

# SIDC Space Weather briefing

28 May – 3 June

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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

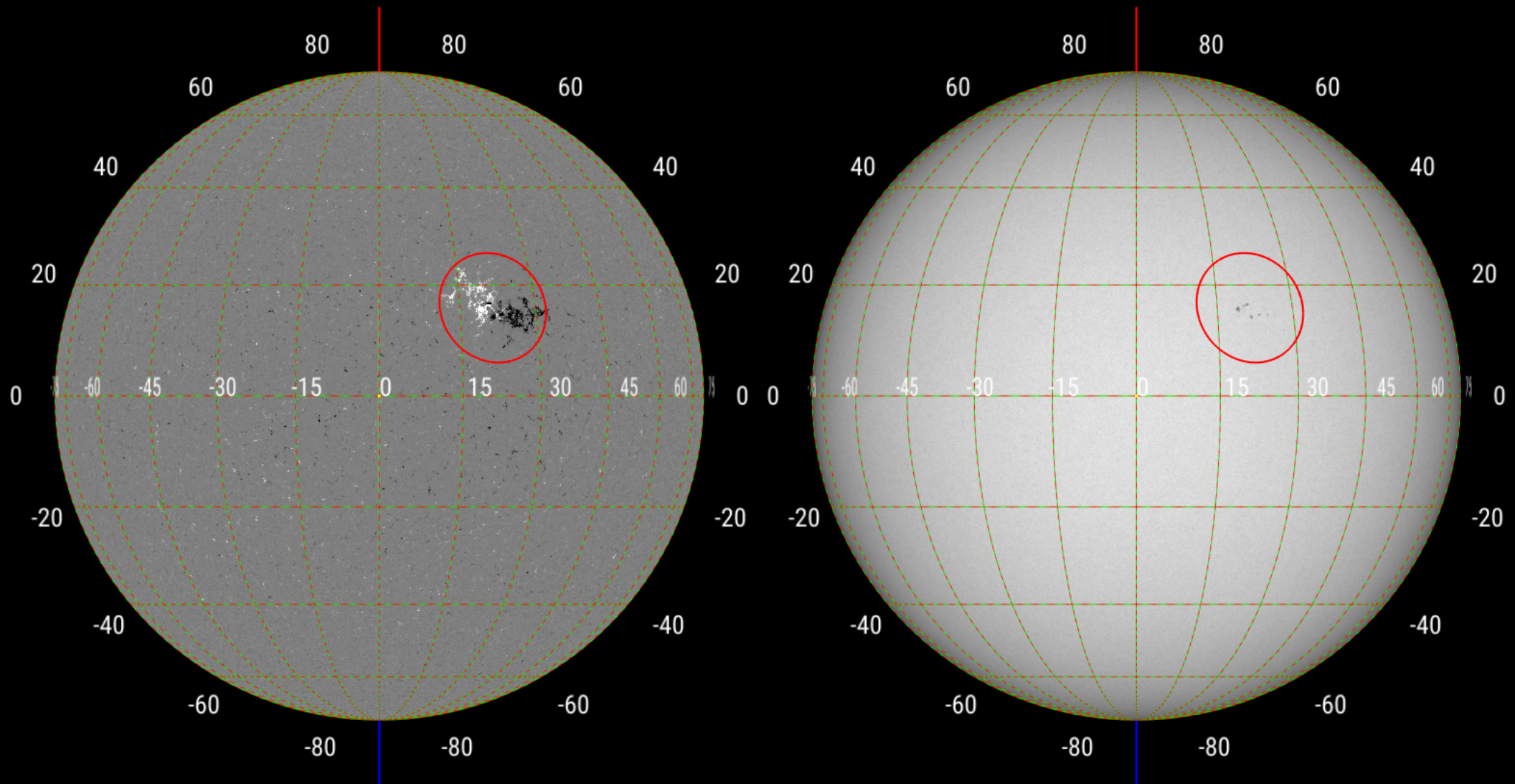
## Solar Activity:

Active Regions	AR 2712: beta, beta-gamma
Flaring	Several B flares, one C2.7 flare
Filaments	No filament eruptions
CMEs	No Earth-directed CMEs
Proton Event	Background level

## Solar wind and Geomagnetic conditions:

SW conditions	CIR and high speed stream (up to ~750 km/s)
ICME	None
Max K index	NOAA Kp=5 and K Dourbes=5
Coronal Hole	- polarity equatorial CH

