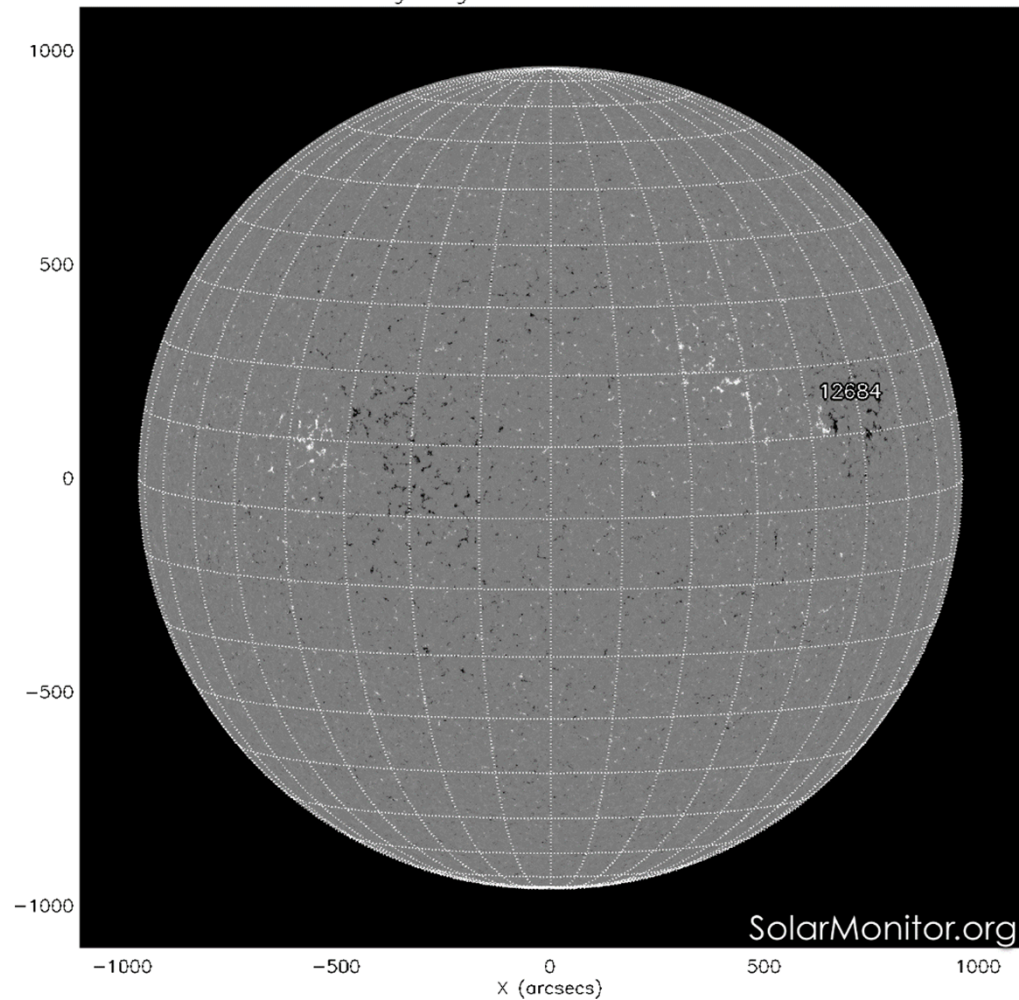


171016-171022值周報告

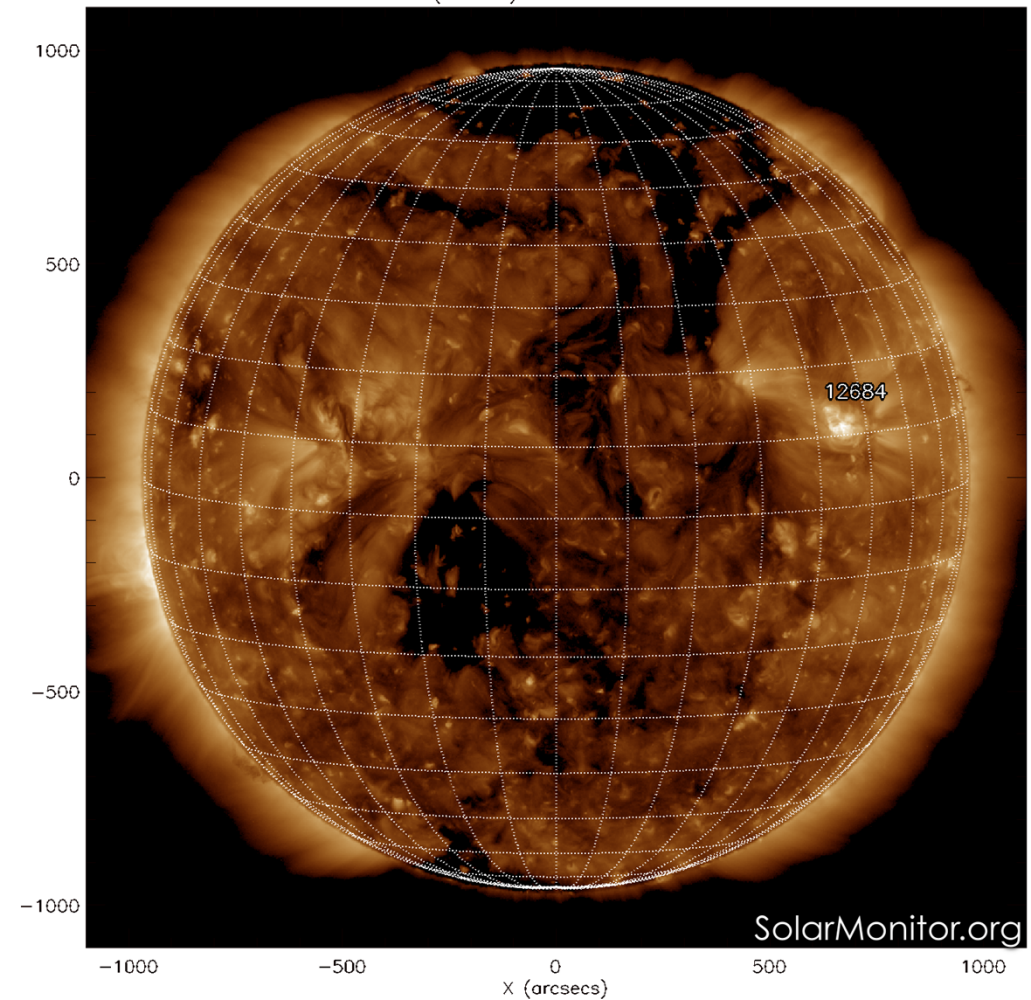
106623009 楊詠淇

Sunspot & Coronal Hole --- Mon. Oct. 16

SDO HMI Magnetogram 16-Oct-2017 22:46:36.300

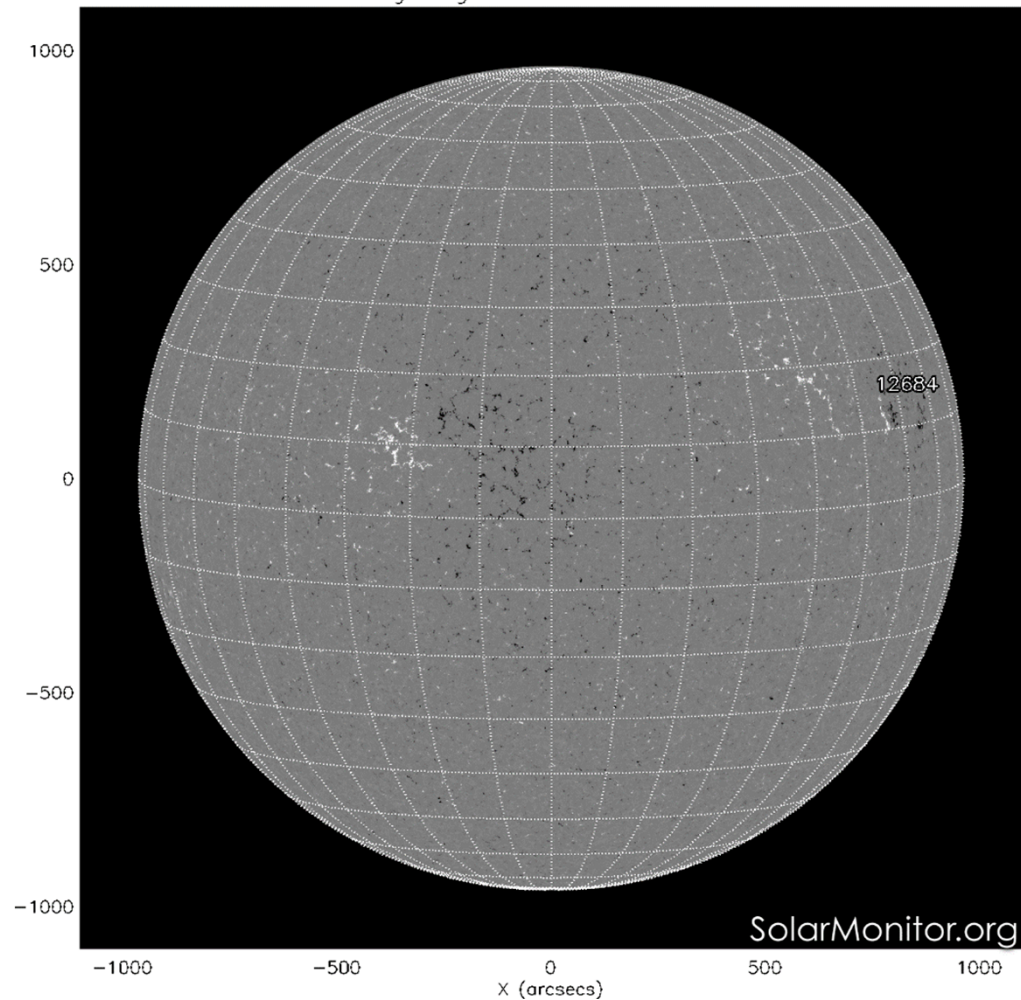


