SIDC Space Weather briefing

17 – 23 September, 2018

Jasmina Magdalenic &
SIDC forecaster team



Solar Influences
Data analysis Centre
www.sidc.be

Summary Report

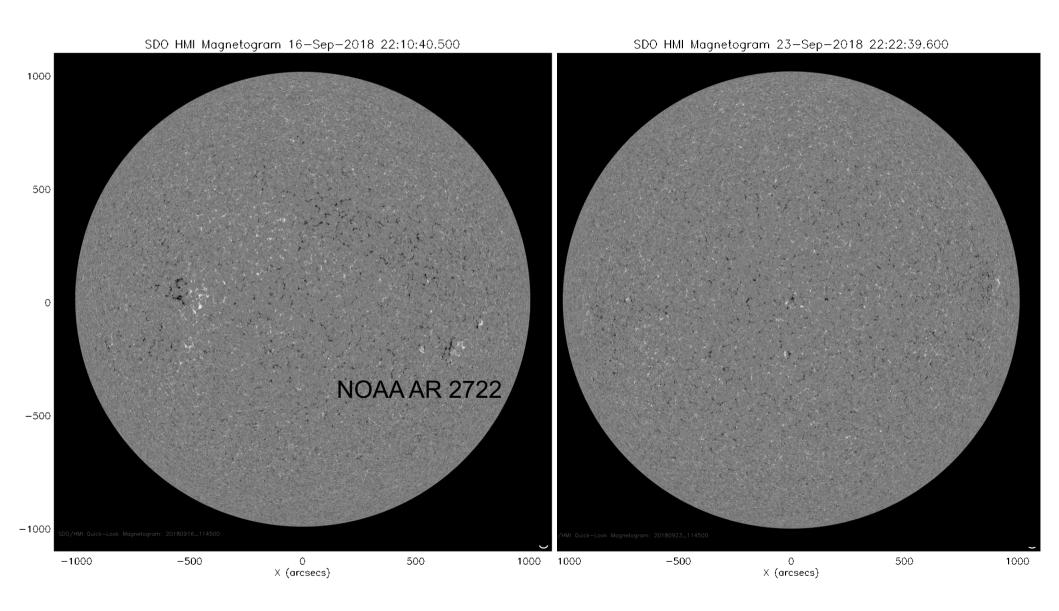
Solar activity: 2018-09-16 12:00 UT to 2018-09-23 12:00 UT

Active regions	Catania sunspot group 95 (NOAA AR 2722) & Catania sunspot group 96.				
Flaring	No C-class and even B-class flares.				
Filaments	No outstanding filaments.				
CMEs	No wide CMEs.				
Proton Events	No proton events.				

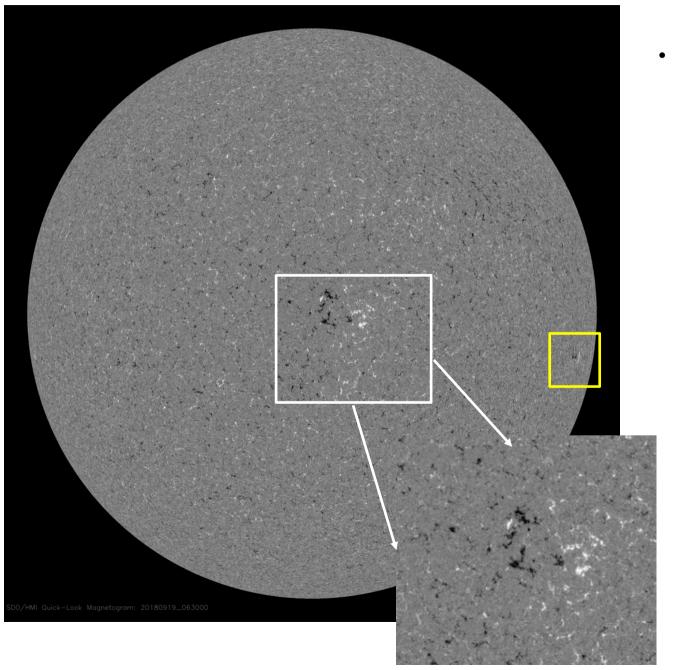
Solar wind and geomagnetic conditions: 2018-09-16 12:00 UT to 2018-09-23 12:00 UT

Coronal Holes	Low latitude extension of the northern polar coronal hole. Patchy equatorial coronal hole.		
ICME	No.		
SW Conditions	Two clearly observed fast flows.		
K-indices	Max K-index (Dourbes): 5.0 max Kp-index (NOAA): 5.0.		

