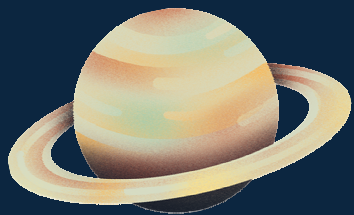


# 電漿值週

## Week 16



太空四 張博智

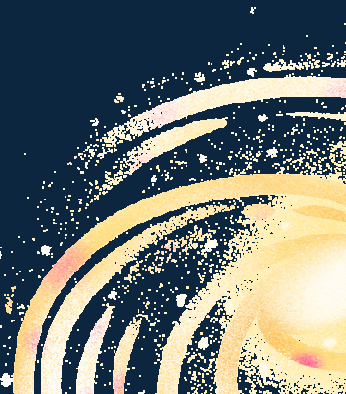
太空四 郭哲文

地科院學士班三 孔祥庭

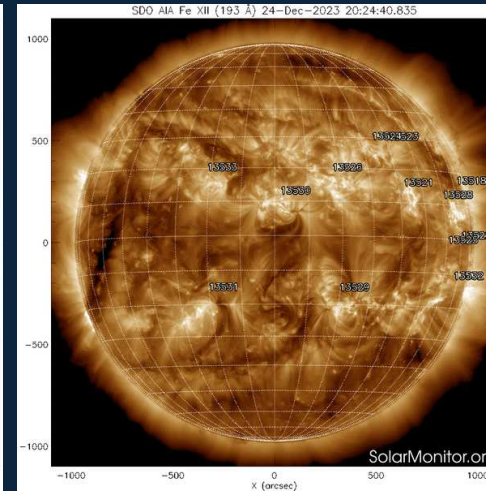
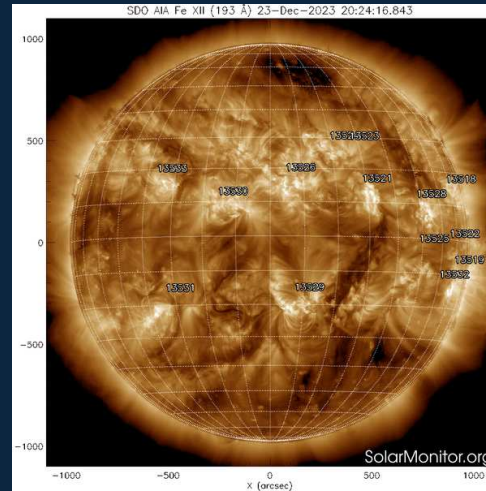
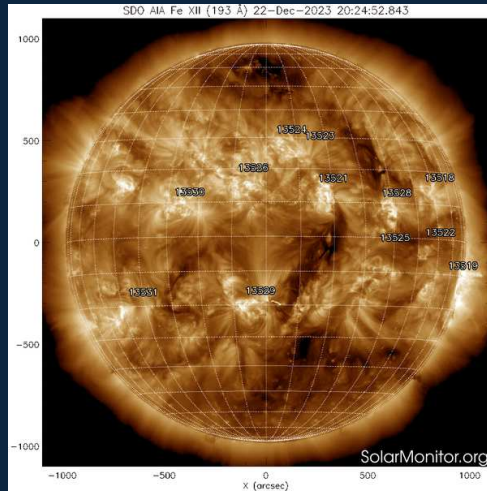
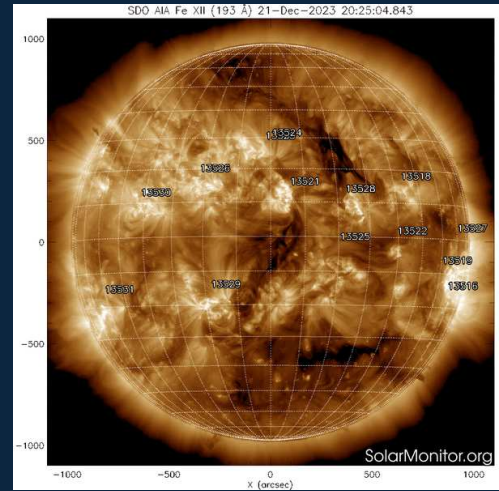
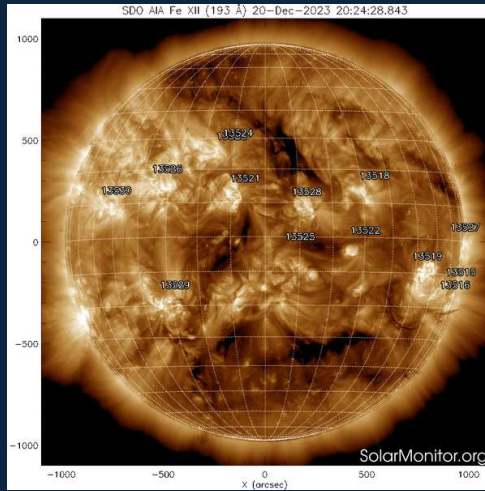
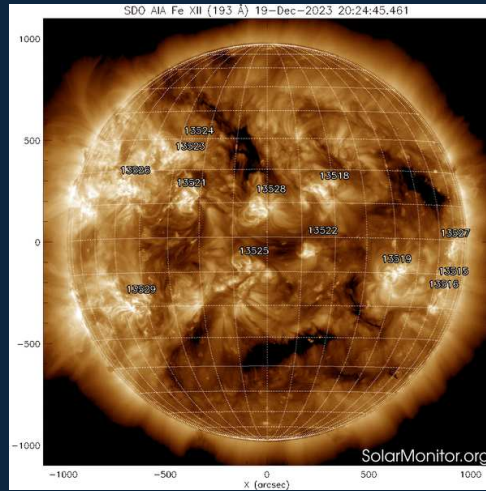
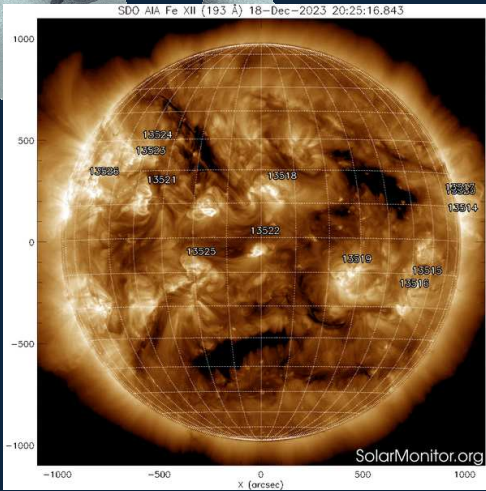