SDO AIA Fe XII (193 Å) 16-Oct-2017 23:24:52.840

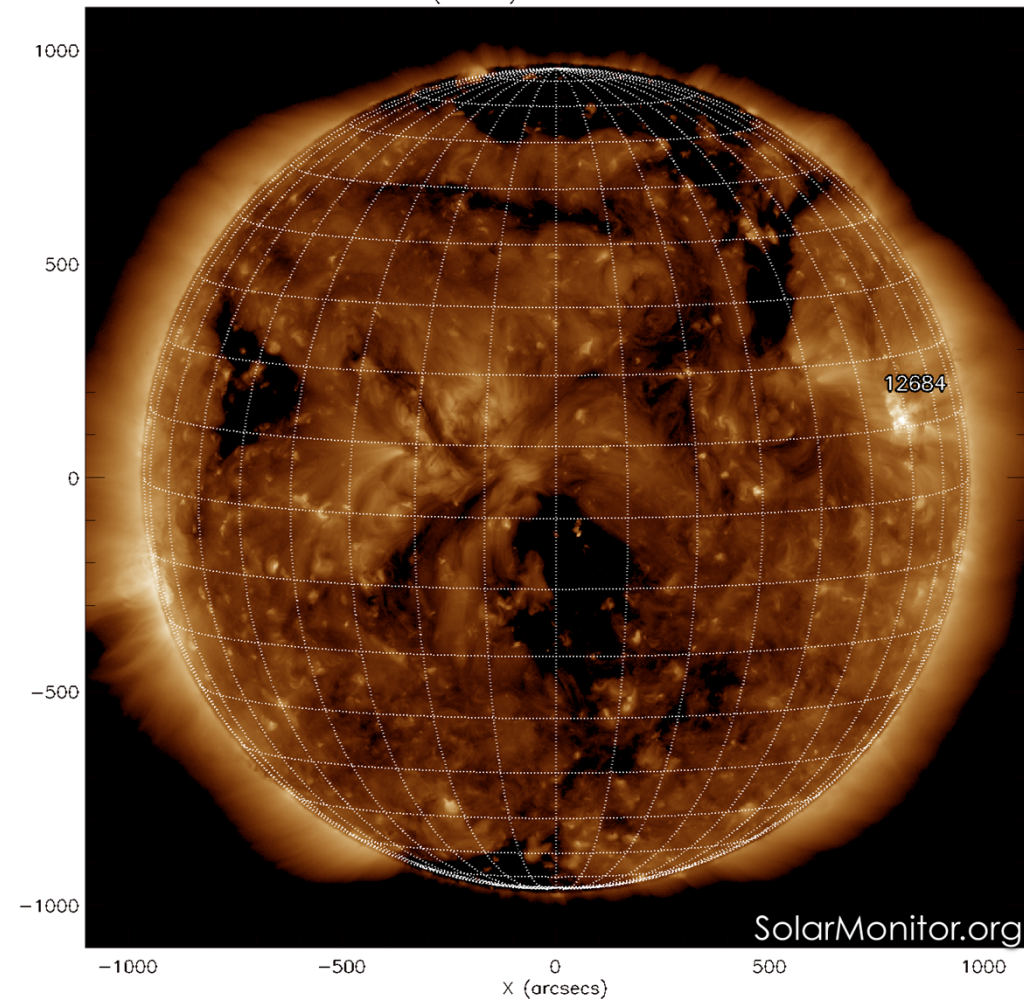


Sunspot & Coronal Hole --- Tue. Oct. 17

SDO HMI Magnetogram 17-Oct-2017 22:34:36.200

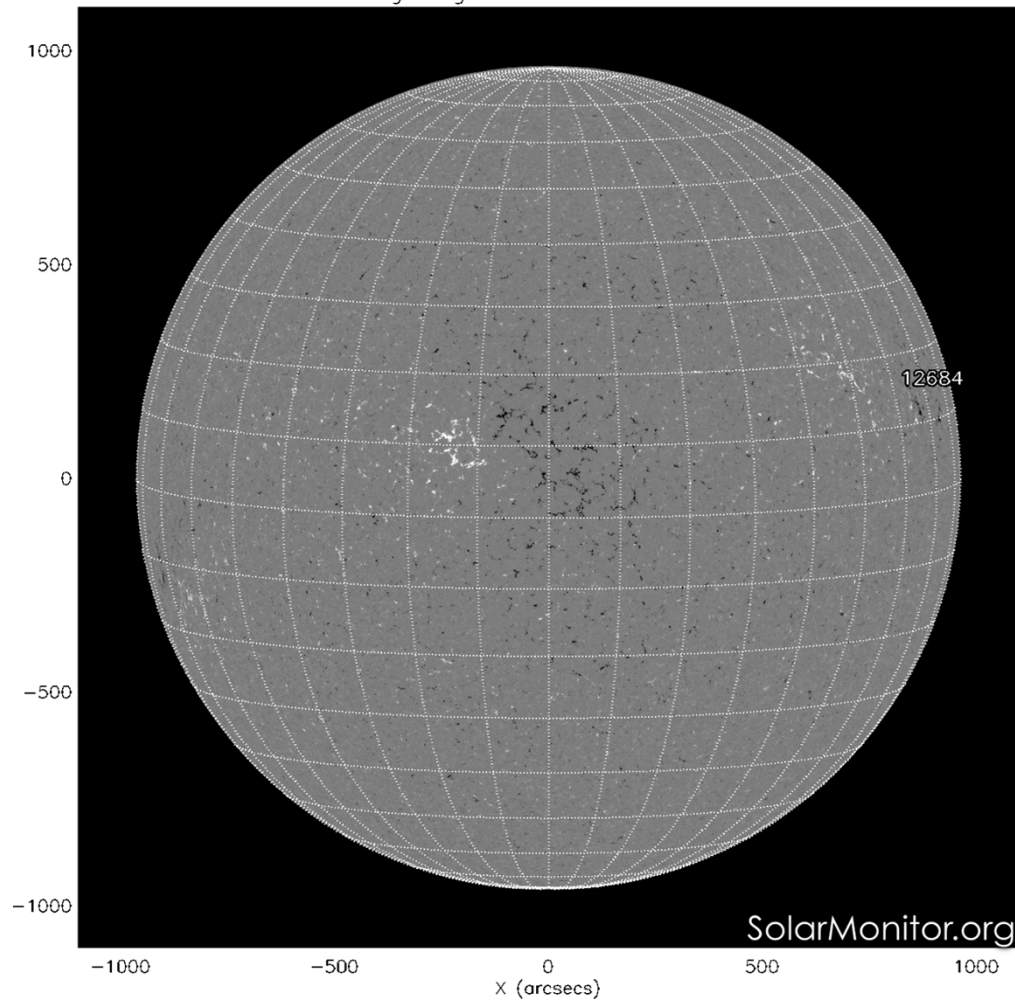


