

SIDC Space Weather Briefing

18 August 2019 - 25 August 2019

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& the SIDC forecaster team



Royal Observatory
of Belgium

Solar Influences
Data analysis Centre
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Summary Report

Solar activity from 2019-08-18 12:00 UT to 2019-08-25 12:00 UT

Active regions	None
Flaring	# B-class flare: 0 # C-class flare: 0 # M-class flare: 0 # X-class flare: 0
Filaments	No filament eruption
CMEs	None
Proton Events	Background levels

Solar wind and geomagnetic conditions from 2019-08-18 12:00 UT to 2019-08-25 12:00 UT

Coronal Holes	One equatorial coronal hole (negative polarity) facing Earth on August 25
ICME	None
SW Conditions	Nominal conditions
K-indices	max K-index (Dourbes): 2.0 max Kp-index (NOAA): 2

All Quiet Alert: All quiet until August 25.

Solar Activity

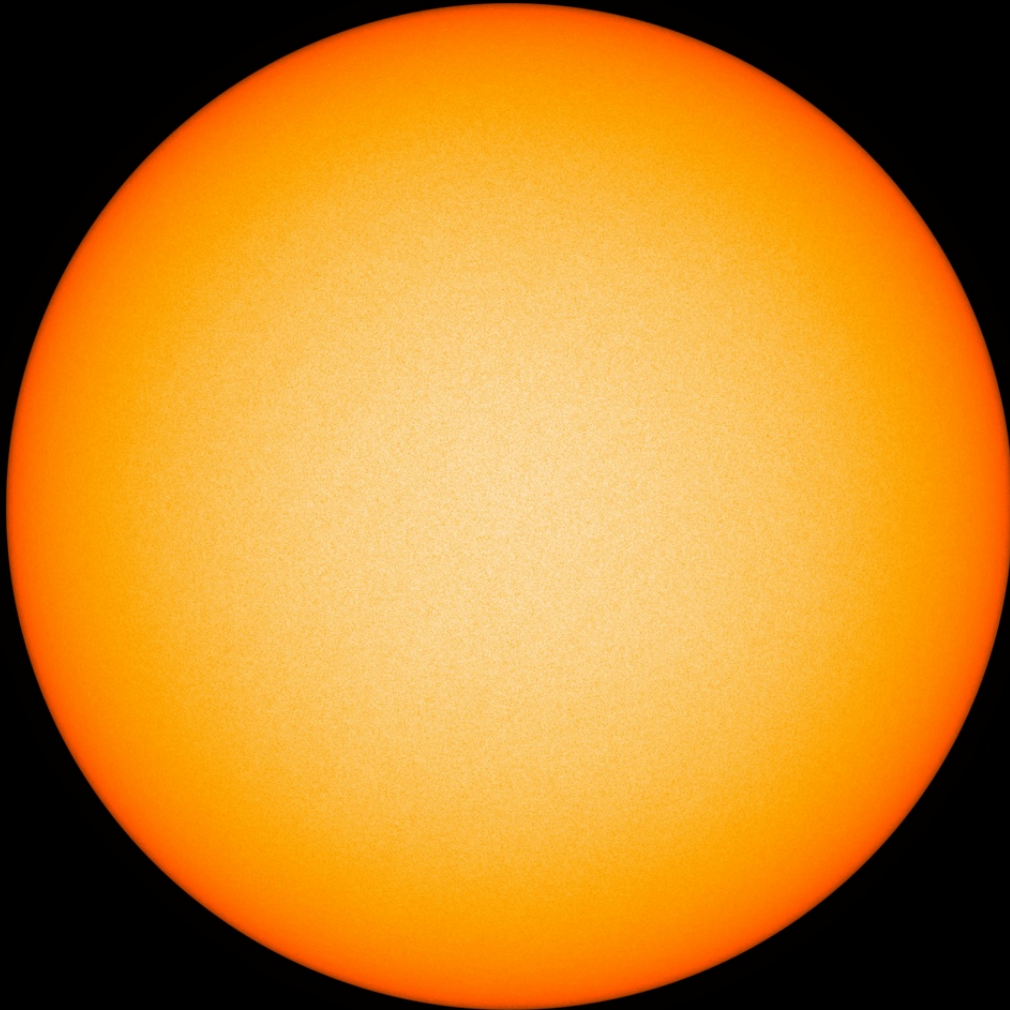


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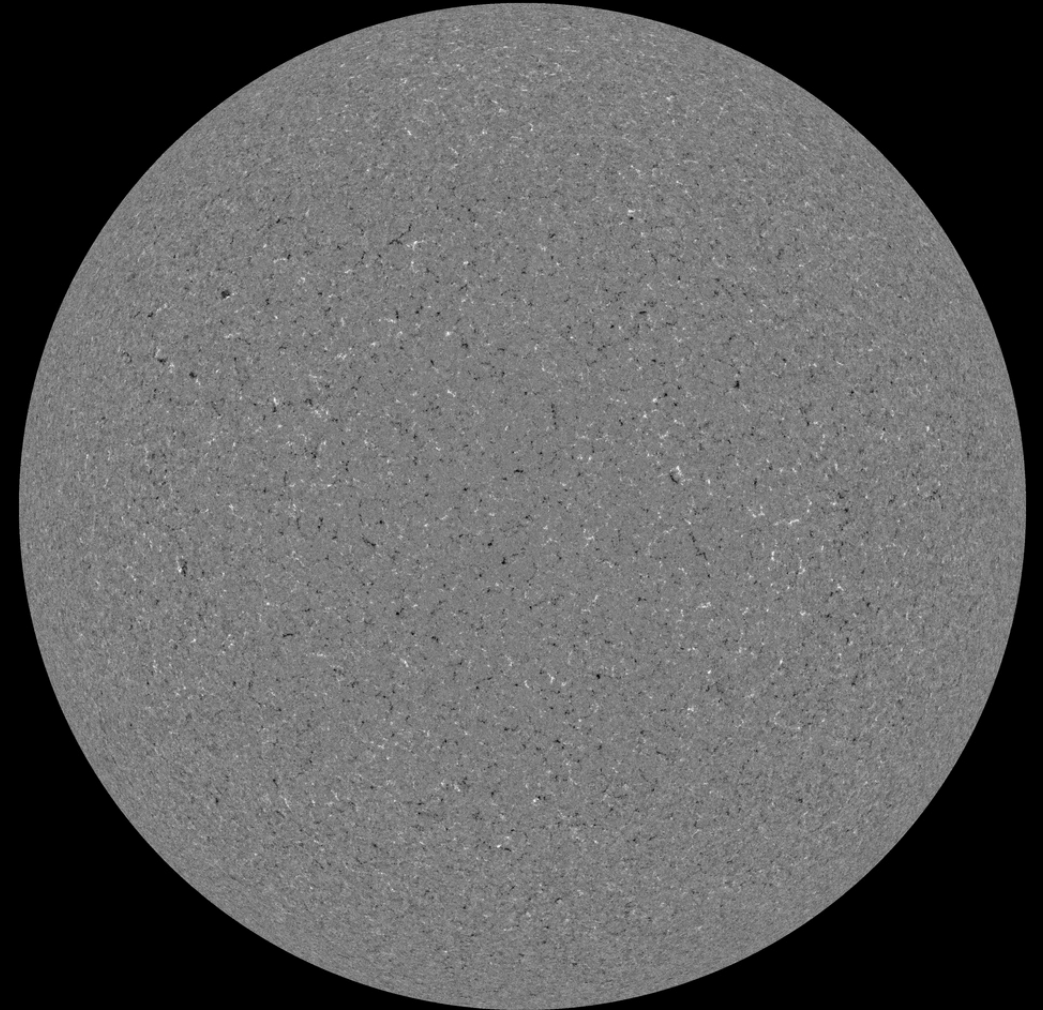
Solar active region - start of the week