# Solar active region evolution

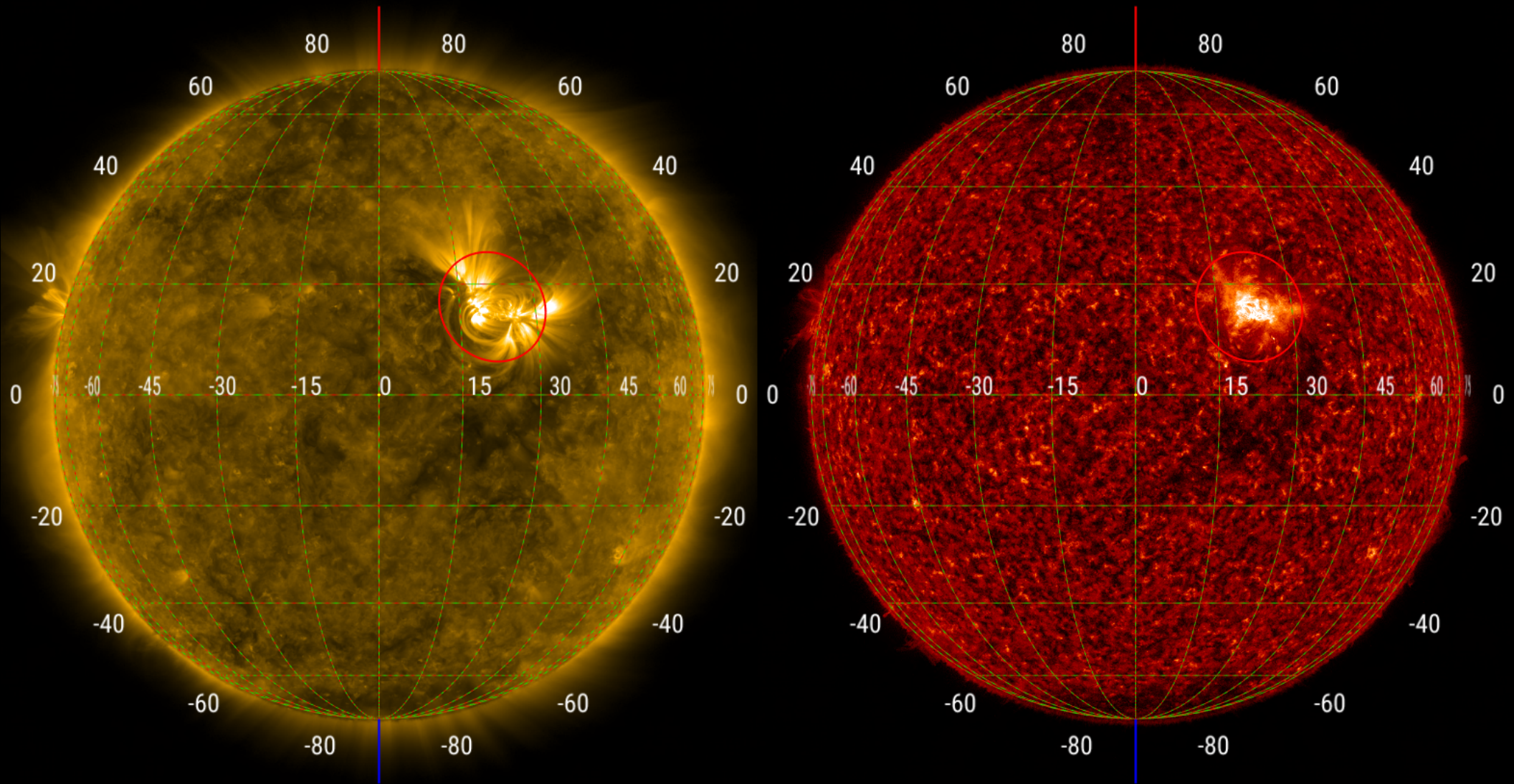


2018-05-31T22:29:52 HMI magnetogram

2018-05-31T22:29:52 HMI continuum

[movie](#)

# Solar active region evolution



2018-05-31T22:29:21 AIA 171

2018-05-31T22:29:53 AIA 304

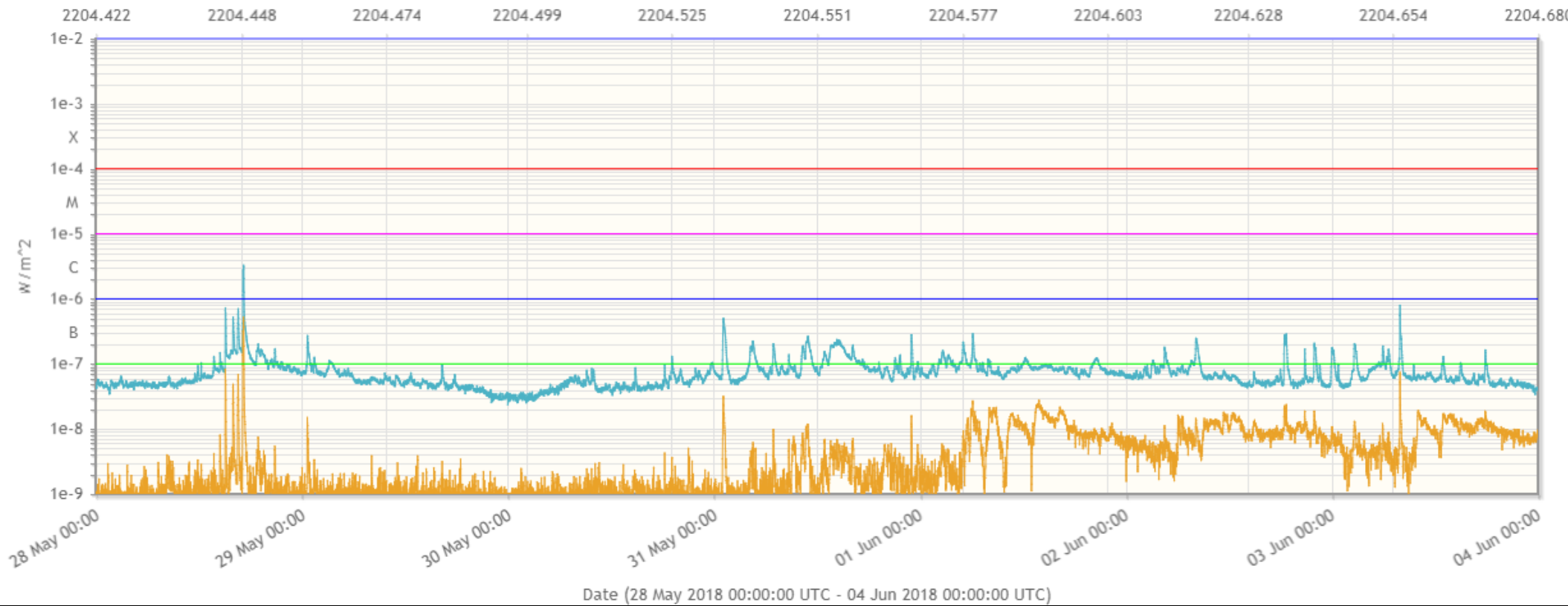
[movie](#)