SDO AIA Fe XII (193 Å) 17-Oct-2017 23:27:28.840

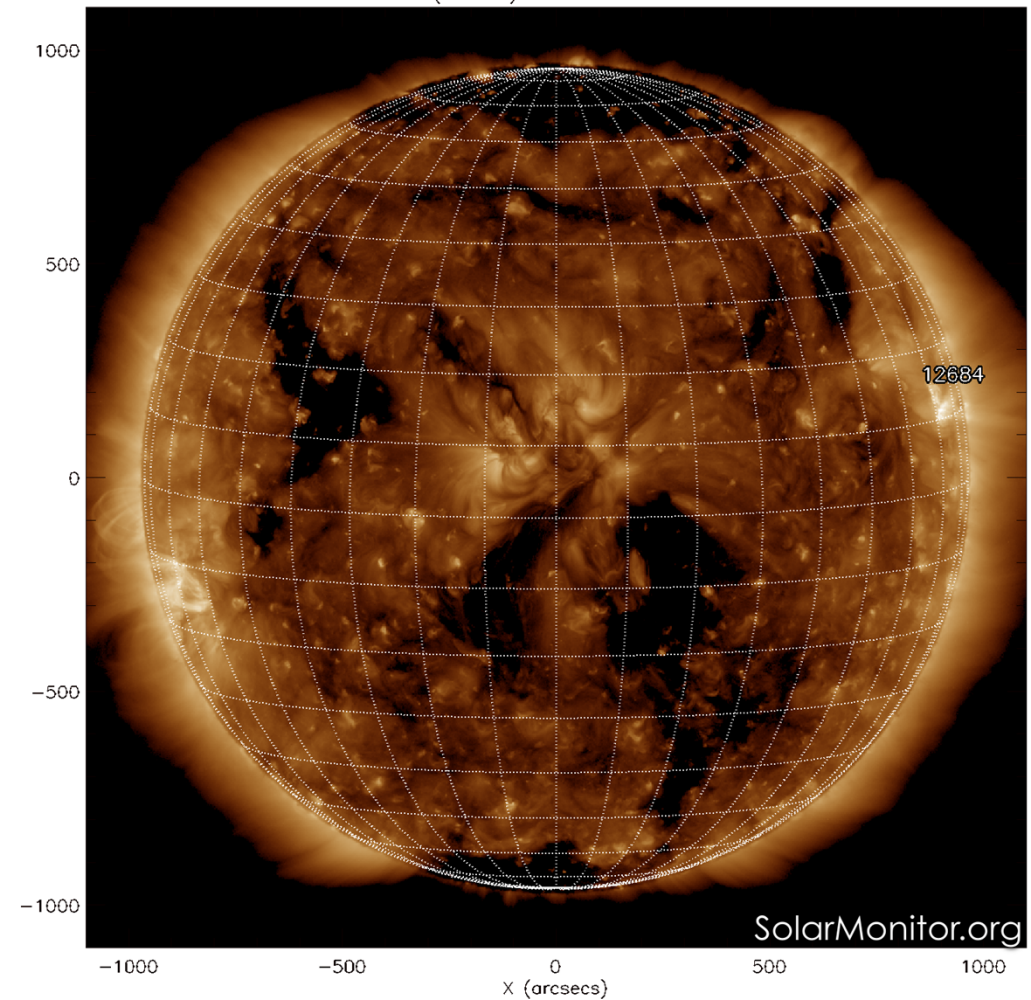


Sunspot & Coronal Hole --- Wed. Oct. 18

SDO HMI Magnetogram 18-Oct-2017 14:34:36.000

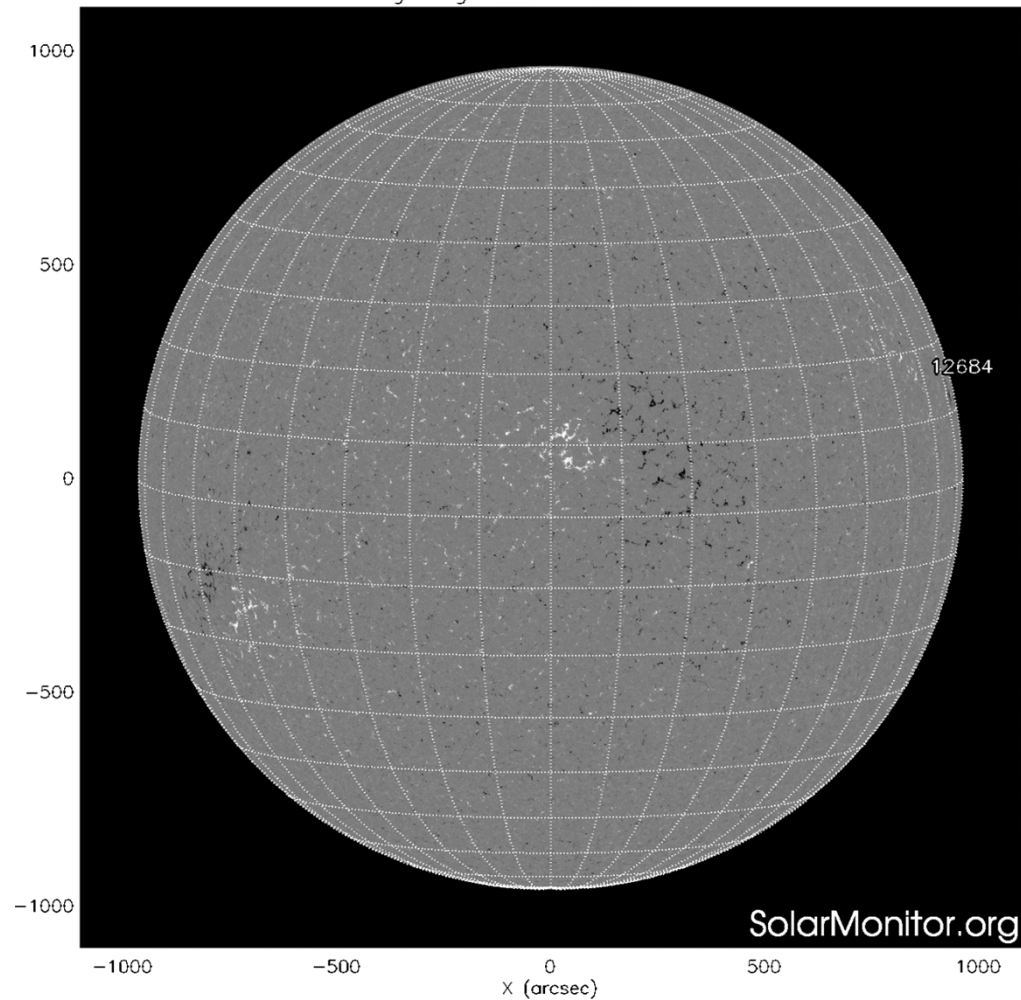


SDO AIA Fe XII (193 Å) 18-Oct-2017 23:24:40.840