SDO/HMI White Light 2019-08-18



SDO/HMI Quick-Look Continuum: 20190818_120000

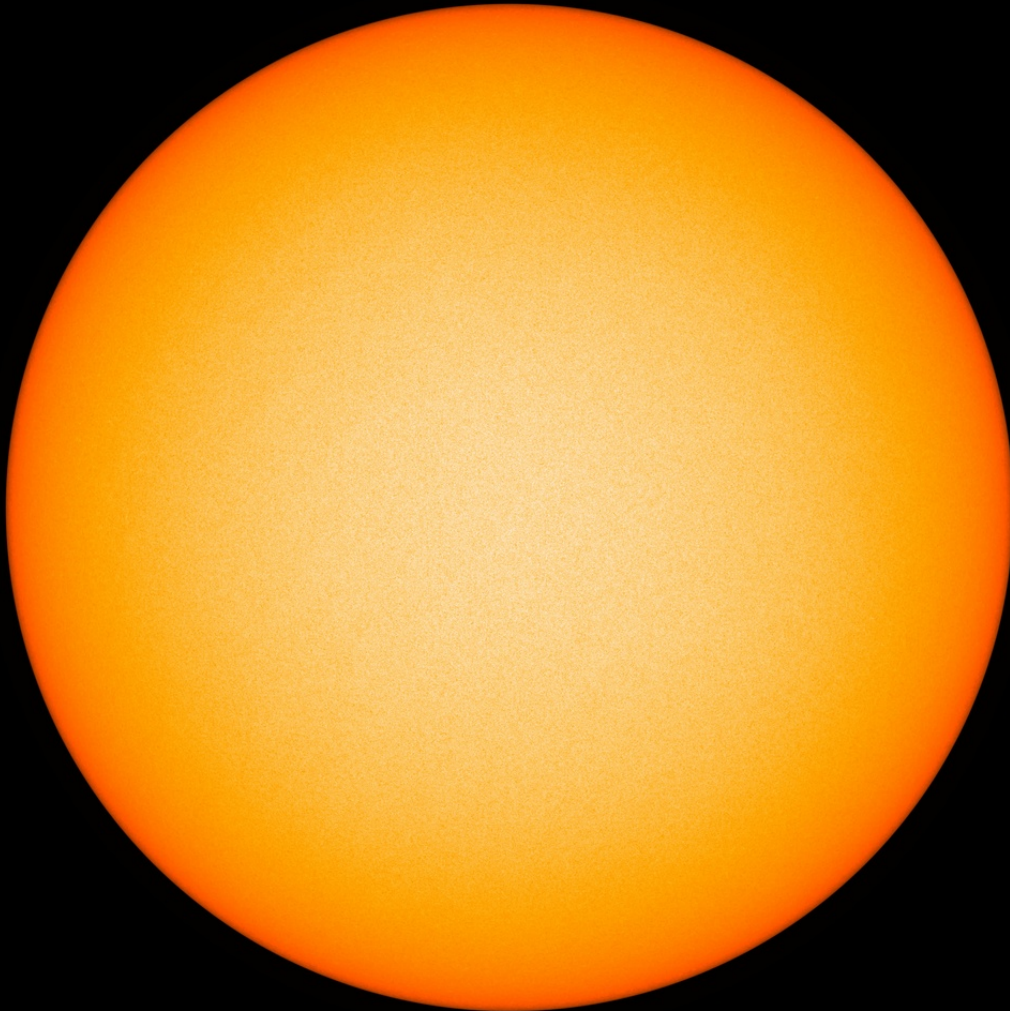
SDO/HMI Magnetogram 2019-08-18



SDO/HMI Quick-Look Magnetogram: 20190818_114500

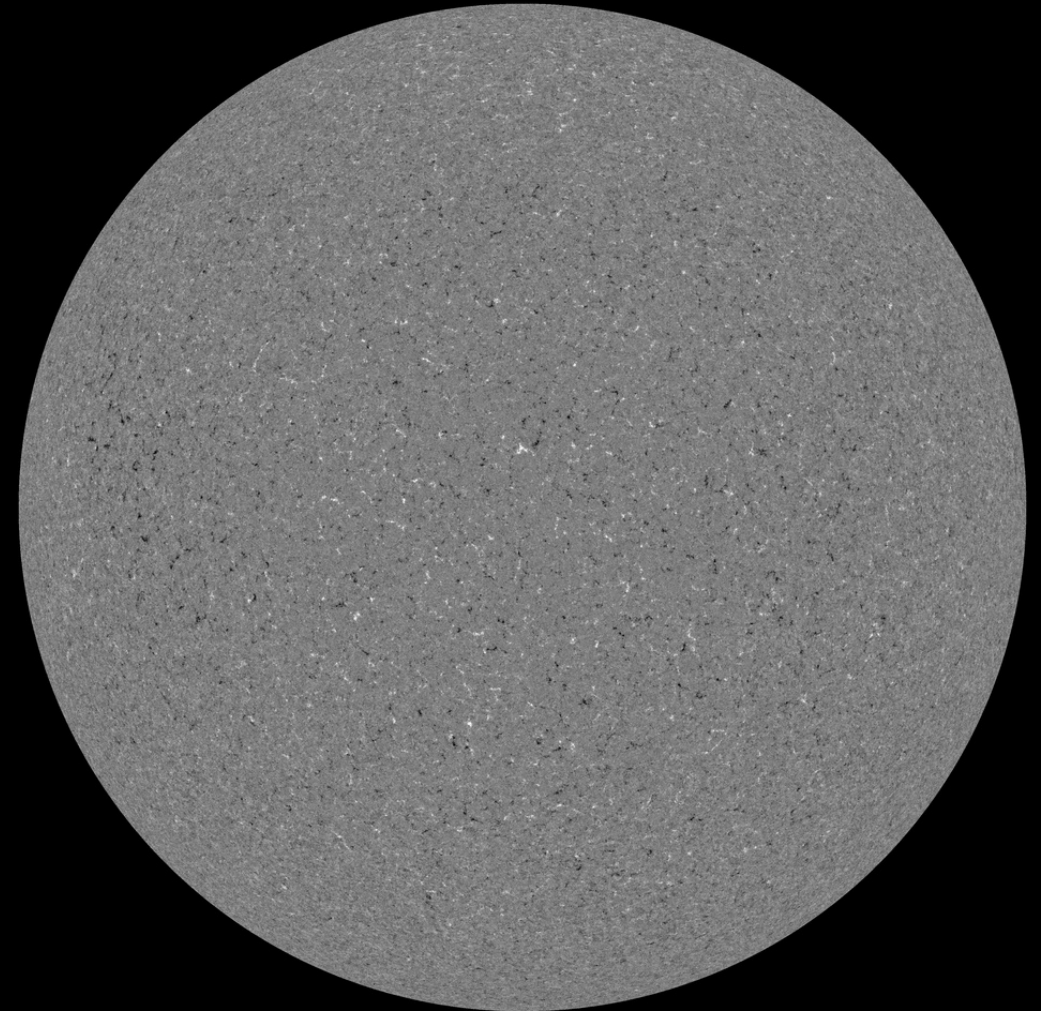
Solar active region - middle of the week

