

SIDC Space Weather Briefing

30 August 2020 - 06 September 2020

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& the SIDC forecaster team



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Summary Report

Solar activity from 2020-08-30 12:00 UT to 2020-09-06 12:00 UT

Active regions	None
Flaring	# B-class flare: 0 # C-class flare: 0 # M-class flare: 0 # X-class flare: 0
Filaments	One filament eruption in NE, not Earth-directed
CMEs	No Earth-directed CMEs
Proton Events	None

Solar wind and geomagnetic conditions from 2020-08-30 12:00 UT to 2020-09-06 12:00 UT

Coronal Holes	Positive polarity coronal hole at the start of the week in N. hemisphere.
ICME	None
SW Conditions	Enhanced Solar Wind speed for first half of the week. Max speed 637 km/s
K-indices	max K-index (Dourbes): 4.0 max Kp-index (NOAA): 5

All Quiet Alert: On from 03 Sep

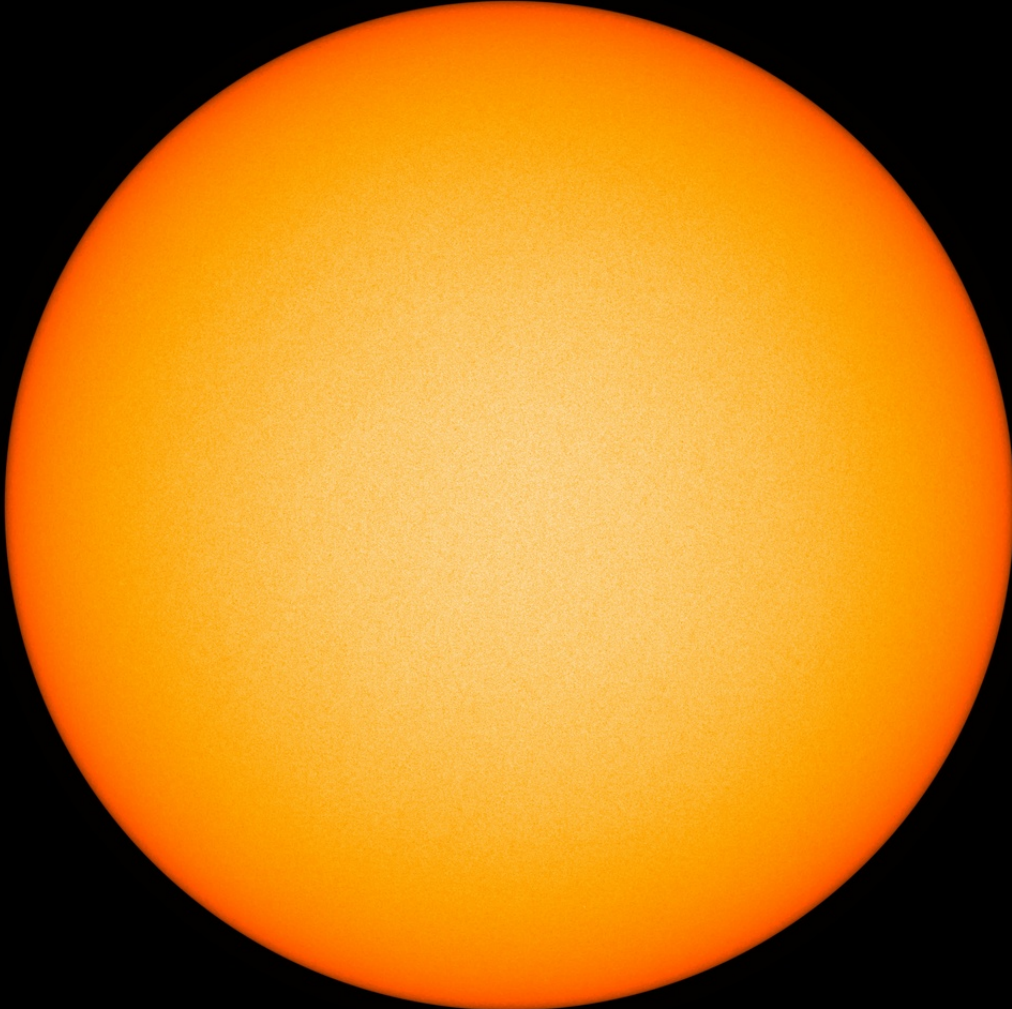
Solar Activity



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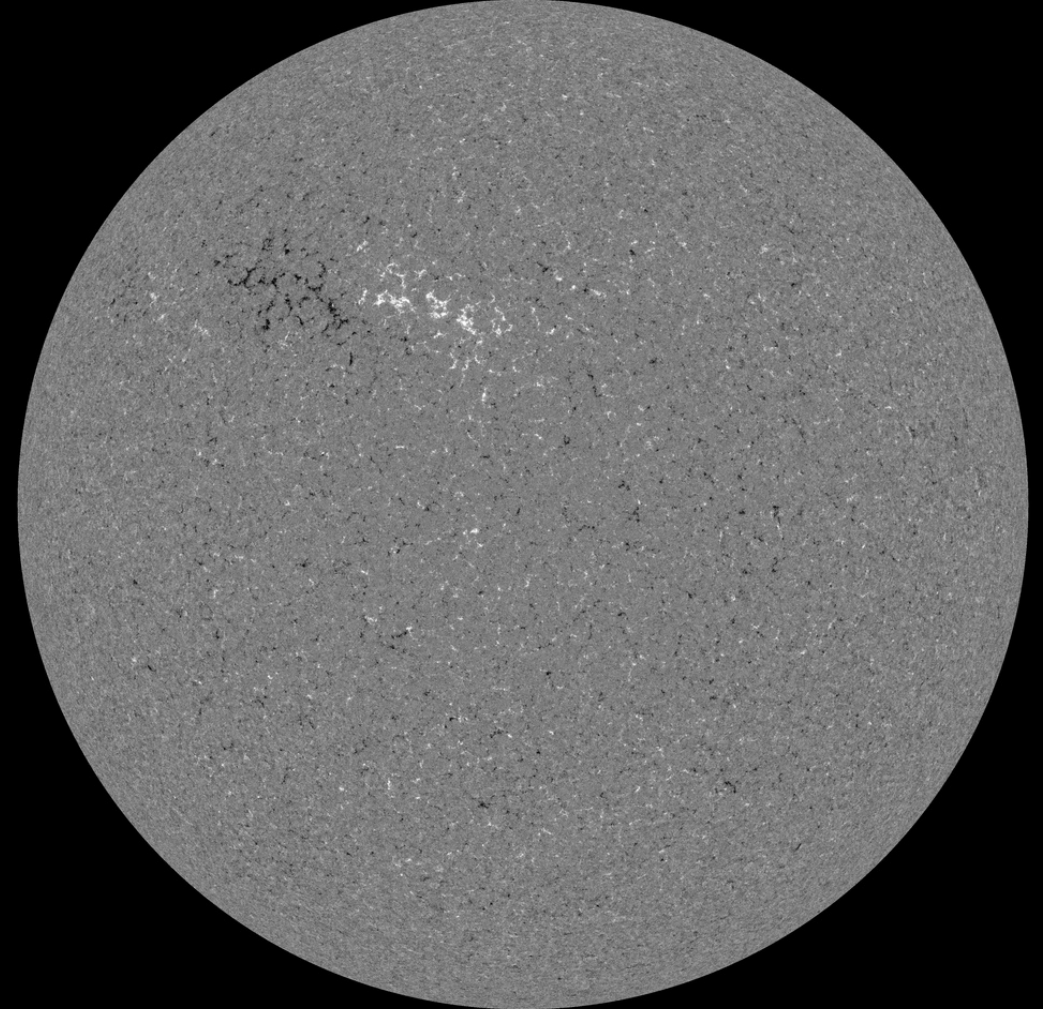
Solar active region - start of the week