# SPACE WEATHER

12/18~12/24



# SDO AIA 193 Å

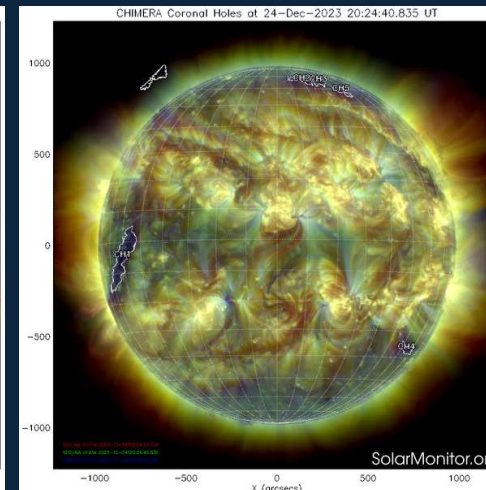
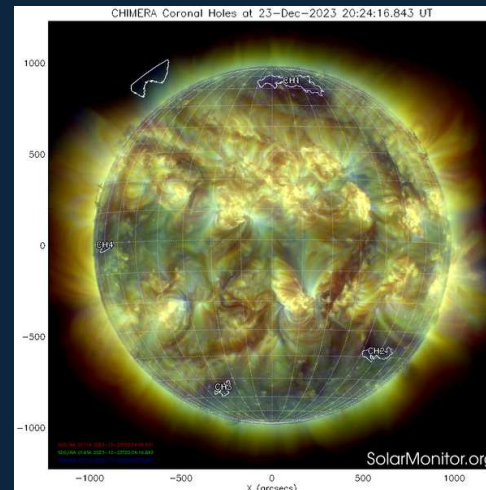
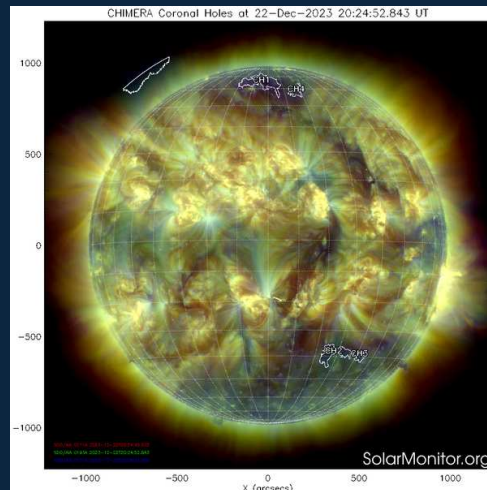
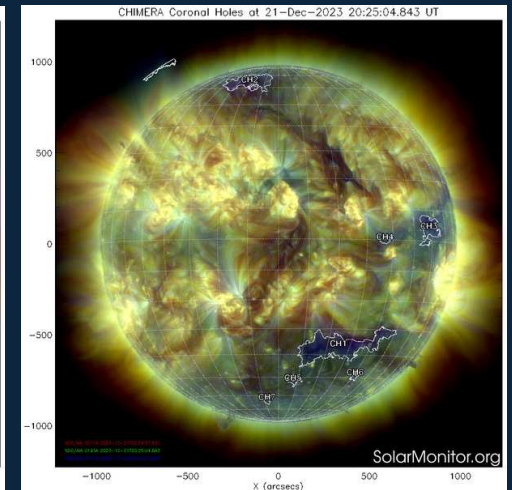
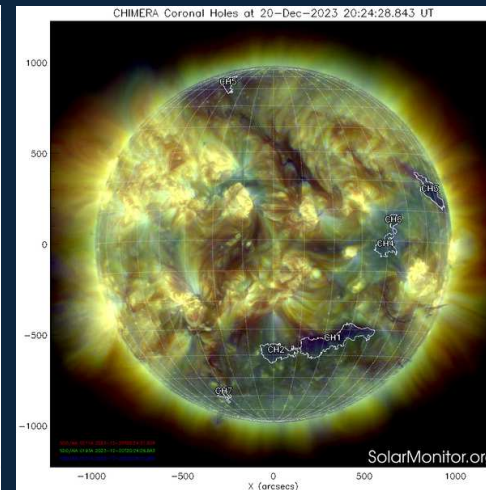
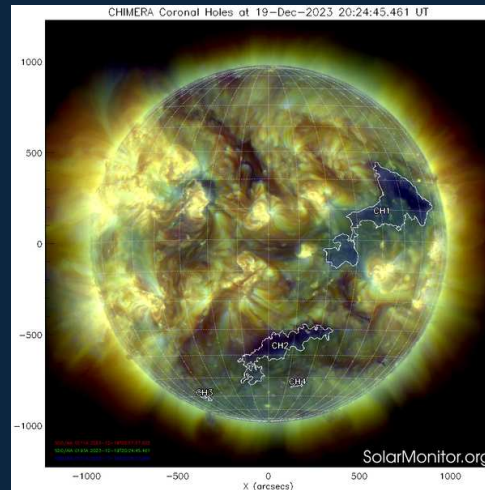
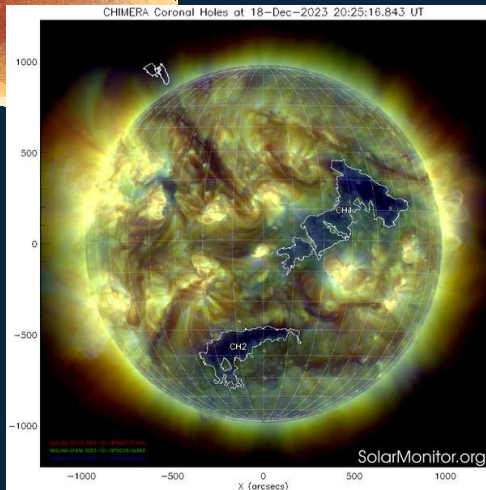


