

SIDC Space Weather Briefing

27 October 2019 - 03 November 2019

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& the SIDC forecaster team



Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

Solar activity from 2019-10-27 12:00 UT to 2019-11-03 12:00 UT

Active regions	NOAA AR 2750 and 2751
Flaring	# B-class flare: 0 # C-class flare: 0 # M-class flare: 0 # X-class flare: 0
Filaments	None
CMEs	None Earth directed
Proton Events	None

Solar wind and geomagnetic conditions from 2019-10-27 12:00 UT to 2019-11-03 12:00 UT

Coronal Holes	One, negative polarity
ICME	One, related to the October 25 CME
SW Conditions	SW speed < 500 km/s, Bz > -4 nT
K-indices	max K-index (Dourbes): 5.0 max Kp-index (NOAA): 4

All Quiet Alert: Active since November 1

Solar Activity

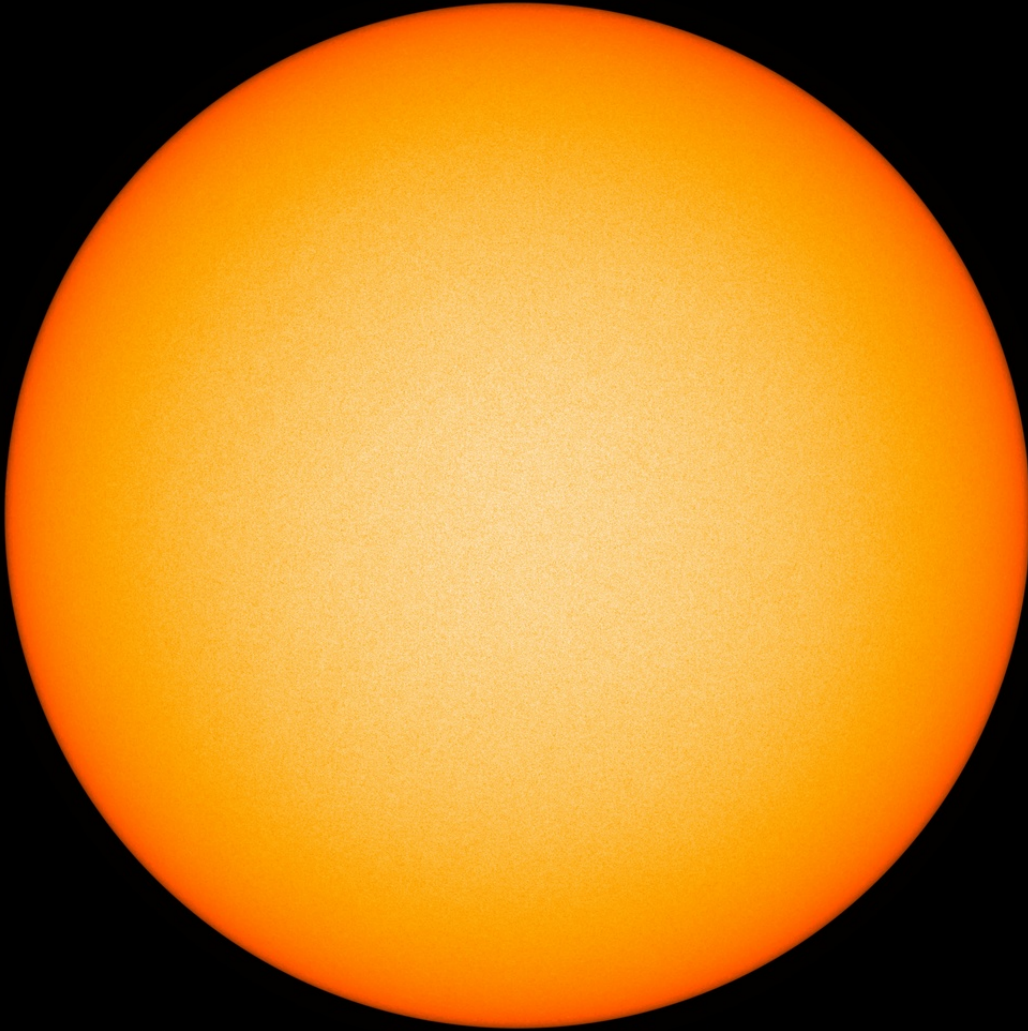


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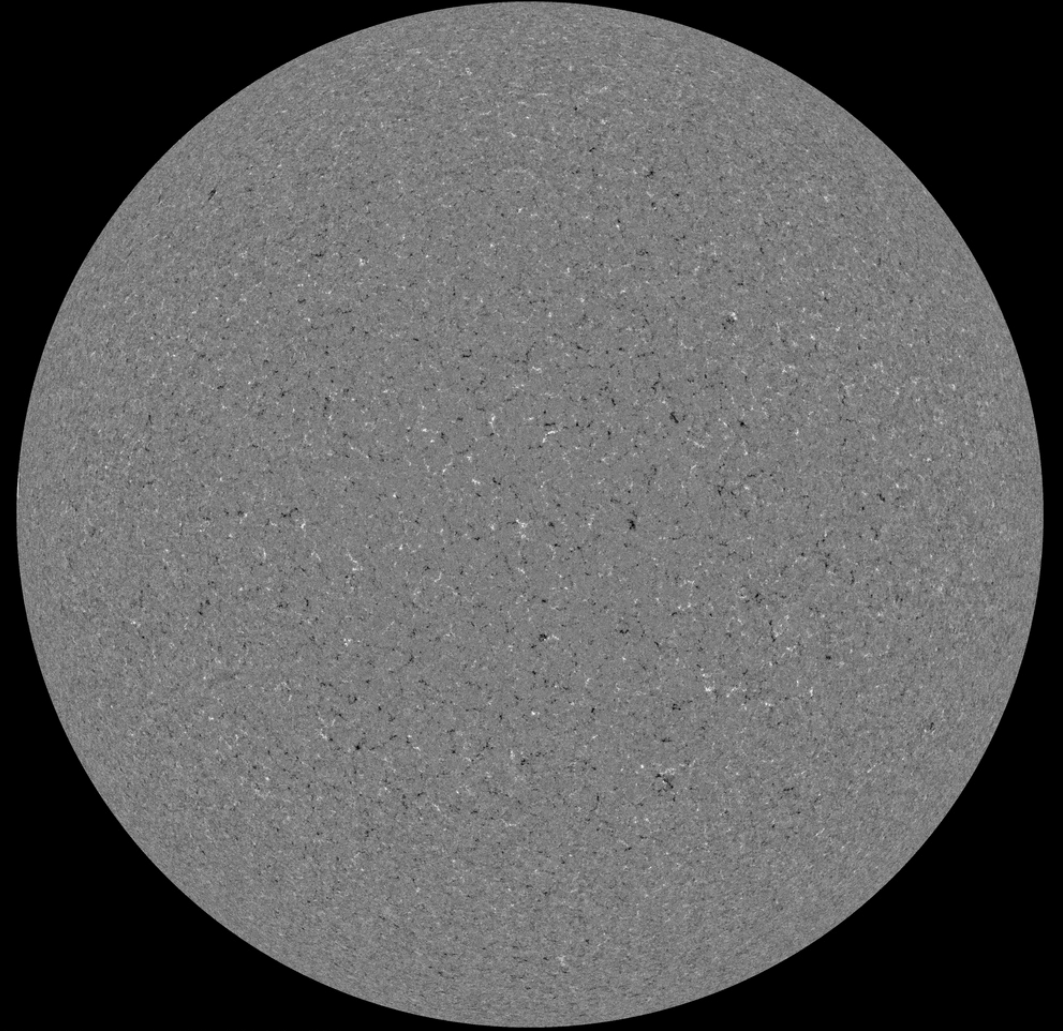
Solar active region - start of the week