SDO/HMI White Light 2019-08-21



SDO/HMI Quick-Look Continuum: 20190821_120000

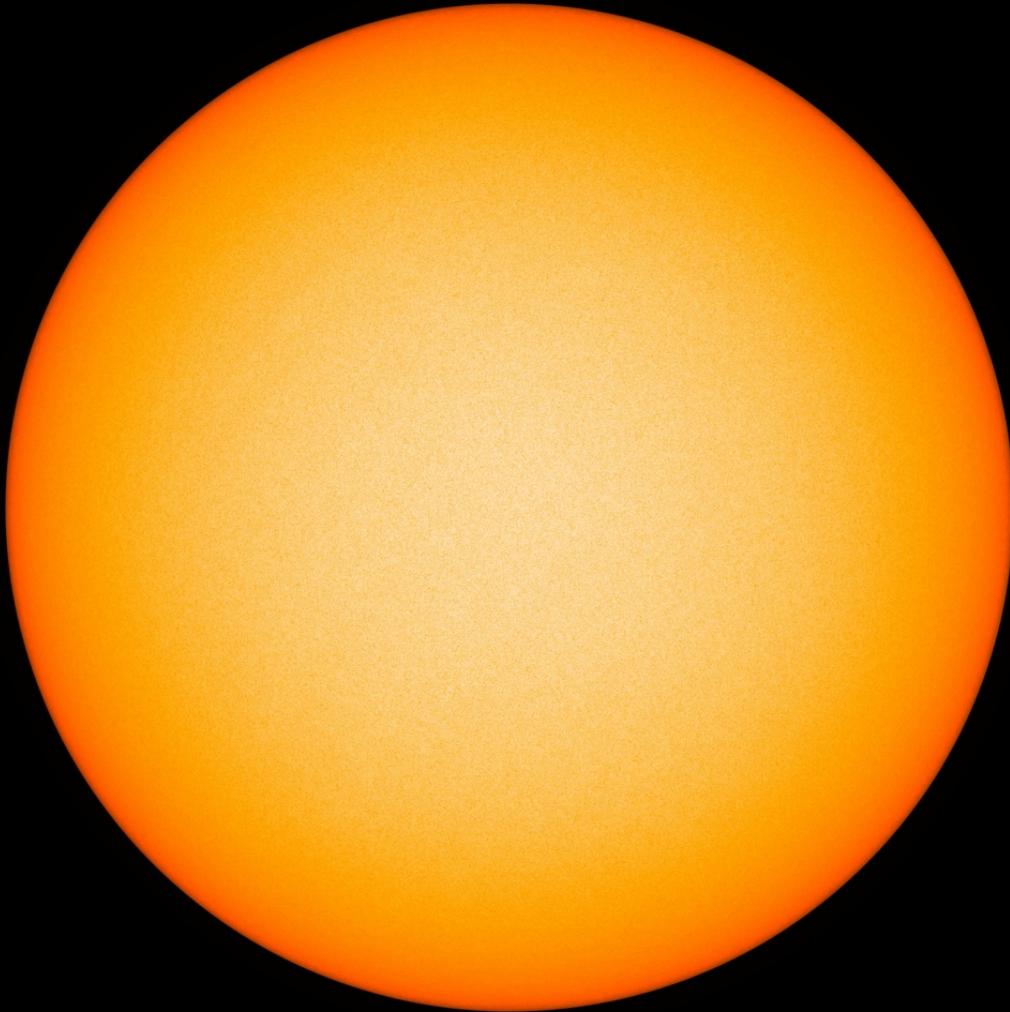
SDO/HMI Magnetogram 2019-08-21



SDO/HMI Quick-Look Magnetogram: 20190821_114500

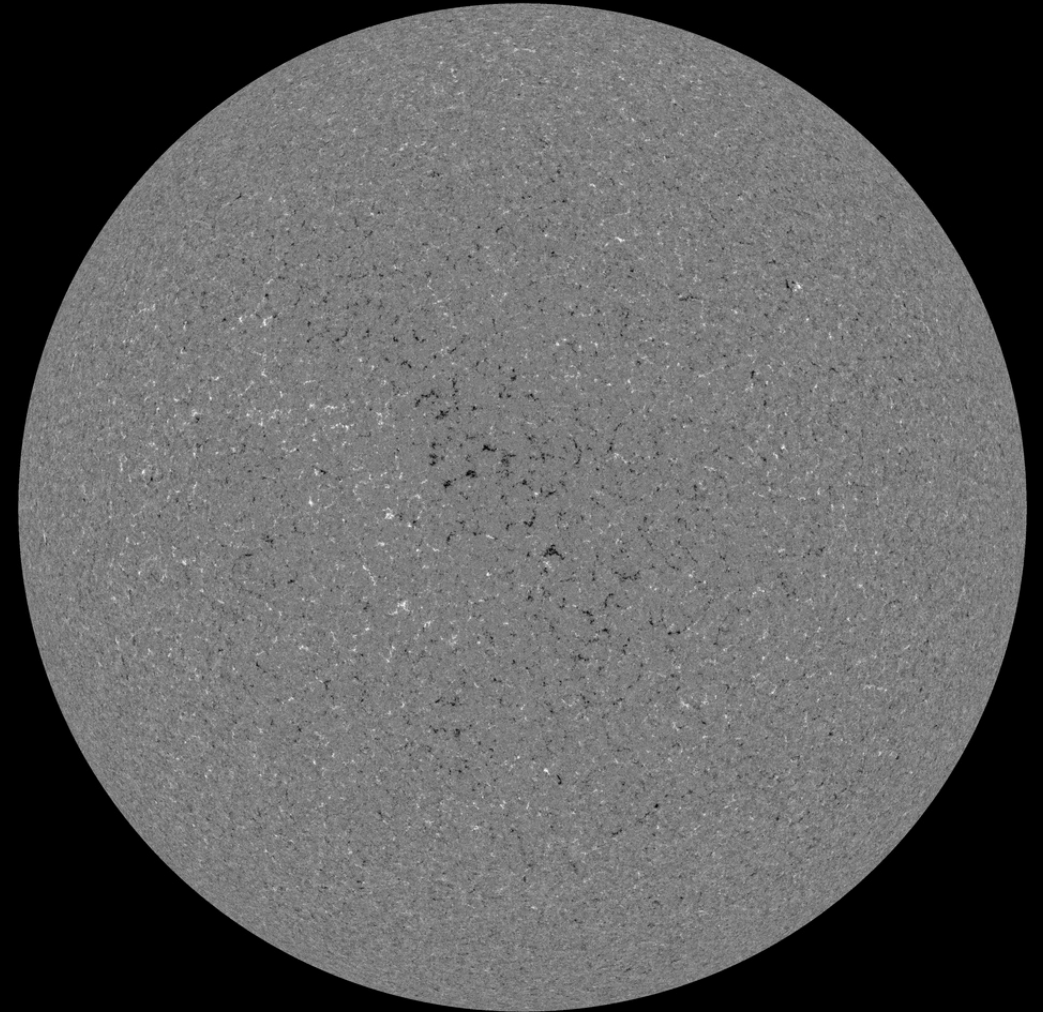
