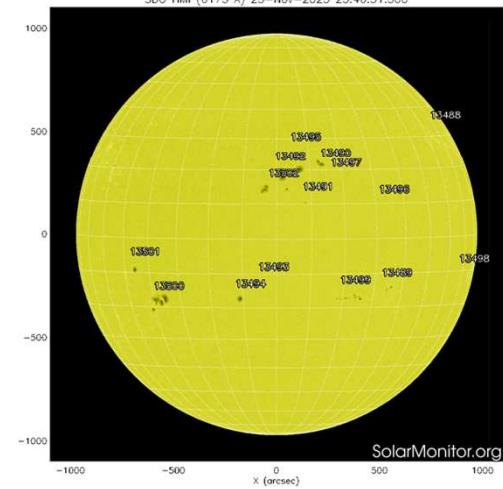
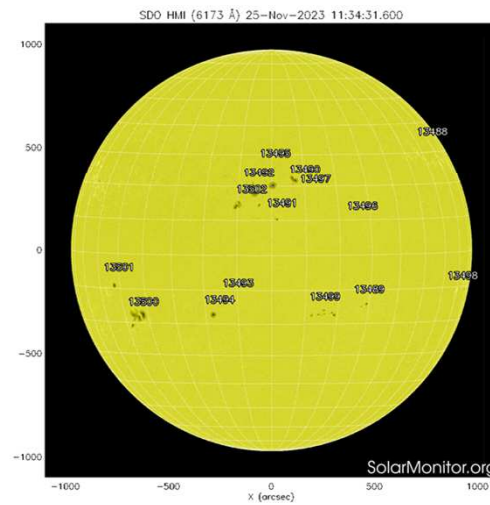
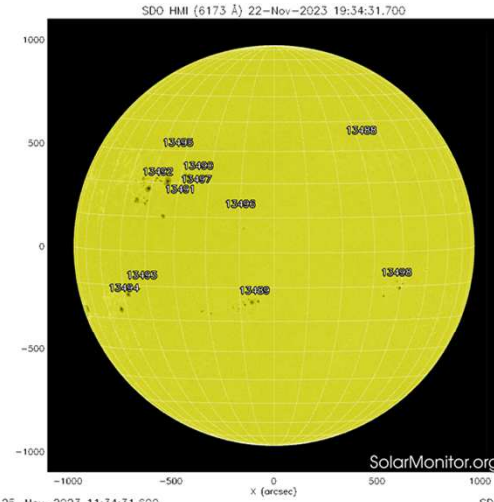
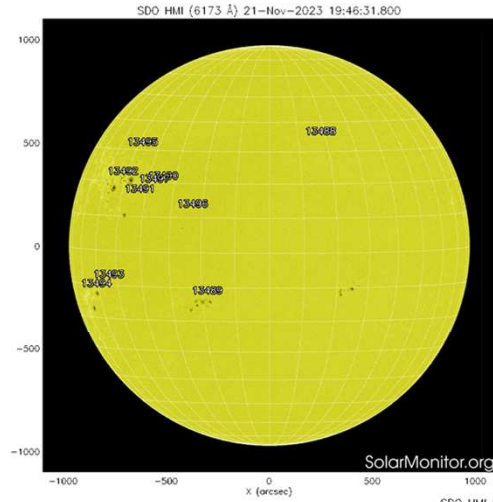
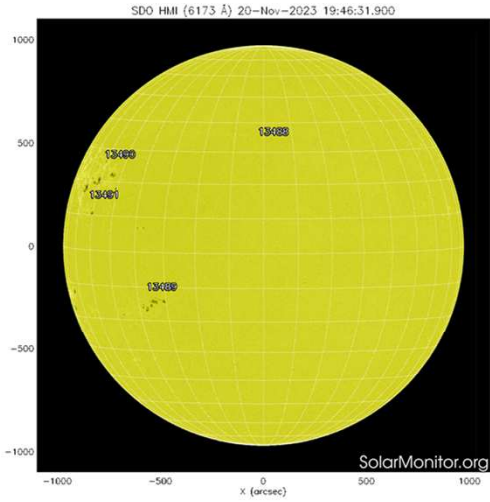


