

SIDC Space Weather Briefing

8 July 2019 – 14 July 2019

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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 2019-07-07 12:00 UT to 2019-07-14 12:00 UT

Active regions	NOAA AR 2744
Flaring	None
CMEs	None Earth directed
Proton Events	None

Solar wind and geomagnetic conditions from 2019-07-07 12:00 UT to 2019-07-14 12:00 UT

Coronal Holes	One, positive polarity
ICME	None
SW Conditions	V > 650 km/s
K-indices	max K-index (Dourbes): 4 max Kp-index (NOAA): 5

All Quiet Alert: Off

Solar Activity



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Solar active region - start of the week

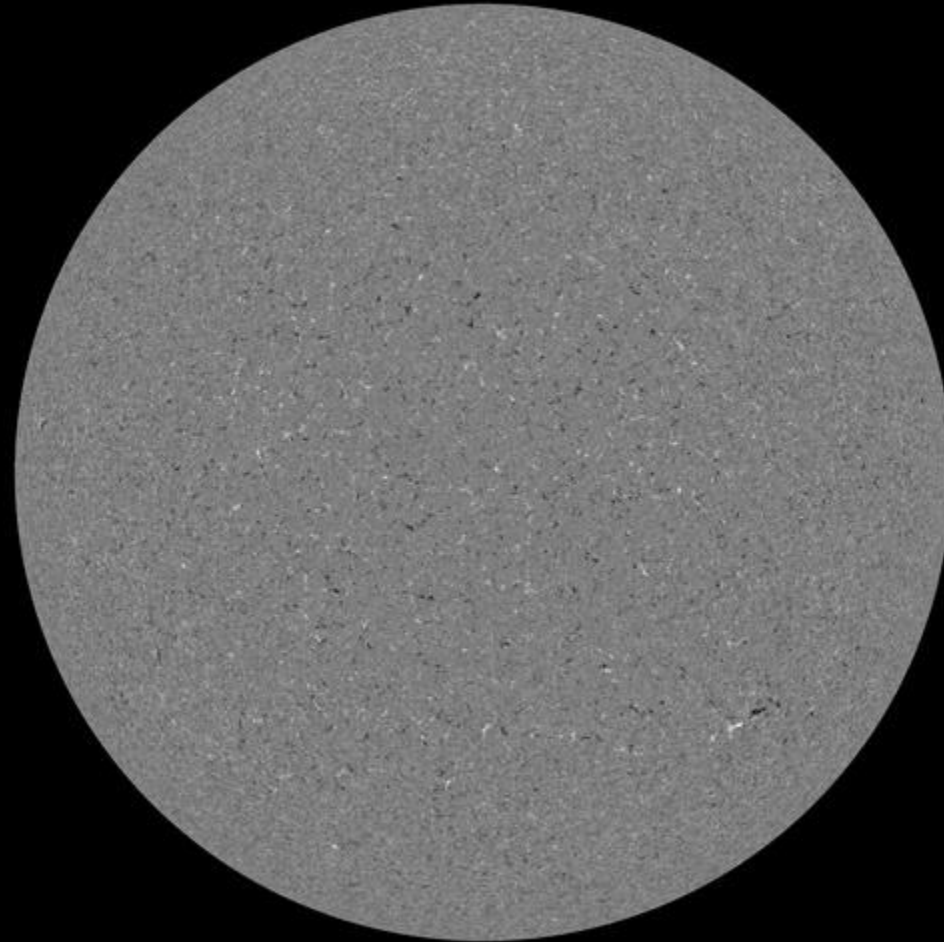
SDO/HMI Magnetogram 2019-07-08



SDO/HMI Quick-Look Magnetogram: 20190708_004000

Solar active region - end of the week

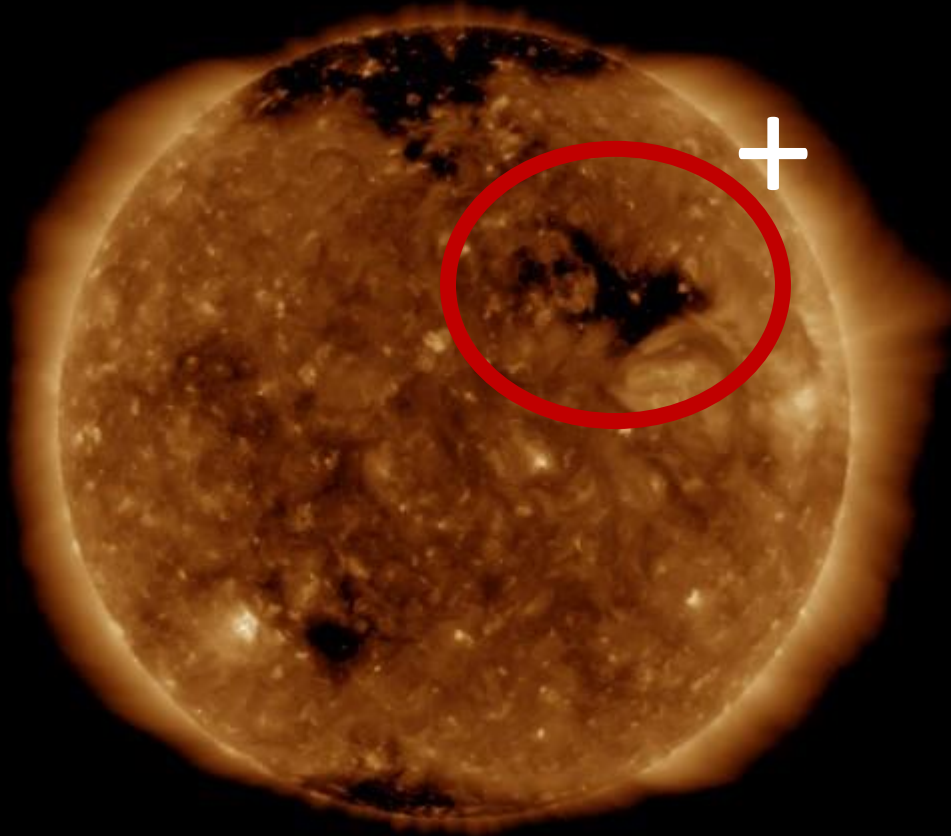
SDO/HMI Magnetogram 2019-07-14



SDO/HMI Quick-Look Magnetogram: 20190714_001900

