

SIDC Space Weather briefing

06 – 12 November

Judith de Patoul
&

SIDC forecaster team

Solar Influences
Data analysis Centre
www.sidc.be



Royal Observatory
of Belgium

Summary Report

Solar Activity:

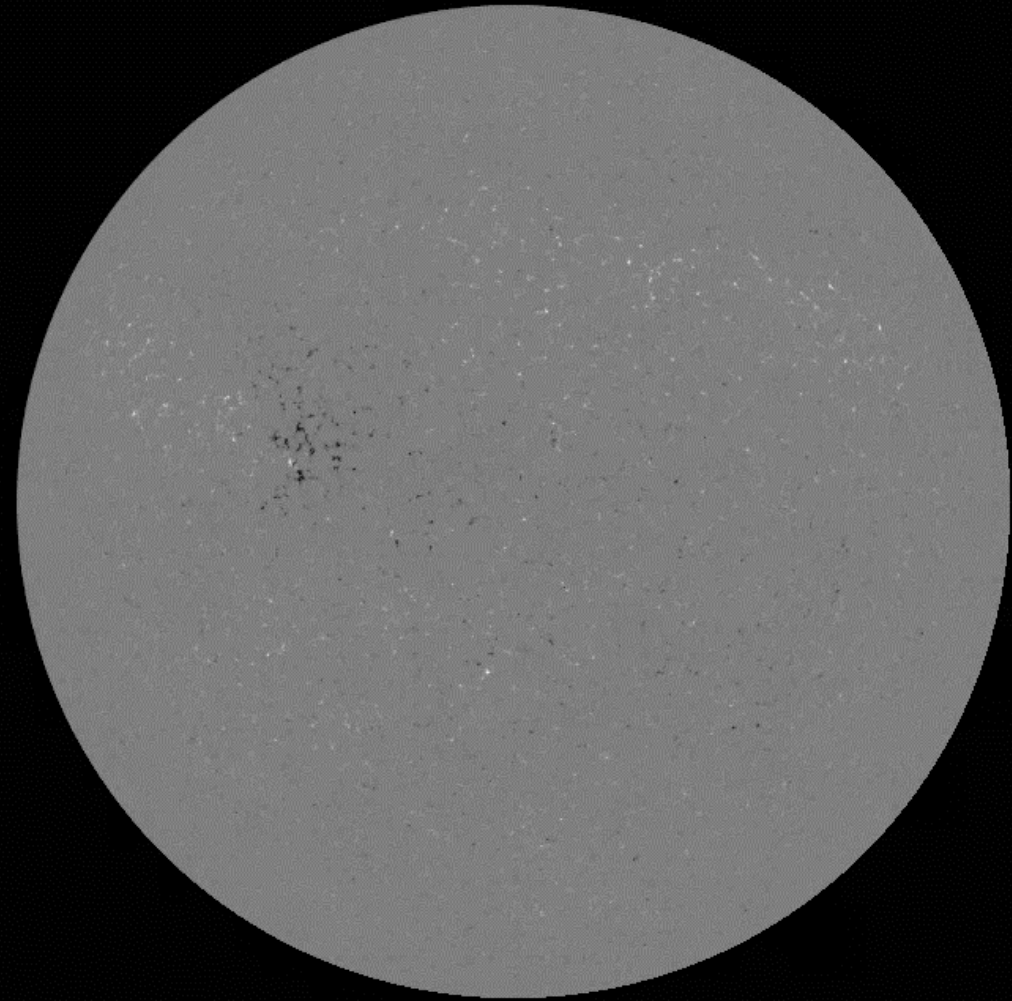
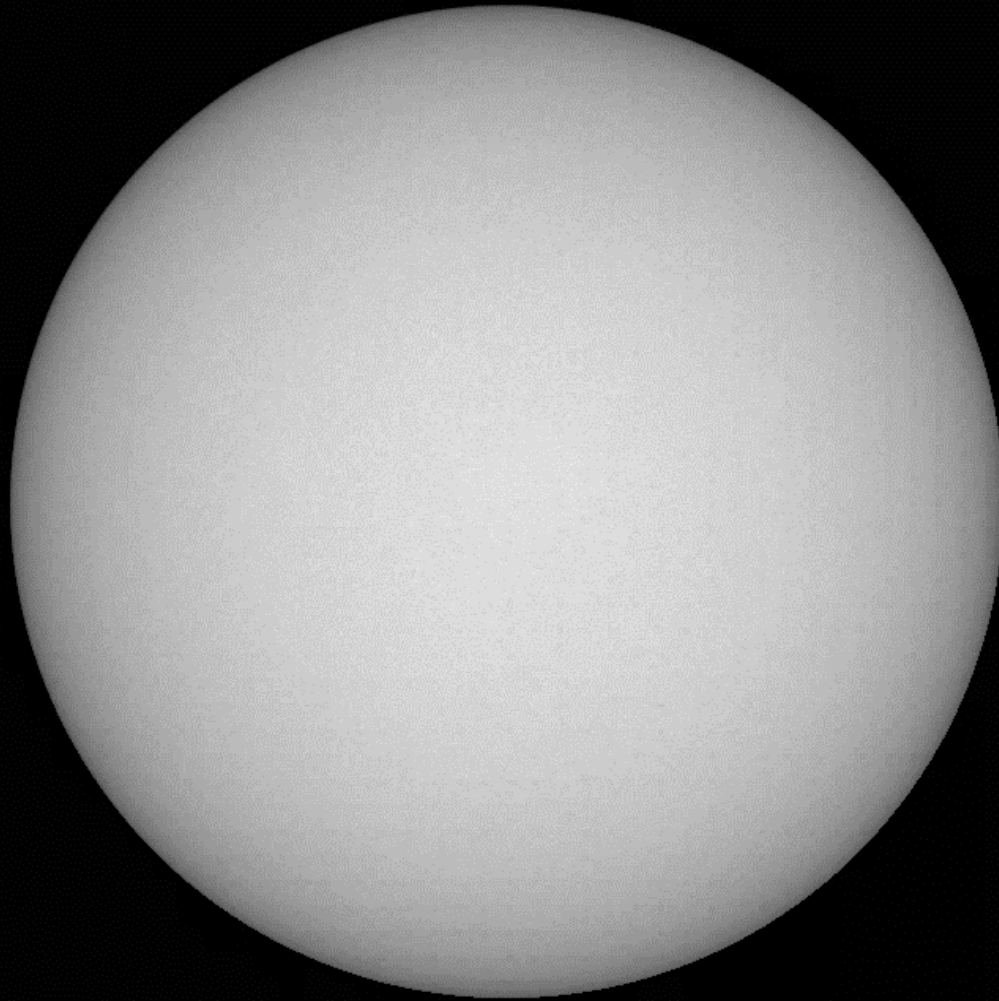
Active Regions	Spotless
Flaring	X-Ray flux below B-class flare
Filaments	Many filament (5), one eruption
CMEs	One filament eruption (NE quadrant)
Proton Event	Background level

Solar wind and Geomagnetic conditions:

SW conditions	SBC and CIR with Fast solar wind (~700 km/s)
ICME	No Earth directed CME
Kp index	Kp=6 and K-Dourbes=6
Coronal Hole	2 equatorial CH

