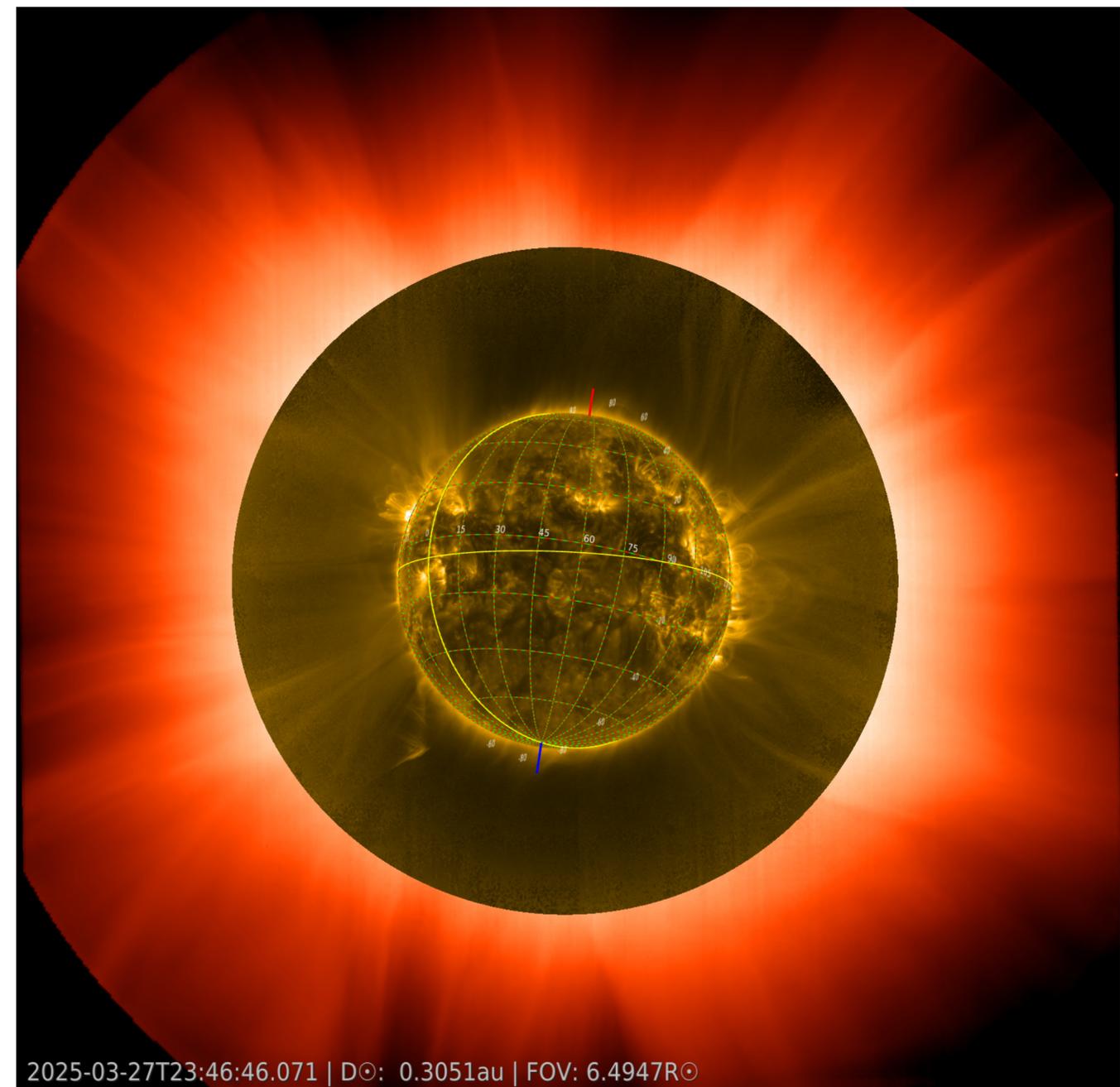


Intro to EU data

D. Berghmans for the EU consortium

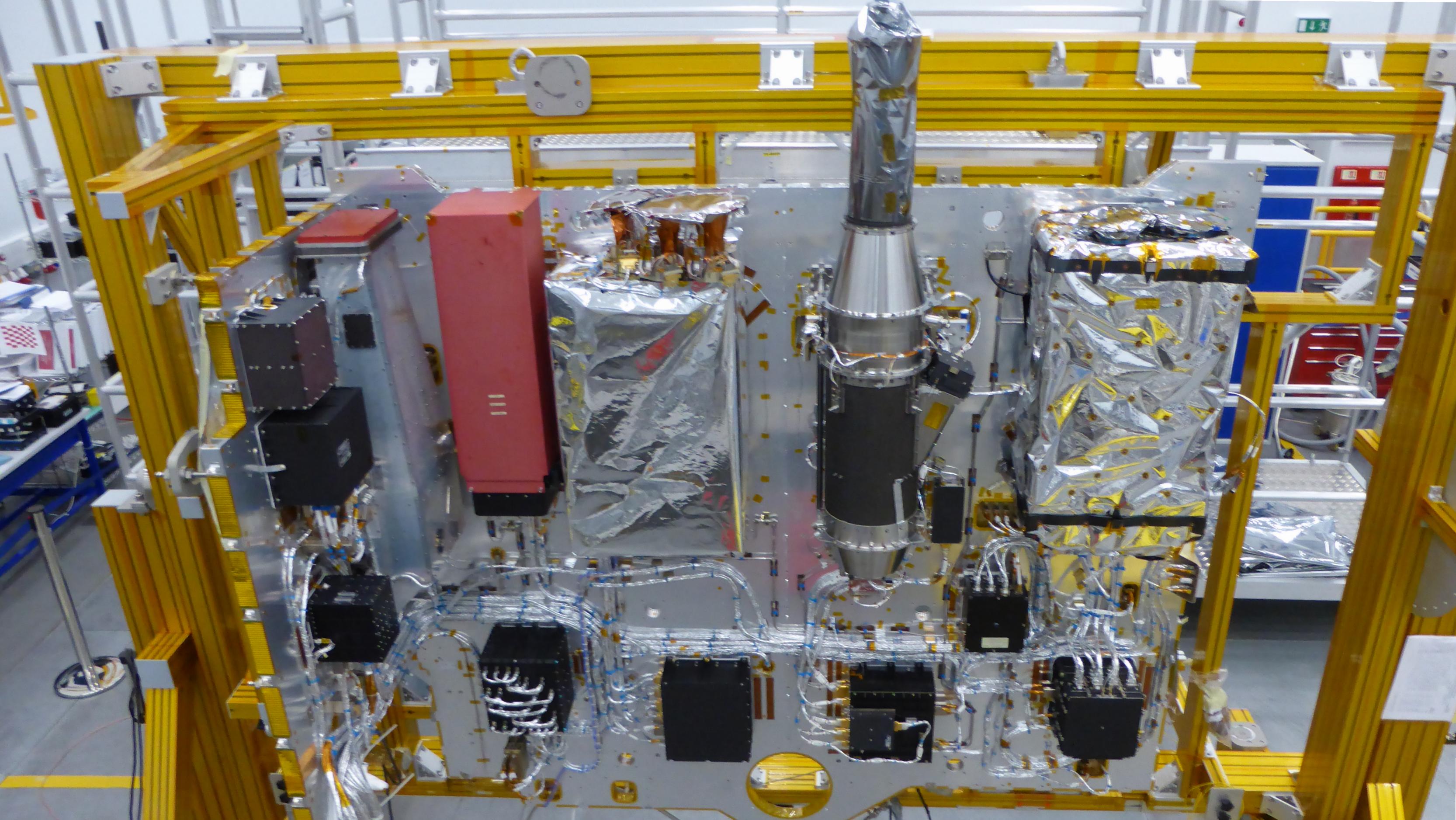


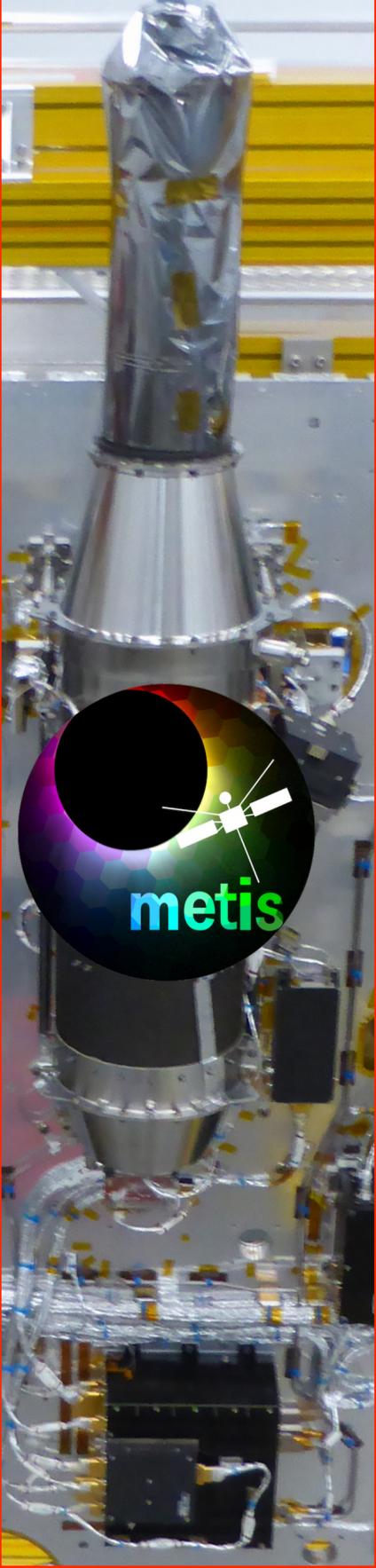