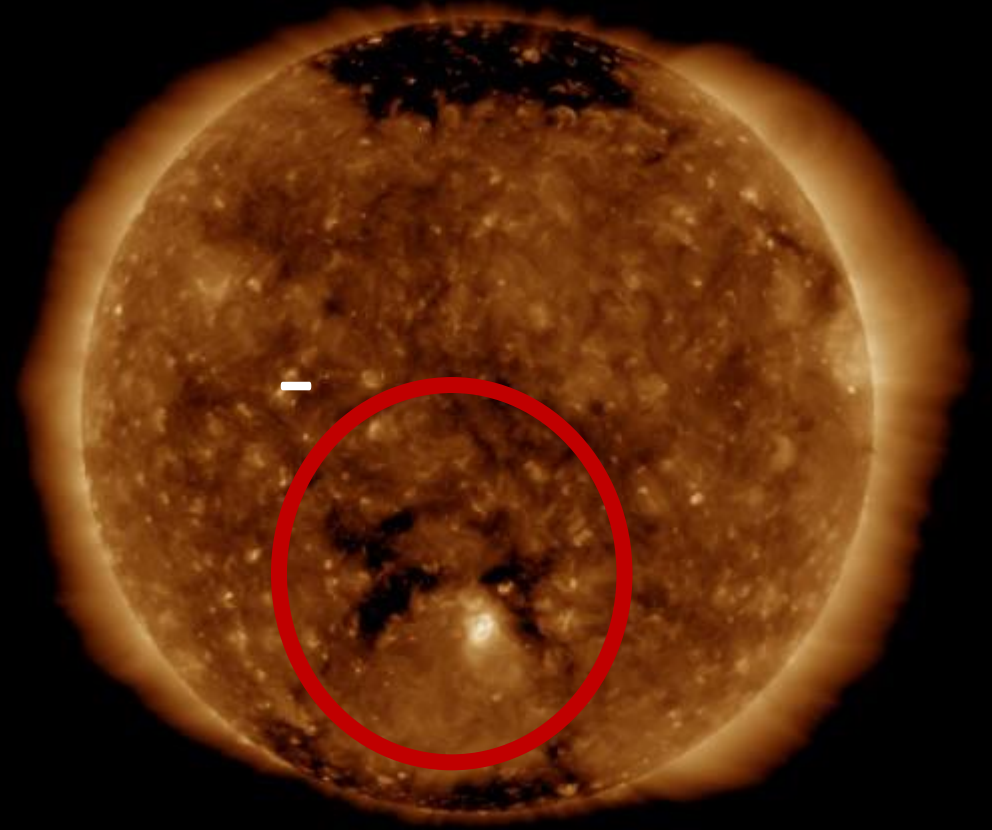
Solar active region & Coronal holes

SDO/AIA 19.3 nm 2019-07-08



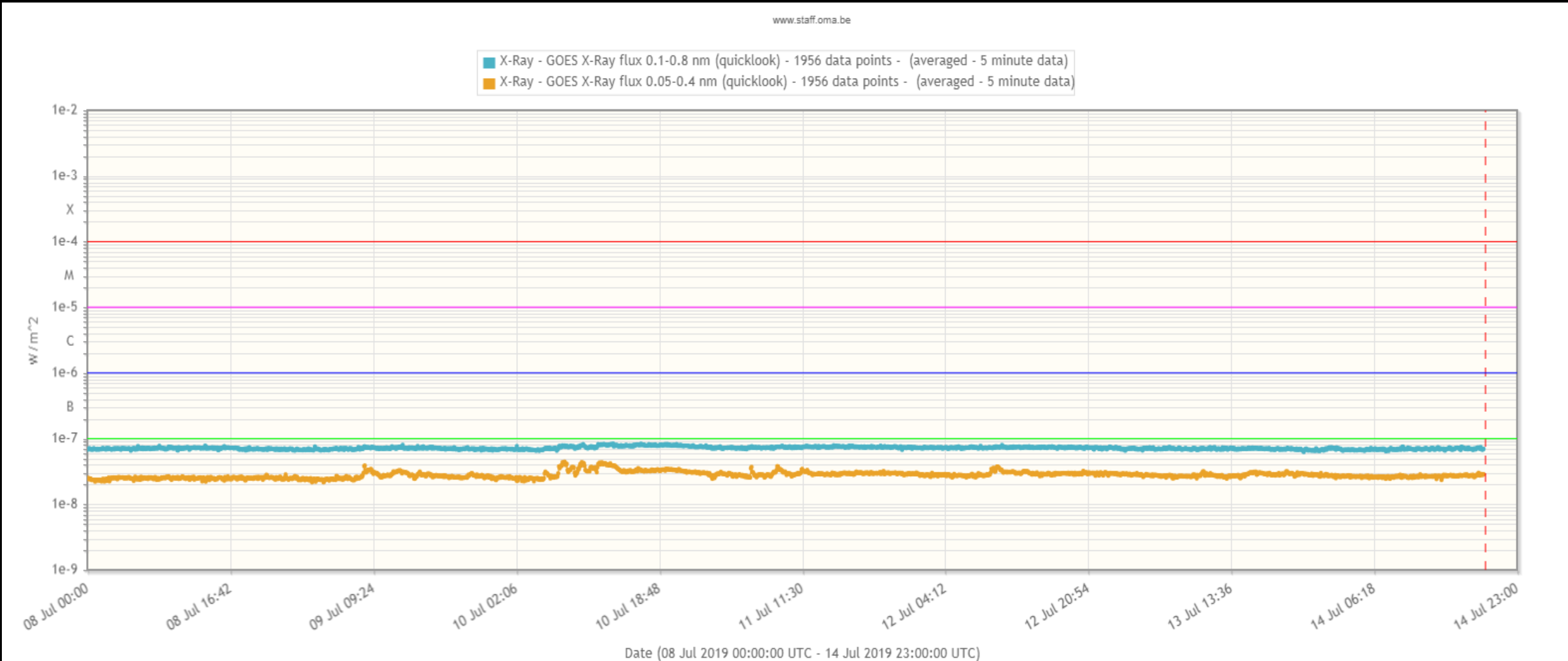
SDO/AIA 193 2019-07-08 03:10:29 UT

SDO/AIA 19.3 nm 2019-07-10



SDO/AIA 193 2019-07-10 23:40:41 UT

Flaring activity



Coronal Mass Ejections



SDO/AIA 193 2019-07-13 22:11:05 UT

S

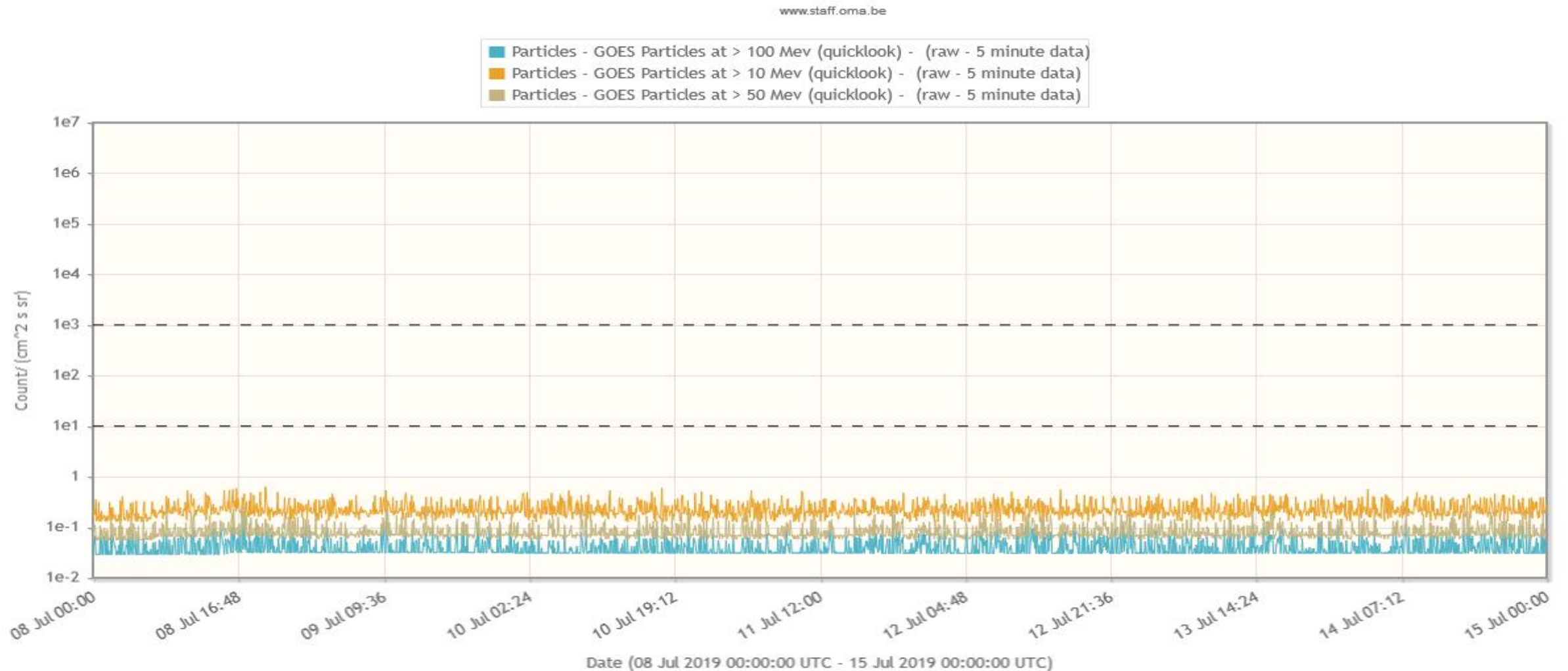
W

N

E

15:16 07/14
09:48 07/14
06:48 07/14
04:00 07/14
00:36 07/14
21:24 07/13
18:12 07/13
15:30 07/13
12:24 07/13
09:36 07/13
06:42 07/13
04:00 07/13
00:48 07/13
21:36 07/12
18:36 07/12
15:36 07/12
11:24 07/12
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04:17 07/12
23:36 07/11
20:00 07/11
17:24 07/11
14:12 07/11
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08:00 07/11
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01:48 07/11
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06:36 07/08
03:36 07/08
00:00 07/08

