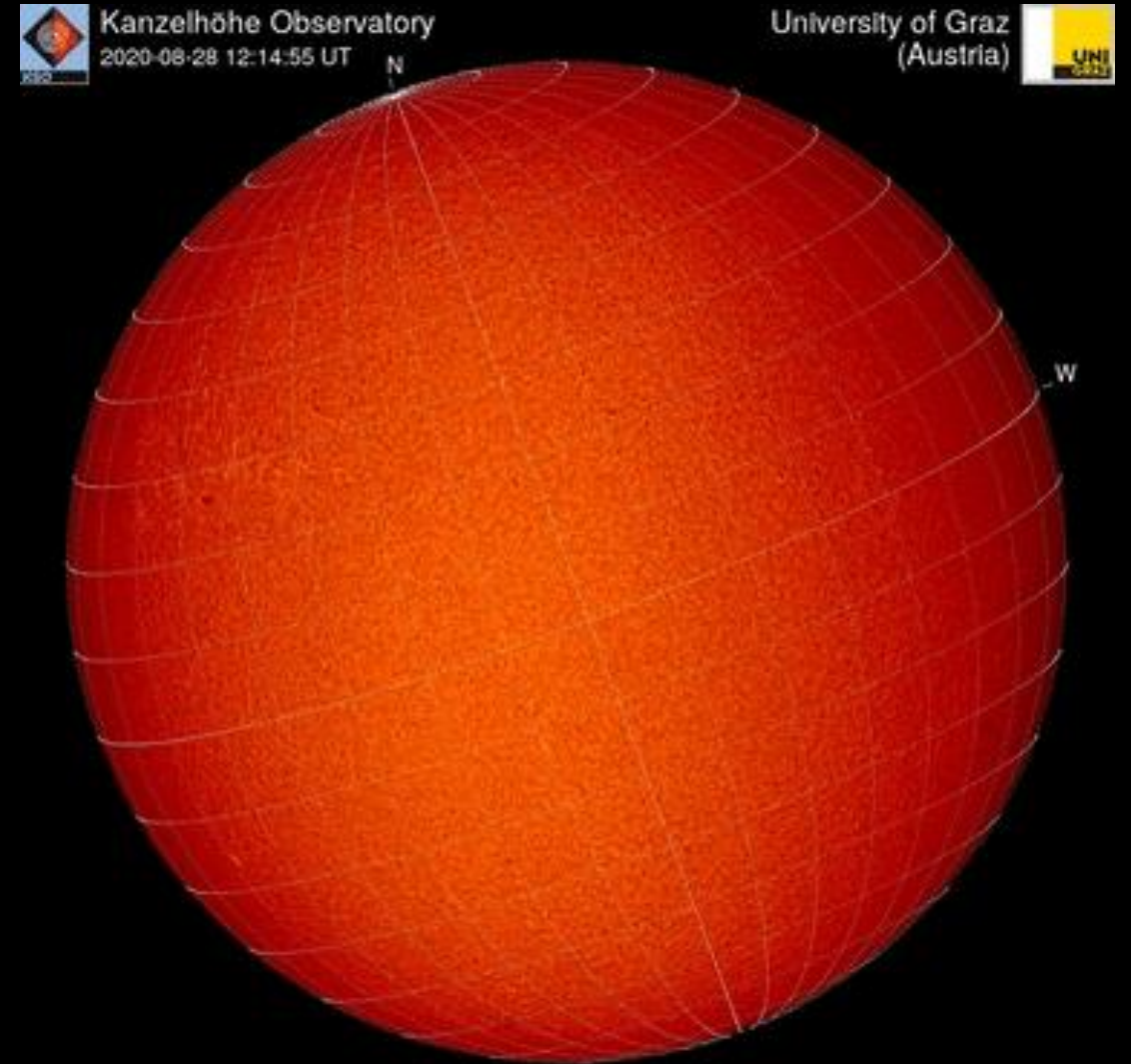
SDO/AIA 304 2020-08-30 12:19:06 UT

# Filament & Filament eruption

H-alpha 2020-08-23

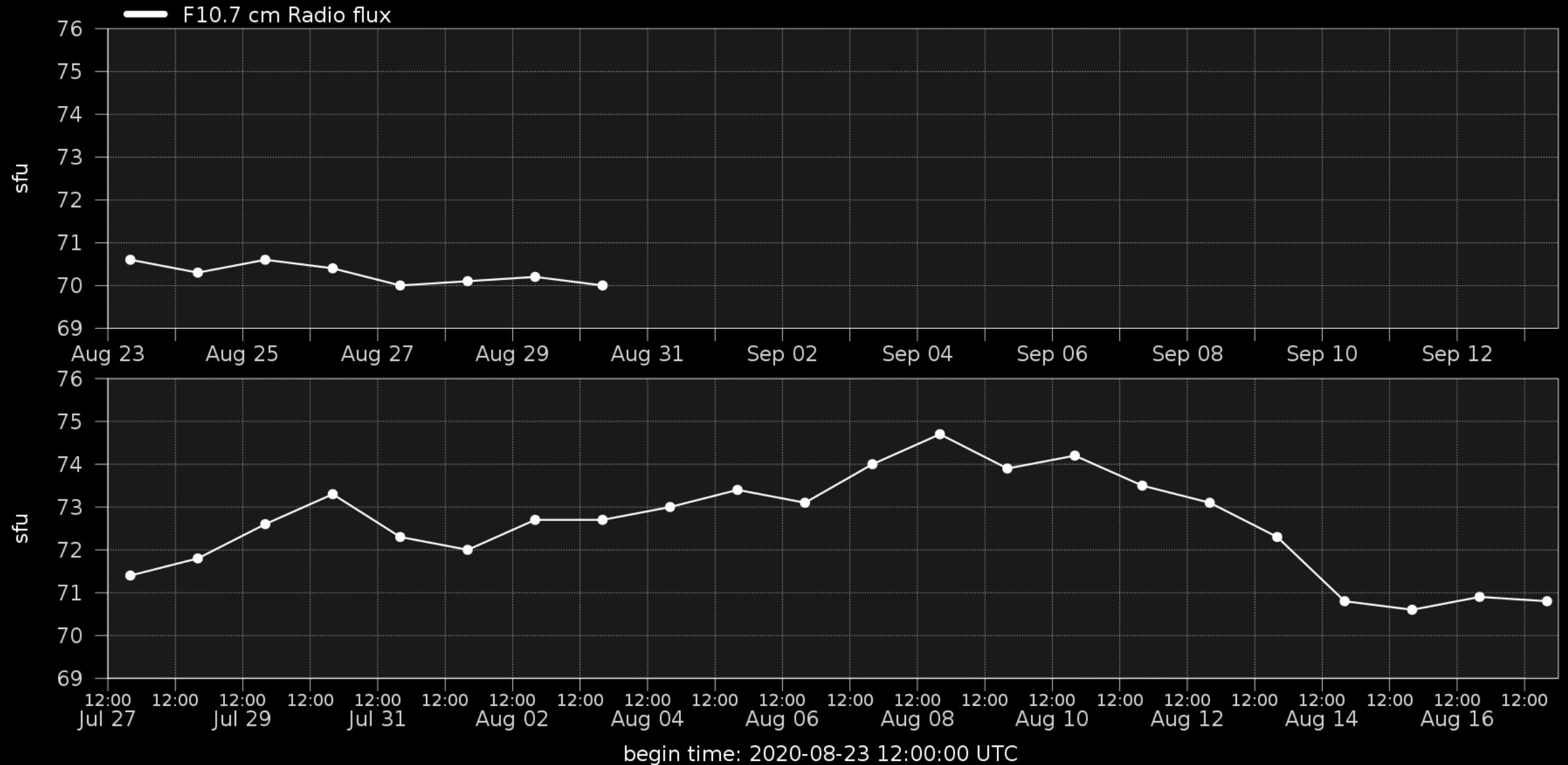


H-alpha 2020-08-30