SDO/HMI White Light 2020-08-30



SDO/HMI Quick-Look Continuum: 20200830_114500

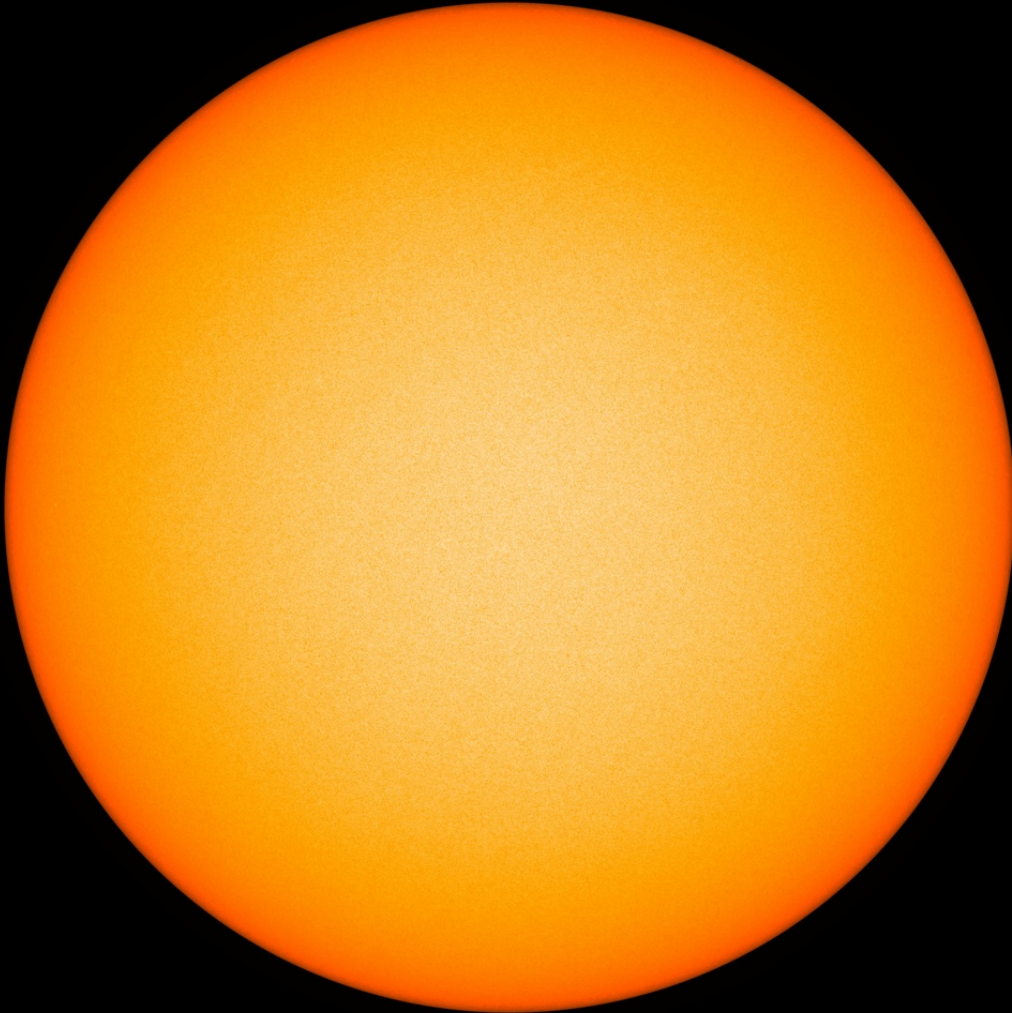
SDO/HMI Magnetogram 2020-08-30



SDO/HMI Quick-Look Magnetogram: 20200830_114500

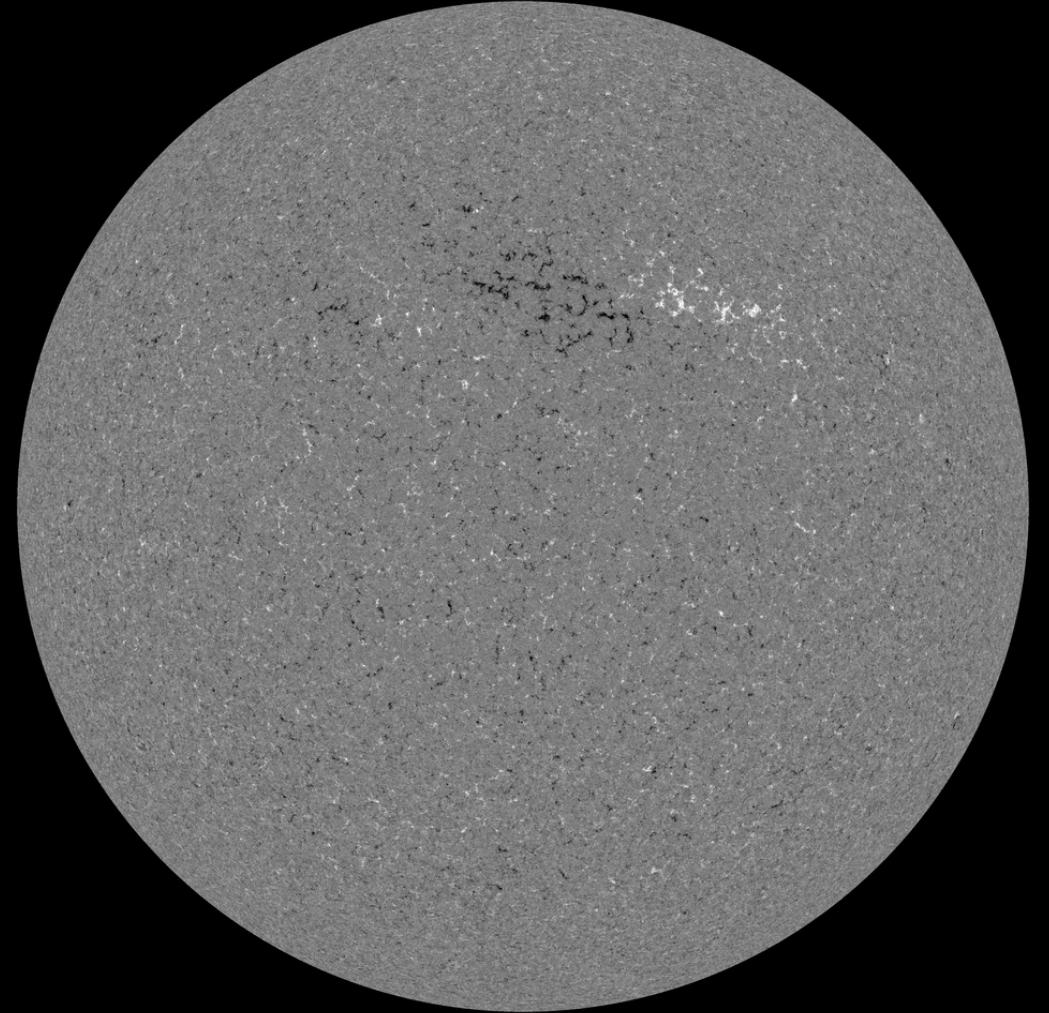
Solar active region - middle of the week