Solar proton flux



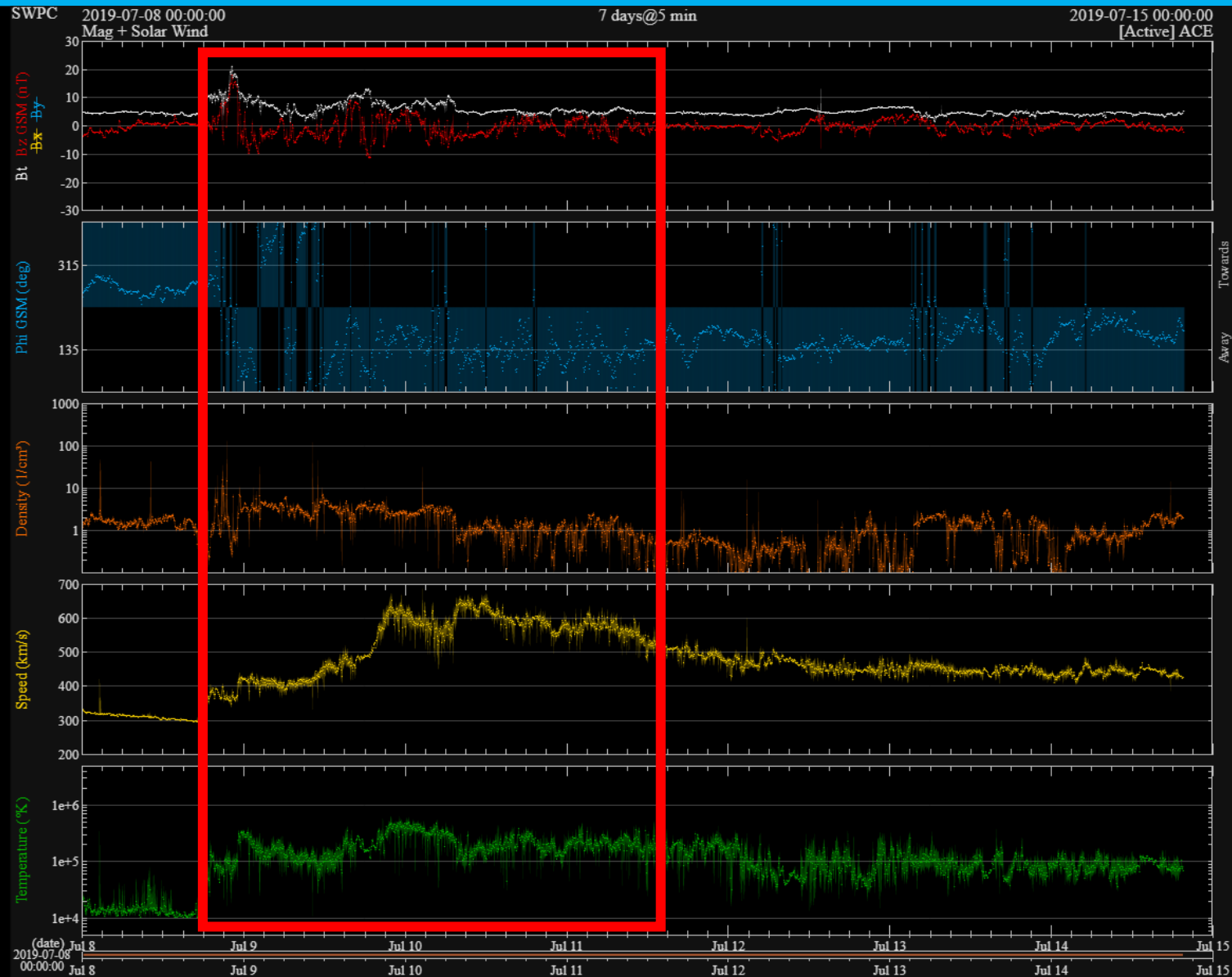
Solar Wind and Geomagnetic Activity