End of ALL QUIET ALERT on November 07

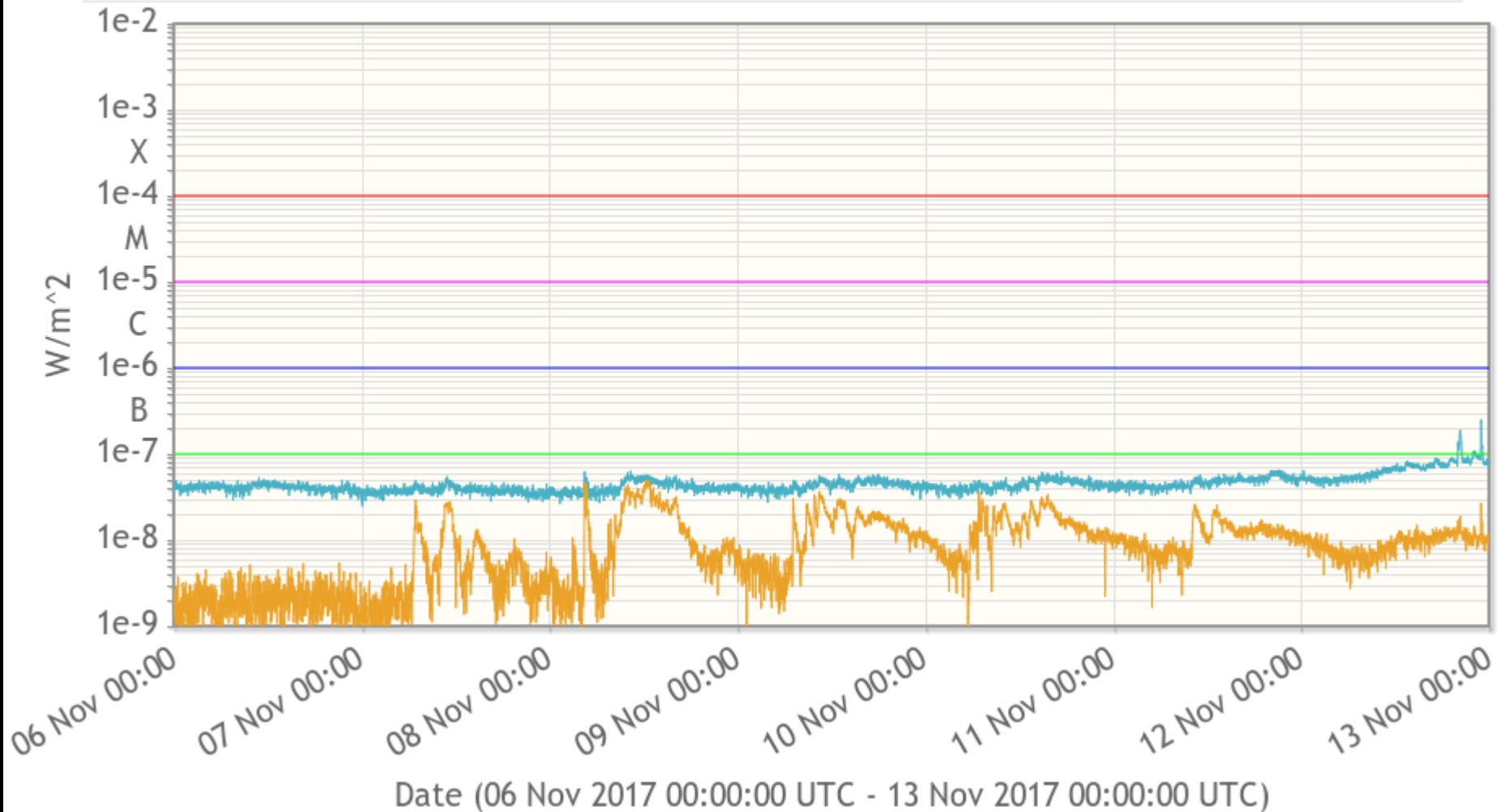
Solar active region evolution



Solar X-ray Flux

www.staff.oma.be

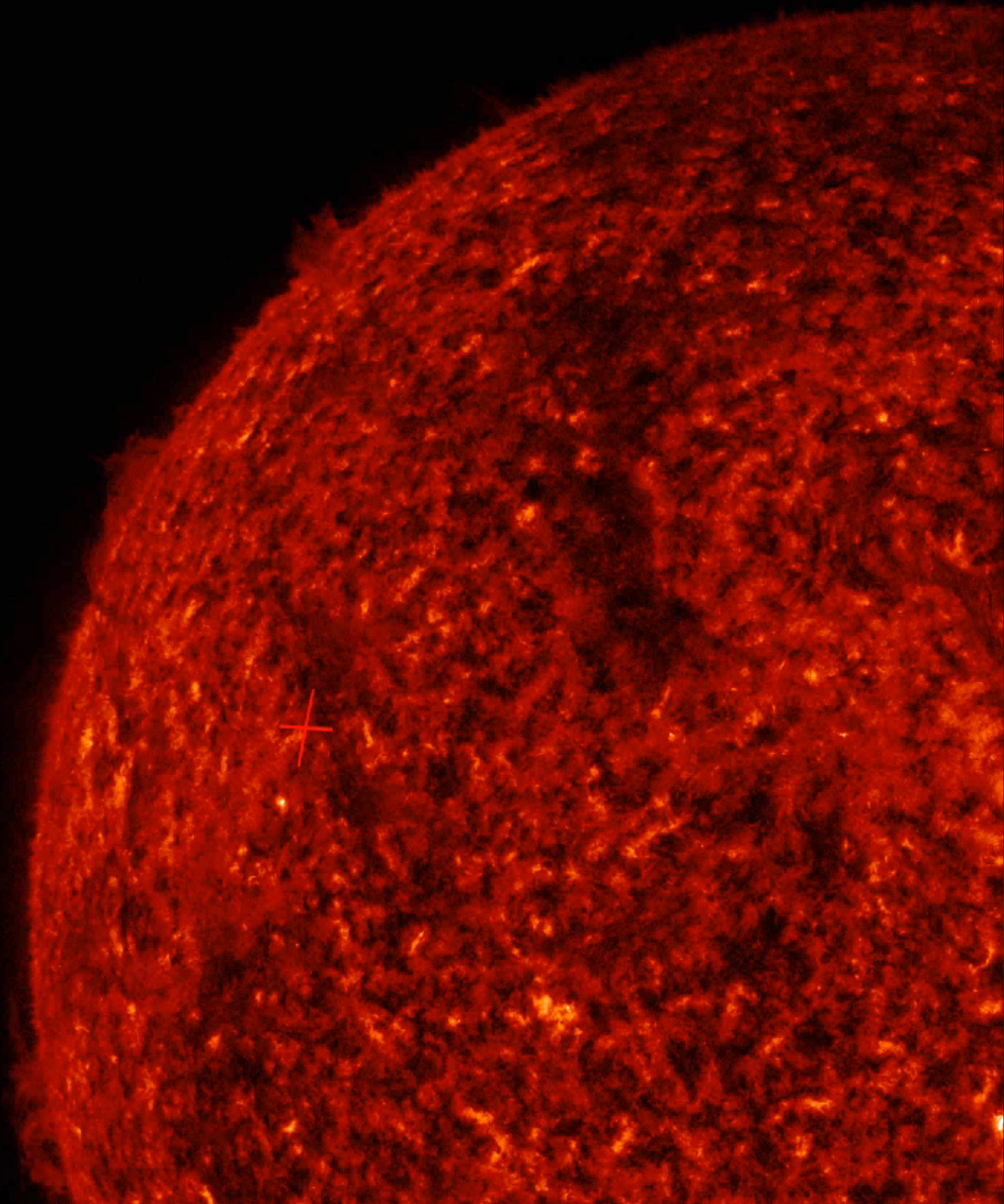
- X-Ray - GOES X-Ray flux 0.1-0.8 nm (quicklook) - 10063 data points - (raw - 1 minute data)
- X-Ray - GOES X-Ray flux 0.05-0.4 nm (quicklook) - 10063 data points - (raw - 1 minute data)



