



Solar - WSA-ENLIL

EMC (<https://ccmc.gsfc.nasa.gov/donki/>):

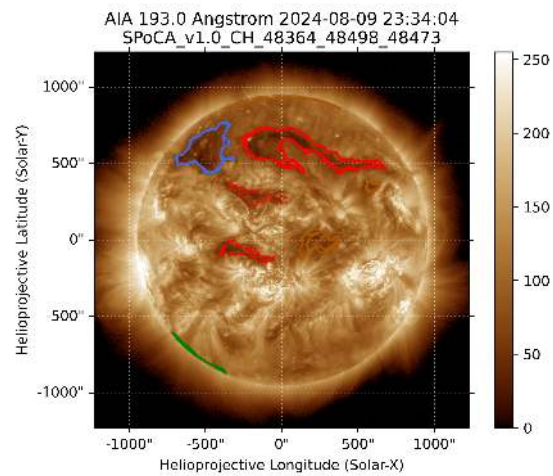
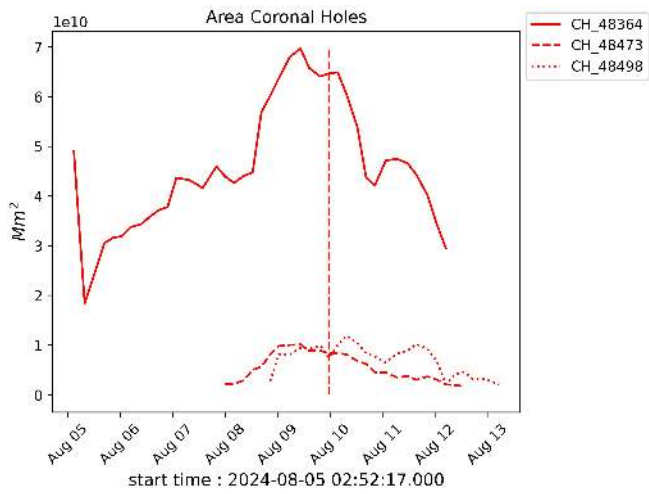
WSA-ENLIL(CME 2024-08-10 03:12:00 UT)

The simulation results indicate that the flank of CME will reach the DSCOVR mission between 2024-08-12 21:00:00 UT and 2024-08-13 11:00:00 UT.

WSA-ENLIL(CME 2024-08-14 08:23:00 UT)

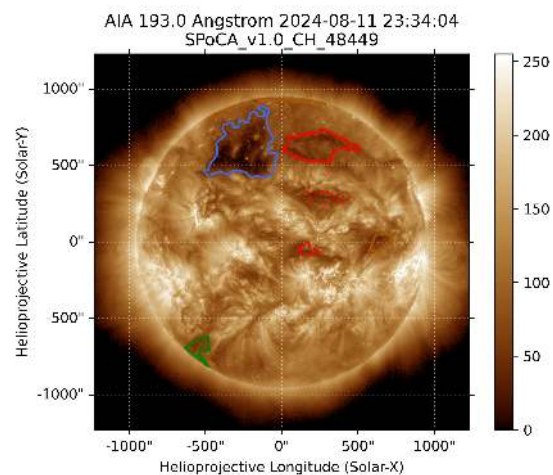
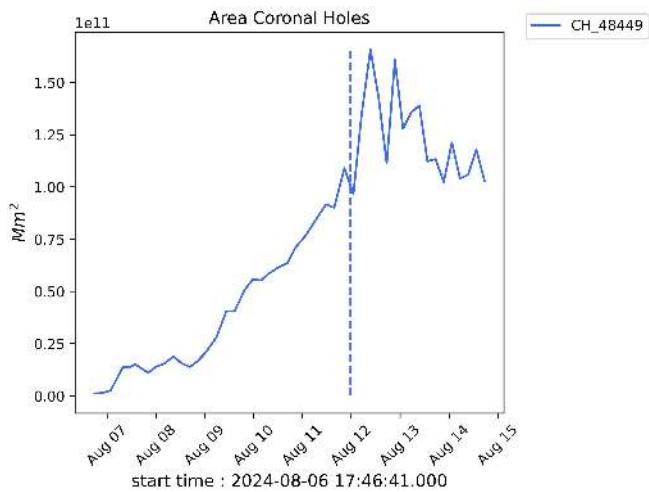
The simulation results indicate that the flank of CME will reach the DSCOVR mission between 2024-08-16 22:10:00 UT and 2024-08-17 12:10:00 UT.