Solar active region - end of the week

SDO/HMI White Light 2019-08-25



SDO/HMI Quick-Look Continuum: 20190825_091500

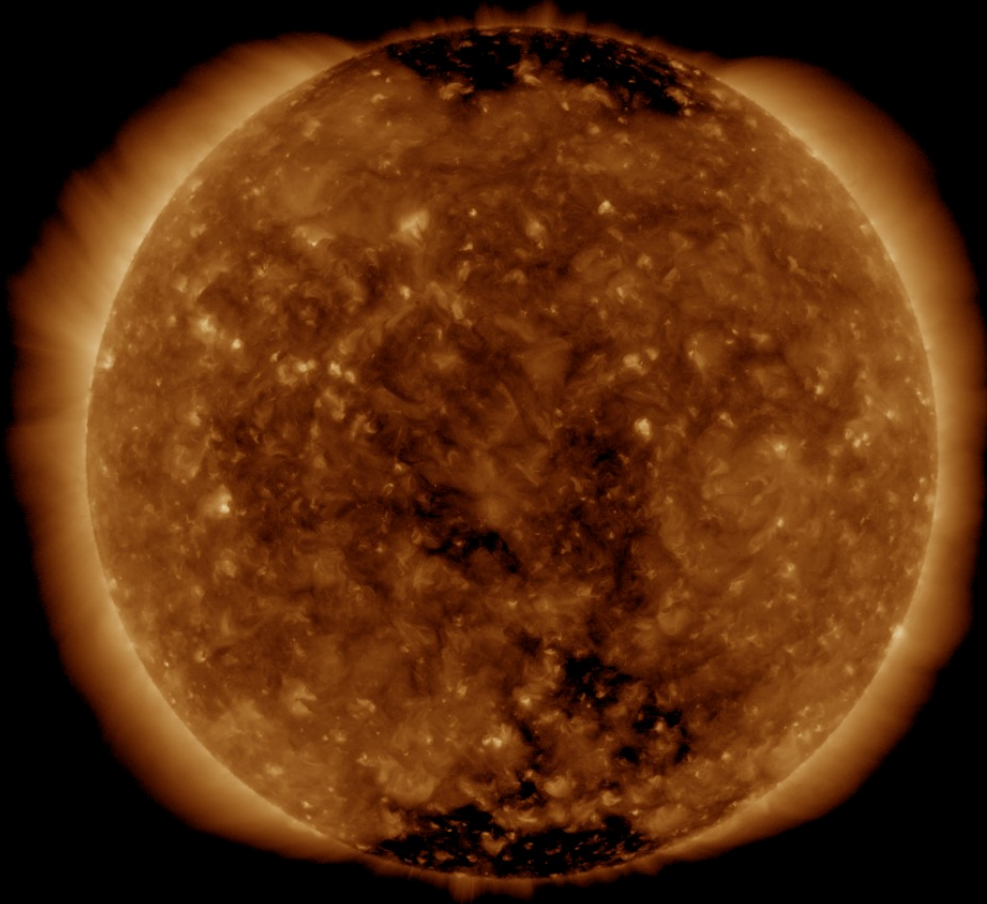
SDO/HMI Magnetogram 2019-08-25



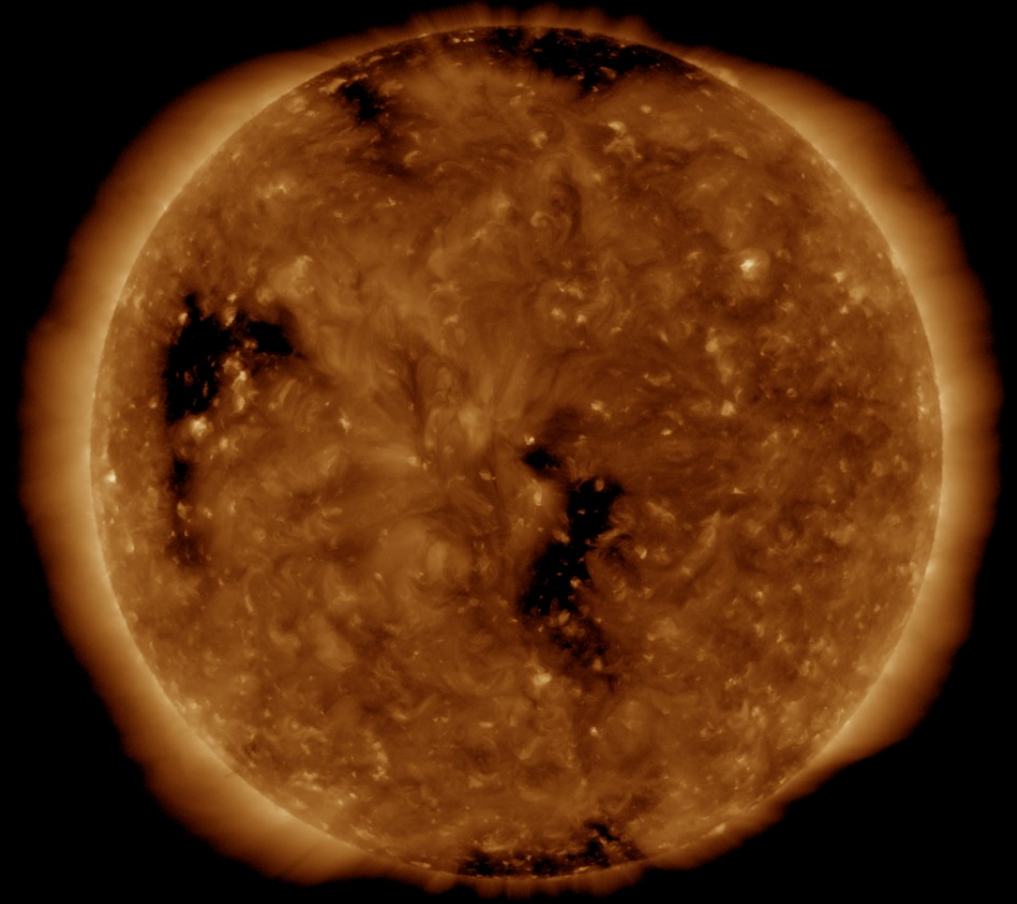
SDO/HMI Quick-Look Magnetogram: 20190825_091500

