

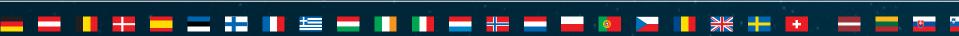
# **SOOP Coordinators Feedback meeting (LTP15)**

Miho Janvier

→ THE EUROPEAN SPACE AGENCY

27/08/2023

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# Schedule of the meeting



14:00	Start of Meeting	
15 min (14:00-14:15)	Welcome & scope of meeting	M. Janvier
60 min (14:15-15:15)	SOOP Presentations (see below) + short questions	SOOP Coordinators
15 min	coffee break	
50 min (15:30-16:20)	SOOP Presentations (see below)	SOOP Coordinators
10 min (16:20-16:30)	Sun's activity during LTP15	All
30 min	Q/A, discussions	
17:00	End of Day	

#### **SOOP Presentations**

#### **Part 1:**

J. Schou: Full Disk Helioseismology

A. Giunta, D. Berghmans: Full Disk Mosaic

C. Sasso: Eruption Watch

A. Giunta, T. Grundy: Composition vs Height

A. To: Composition Mosaic
A. Zukhov: PSP Quadrature

V. Andretta: Density Fluctuations R. Susino: CH Boundary expansion

#### **Part 2:**

L. Franci, S. Mzerguat, C. Froment: Fast wind connection

D. Ryan, A. Inglis: Major flareD. Ryan, A. Tapia: RS Bursts

C. Sasso, K. Barczynski: Solar Eclipse

A. Fludra: Sunspost oscillations

# WHY this meeting?



#### **SCIENCE**

- Are the observations made adequate to address a given SOOP science objectives?
- What are the first/preliminary science outcomes from the SOOPs?
- What worked? What didn't?

### WHY this meeting?



#### **SCIENCE**

- Are the observations made adequate to address a given SOOP's science objectives?
- What are the first/preliminary science outcomes from the SOOPs?
- What worked? What didn't?
- Expected feedback from this meeting:
  - ❖ Make sure future SOOP instances have the right support to run for best outcome
  - What to expect for the next round of RSWs? (Some SOOPs repeated in future LTPs)
  - Decision to be made by the SWT in 2 weeks for LTP-21: inputs will help decisions (e.g. necessary time intervals, orbit placements to run SOOPs, supports required between instruments + other assets, ...)

# WHY this meeting?



#### **OPERATIONAL**

SOOP coordination means different degrees of involvement:

- What SOOP to be run / what science data are we getting?
- What instruments to use / how to use them?
- Attending different meetings, e.g. SOWG, pointing decision meeting, ...

What worked & what didn't from an operational perspective?

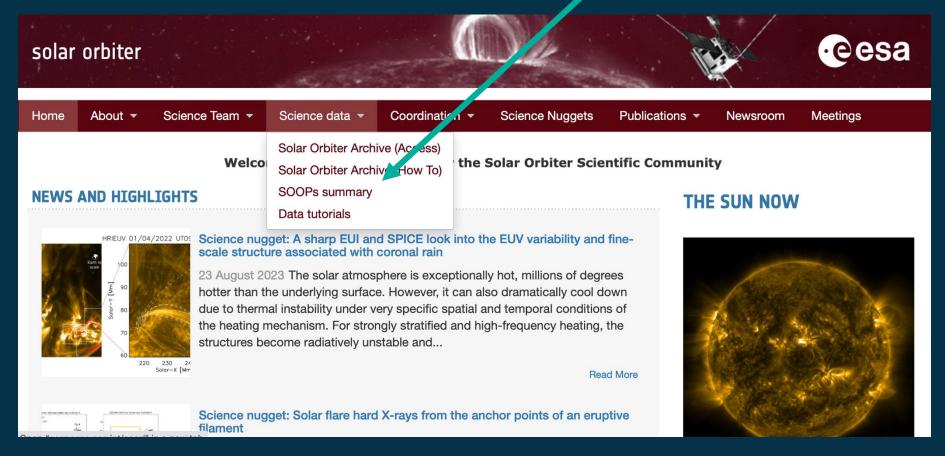
Google Froms with links sent to SOOP coordinators: will be used to fill the SOOP summary page + SOOP description pages

# **SOOP** summary page description



### **SOOP** summary page

SO Cosmos "community" page:



# **SOOP** summary page description



### SOOP summary page

Show all

Export

SOOP science objectives Coordinated observations

Coordinated

Data

SOOP

SOOP name (+ click for operation description) SOOP description RSW End date\* Status Quicklooks coordinators observations R\_FULL\_LRES\_HCAD\_Full-Disk-Helioseismology 2022-01-2022-02-Full disk (outside T. Appourchaux The resolution was too low helioseismology RSWs) 20T00:00:00 03T03:15:00 for the intended purpose, J. Schou about 5.8 arcmin. L\_SMALL\_MRES\_MCAD\_Connection-Mosaic Offpointing mosaic RSW1 2022-03-2022-03-A. Giunta Fully run SOOP find connection poi 01T18:00:00 03T03:21:52 N. Prado (3 pointings along line) D. Hassler names L\_SMALL\_HRES\_HCAD\_Slow-Wind-Connection Coordinated campaign 2022-03-2022-03-S. Yardley Hinode and IRIS Target: NOAA active region to point to the source 03T06:00:00 06T18:30:00 through IHOPs complex including ARs region of the slow 433 and 434. 12955, 12957, 12961 solar wind, that will be measured by IS payload at time of arrival at SC 2022-03-R\_SMALL\_HRES\_MCAD\_Polar-Observations Pointing to polar 2022-03-A. Zhukov coronal hole close to 06T16:45:00 06T21:50:00 Sun-Earth line crossing R BOTH HRES HCAD Nanoflares RSW1 2022-03-2022-03-Pointing to Active S. Parenti Region, chosen at 06T21:50:00 07T03:00:00 D. Berghmans pVSTP, for highcadence nanoflare observations close to Sun-Earth line 2022-03-R\_SMALL\_HRES\_MCAD\_Full-Disk-Mosaic Full Disk Mosaic for RSW1 2022-03-D. Berghmans •EUI/HRIEUV: successful 07T03:05:00 07T06:30:10 connection science •EUI/HRILYA: successful F. Auchère close to Sun-Earth line but remnants

Any relevant information

•SPICE:

