

# SIDC Space Weather briefing

04 – 10 December

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&

SIDC forecaster team

Solar Influences  
Data analysis Centre  
[www.sidc.be](http://www.sidc.be)



Royal Observatory  
of Belgium

# Summary Report

## Solar Activity:

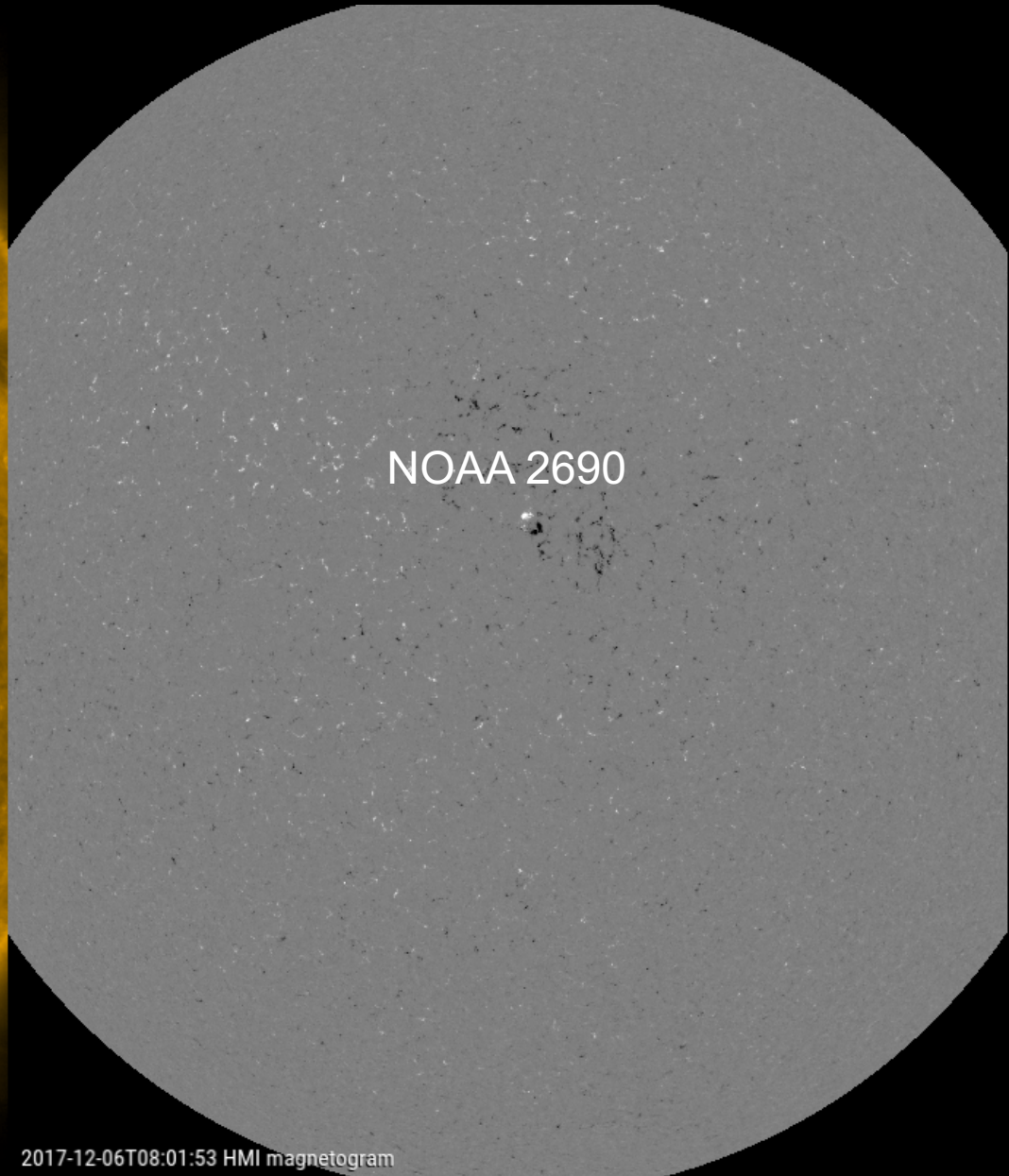
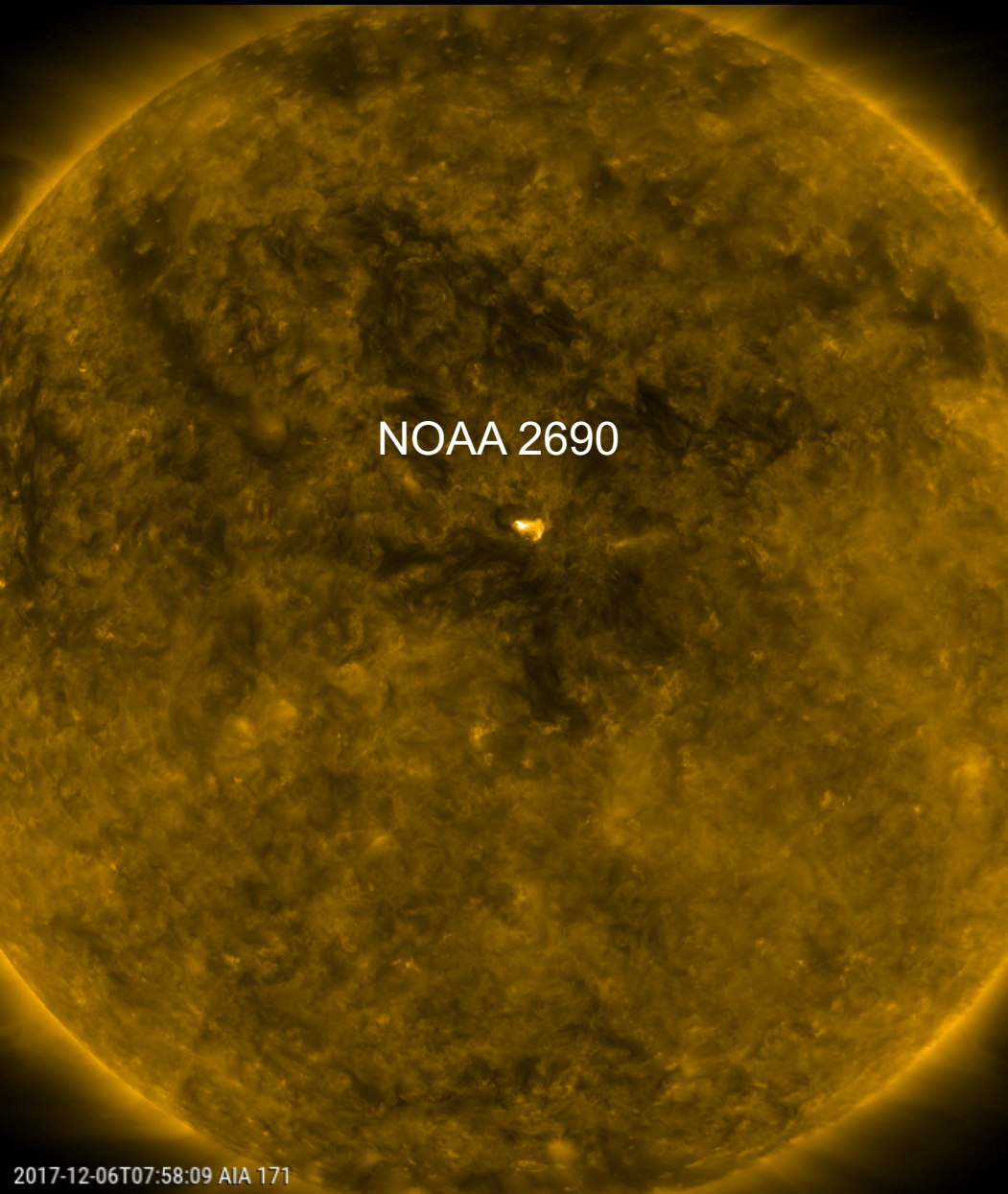
Active Regions	AR 2690 and AR 2691
Flaring	X-Ray flux below C-class flare
Filaments	2 filaments, no eruption
CMEs	Backward CME
Proton Event	Background level

