EUI report
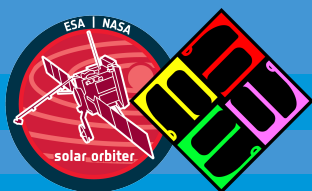## June 21 - July 18 = STP 153 - 156

D. Berghmans for the EUI consortium

PI teleconf 2021 Jul 23

Contact: david.Berghmans@sidc.be (PI)
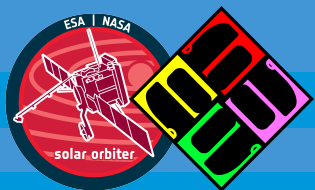
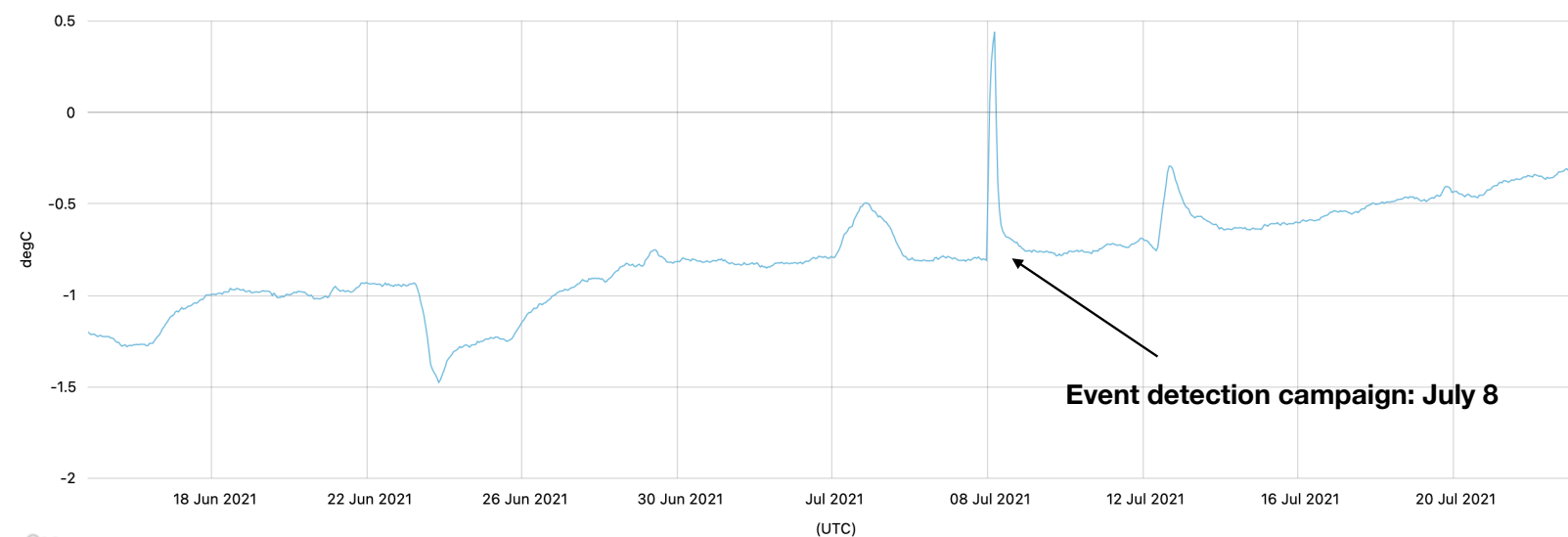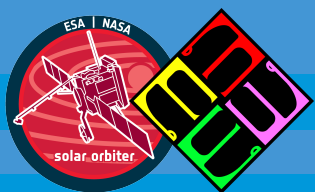|	
Current Instrument Status	Nominal, EDAC memory errors
Observations executed	July 8: Event detection test
Data download	completed
Data release	Data Data release 3 (10.24414/k1xz-ae04) issued on July 6. Covers data up till April 28
Science results	3 papers published, 6 papers (re)submitted, 4 papers in preparation
Upcoming instrument activity	Aug 17: HRI high cadence campaign ~quadrature with Earth and collaboration with SPICE, IRIS and EIS.