but corners

•PHI/HRT: due to internal problem

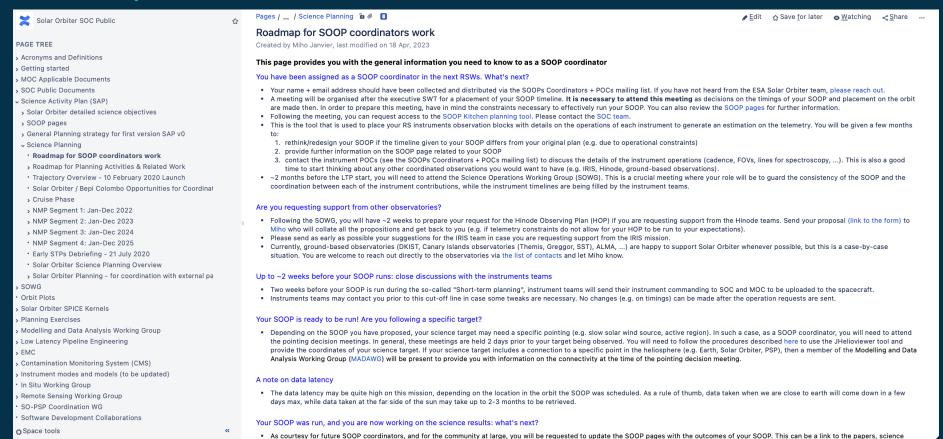
successful

no data

# Feedback needed if you use these pages (esp. new coordinators)

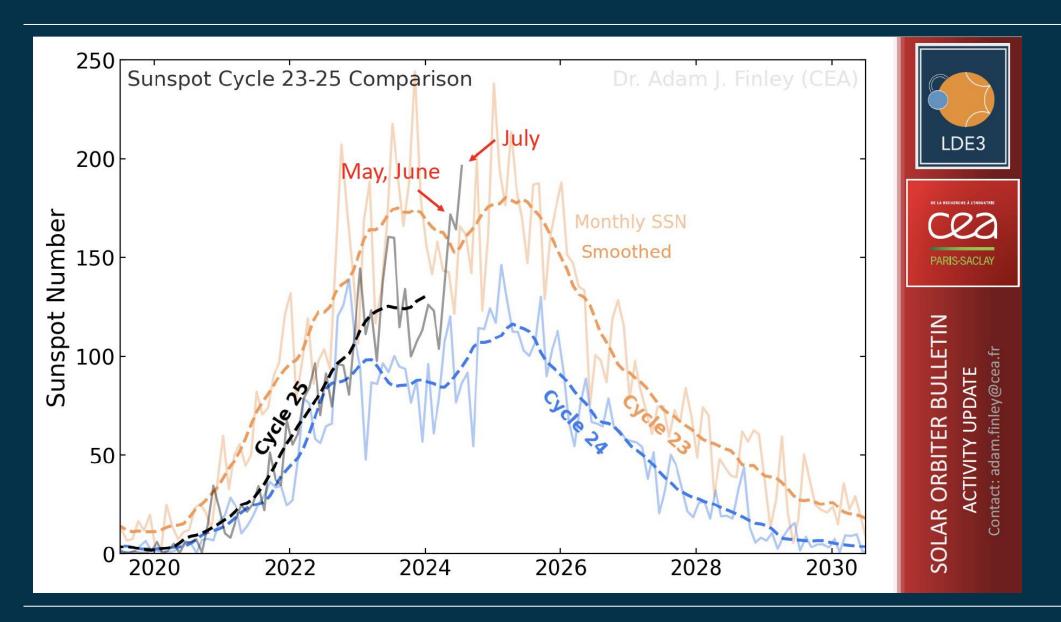


#### Roadmap for SOOP coordinators

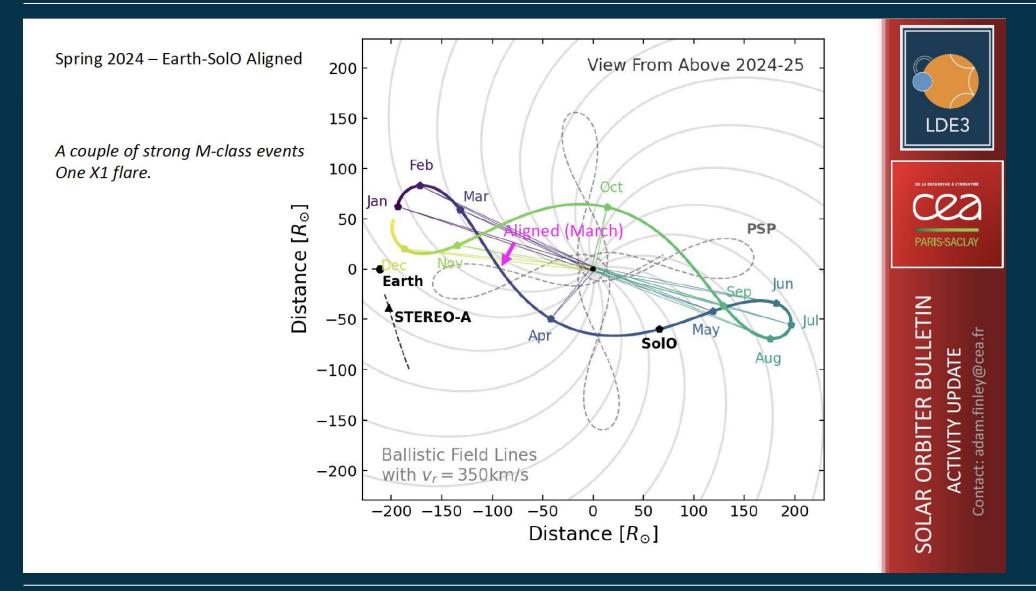


Implemented from LTP-13

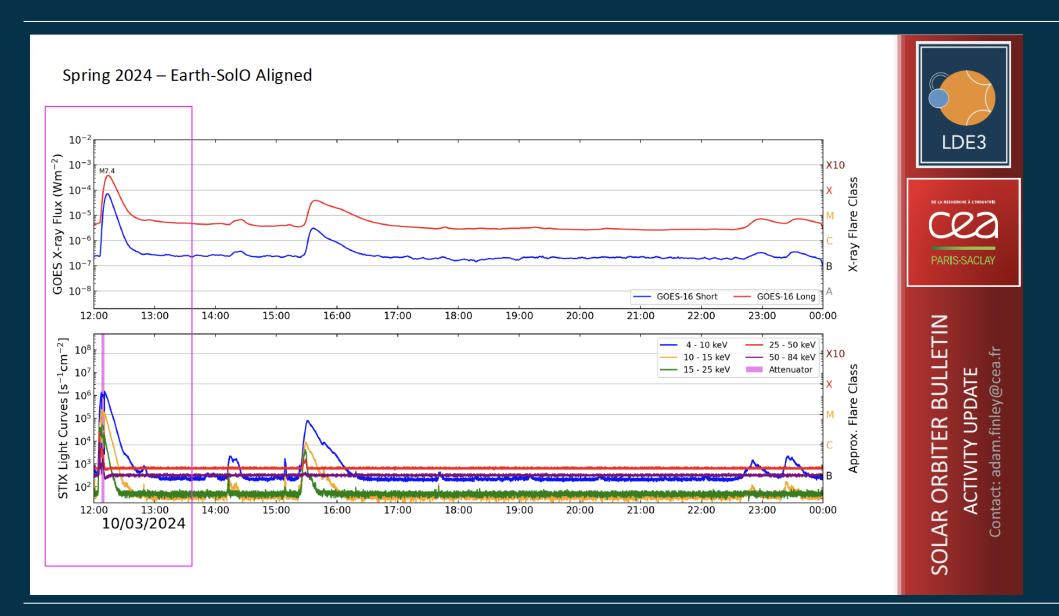




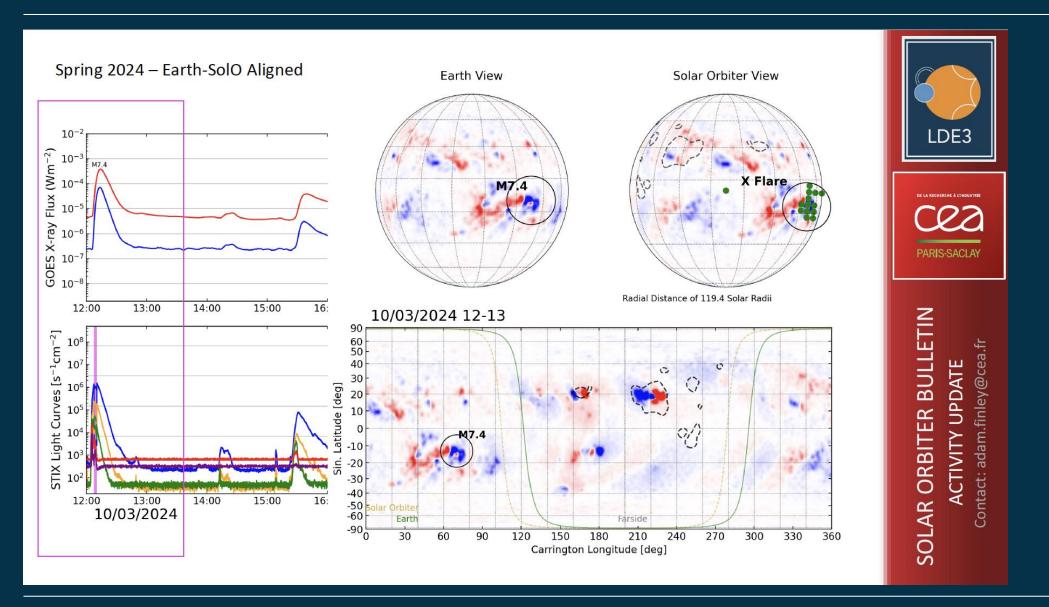