## Solar wind and Geomagnetic conditions:

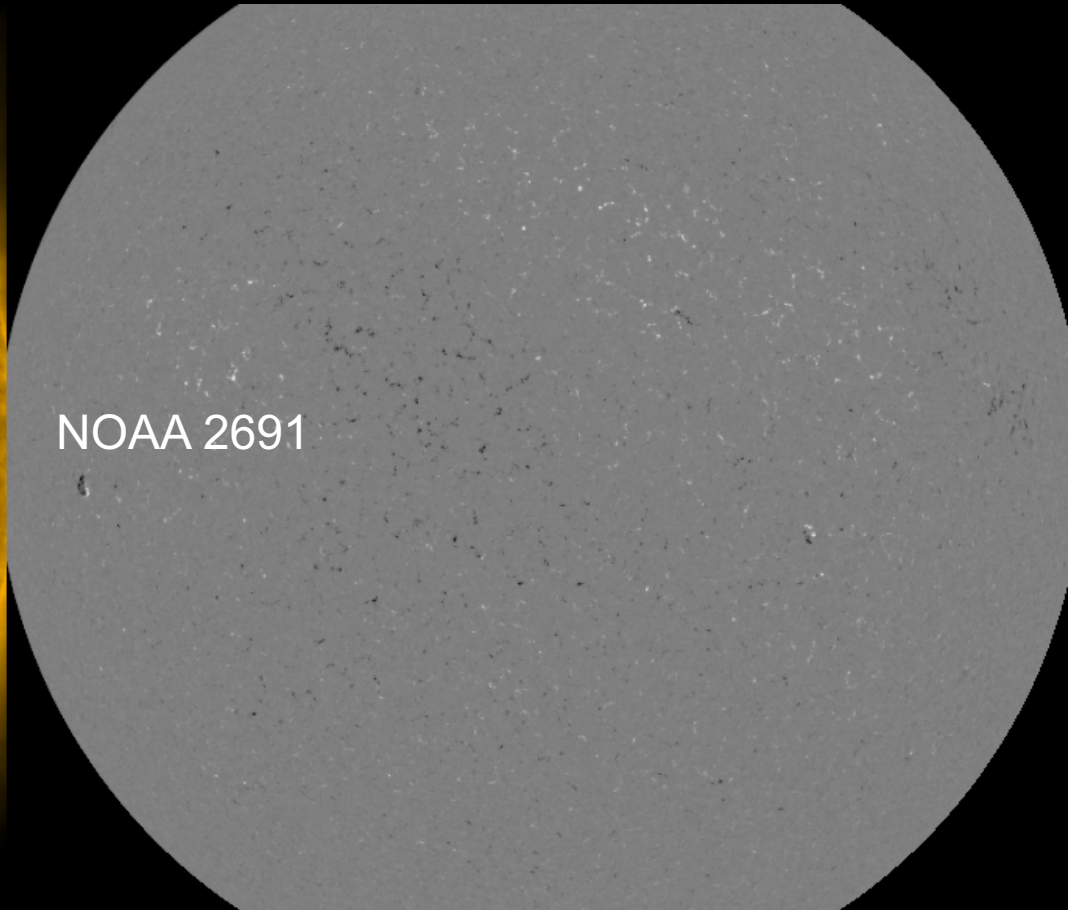
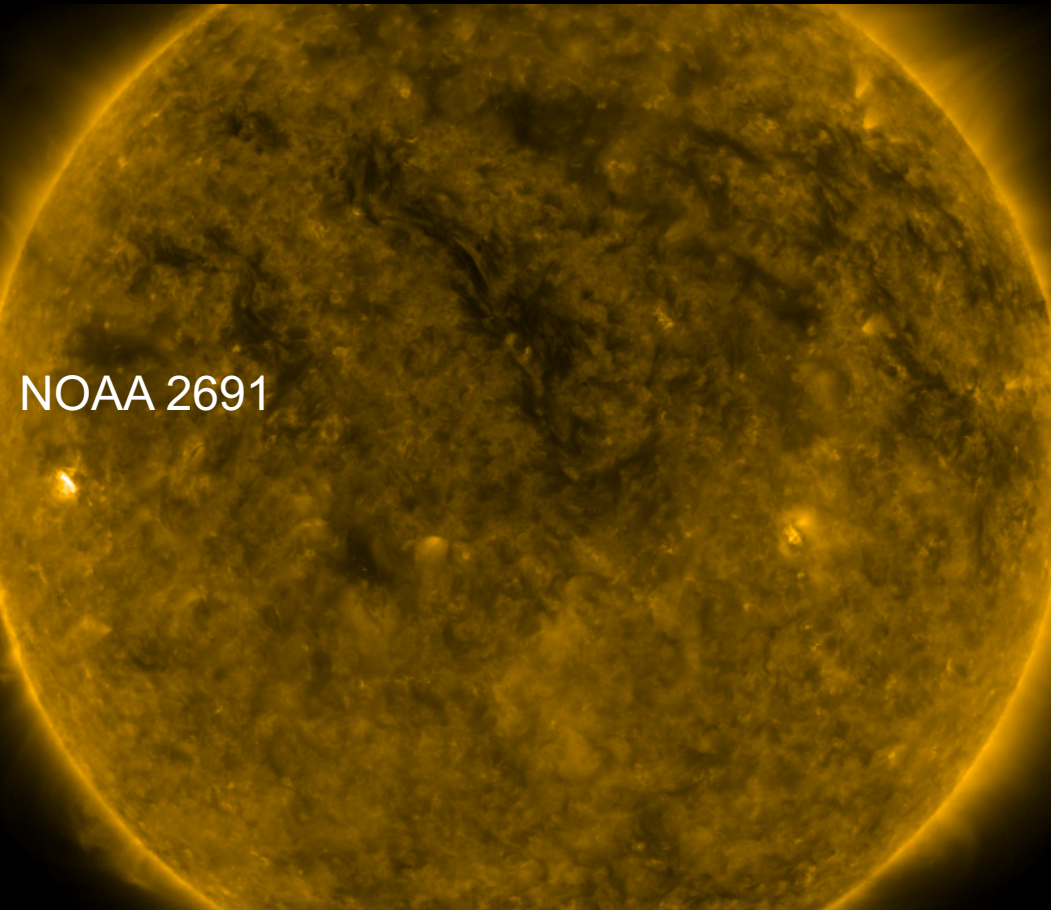
SW conditions	SBC and CIR with Fast solar wind (~630 km/s)
ICME	No Earth directed CME
Kp index	Kp=5 and K-Dourbes=5
Coronal Hole	2 equatorial CH