Solar - Coronal holes Spatial Possibilistic Clustering Algorithm (SPoCAS):



(a) The solid black line depicts the products of the sum of areas for each detection interval performed by SPOCA between August 05 and 14, 2024.

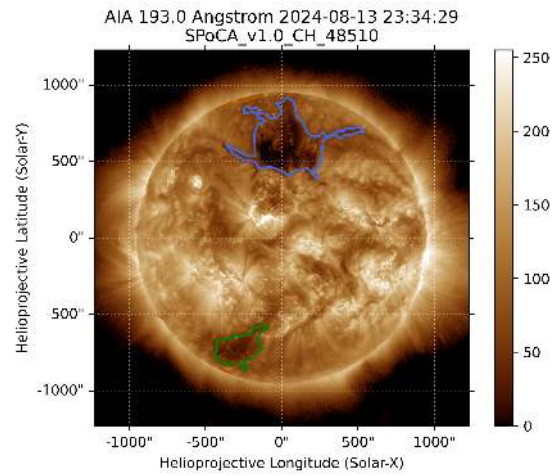
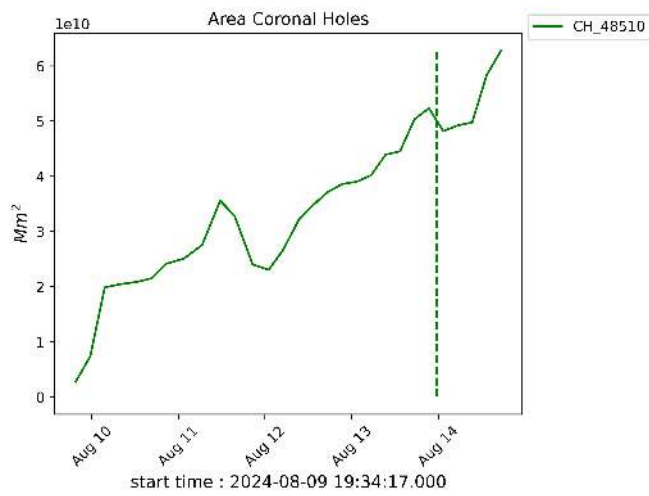
(b) Above the 193 Å image of the Sun are highlighted coronal holes observed by SPOCA around 23:34 UT on August 09, 2024 (red dot line).



(a) The solid black line depicts the products of the sum of areas for each detection interval performed by SPOCA between August 05 and 14, 2024.

(b) Above the 193 Å image of the Sun are highlighted coronal holes observed by SPOCA around 23:34 UT on August 11, 2024 (blue dot line).