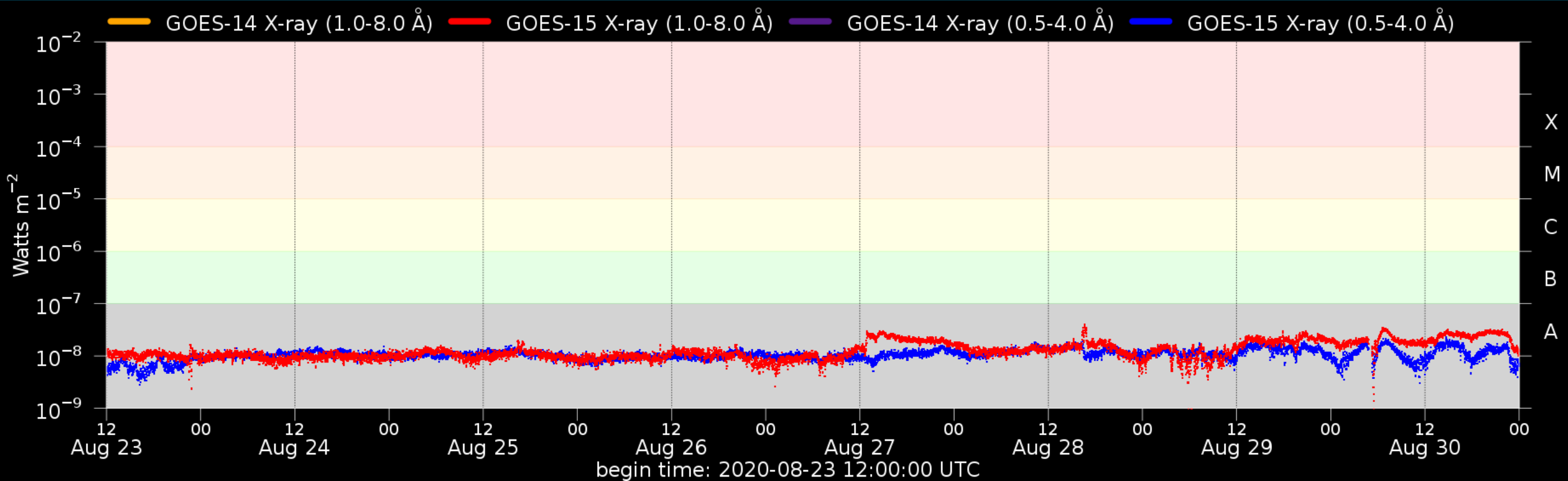


# Solar F10.7cm radio flux





# Flaring activity

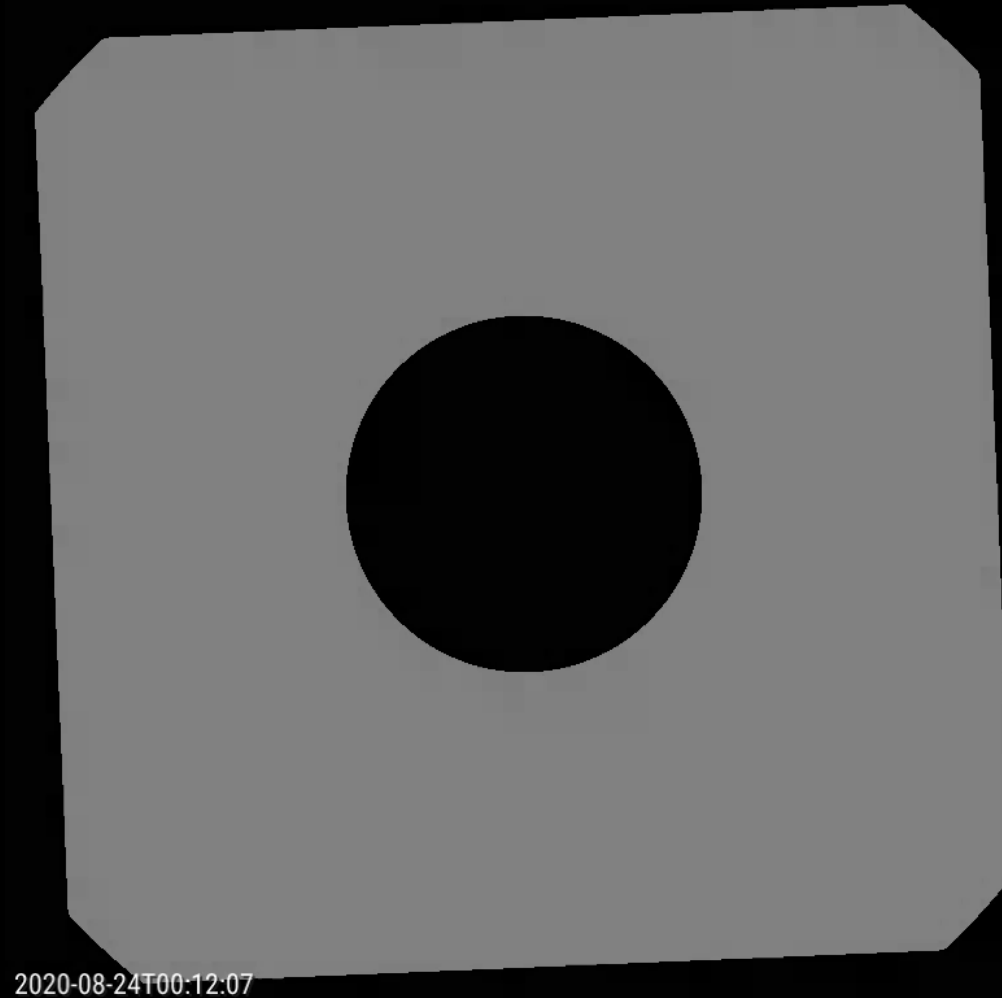


Probabilities (%) and occurrences (#) of B/C/M/X-flares issued at 12:30 and over the next 24h:

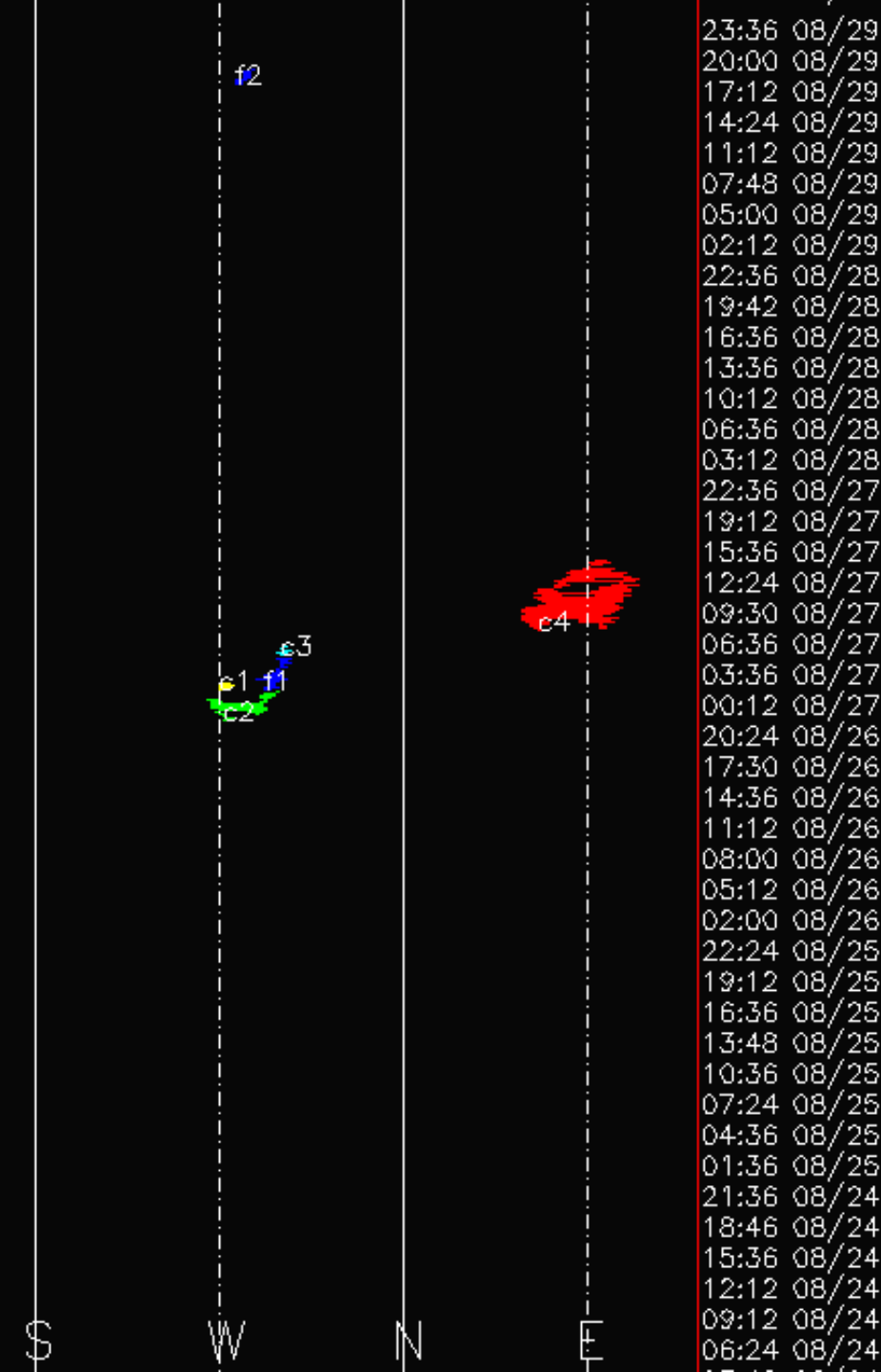
Issue date	2020-08-23	2020-08-24	2020-08-25	2020-08-26	2020-08-27	2020-08-28	2020-08-29	2020-08-30
Probability	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01
Observed	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