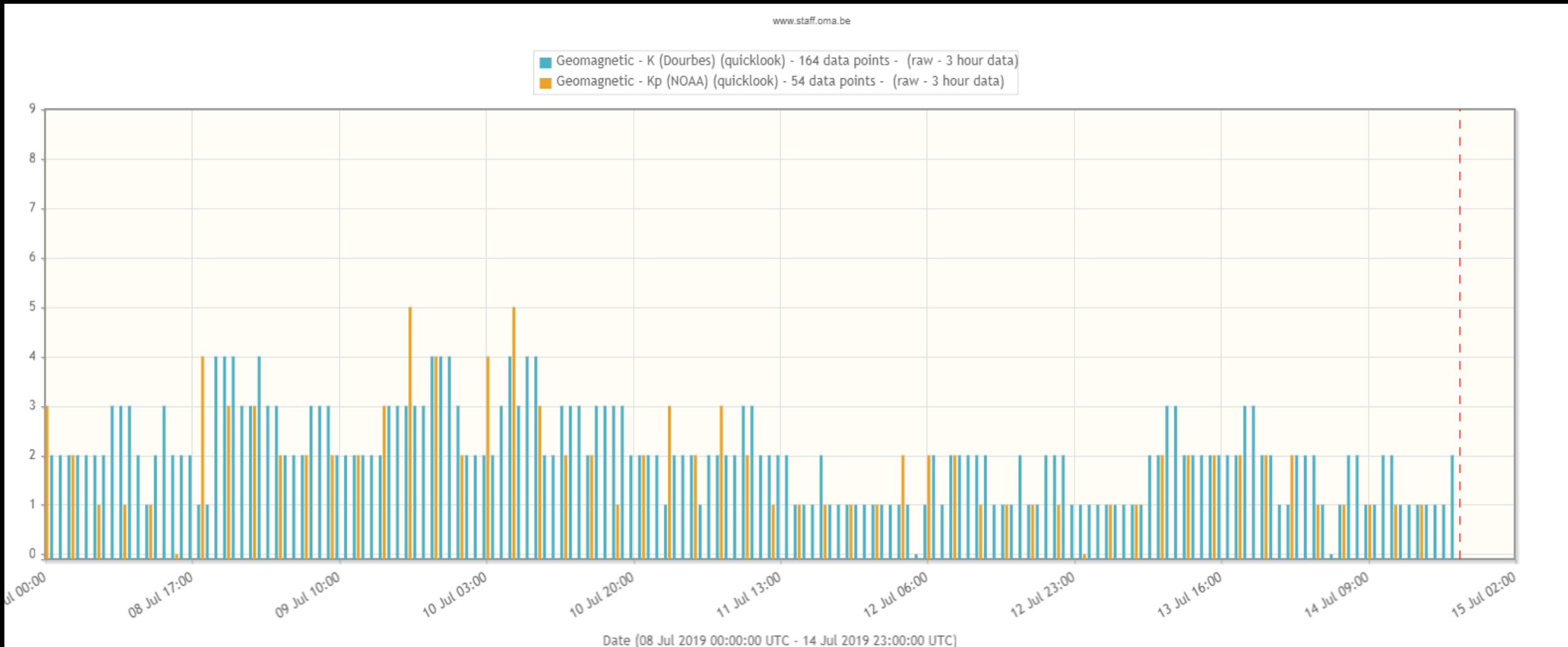
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Solar wind parameters (ACE data)