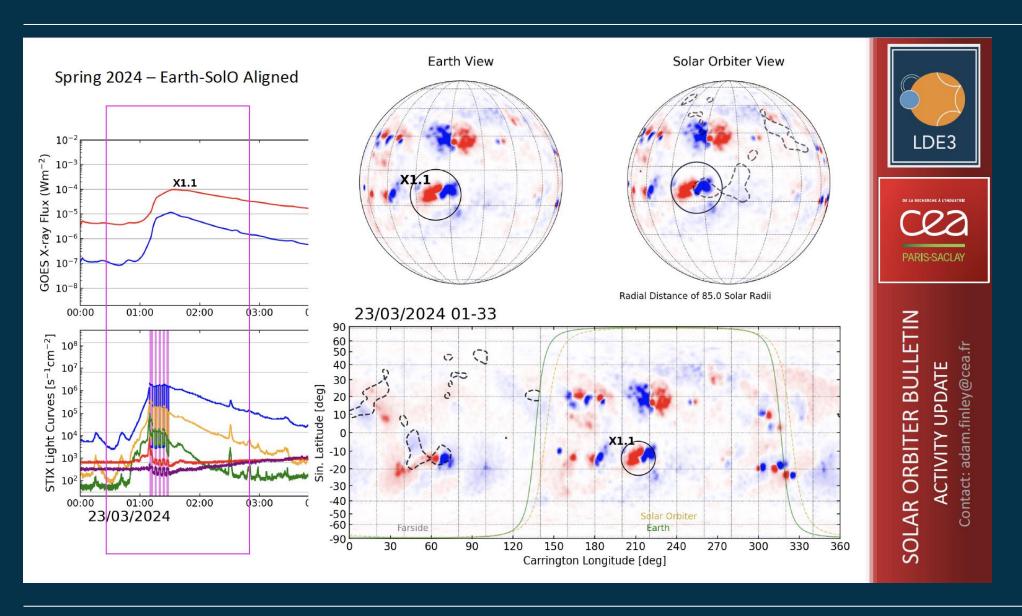




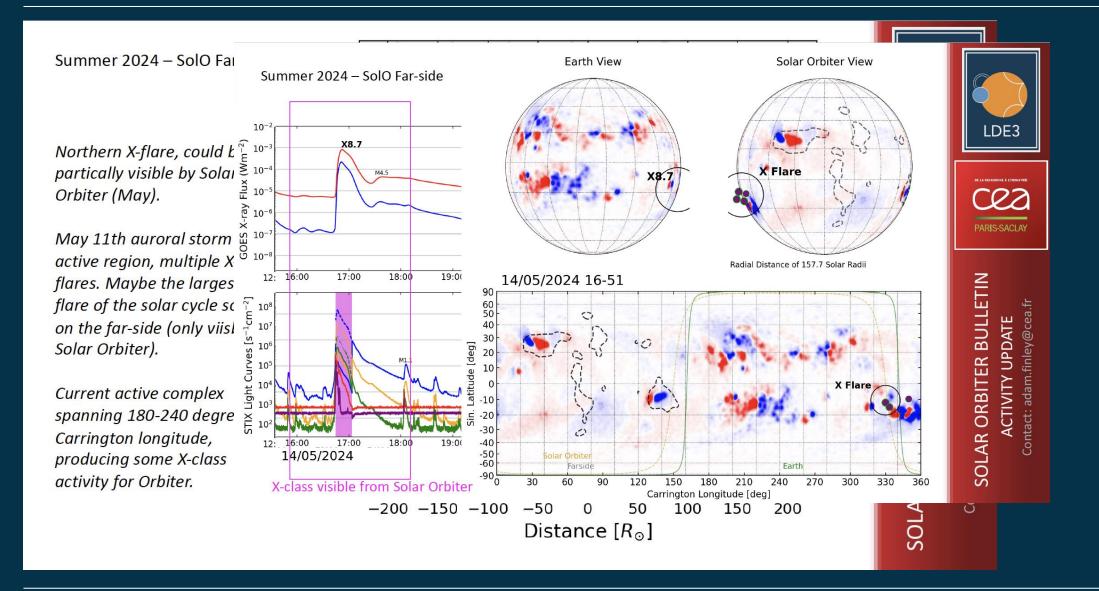




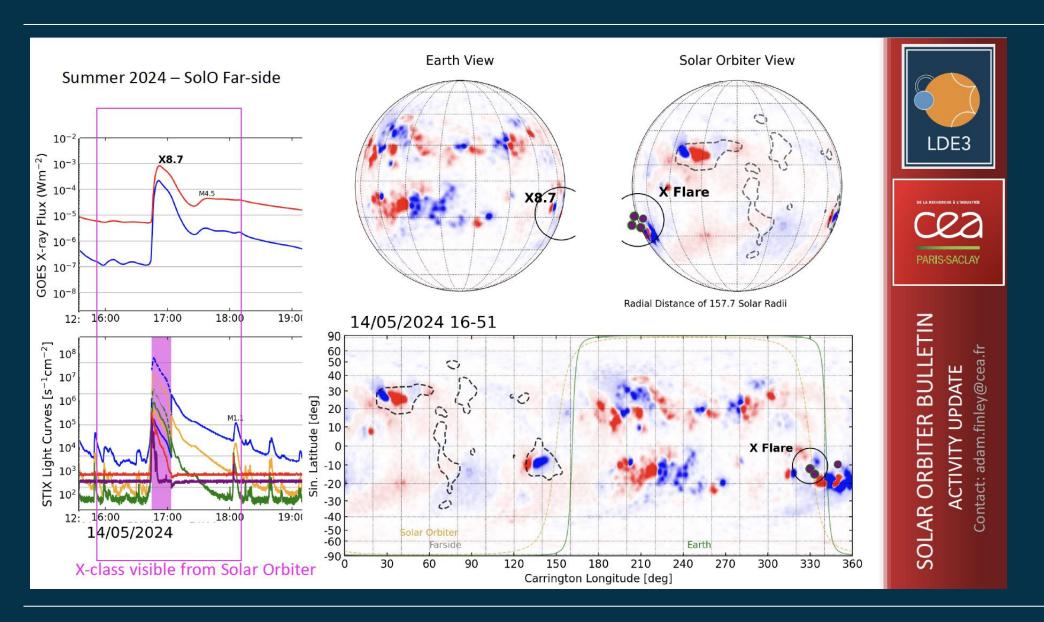




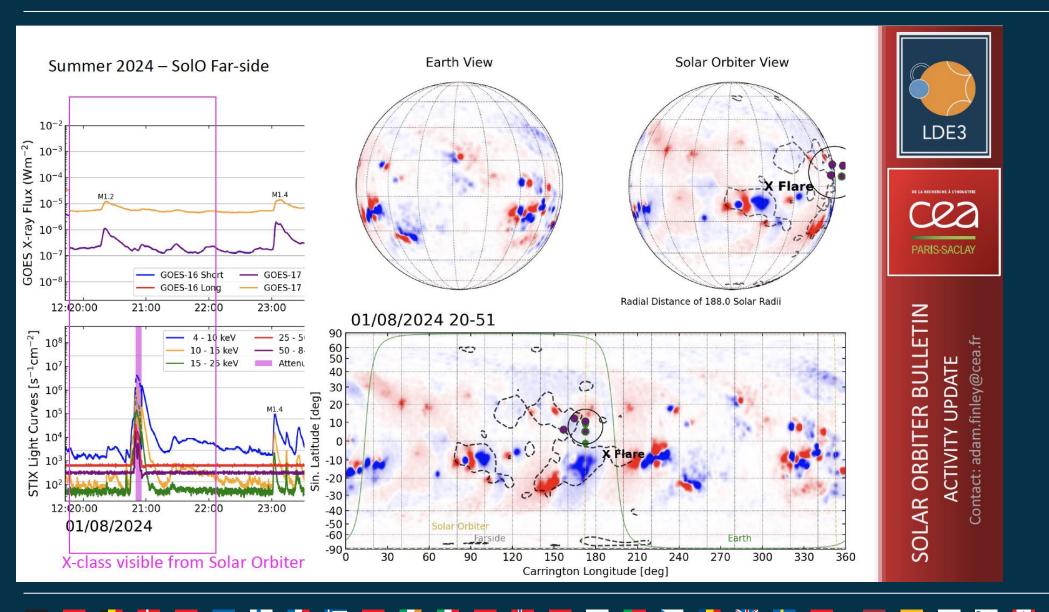




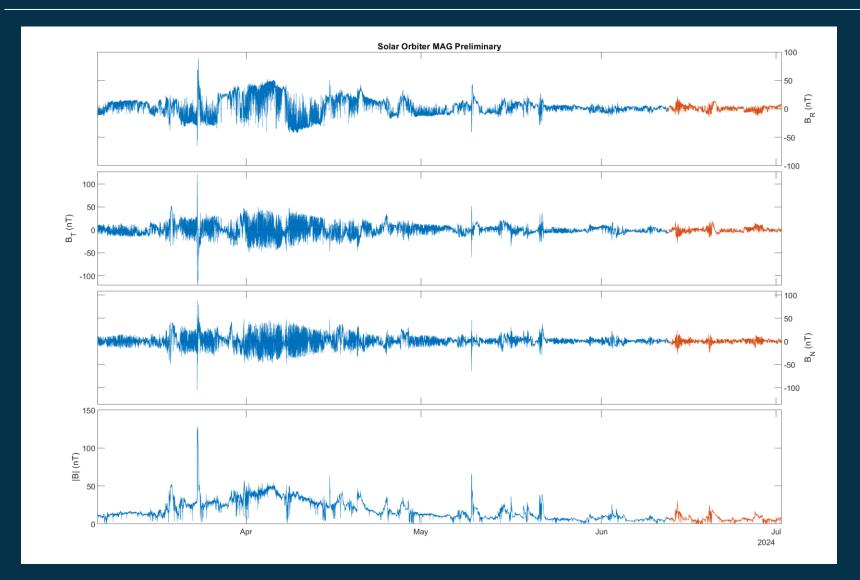






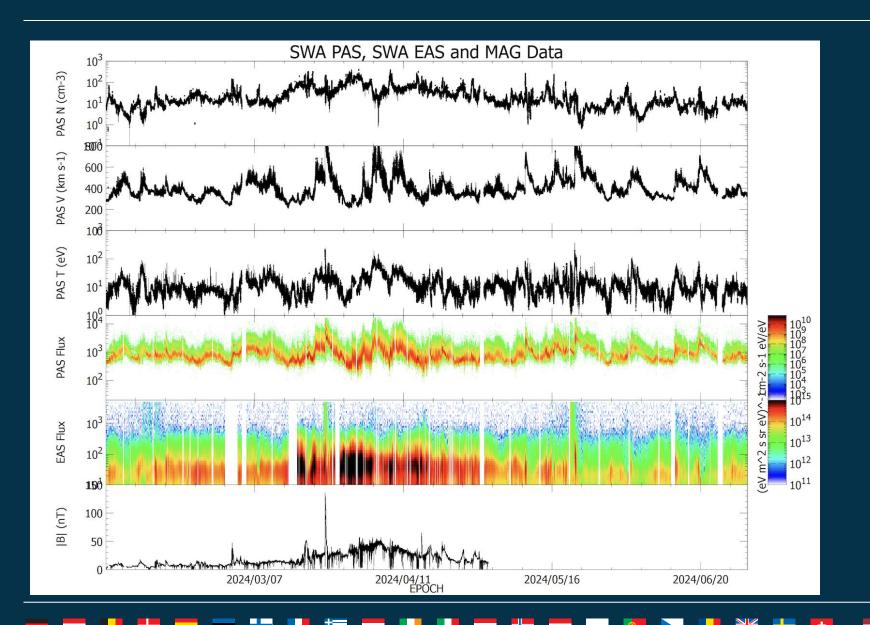






Significant CMEs on 18 and 23 Mar, 15 April and 9 and 21 May,





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# Think about participating in the webinars!



#### meetings

e About Gallery

y - Science Team -

Science data -

Coordination

Science Nuggets

tions 🔻 Newsroc

Meetings

#### SOLAR ORBITER COMMUNITY BUILDING WEBINARS

Solar Orbiter community building webinars are aimed at the solar and space physics communities as a whole. They aim is to provide recent news and insights on the Solar Orbiter operations and science. They will be held every 1st Wednesday of every month, at 2:00pm European Central Time.

INFORMATION ON WEBINAR CONNECTION WILL BE PROVIDED CLOSER TO THE MEETINGS

#### **FUTURE MEETINGS**

2nd October 2024 (1h): Introduction to the Solar Orbiter mission: the science, the data, and the SunPy ecosystem. With Daniel Müller (ESA/ESTEC) and Laura Hayes (ESA/ESTEC)

6th November 2024 (30'): Small-scale heating and relation to the solar wind: a review of past observations of (polar) coronal holes. With Pradeep Chitta (MPS)

4th December 2024 (30'): Solar Wind connectivity with Solar Orbiter. With Stephanie Yardley (Northumbria University)

8th January 2025 (30'): Synergies between in situ and remote-sensing science with Solar Orbiter. With Daniel Verscharen (MSSL/UCL)