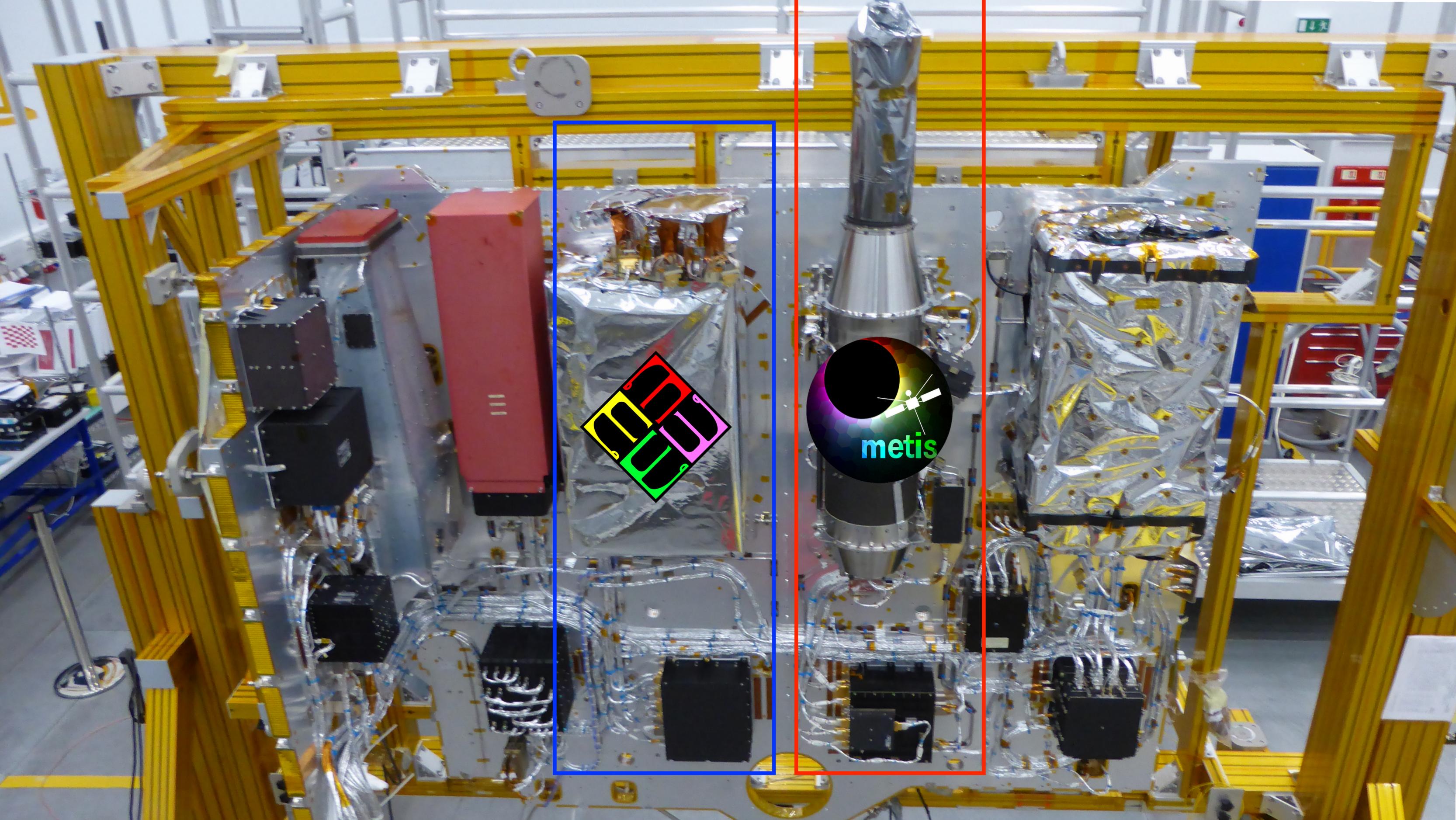
2025-03-27T23:46:46.071 | D☉: 0.3051au | FOV: 6.4947R☉

EUI-Metis Workshop 2025 April 7

Contact: david.Berghmans@sidc.be (PI)







