SIDC Space Weather briefing

January 08 - 15, 2018

Jasmina Magdalenic & SIDC forecaster team

Solar Influences
Data analysis Centre
www.sidc.be



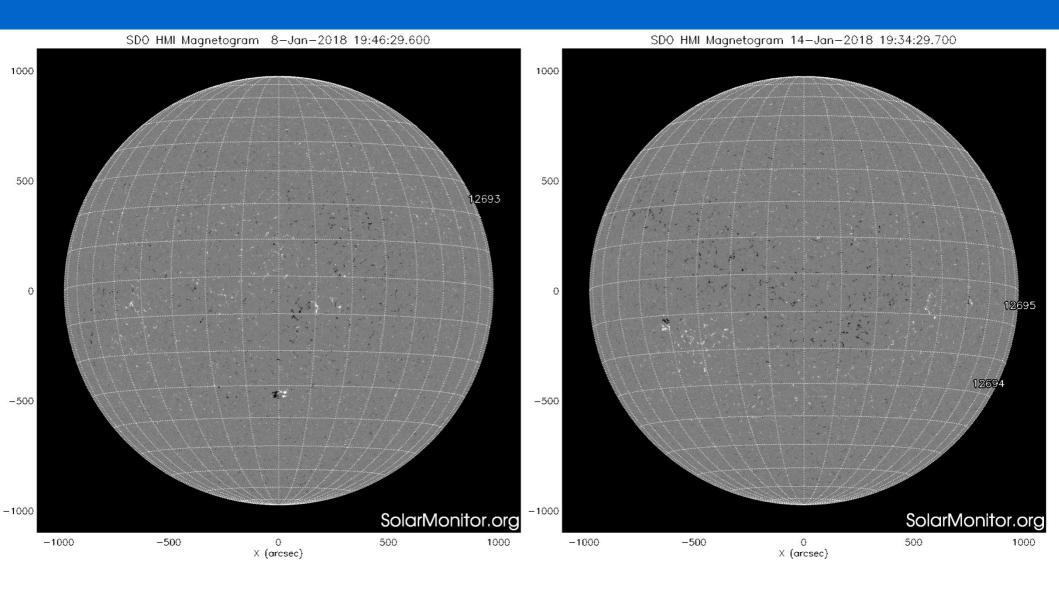
Royal Observatory of Belgium

Summary Report

Active Regions	NOAA ARs 2693, 2694, 2695
Flaring	No
Wide CMEs	No
Large Filaments eruptions	No
Proton Events	No

SW conditions	Max solar wind speed: 610 km/s
Coronal Holes	Equatorial coronal hole reached central meridian in the morning of January 09.
Shocks	Shock associated with the fast solar wind from the coronal hole which reached central meridian on January 04.
ICME	No
Kp index	Kp=5 and K-Dourbes=4

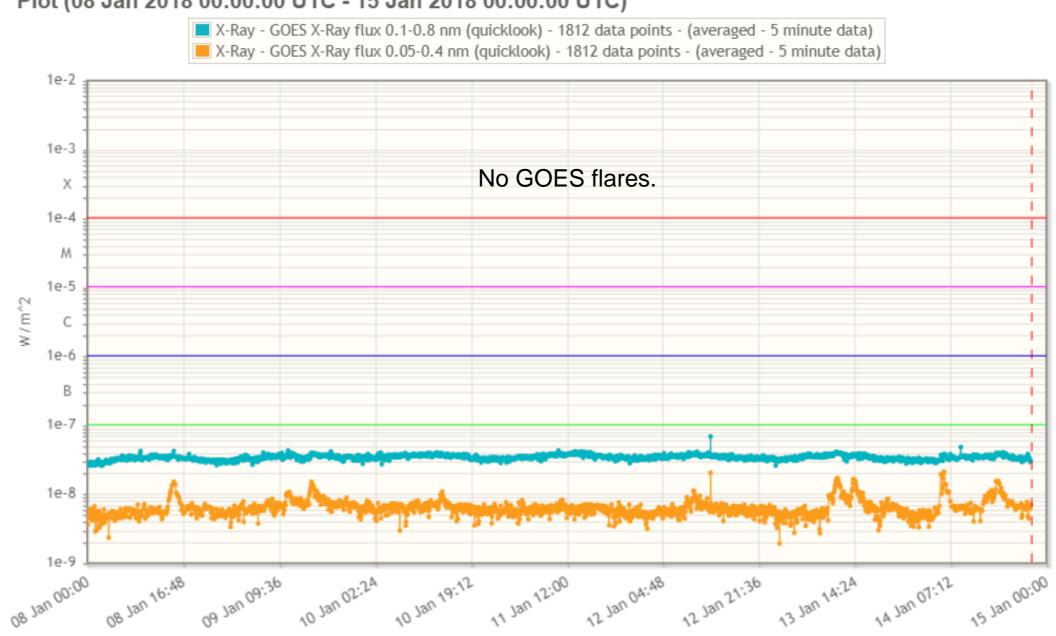
Solar active region evolution



Only three simple sunspot groups were observed on the visible side of the solar disc this week.