<https://www.solarmonitor.org/index.php>



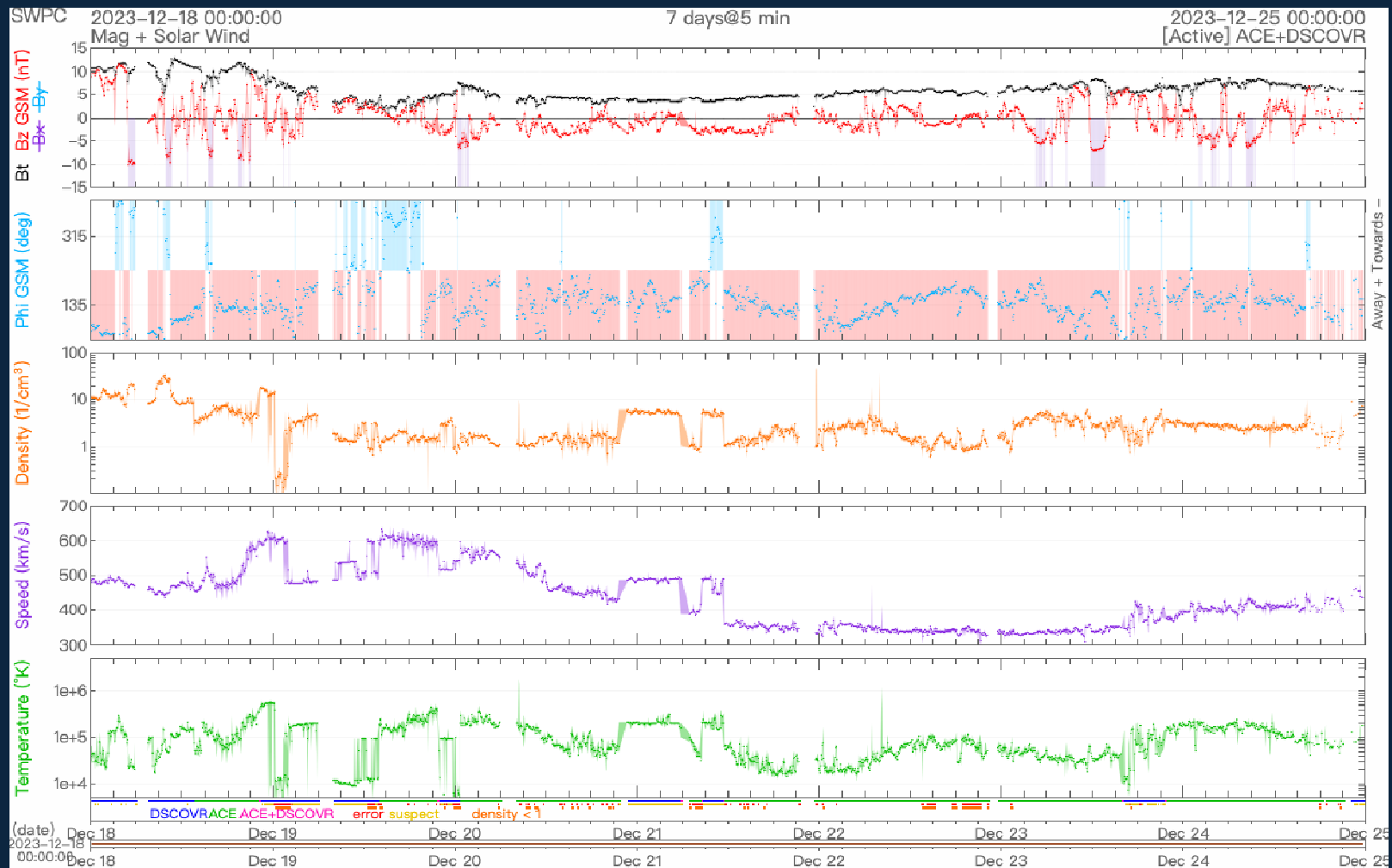


# Corona Holes



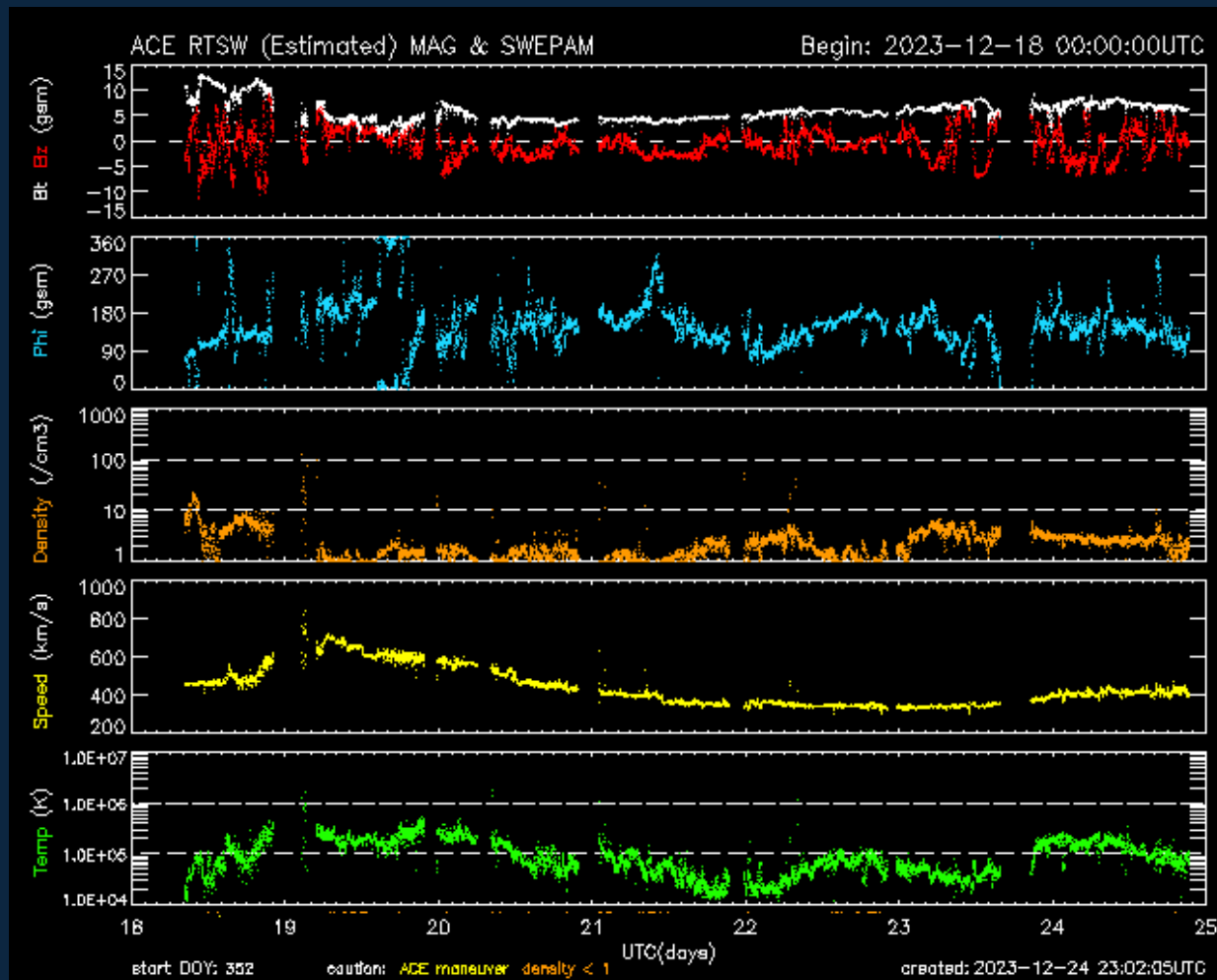
<https://www.solarmonitor.org/index.php>