Solar active region evolution

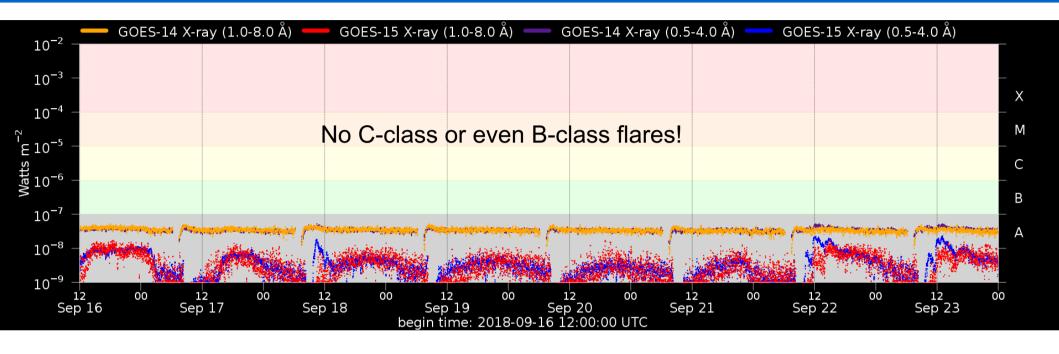


Solar active region evolution



 Only two sunspot groups were observed on the visible side of the solar disc this week; Catania sunspot group 95 (NOAA AR 2722) & Catania sunspot group 96 (September 19).

Solar X-ray flux and flaring



 Probabilities (%) and occurrences (#) of B/C/M/X-flares issued at 12:30 and over the next 24h:

Issue date	2018-09-16	2018-09-17	2018-09-18	2018-09-19	2018-09-20	2018-09-21	2018-09-22	2018-09-23
Probability	05 01 01	03 01 01	02 01 01	03 01 01	02 01 01	01 01 01	01 01 01	01 01 01
Observed	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00	00 00 00 00