SDO/HMI White Light 2019-10-27



SDO/HMI Quick-Look Continuum: 20191027_114500

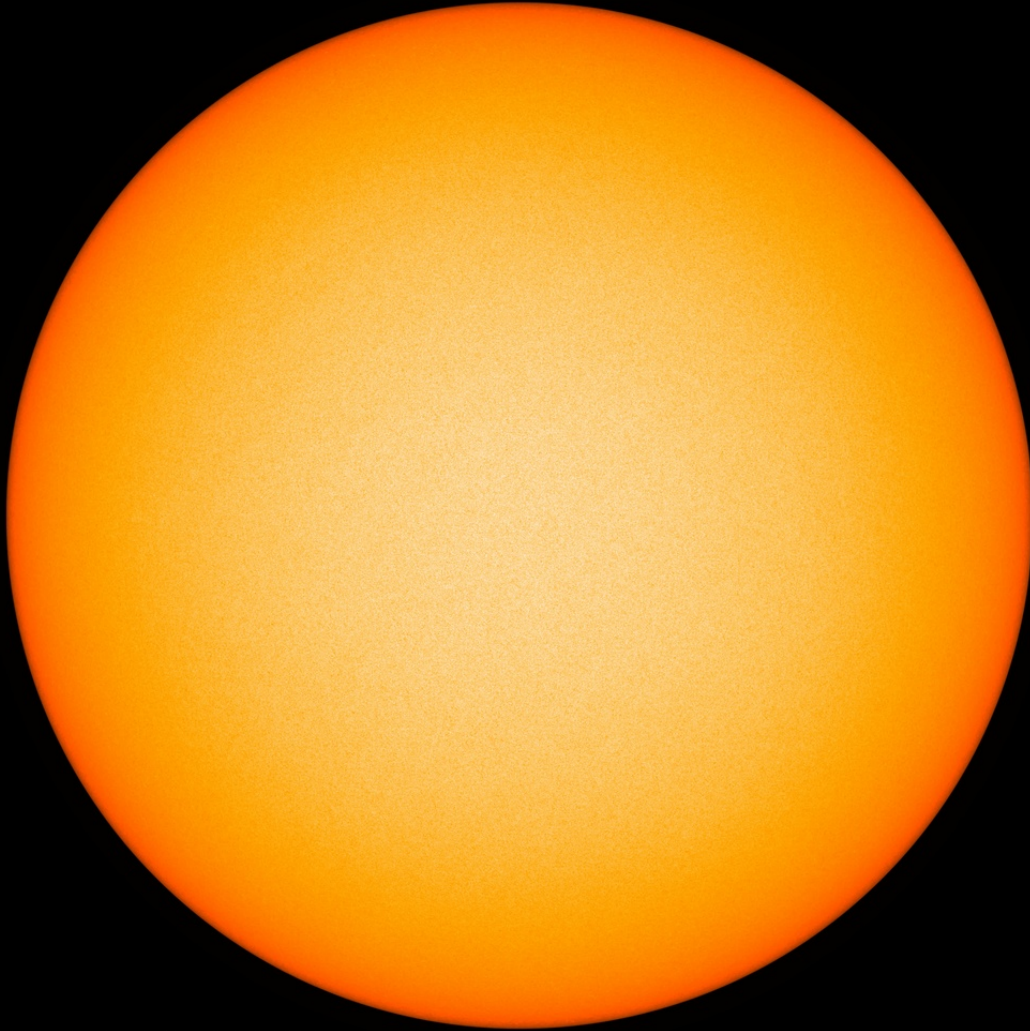
SDO/HMI Magnetogram 2019-10-27



SDO/HMI Quick-Look Magnetogram: 20191027_114500

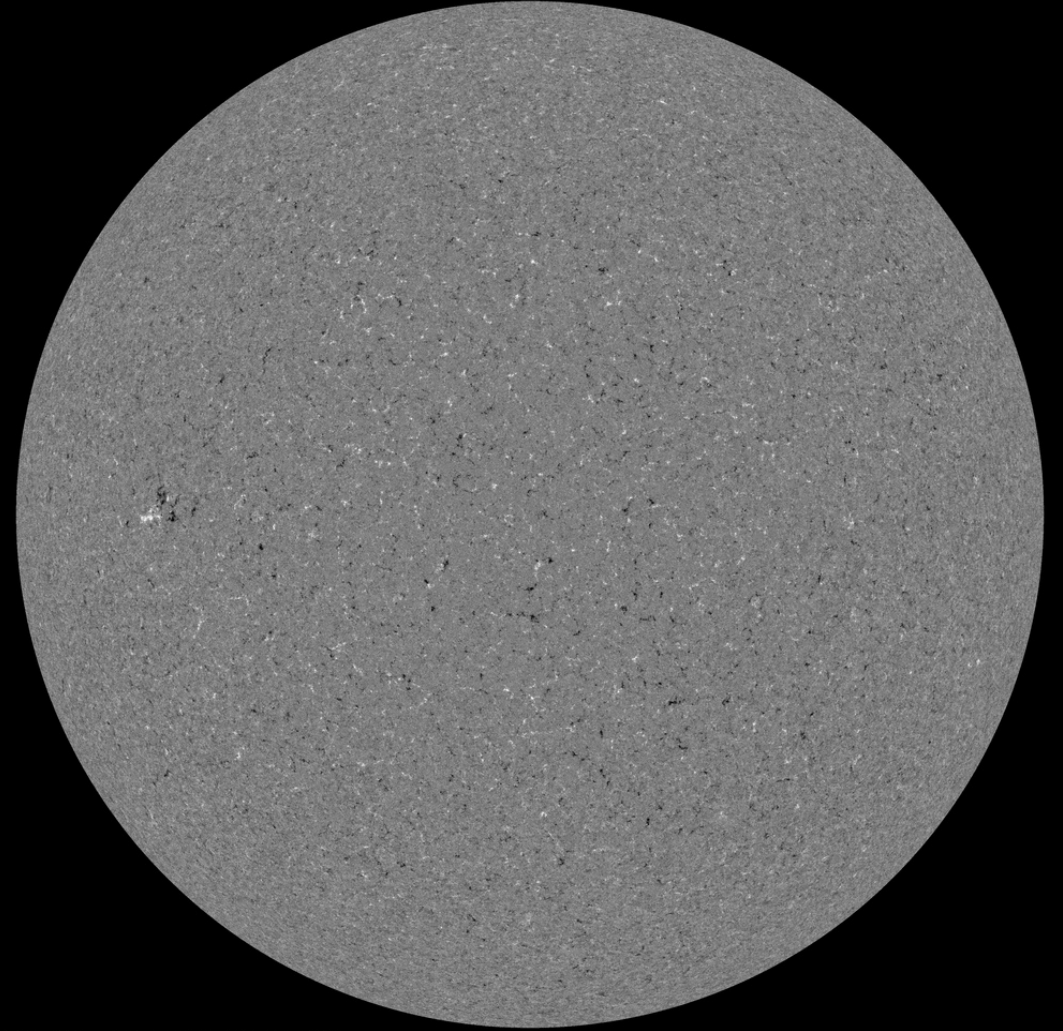
Solar active region - middle of the week