# SWPC Real Time Solar Wind



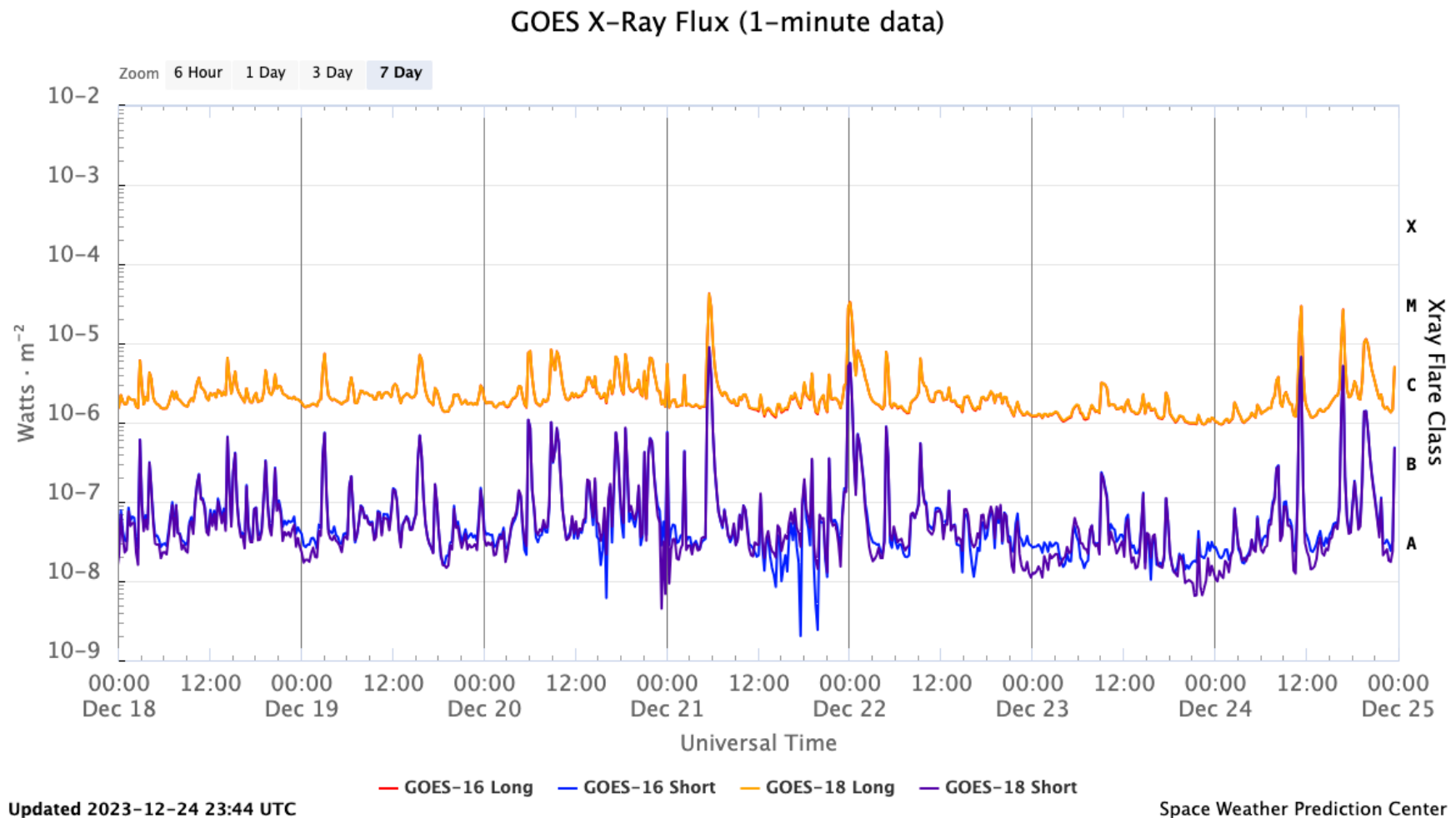
<https://www.swpc.noaa.gov/products/real-time-solar-wind>