Geomagnetic activity



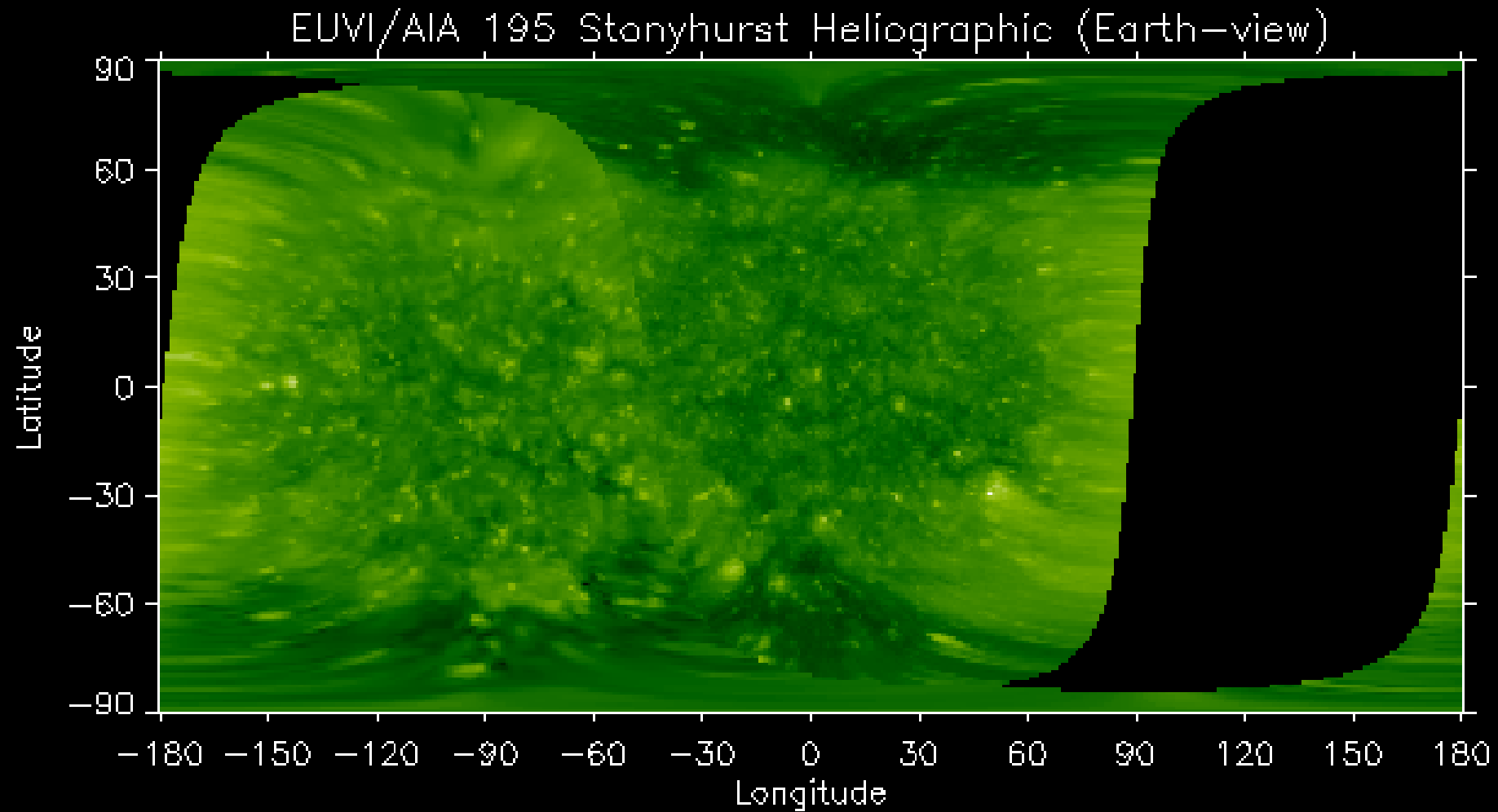
Outlook



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Outlook: Solar activity



Observation date: 2019/07/14 19:05:30

SIDC Space Weather Briefing

See you at our next briefing!

Or visit us at www.sidc.be



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