09:12 09/22 06:36 09/22 21:12 09/21 17:36 09/21 18:48 09/18 03:24 09/17

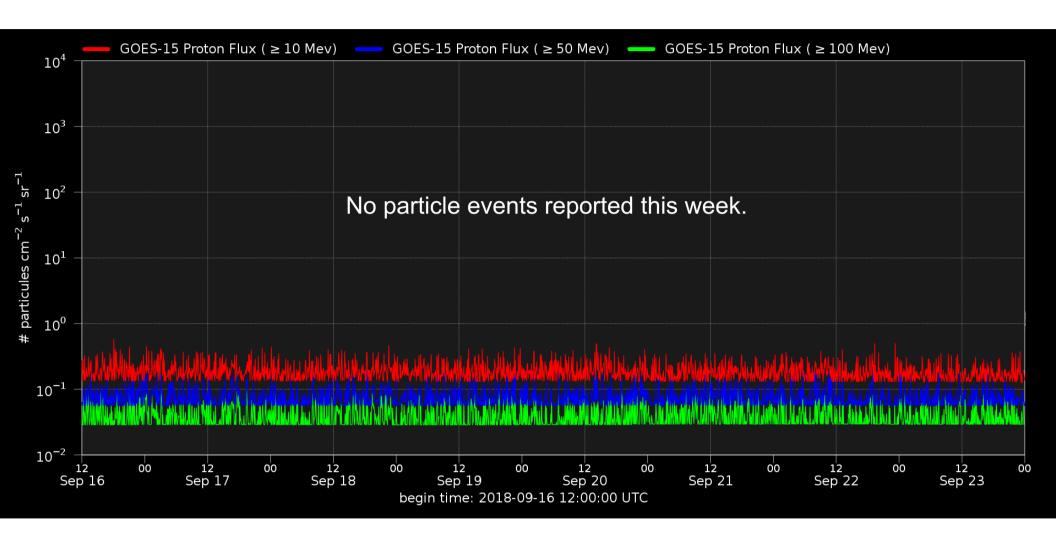
00:00 09717

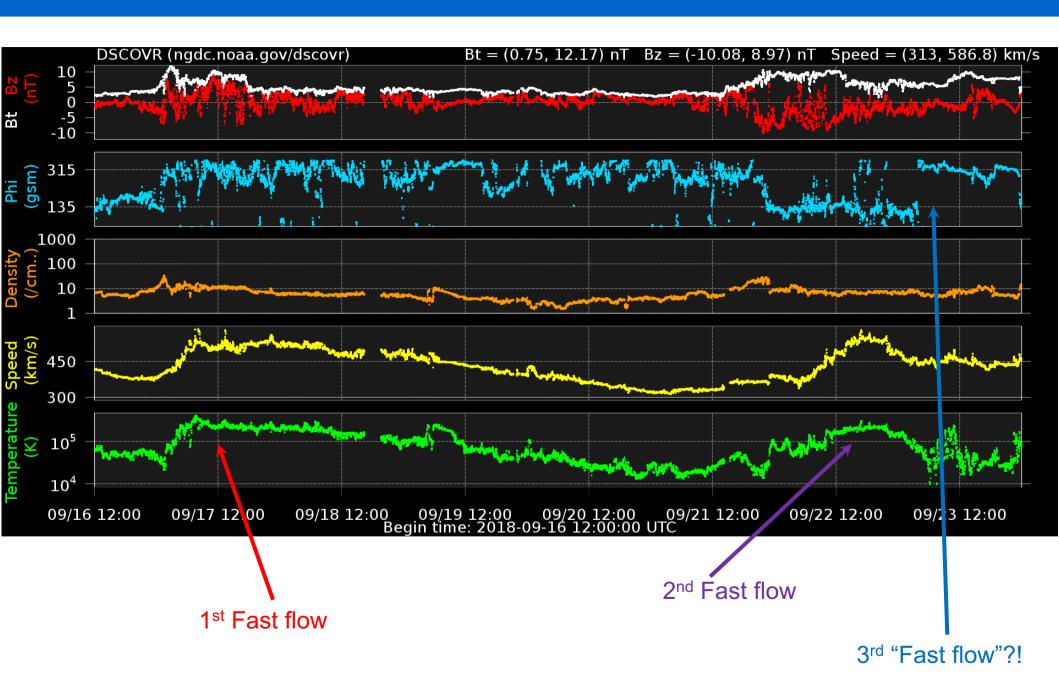