Solar active region & Coronal hole

SDO/AIA 19.3 nm 2019-08-18



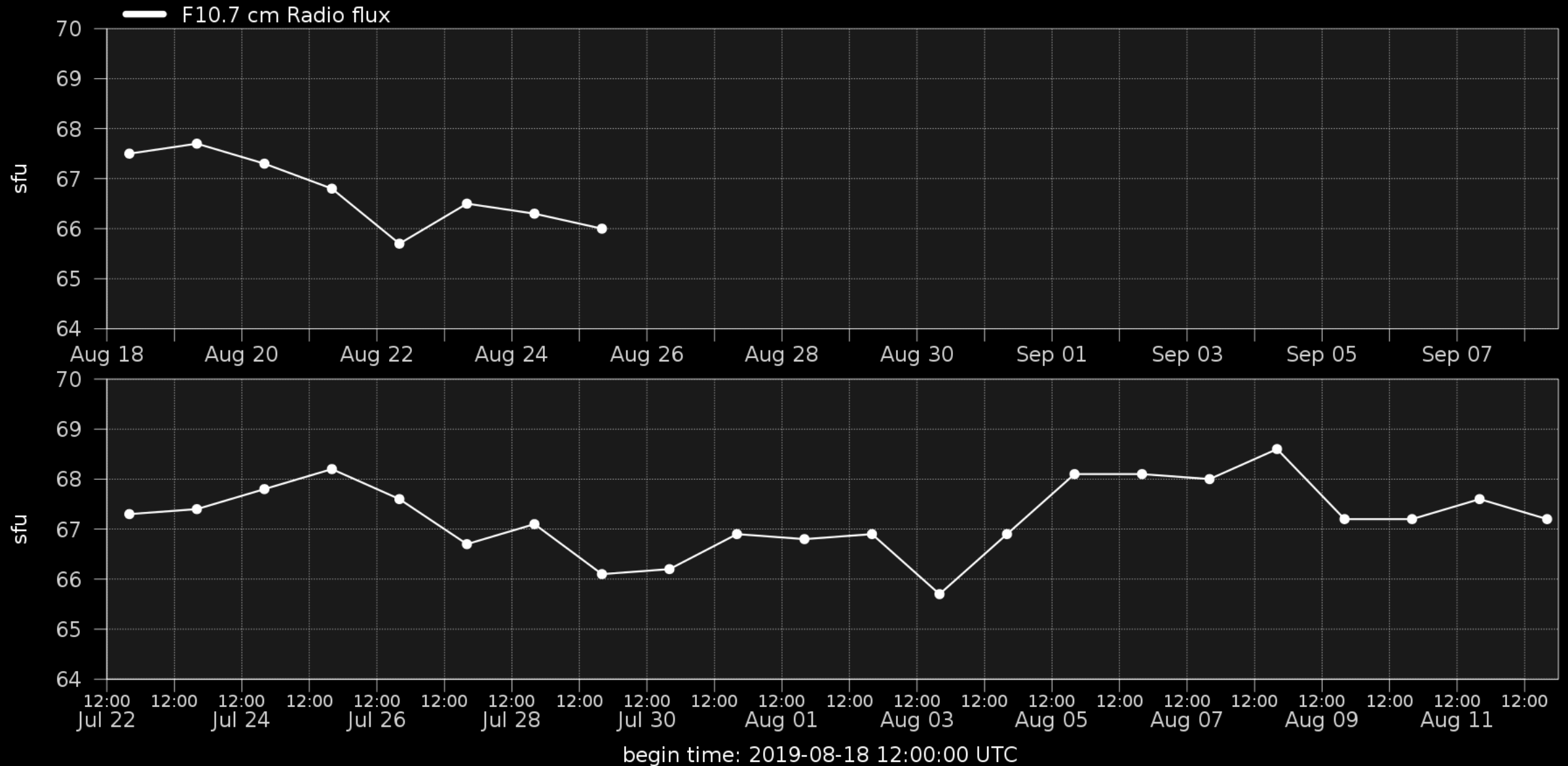
SDO/AIA 19.3 nm 2019-08-25



SDO/AIA 193 2019-08-18 12:10:41 UT

SDO/AIA 193 2019-08-25 09:31:53 UT

Solar F10.7cm radio flux

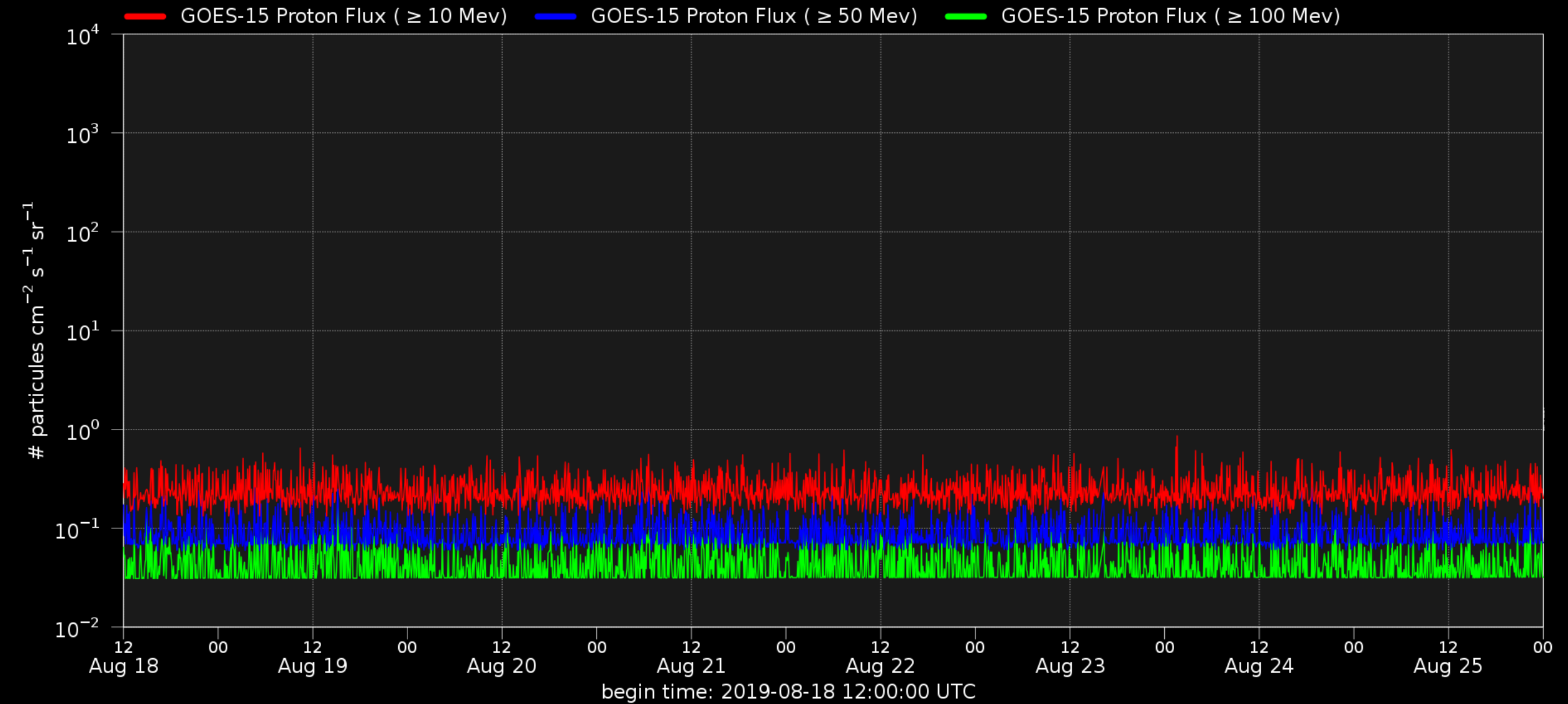


Coronal Mass Ejection

No Coronal Mass Ejection

20:00 08/24
17:12 08/24
14:24 08/24
11:12 08/24
08:12 08/24
05:36 08/24
02:24 08/24
23:12 08/23
20:00 08/23
16:48 08/23
14:00 08/23
10:48 08/23
07:42 08/23
04:17 08/23
23:24 08/22
19:48 08/22
17:12 08/22
14:06 08/22
11:00 08/22
08:00 08/22
05:00 08/22
02:12 08/22
22:36 08/21
19:36 08/21
16:48 08/21
13:48 08/21
10:42 08/21
07:48 08/21
04:48 08/21
01:48 08/21
22:12 08/20
19:18 08/20
16:00 08/20
12:36 08/20
09:36 08/20
06:24 08/20
03:48 08/20
00:12 08/20
21:12 08/19
18:00 08/19
15:37 08/19
12:00 08/19
09:12 08/19
06:00 08/19