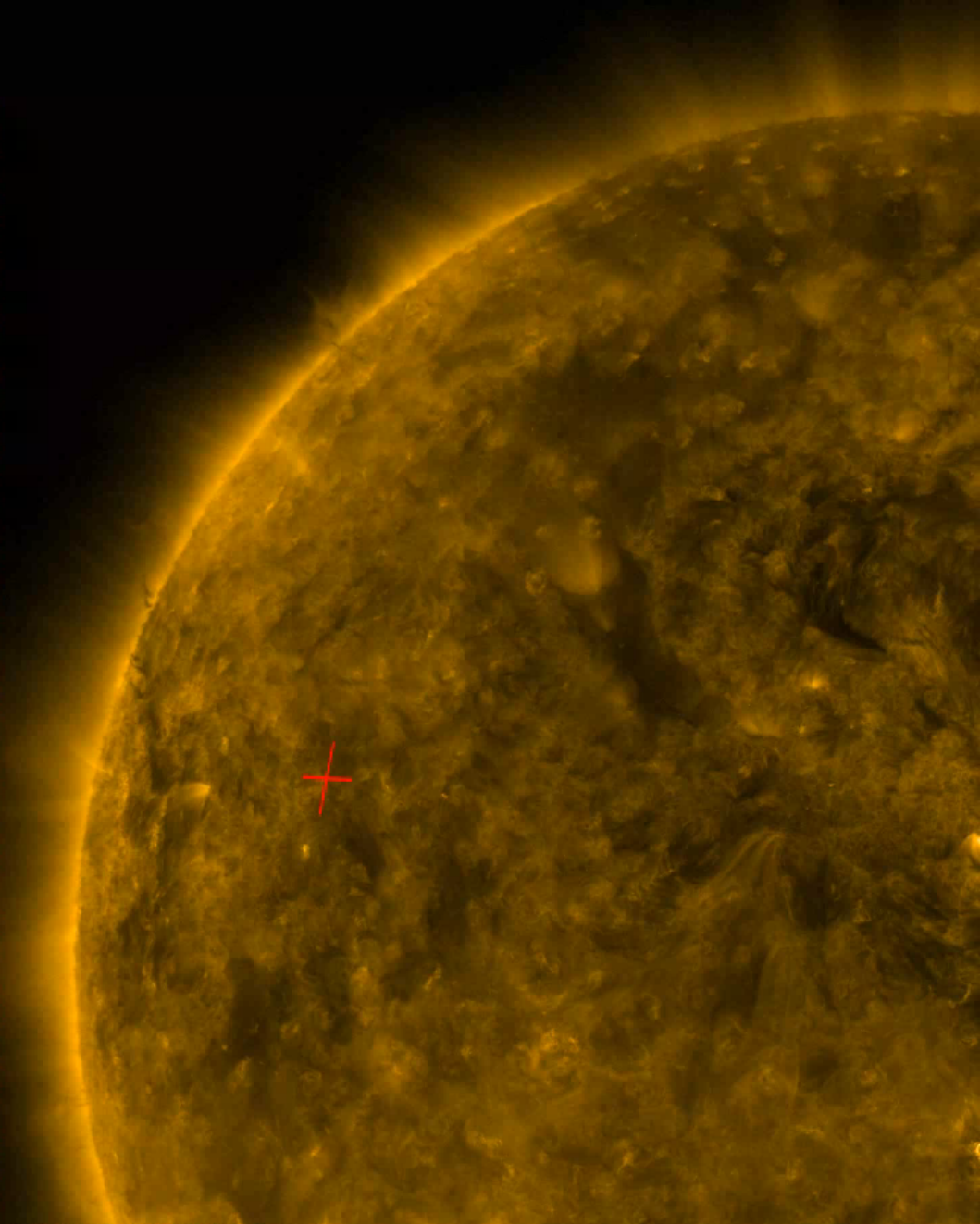
Filaments



Filaments

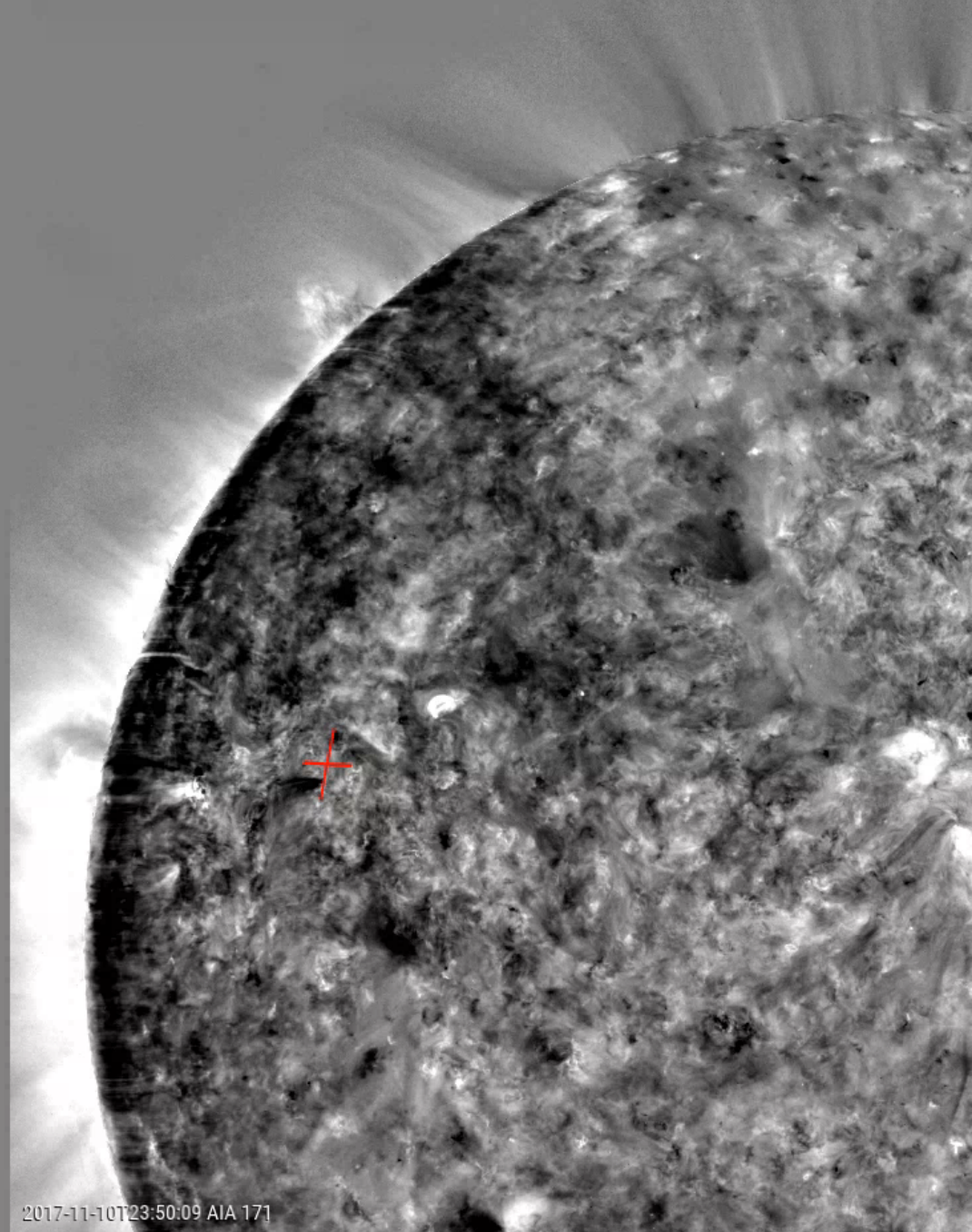


2017-11-10T00:51:17 AIA 304