# Coronal Mass Ejection

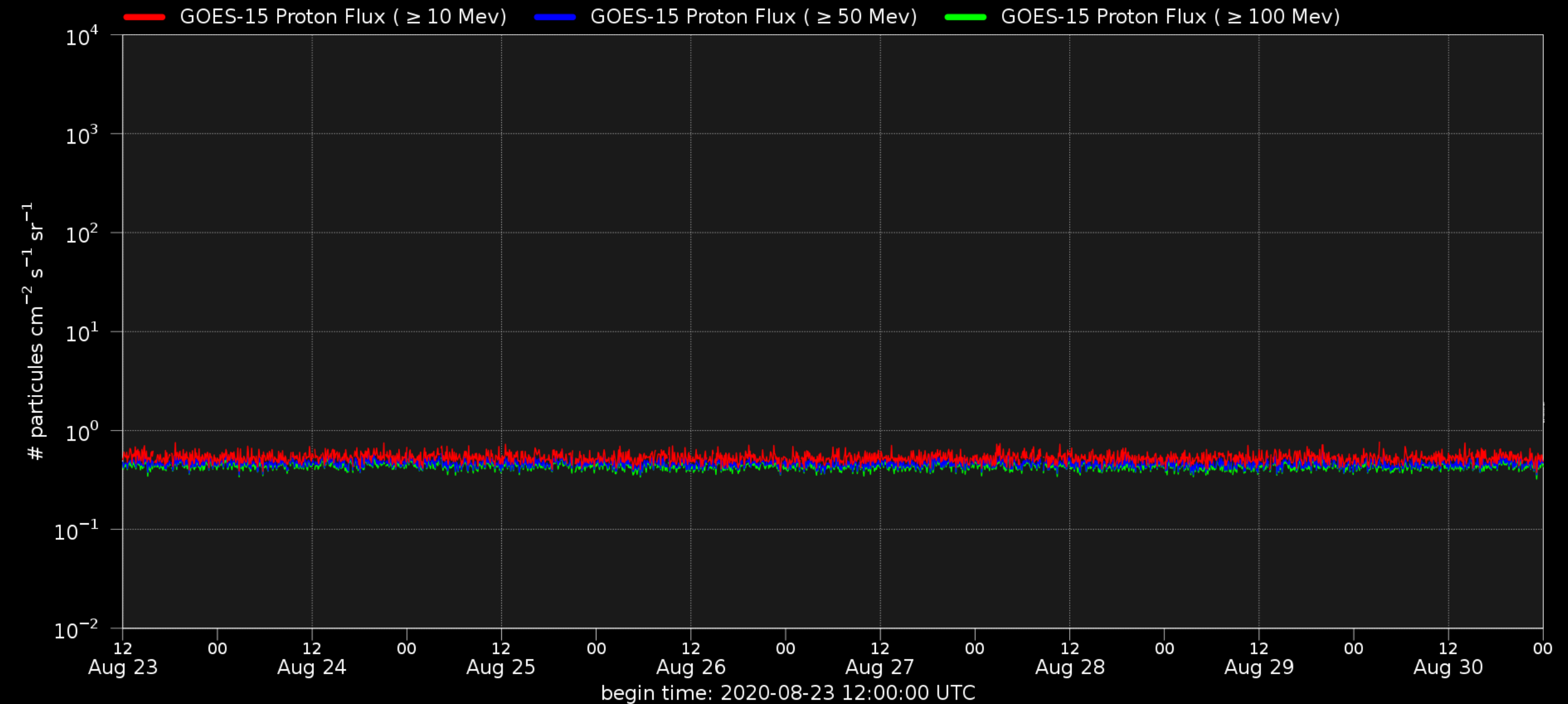
No Earth directed CME's



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# Solar proton flux



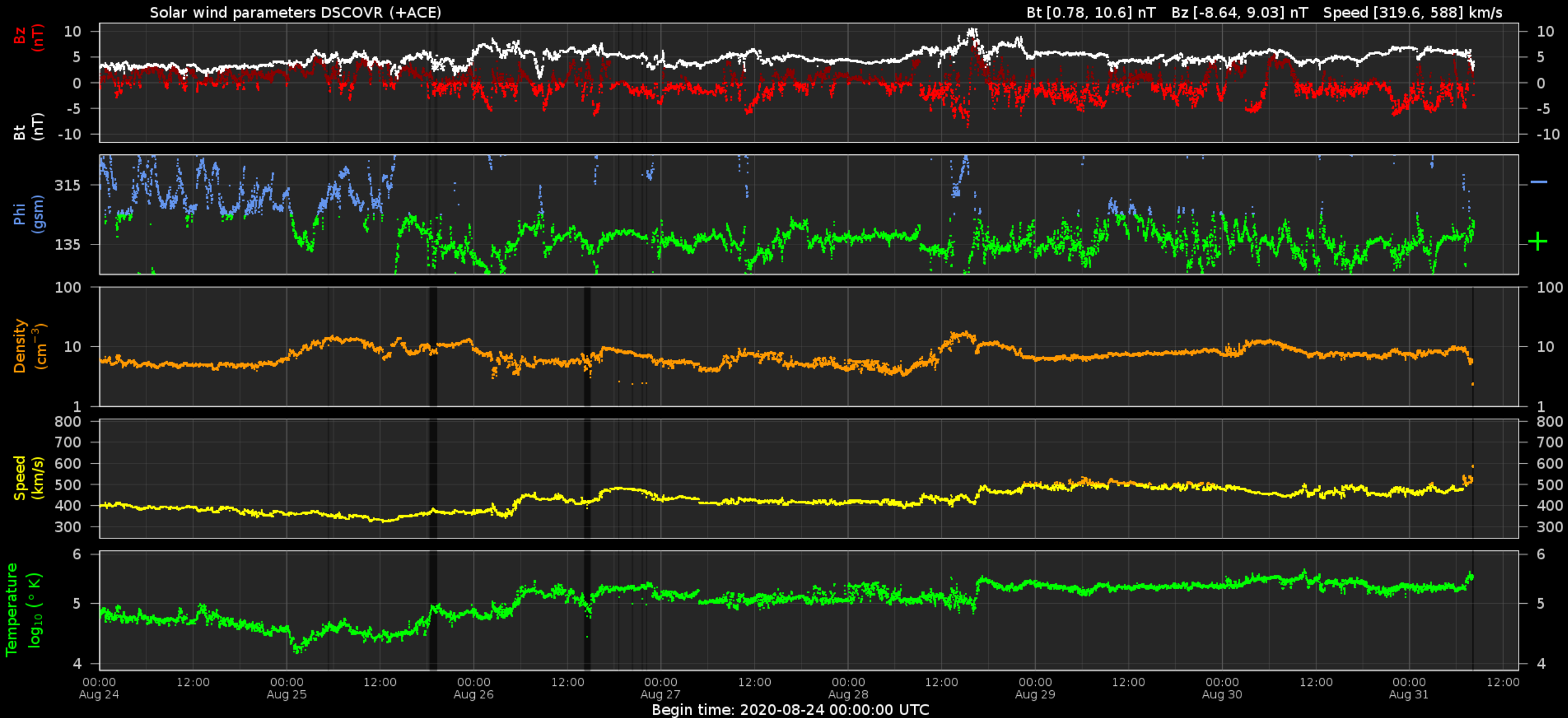