SDO/HMI White Light 2019-10-30



SDO/HMI Quick-Look Continuum: 20191030_120000

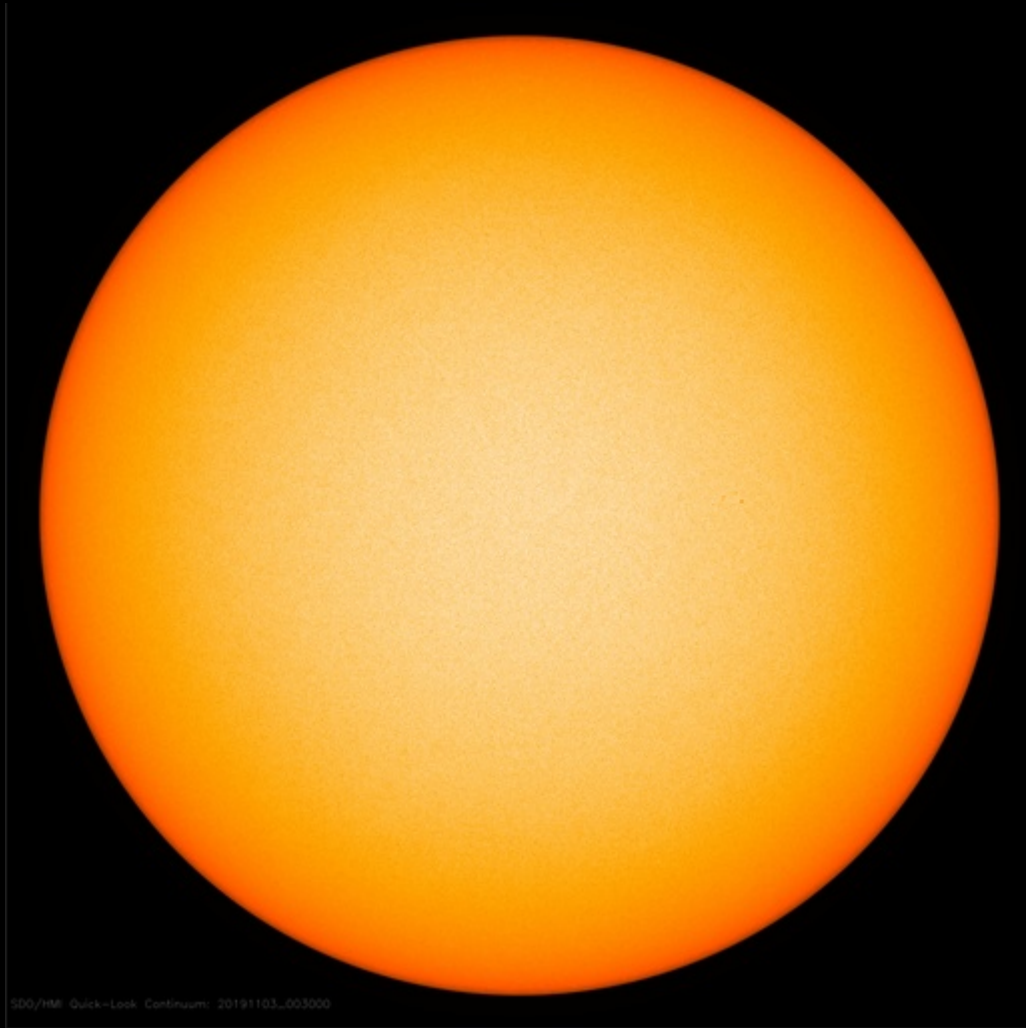
SDO/HMI Magnetogram 2019-10-30



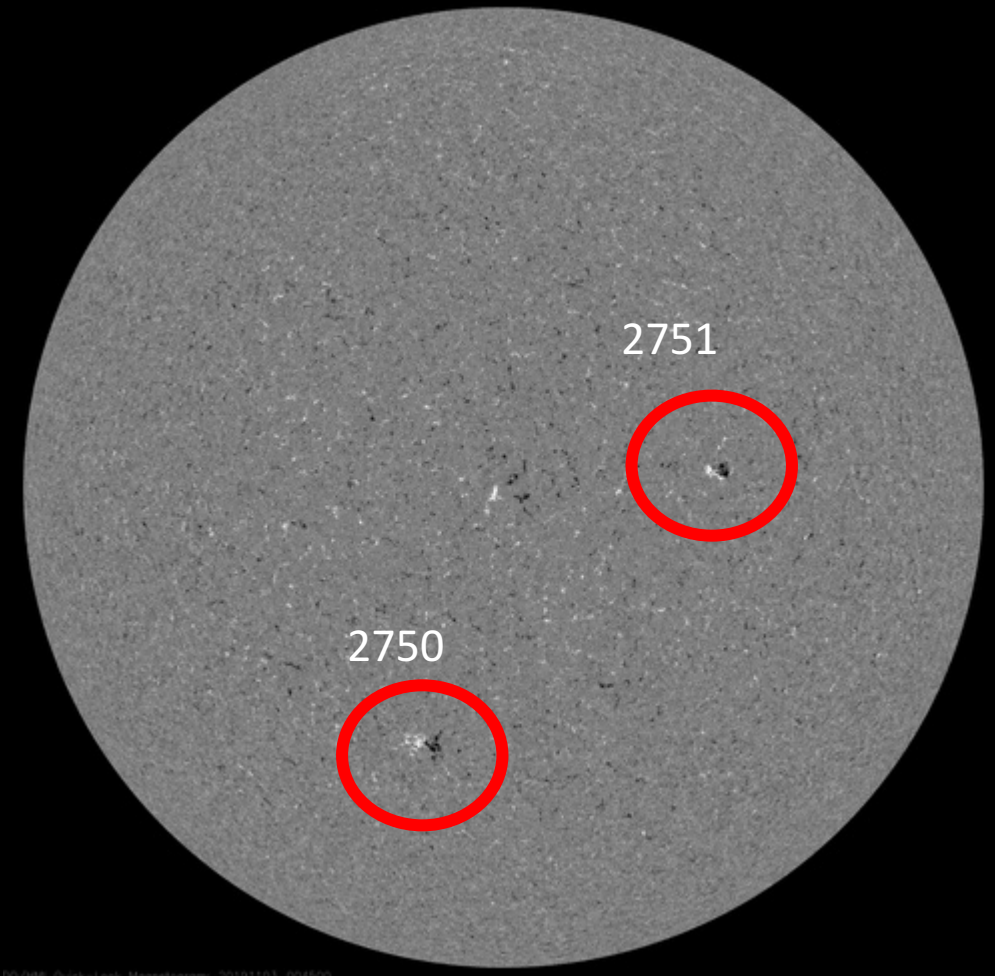
SDO/HMI Quick-Look Magnetogram: 20191030_114500