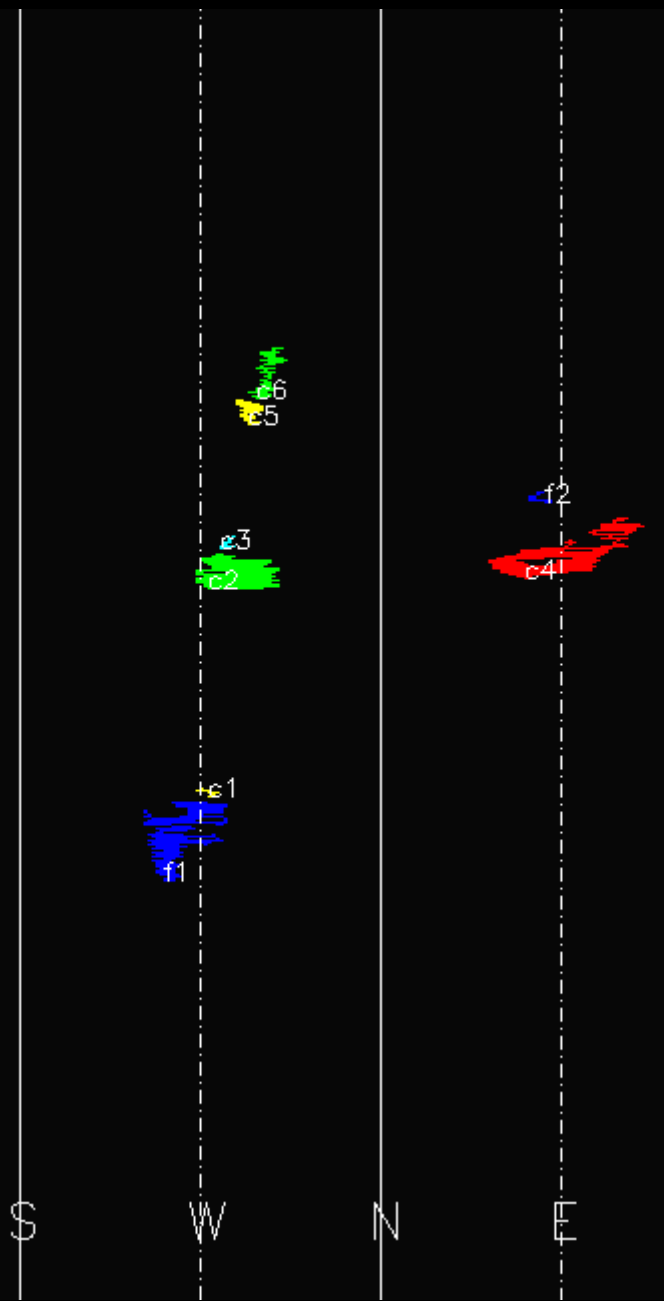


2017-11-10T00:51:09 AIA 171

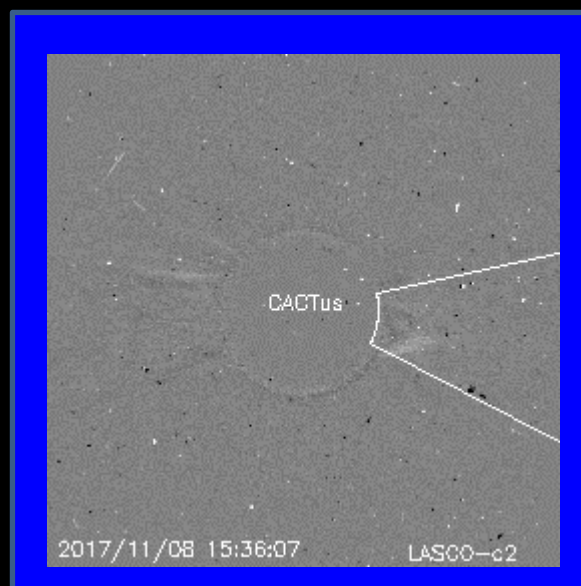
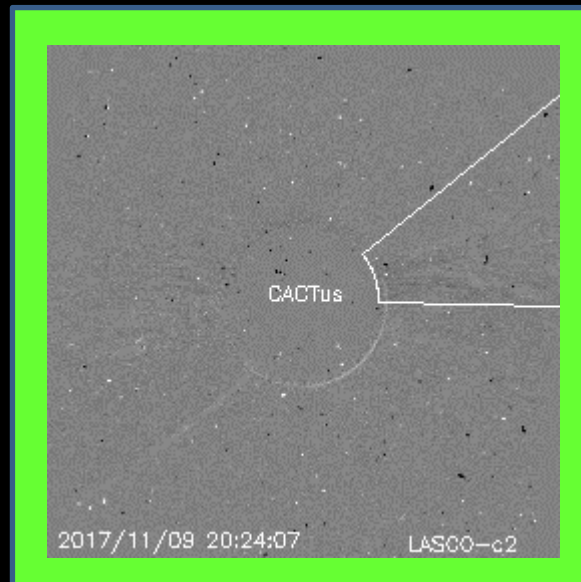
Filaments