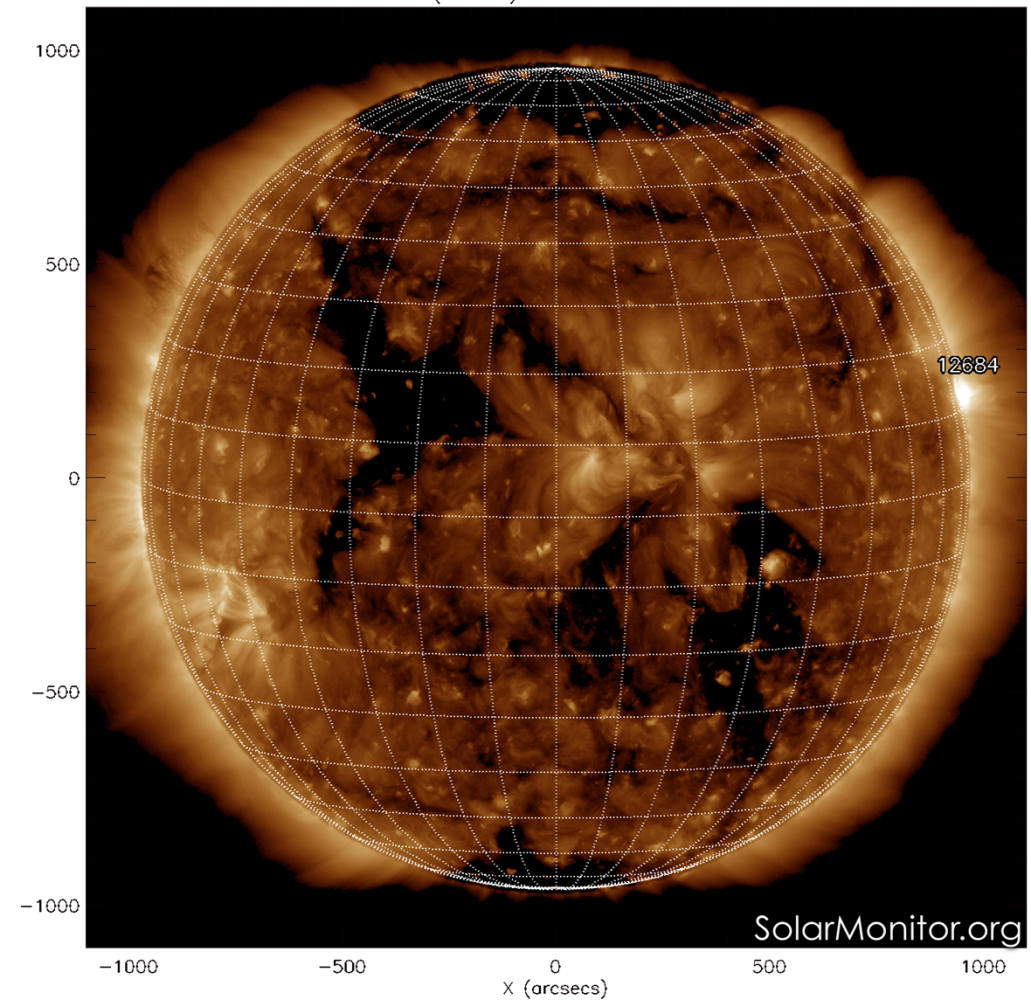


Sunspot & Coronal Hole --- Thu. Oct. 19

SDO HMI Magnetogram 19-Oct-2017 18:34:35.800

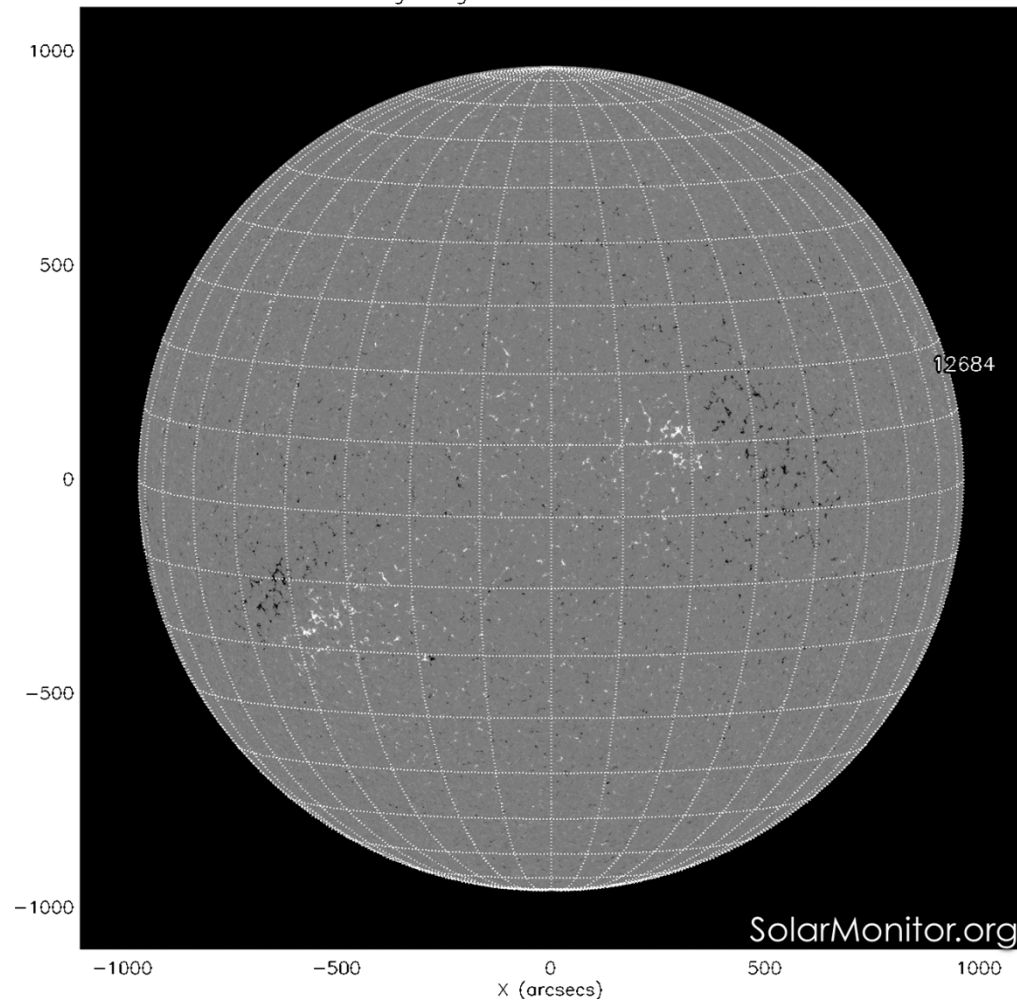


SDO AIA Fe XII (193 Å) 19-Oct-2017 23:24:28.840