High Resolution
Lyman-a

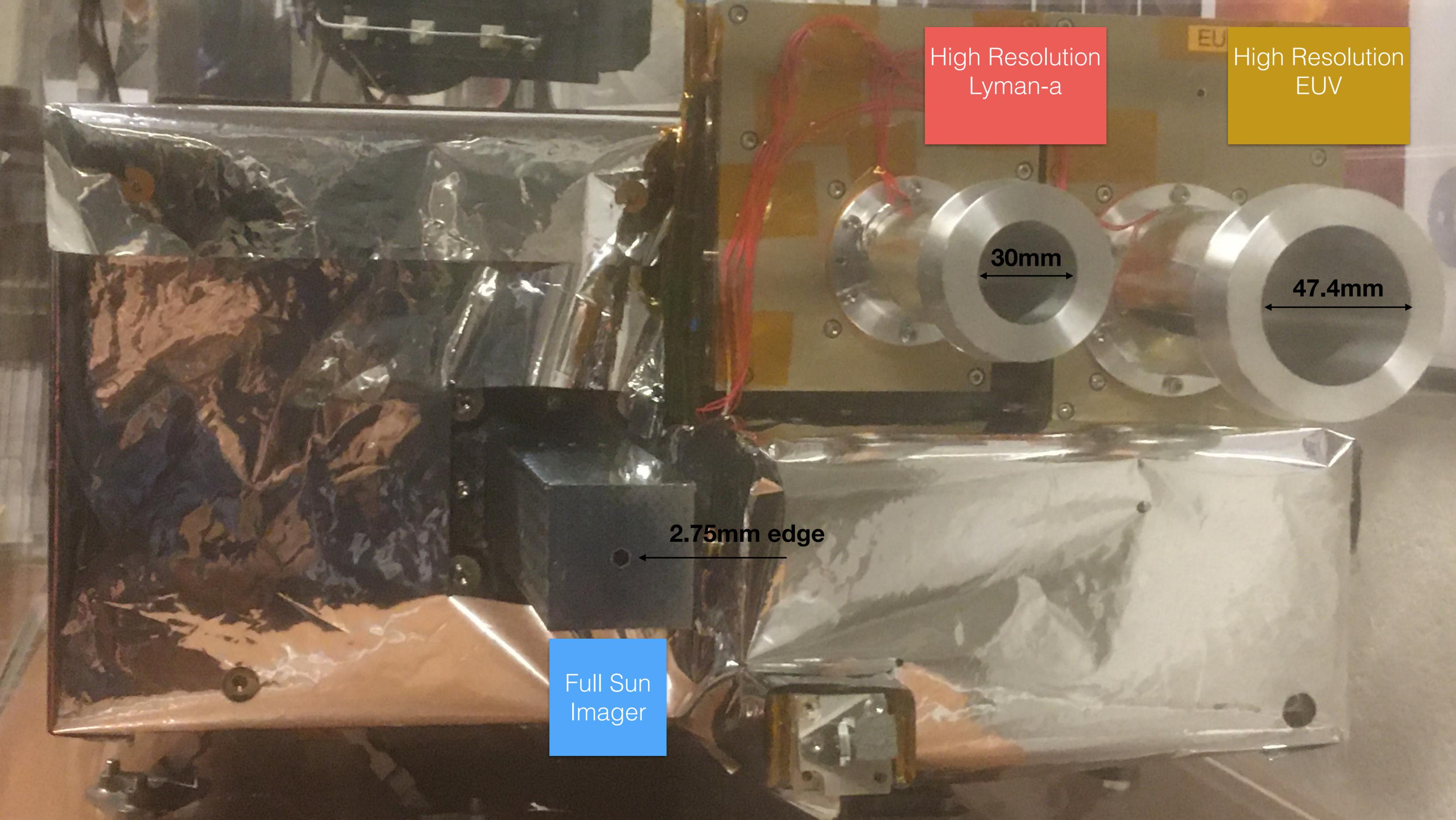
High Resolution
EUV

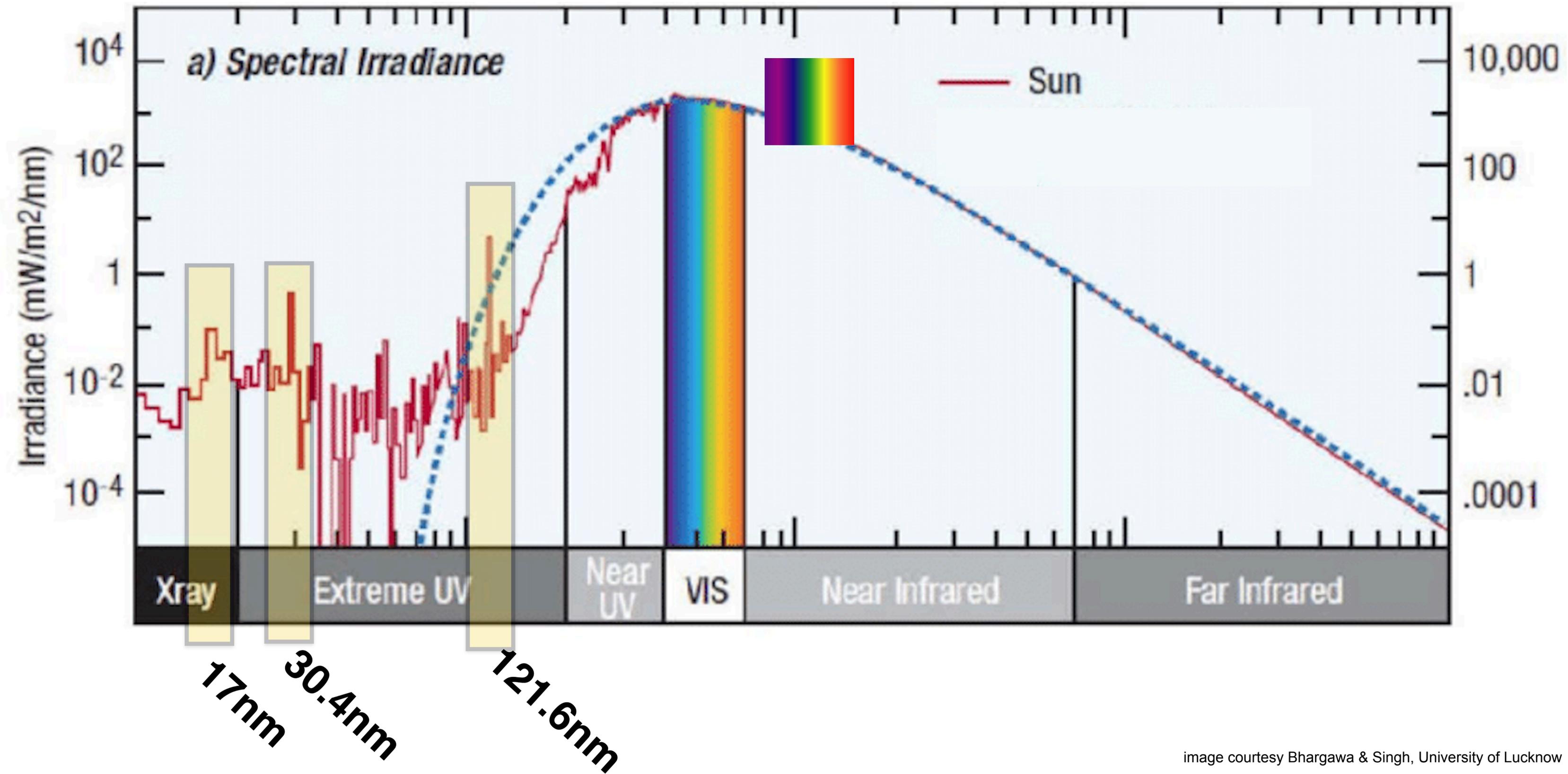
30mm

47.4mm

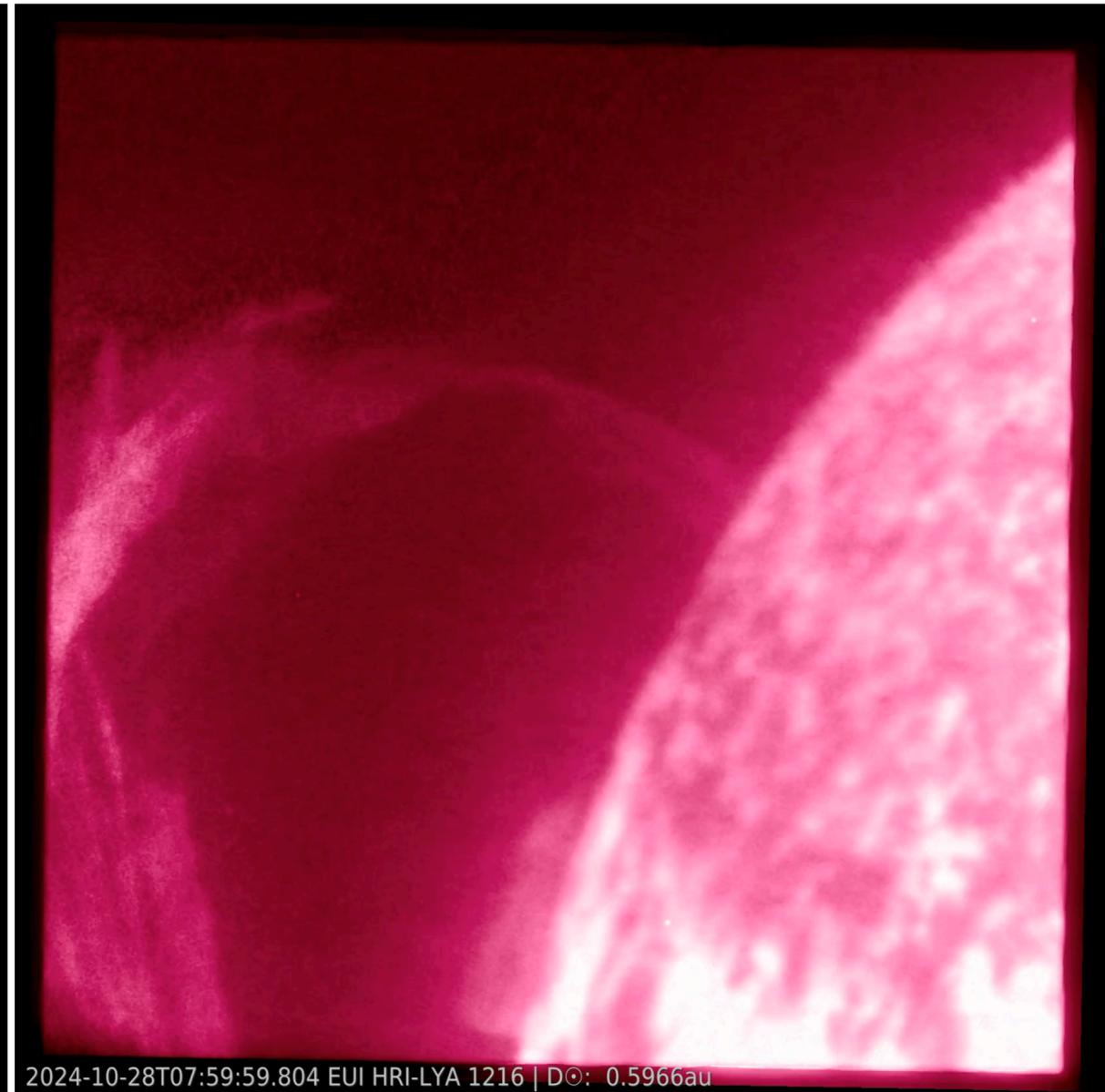
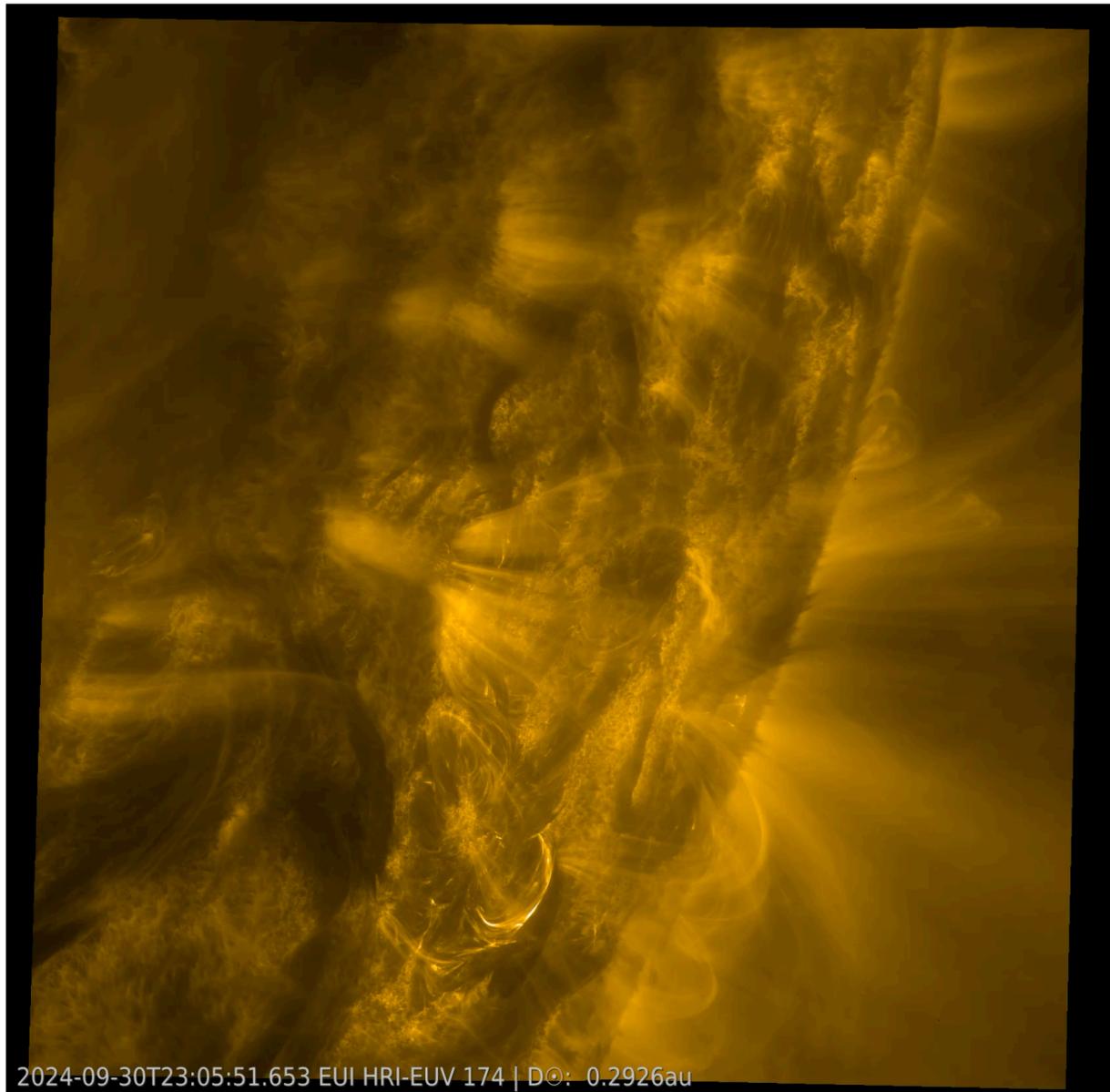
2.75mm edge

Full Sun
Imager





High Resolution Imager - EUV & Lyman-alpha



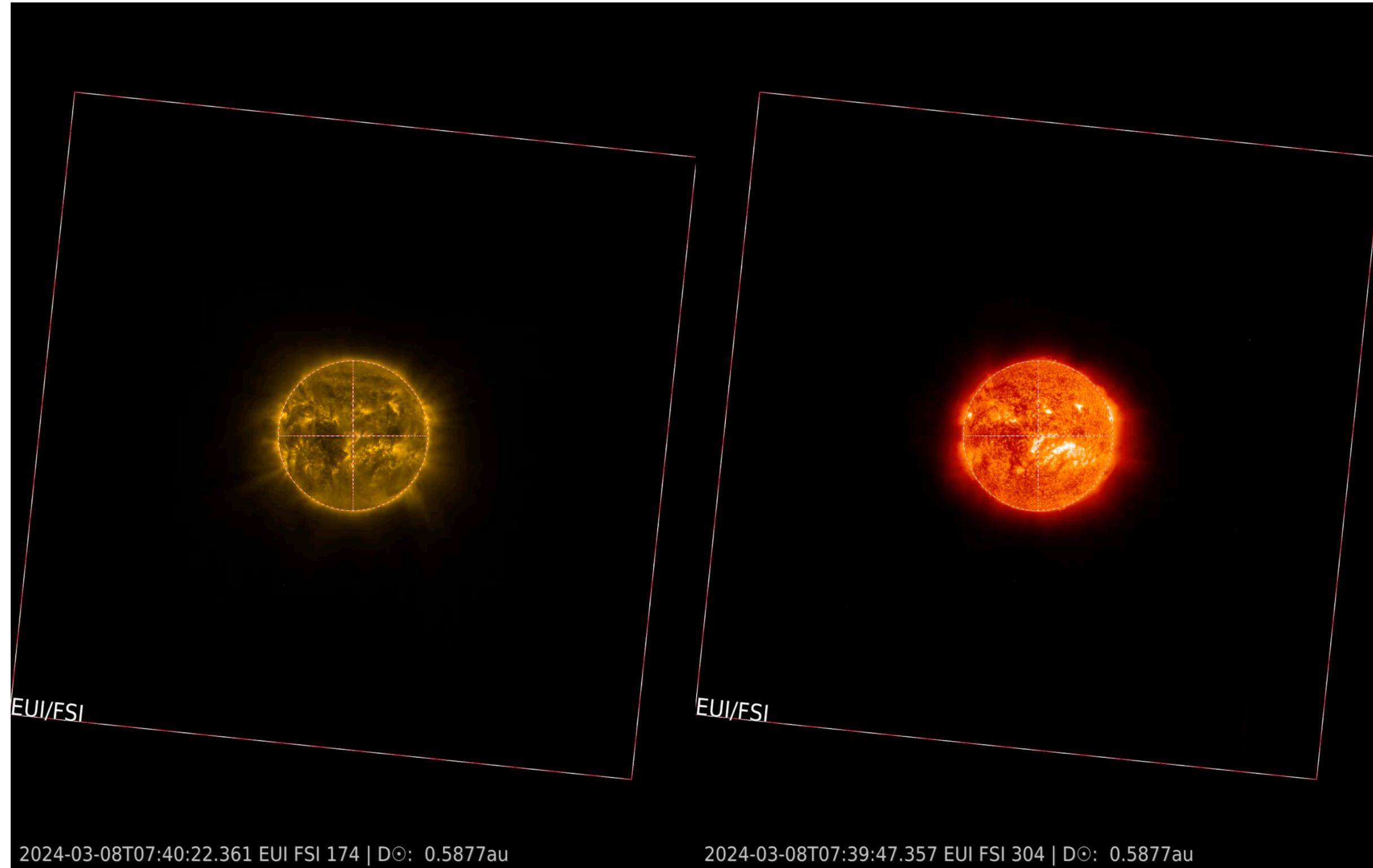
2048x2048 pixel area

	Aphelion	Perihelion
FOV	17 arcmin >1.0 Rs	17 arcmin ~ 0.3 Rs
Pixel size	~0.5 arcsec >300km	~0.5 arcsec ~100km
Cadence	1s - 30s	

Full Sun Imager (17.4 & 30.4 nm)

3072x3072 sensor

	Aphelion	Perihelion
FOV	3.8 deg >14 Rs	3.8 deg ~ 4 Rs
Pixel size	~4.5 arcsec >3000km	~4.5 arcsec ~1000km
Cadence	30s - 10min	