# Solar X-ray flux and flaring

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X-Ray - GOES X-Ray flux 0.1-0.8 nm (quicklook)  
X-Ray - GOES X-Ray flux 0.05-0.4 nm (quicklook)

Carrington Rotations

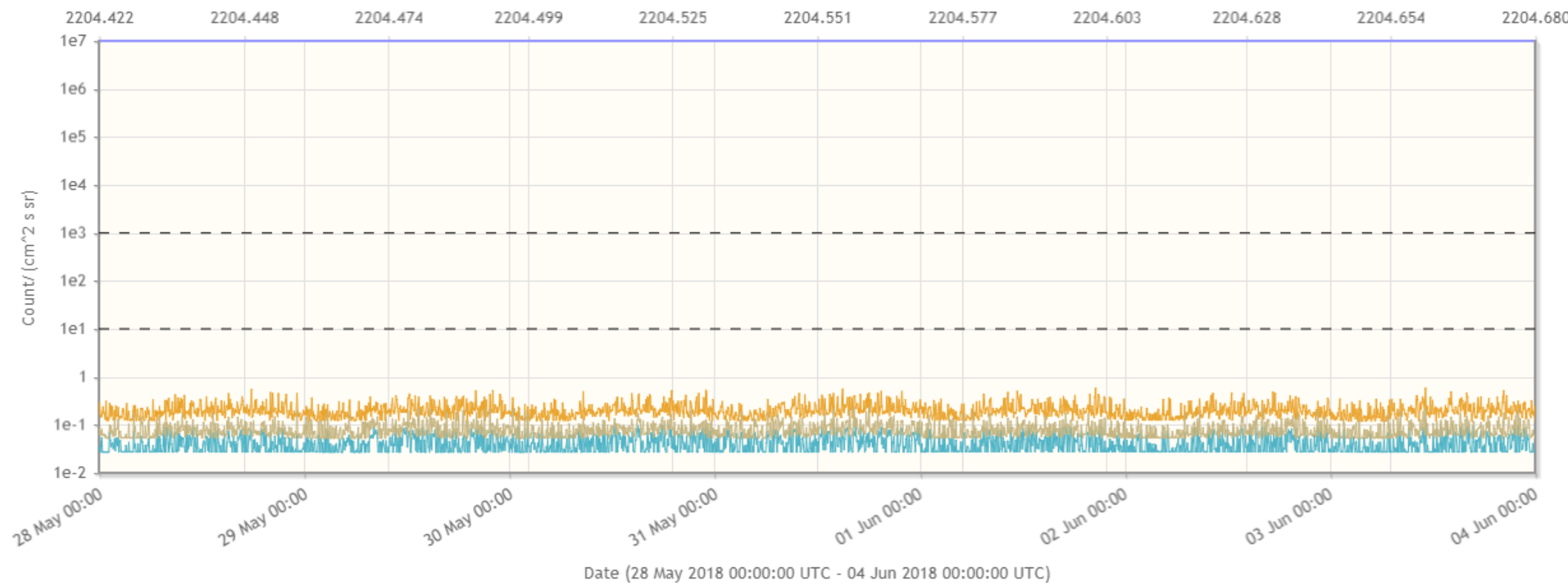


# Energetic particles

www.staff.oma.be

- Protons/Electrons - GOES Particles at > 100 Mev (quicklook)
- Protons/Electrons - GOES Particles at > 10 Mev (quicklook)
- Protons/Electrons - GOES Particles at > 50 Mev (quicklook)