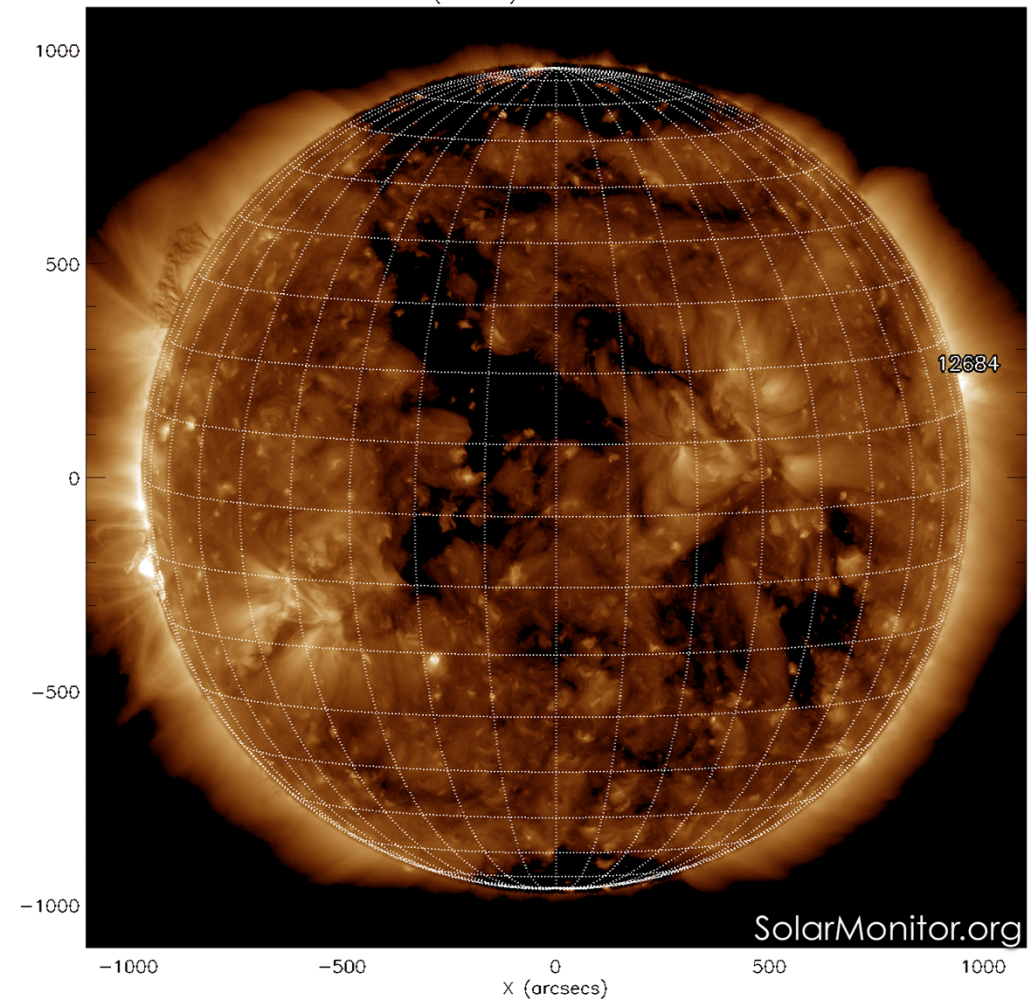


Sunspot & Coronal Hole --- Fri. Oct. 20

SDO HMI Magnetogram 20-Oct-2017 22:46:35.700

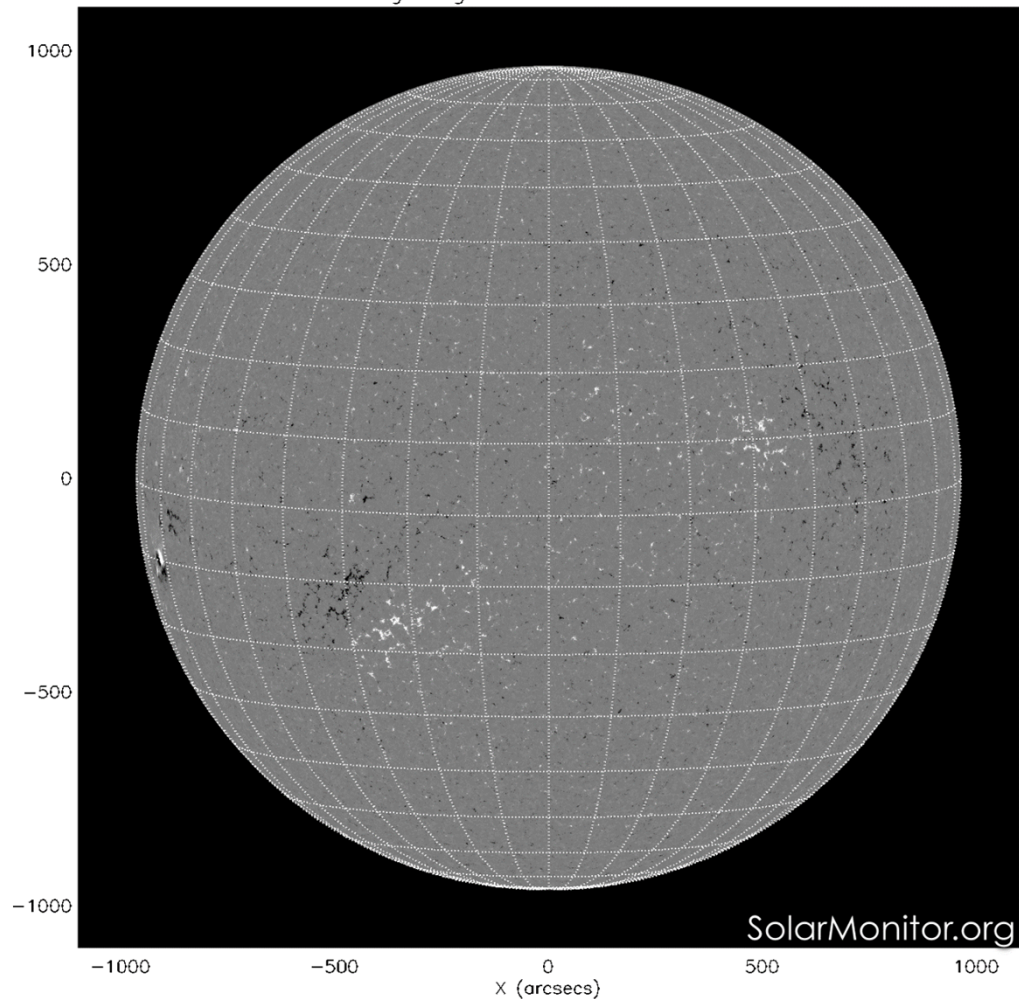


SDO AIA Fe XII (193 Å) 20-Oct-2017 23:23:52.840