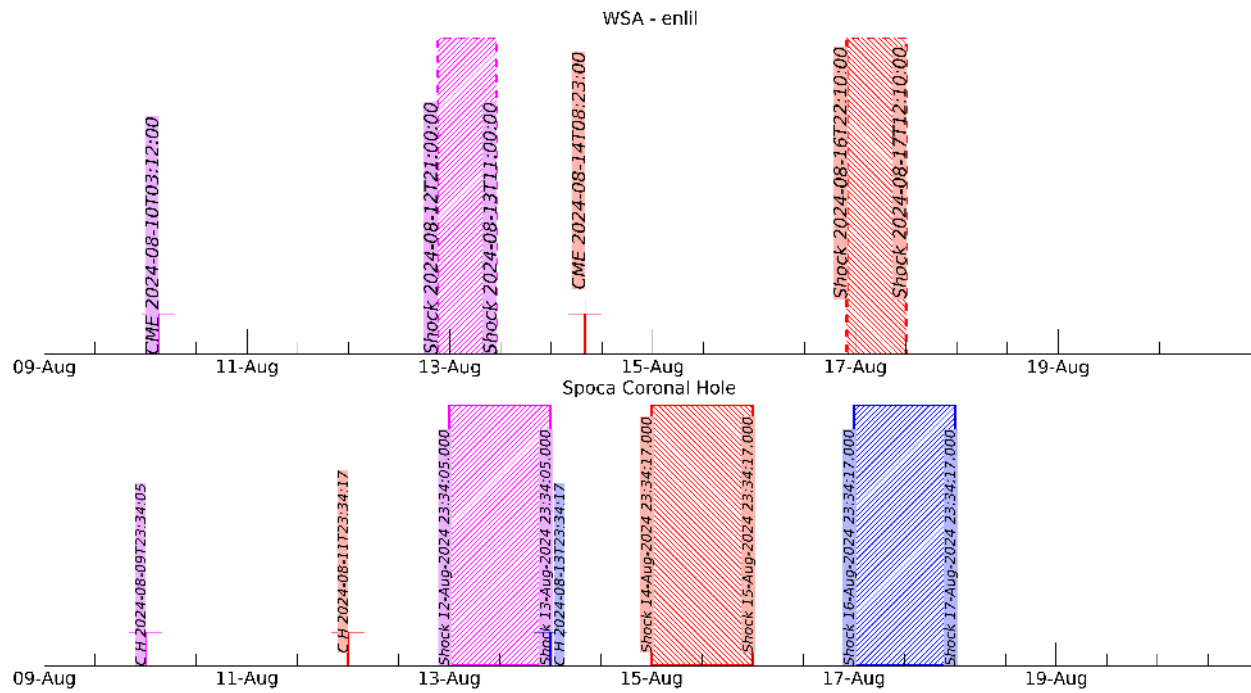
Solar - Coronal holes Spatial Possibilistic Clustering Algorithm (SPoCAS):



(a) The solid black line depicts the products of the sum of areas for each detection interval performed by SPOCA between August 05 and 14, 2024.

(b) Above the 193 Å image of the Sun are highlighted coronal holes observed by SPOCA around 23:34 UT on August 13, 2024 (magenta dot line).

Solar - WSA - ENLIL and SPoCA



Ionosphere – Digisonde (Laysa Resende)

Summary

We observed the Spread-F over São Luís and Cachoeira Paulista in this week. Also, we observe the auroral trace of the Es layer (Esa) between 13th August and 17th August, indicating the particle precipitation mechanism (Figure 1).