Solar active region - end of the week

SDO/HMI White Light 2019-11-03

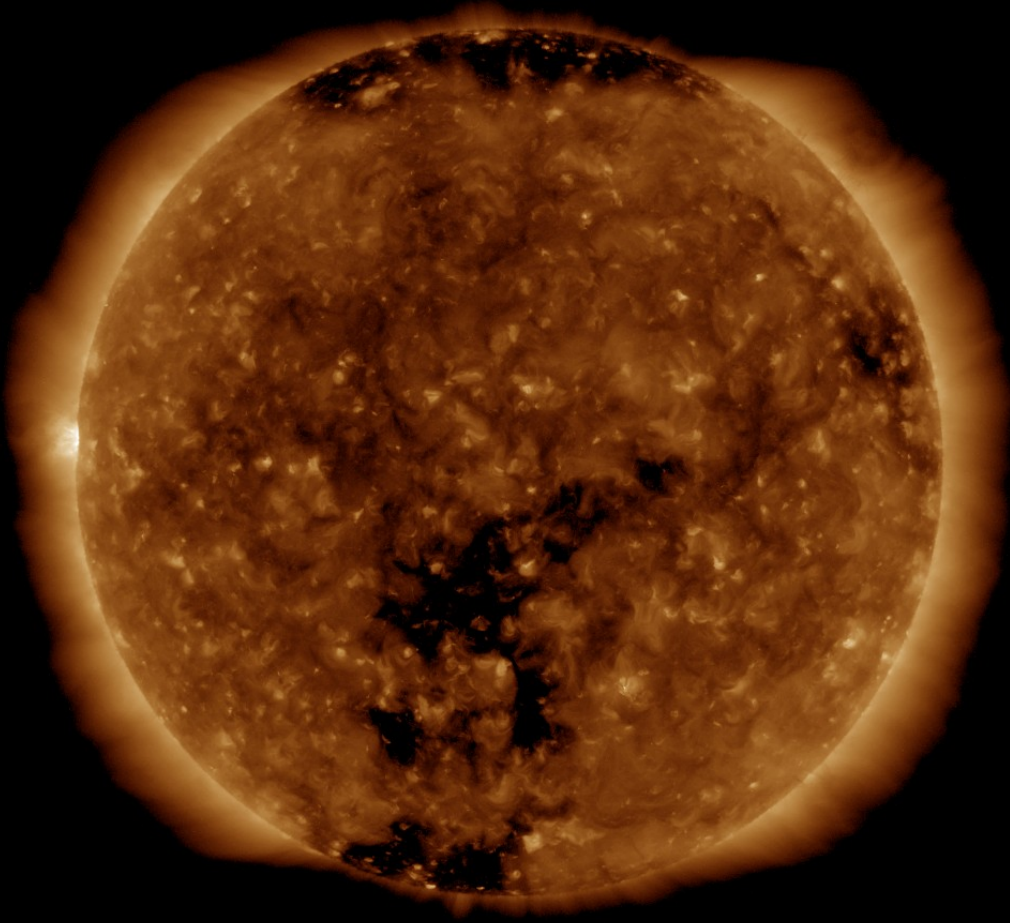


SDO/HMI Magnetogram 2019-11-03



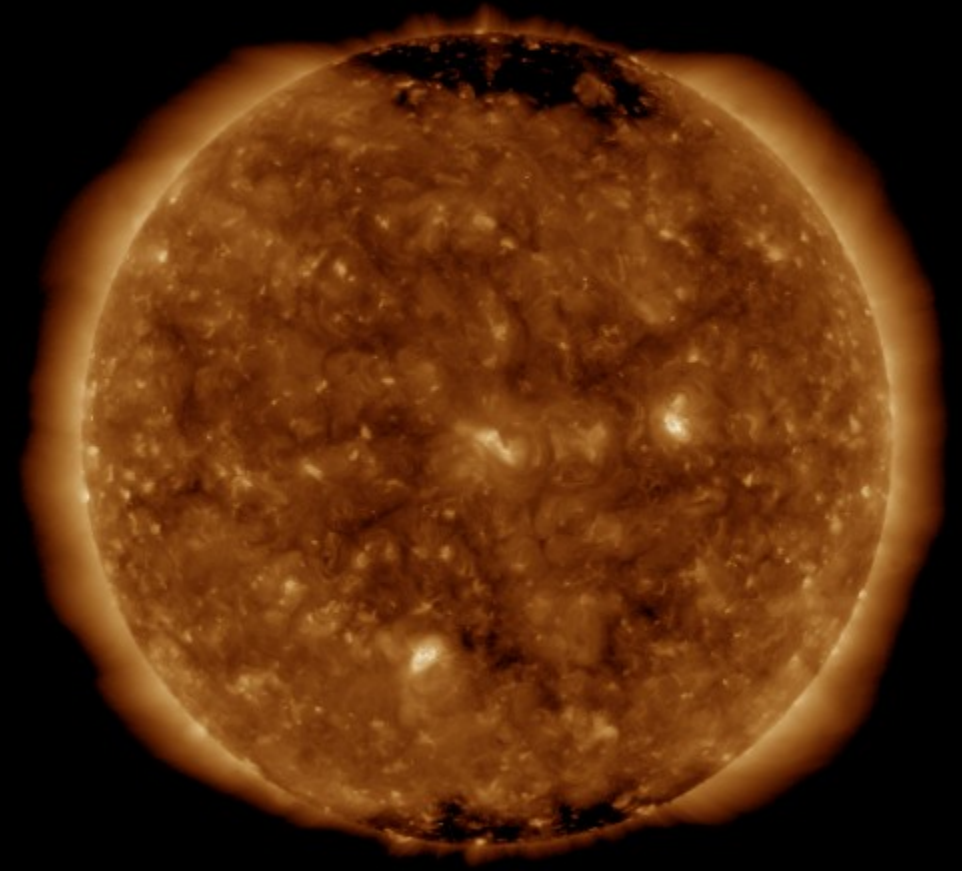
Solar active region & Coronal hole

SDO/AIA 19.3 nm 2019-10-27



SDO/AIA 193 2019-10-27 12:10:53 UT

SDO/AIA 19.3 nm 2019-11-03

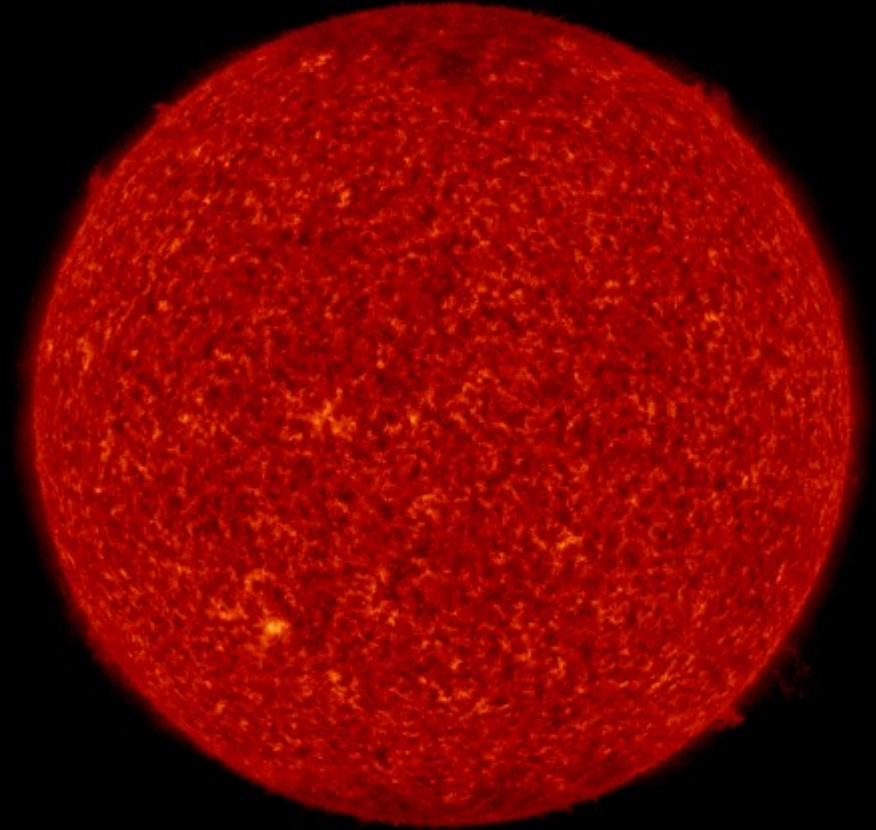
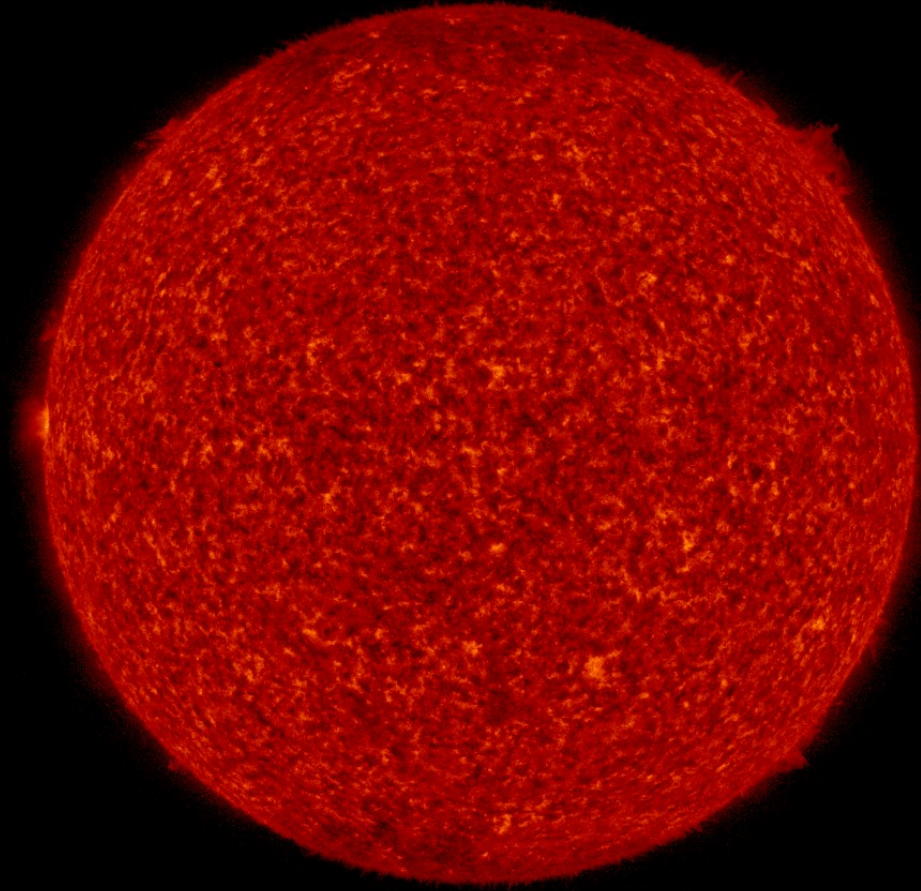