ALL QUIET ALERT on 08-10 December

# Solar active region evolution



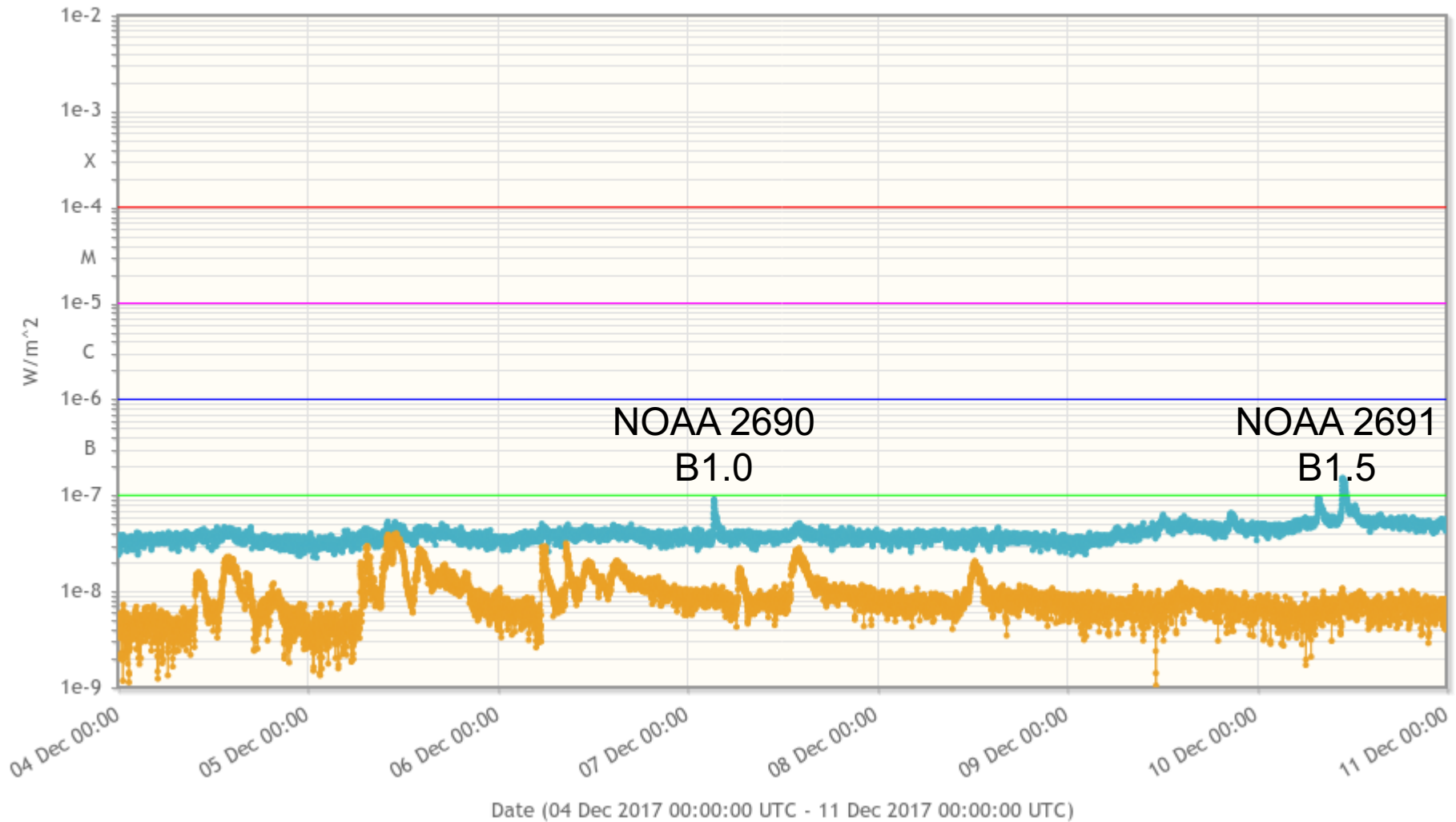
# Solar active region evolution



# Solar X-ray Flux

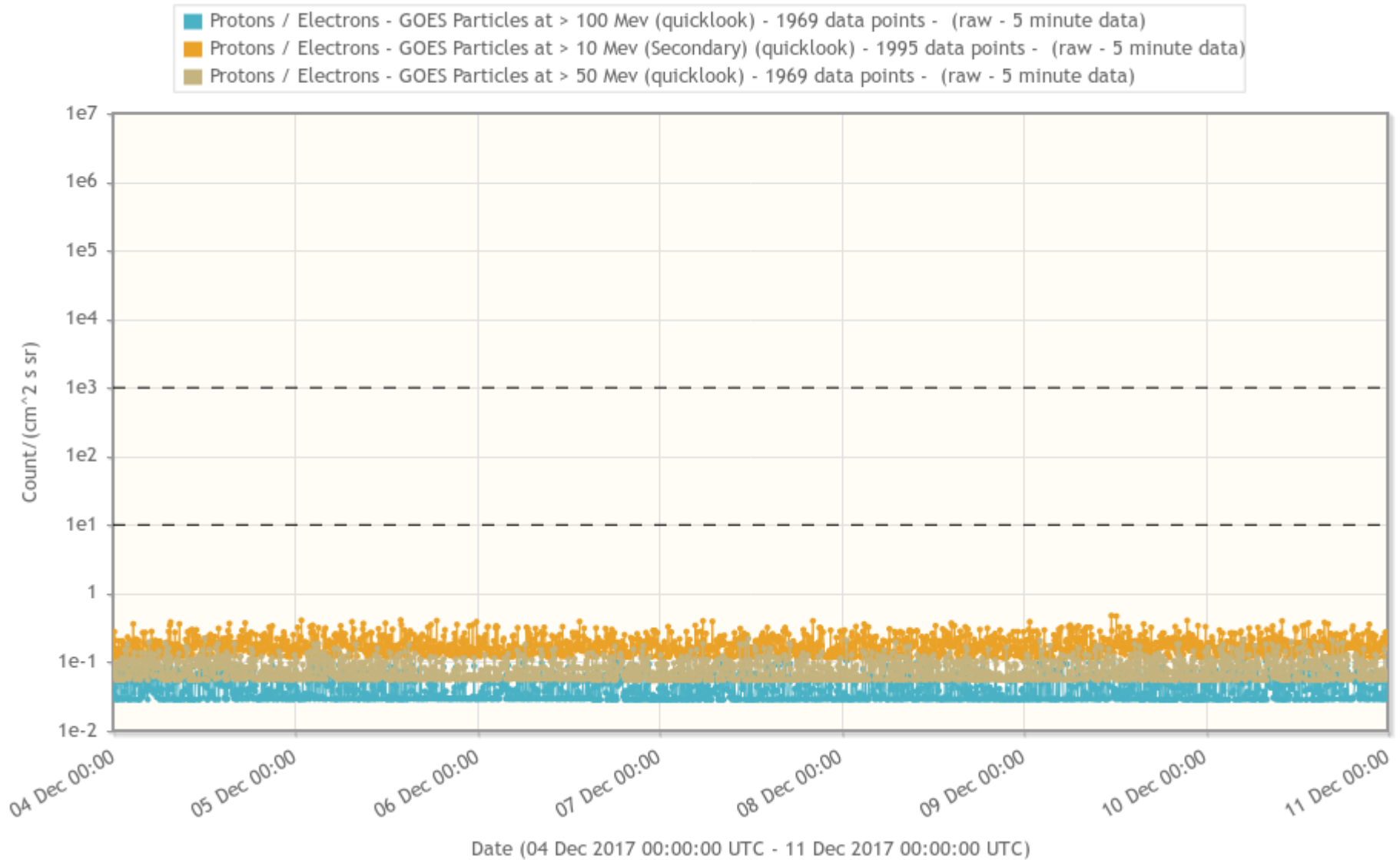
www.staff.oma.be

■ X-Ray - GOES X-Ray flux 0.1-0.8 nm (quicklook) - 10057 data points - (raw - 1 minute data)  
■ X-Ray - GOES X-Ray flux 0.05-0.4 nm (quicklook) - 10057 data points - (raw - 1 minute data)