SDO/HMI White Light 2020-09-02



SDO/HMI Quick-Look Continuum: 20200902_114500

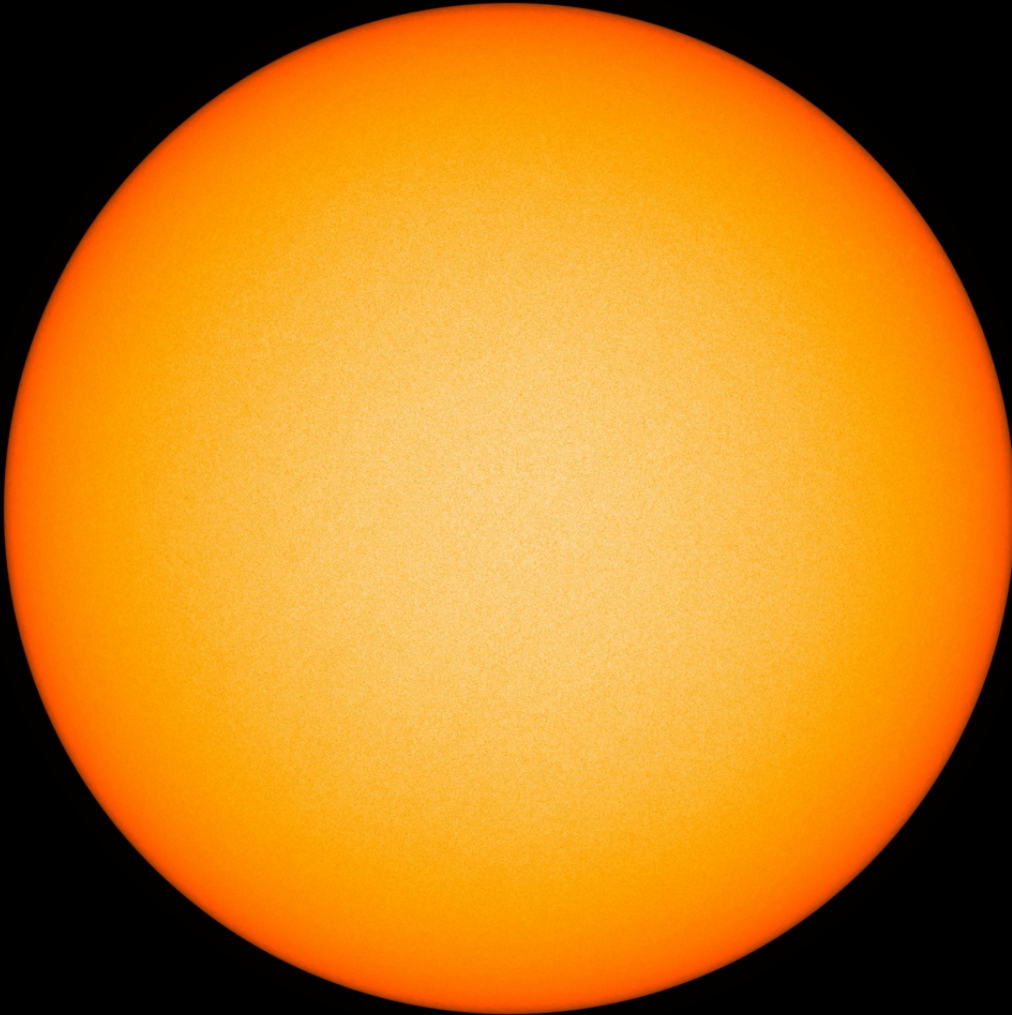
SDO/HMI Magnetogram 2020-09-02



SDO/HMI Quick-Look Magnetogram: 20200902_114500

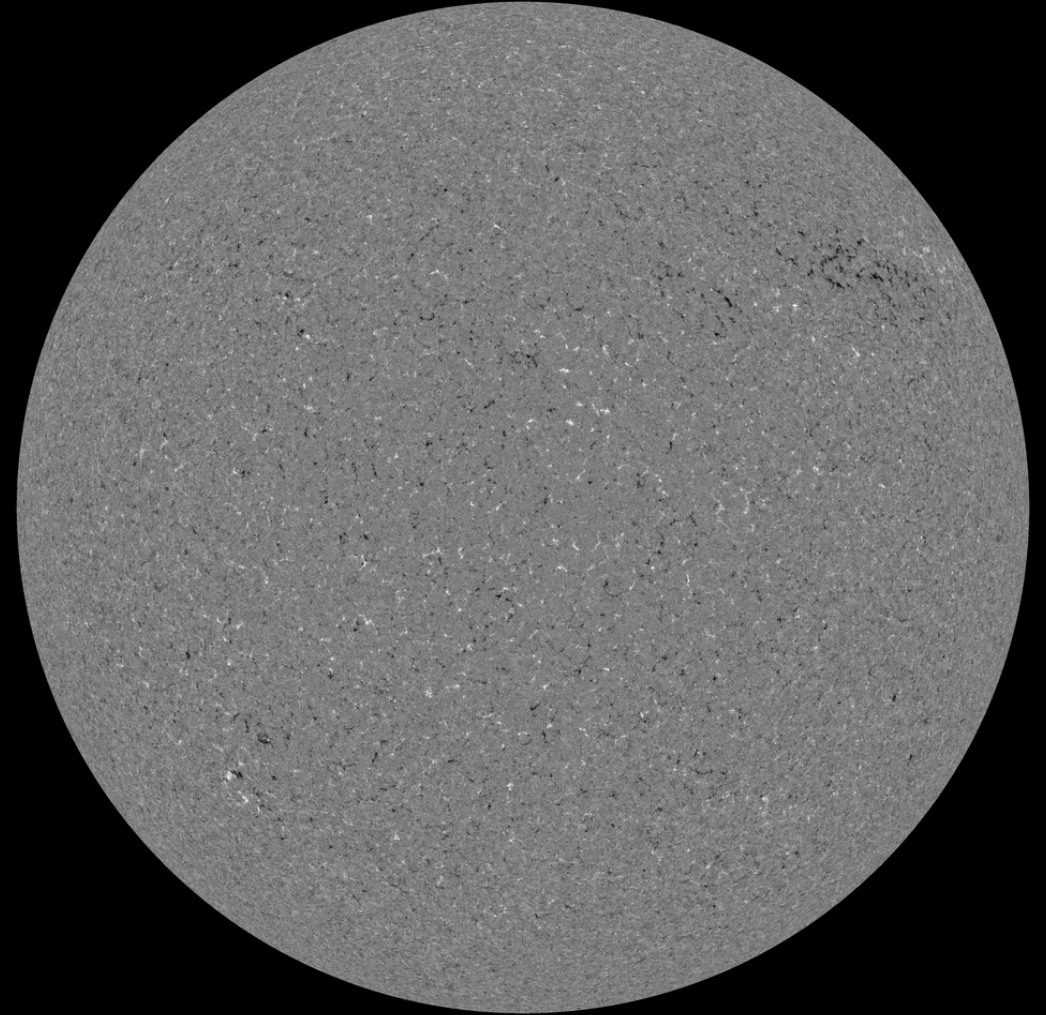
Solar active region - end of the week

SDO/HMI White Light 2020-09-06



SDO/HMI Quick-Look Continuum: 20200906_114500

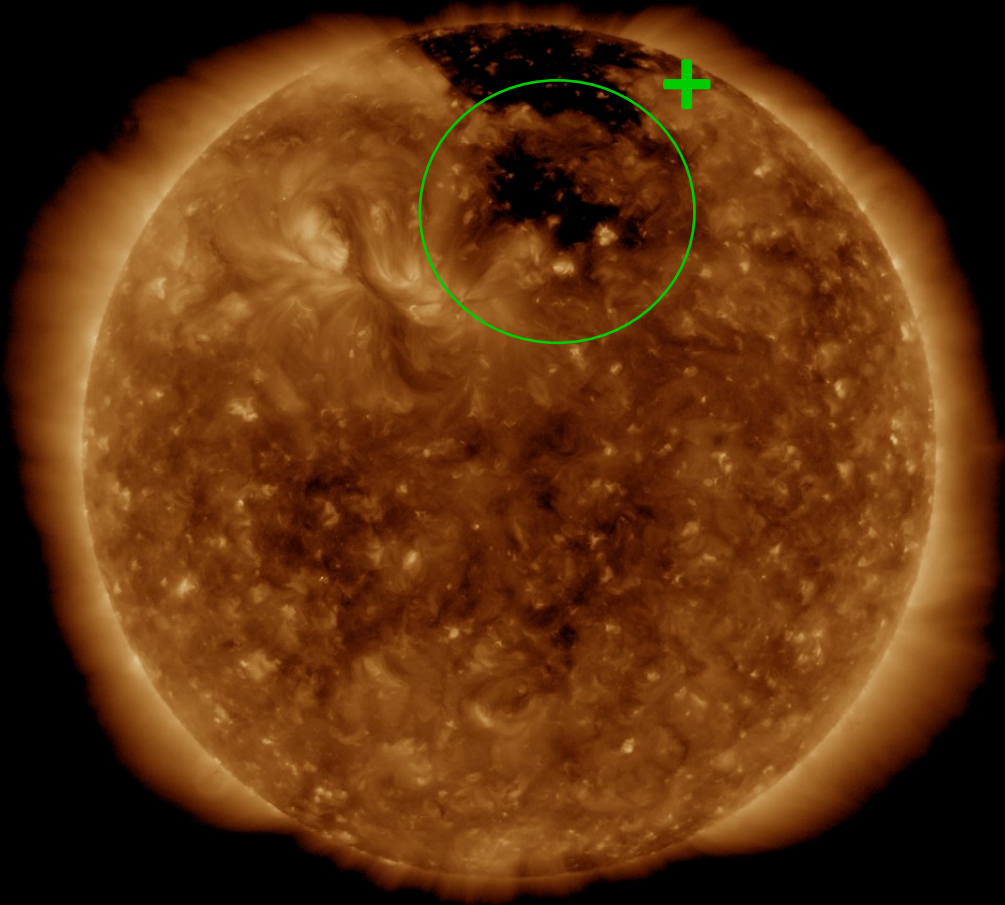
SDO/HMI Magnetogram 2020-09-06