SDO/AIA 193 2019-11-03 02:11:17 UT

Solar active region & Filament

SDO/AIA 30.4 nm 2019-10-27

SDO/AIA 30.4 nm 2019-11-01



SDO/AIA 304 2019-10-27 12:14:06 UT

SDO/AIA 304 2019-11-01 17:29:18 UT

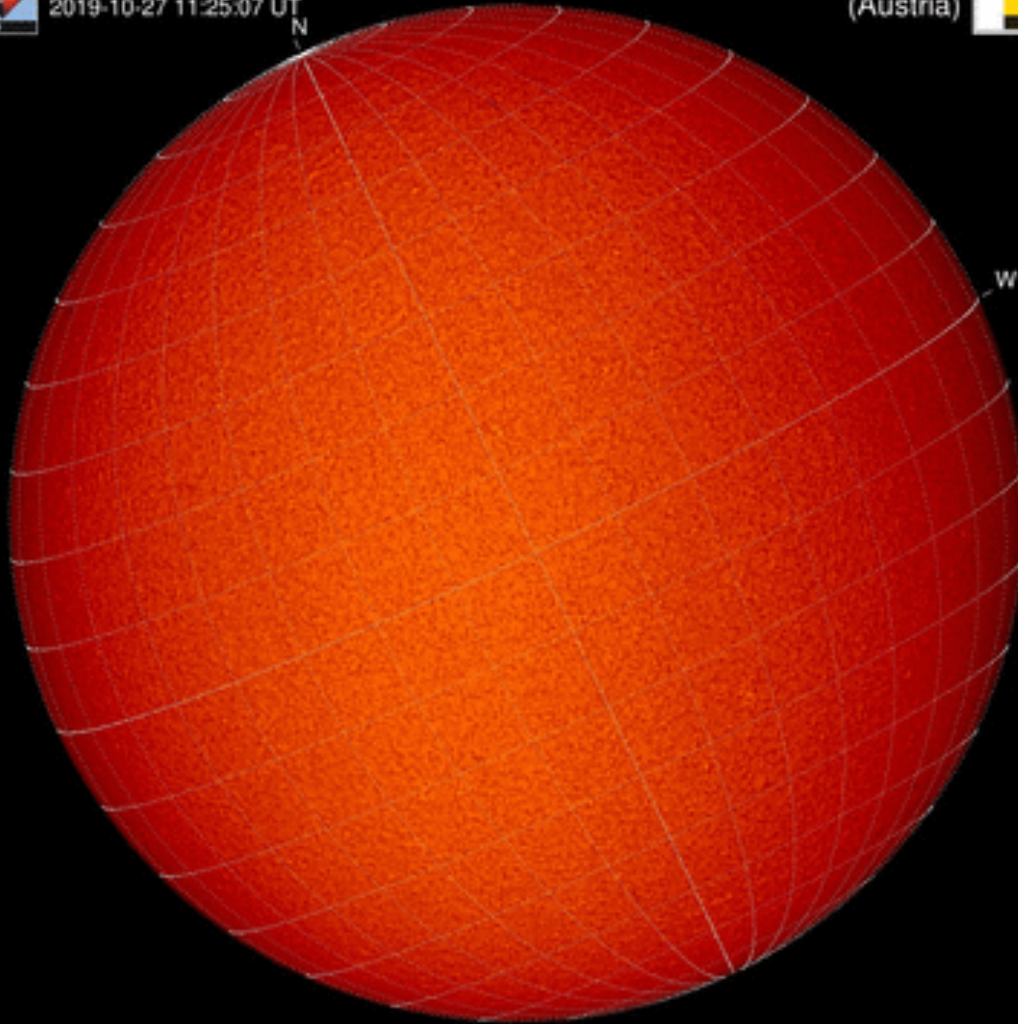
Filament & Filament eruption

H-alpha 2019-10-27



Kanzelhöhe Observatory
2019-10-27 11:25:07 UT

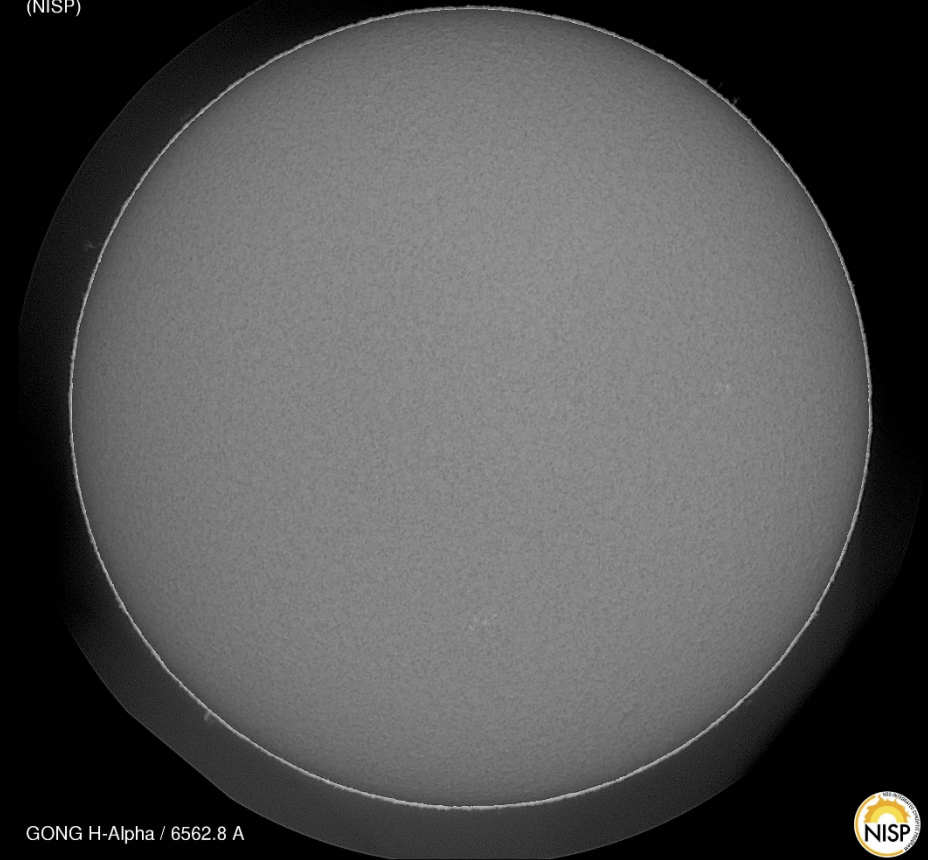
University of Graz
(Austria)



H-alpha 2019-11-03

National Solar Observatory
Integrated Synoptic Program
(NISP)