Solar proton flux



Solar Wind and Geomagnetic Activity

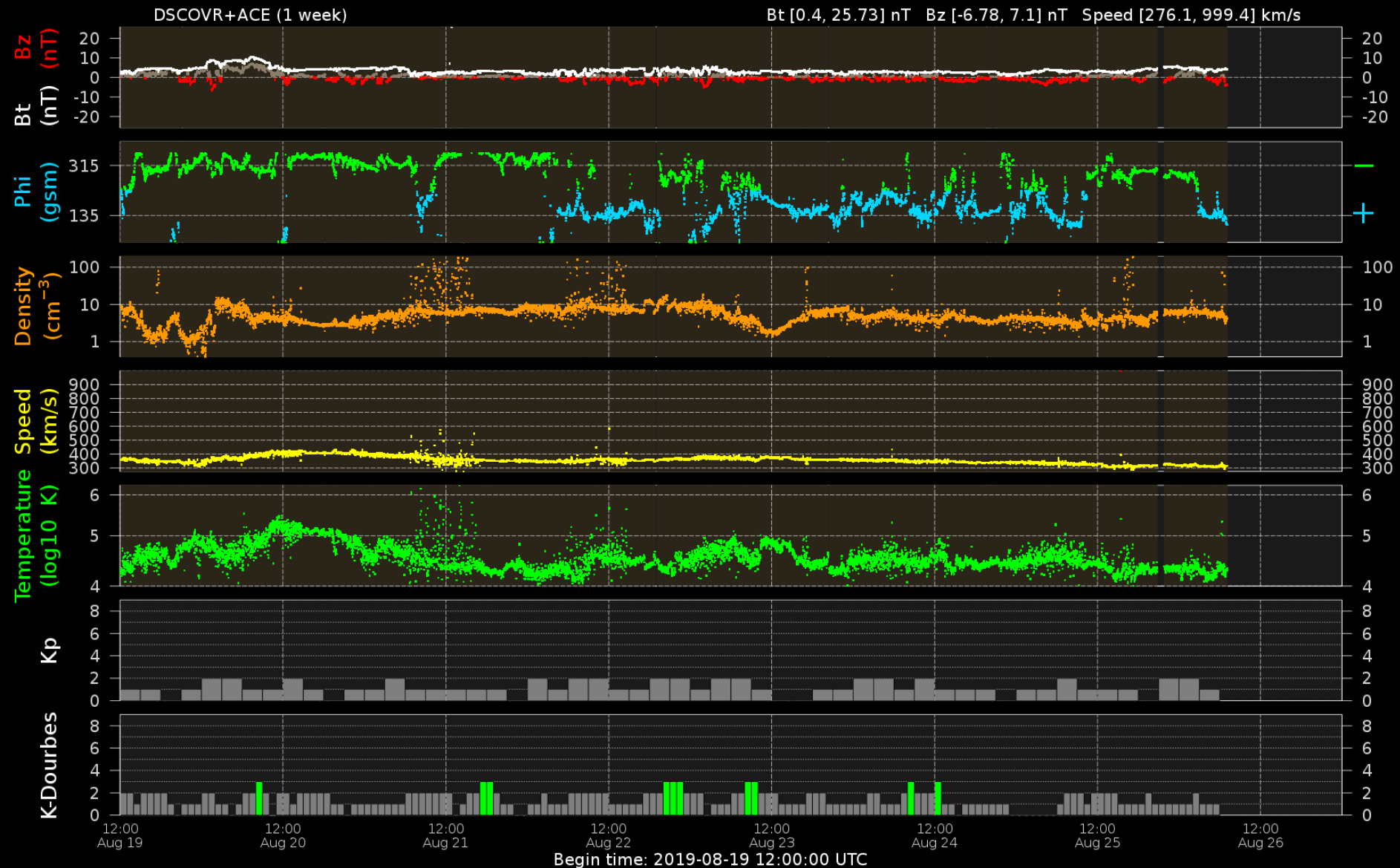


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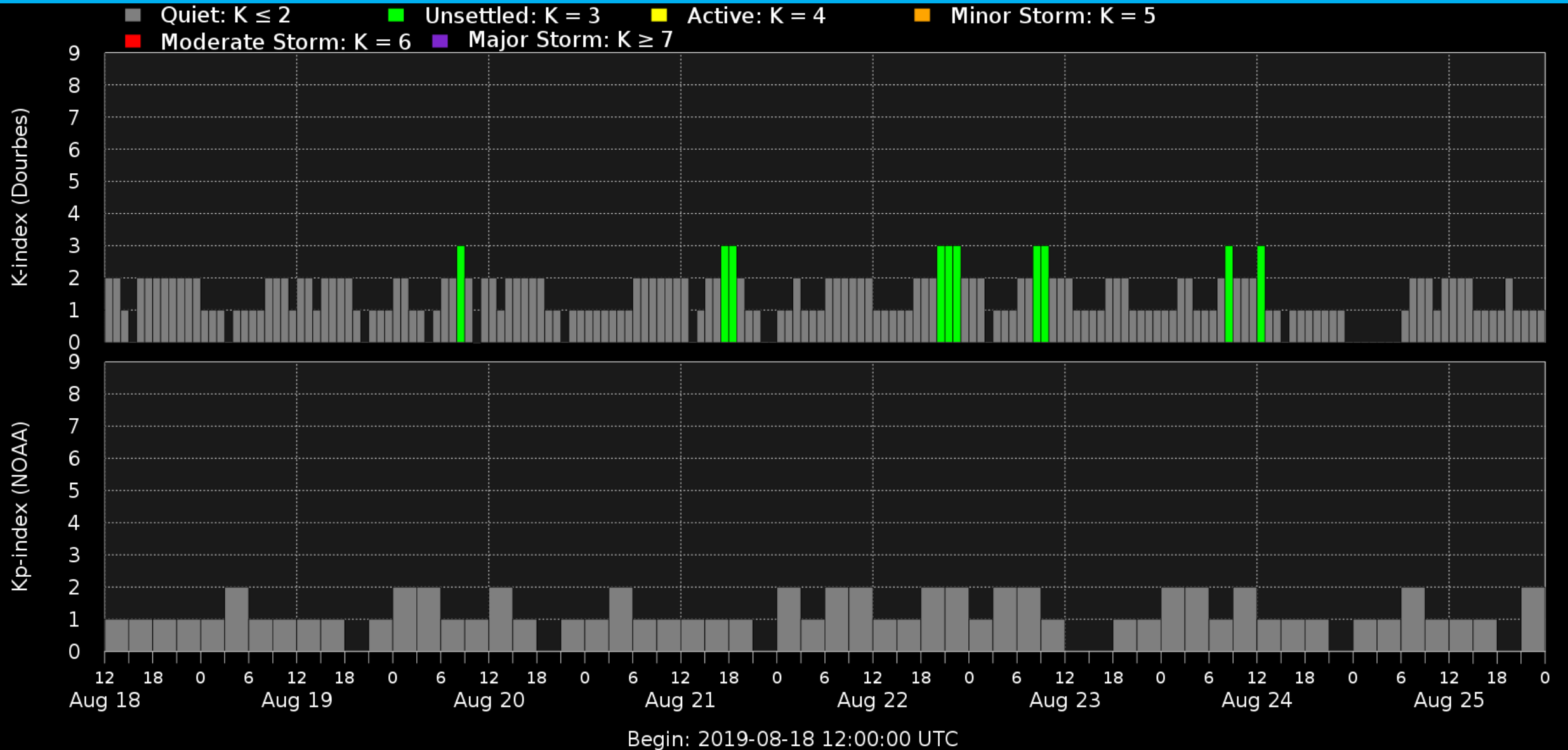
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Solar wind parameters (DSCOVR data)

Solar wind parameters (ACE data)



Geomagnetic activity (K-indexes)