# ACE Real Time Solar Wind



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

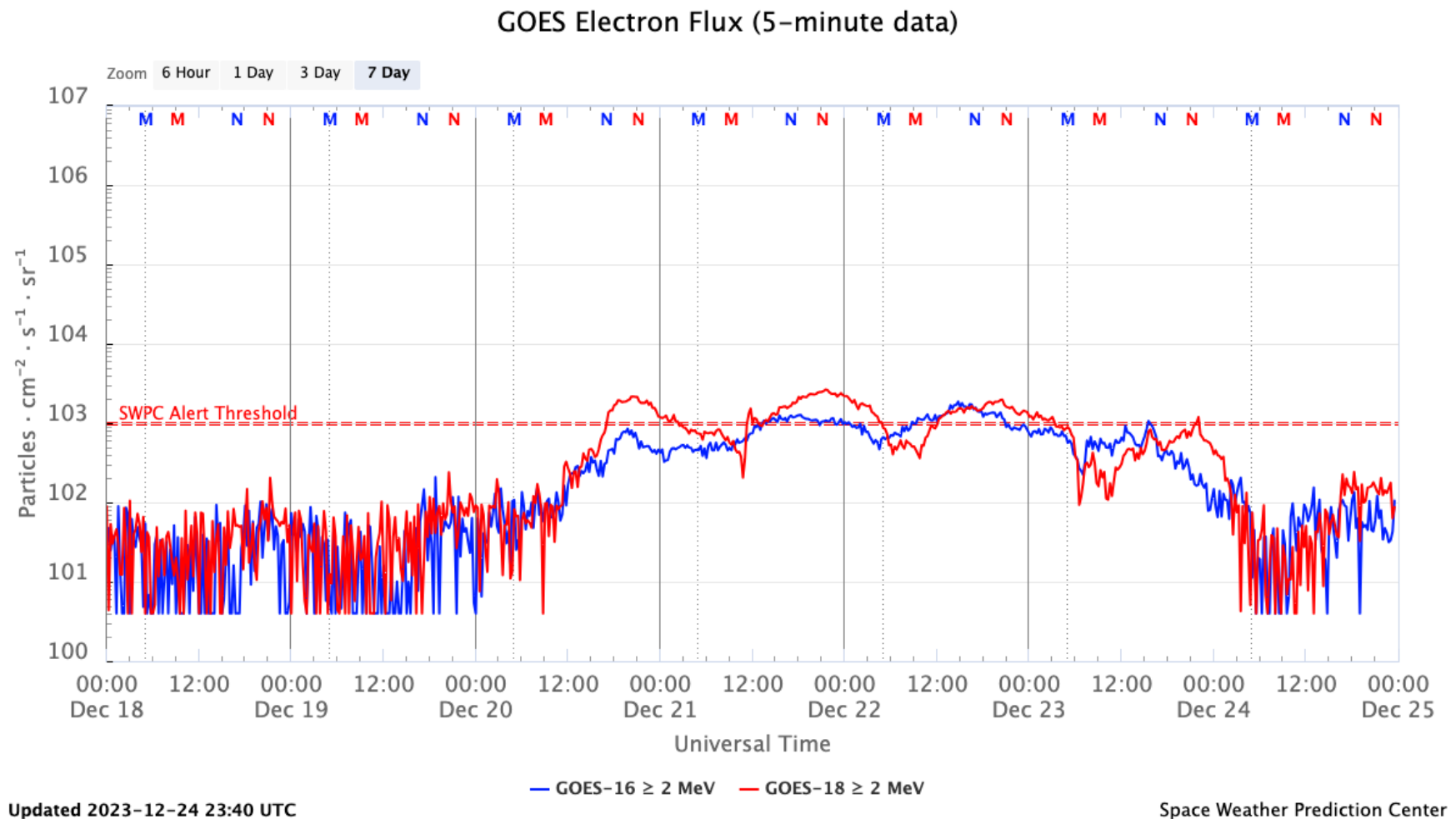
# GOES X-Ray Flux



<https://www.swpc.noaa.gov/products/goes-x-ray-flux>

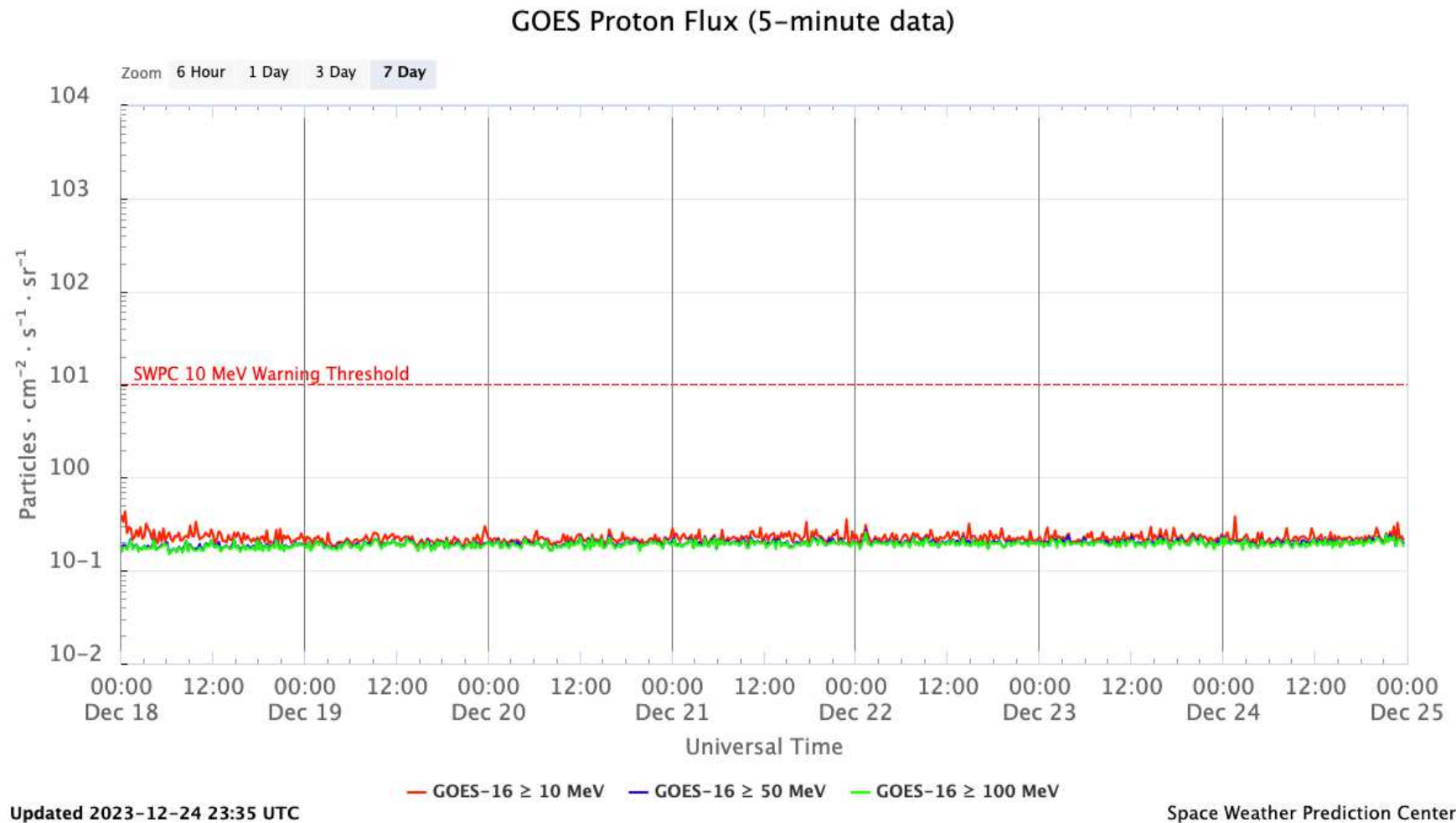