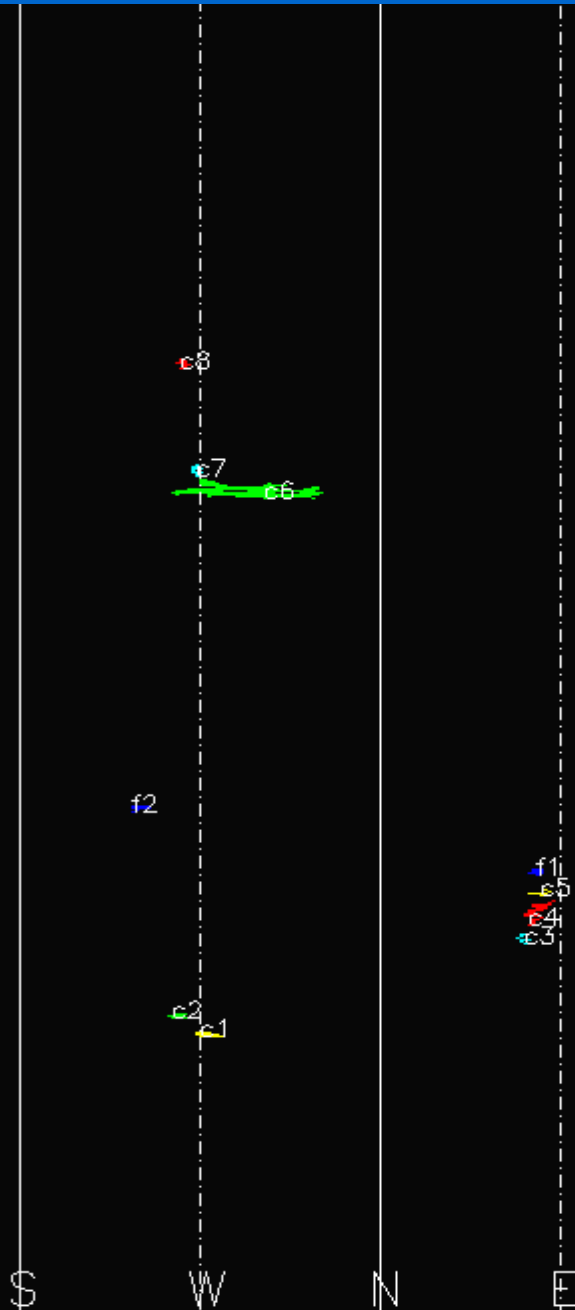


# Energetic particles

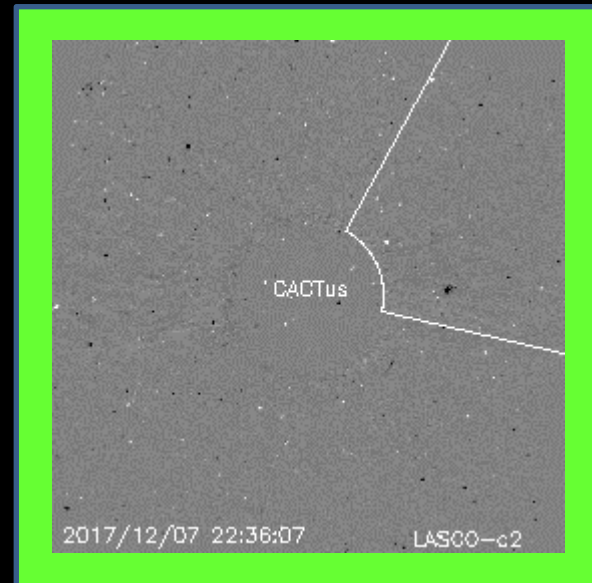
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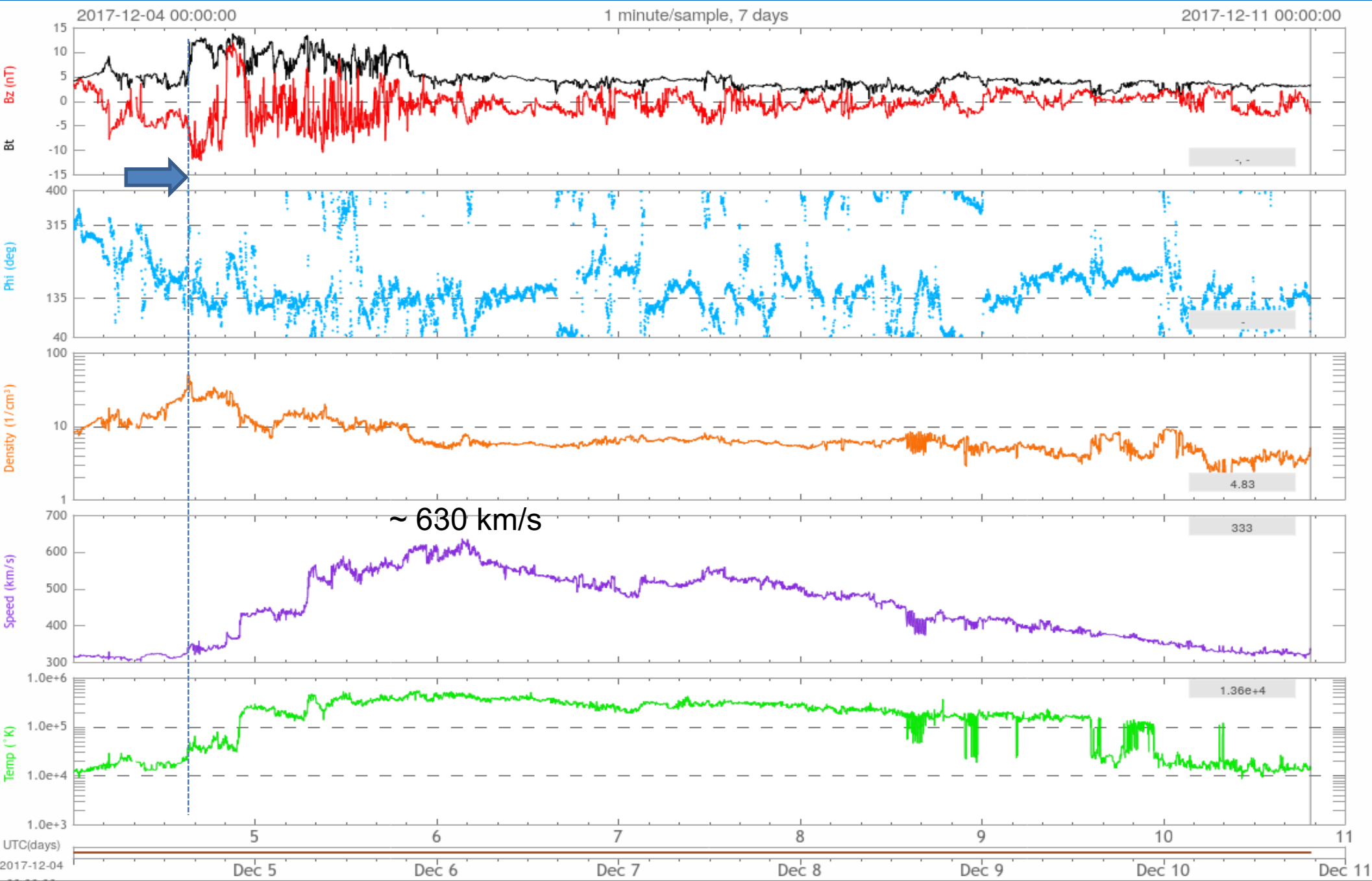
# CMEs



