

電漿值週報告

資料範圍: 12/4 – 12/10 (week 49), 2023

110607008 游凱丞, DSSE III

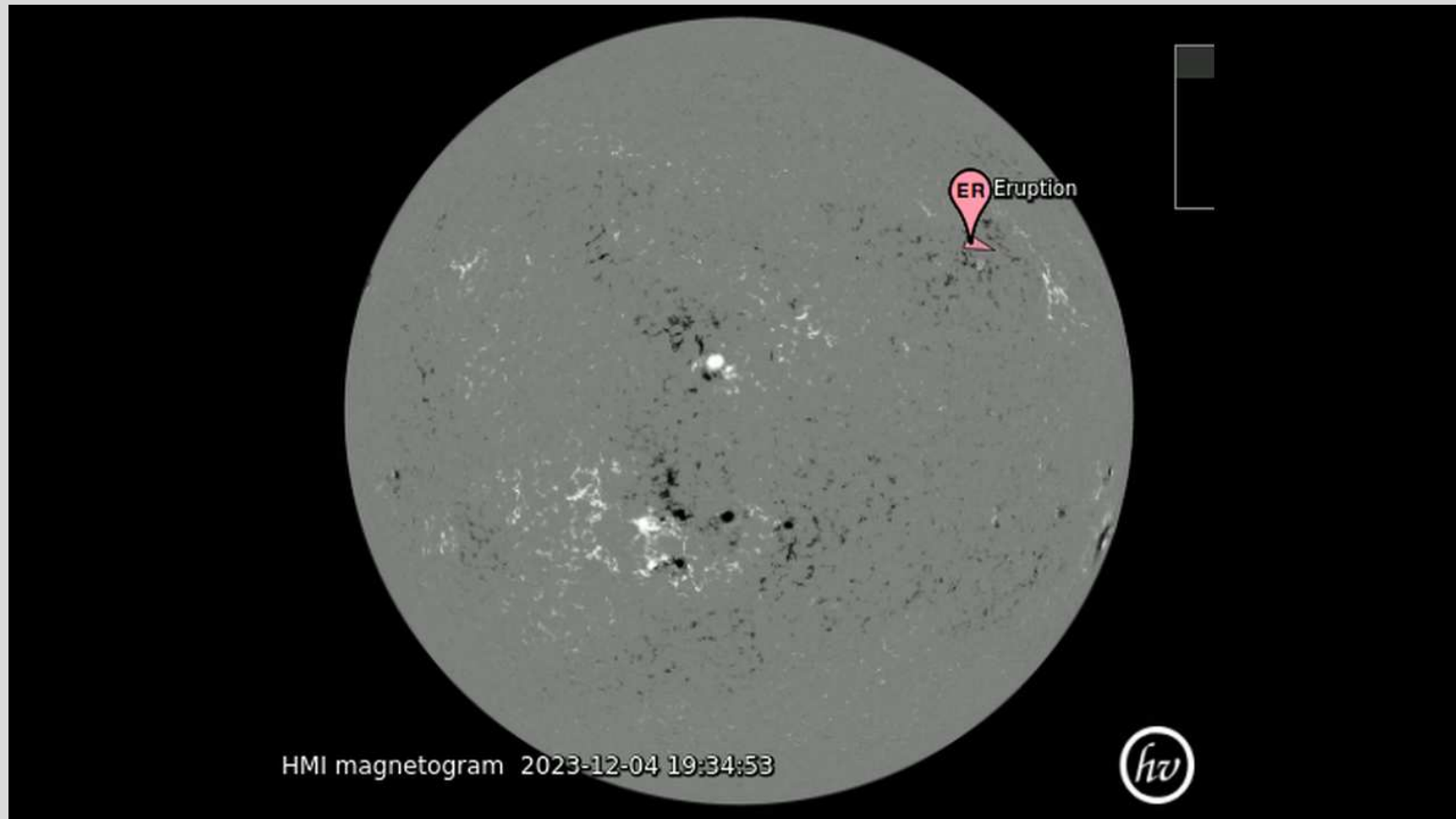
要報的東西

- 太陽活動

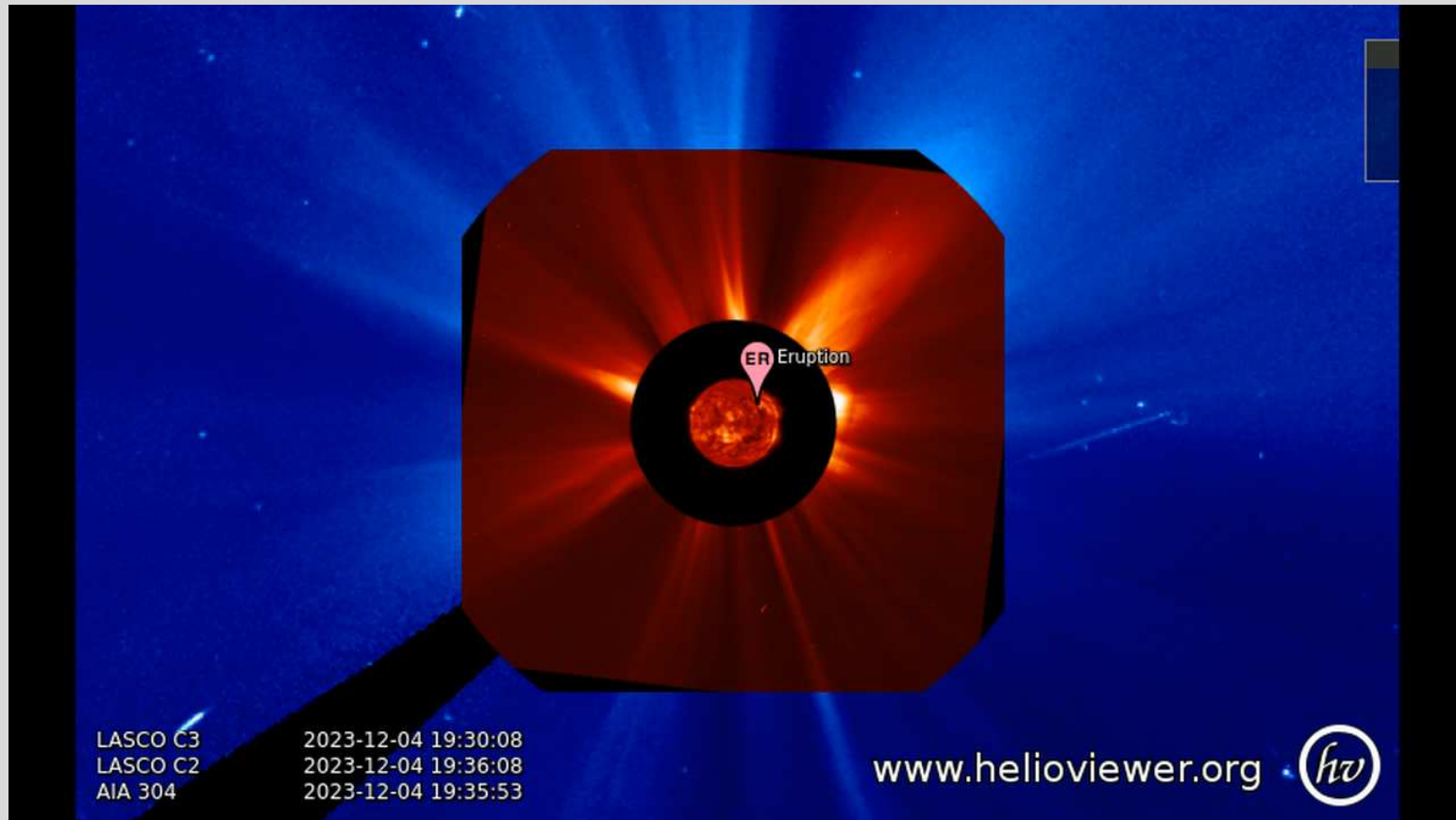
- 太陽磁場: HMI Magnetogram
- CME Eruption: SDO – 304 + LASCO C2/C3
- 日冕洞(Corona Hole): AIA 211 (gif), [SWAP 174, AIA 193, AIA 304, AIA 171]
- 黑子: HMI Continuum
- 光球層(日珥、閃焰): HMI 6173A°
- GOES Proton Flux
- GOES X-RAY Flux
- 太陽風: Real Time Solar Wind
- 總體磁場強度: Dst指數
- 高緯地磁擾動: Kp指數