SDO/HMI Quick-Look Magnetogram: 20200906_114500

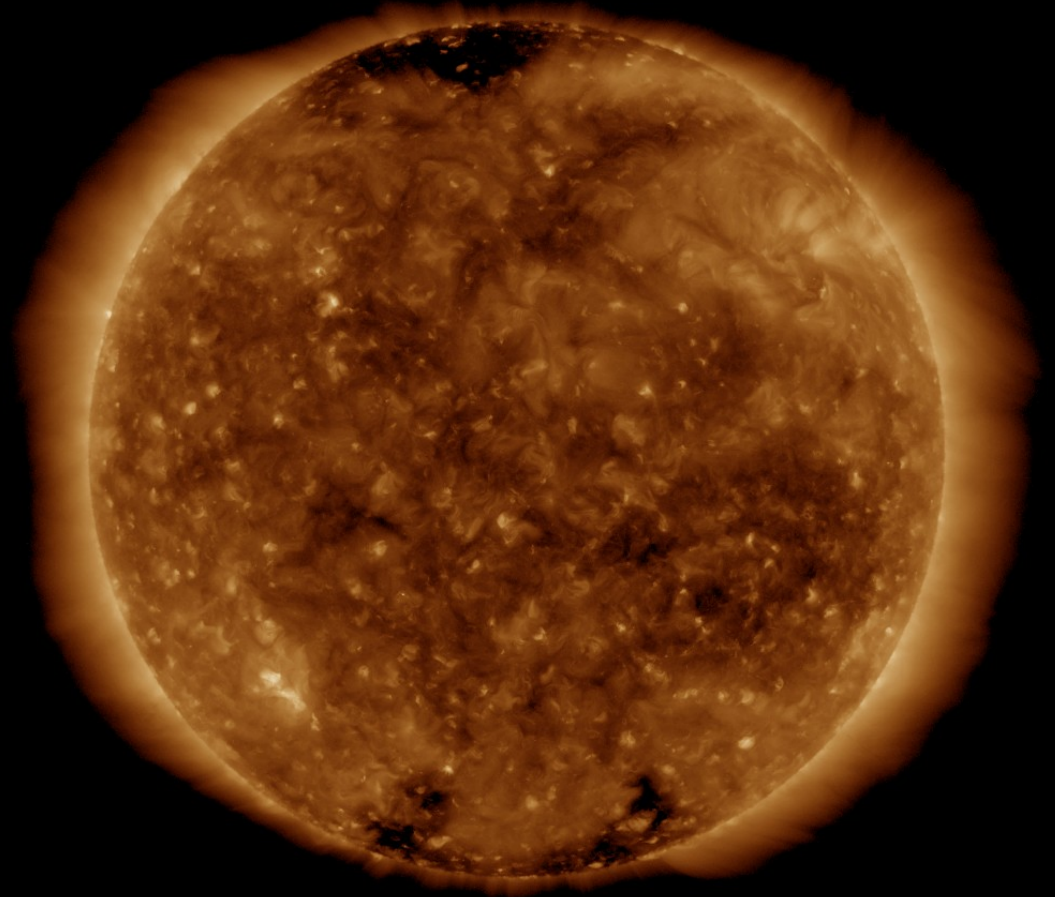
Solar active region & Coronal hole

SDO/AIA 19.3 nm 2020-08-30



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

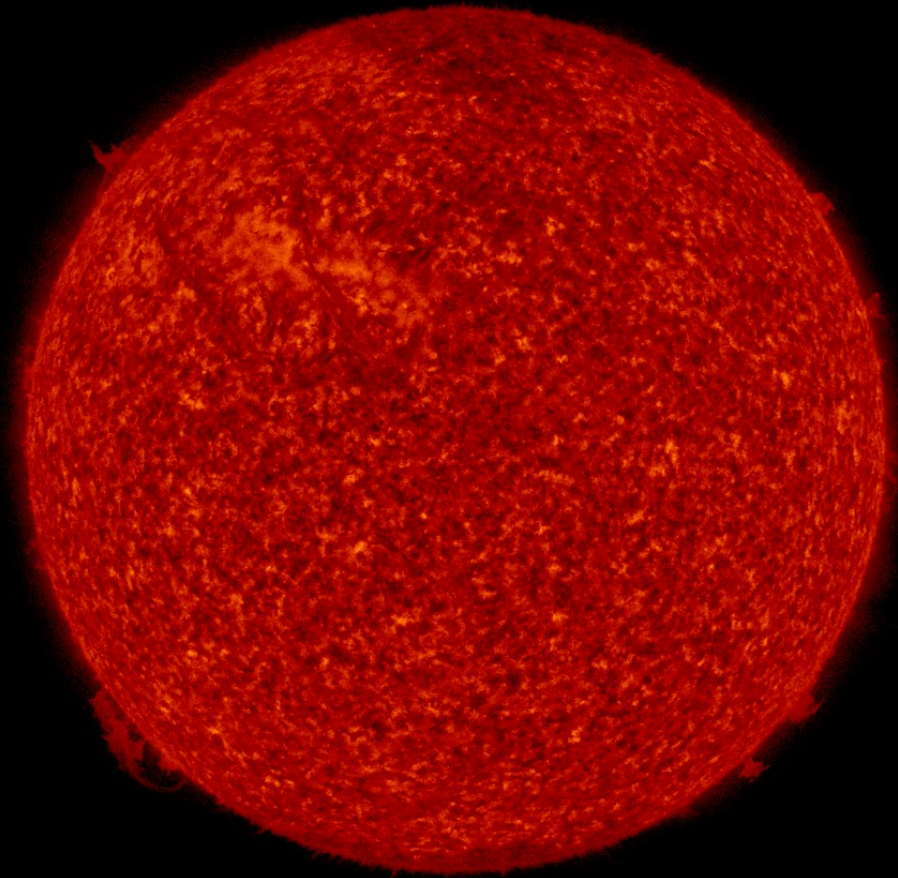
SDO/AIA 19.3 nm 2020-09-06



SDO/AIA 193 2020-09-06 12:18:17 UT

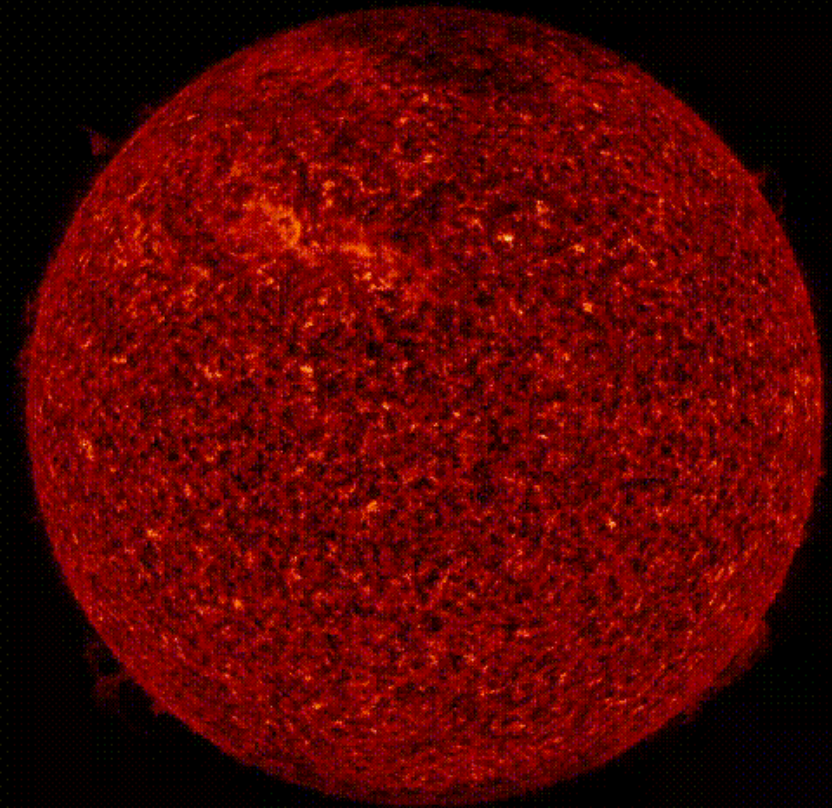
Solar active region & Filament

SDO/AIA 30.4 nm 2020-08-30



