

# New SVOM Burst Advocate organisation

Damien Turpin

BA-F training workshop



# Reminder about the context

**The main message: 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.

# 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)



### VT IS

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

### MXT IS

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

### 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 Circulares (T-T0 < 24hr)

## FSC / CSC

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



### 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)

# What particularly matters for the BA-F



- You take care of the SVOM observation programs in case of a slew towards a False trigger or in the case of a slew requested but not executed (will be shown during the SVOM/ToO session)
- You mainly focus on performing the best follow-up possible for your burst with particular attention to our GFTs and LCOGT
- You stay the main point of contact to the external world
- You prepare the reports (mattermost, Wiki, JSOG -if needed-, GRB-SWG meetings)

## **Daily shift distribution (60/40)**

CN : 11:00 pm (J-1) - 1:30 pm UTC

FR: 1:30 pm - 11:00 pm UTC

**You only react to ECLAIRS localized triggers (exceptionally some interesting GRM only bursts localized by other missions)**

**You are not in charge of the follow-up of non-GRB targets**

(CAT alerts or GRB-INIT alerts related to known x-ray sources, except if our SHES-WG colleagues ask for help, let's stay flexible)

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

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

**Questions ?**