電漿值週報告

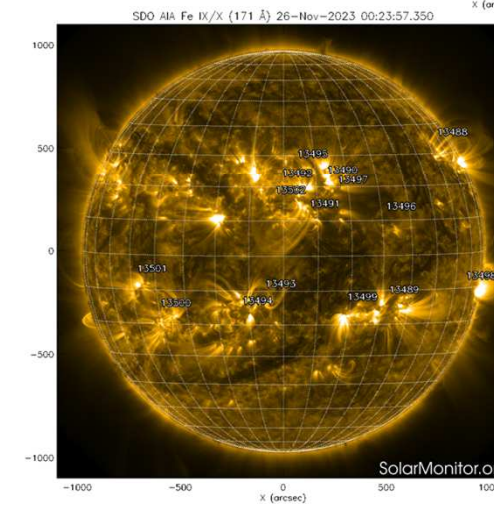
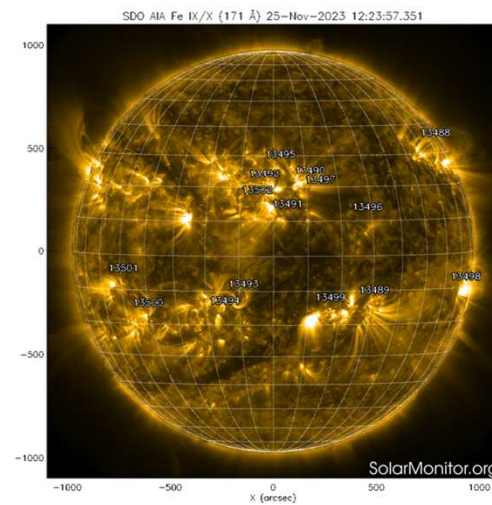
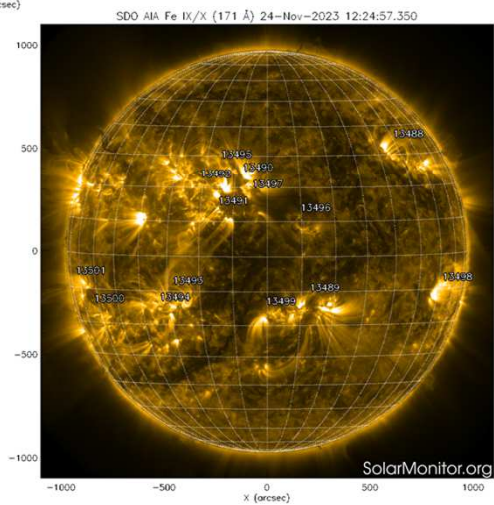
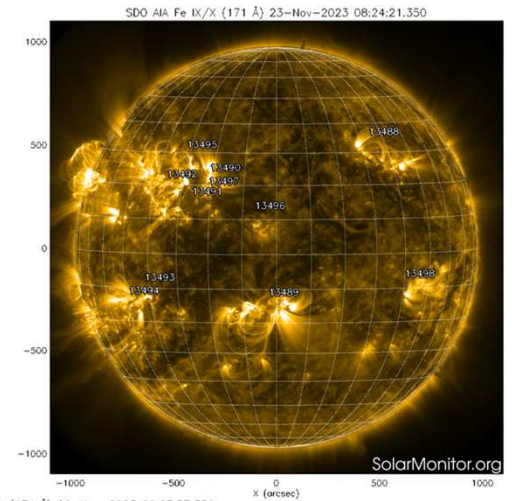
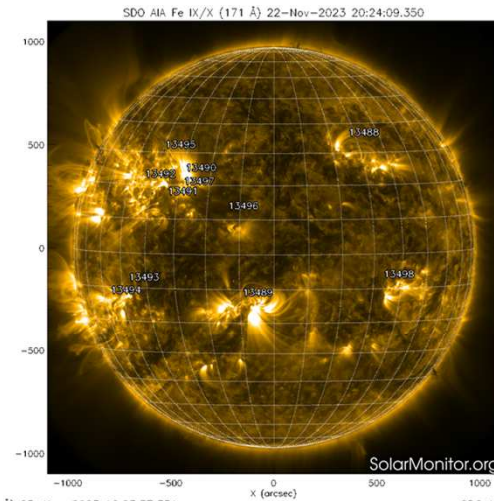
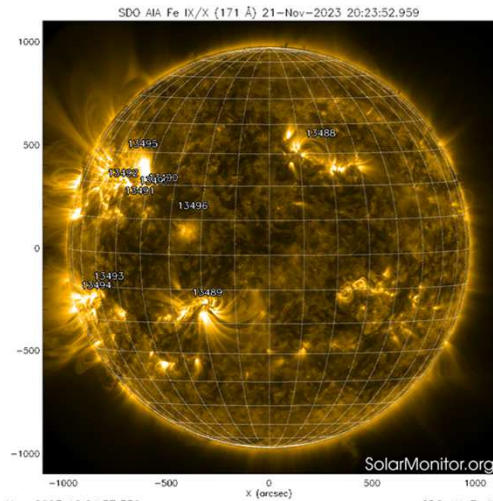
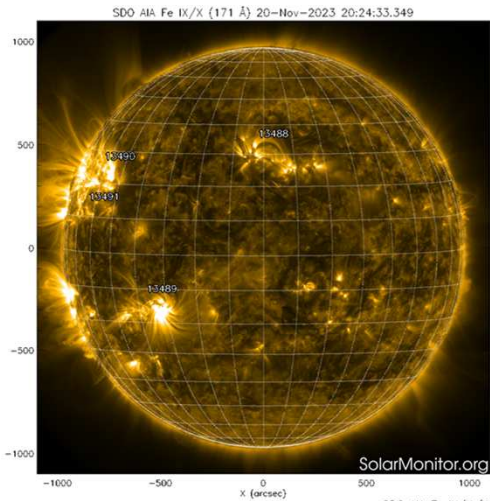
第12週

黃鈞蔚、吳嘉祥、林冠廷

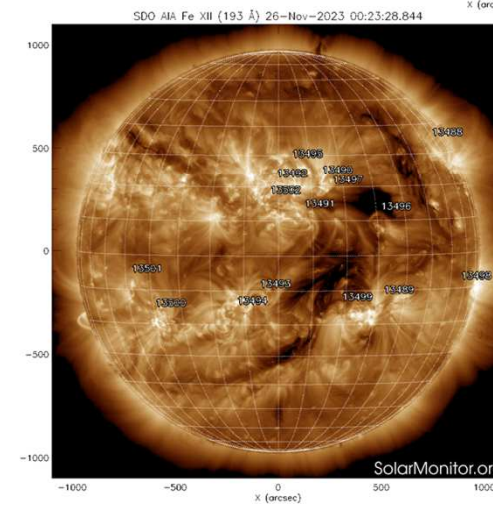
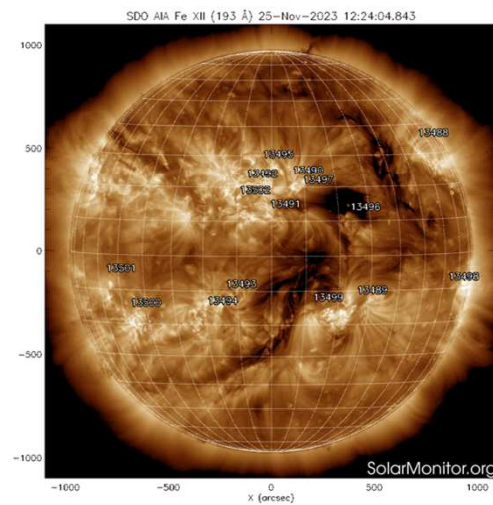
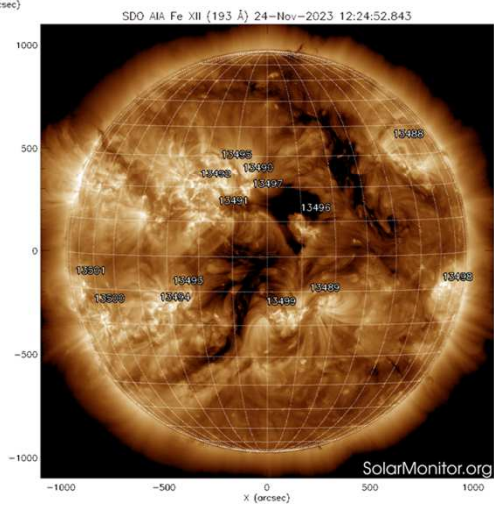
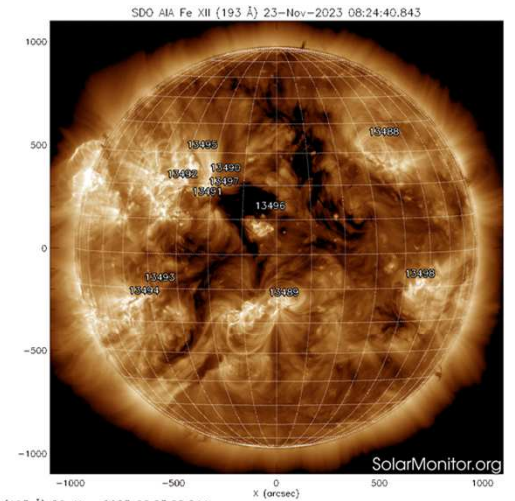
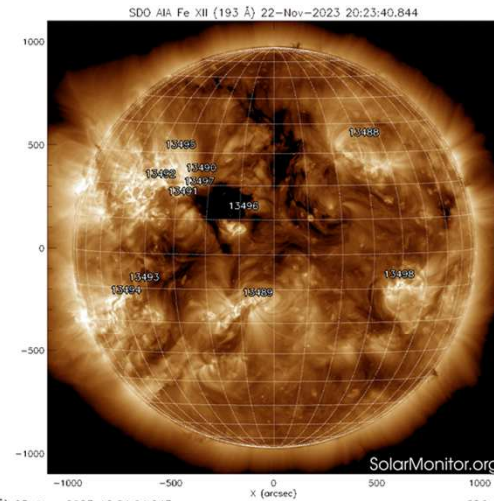
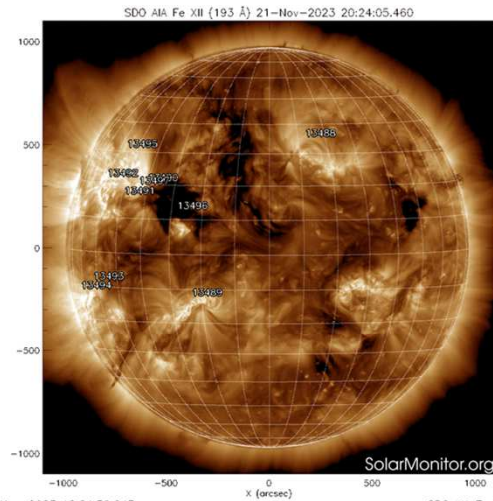
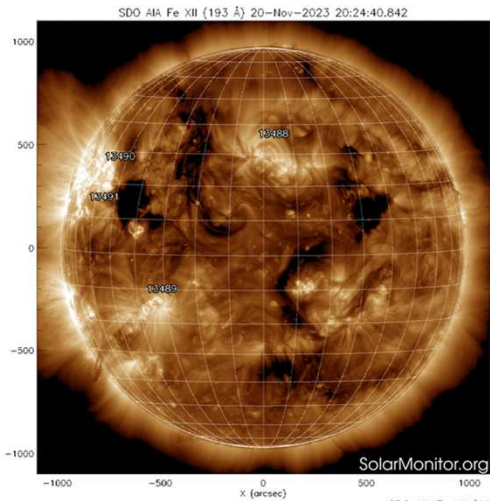
HMI 6173Å (光球層)