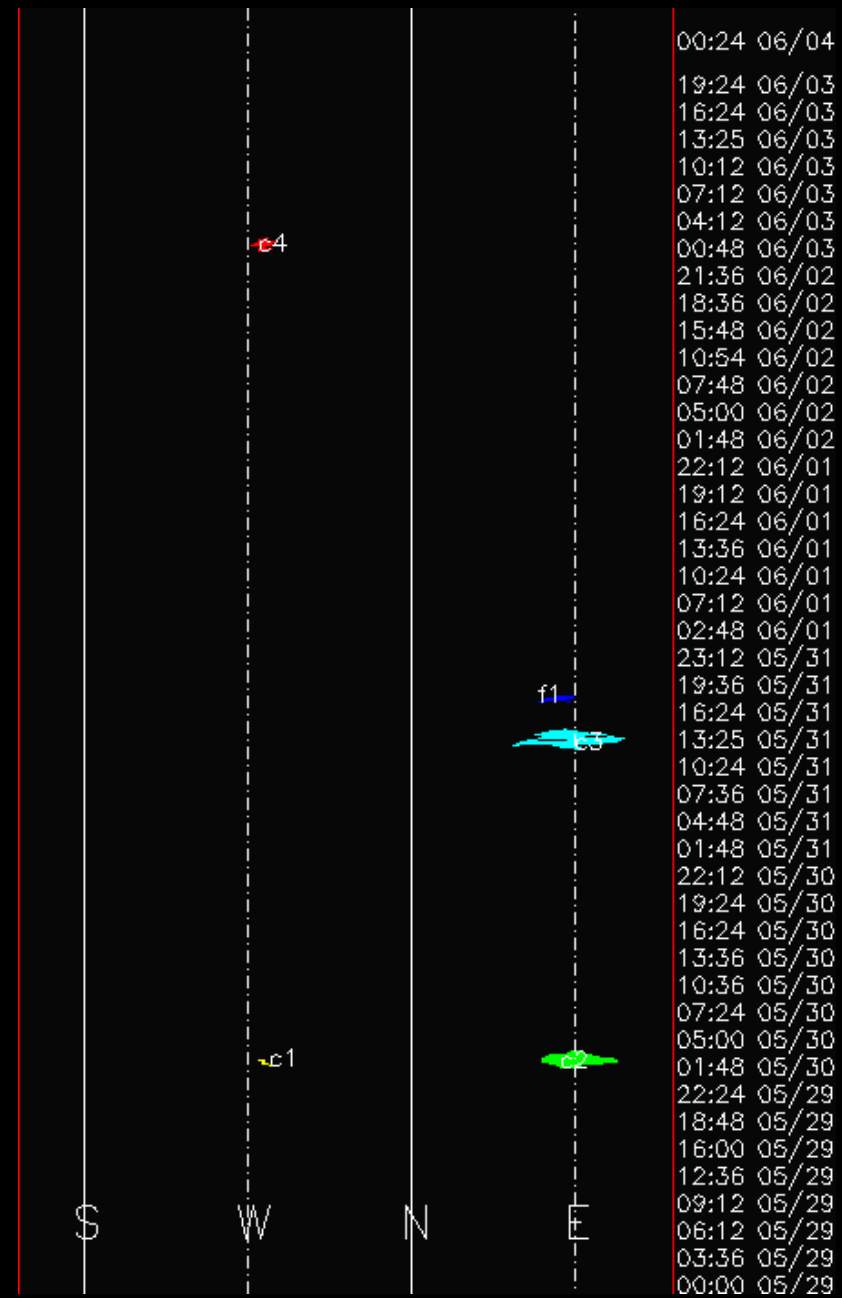
Carrington Rotations



# CMEs

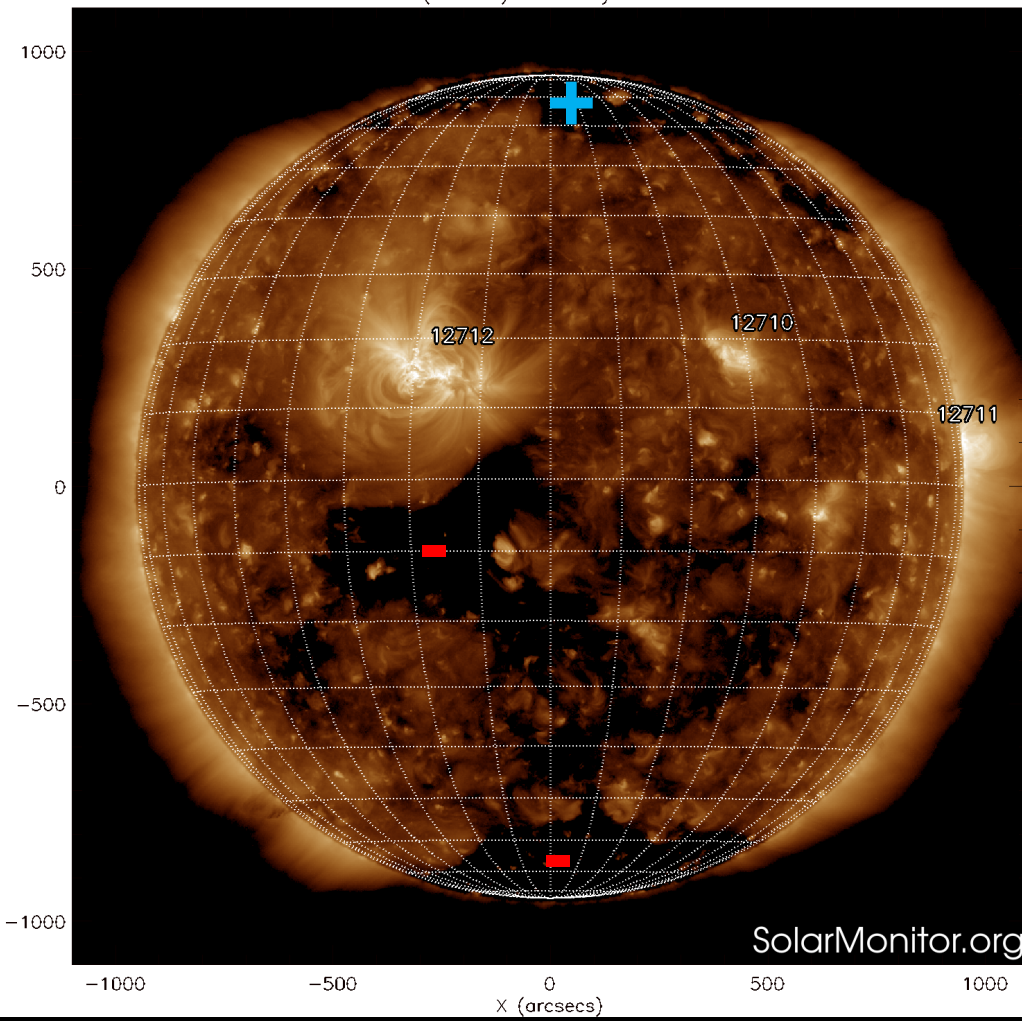
CACTus, <http://www.sidc.oma.be/cactus/>