CMEs



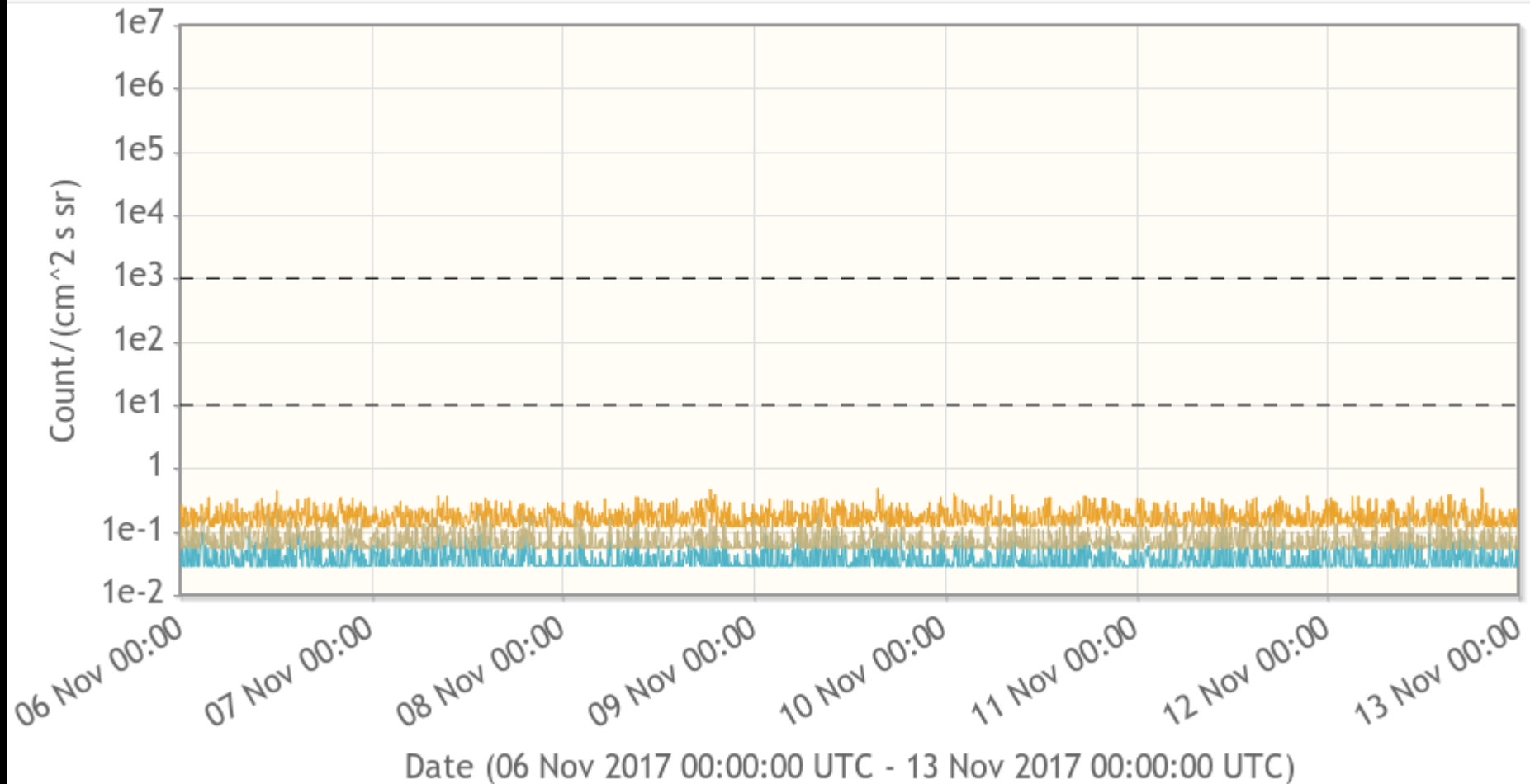
04:48	11/13
09:24	11/12
06:24	11/12
03:48	11/12
00:48	11/12
21:25	11/11
18:36	11/11
15:36	11/11
12:00	11/11
09:12	11/11
05:48	11/11
03:12	11/11
23:48	11/10
20:24	11/10
17:12	11/10
14:00	11/10
10:36	11/10
07:48	11/10
19:12	11/09
15:48	11/09
12:24	11/09
09:36	11/09
06:36	11/09
03:48	11/09
00:30	11/09
21:48	11/08
19:00	11/08
16:24	11/08
13:36	11/08
10:24	11/08
07:36	11/08
04:48	11/08
02:00	11/08
22:36	11/07
19:36	11/07
17:00	11/07
14:00	11/07
10:48	11/07
08:24	11/07
05:54	11/07
03:24	11/07
00:00	11/07