AIA 171Å (上層過度區)

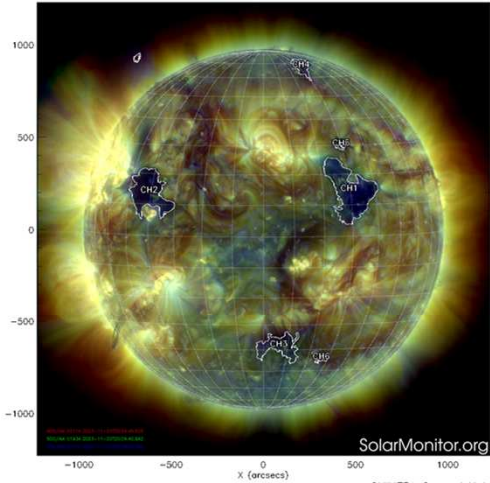


AIA 193Å (日冕)

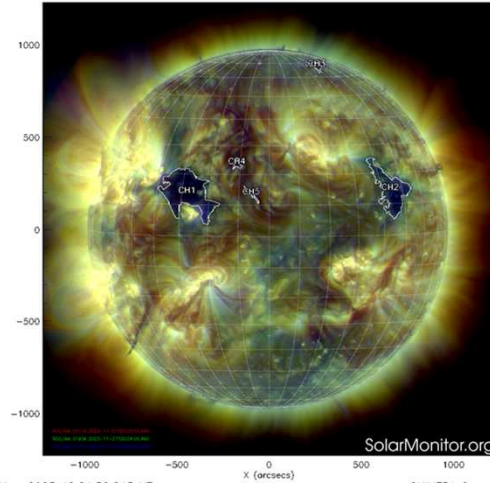


Coronal Holes

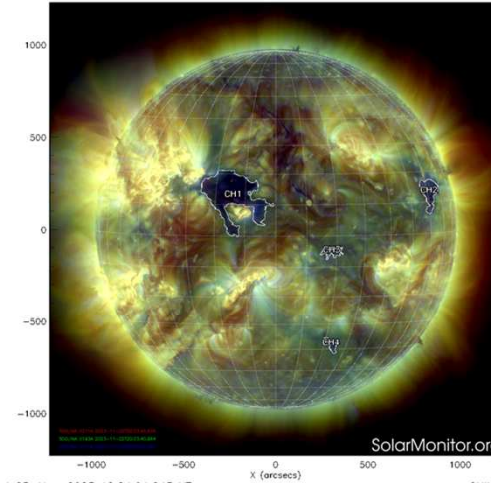
CHIMERA Coronal Holes at 20-Nov-2023 20:24:40.842 UT



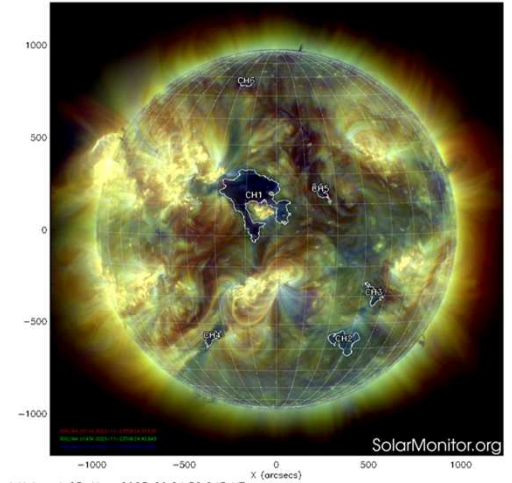
CHIMERA Coronal Holes at 21-Nov-2023 20:24:05.460 UT



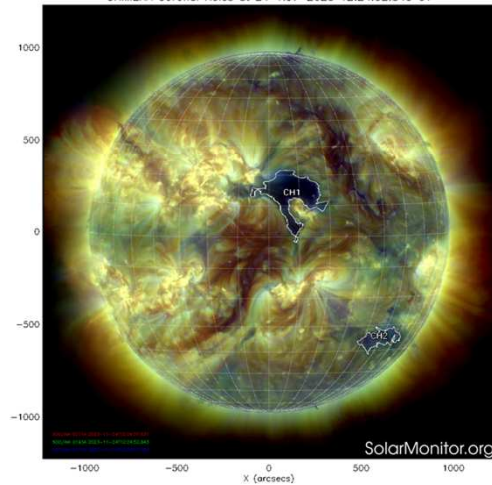
CHIMERA Coronal Holes at 22-Nov-2023 20:23:40.844 UT