Solar X-ray flux and flaring

Plot (08 Jan 2018 00:00:00 UTC - 15 Jan 2018 00:00:00 UTC)



Date (08 Jan 2018 00:00:00 UTC - 15 Jan 2018 00:00:00 UTC)

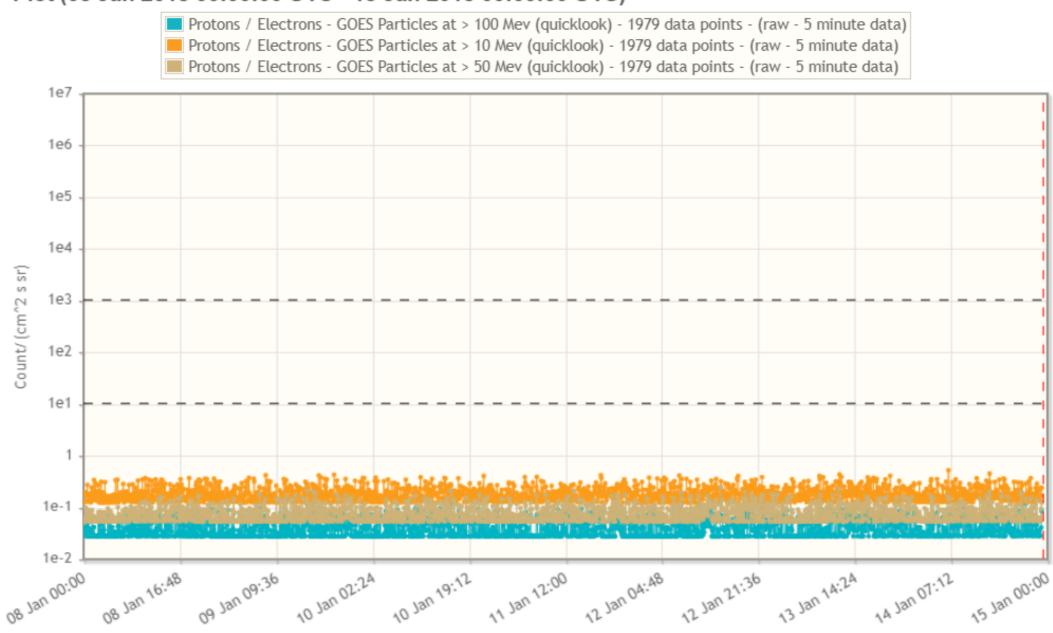
18:12 01/14 10:12 01/14 07:36 01/14 05:00 01/14 01:48 01/14 22:36 01/13 19:36 01/13 16:42 01/1<u>3</u> 13:48 01/13 10:24 01/13 07:48 01/13 05:12 01/13 17:48 01/12 14:48 01/12 08:42 01/12 05:00 01/12 15:12 01/11 03:48 01/10 00:36 01/10 15:36 01/09 03:24 01/09 20:36 01/08 18:00 01/08 14:48 01/08 12:00 01/08

CMEs detected by Cactus

No CMEs reported.

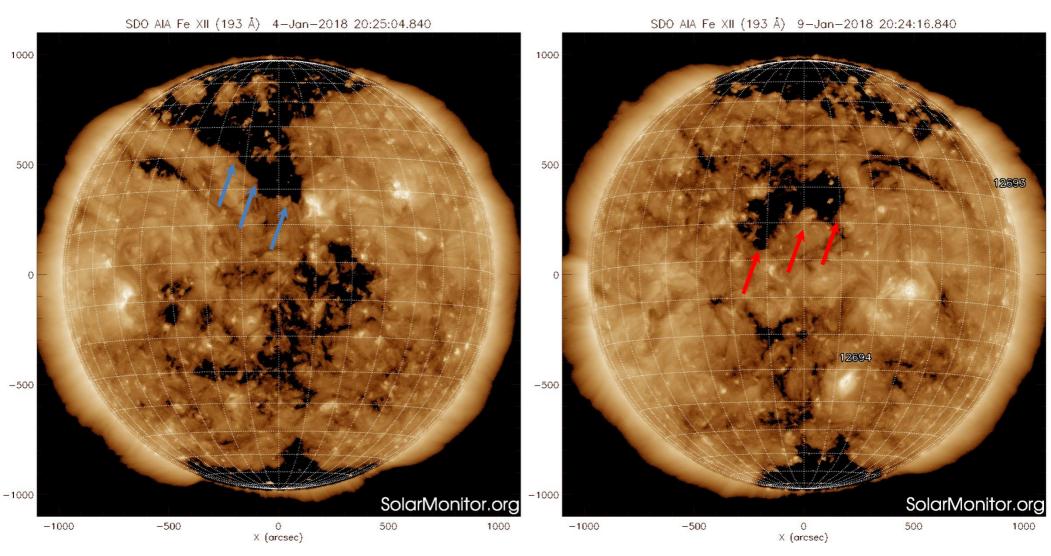
Energetic particles

Plot (08 Jan 2018 00:00:00 UTC - 15 Jan 2018 00:00:00 UTC)



Date (08 Jan 2018 00:00:00 UTC - 15 Jan 2018 00:00:00 UTC)