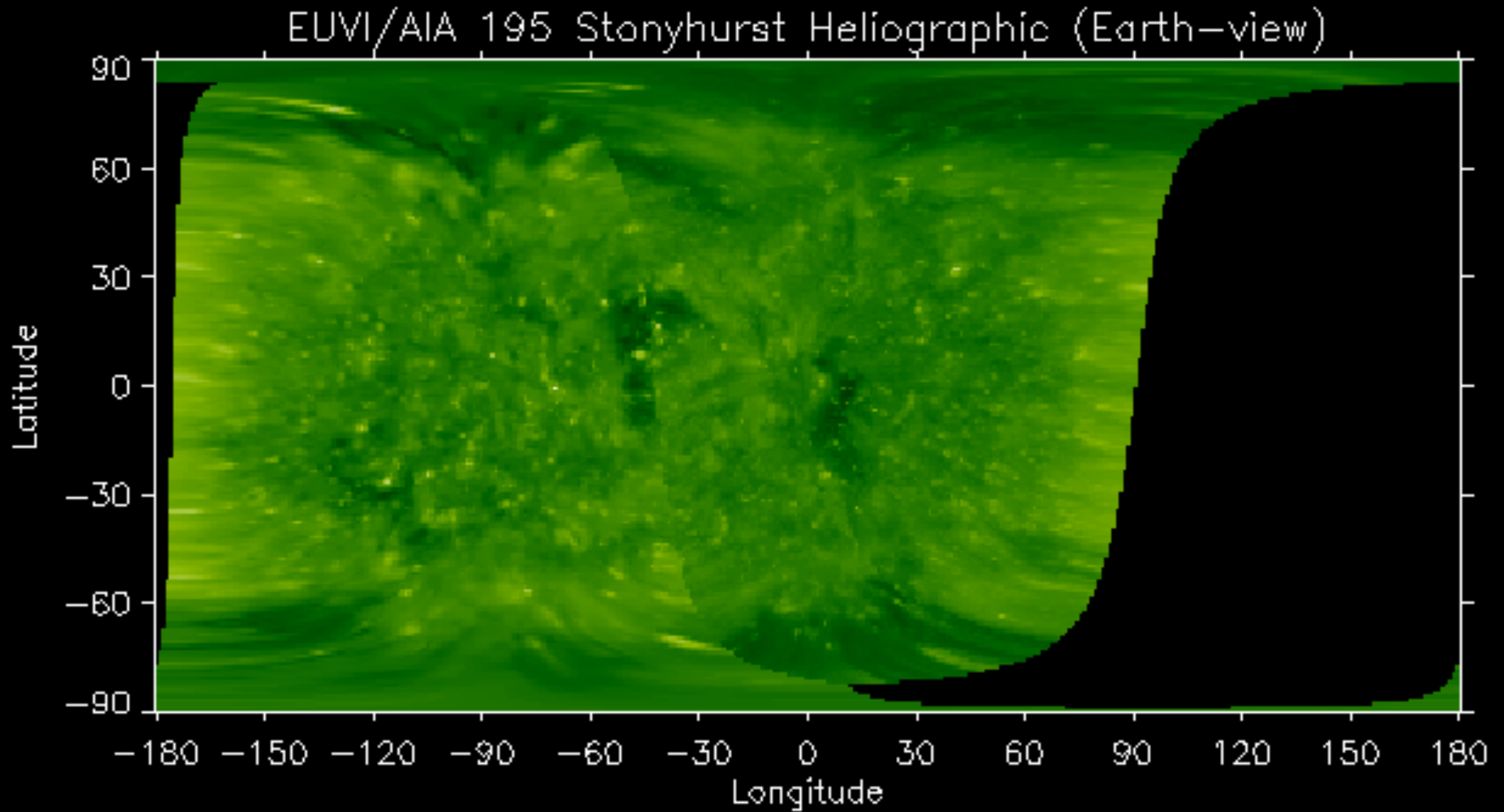
Outlook



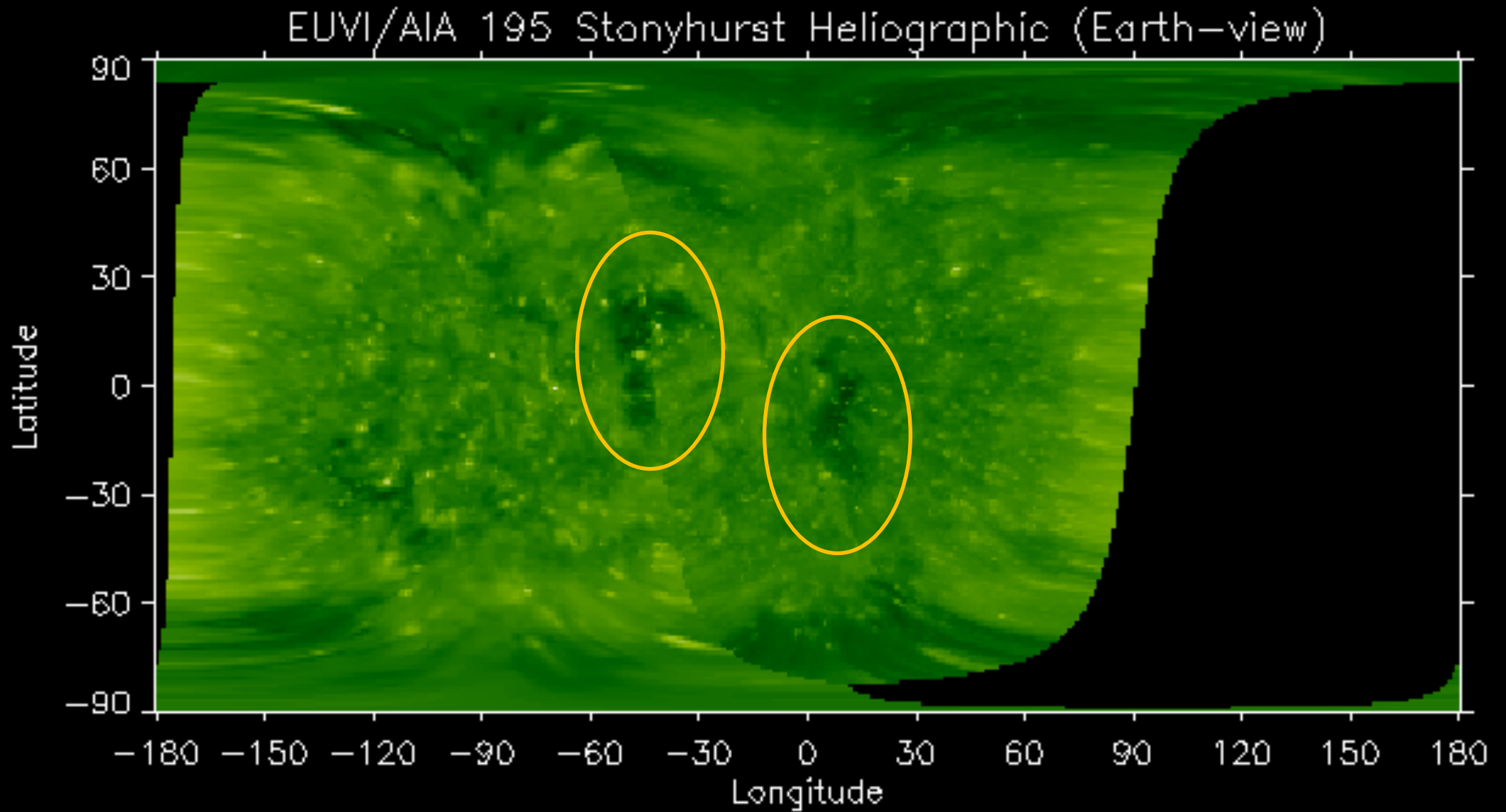
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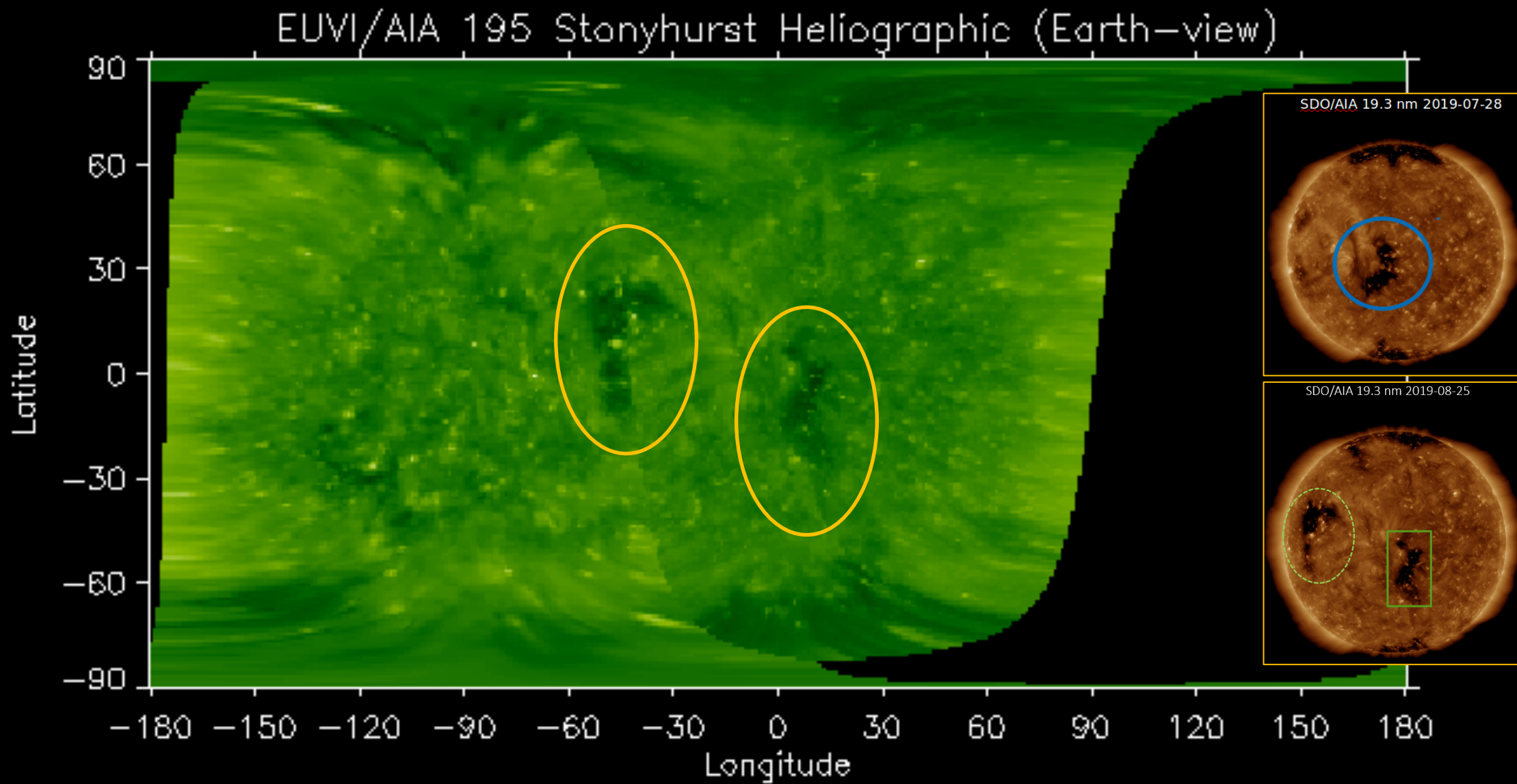
Outlook: Solar activity