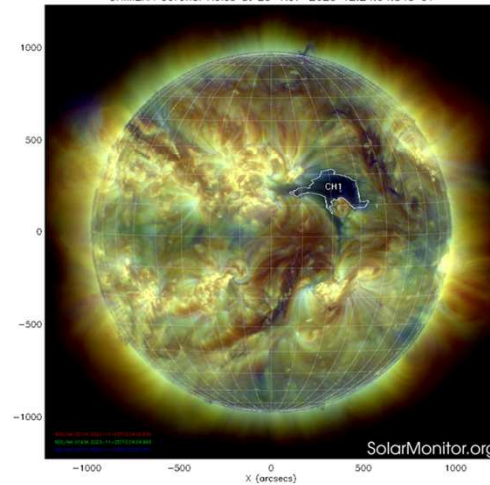
CHIMERA Coronal Holes at 23-Nov-2023 08:24:40.843 UT



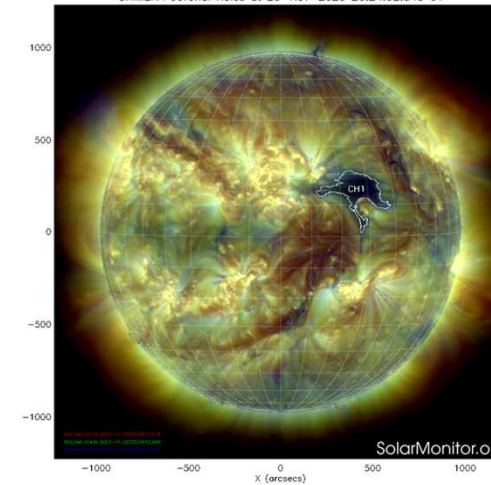
CHIMERA Coronal Holes at 24-Nov-2023 12:24:52.843 UT



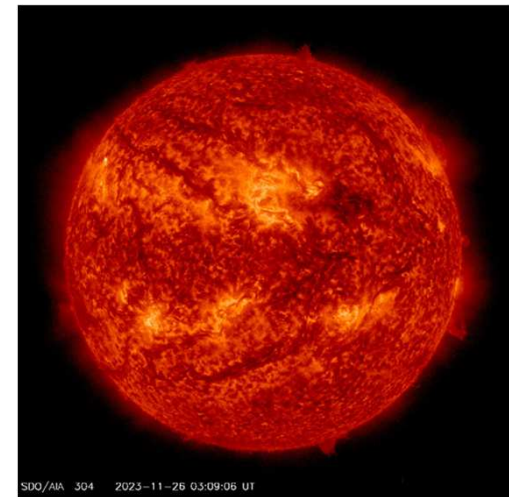
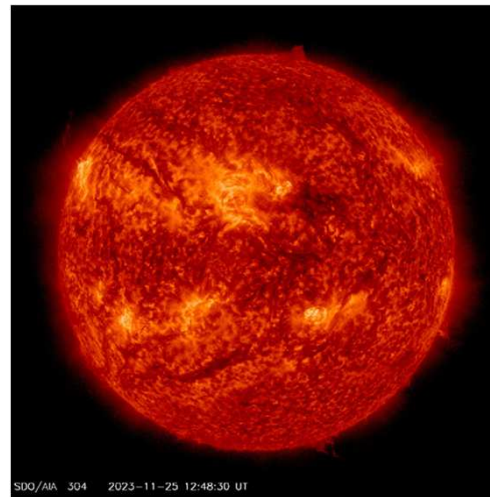
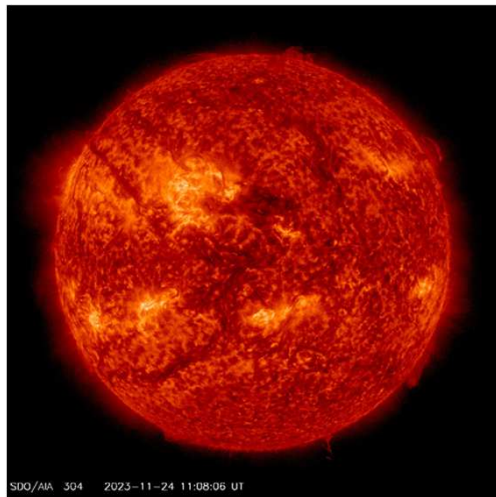
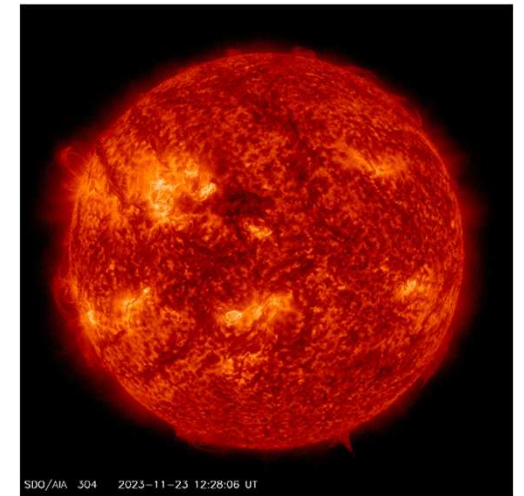
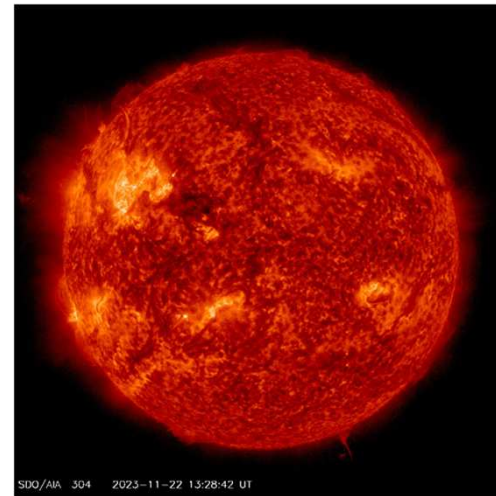
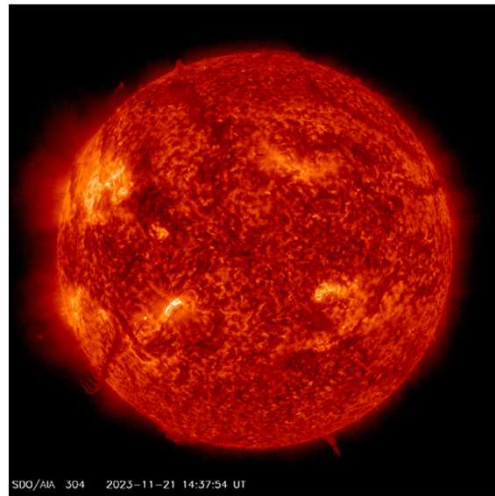
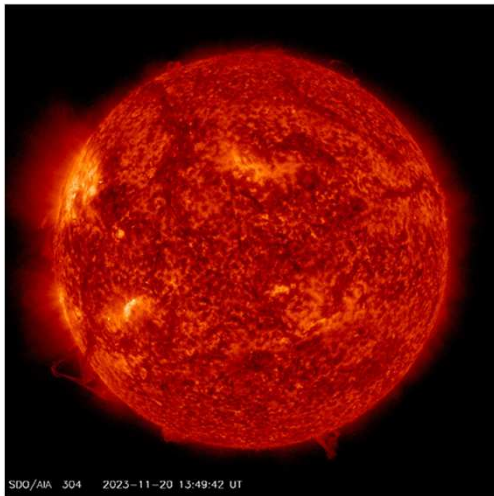
CHIMERA Coronal Holes at 25-Nov-2023 12:24:04.843 UT



