



BA tools

4th Svom Scientific Workshop at Nanning
October 16, 2019

Agenda 1/2 (45')

... before the GRM workshop (from 14:15 to 17:05) ...

Part I - Overview of the current situation

- Introduction on the required developments for Svom users (Burst Advocates and General Program) - B.Cordier & J.Weil
- Svom BA requirements for the Svom project - A.Claret
- BA-O3 interface developed at NAOC - D.Turpin
- (live) Demo of the prototype developed by LAM - C.Moreau
(if sufficient time before the GRM workshop)

Part II - Joint discussion for optimizing the Fr/Ch efforts

- Review of possible strategies (slides prepared by C.Moreau)

Agenda 2/2

... after the GRM workshop (from 14:15 to 17:05) ...

Part III - Resuming discussions

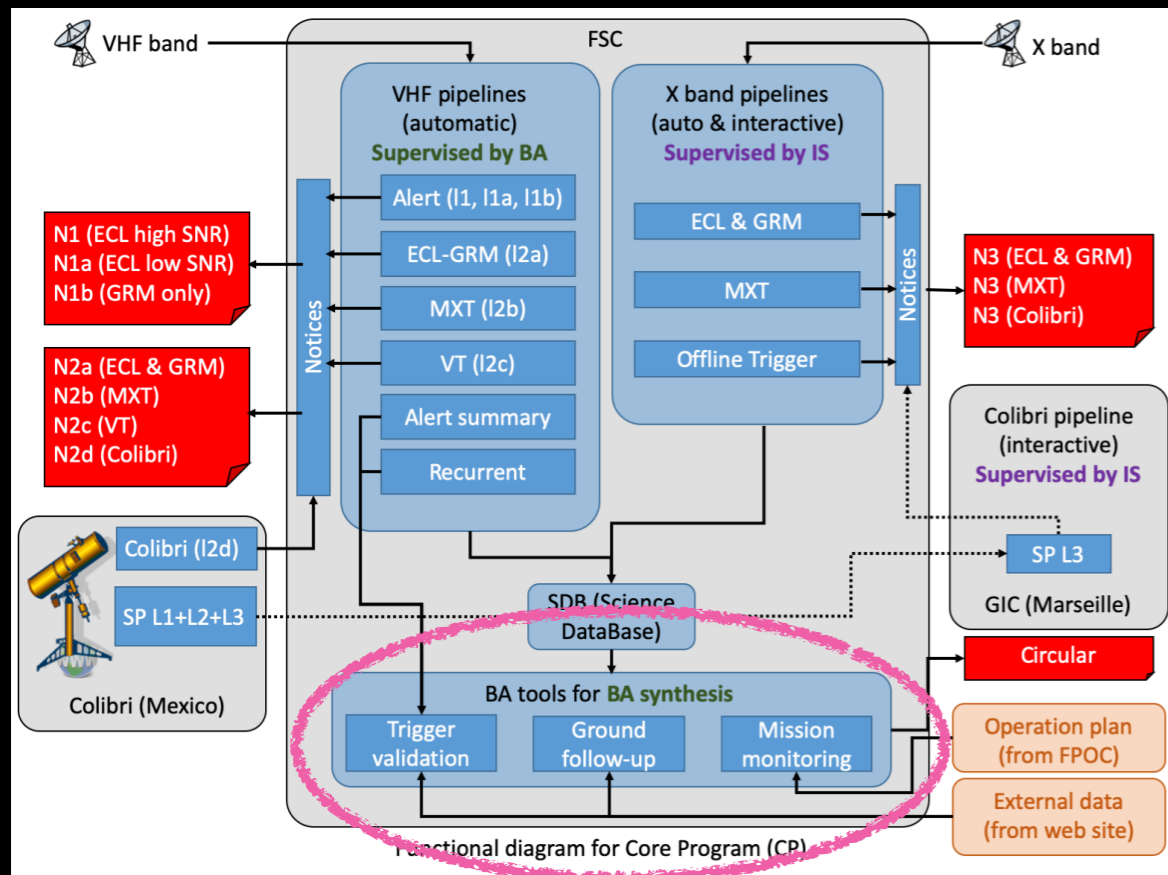
- Review of technical questions for optimising joint efforts for developing BA tools
- Already discussed in the light of the O3 run
 - Proposal for O3 BA tools
 - How many BAs for a shift?
 - The role of the BA assistants / BA manager

Minutes and list of actions

Required developments for Svom users (BA and GP) at mission level

Some words by the PIs Jianyan Wei and Bertrand Cordier

BA tools at FSC, what for?



In terms of development...

'Relatively' small efforts

Bigger efforts

1. validate the trigger

- ★ the BA monitors the background level of ECLAIRs, SAA, solar and geomagnetic activities
- ★ input data = VHF recurrent packets, web sites

2. monitor mission operations

- ★ the BA monitors the VHF network status, delay before receiving X-band data, weather conditions on ground
- ★ input data = VHF packets, OEF file, web sites

3. ground follow-up observations

- ★ the BA supervises the results of French and Chinese telescopes (GFTs, GWAC), ...
- ★ the BA supervises publications (notices, circulars)

Next milestones

- **Data challenge DC1** (end 2019)

Goal: only VHF data for Core Program and X-Band data for General Program with simple observing scenario, no BA tools

- **BA school at Les Houches** (March 16, 2020)

*Goal: first tutorial open to the community
Hands-on → we need a tool*

- End of O3 run (April 2020, + 2 months TBC)

- **Data challenge DC2** (end 2020)

Goal: more modules of scientific pipelines and more BA tools (eg. trigger validation, mission monitoring) with more complex observing scenario

Conclusion

- Not so much time before important milestones next year (data challenge DC1, Les Houches school)
- Important developments have been done both on Chinese and French sides
- Enough experience acquired during the O3 run
- Here and now seem to be the right place and time to make concrete decisions about how to optimize joint efforts for developing tools