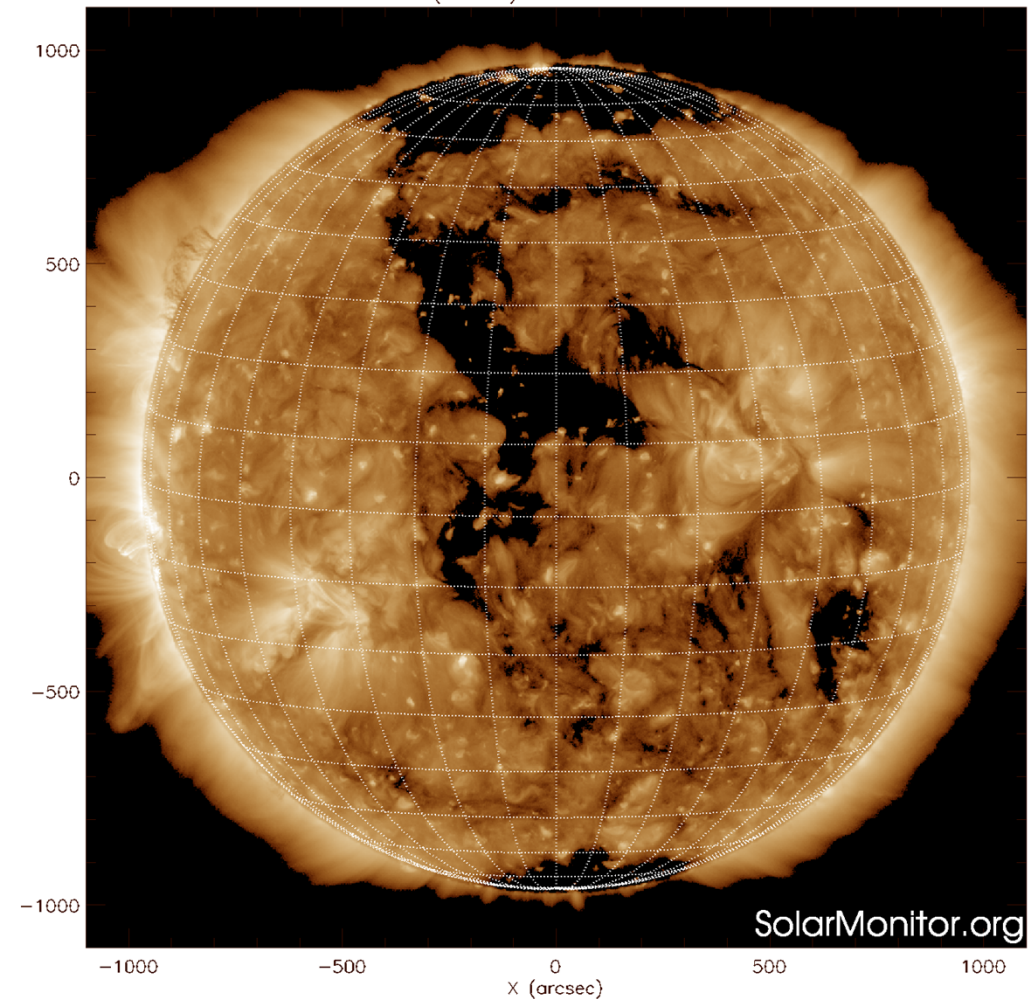


Sunspot & Coronal Hole --- Sat. Oct. 21

SDO HMI Magnetogram 21-Oct-2017 22:34:35.600

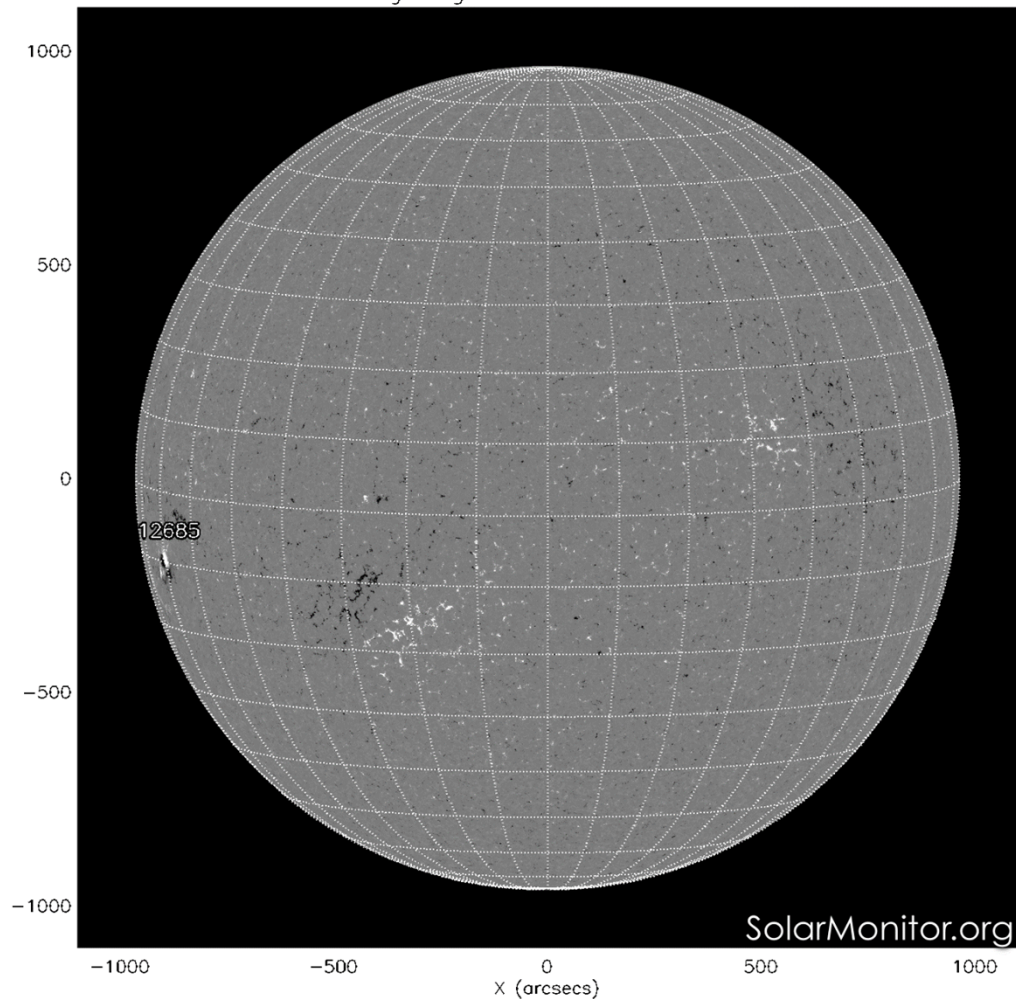


SDO AIA Fe XII (193 Å) 21-Oct-2017 07:24:16.840

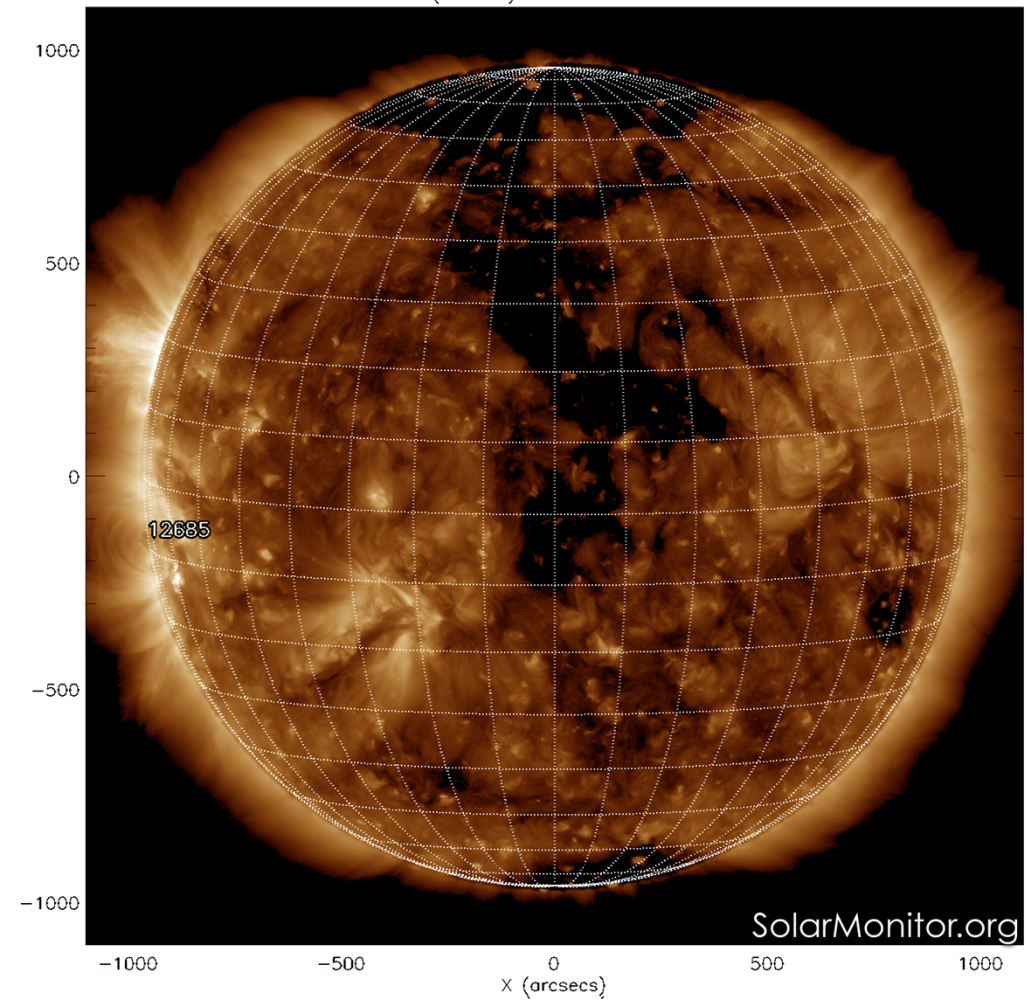