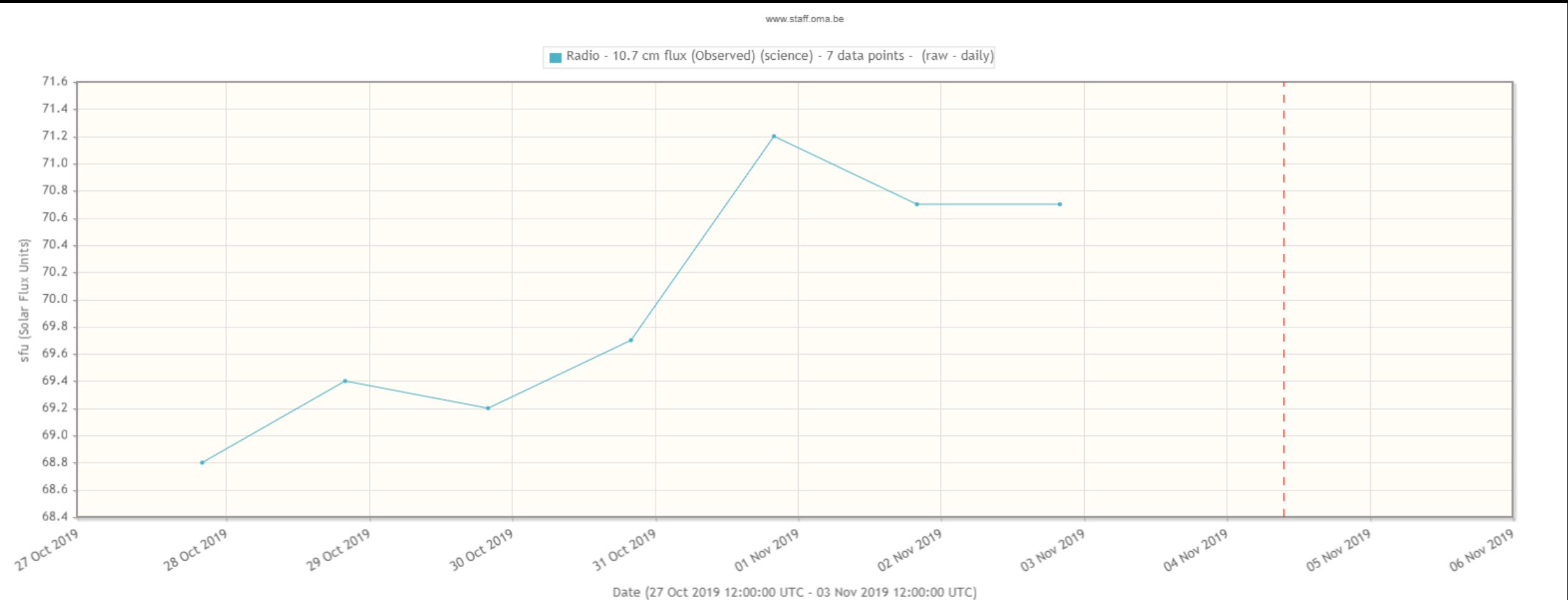
Big Bear, CA USA
UT: 2019/11/03 23:55



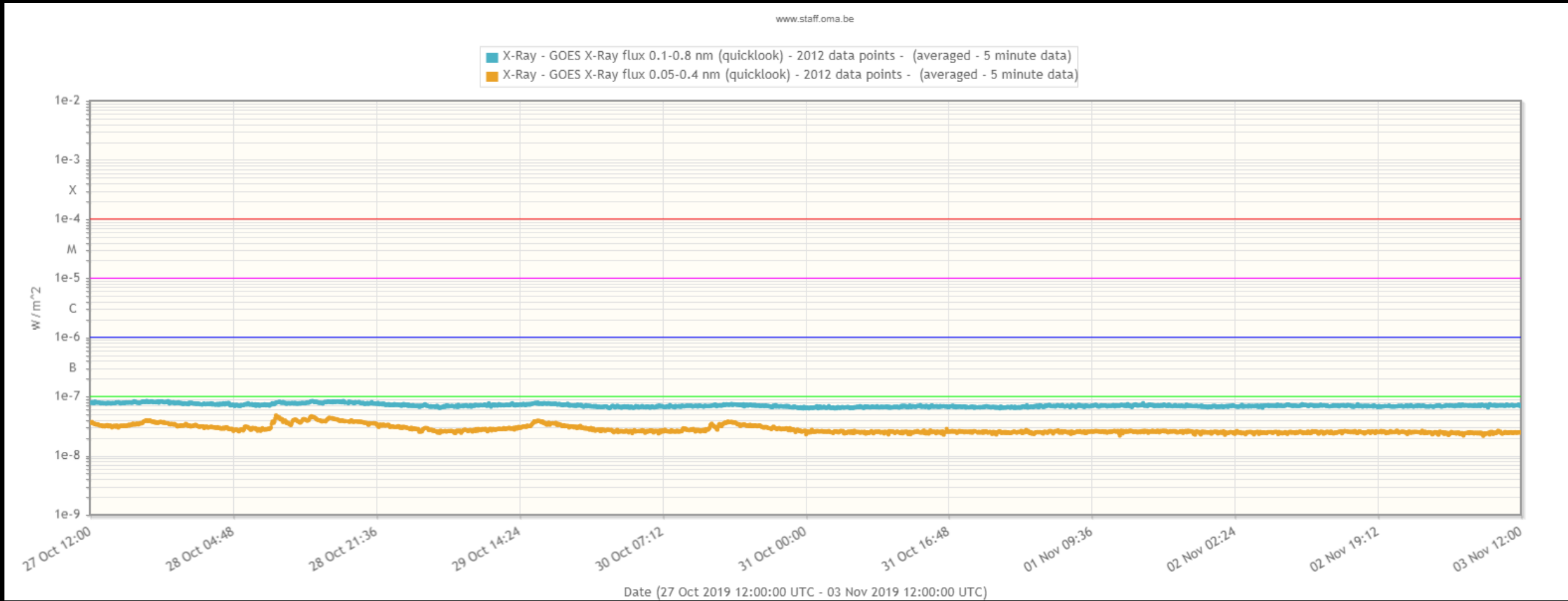
GONG H-Alpha / 6562.8 Å



Solar F10.7cm radio flux



Flaring activity

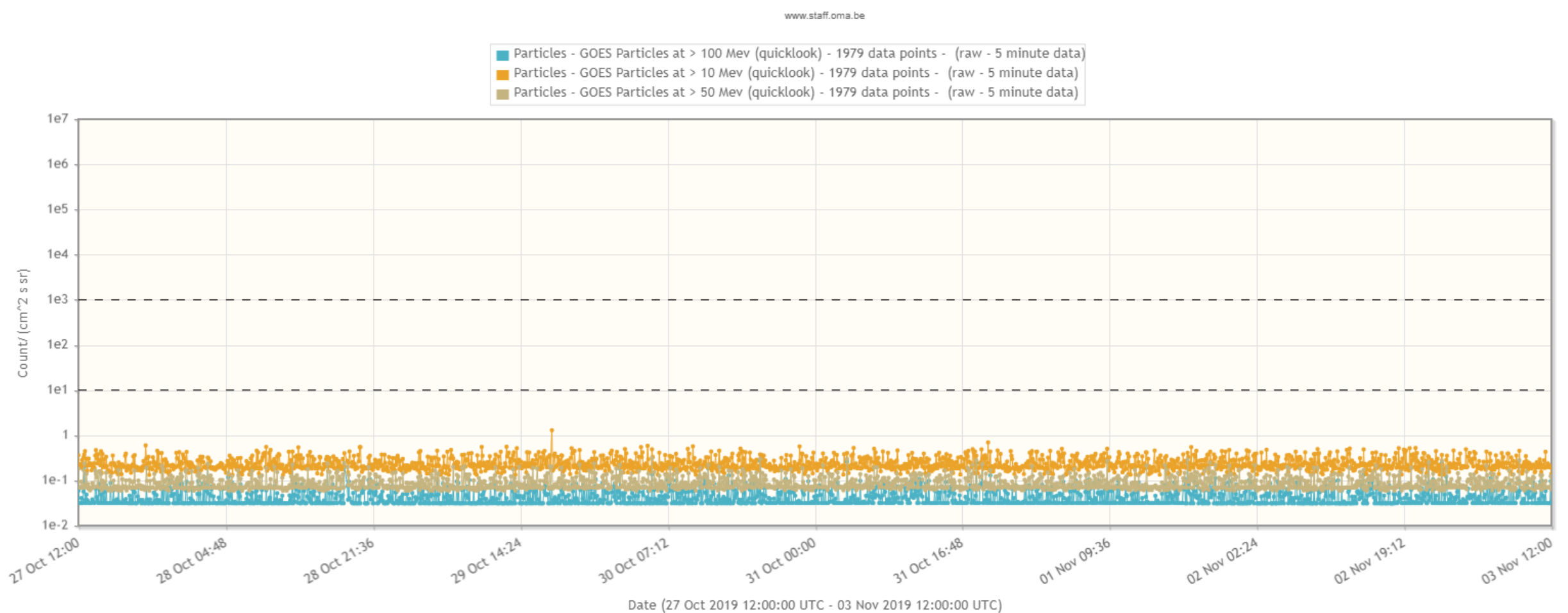


Coronal Mass Ejection



				02:48 11/04
				12:36 11/03
				10:00 11/03
				06:48 11/03
				03:24 11/03
				00:24 11/03
				21:12 11/02
				18:00 11/02
				14:42 11/02
				11:12 11/02
				08:12 11/02
				05:36 11/02
				02:00 11/02
				22:24 11/01
				19:12 11/01
				16:48 11/01
				13:30 11/01
				10:00 11/01
				07:12 11/01
				02:48 11/01
				23:12 10/31
				20:00 10/31
				17:00 10/31
				14:12 10/31
				10:48 10/31
				08:06 10/31
				05:24 10/31
				02:24 10/31
				22:30 10/30
				19:24 10/30
				16:24 10/30
				12:36 10/30
				10:12 10/30
				07:00 10/30
				04:18 10/30
				01:25 10/30
				22:00 10/29
				18:36 10/29
				15:48 10/29
				12:36 10/29
				09:48 10/29
				06:18 10/29
				03:36 10/29
				00:00 10/29
S	W	N	E	