- No Earth-directed CMEs

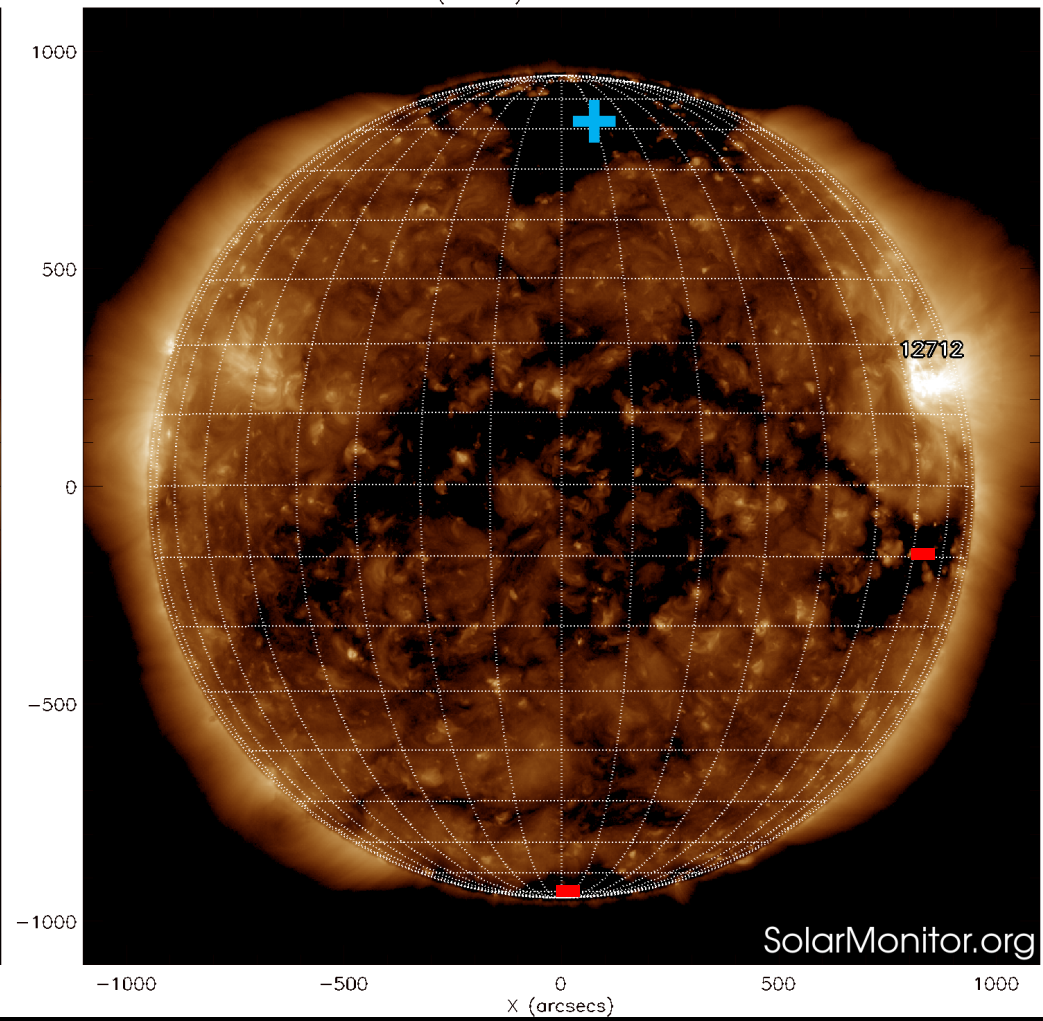


# Coronal holes

SDO AIA Fe XII (193 Å) 28-May-2018 23:24:52.850

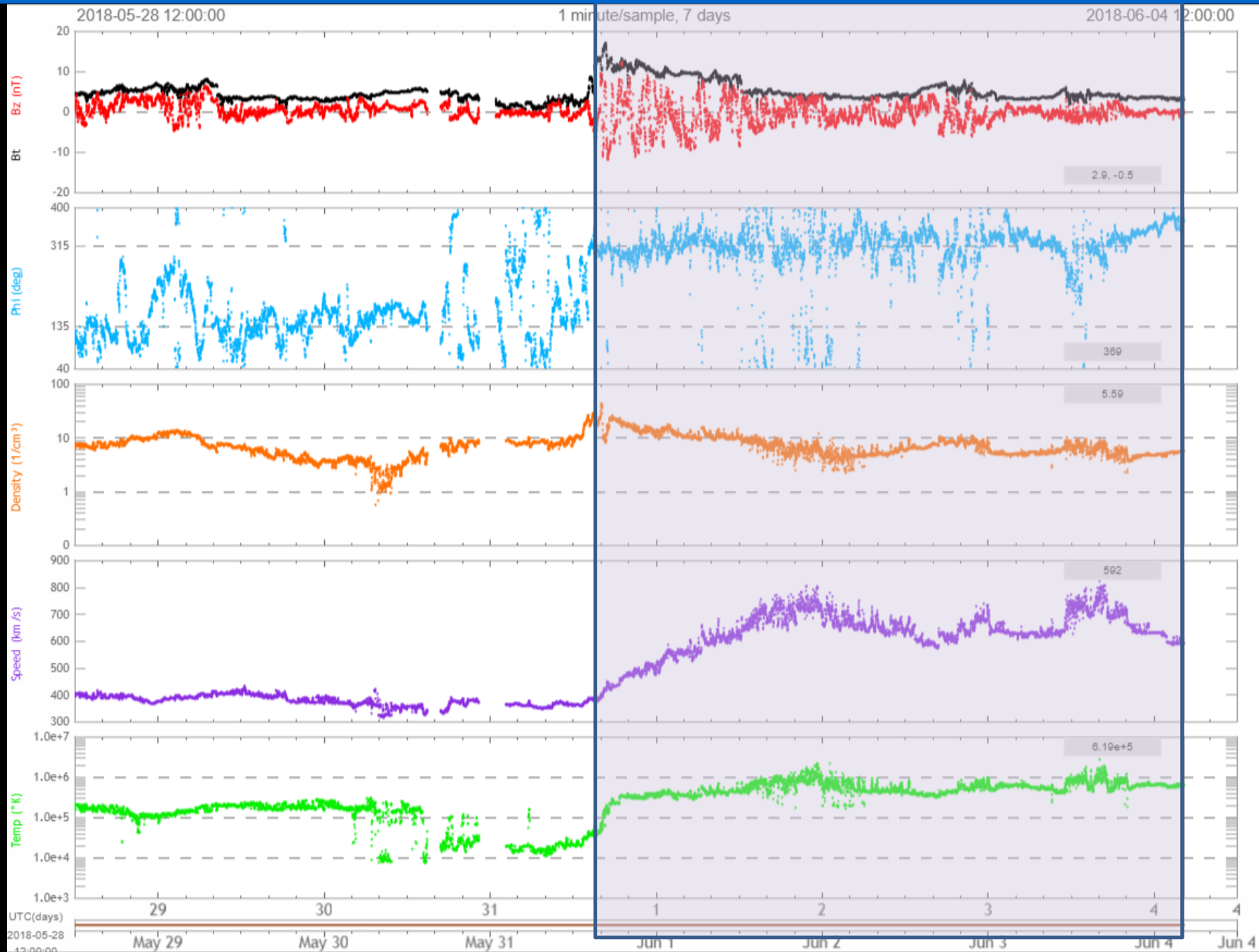


SDO AIA Fe XII (193 Å) 4-Jun-2018 03:00:40.840