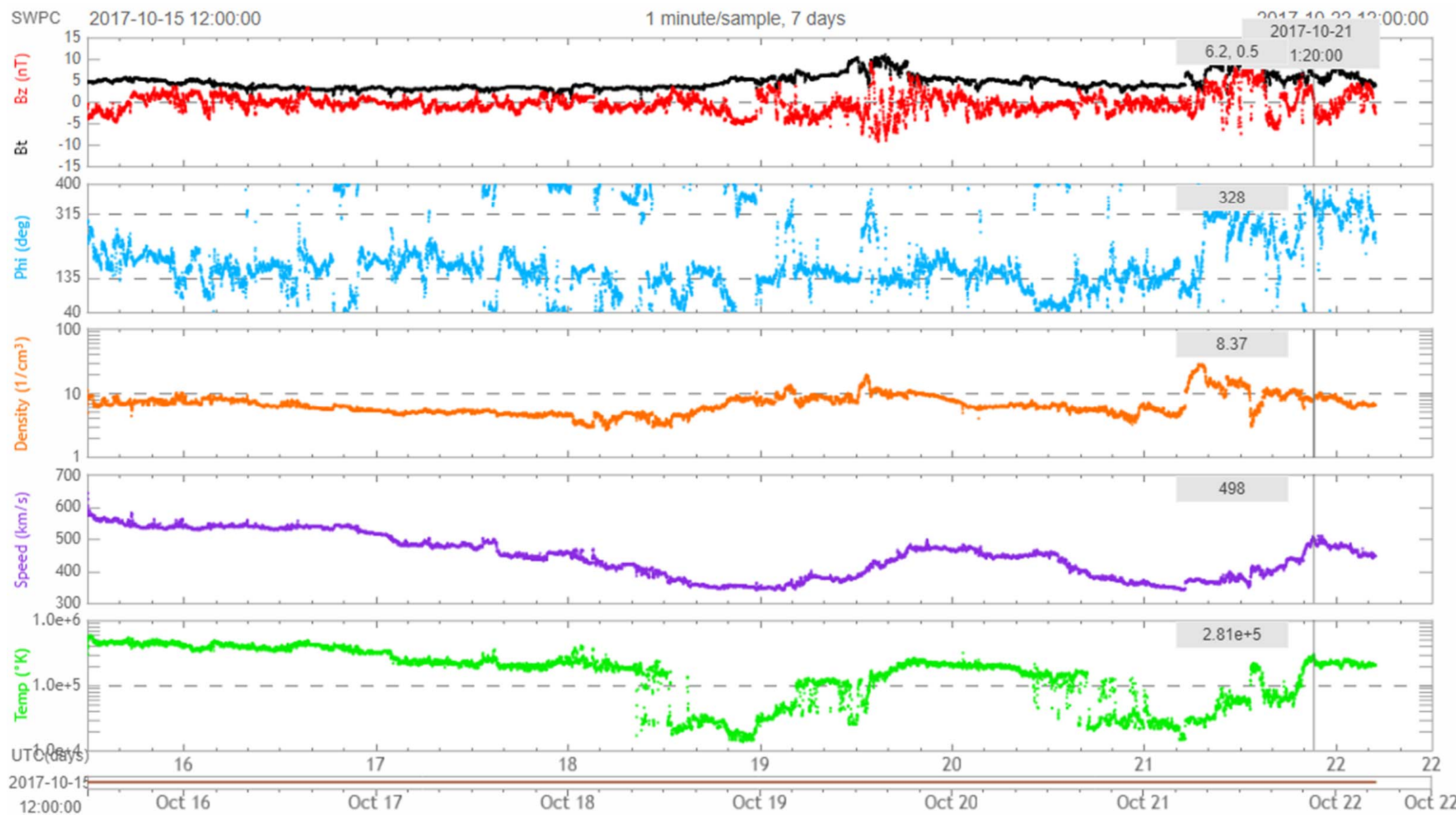
Sunspot & Coronal Hole --- Sun. Oct. 22

SDO HMI Magnetogram 22-Oct-2017 02:34:35.700



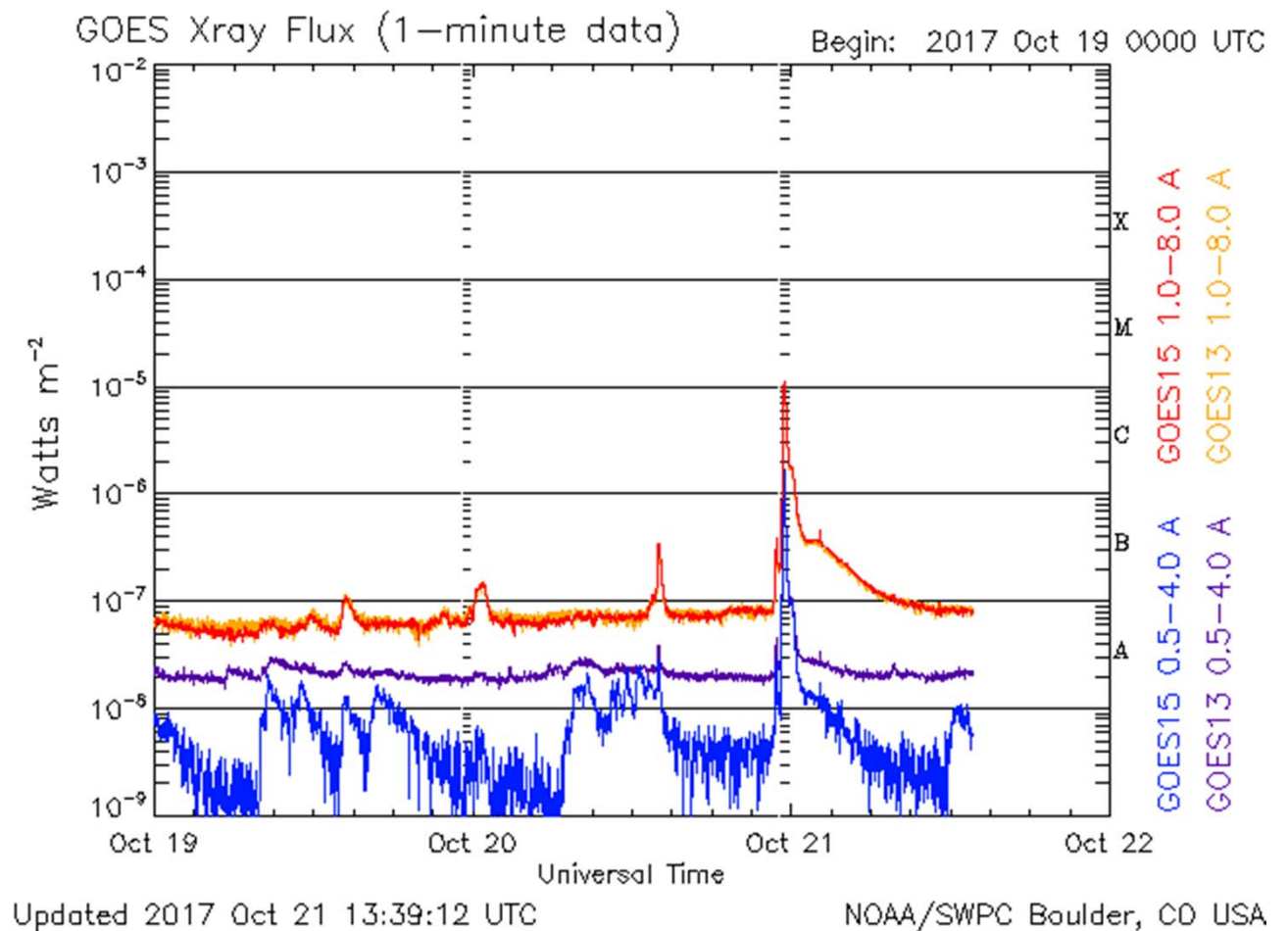
SDO AIA Fe XII (193 Å) 22-Oct-2017 03:24:40.840