# GOES Electron Flux



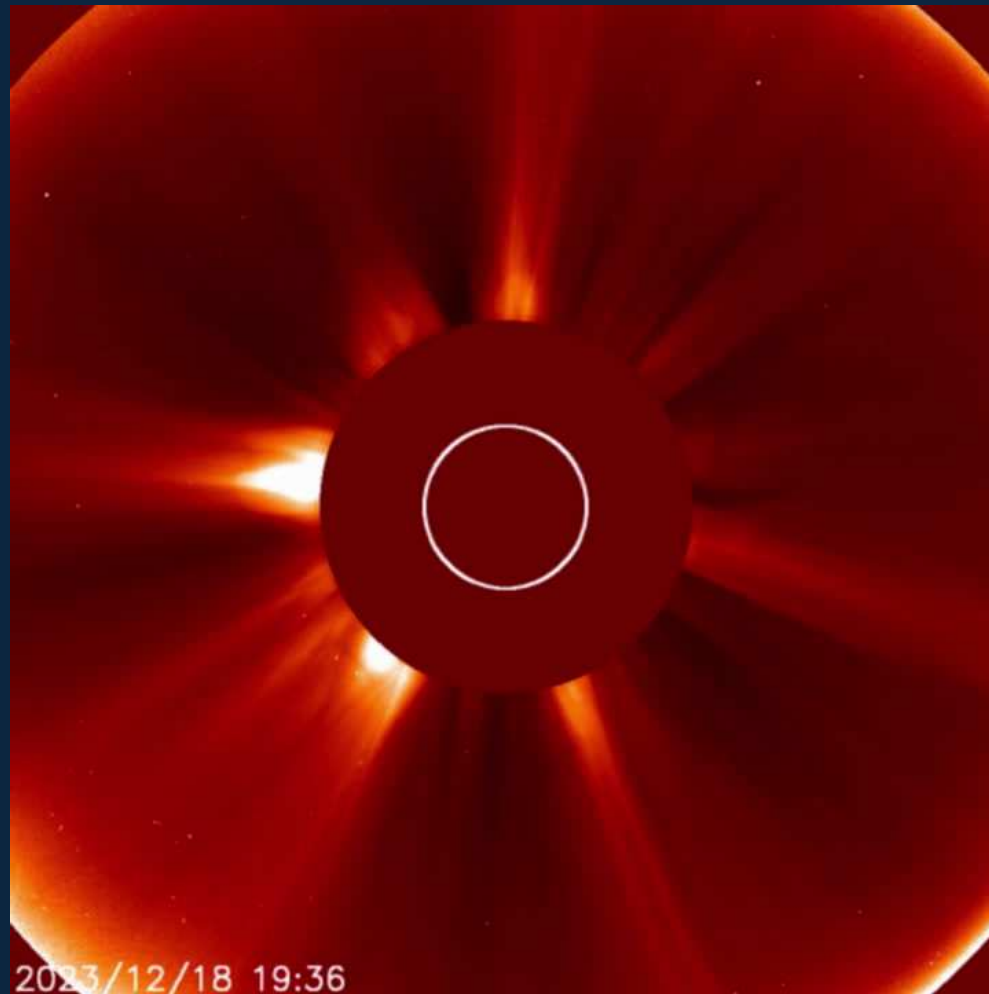
<https://www.swpc.noaa.gov/products/goes-electron-flux>

# GOES Proton Flux



<https://www.swpc.noaa.gov/products/goes-proton-flux>

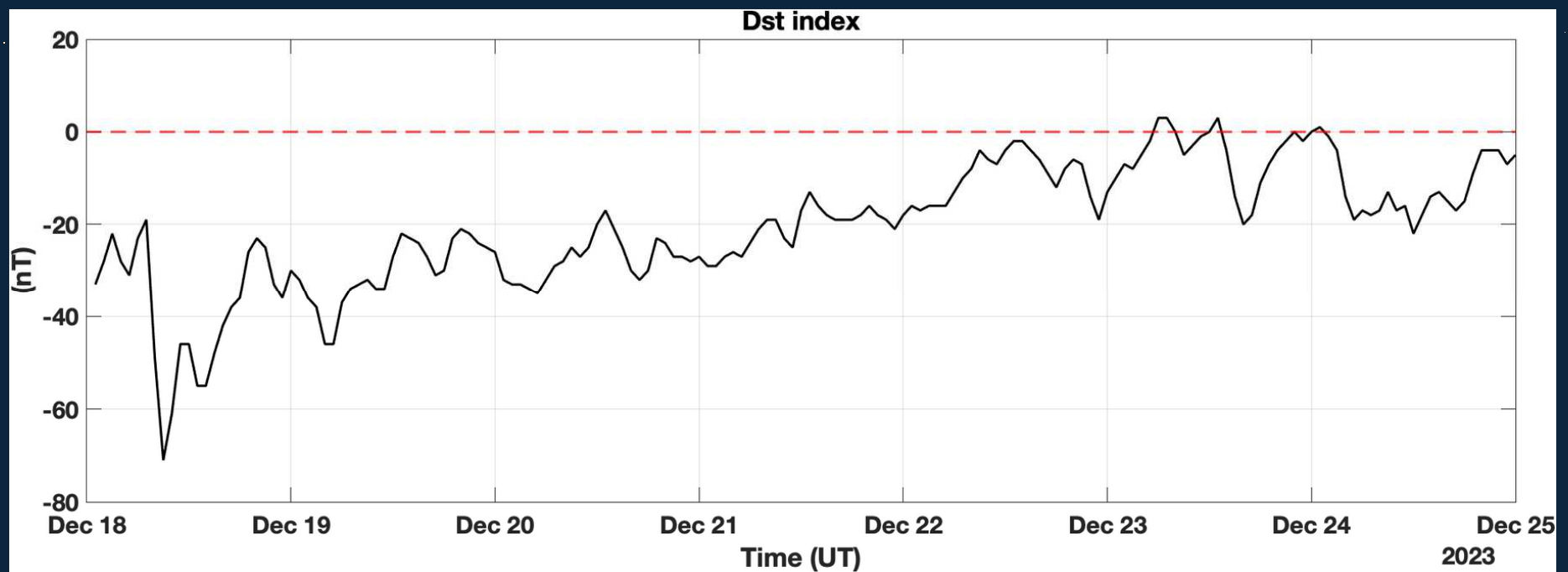
# CMEs (C2)