- 太空新聞

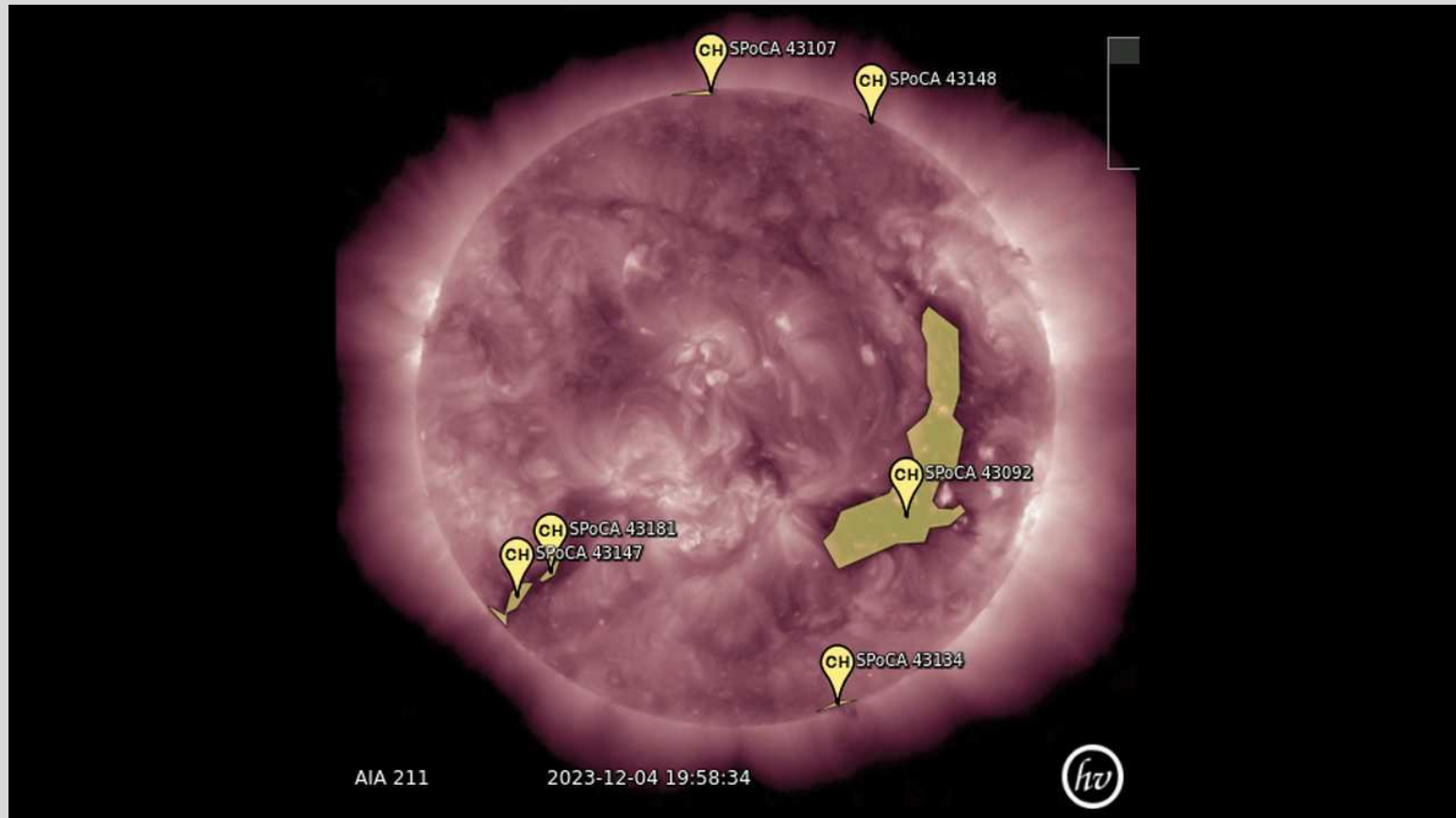
HMI Mag



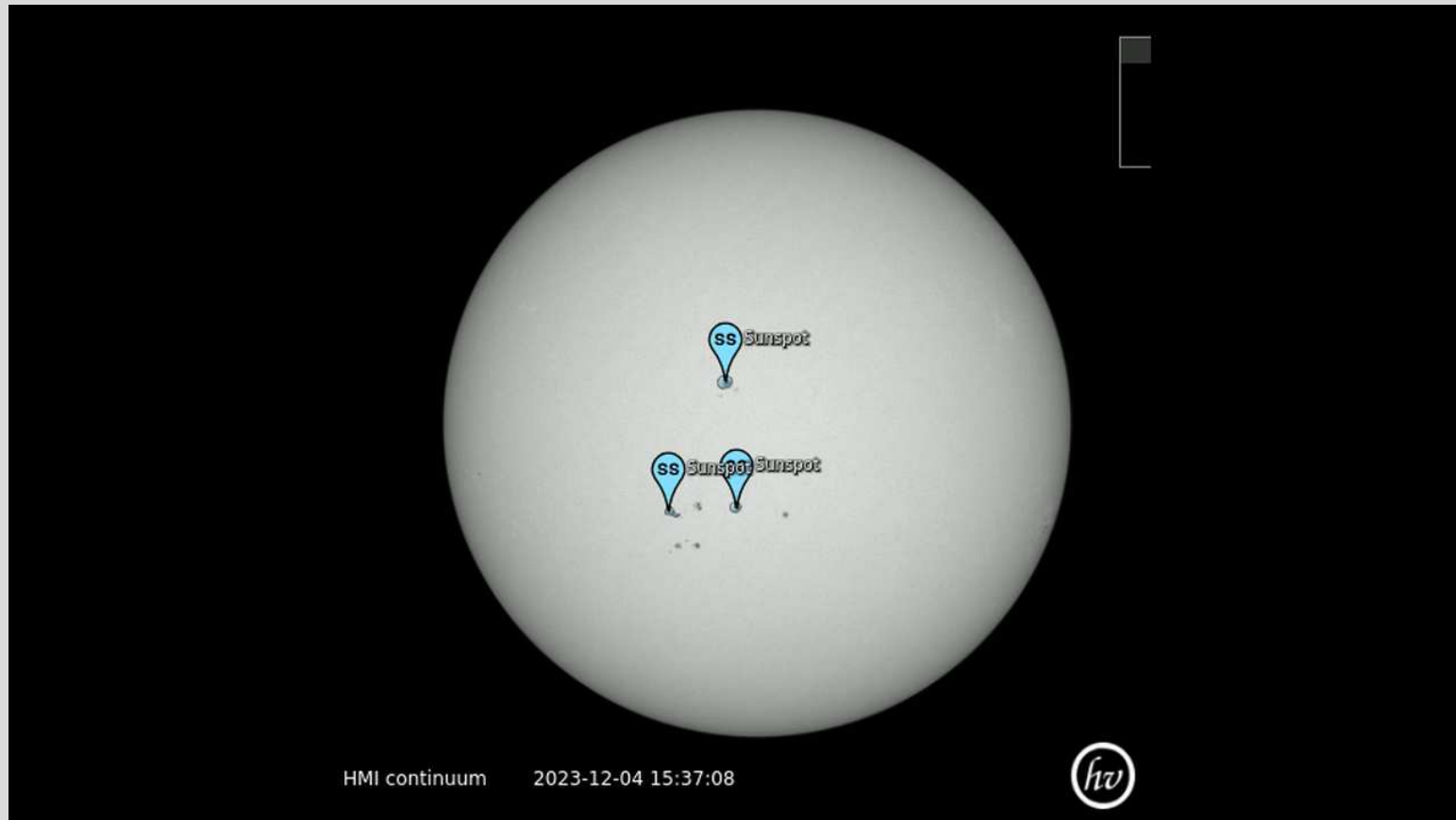
AIA 304 & LASCO C2, C3



AIA 211 – Corona Holes

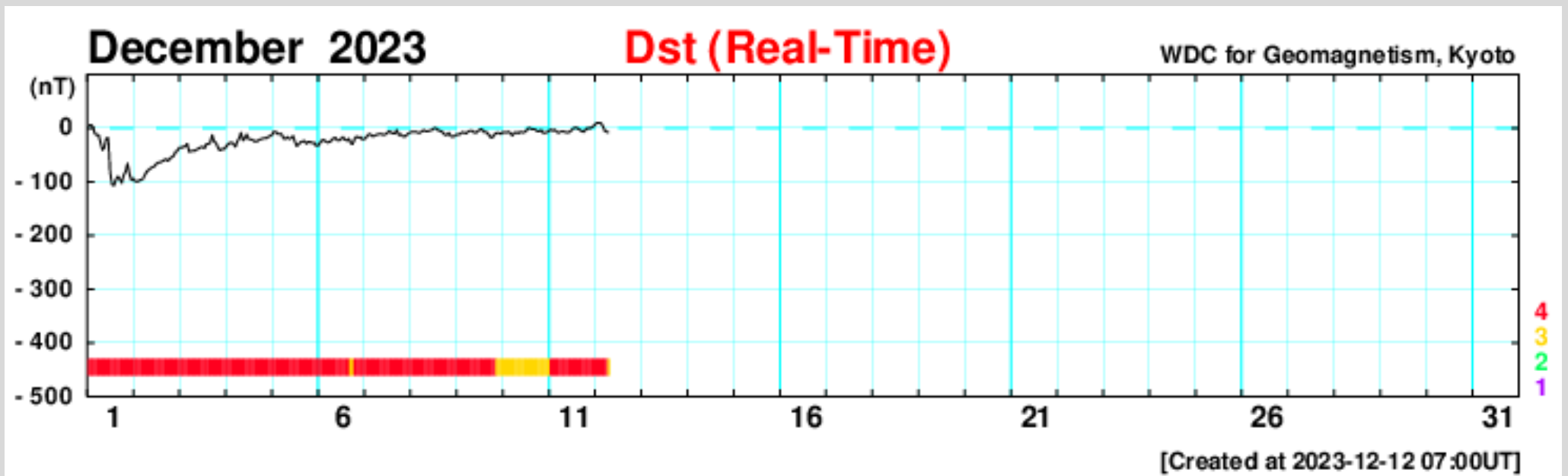