# Solar wind

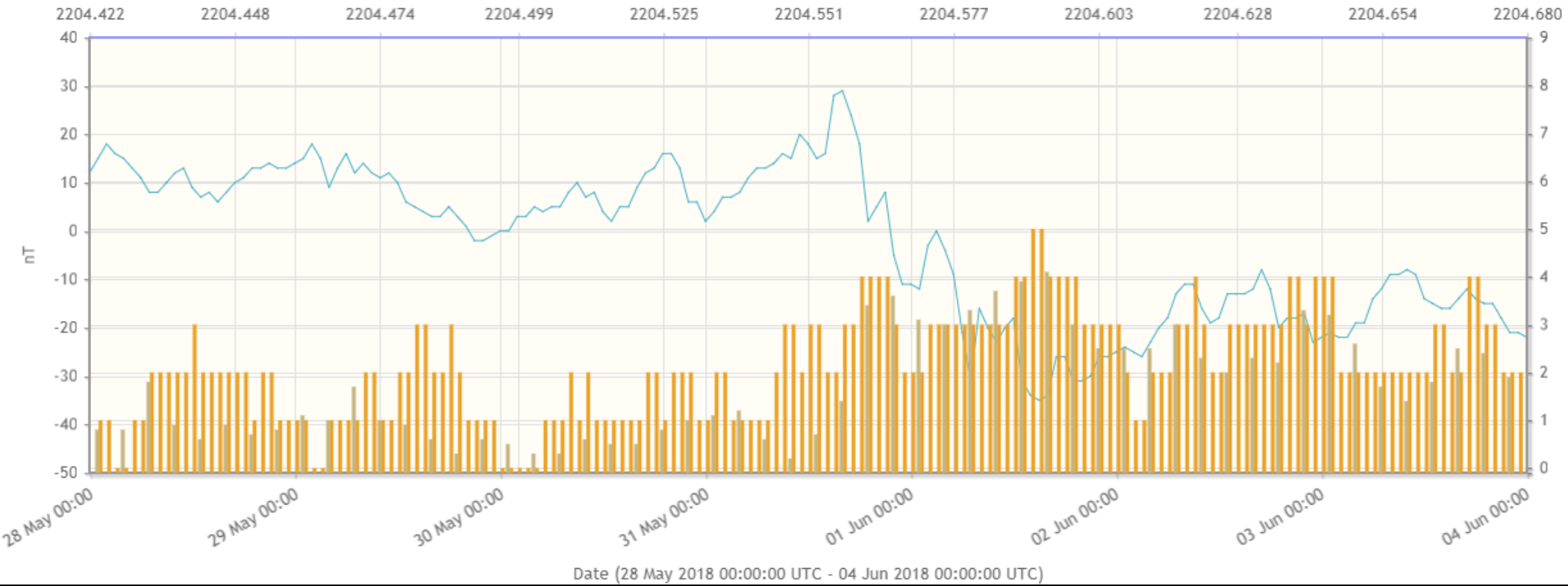


# Geomagnetism

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- Geomagnetic - Dst (quicklook)
- Geomagnetic - K (Dourbes) (quicklook)
- Geomagnetic - Kp (Potsdam) (prediction1)