2023/12/18 19:36

<https://soho.nascom.nasa.gov/data/Theater/>

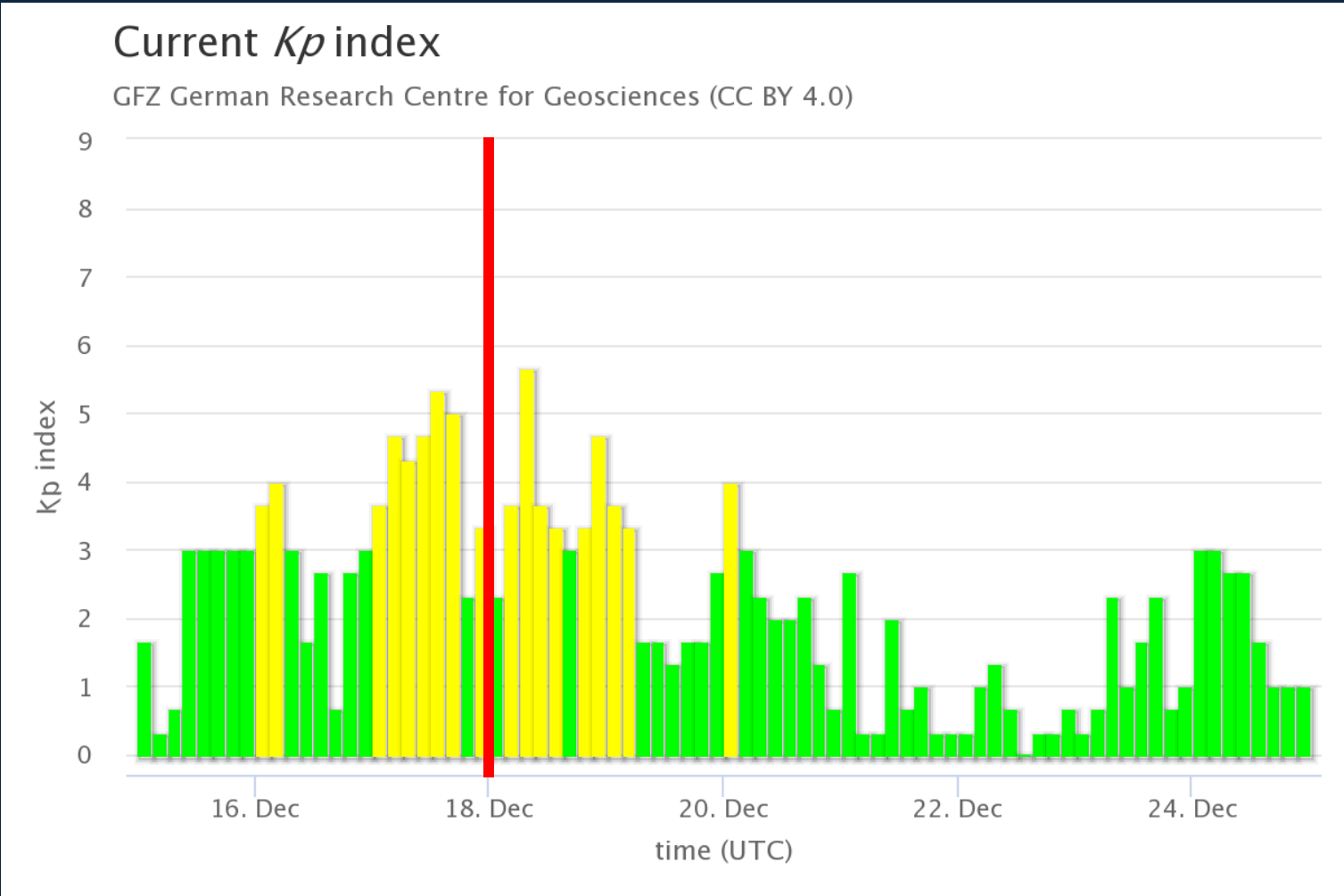
# Dst index



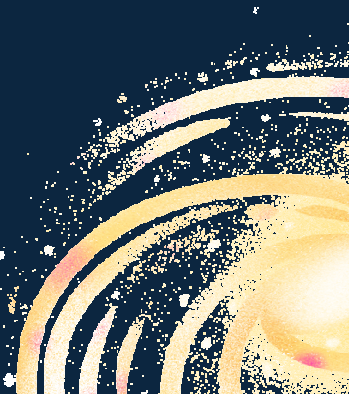
[https://wdc.kugi.kyoto-u.ac.jp/dst\\_realtime/202312/index.html](https://wdc.kugi.kyoto-u.ac.jp/dst_realtime/202312/index.html)



# Kp index



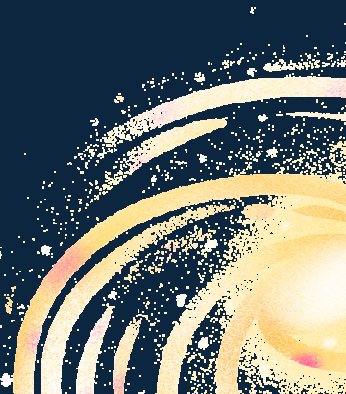
<https://kp.gfz-potsdam.de/en/hp30-hp60/10-days-plot>





