

iFSC-tools

The French BA tools for SVOM



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on behalf of
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and the whole SVOM FSC team



**SVOM Burst Advocate
workshop**

*Les Houches
May, 16th 2022*



The BA SVOM world

SVOM BA web interfaces

iFSC-tools
***This talk &
Hands-on session
17/05 morning***



CSC BA tools
***Liping's talk
&
Hands-on session
18/05 morning***





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SVOM Communication /notification interfaces



slack SVOM-BA
subject of discussions



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Astro-COLIBRI

Other tools
*subject of
discussions*

tachgsfc/
gcn.nasa.gov

General Coordinates Network web site



SVOM wiki

SVOM Communication /notification interfaces



slack

SVOM-BA

subject of discussions



Mails/Call



The BA SVOM world **needs well designed tools having identified interest for BA activities !**

SVOM BA web interfaces

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The iFSC-tools visualisations & management tools

2/ Monitoring of the VHF packet sequence
Satellite instruments

1/ The BA shifter calendar
*French BA shifts management and SVOM
BA calendar*

3/ The Space weather conditions
satellite and instruments

4/ The Mission status
satellite orbit, SAA & VHF antennas

5/ The VHF/X-band? alert products
ECLAIRs/GRM

6/ The VHF/X-band? follow-up products
MXT / VT

8/ GCN Notices/Circulars editors ?
French and Chinese BAs

**7/ The French ground-based
follow-up tel. products**
Colibri + robotic volunteered facilities ?



The iFSC-tools to help the BA for....

2/ Monitoring of the VHF packet sequence

*checking there are no satellite downlink pb or
VHF-FSC connection issues (IT IS NOT VHF-UI)*

1/ The BA shifter calendar

taking on his/her shifts for the current year

3/ The Space weather conditions

*checking the ECLAIRS/GRM data quality
and origin*

4/ The Mission status

*checking the ECLAIRS and GRM data quality
and packets sequences in real-time (IT IS
NOT VHF-UI)*

5/ The VHF/X-band? alert products

*validating the ECLAIRS/GRM trigger as a
real burst, communicate updated analysis
results via GCNs*



8/ GCN Notices/Circulars editors ?

To be discussed....

7/ The French ground-based follow-up tel. products

*identifying and validating the optical afterglow
counterpart
defining the degree of interest for further
follow-ups (and spectro)*

6/ The VHF/X-band? follow-up products

*identifying and validating the afterglow counterparts
defining the degree of interest for further follow-ups (and spectro)*

Hands-on session 17/05 tuesday
7.00 am to 10.30 am (UTC)



The Hands-on session 17/05

2/ Monitoring of the VHF packet sequence
Test & Feedbacks

1/ The BA shifter calendar
Test & Feedbacks

8/ GCN Notices/Circulars editors ?
To be discussed on Thursday afternoon

7/ The French ground-based
follow-up tel. products
To be discussed

6/ The VHF/X~~and~~ and follow-up products
Test & Feedbacks



3/ The Space weather conditions
satellite and instruments

4/ The Mission status
satellite orbit, SMA & VHF antennas

5/ The VHF/X~~and~~ and alert products
Test & Feedbacks

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Preview of the iFSC-tools

<https://fsc.svom.eu/ifsc-tools/login> (production version at CC Lyon)

<https://fsc.svom.org/ifsc-tools/login> (dev version at Virtual Data IJCLab)

You need an account at the FSC !

Feedback for the developments of iFSC-tools

(ask D. Turpin to have access : damien.turpin@cea.fr)

<https://cea.talkspirit.com/#/l/document/627e43691606900d687d7d35?type=text>



Things to keep in mind for further discussions

Will we need other tools than just iFSC and CSC BA tools for BA activities?



Will we need wiki page ? <https://forge.in2p3.fr/projects/ba-training2>

Modifier Surveiller ...

BA training

Core program training with Swift and Fermi-GBM alerts

Goals

The goals of this new BA training session is to test and validate the interfaces and tools we will need to perform the BA tasks in 2022 in the framework of the Core Program. Below are listed the tools and interfaces that we will test:

- Shift organization and tools
- FSC and CSC communication protocols
- SVOM follow-up system @ Xinglong and CSC communication
- CSC - BA tools interfaces
- BA tools monitoring pages for the validation of the optical counterparts

Presentations in meetings

- General system architecture (author: D. Turpin & Liping Xin)
- Kick-off meeting presentations (author: SVOM BA group)

General presentations about the BA training system

Documentation

- Burst Advocate Working Organization / PDF version (**not necessarily up-to-date**) [check here](#)
- Burst Advocate Working Procedure / PDF version (**not necessarily up-to-date**) [check here](#)
- [GCN Circular templates](#)

Draft about the BA working organization and working procedures

Useful links

- IFSC-tools
- Invitation to SVOM-BA Slack

Link towards the iFSC-tools & CSC BA tools + SVOM-BA Slack

Access to BA reports for training campaigns

Tutorials

1. What are the informations I can get form the BA training wiki pages? [check tutorial](#)
2. How to make my Burst Advocate final report? [check tutorial](#)

Tutorial about the BA training activities + BA report pages for the 2022 training

Training on Swift GRB alerts

Back-up



The VHF packet monitor at iFSC-tools (under dev.)

VHF packets reception

Messages	Reception progress	Reception detail																														
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