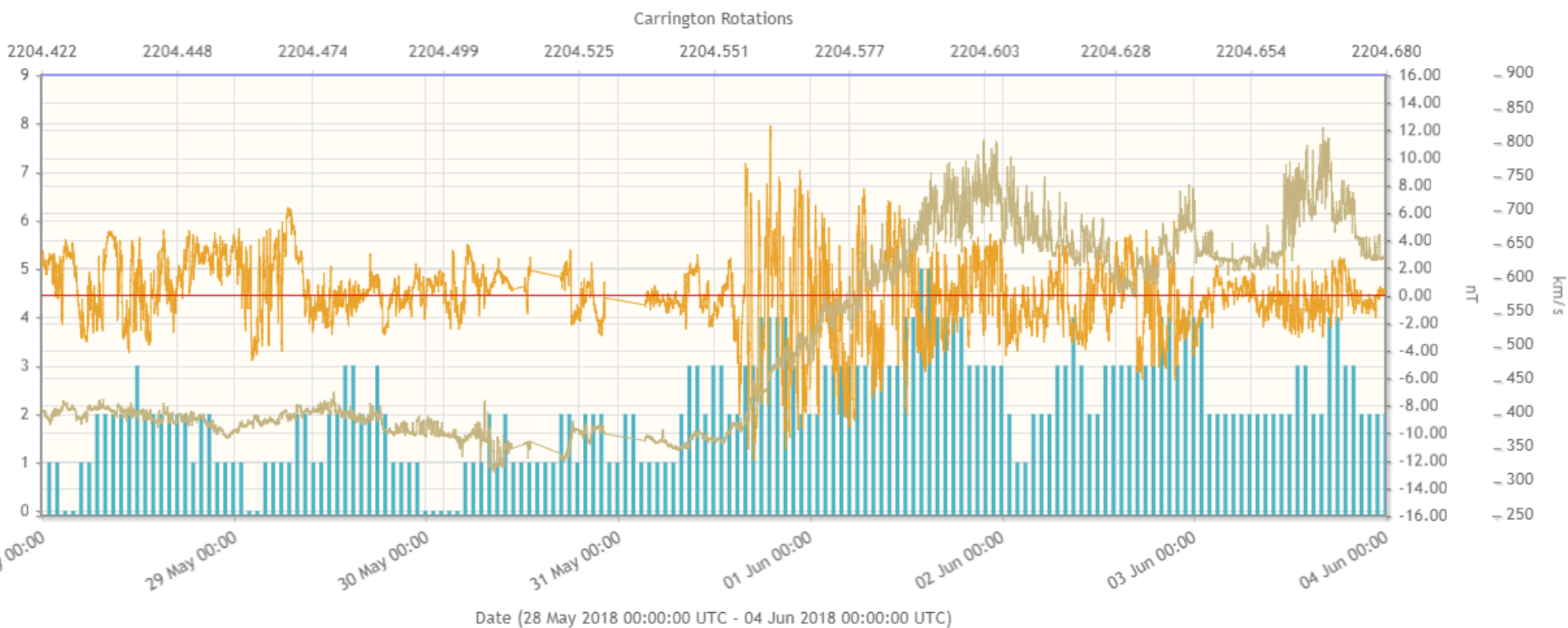
Carrington Rotations



# Solar wind and geomagnetism

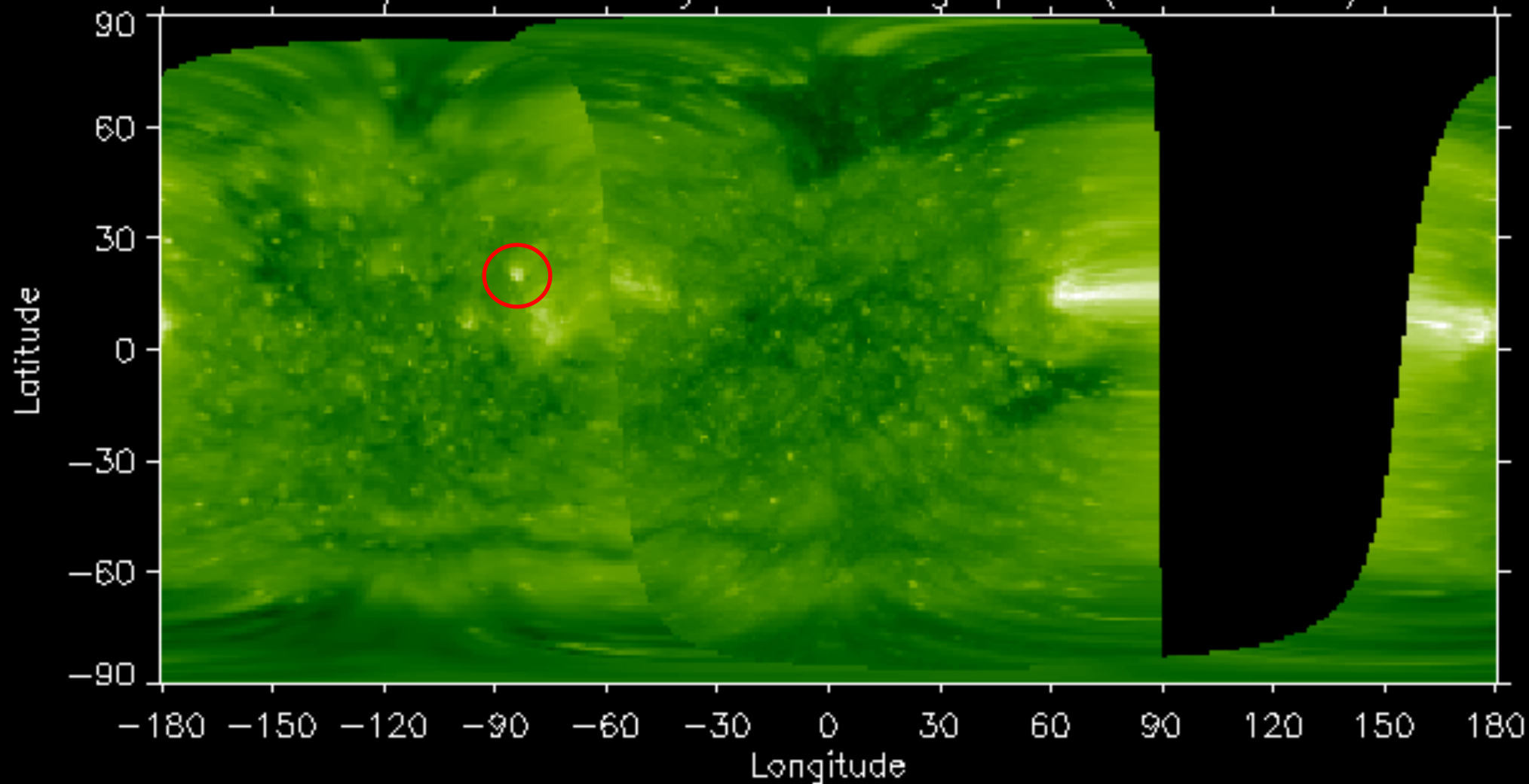
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- Geomagnetic - K (Dourbes) (quicklook)
- IMF - DSCOVR IMF Bz (quicklook)
- Solar Wind - DSCOVR Solar Wind Speed (quicklook)



# Outlook

EUVI/AIA 195 Stonyhurst Heliographic (Earth-view)



Observation date: 2018/06/04 03:35:30

# SIDC Space Weather briefing

See you at our next briefing!

Or visit us at [www.sidc.be](http://www.sidc.be)

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