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

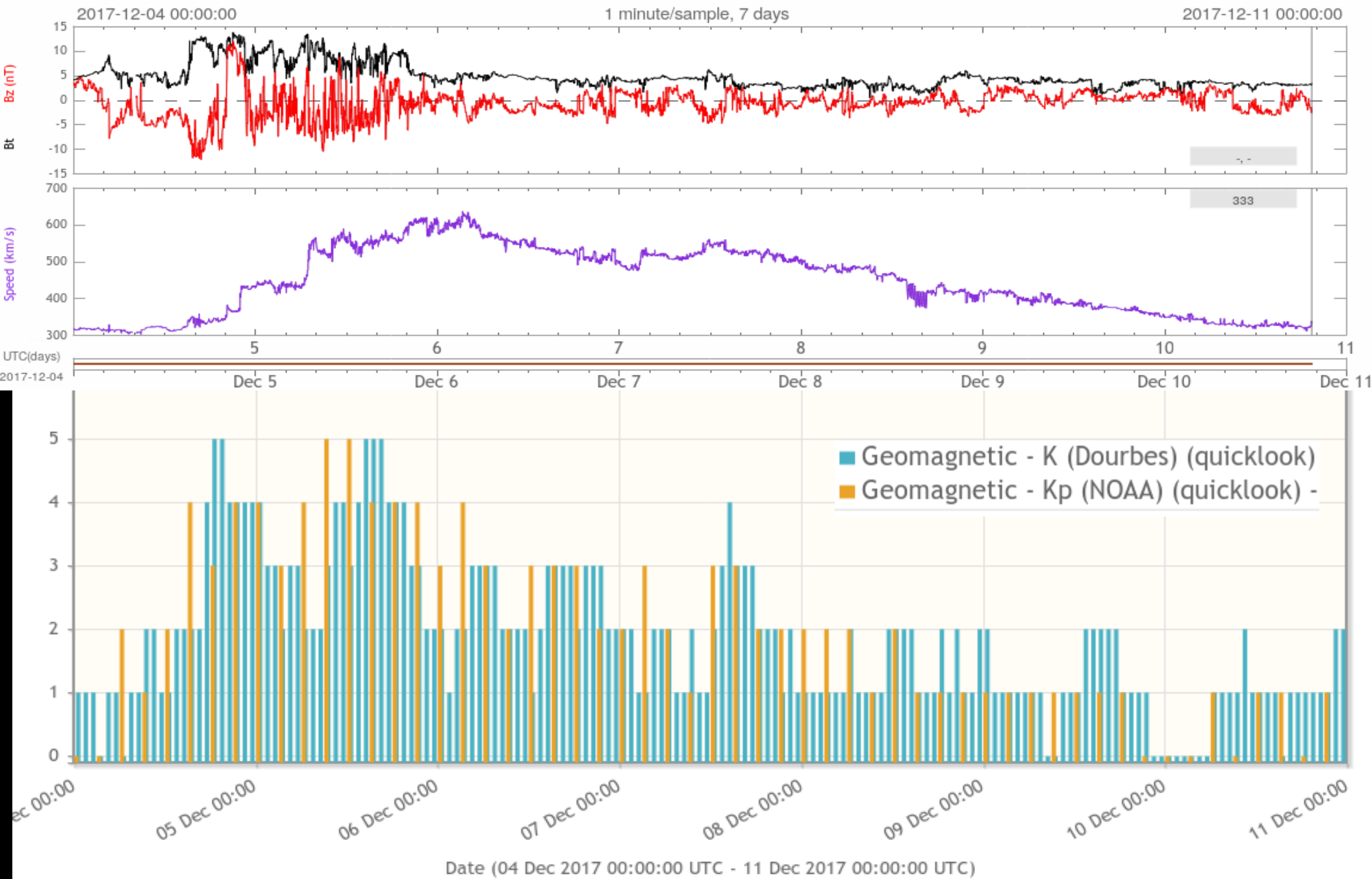


# Solar wind