Solar proton flux

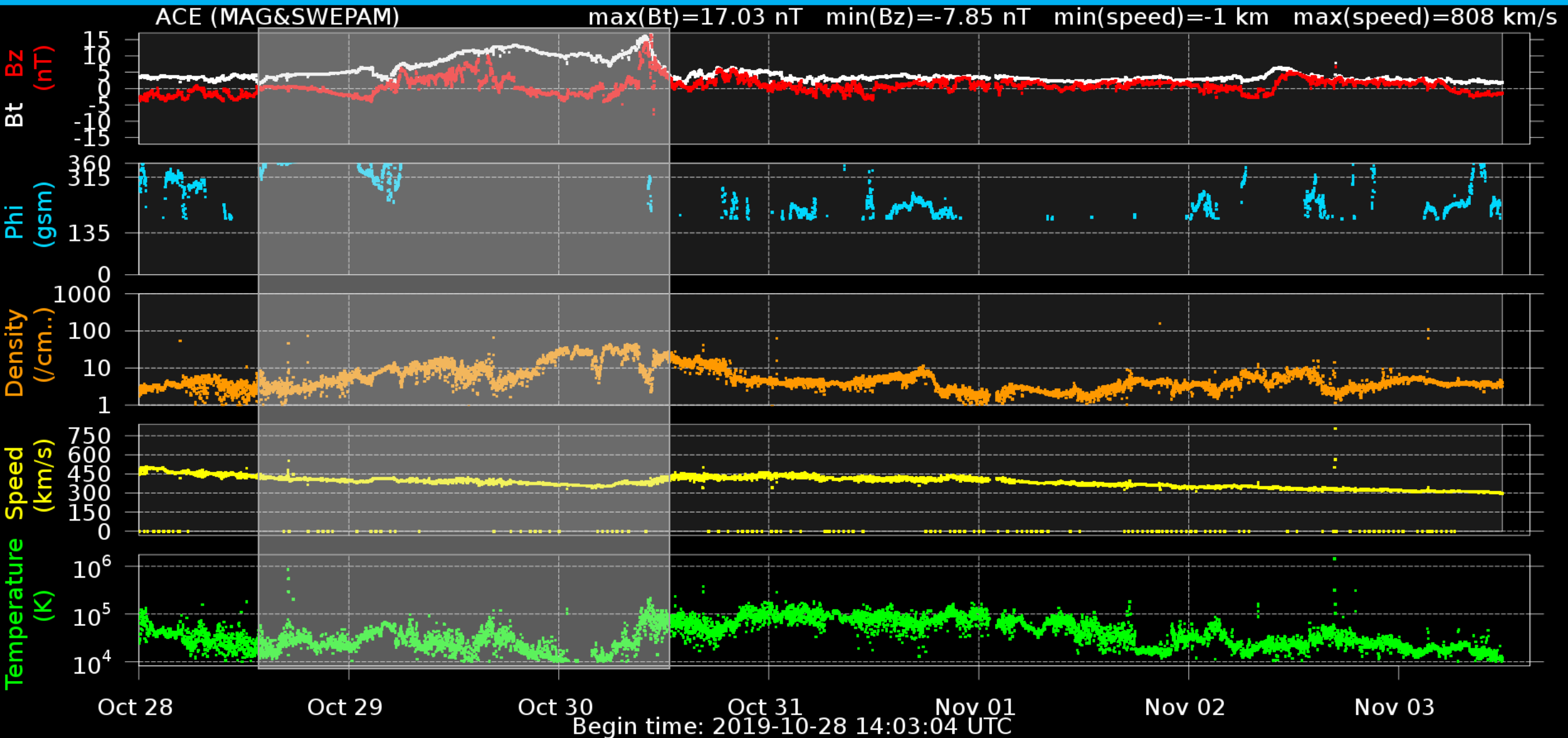


Solar Wind and Geomagnetic Activity

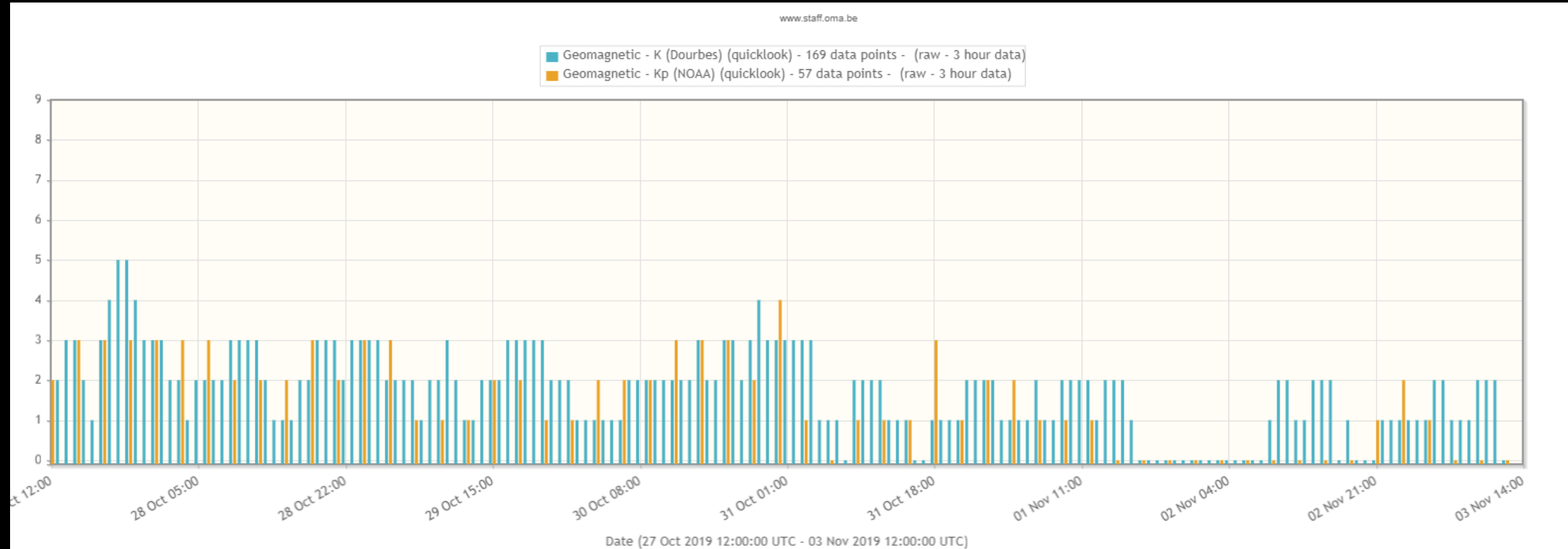


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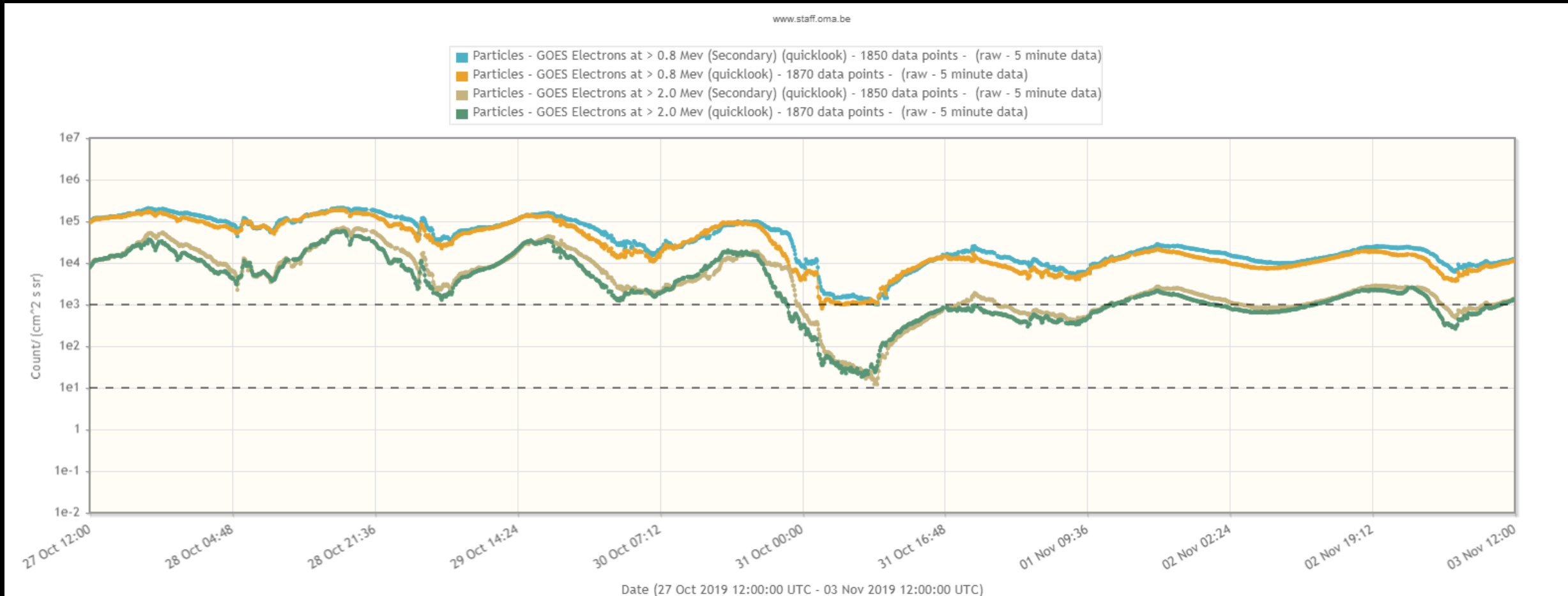
Solar wind parameters (ACE data)



Geomagnetic activity (K-indexes)



