New SVOM Burst Advocate organisation

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BA-T training workshop

APC, Paris 2026, Mar 25-27th

Reminder about the context

<u>The main message:</u> We are not as efficient as we would like to be at early times for the operations when an ECL trigger comes

a. Need to wait for many people (BA, TA, IS of different instruments) to connect for a zoom at more or less the same time but with different knowledge of the current trigger situation

b. Too much latency to release the HE-GCN

c. Too many people on duty (and also off-duty) can add "noises" in the very early tasks to make

d. A large fraction of people cumulates role (TA & IS, TA & BA, BA & IS) and can not perform all the tasks needed in a timely manner especially for tricky ECL triggers.

SVOM

Reminder about the context

The solution (Lijiang meeting October 2025)

a. Nobody can cumulate roles (BA, TA, IS) when a trigger occurs. For a given ECLAIRs trigger there should be 1 person for each of the following role (BA-Follow-up, BA-Trigger Advocate, ECLGRM IS, MXT IS, VT IS)

b. Only the BA-T (trigger validation & HE-GCN writing, retraction notices) and the ECLGRM IS (ECL/GRM VHF product analysis) are on duty for the generation and submission of the HE-GCN Circular

c. MXT IS is only on call for tricky cases (typically for QF = 1 MXT detections) otherwise the BA-T is in charge of the MXT VHF data analysis

d. VT IS is working in parallel (with the BA-F for the VHF?) with VHF/X-band data and make autonomous GCN Circulars

e. if the burst is detected by GRM, the GRM IS will make autonomous GCN circular using X-band data

f. **BA-F is will manage the follow-up tasks (to be shown later)**

The new organisation in a nutshell

Instrument centers
Share CN/FR shifts (depends on IC policy)

FSC / CSC
Share CN/FR shifts 60%/40%
(BA-T not yet in this mode)

VT IS

- On duty 24h/7d
- VHF data analysis (share with BA-F)
- X-band data analysis
- VT GCN Circulars

MXT IS

- On call
- VHF data analysis (only QF=1)
- X-band data analysis
- MXT refined GCN Circulars

ECLGRM IS

- On duty 24h/7d
- VHF data analysis (support the BA-T)

ECL & GRM IS

- On duty during working hours
- X-band data analysis and product validation
- Refined GCN Circulars (T-T0< 24hr)

BA-T

- On duty 24h/7d
- VHF ECLAIRs trigger & MXT position data analysis
- HE-GCN & retraction Circular
- eclairs-wakeup & Retraction notices

BA-F

- On duty 24h/7d
- SVOM slew & MXT/VT ToO
- VT-VHF/LCOGT/EP/Swift ToO & data analysis
- FM-GFT/C-GFT status
- Partners ToO
- long term x-ray/opt monitoring
- Reporting tasks (real-time and updates)

IAP, Paris 2026, Mar 16-18th

Let's have a look at the BA/IS flowchart

https://forge.in2p3.fr/dmsf/files/27746/view

Questions ?