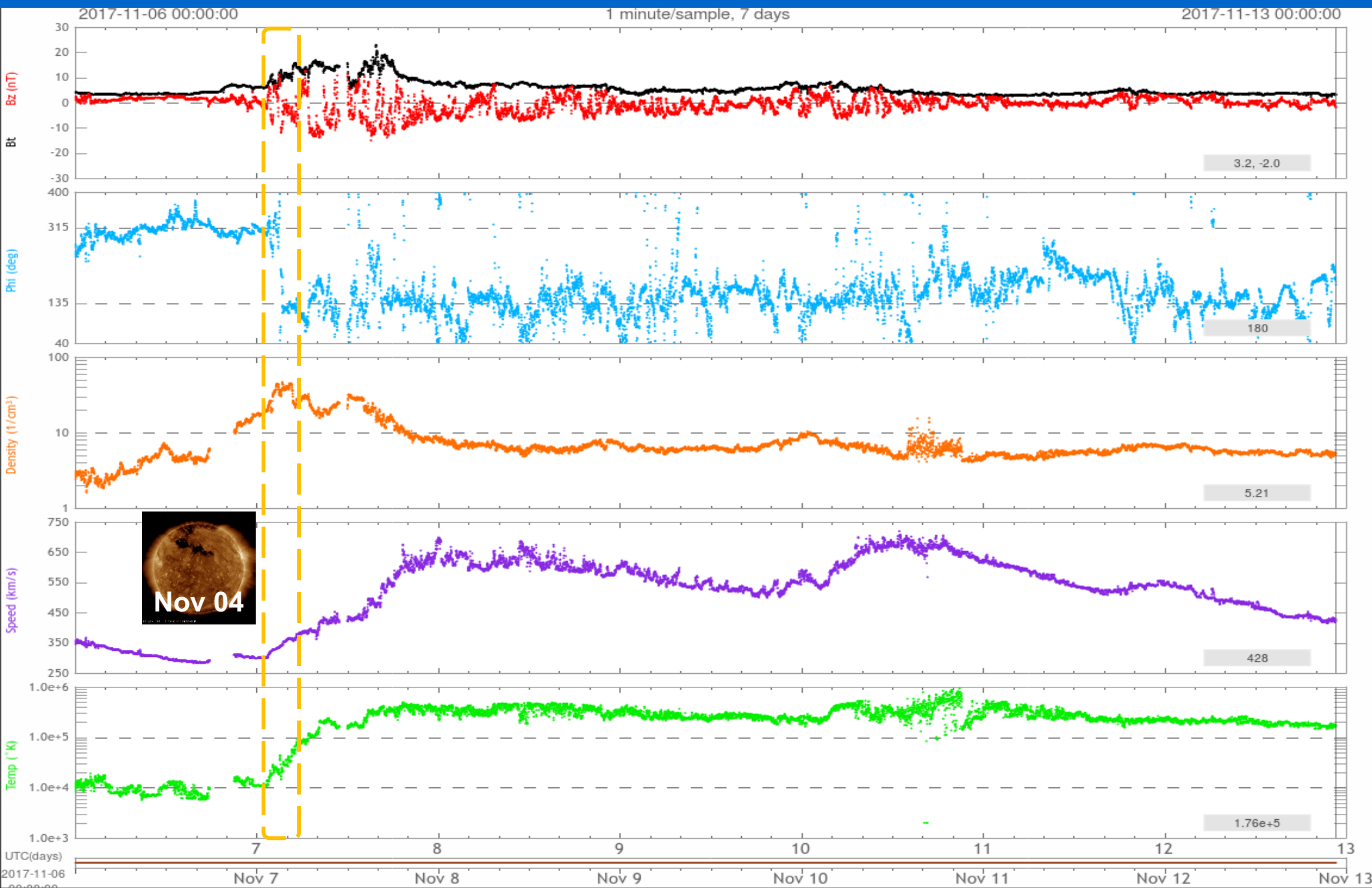
Energetic particles

www.staff.oma.be

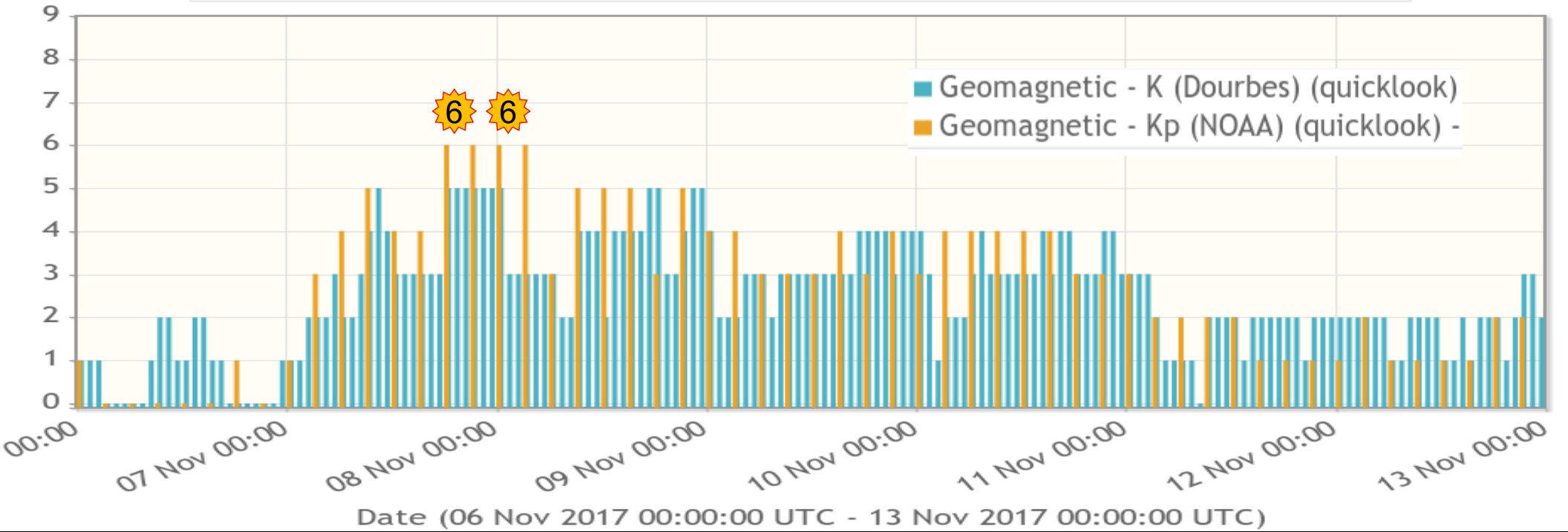
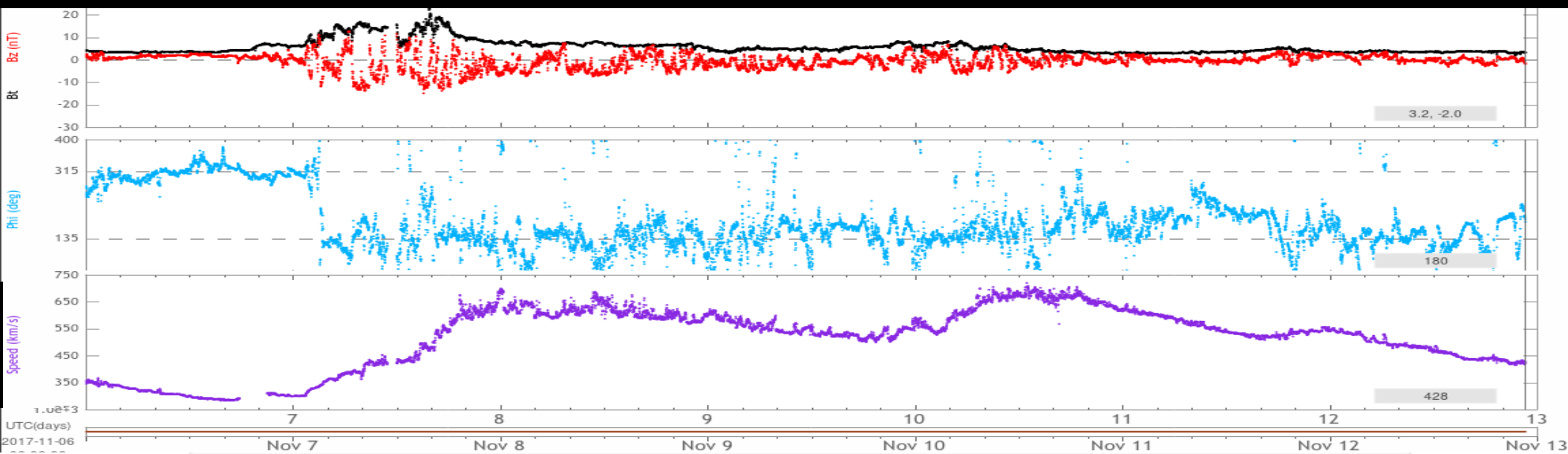
- Protons / Electrons - GOES Particles at > 100 Mev (quicklook) - 1963 data points - (raw - 5 minute data)
- Protons / Electrons - GOES Particles at > 10 Mev (quicklook) - 1963 data points - (raw - 5 minute data)
- Protons / Electrons - GOES Particles at > 50 Mev (quicklook) - 1963 data points - (raw - 5 minute data)