# Solar Wind and Geomagnetic Activity

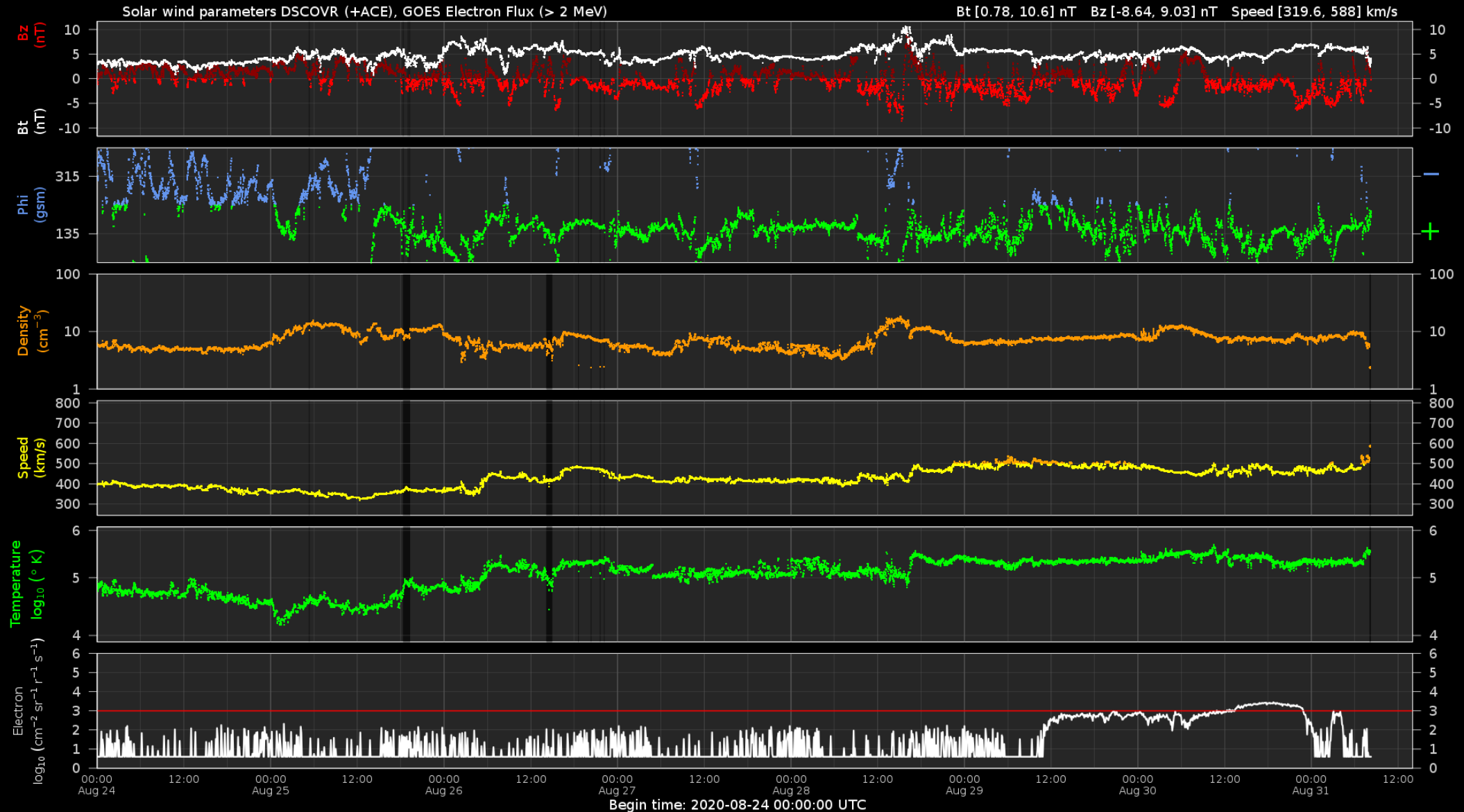


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# Solar wind parameters

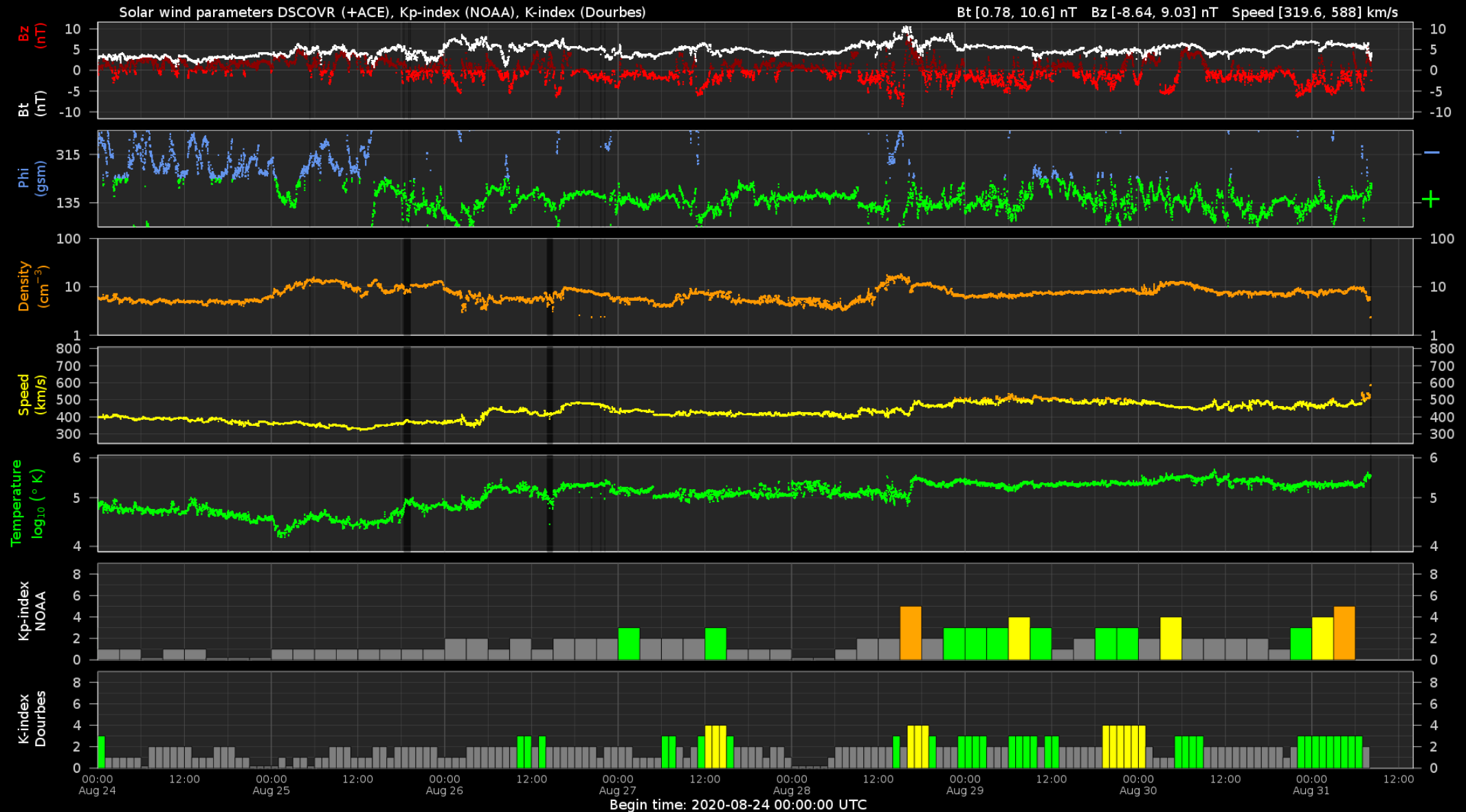