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

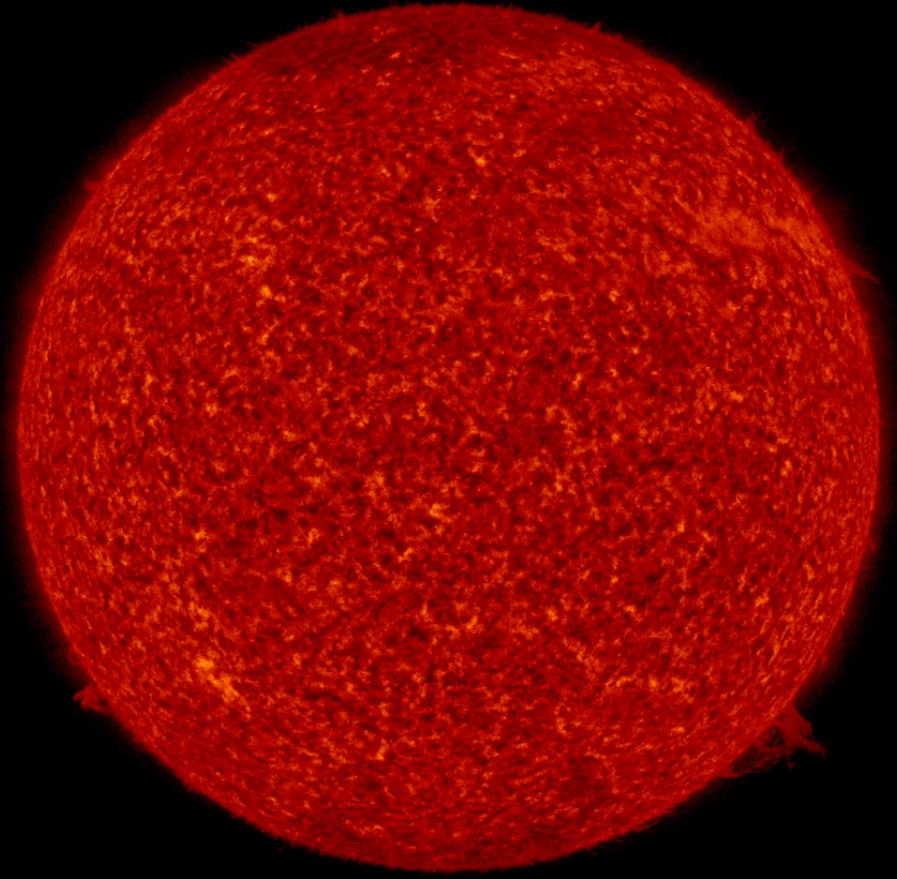
SDO/AIA 30.4 nm 2020-09-31



20-08-30T22:01:05

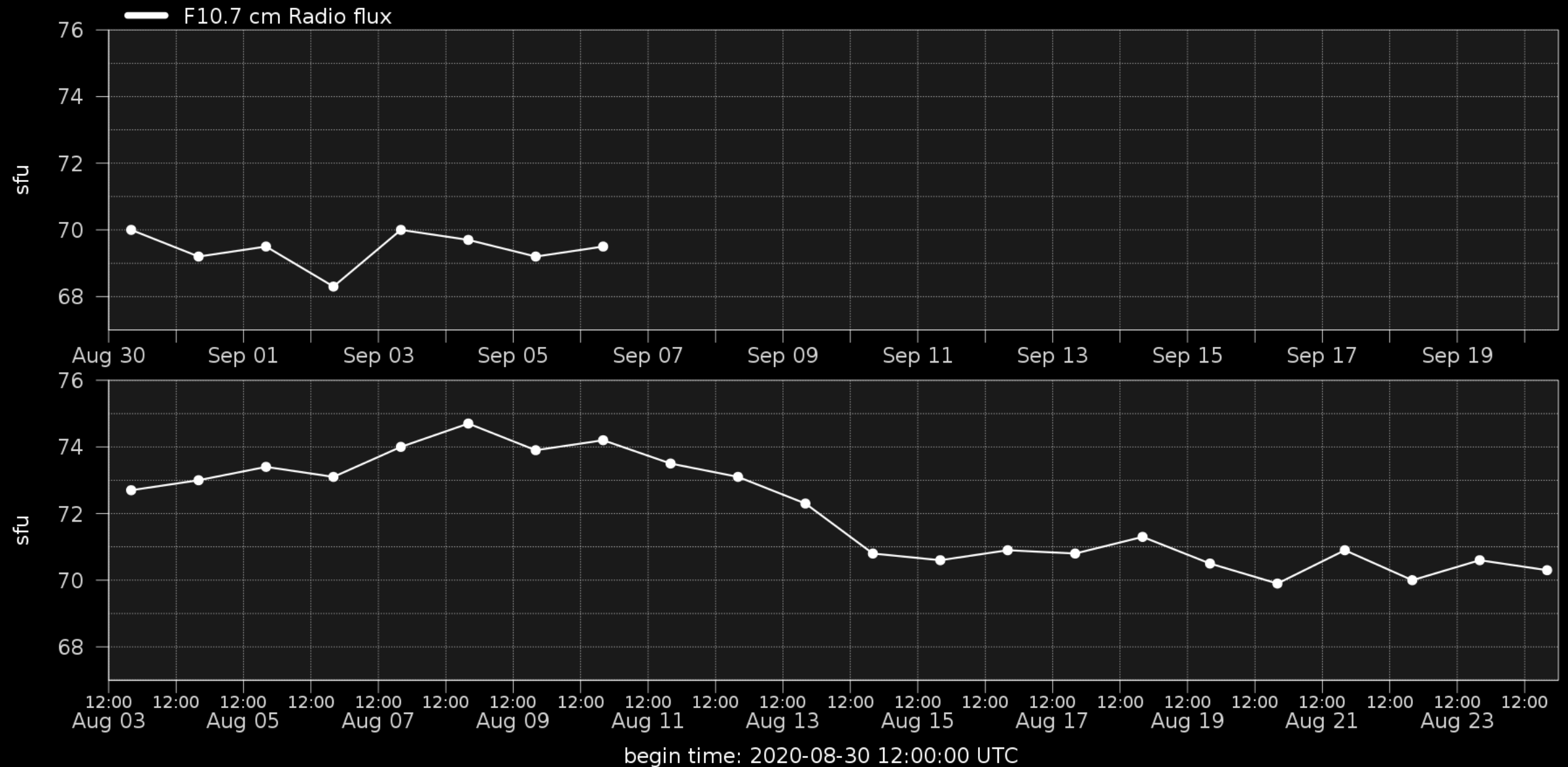
Solar active region & Filament

SDO/AIA 30.4 nm 2020-09-06

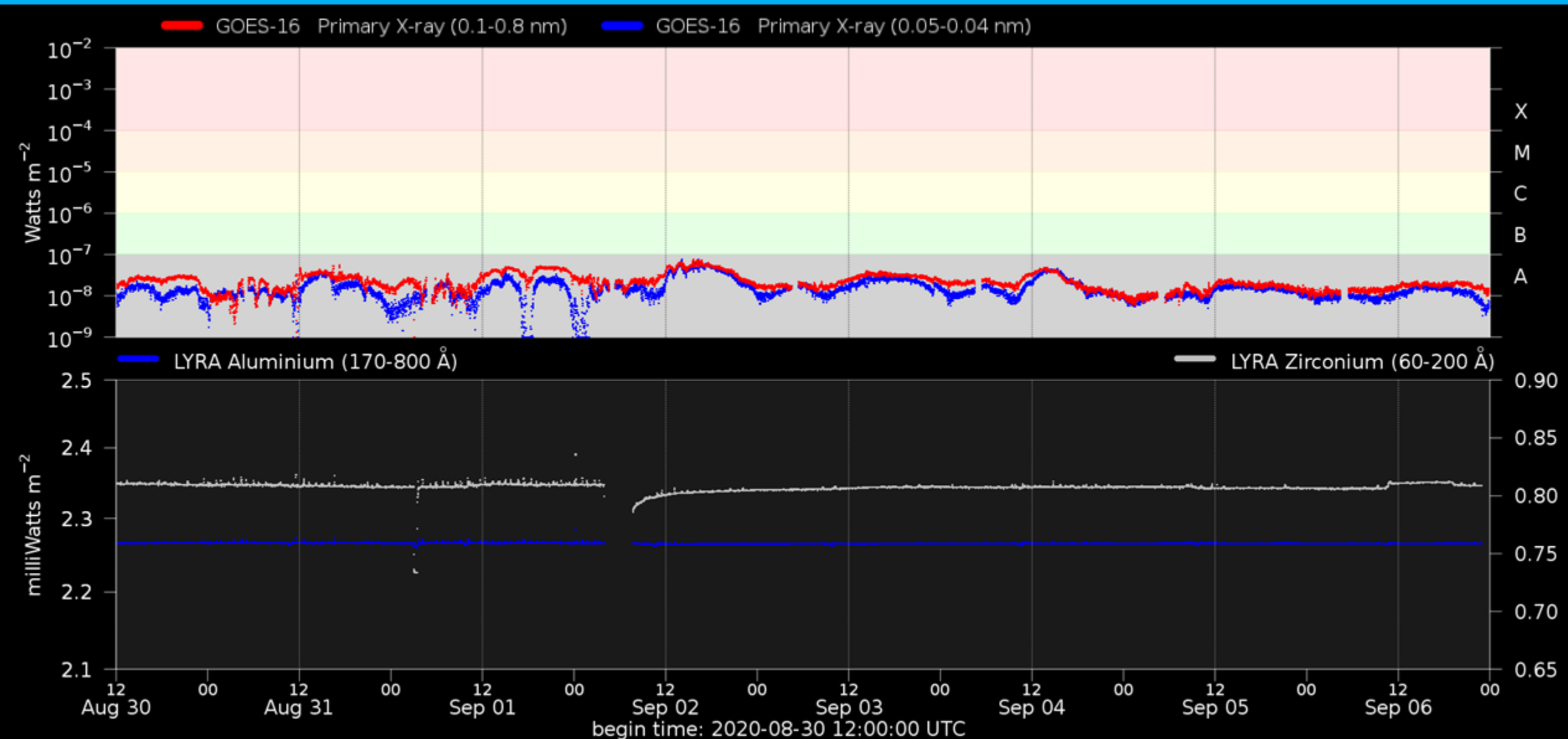


SDO/AIA 304 2020-09-06 12:18:54 UT

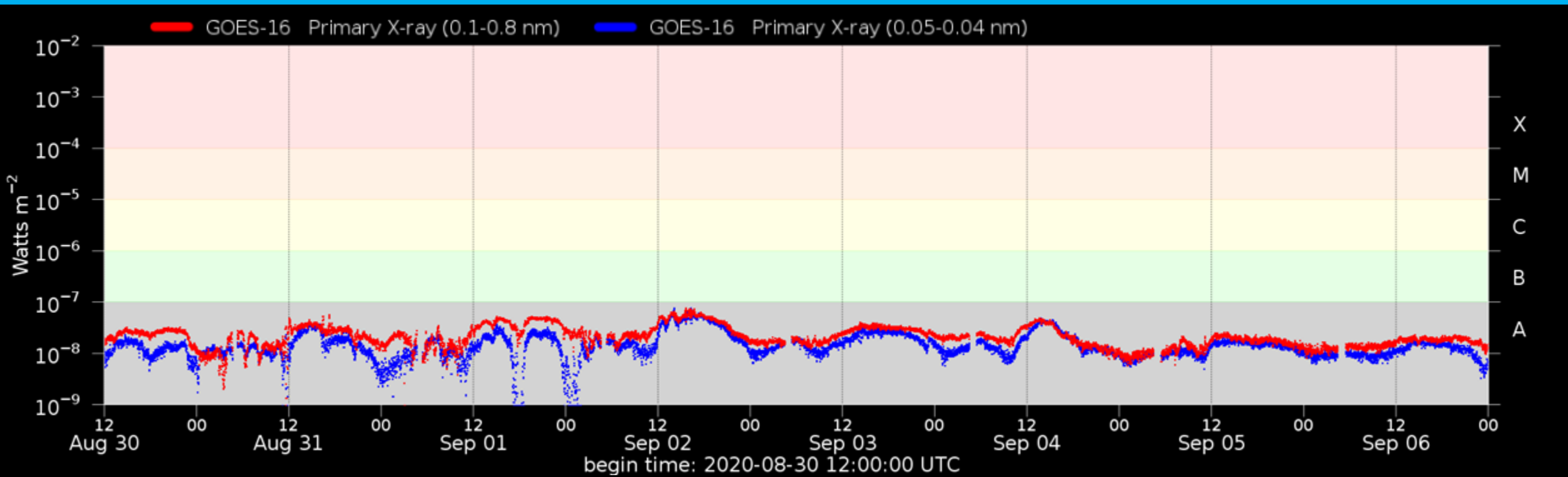
Solar F10.7cm radio flux



Solar X-Ray and UV flux



Flaring activity