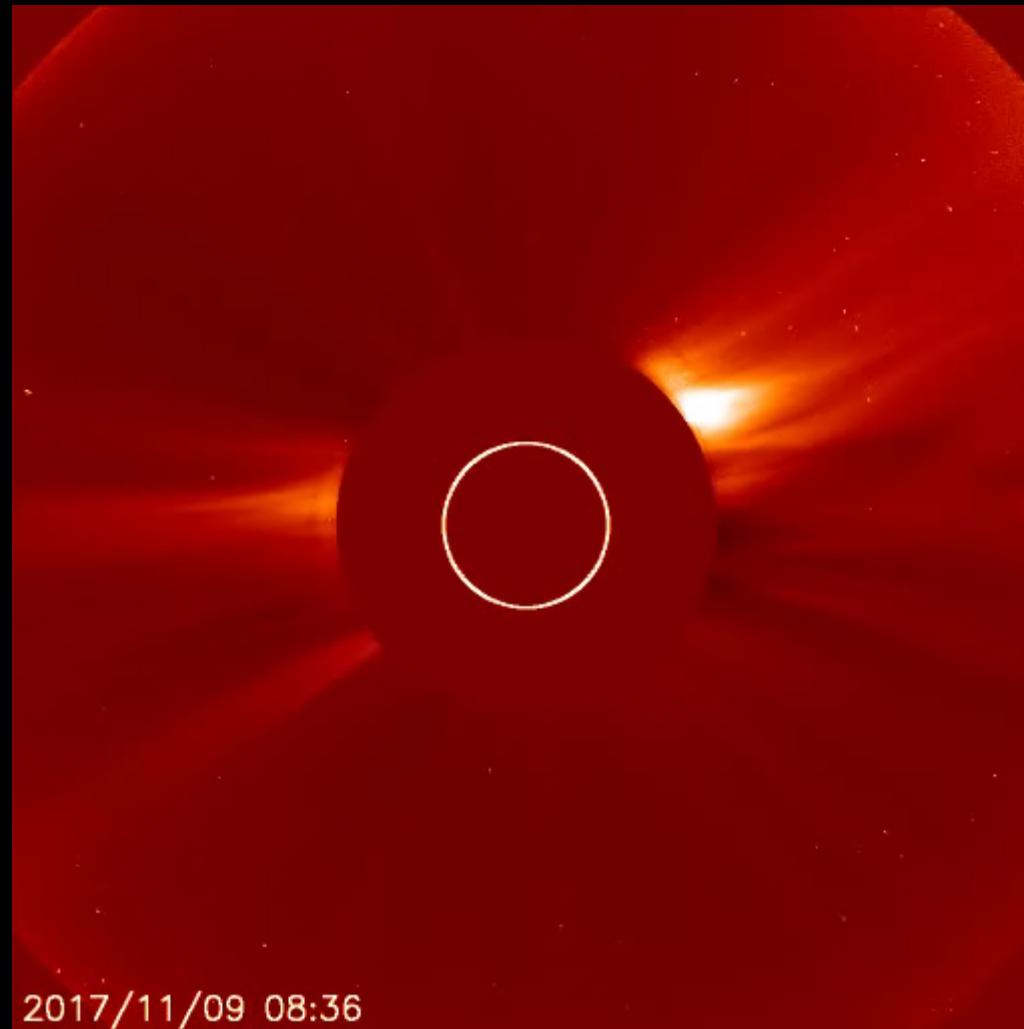
Solar wind



Geomagnetism

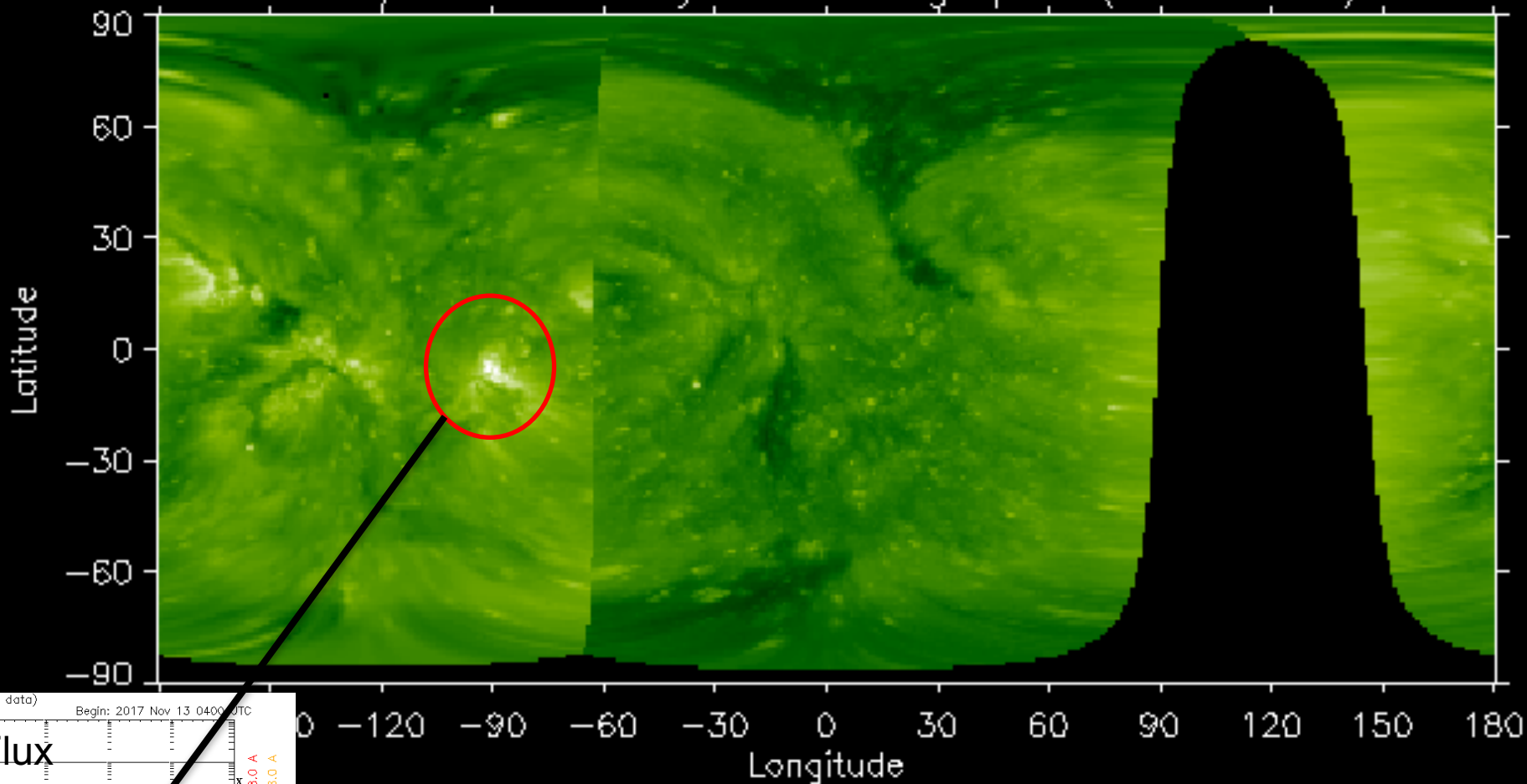


Outlook

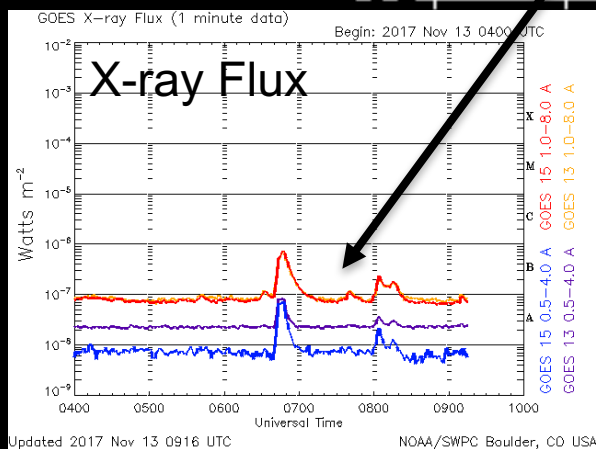


Outlook

EUVI/AIA 195 Stonyhurst Heliographic (Earth-view)