# Solar wind parameters & energetic electrons

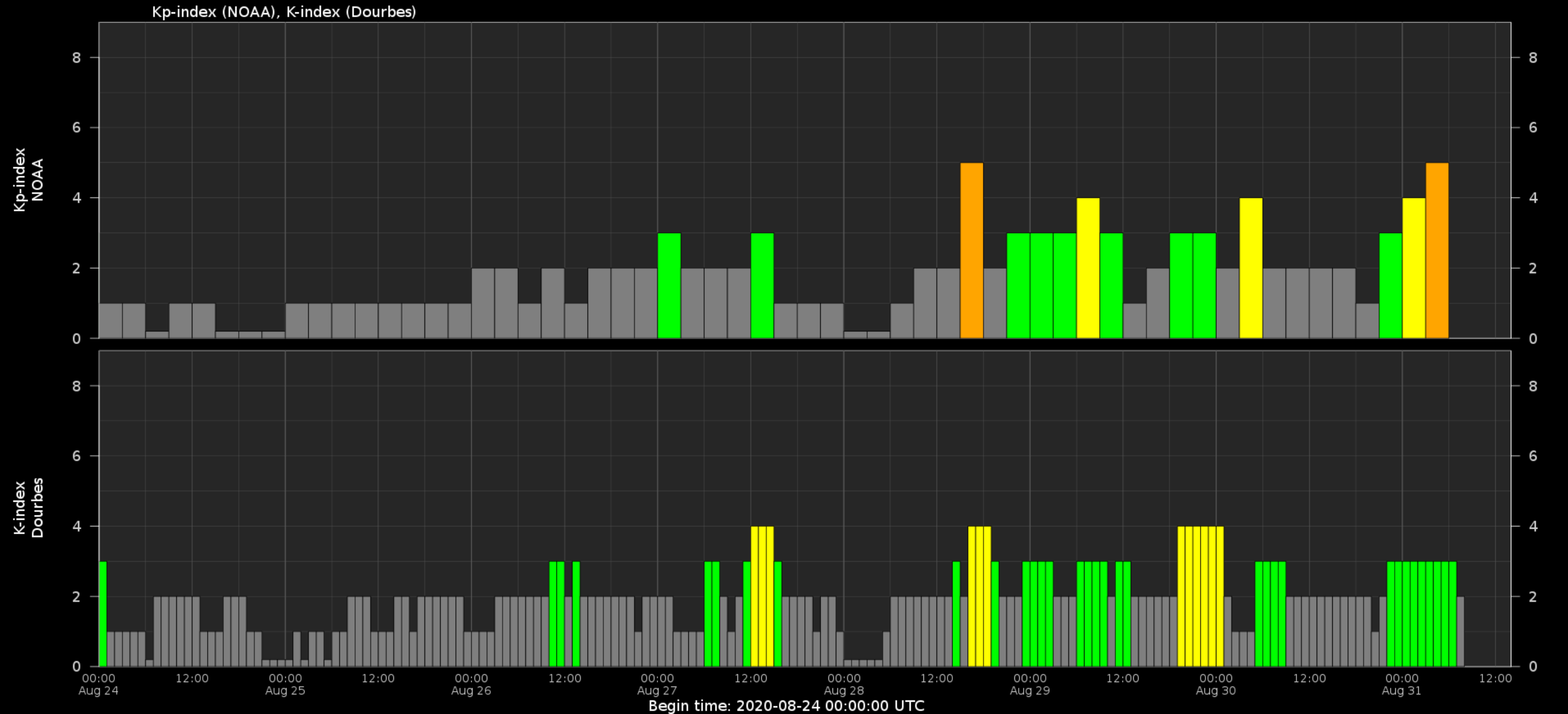




# Solar wind parameters & K-index (DSCOVR/Dourbes)



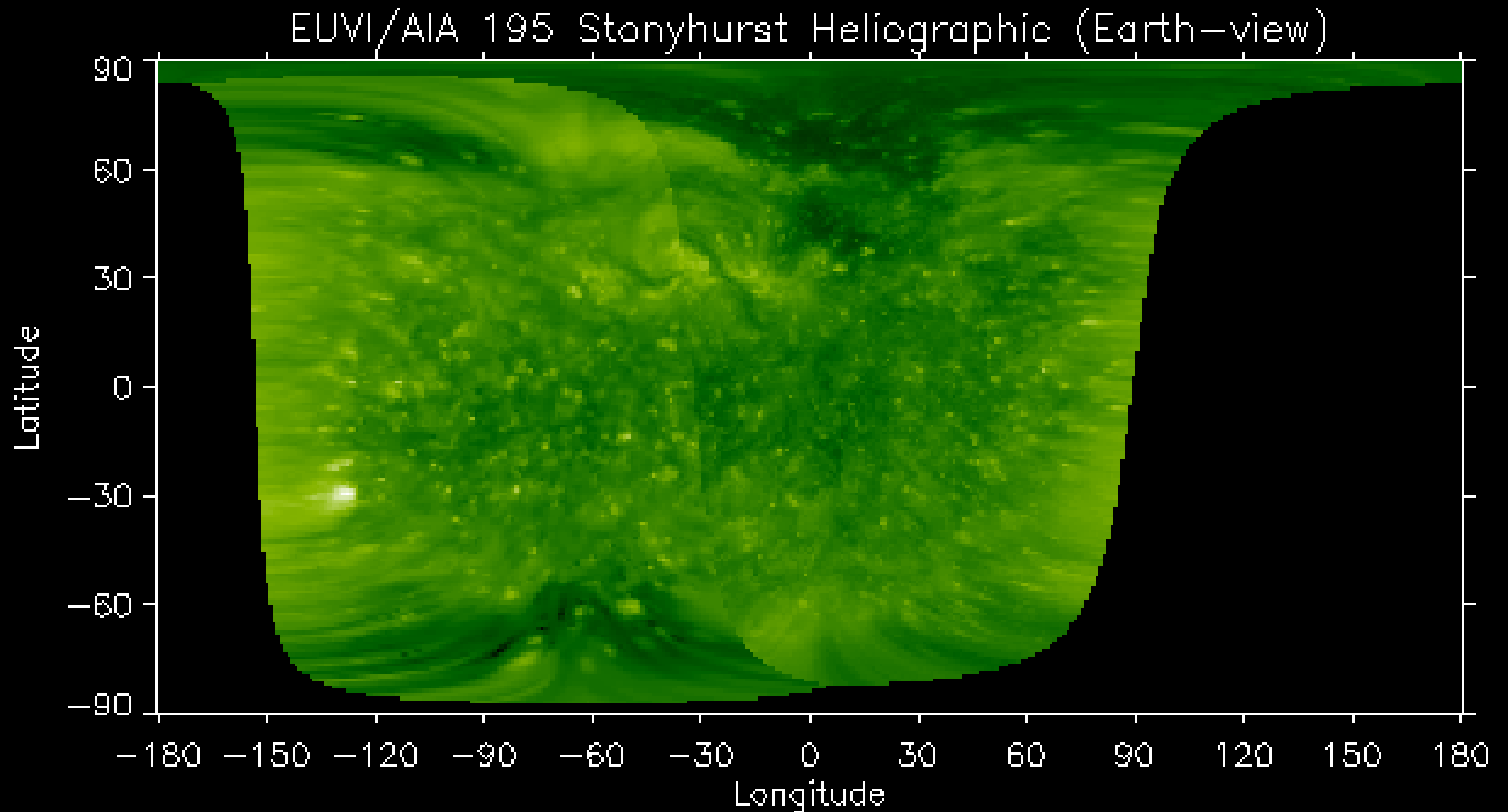
# Geomagnetic activity (K-indexes)