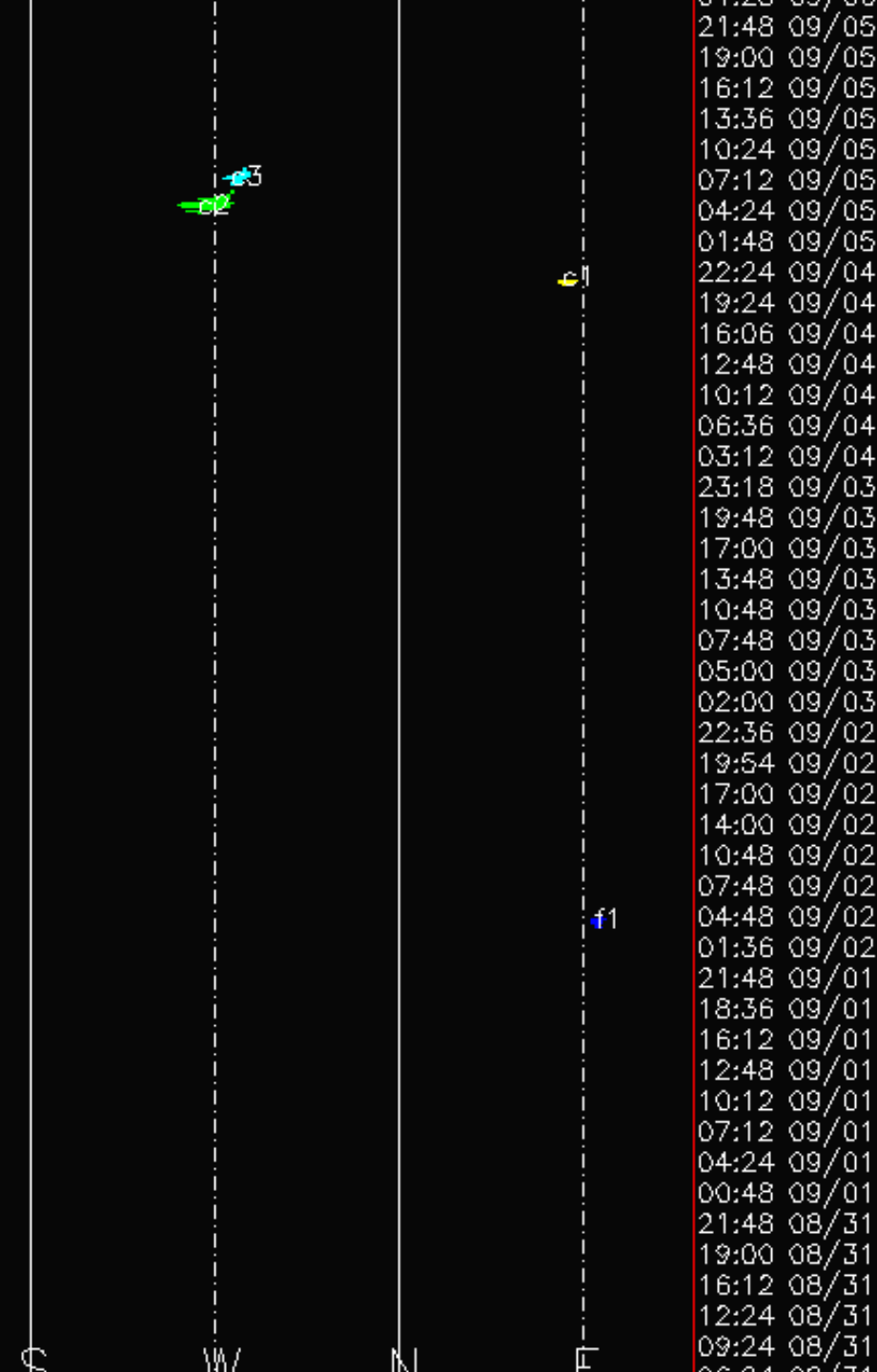


Probabilities (%) and occurrences (#) of B/C/M/X-flares issued at 12:30 and over the next 24h:

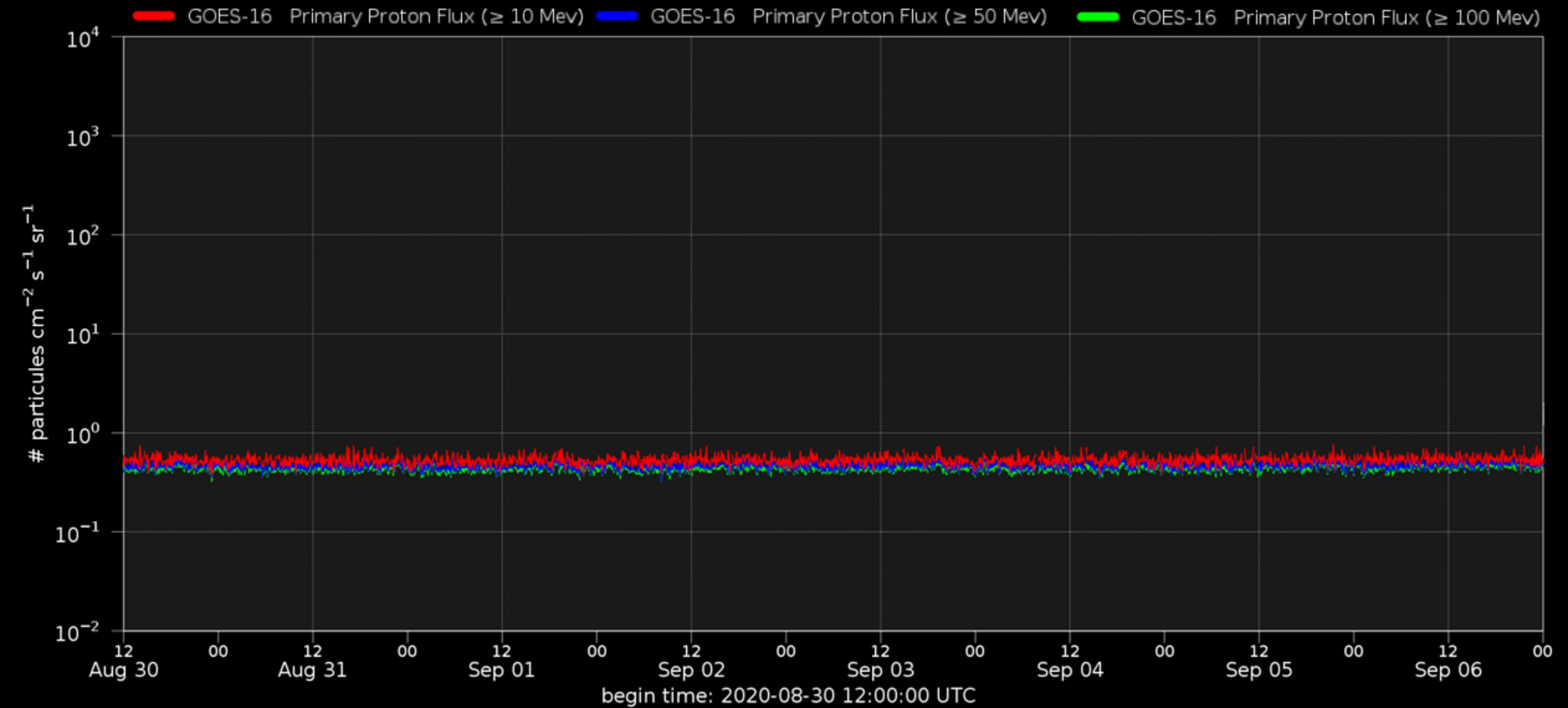
Issue date	2020-08-30	2020-08-31	2020-09-01	2020-09-02	2020-09-03	2020-09-04	2020-09-05	2020-09-06
Probability	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01	--- 01 01 01
Observed	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