CHIMERA Coronal Holes at 25-Nov-2023 20:24:52.843 UT



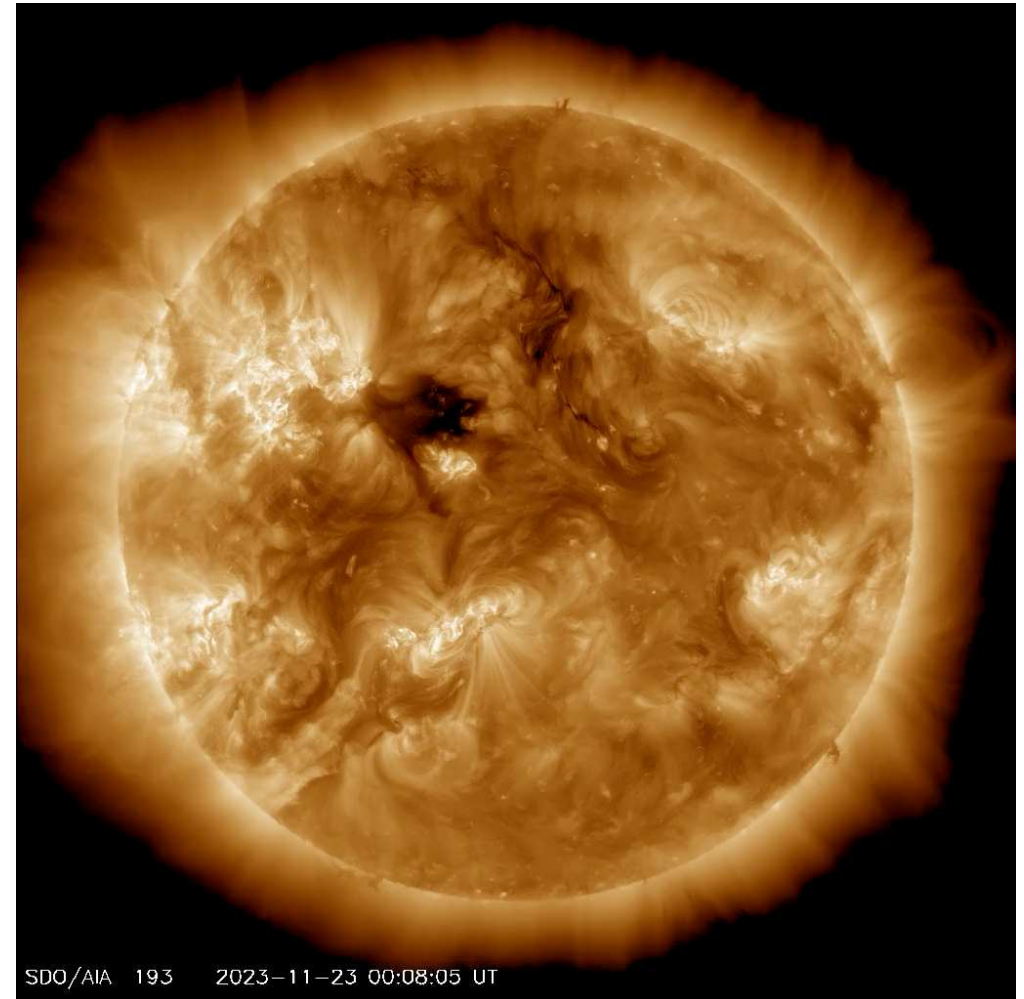
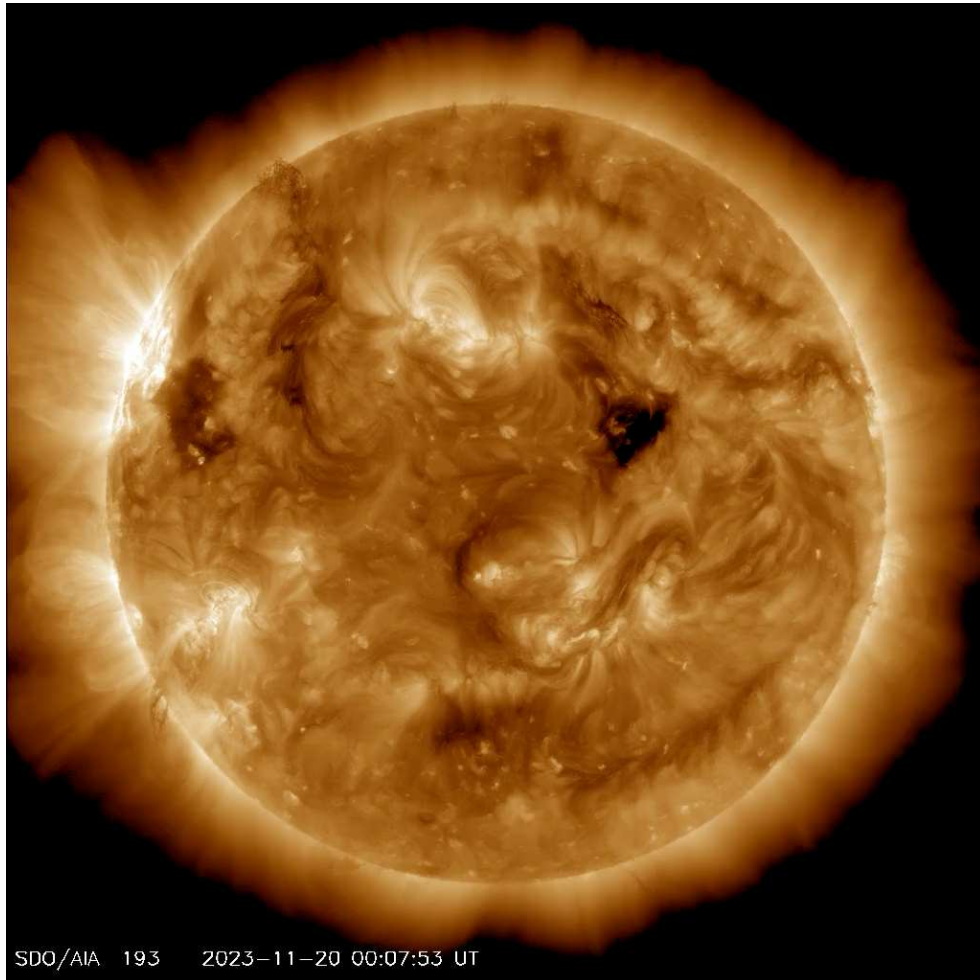
AIA 304Å (色球層)