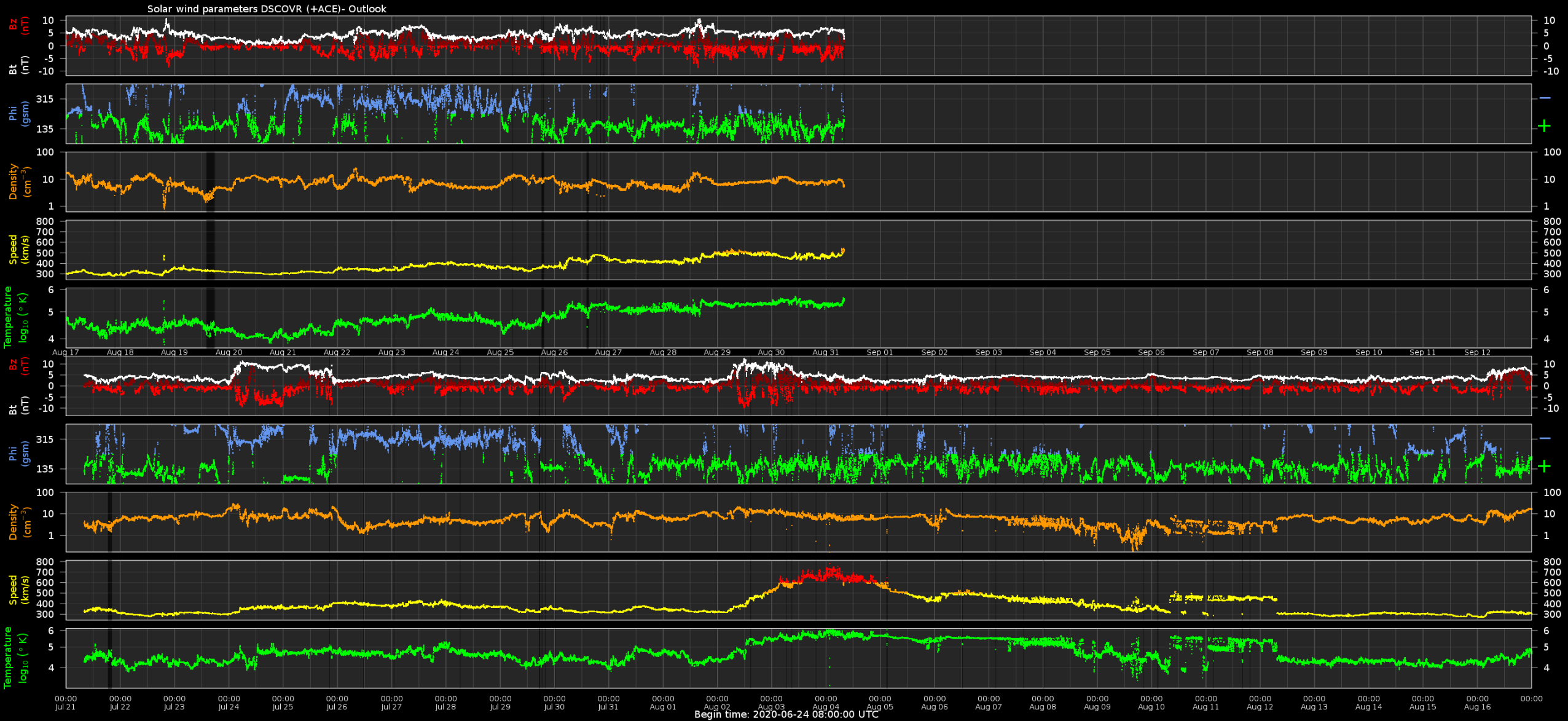
# Outlook



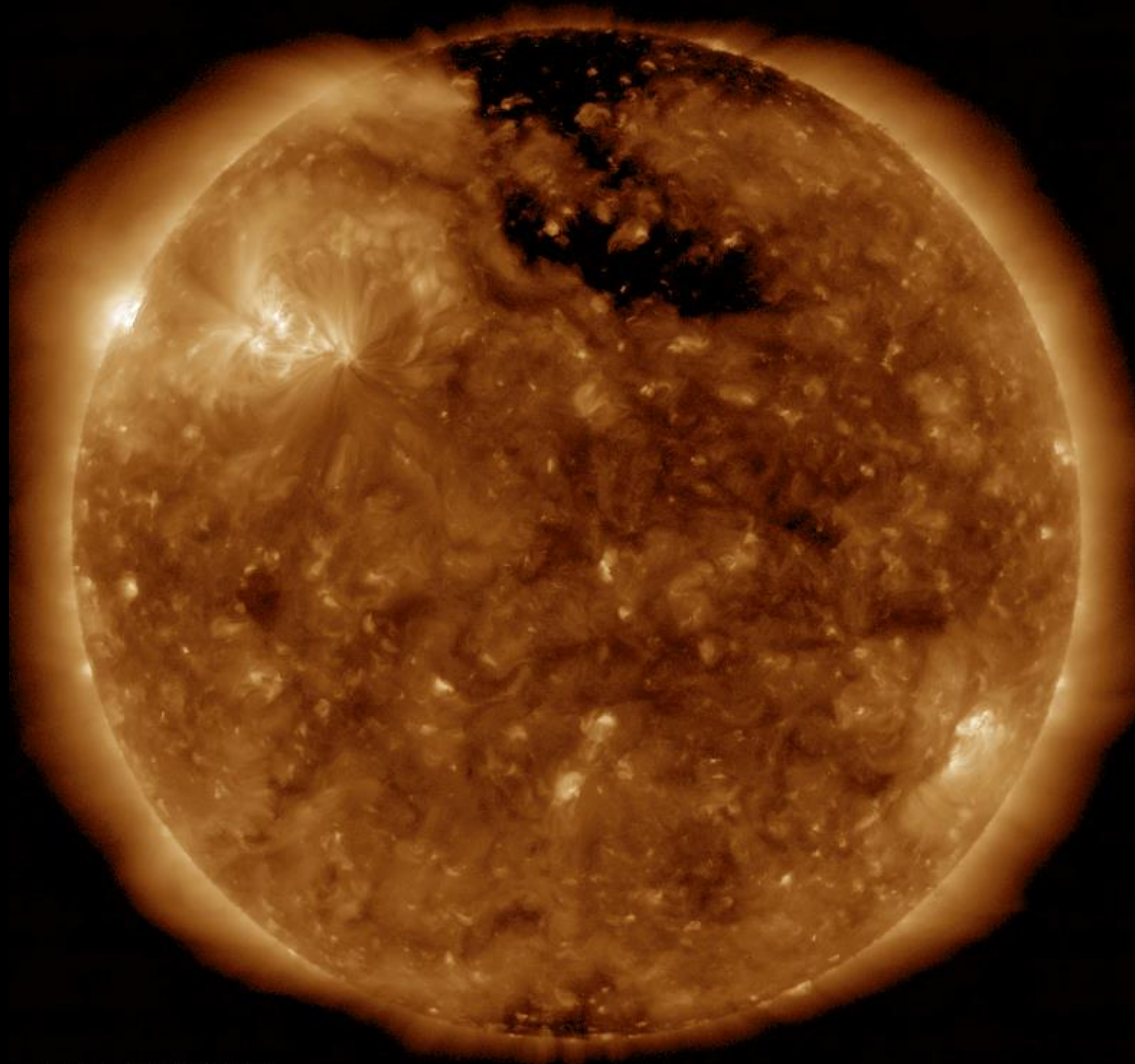
# Outlook: Solar activity



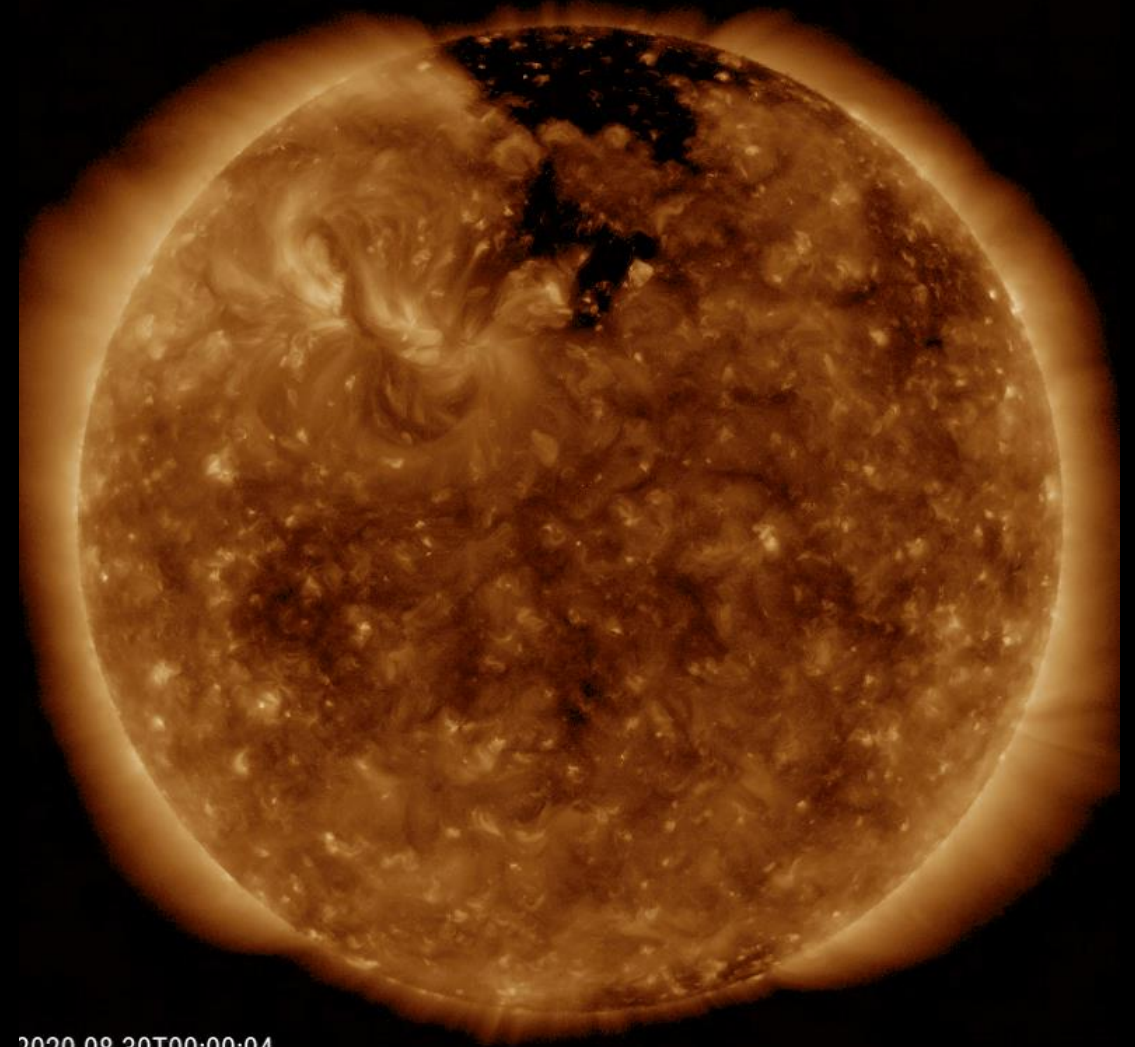
# Outlook: Solar wind



# Solar active region & Coronal hole

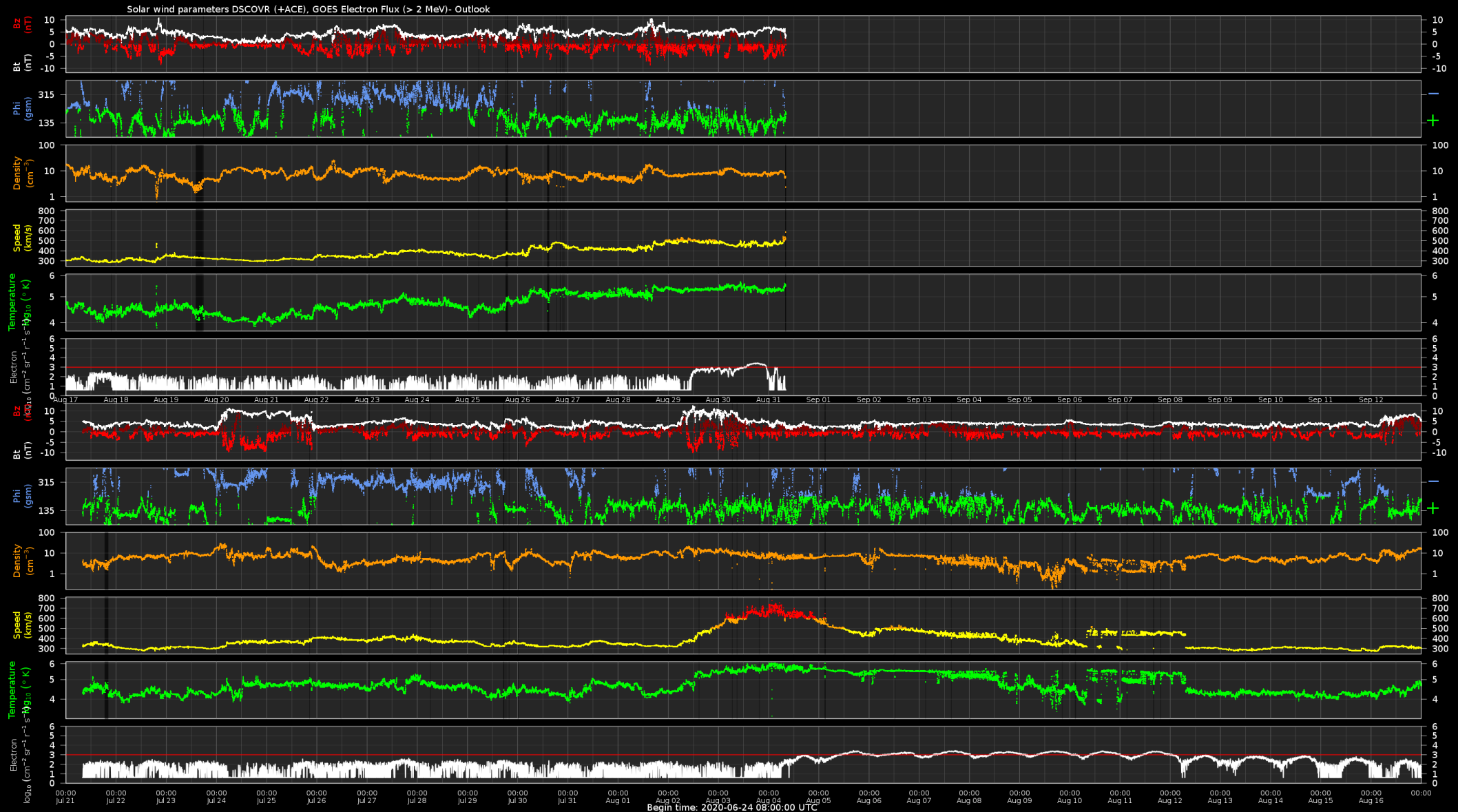


2020-08-01T00:00:28