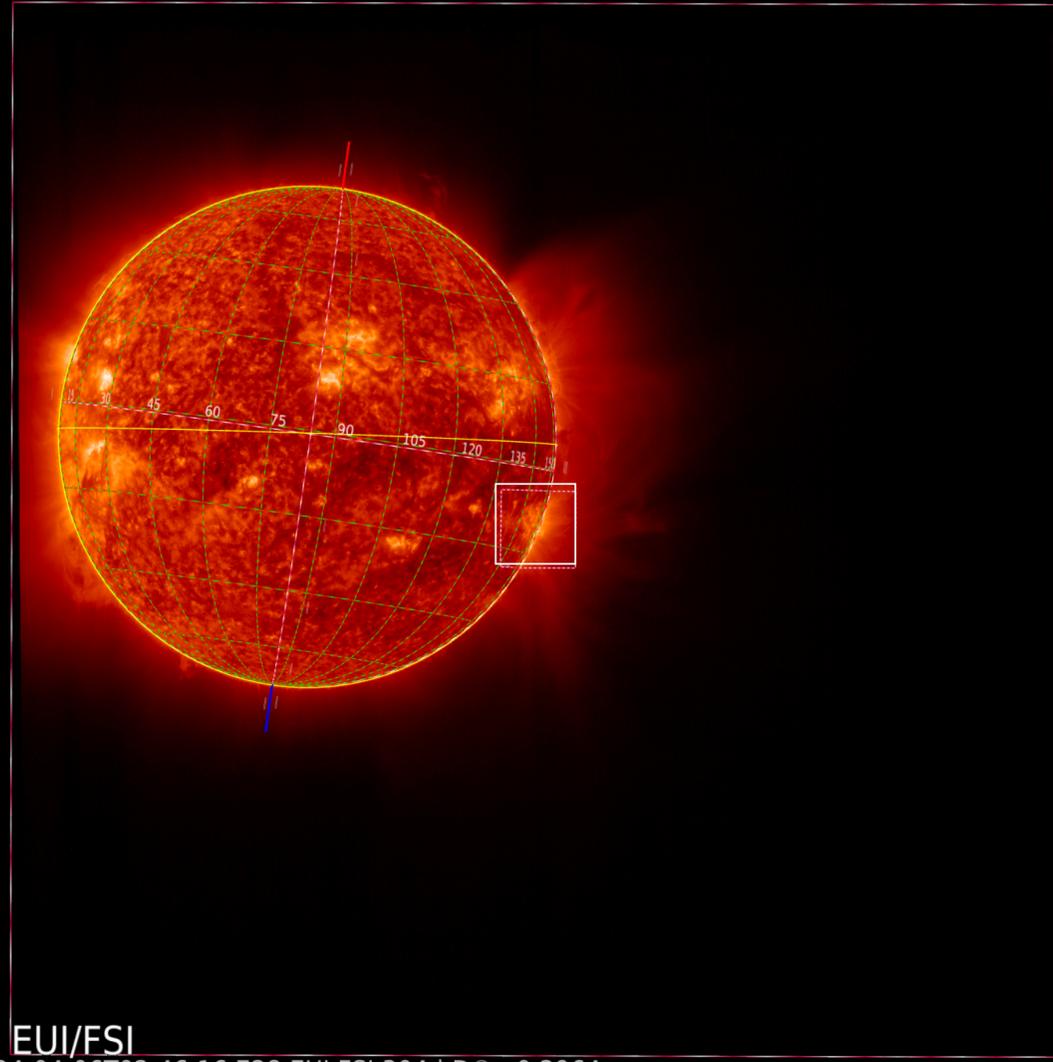
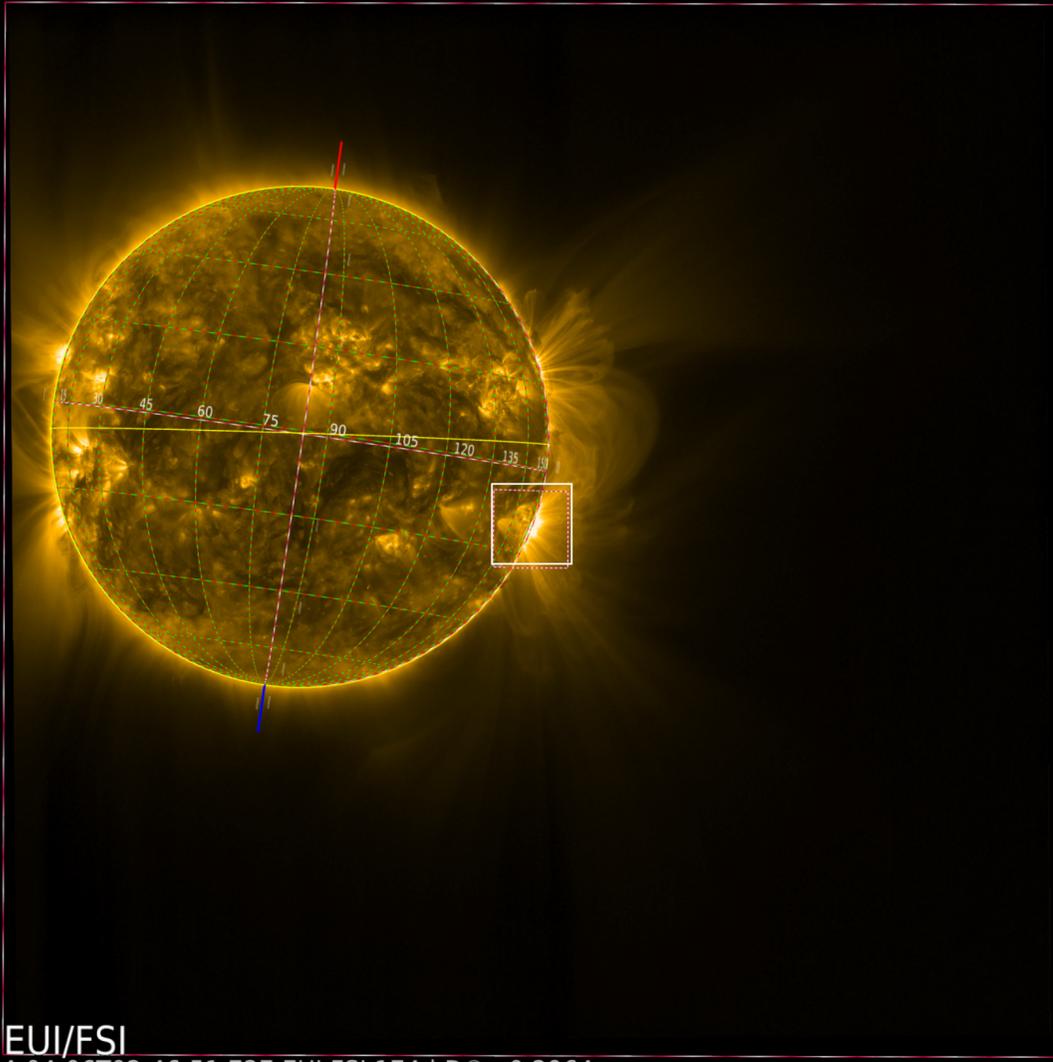
EUI/FSI