HMI Continuum - Sunspots



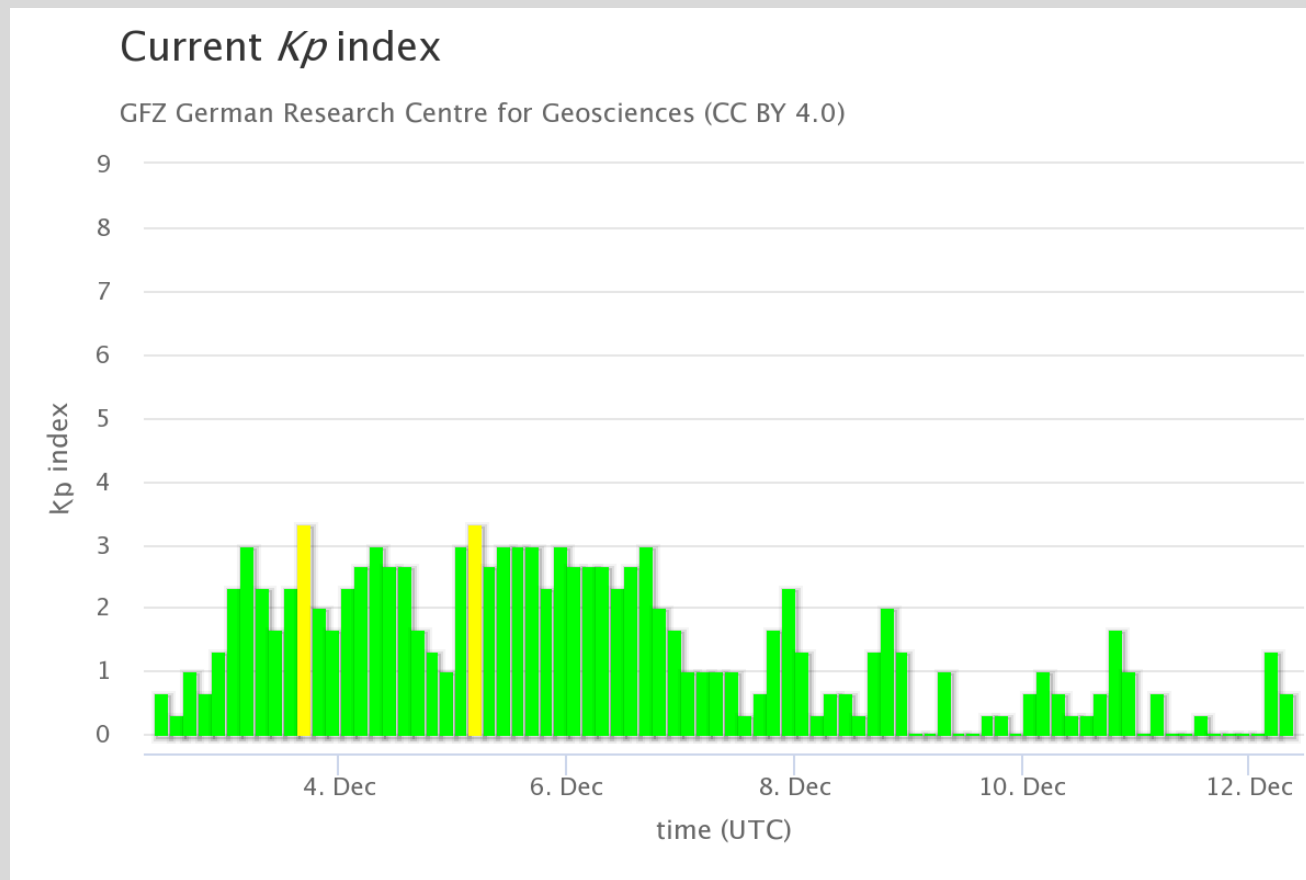
Dst Index

- 上週之Dst指數相對平緩，總體地磁擾動較少，無磁暴發生

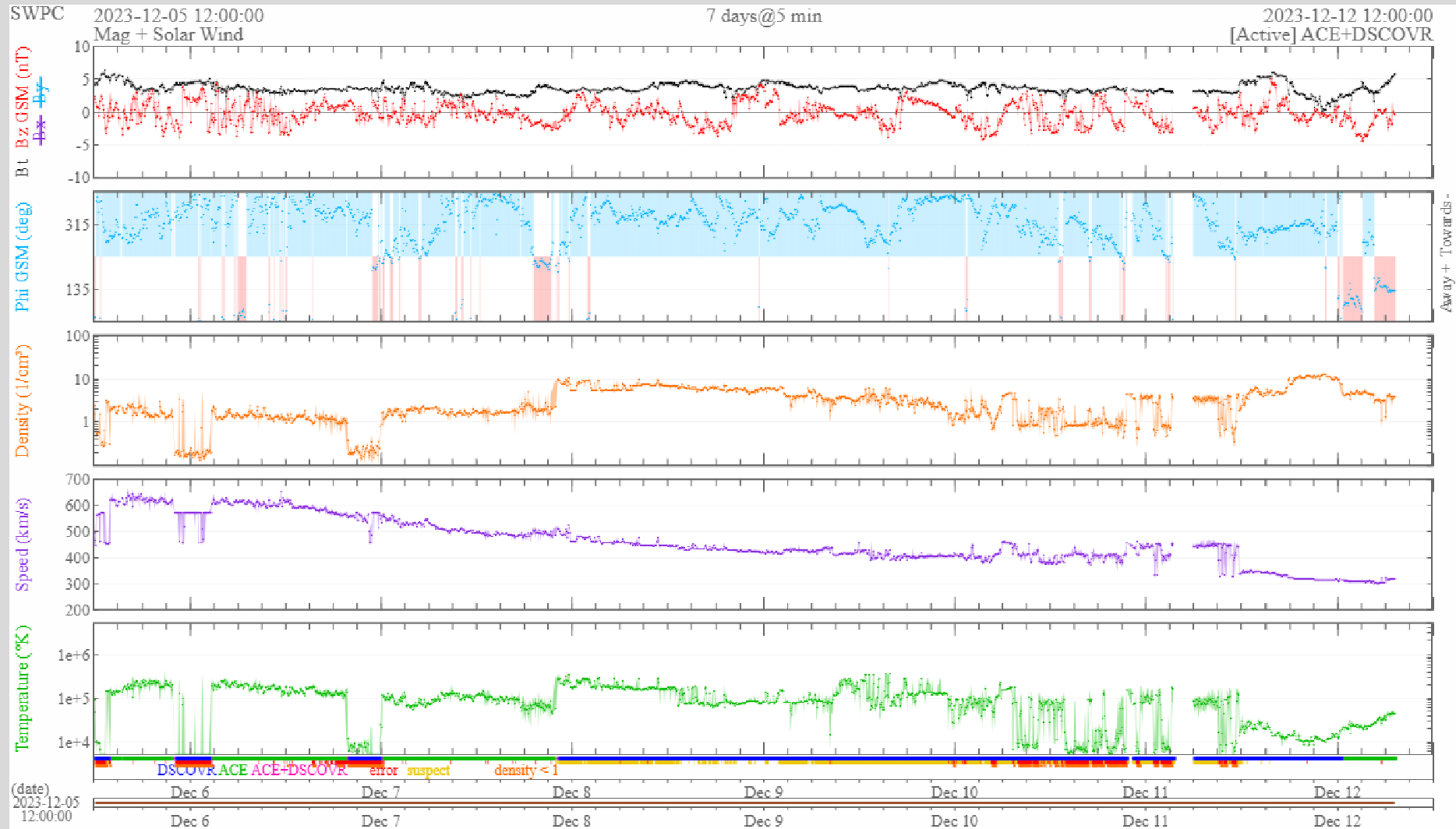


Kp Index

- 本周Kp指數也相對平緩，代表中高緯磁擾動較小



Real Time Solar Wind



Space News

4, Dec. ~ 11, Dec.

Chandrayaan-3 propulsion module returns to Earth!



<https://spacenews.com/india-returns-chandrayaan-3-propulsion-module-to-earth-orbit/>

Halley's Comet begins its 38-year journey back toward Earth



Halley's journey through the solar system

Planet orbit	Distance (AU)	Date of crossing
Neptune	30.6	May 7, 2041
Uranus	19.2	May 1, 2053
Saturn	9.54	Dec. 7 2058
Jupiter	5.2	June 25, 2060
Mars	1.52	May 16, 2061
Earth	1.0	June 19, 2061
Venus	0.72	July 9, 2061