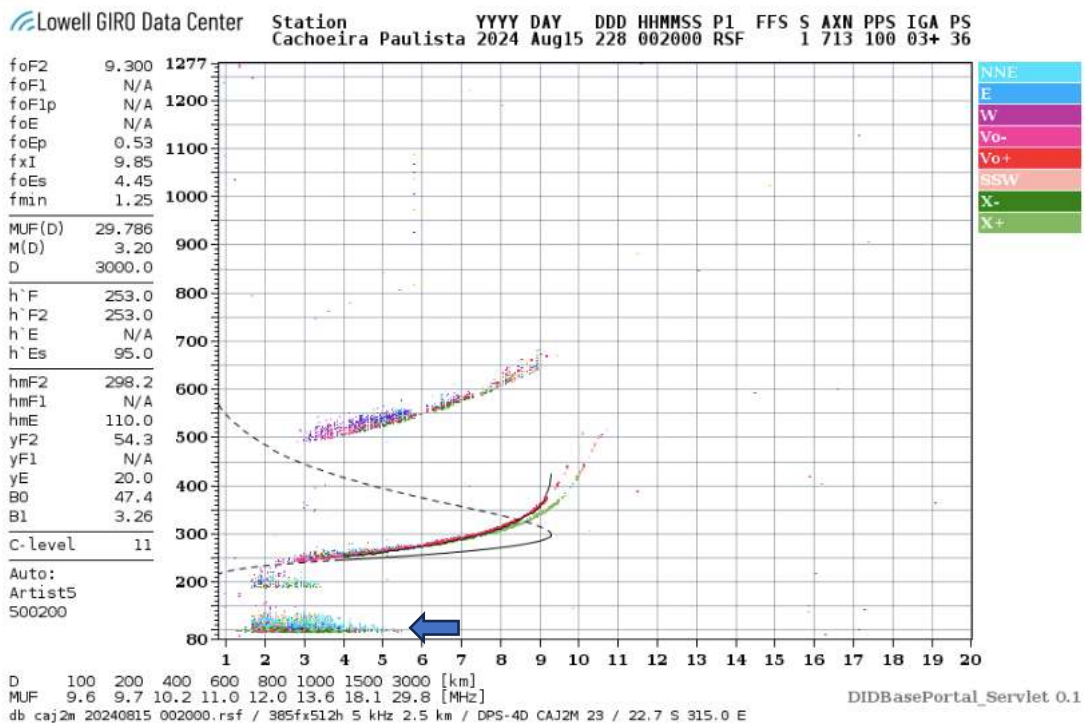


Figure 1 – Ionogram over Cachoeira Paulista, showing the Esa layer..

Ionosphere - ROTI Summary for Week 2327 (August 11 to 17, 2024)

Carolina de Sousa do Carmo

In the week 2327 (August 11 to 17, 2024), long-lasting ionospheric irregularities, (plasma bubbles), were observed on August 12 at Boa Vista, Cuiabá, and Cachoeira Paulista. There are irregularities on other days as shown in the Figure. The Figure below shows the ROTI time series for four stations in the Brazilian sector (Boa Vista (BOAV), Natal (RNNA), Cuiabá (CUIB), and Cachoeira Paulista (CHPI)).

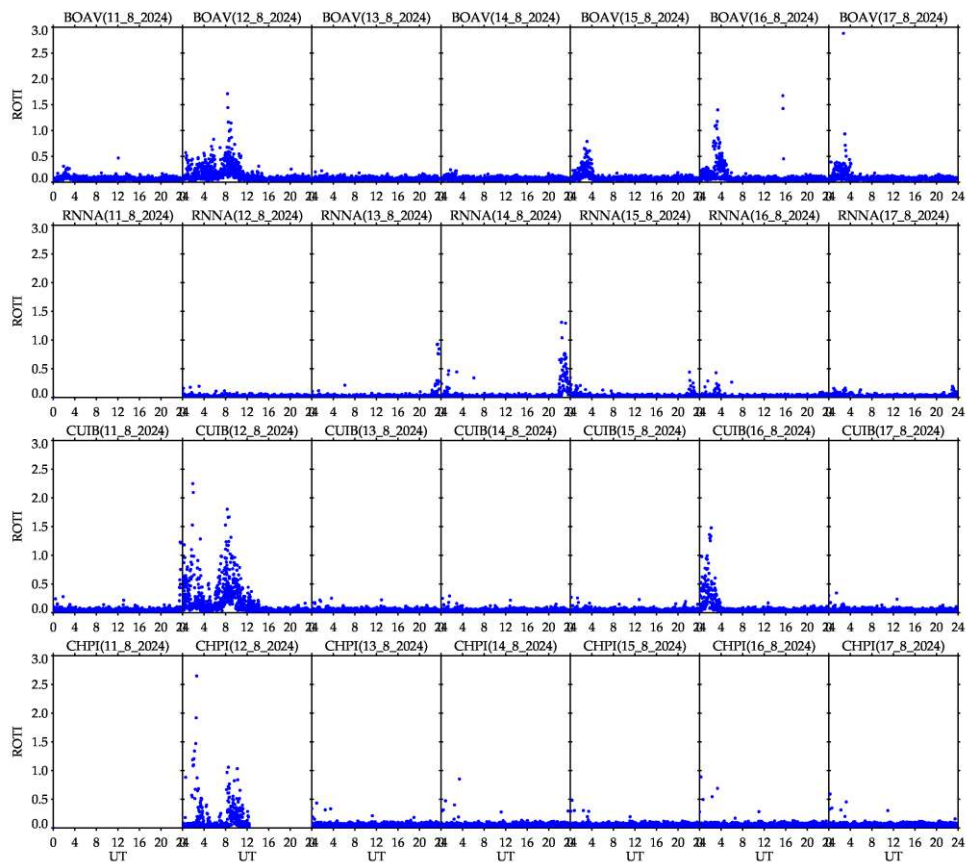


Figure – ROTI time series for four stations in the Brazilian sector (Boa Vista (BOAV), Natal (RNNA), Cuiabá (CUIB), and Cachoeira Paulista (CHPI)), from August 11 to 17, 2024.