EUI/FSI

2024-03-08T07:40:22.361 EUI FSI 174 | D☉: 0.5877au

2024-03-08T07:39:47.357 EUI FSI 304 | D☉: 0.5877au

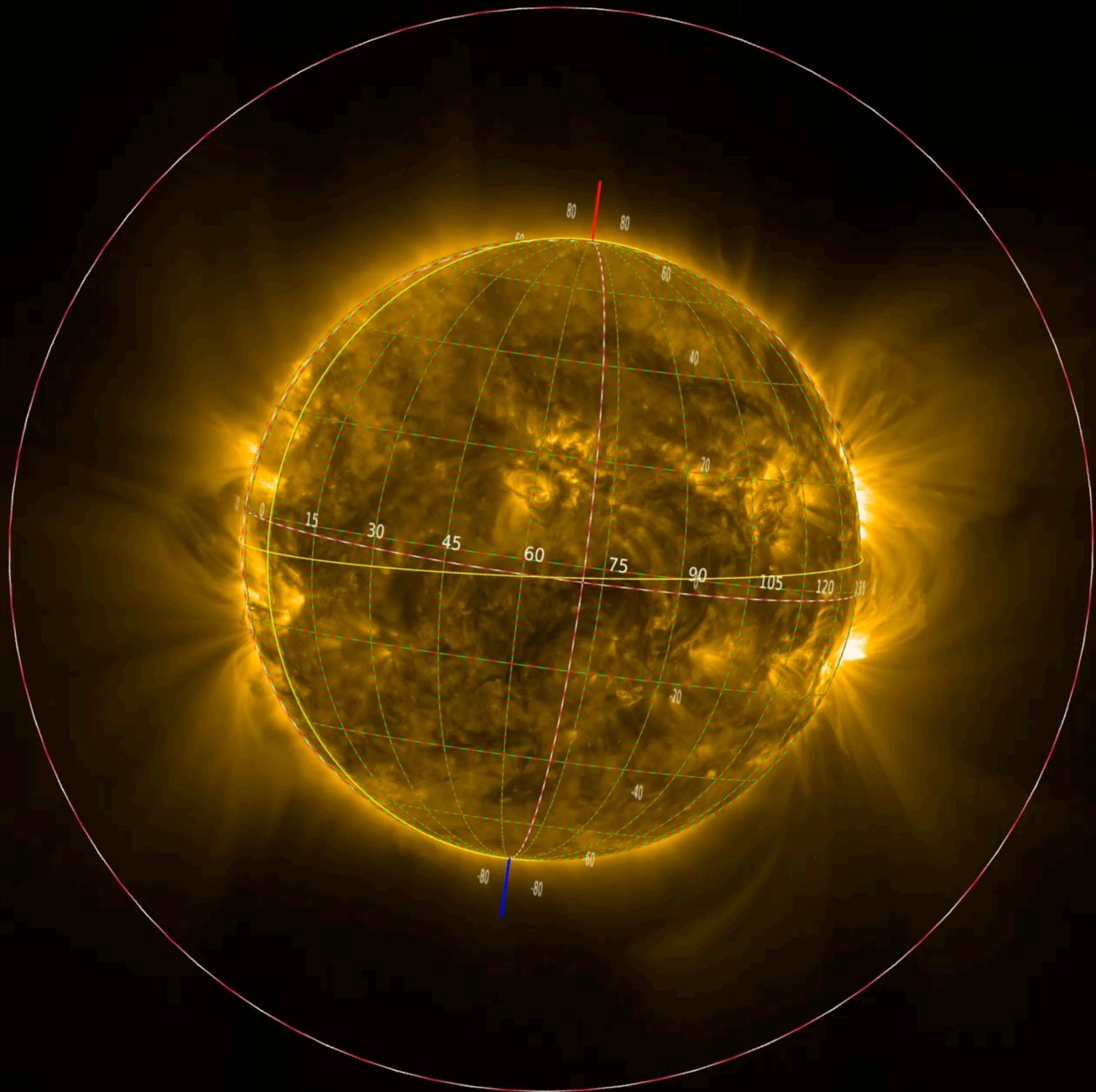
Full Sun Imager



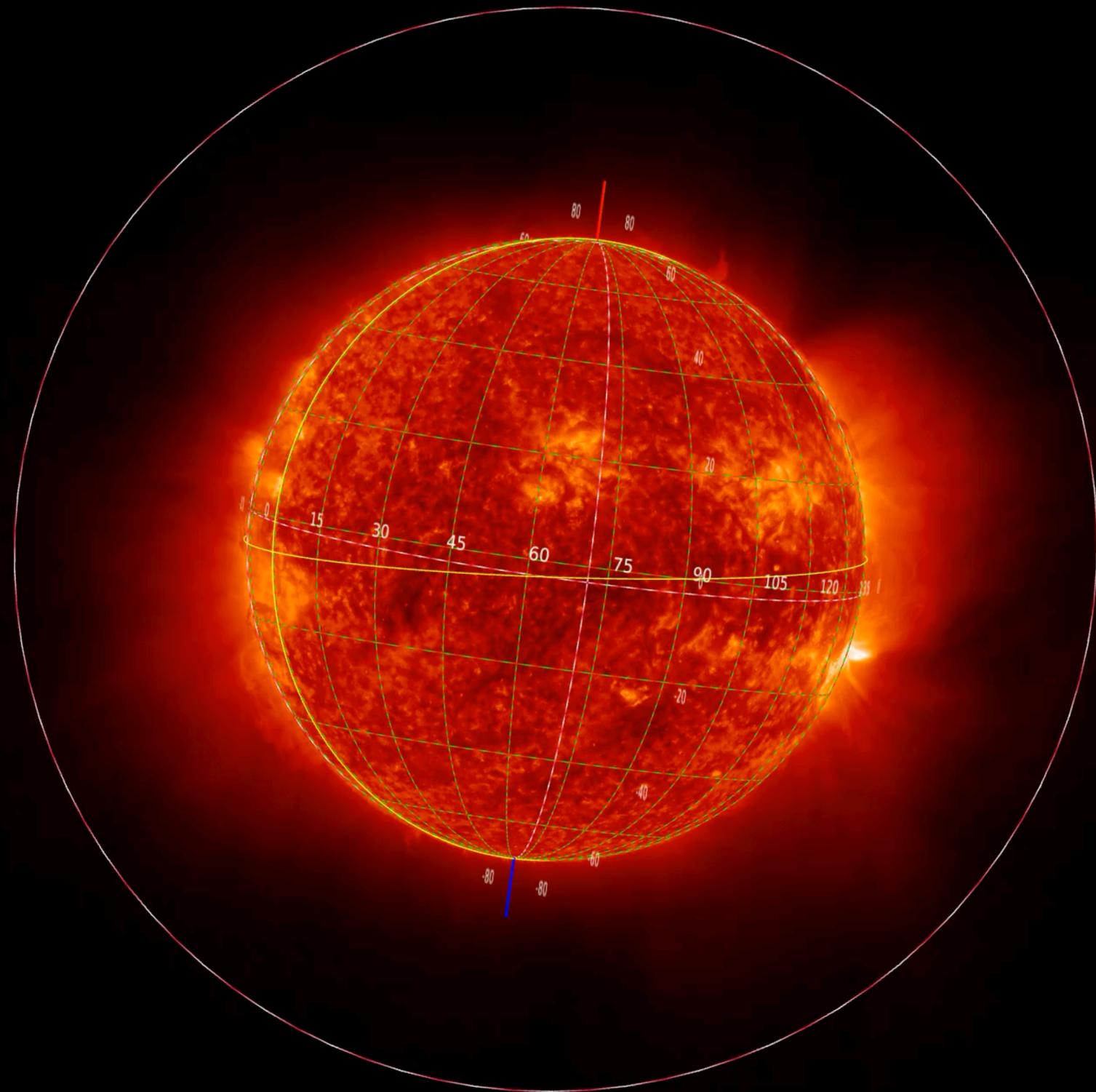
	Aphelion	Perihelion
FOV	3.8 deg >14 Rs	3.8 deg ~ 4 Rs
Pixels	~4.5 arcsec >3000km	~4.5 arcsec ~1000km
Cadence	30s - 10min	