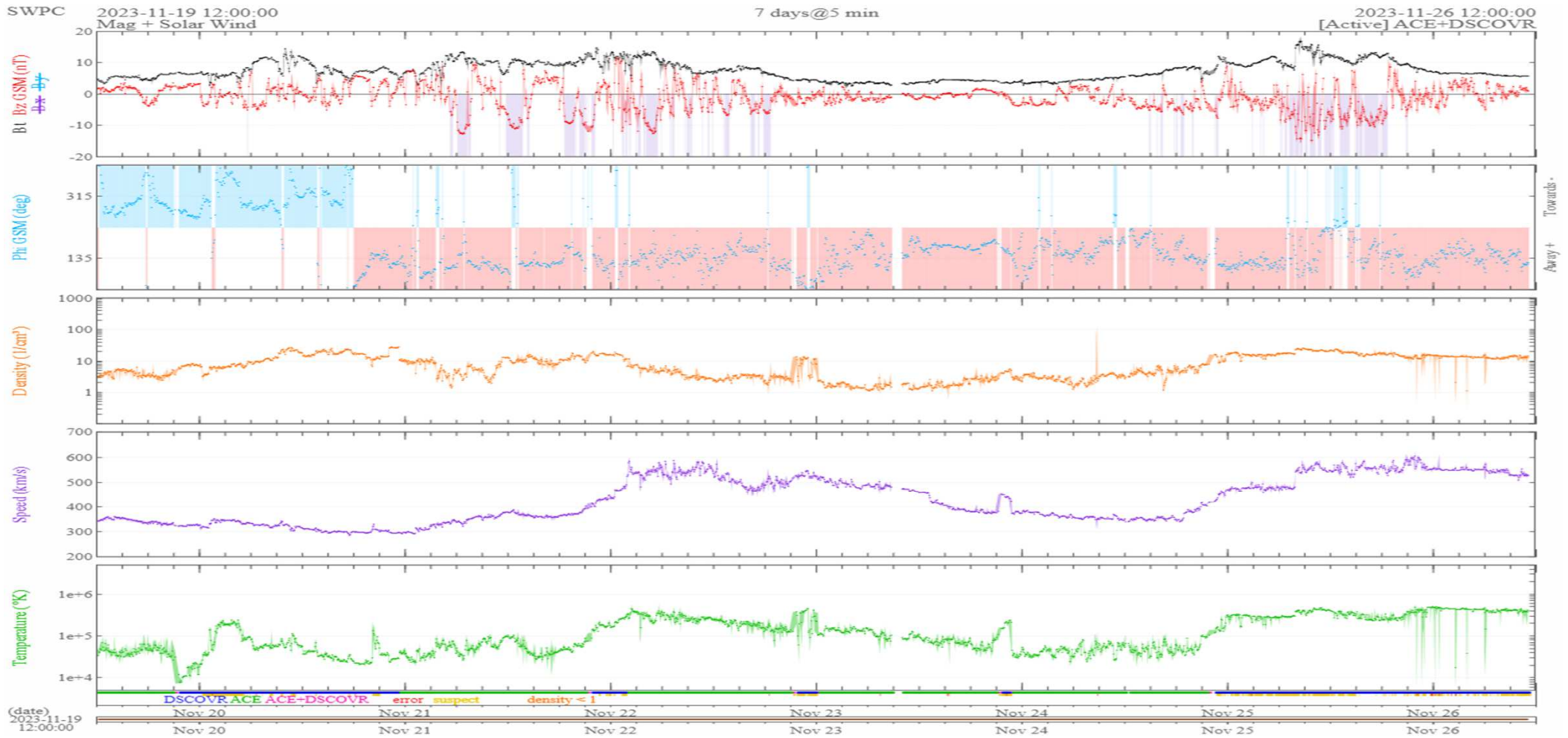
https://en.wikipedia.org/wiki/Solar_Dynamics_Observatory