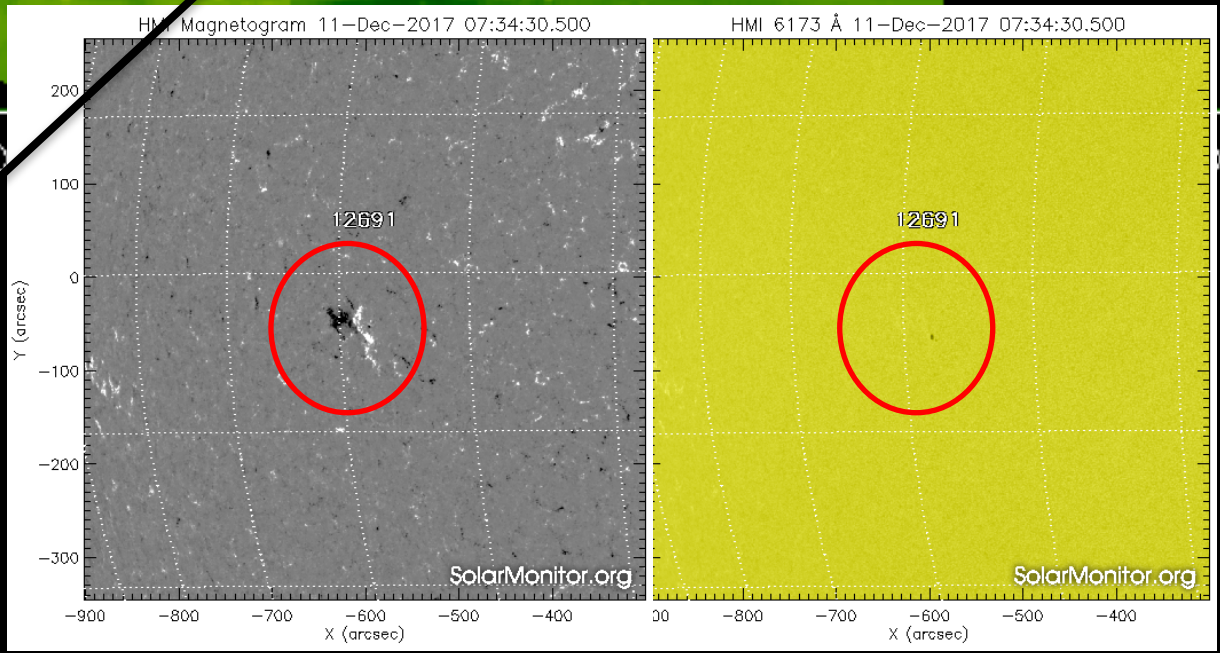
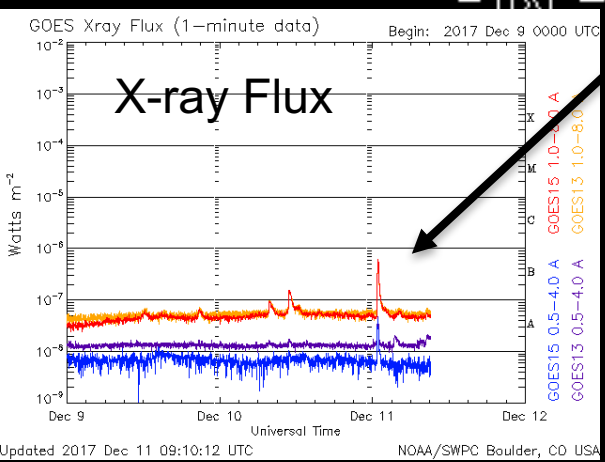
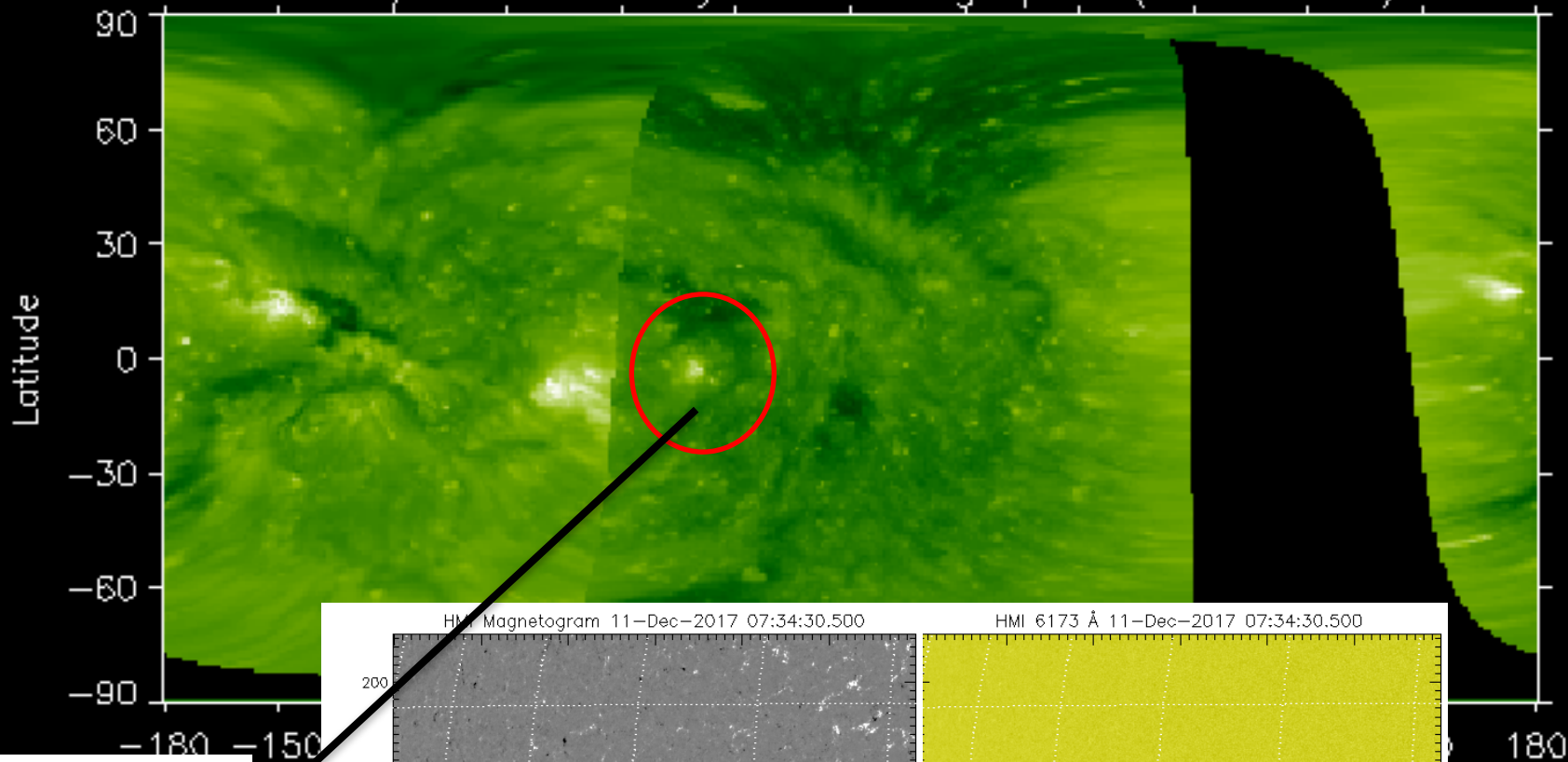