EUI/FSI
2024-04-06T02:46:51.727 EUI FSI 174 | D☉: 0.2964au

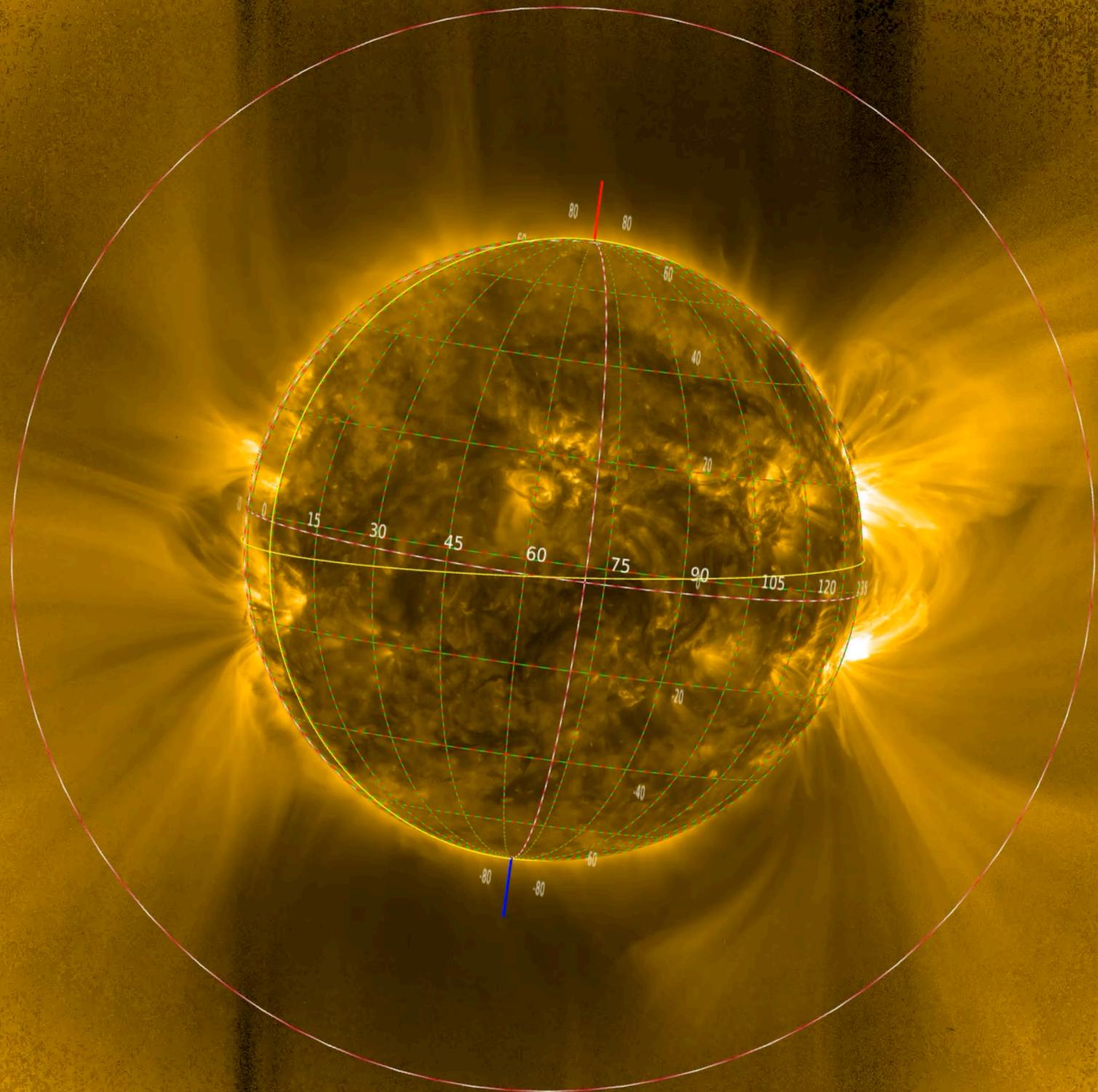
EUI/FSI
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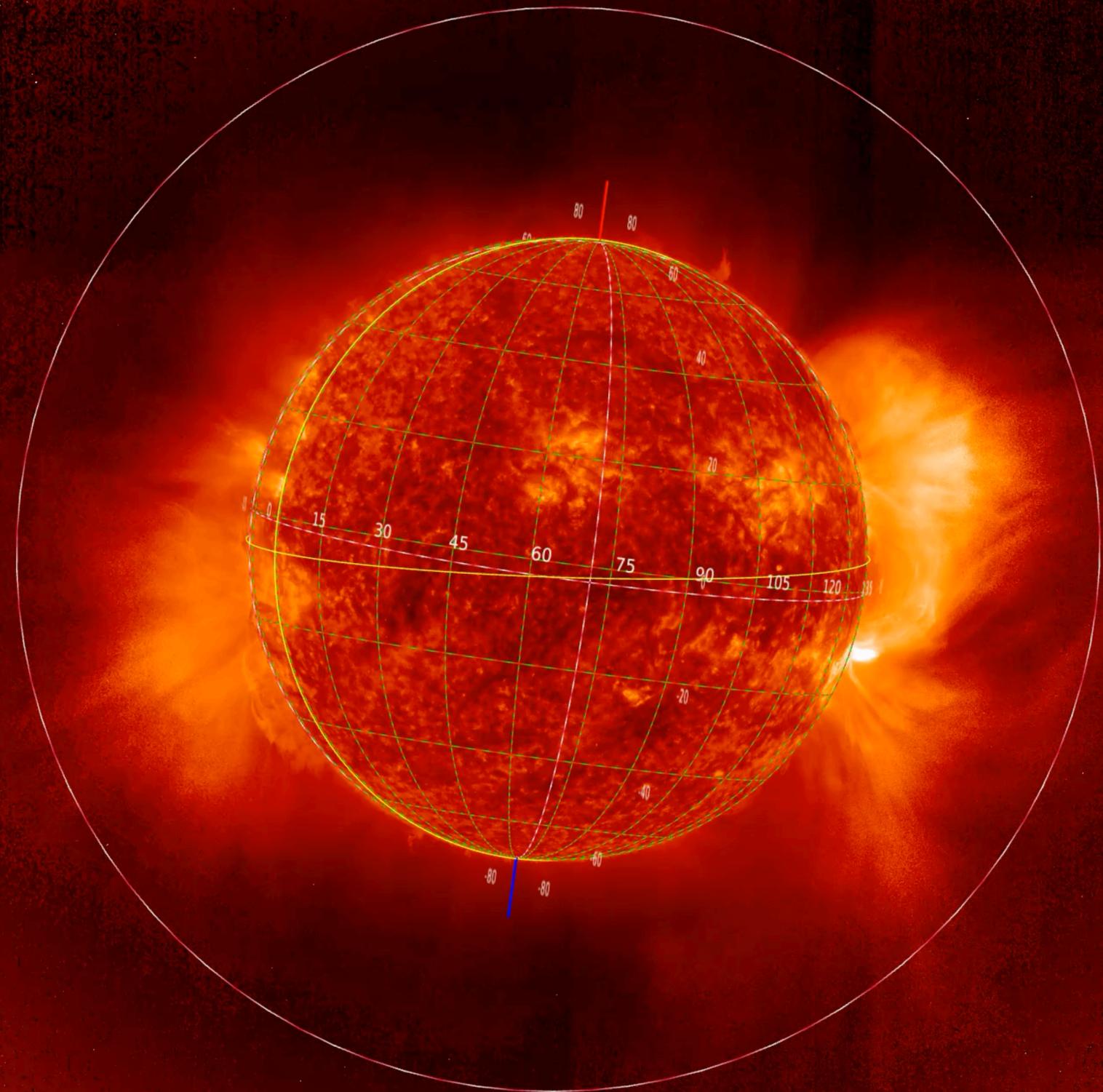
2024-04-04T02:46:53.363 EUI FSI 174 | D_☉: 0.2926au