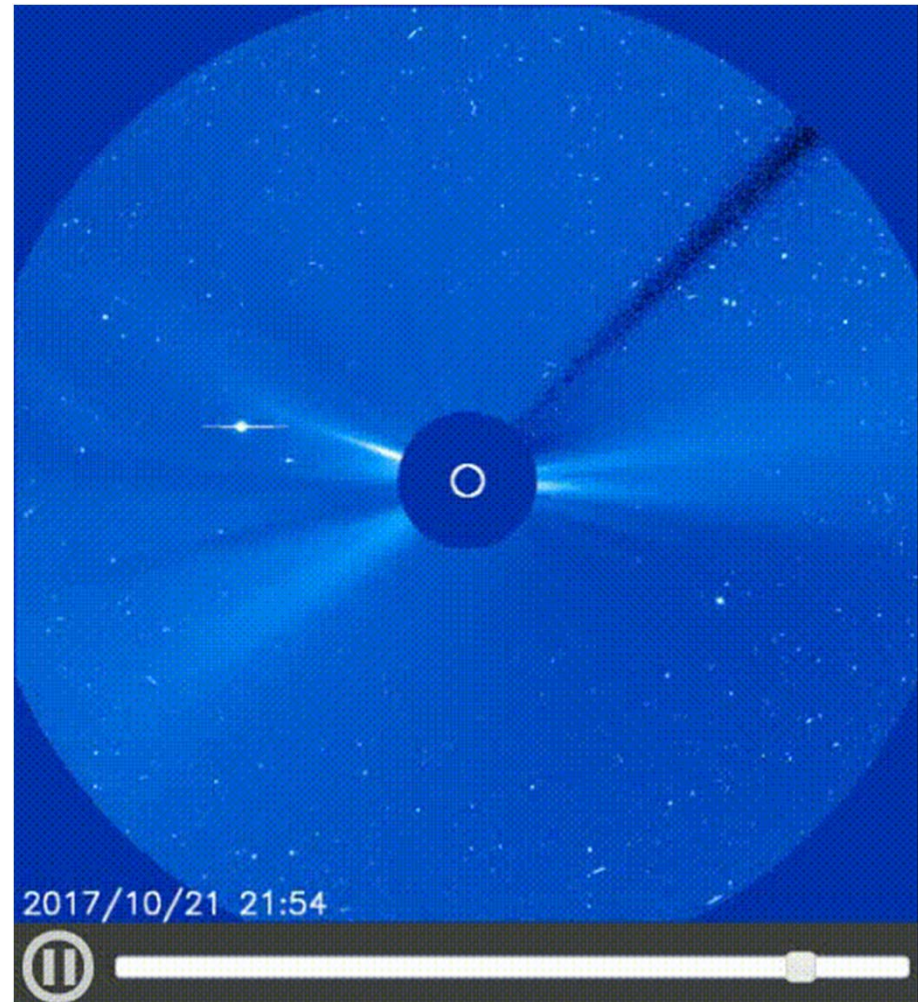


Solar Flare

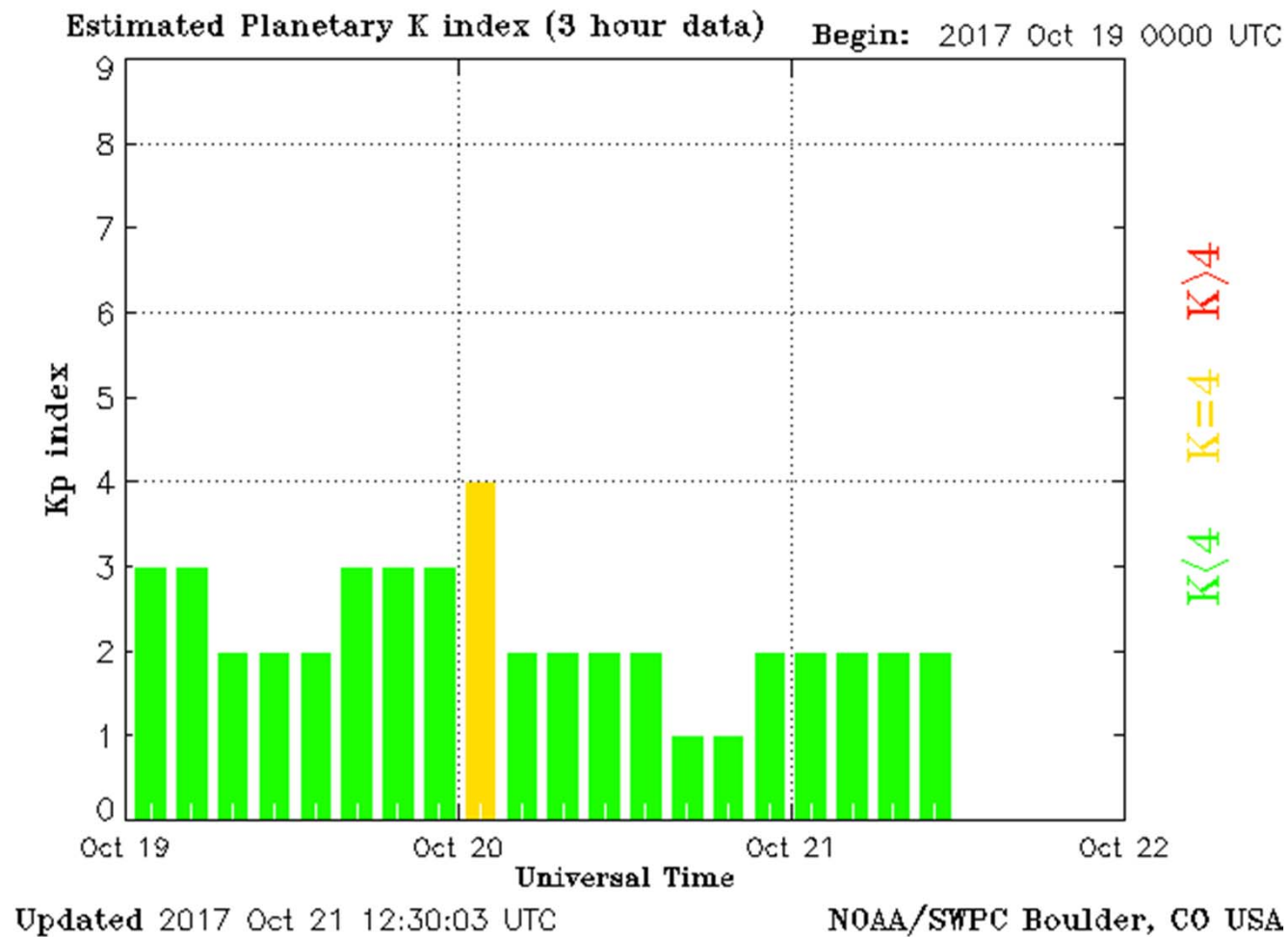
- 20-Oct-2017 **M1.1**
start time: 23:10
peak time: 23:28
end time: 23:37



CME



Kp Index



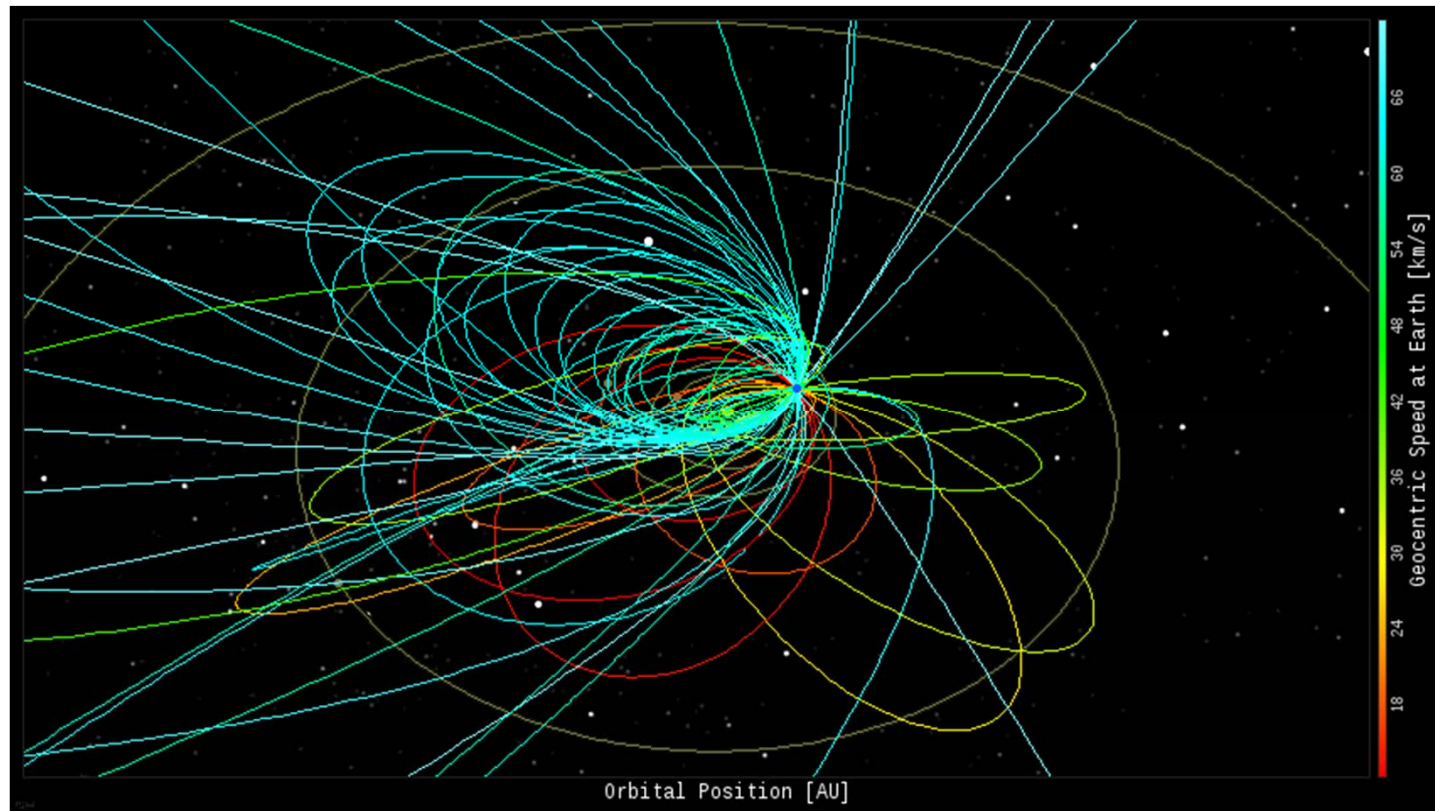
“Auroras Everywhere!”

- *"There were auroras in the sky, auroras on the water, auroras everywhere!"* says photographer Markus Varik.
- An **uptick** in the solar wind speed on **Oct. 19th** was just enough to unsettle our planet's magnetic field.



Orion Meteor Shower

- On Oct. 20, 2017, the network reported **80** fireballs.



slow (red) to fast (blue)

References

- spaceweather.com
- SPACE WEATHER PREDICTION CENTER
- Solar Monitor

- NOAA forecasters say there is a 45% chance of polar geomagnetic storms on **Oct. 21-22** when a new solar wind stream arrives.
- , igniting bright auroras around the Arctic Circle. In Tromsø, Norway