1ء

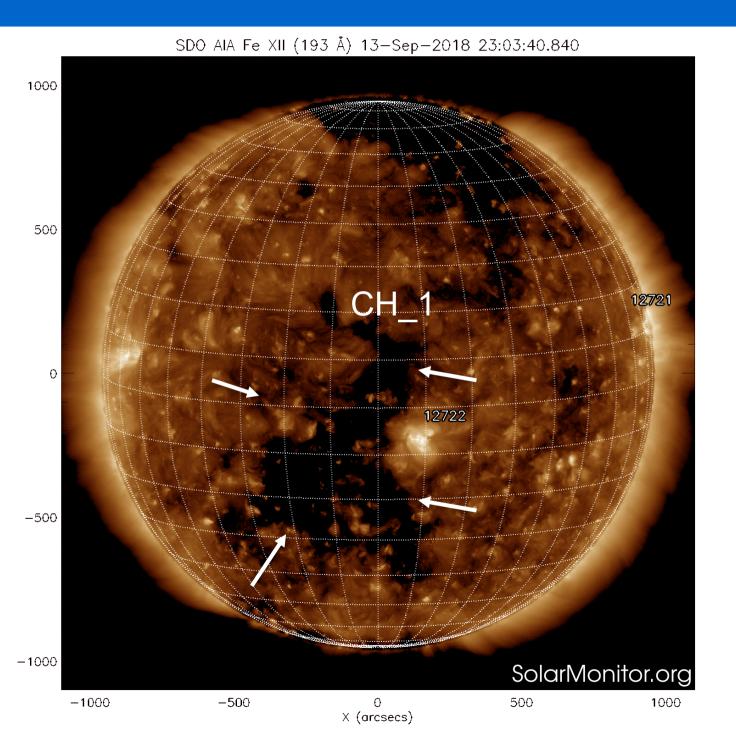
CMEs detected by Cactus

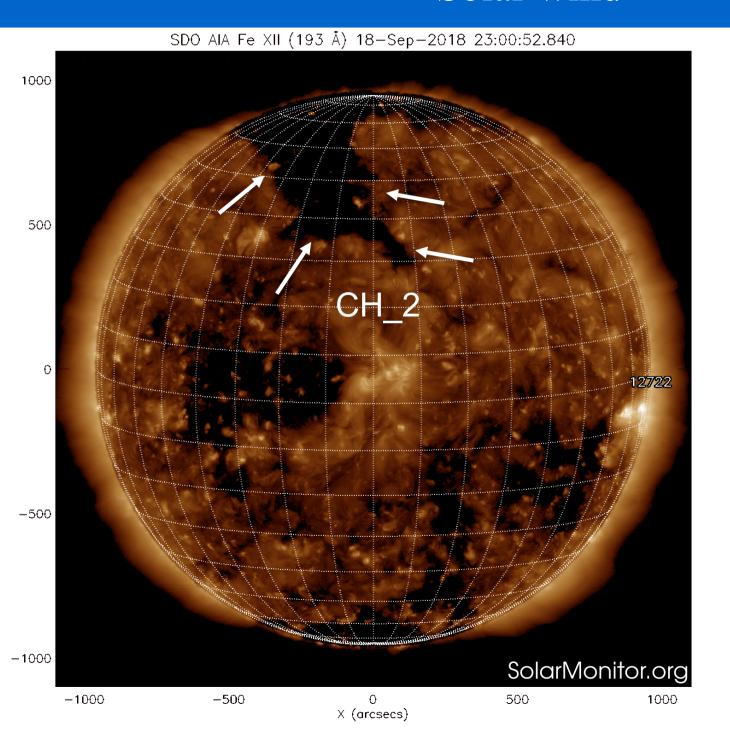
No wide CMEs reported this week.

