

CCMC DONKI Dashboard

Visual display of the space weather events from the M2M-SWAO catalog in DONKI system, incorporating relevant real-time observational data.

- <https://kauai.ccmc.gsfc.nasa.gov/DONKI-dashboard>
- Event types:
 - HSS: High Speed Stream
 - FLR: Solar Flare (all M and X class flares)
 - CME: Coronal Mass Ejection (all CMEs with speed > 500 km/s)
 - SEP: Solar Energetic Particle
 - IPS: Interplanetary Shock
 - MPC: Magnetopause Crossing
 - RBE: Radiation Belt Enhancement
 - GST: Geomagnetic Storm

SCAN ME



Potential Users: M2M-SWAO and other forecasters, researchers, educators, space weather enthusiasts, etc.

See all DONKI events in the M2M Catalog



Community Coordinated
Modeling Center



DONKI Dashboard

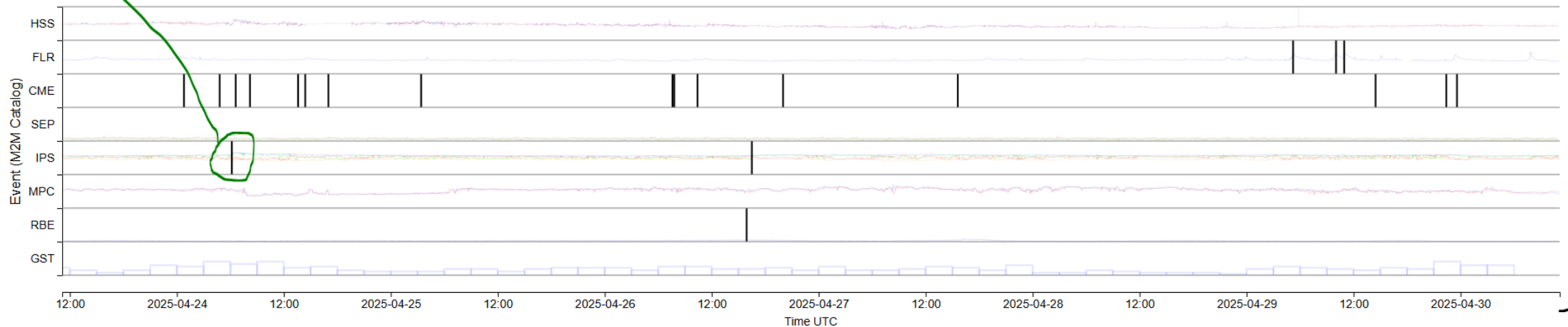
2025-04-23 11:07:40 ~ 2025-04-30 11:07:40