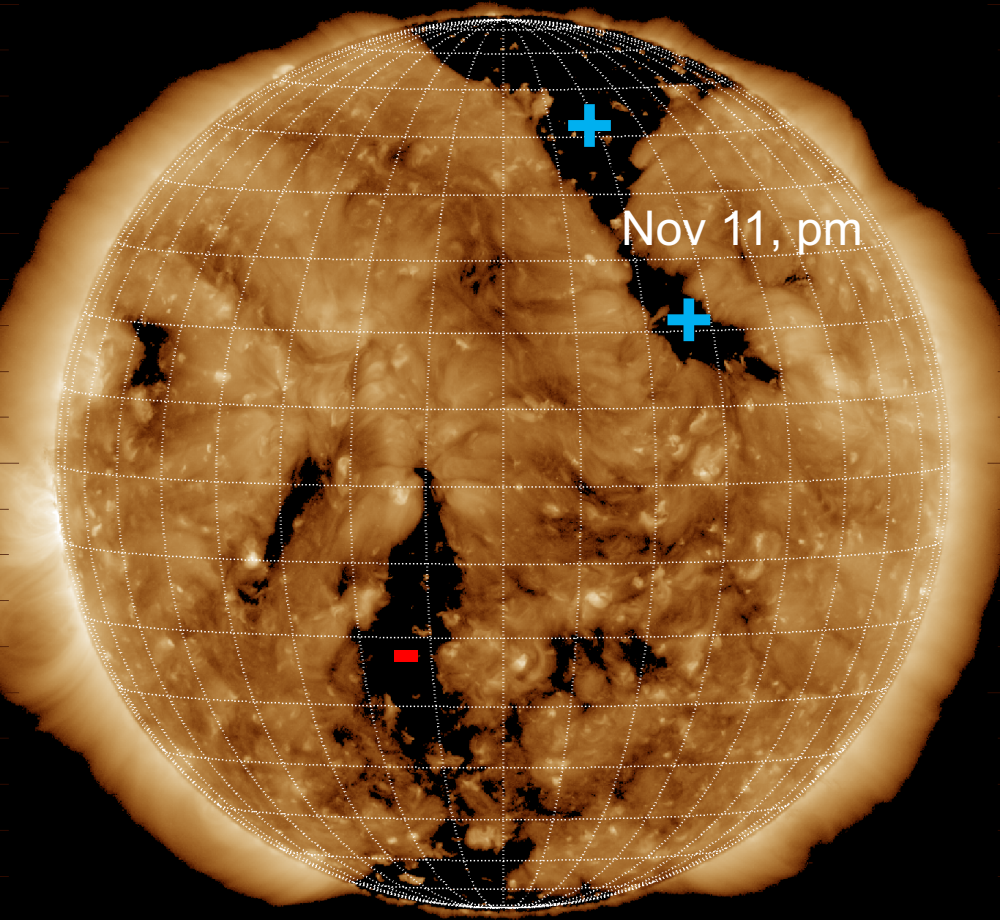


Observation date: 2017/11/13 08:05:30

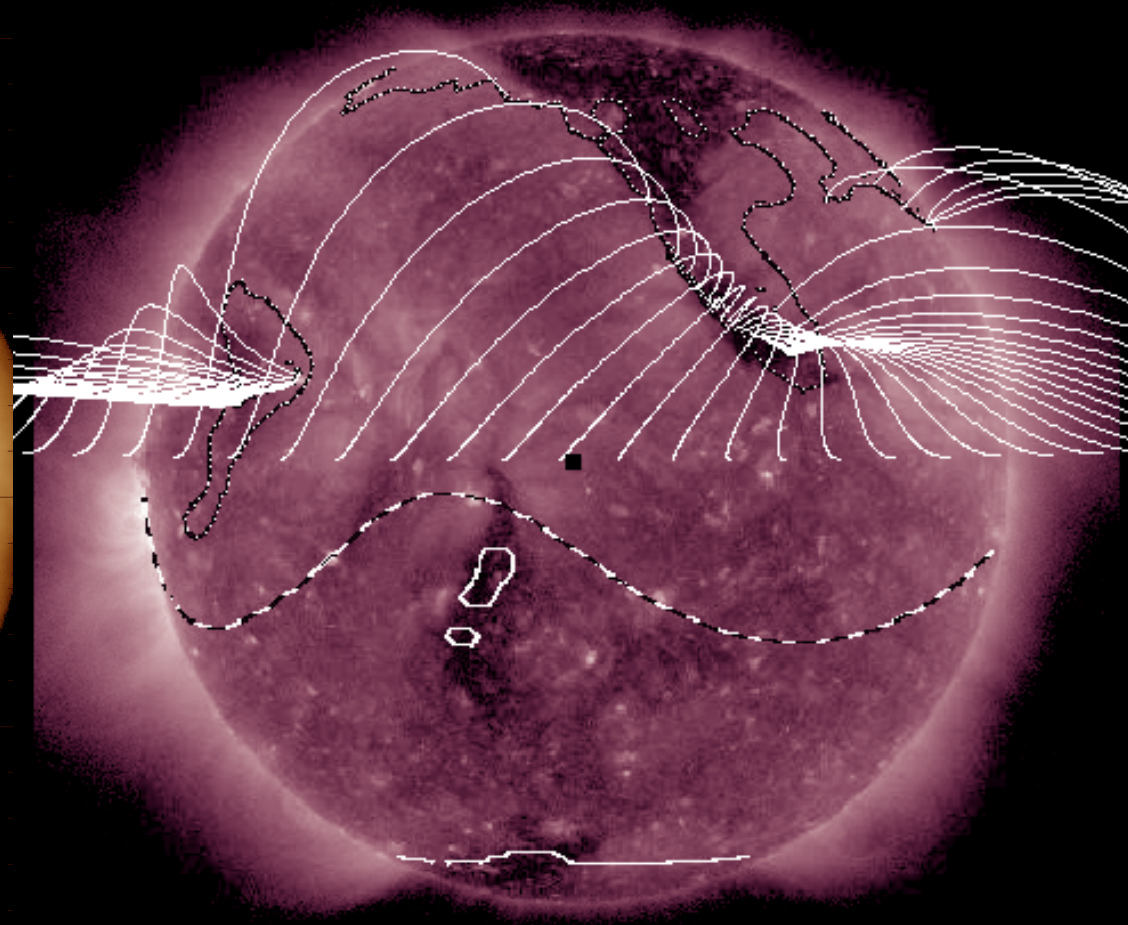


Outlook

SDO AIA Fe XII (193 Å) 13-Nov-2017 08:25:16.850



SolarMonitor.org



Model: 2017/11/13 12:04:32
AIA: 2017/11/13 07:22:11

SIDC Space Weather briefing

See you at our next briefing!

Or visit us at www.sidc.be

Solar Influences
Data analysis Centre
www.sidc.be



Royal Observatory
of Belgium