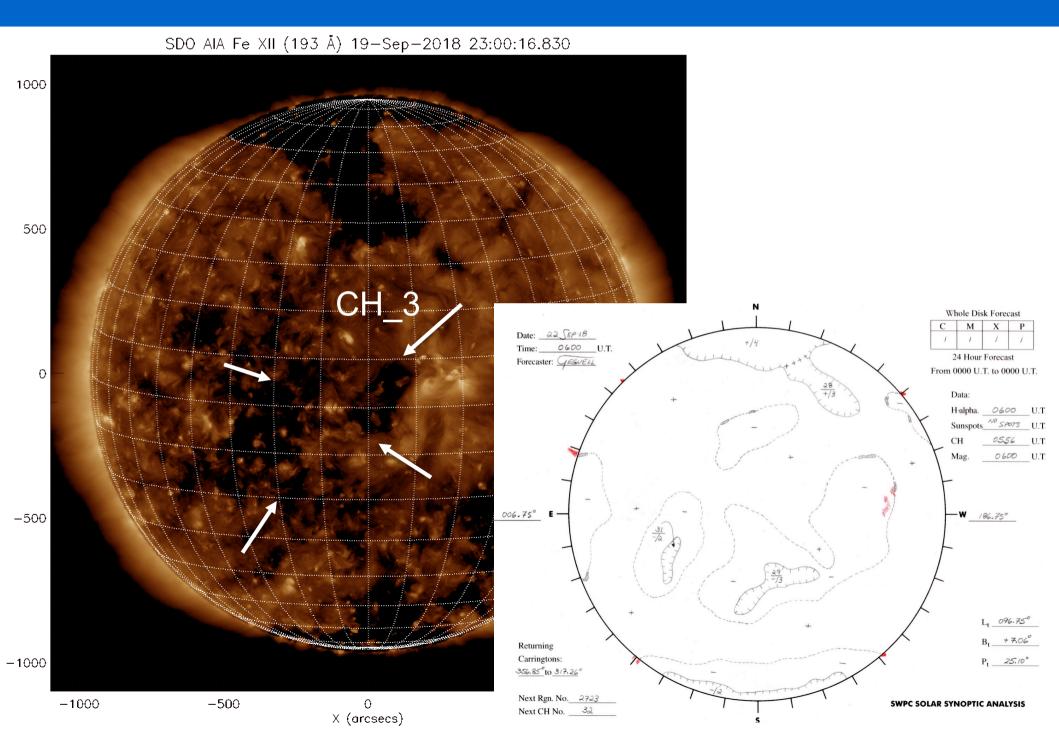
Energetic particles

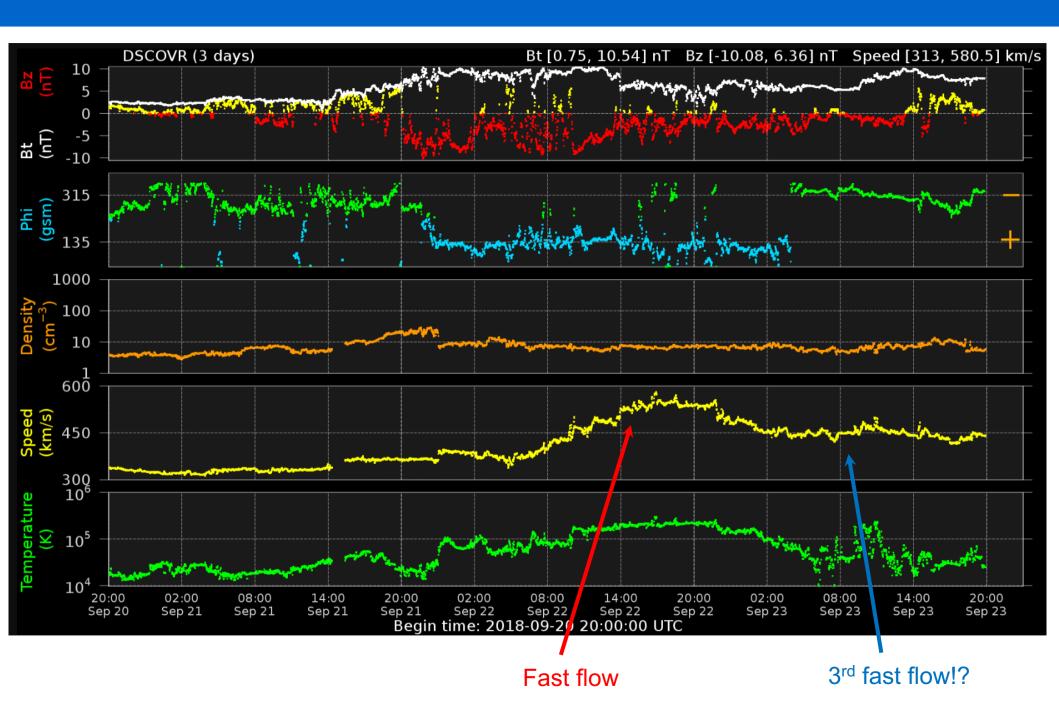












Geomagnetism

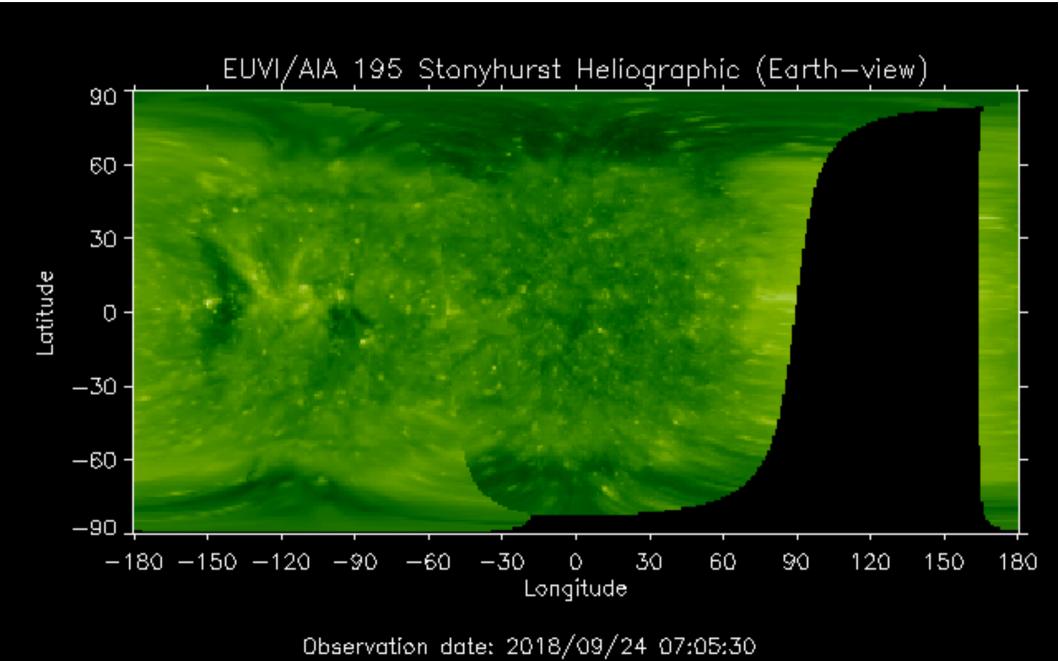


1st Fast flow 2nd Fast flow

Geomagnetism



Outlook



SIDC Space Weather briefing

See you at our next briefing!
Or visit us at www.sidc.be