Outlook: Solar activity



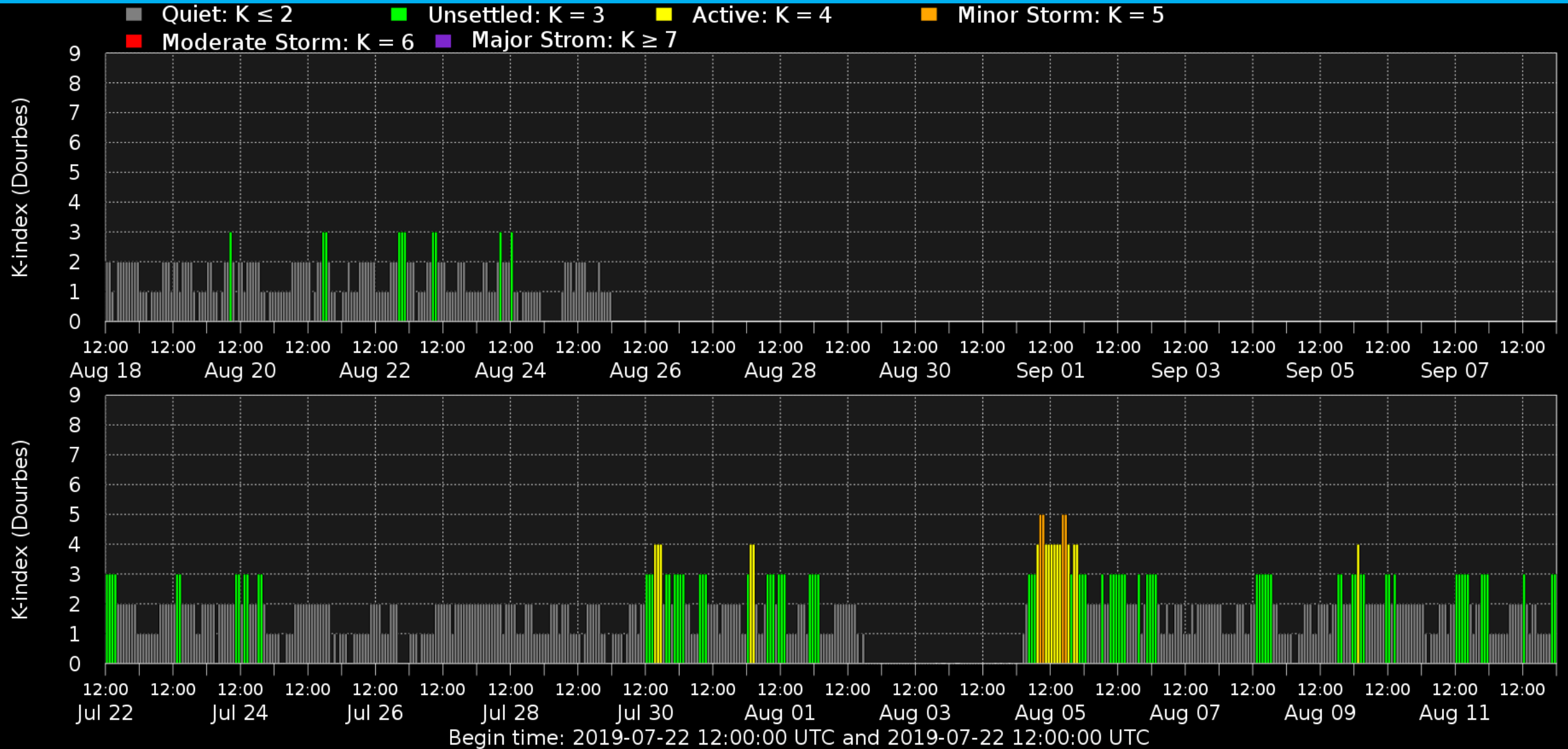
Outlook: Solar activity



Outlook: Solar wind



Outlook: Geomagnetic activity



SIDC Space Weather Briefing

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