**SPACE NEWS**

**12/18~12/24**

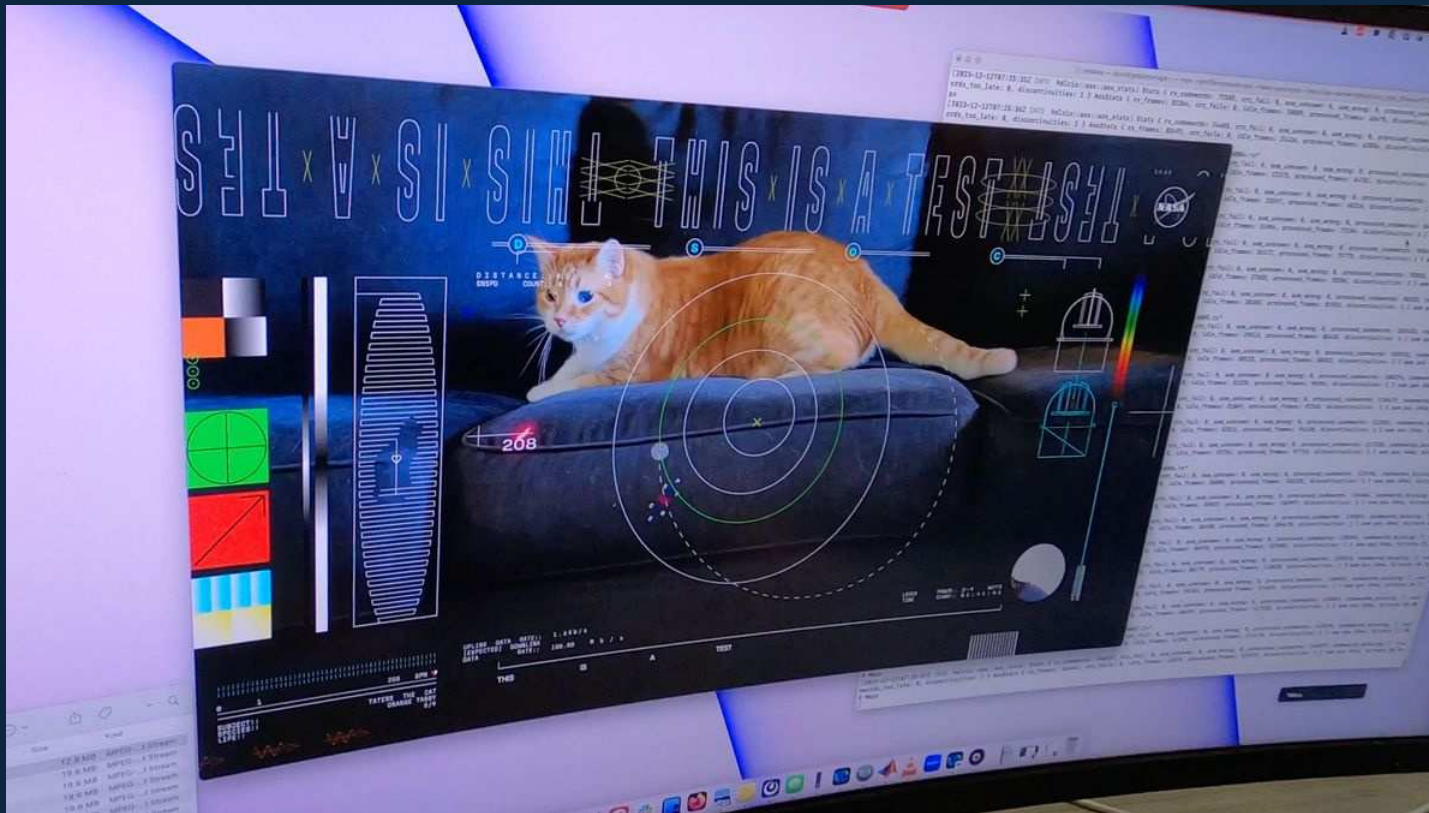


# SPACEX FALCON 9 ROCKET LAUNCHES STARLINK SATELLITES ON RECORD-BREAKING 19TH MISSION



<https://www.space.com/spacex-starlink-launch-group-6-32>

# NASA'S TECH DEMO STREAMS FIRST VIDEO FROM DEEP SPACE VIA LASER

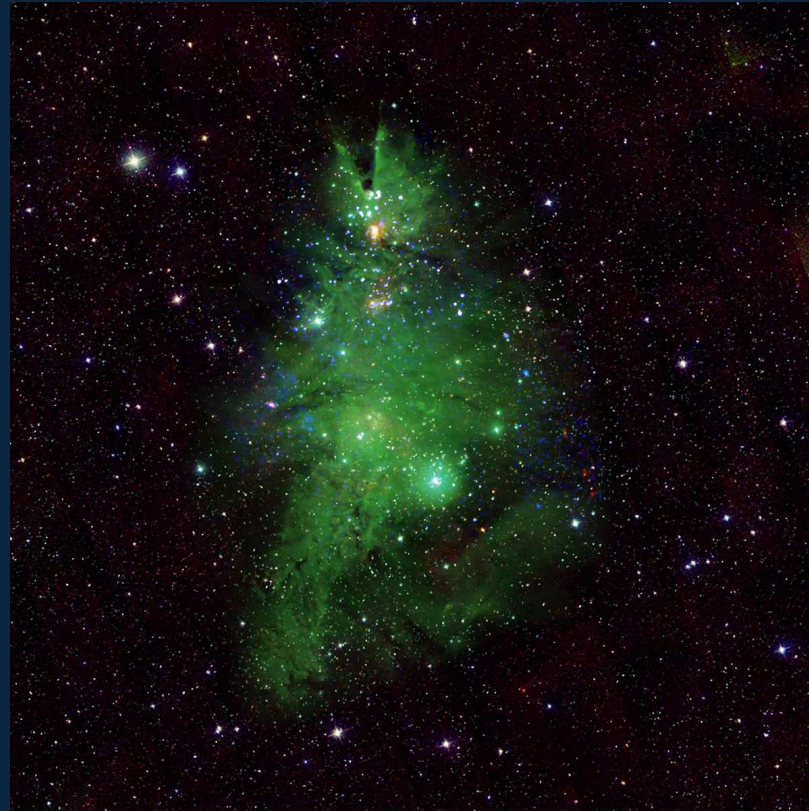


<https://www.jpl.nasa.gov/news/nasas-tech-demo-streams-first-video-from-deep-space-via-laser>

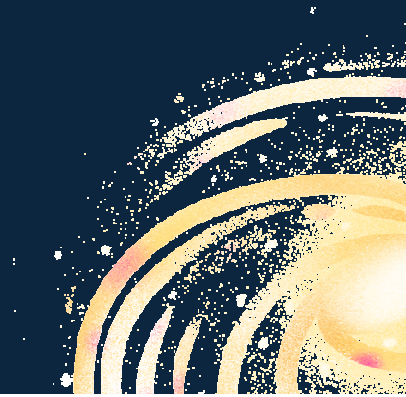




## SPRIGHTLY STARS ILLUMINATE 'CHRISTMAS TREE CLUSTER'



[https://www.nasa.gov/image-article/telescopes-illuminate-christmas-tree-cluster/?utm\\_source=TWITTER&utm\\_medium=NASA&utm\\_campaign=NASASocial&linkId=256113240](https://www.nasa.gov/image-article/telescopes-illuminate-christmas-tree-cluster/?utm_source=TWITTER&utm_medium=NASA&utm_campaign=NASASocial&linkId=256113240)



The background is a dark blue space scene. On the left, a large, grey, cratered moon is partially visible. In the upper right, the planet Saturn is shown with its rings. The bottom right corner features a bright, glowing yellow and orange starburst or nebula. The text "THANKS FOR YOUR LISTENING" is centered in a white, bold, sans-serif font.

THANKS FOR  
YOUR LISTENING

Merry

Christmas