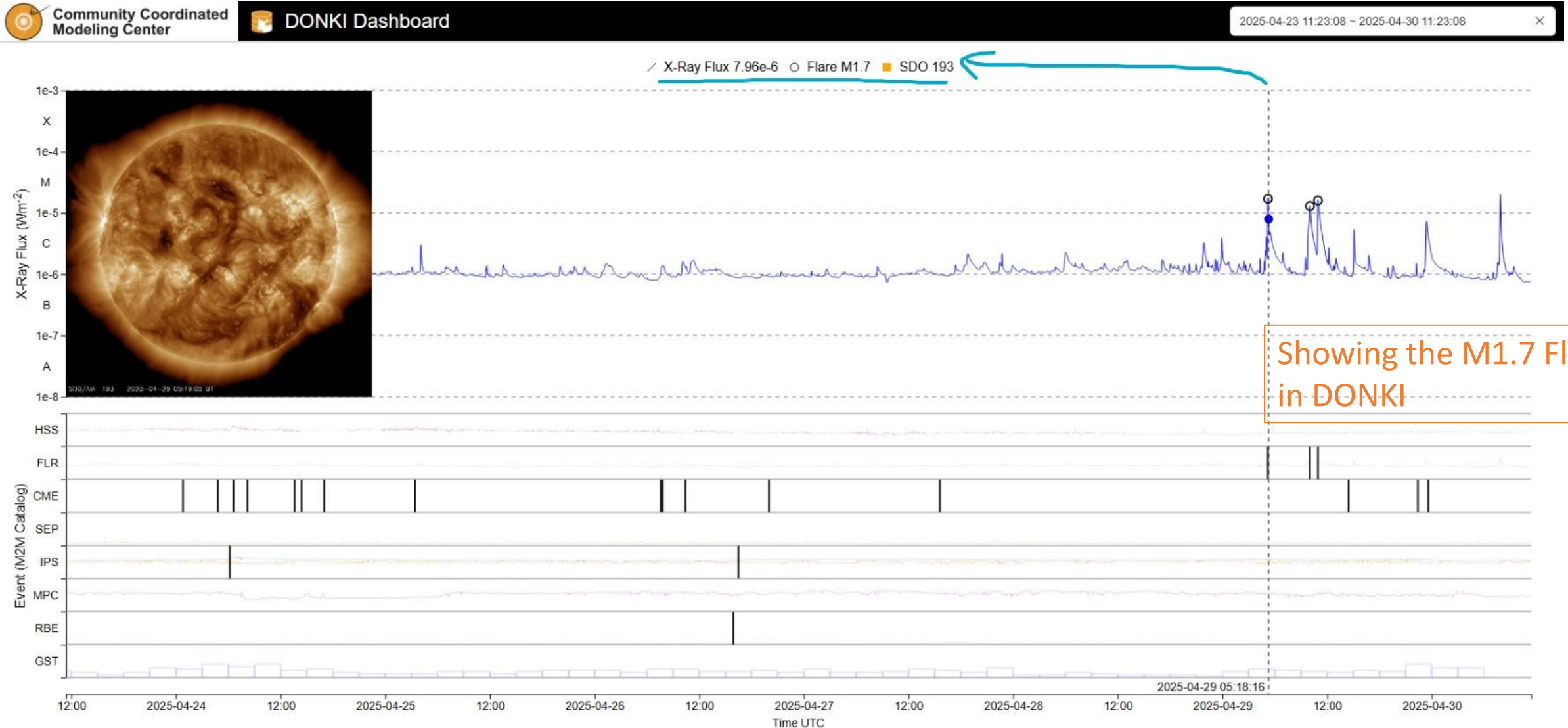
Custom option to go back in time
Default is set to latest 7-day

Each line is an event in DONK
Click on it to view the event in DONKI

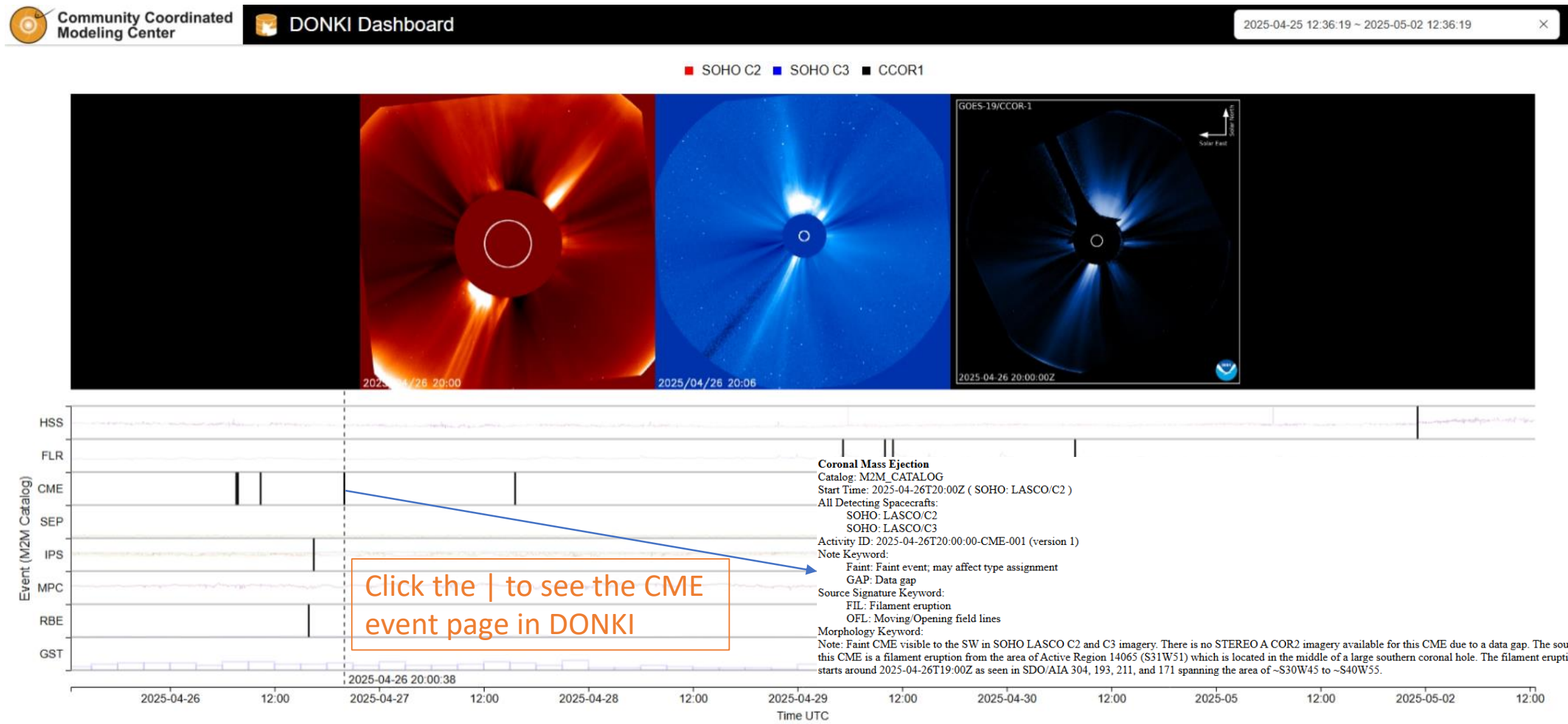
Hover over timeline track to display data.