Coronal Mass Ejection

No Earth-directed CMEs



Solar proton flux

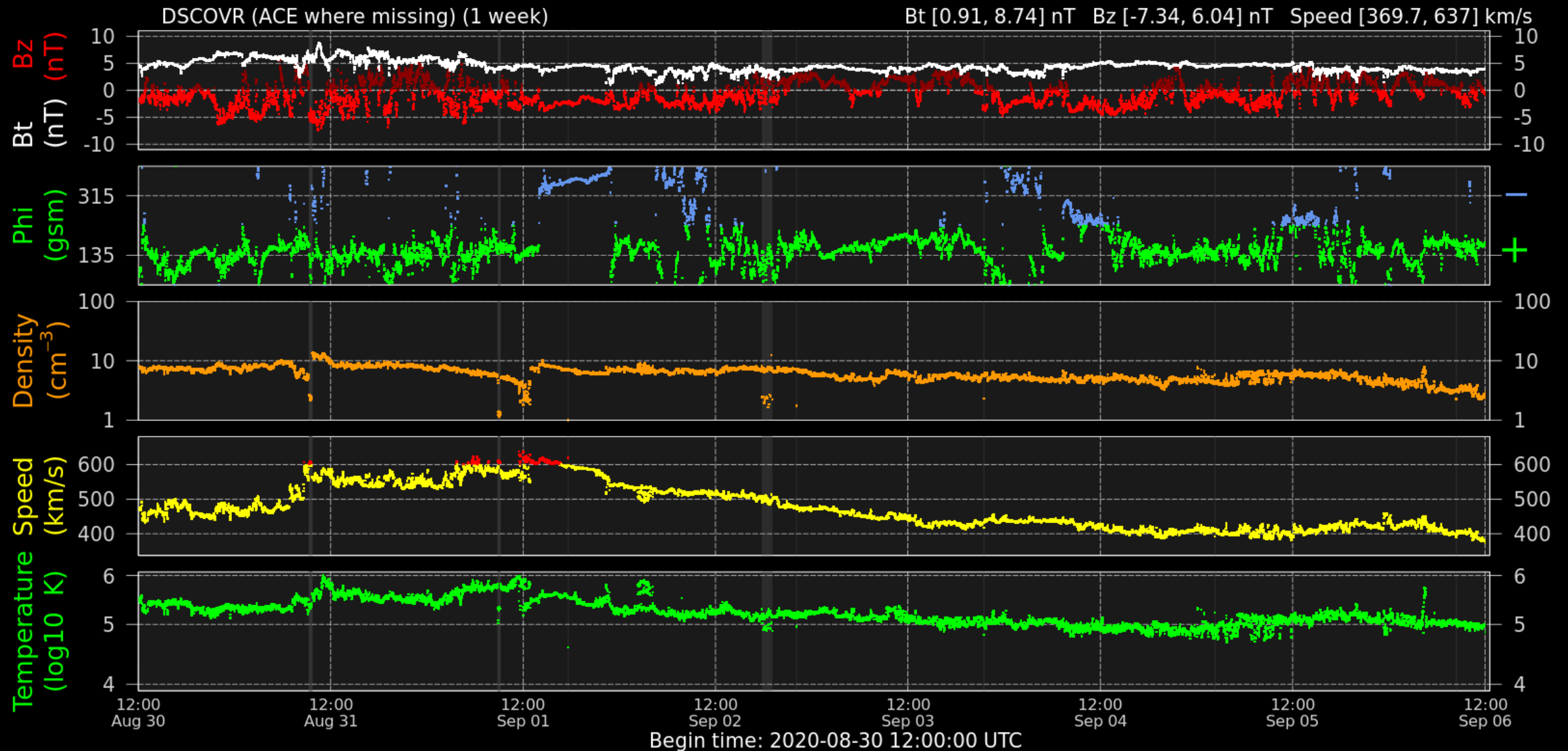


Solar Wind and Geomagnetic Activity



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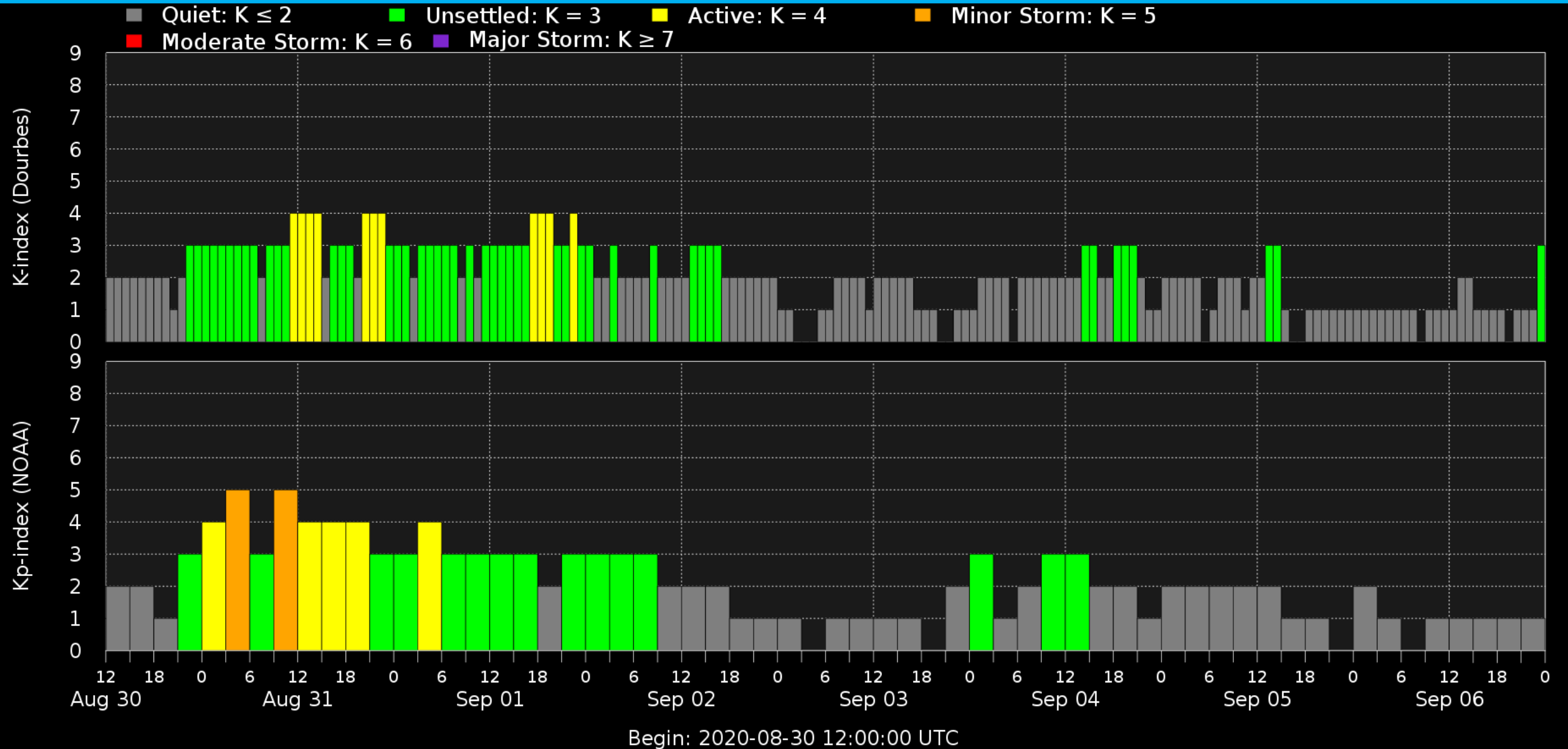
Solar wind parameters



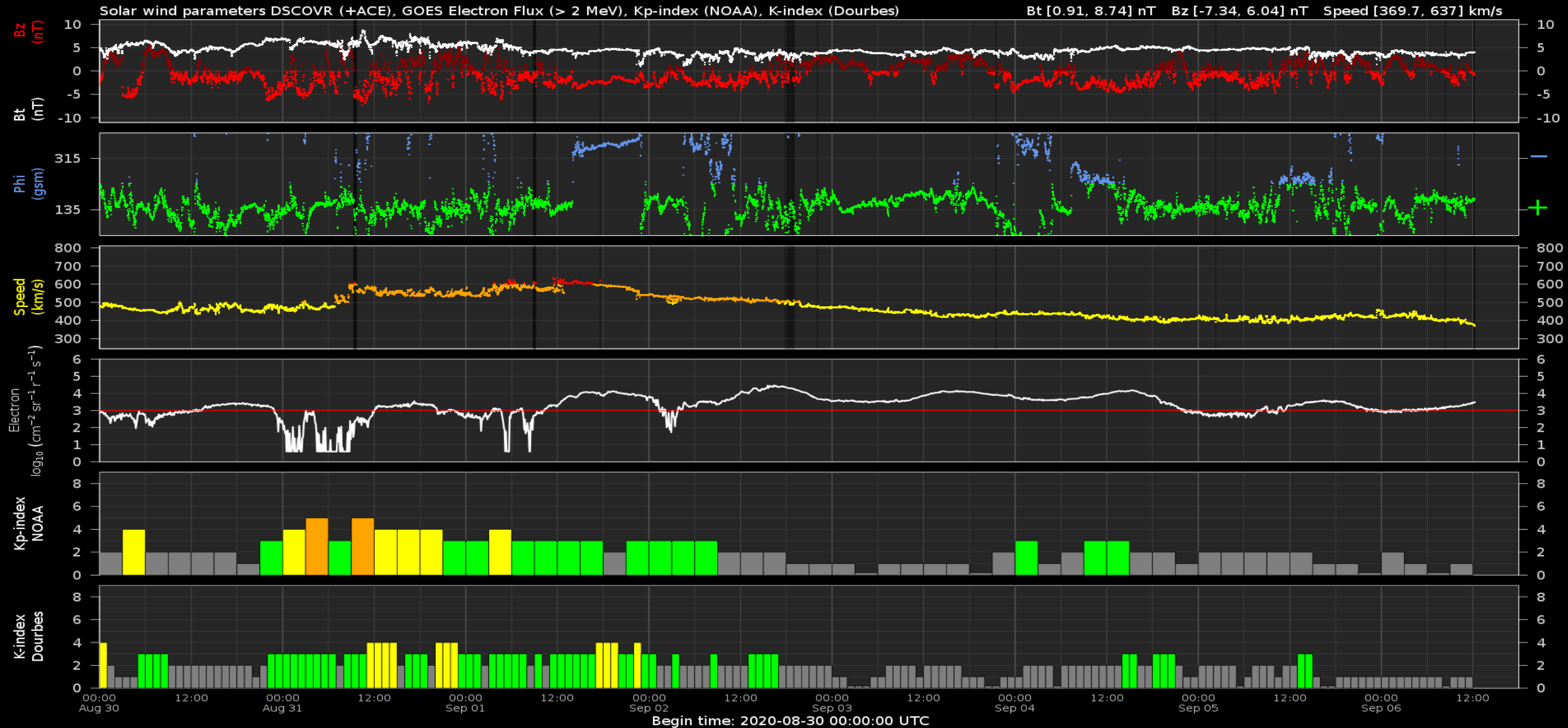
Solar wind parameters & K-index (DSCOVR/Dourbes)



Geomagnetic activity (K-indexes)