# Geomagnetism



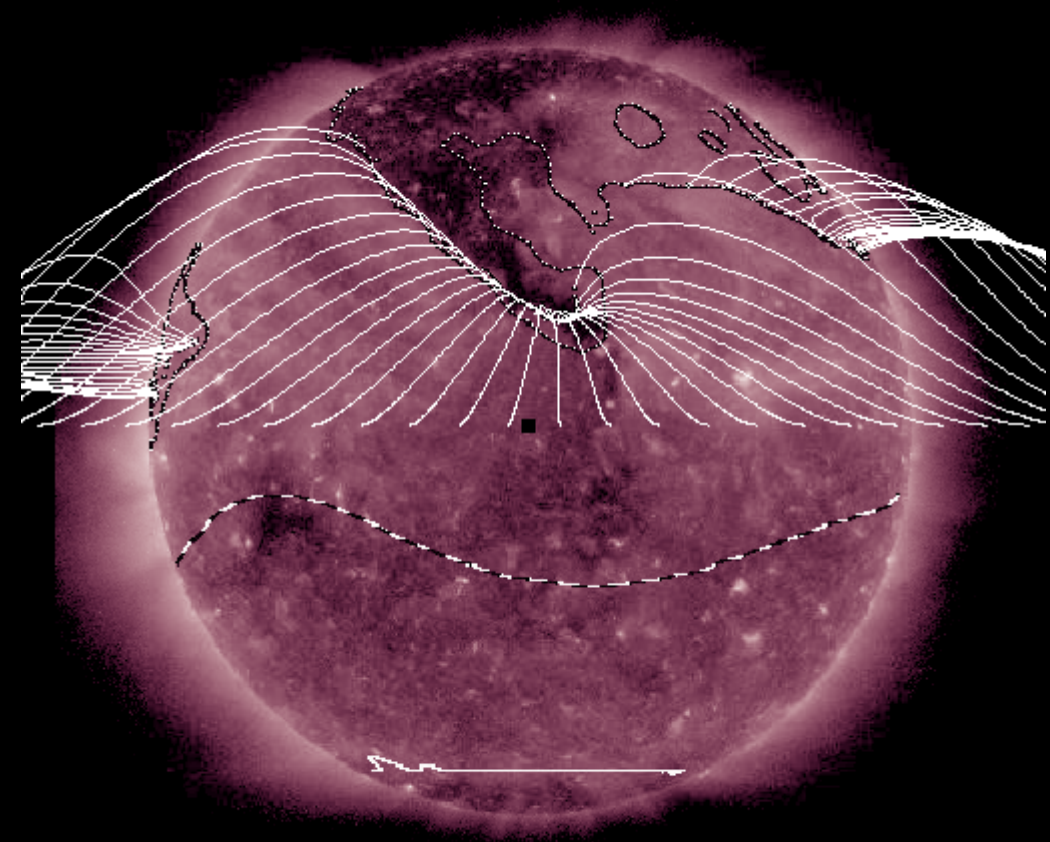
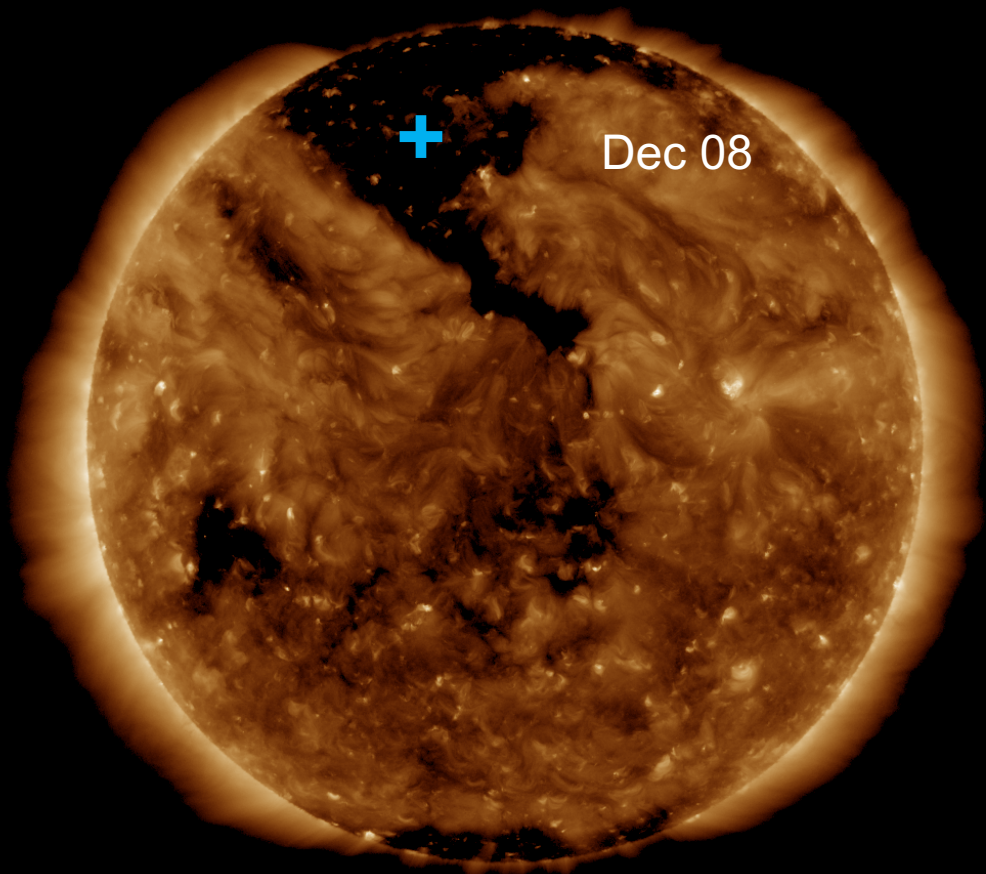
# Outlook

EUVI/AIA 195 Stonyhurst Heliographic (Earth-view)



# Outlook

SDO/AIA AIA 193Å 2017-12-08T06:06:05.84



Model: 2017/12/08 12:04:32  
AIA: 2017/12/08 07:27:35

# SIDC Space Weather briefing

See you at our next briefing!

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