The Flare (FLR) track: the top section shows GOES-P X-ray flux and SDO images on hover



The CME track: the top section shows coronagraphs from SOHO and GOES-19



The Magnetopause Crossing (MPC) track: the top section shows SWMF 2014 and SWMF 2023 real-time runs output

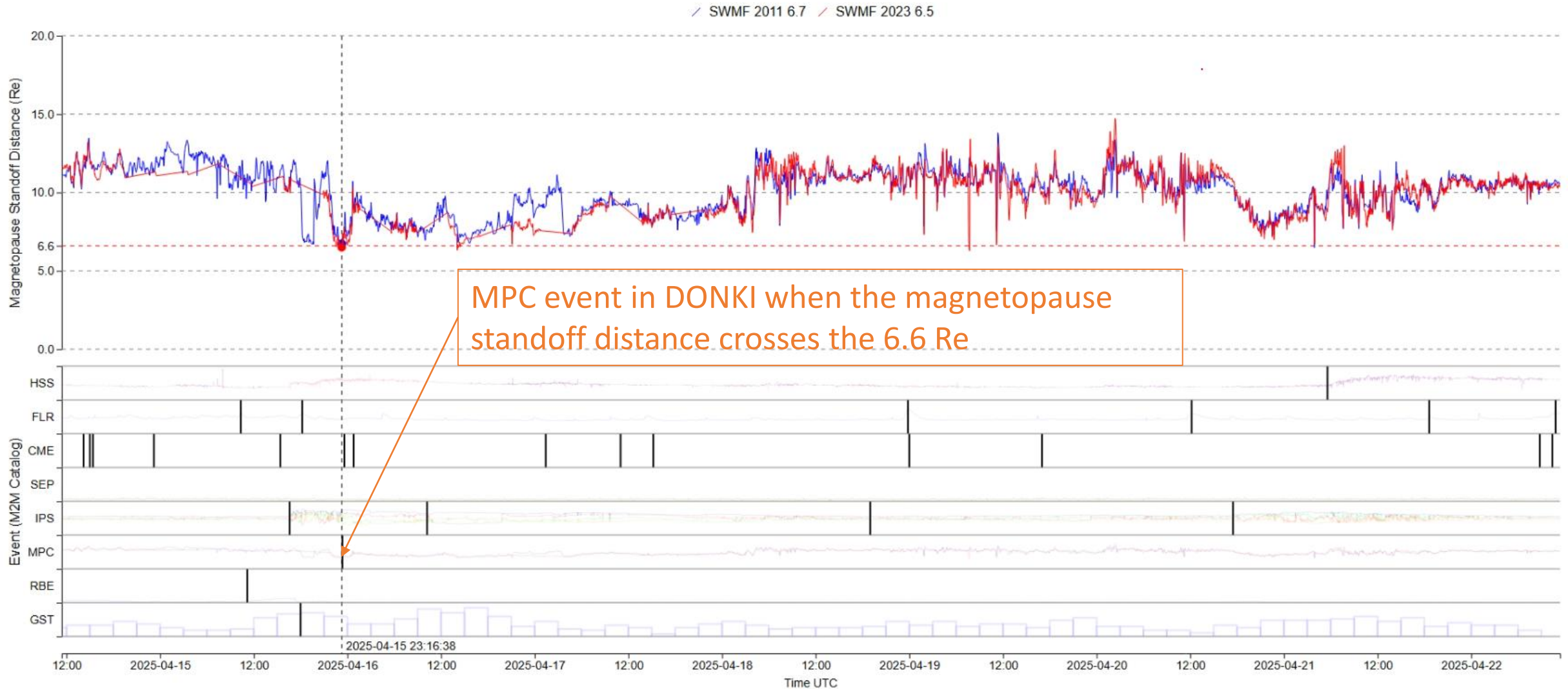