Electron Flux >2MeV



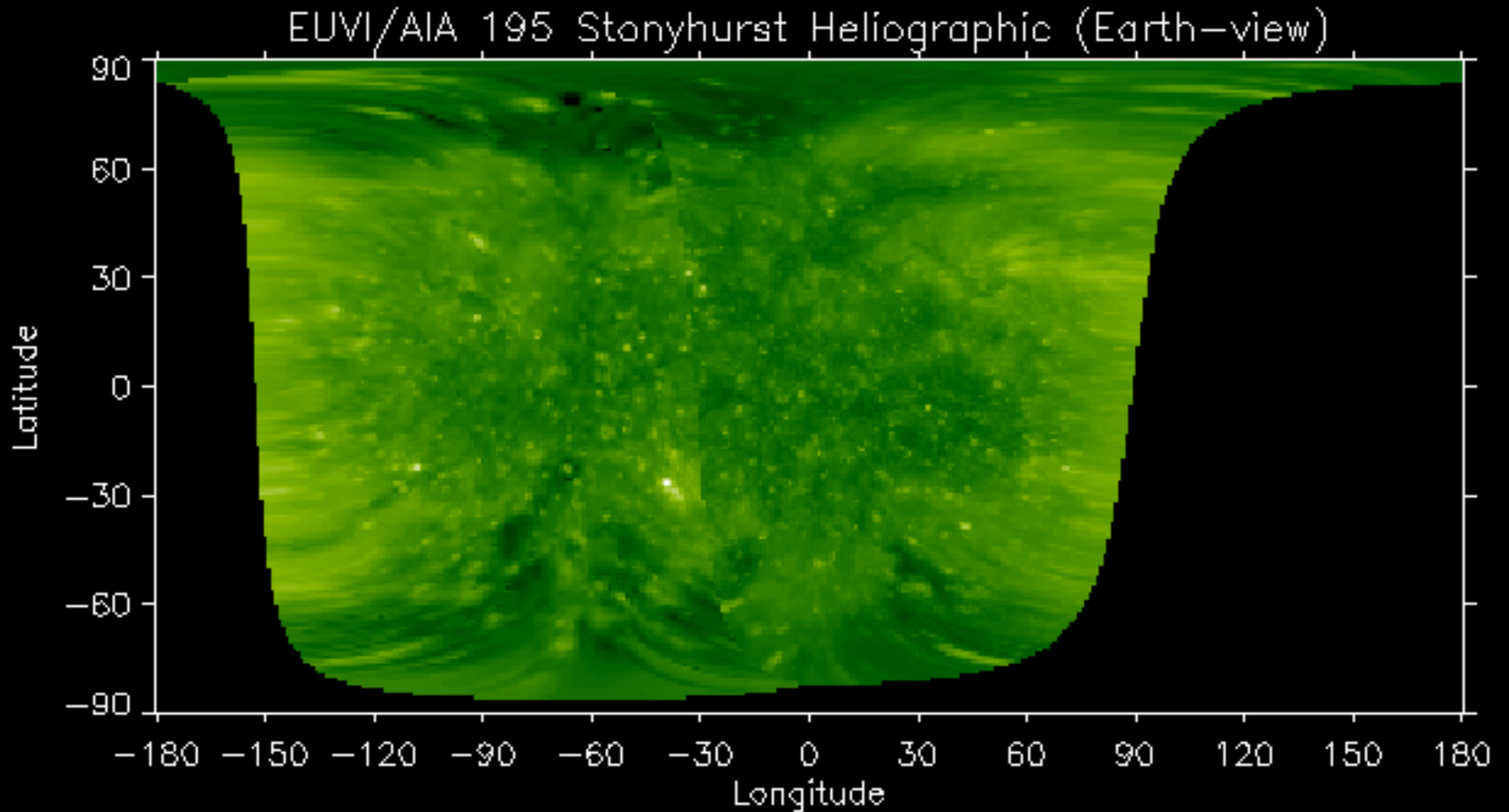
Outlook



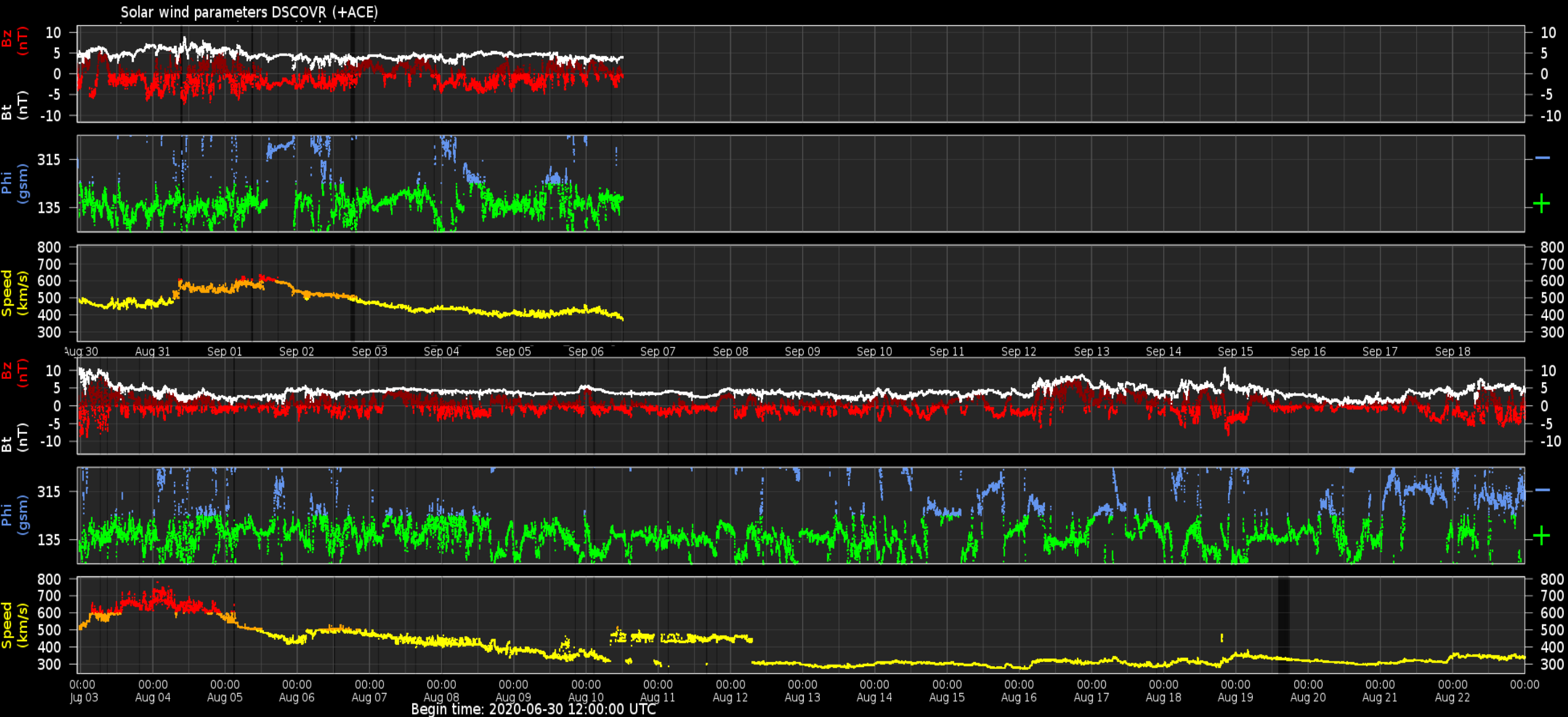
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of Belgium

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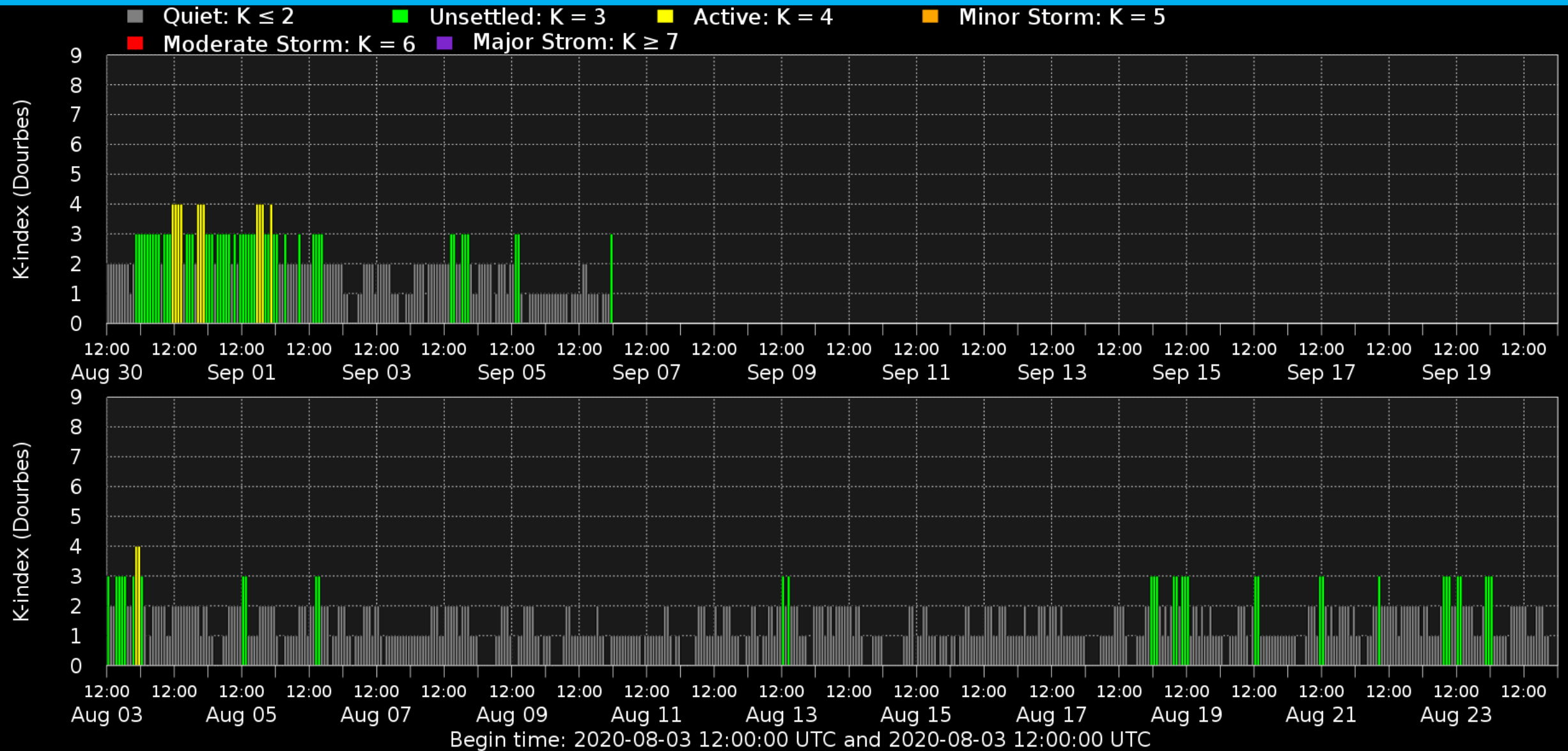
Outlook: Solar activity



Outlook: Solar wind



Outlook: Geomagnetic activity



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