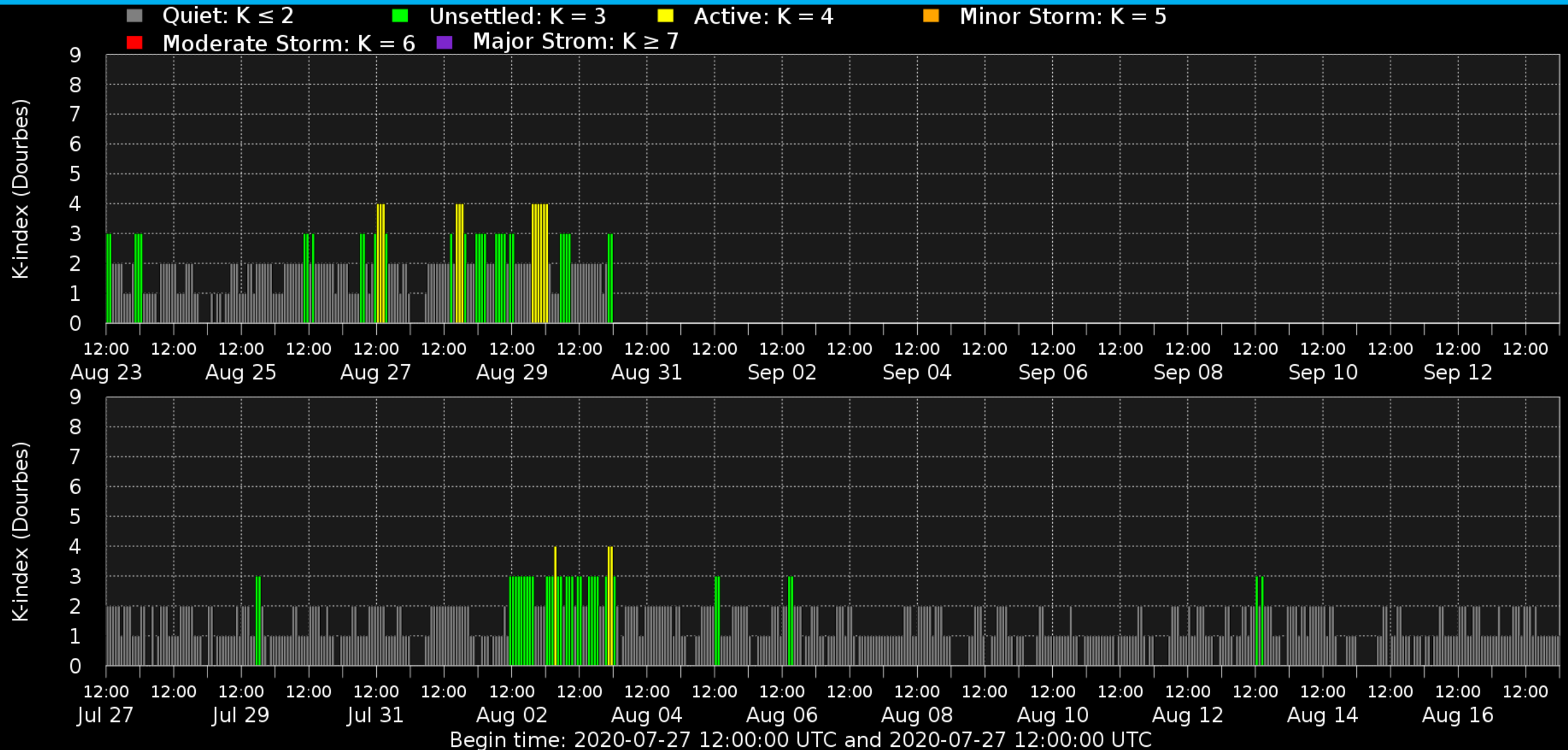
2020-08-30T00:00:04

# Outlook: Solar wind + energetic electrons





# Outlook: Geomagnetic activity



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See you at our next briefing!

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