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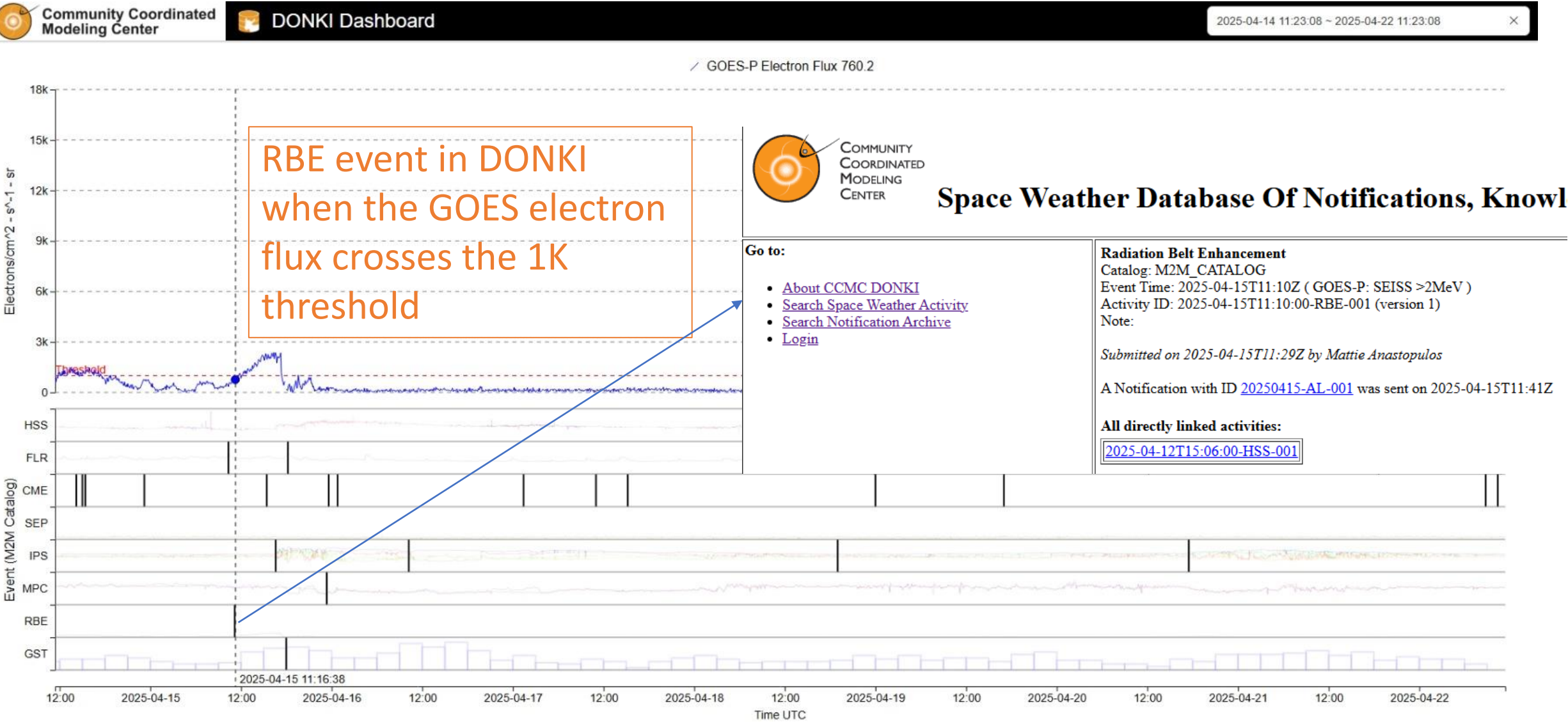


DONKI Dashboard

2025-04-14 11:23:08 ~ 2025-04-22 11:23:08



The Radiation Belt Enhancement (RBE) track: the top section shows GOES-P Electron Flux with threshold set at 1K



The Geomagnetic Storm (GST) track: the top section shows NOAA observed 3-hourly Kp index