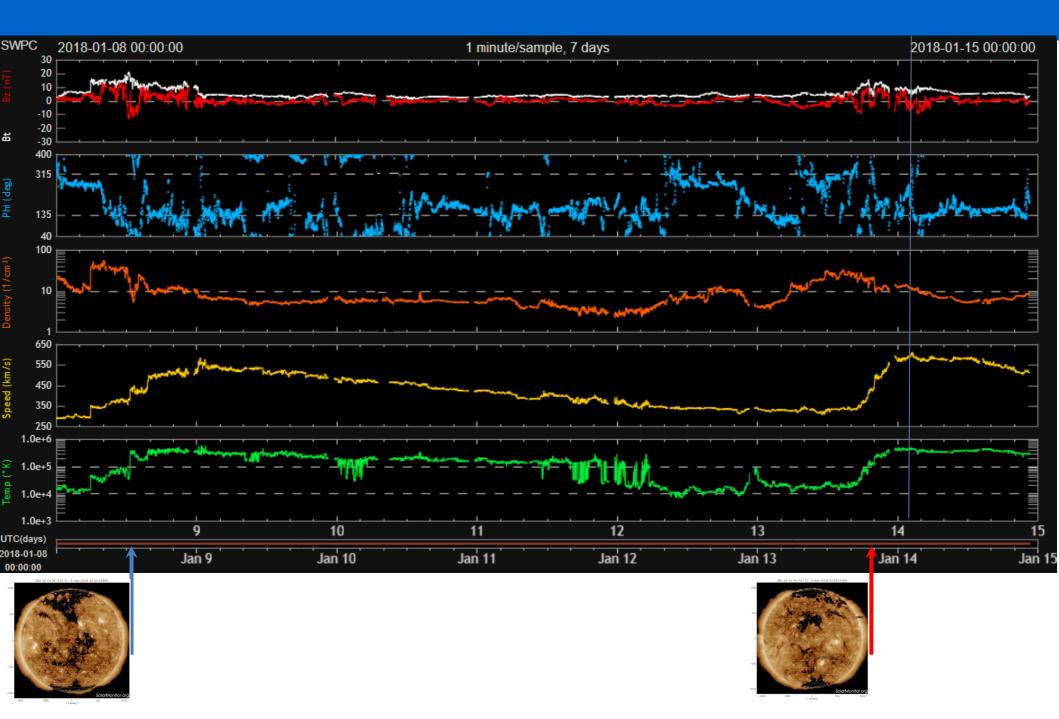
Coronal holes



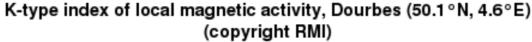
Low latitude extension of a northern polar coronal hole reached central meridian late on January 04, 2018 (previous week).

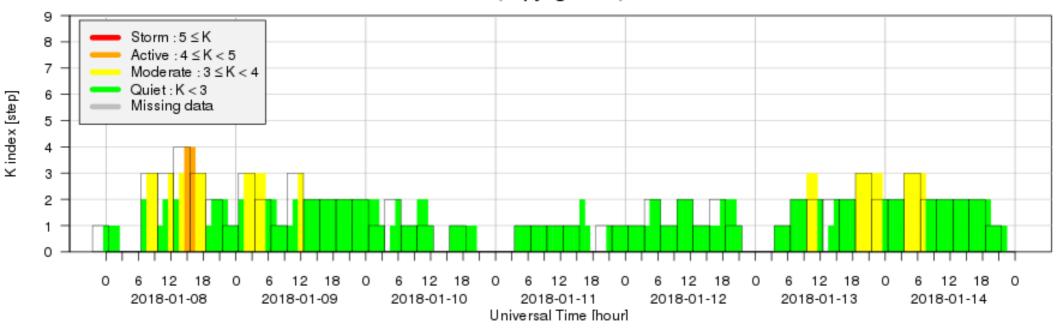
Equatorial coronal hole reached central meridian in the early morning of January 09, 2018.

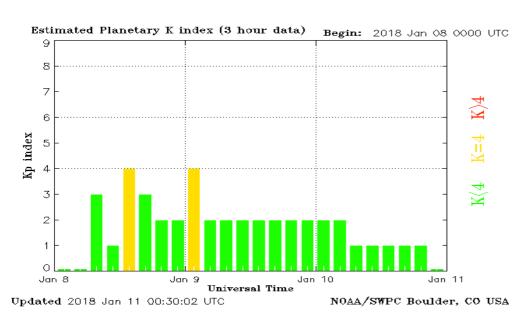
Solar wind

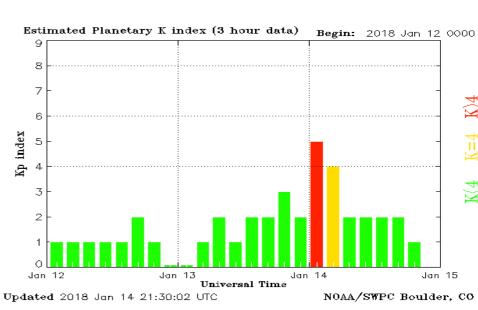


Geomagnetism









Outlook