<https://solarmonitor.org/index.php>

AIA 193Å

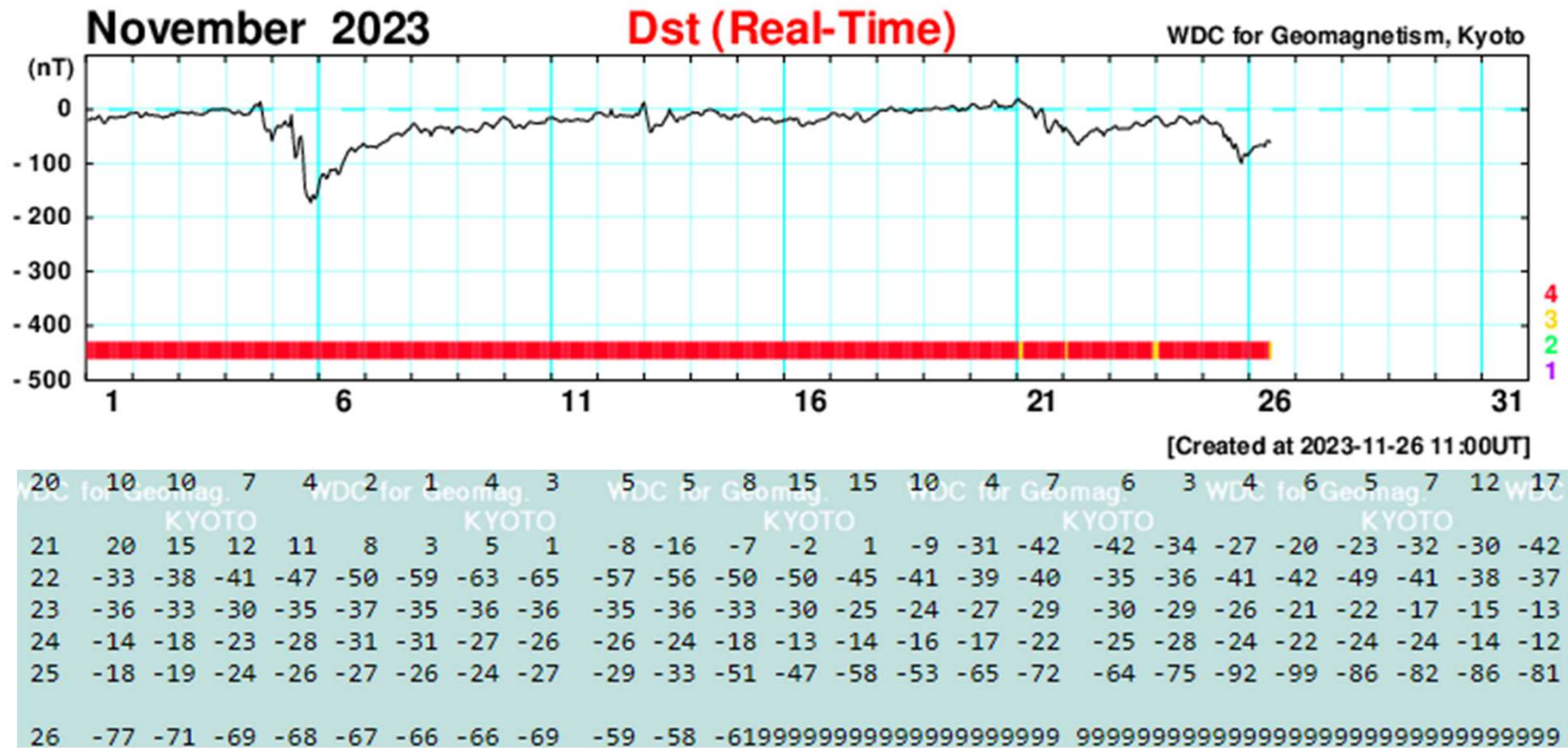


Real Time Solar Wind



<https://www.swpc.noaa.gov/products/real-time-solar-wind>

Dst Index

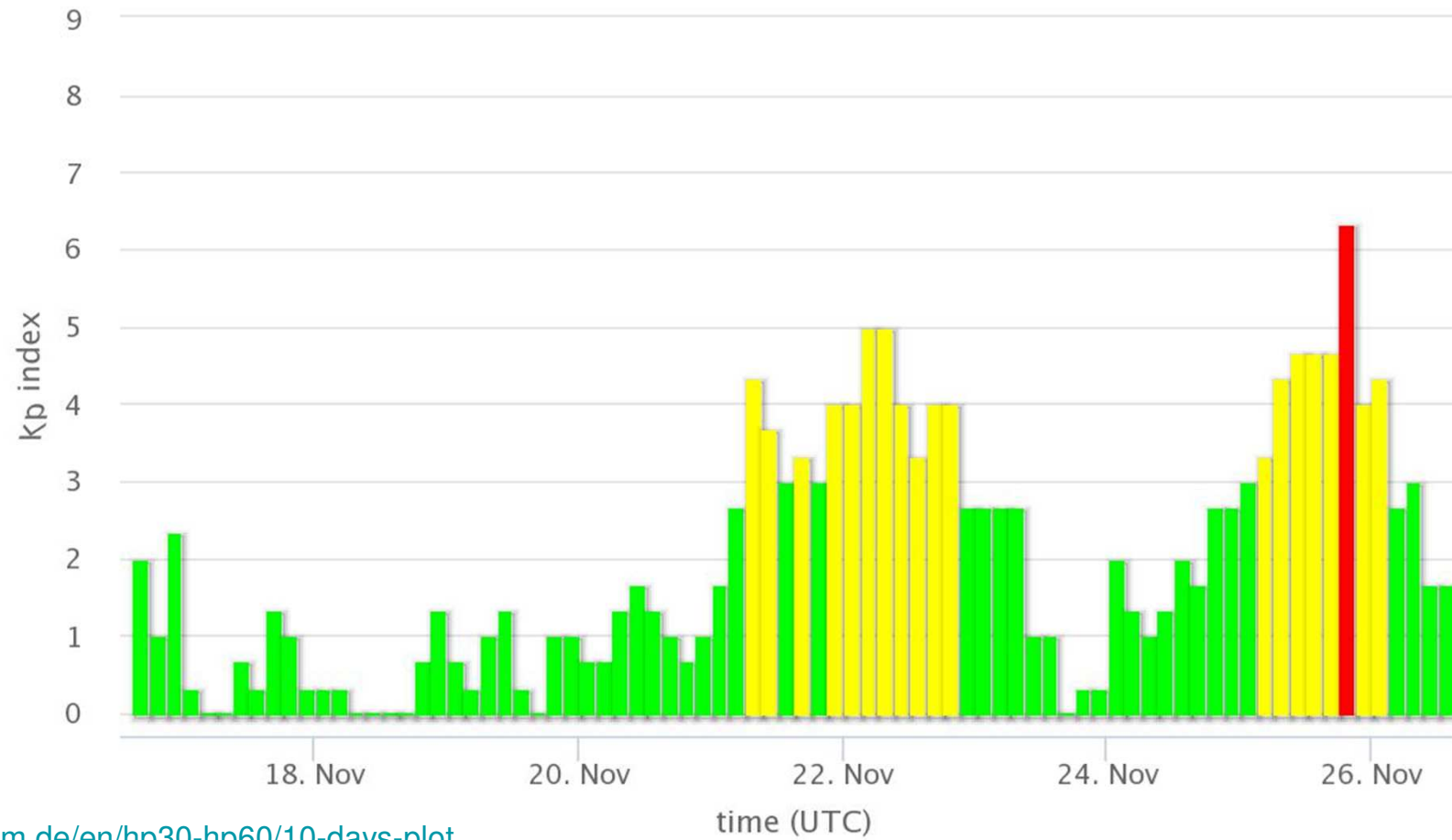


https://wdc.kugi.kyoto-u.ac.jp/dst_realtime/202311/index.html

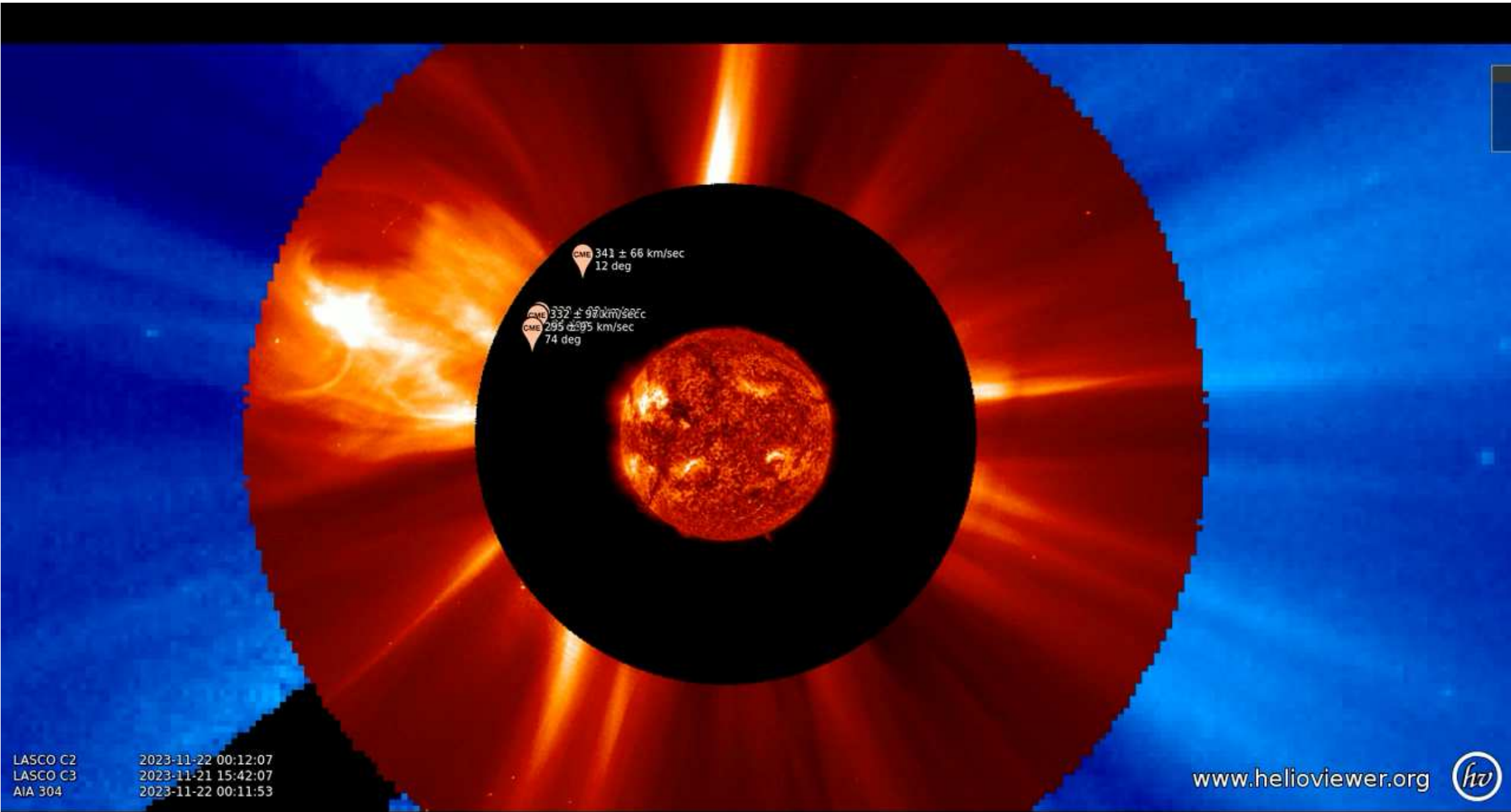
Kp Index

Current K_p index

GFZ German Research Centre for Geosciences (CC BY 4.0)




<https://kp.gfz-potsdam.de/en/hp30-hp60/10-days-plot>



CME 341 ± 66 km/sec
12 deg

CME 332 ± 97 km/sec
CME 295 ± 95 km/sec
74 deg

LASCO C2 2023-11-22 00:12:07
LASCO C3 2023-11-21 15:42:07
AIA 304 2023-11-22 00:11:53

www.helioviewer.org 