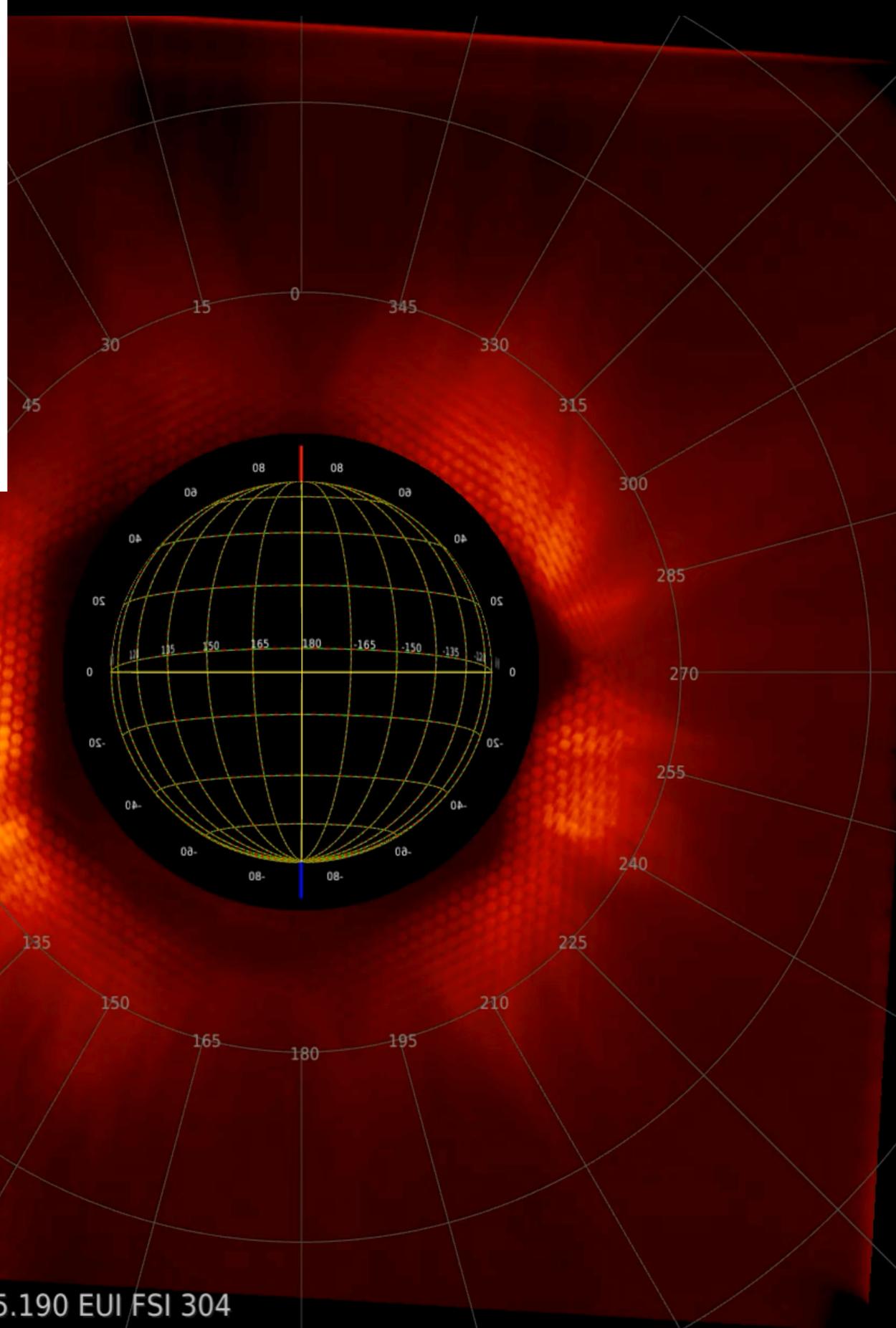
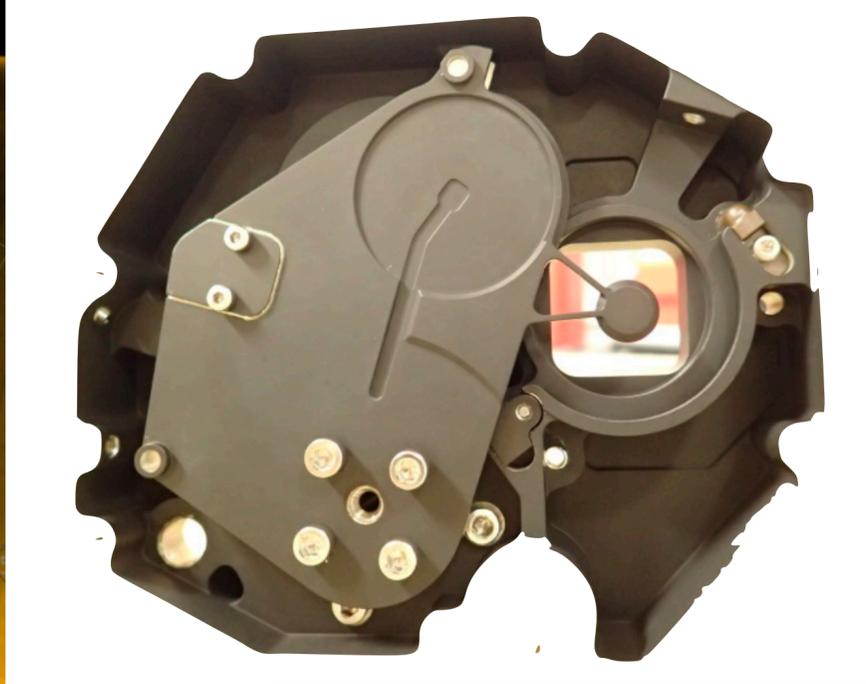
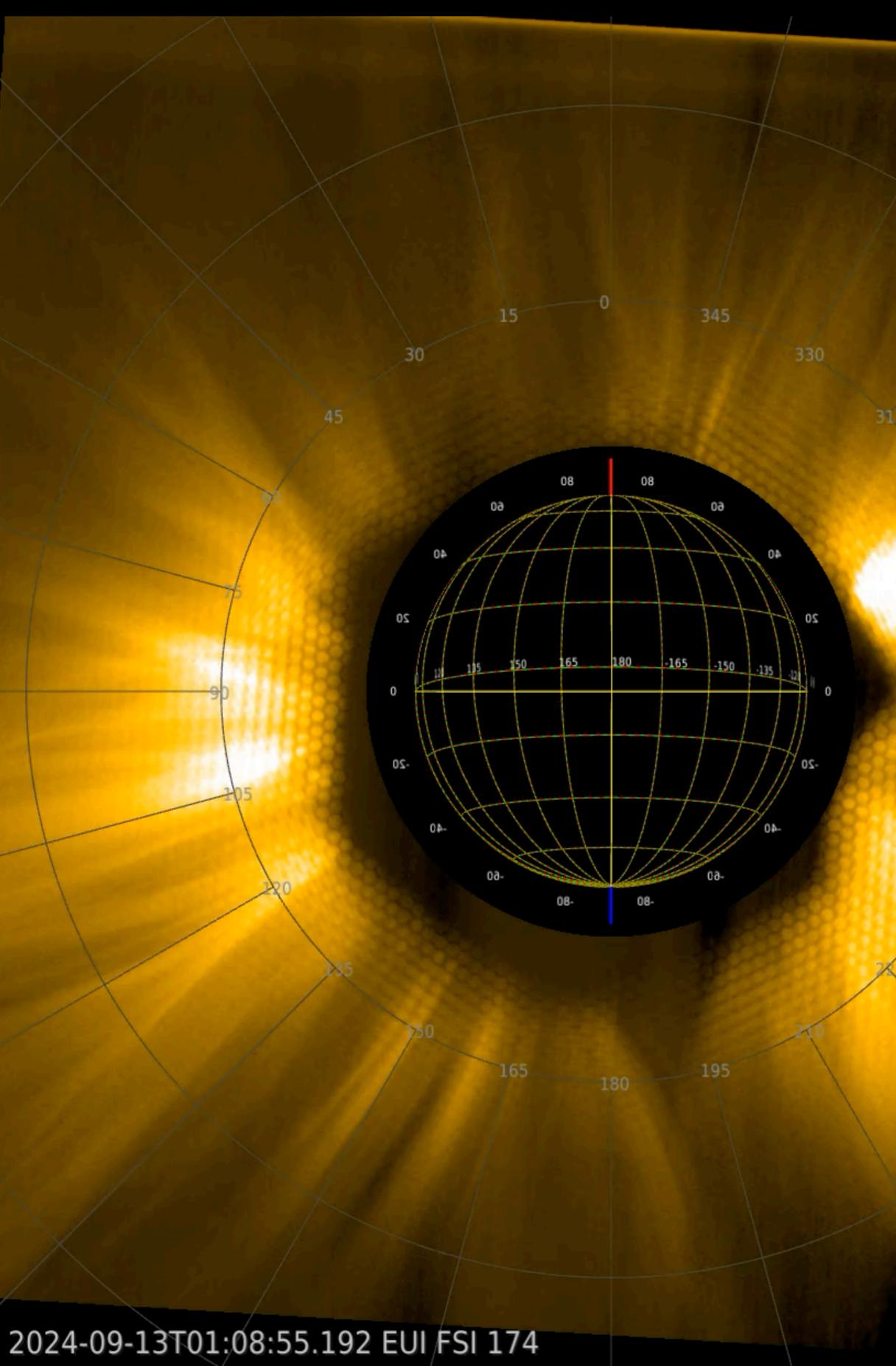
2024-04-04T02:46:18.364 EUI FSI 304 | D_☉: 0.2926au



2024-04-04T02:46:53.363 EUI FSI 174 | D_☉: 0.2926au



2024-04-04T02:46:18.364 EUI FSI 304 | D_☉: 0.2926au



2024-09-13T01:08:55.192 EUI FSI 174

2024-09-13T00:48:55.190 EUI FSI 304

Use of EUI data

- Current Data Release = 6
SOAR archive in ESAC or <https://sidc.be/EUI/data/>
- EUI data appears in near-real-time in JHelioviewer,
check <https://sidc.be/EUI/data/states/>
- Daily Movies <https://sidc.be/EUI/data/movie/dailySynoptics/>
- Eruption list <https://sidc.be/EUI/solar-eruptions>
- For questions: ask eui@sidc.be , EUI Data Manual (EDAM) upcoming
- Please: Reference Rochus 2020 paper, acknowledgments, cite Data Release

Common science topics!