Electron flux (GOES)



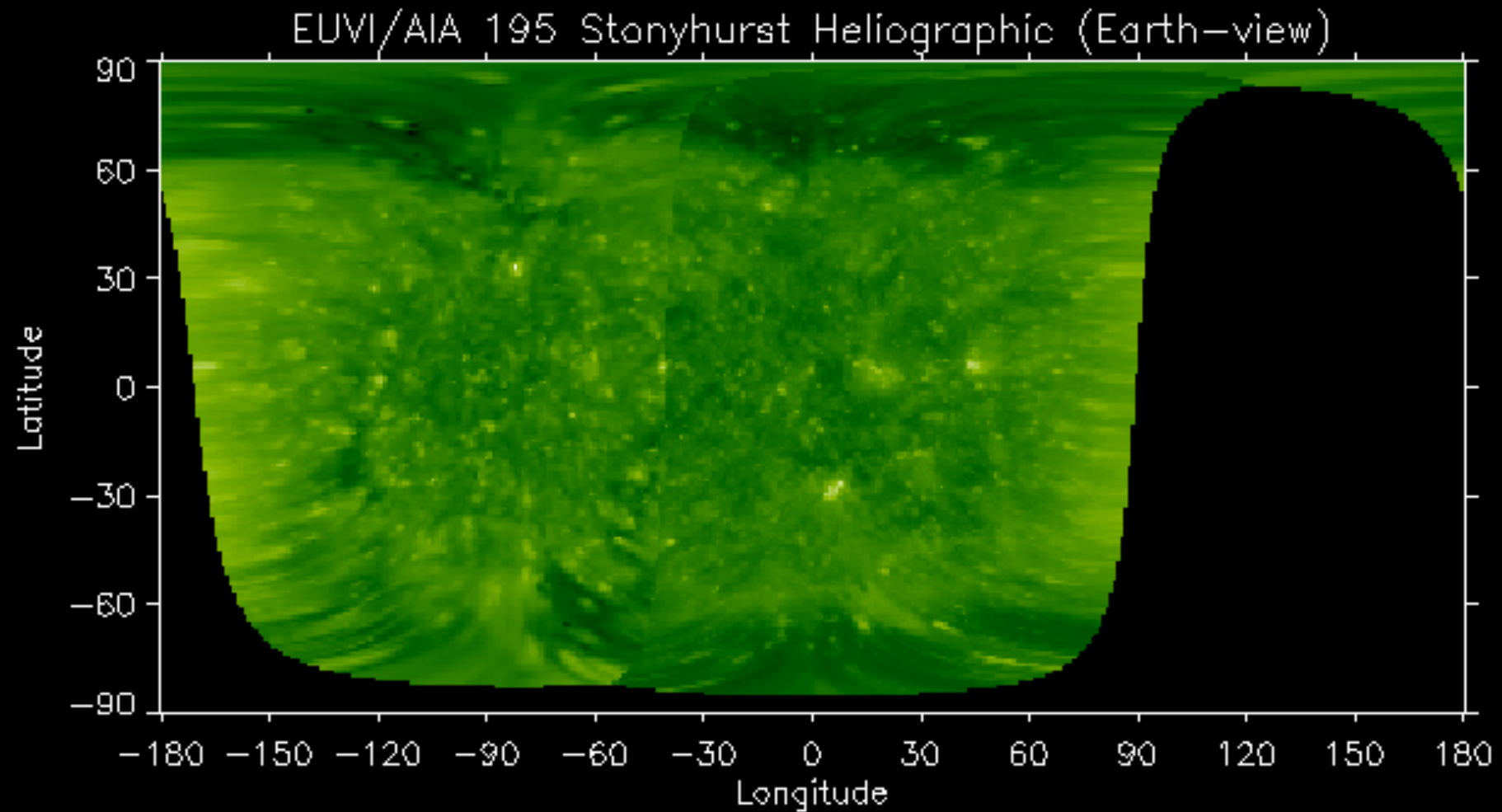
Outlook



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Outlook: Solar activity



Observation date: 2019/11/04 08:05:30

Outlook: Solar wind



SIDC Space Weather Briefing

See you at our next briefing!

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