太空新聞

NASA 收到來自 1000 萬英里外的紅外線訊息

NASA的Psyche衛星近期在進行深太空光通訊技術演示（DSOC），紅外線發送資料的速度是使用的傳統無線電波系統的 10 到 100 倍，或許能成為未來用於與人類探索火星進行通訊的技術基礎。



<https://edition.cnn.com/2023/11/24/world/nasa-psyche-dsoc-first-light-scn/index.html>

北韓自主發射第一顆軍事衛星

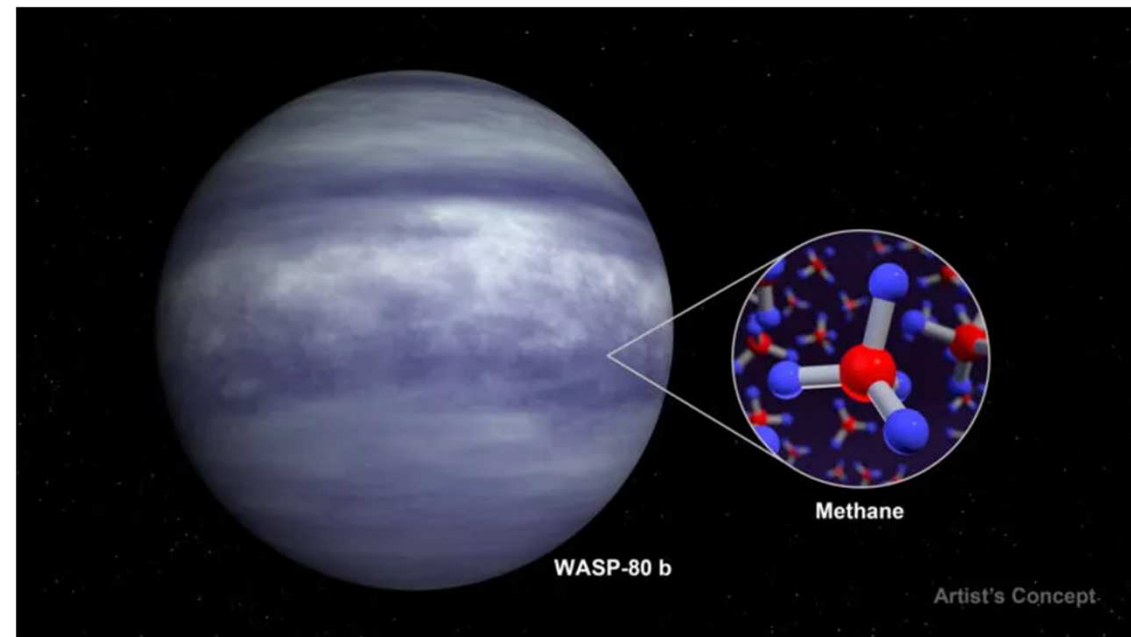
北韓在本週成功發射首枚自主研製的軍事衛星，並且在幾小時後聲稱正在查看美國關島基地的遙測影像。



<https://www.aljazeera.com/news/2023/11/24/north-korea-celebrates-new-era-of-a-space-power-after-satellite-launch>

James Webb在WASP-80 b發現甲烷與水

望遠鏡在WASP-80 b經過其母紅矮星的表面時測量到，雖然已經在大約十幾個行星的大氣層中發現了水蒸氣，但這是首次利用太空光譜檢測到這清楚的甲烷特徵。



<https://www.space.com/james-webb-space-telescope-wasp-80-b-methane-water-vapor>

太陽紅太陽圓，天線寶寶說再見