Instrument status: nominal

Current instrument status

FSI heat shield door	HRI heat shield door	
instrument door	instrument door	instrument door
FSI	HRILYA	HRIEUV
camera OFF	camera OFF	camera: OFF

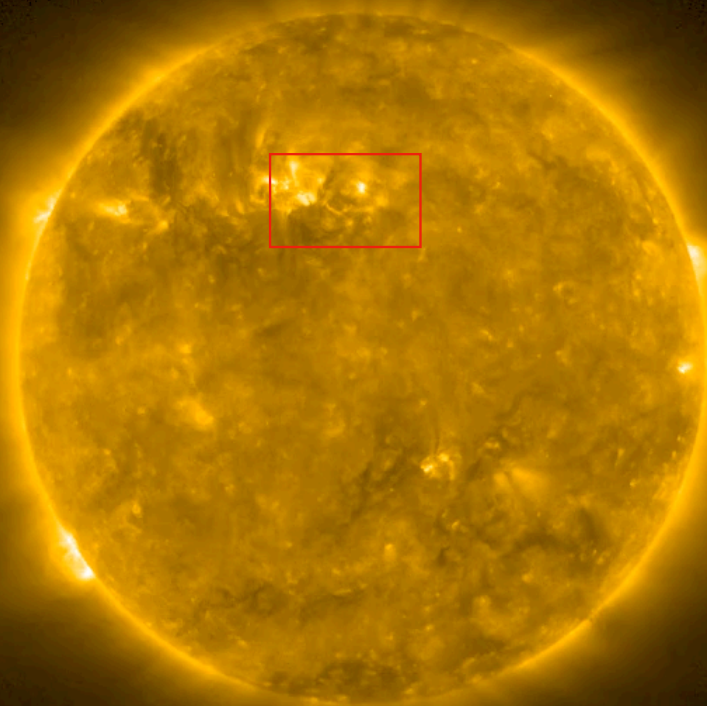**CEB: ON**

CEB temperature

Event detection campaign: July 8

Since July 12: EDAC correctable memory errors every 15 min (hardware scrubbing cycle time). They should appear only once. Sticky bit?

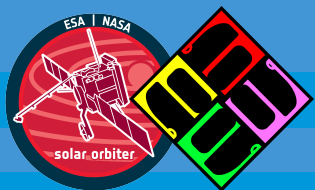Test ran correctly but despite low thresholds did not trigger. Under investigation
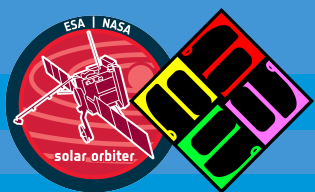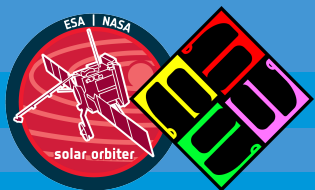
- **EUI Packet store (PS12) in SSMM: empty since June 17 (except Jul 8)**

- **EUI internal SOB memory (can be flushed):**

  - ~ 81 MiB primary FSI data (mostly July 8)

  - ~1400 MiB secondary FSI data

- **EUI internal OHQ memory (can be memory-dumped):**

  - ~ few hunderd MiB non-triggered July 8 HRIEUV data

- EUI Data release 2 is now available through the VSO
    => EUI data searchable via SSW & Sunpy

- **EUI Data release 3 (2021 July) : https://doi.org/10.24414/k1xz-ae04**

    - L1, L2, L3 - all data up till 2021 April 28

    - includes RSCW2 and RSCW3

    - bug fixes, various keywords improvements, evolving calibration

    - *troubled transfer to SOAR, GFTS too slow*

- EUI Data release 4 (2021 Oct): includes RSCW2 and RSCW4

- EUI Data release 5 (2022 Jan): includes full cruise & commissioning phase

- mid Aug: VGAM

- Aug 17: HRIs Earth quadrature offpoint (4 limb positions)

- Aug 17-23: FSI synoptics

- *Aug 25:   EUI software update*

  - *improved parallel operations of telescopes*

  - *improved onboard calibration algorithms*

  - *high dynamic range imaging in subfields*

  - *improved mechanism management*

- Aug 30- : FSI synoptics

- Sept 12-20: RSCW4