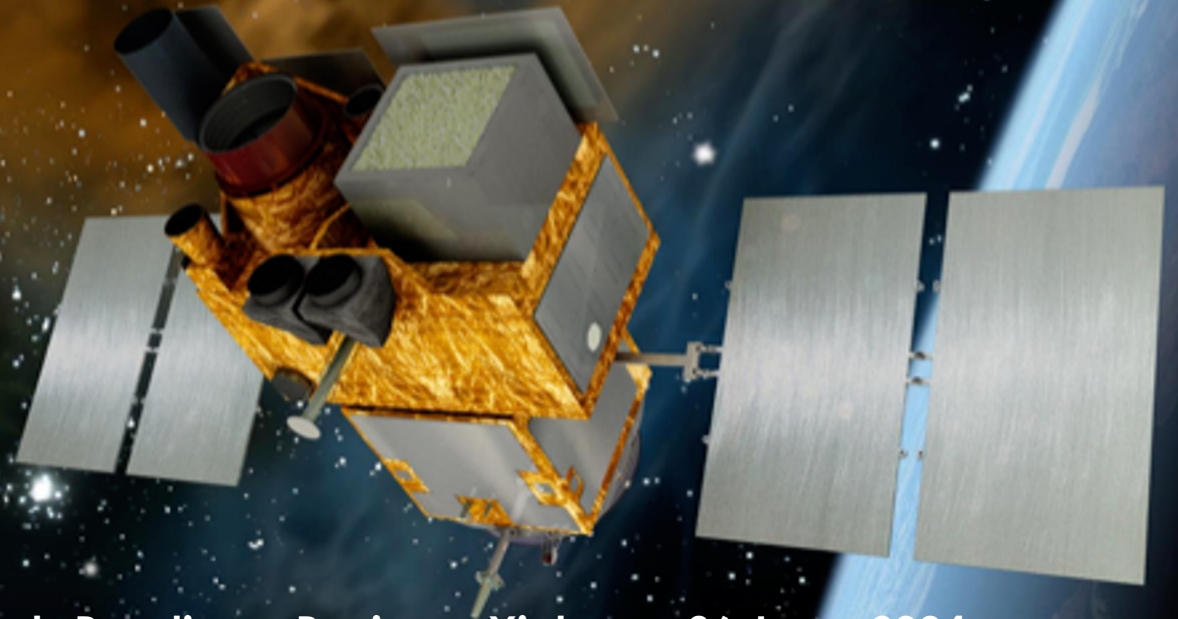# Scientific Products for the Core Program

**F. Daigne (IAP) on behalf of all the labs involved
(CEA, CPPM, GEPI, IAP, IJCLab, IRAP, LAM, LUPM, ObAs – NAOC, IHEP)**

SVOM Science Products Readiness Review – Xichang, 26 June, 2024

Conventions

Development status:
- **Expected** = in expected state for the launch

  ≠ final state – Post-launch developments will be necessary for high-level products
- **Intermediate** = physical content, but developments still on-going
- **Basic** = product is generated but content is very basic

VHF: preproc/general services

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
ECL	vhf-preproc	OBALERT_ECL, OBALERTD_ECL	alert (time, loc. SNR)	deployed	yes / expected	CEA	Success
		OBLC_ECL	on board light curves	deployed	yes / expected	CEA	Success
GRM	vhf-preproc	OBALERT_GRM	alert	deployed	yes / expected	CEA	Success
		OBLC_GRM	on board light curves	deployed	yes / expected	CEA	Success
		OBCSP_GRM_GRD[i]	on board spectrum	not deployed	yes / intermediate	IHEP/CEA	Not deployed (finalization when X band spec. analysis is stabilized)
		OBBCSP_GRM_GRD[i]	on board bkg spec.	not deployed	yes / intermediate	IHEP/CEA	
MXT	vhf-preproc	OBPOS_MXT	position	deployed	yes / expected	CEA	Success
		OBPHOTL_MXT	photon list	deployed	yes / expected	CEA	Success
VT	vhf-preproc	OBATT_VT	attitude chart (R, B)	deployed	yes / expected	CEA	Success
		OBFIND_VT	finding chart (R, B)	deployed	yes / expected	CEA	Success
		OBIM1B_VT	1 bit subimage	deployed	yes / expected	CEA	Success
General	vhf-preproc	PDPU_GRB, OBCNT_GPM	slew status, particle monitor	deployed	yes / expected	CEA	Success
		GRB_SUM	alert status summary	not deployed	yes / intermediate	CEA	Not deployed (tested locally, new spec. under implementation)
	vhf-attitude	SVO-ATT-VHF, SVO-ORB-VHF, SVO-ANG-VHF, SVO-ANG-TLE	attitude, orbital position	deployed	yes / expected	CEA	Success

Pipelines CP: ECL & GRM (VHF)

Data Product Level: Q2 ; Input = from vhf-preproc

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
ECL	eclgrm-vhf	QLC_ECL	lightcurves	deployed	yes / expected	IAP-LUPM	Success
		QPF_ECL	peak flux	deployed	yes / expected	IAP-LUPM	Success
		QT90_ECL	duration	deployed	yes / expected	IAP-LUPM	Success
		QHR_ECL	hardness ratio	deployed	yes / expected	IAP-LUPM	Success
		CRCLASS	classification	deployed	yes / intermediate	IRAP	Success
GRM	eclgrm-vhf	QLC_GRM	lightcurves	deployed	yes / expected	IAP-LUPM	Success
		QPF_GRM	peak flux	deployed	yes / expected	IAP-LUPM	Success
		QT90_GRM	duration	deployed	yes / expected	IAP-LUPM	Success
		QHR_GRM	hardness ratio	deployed	yes / expected	IAP-LUPM	Success
		QPO_GRM	quick position	not deployed	yes / intermediate	IHELP/IAP-LUPM	Not deployed (ongoing integration, no atm. scatt.)
		QSP_GRM, QDRM_GRD[i]	quick spectrum, response	not deployed	no / basic	IHEP/LUPM	Not deployed (finalization when X band spec. analysis is stabilized)
		CRCLASS	classification	deployed	yes / intermediate	IRAP	Success
ECLGRM	eclgrm-vhf	QHR_ECLGRM	hardness ratio	deployed	yes / expected	IAP-LUPM	Success
		CRCLASS	classification	deployed	yes / intermediate	IRAP	Success

Note on CRCLASS: launch version – Future version will use Machine Learning, needs training.

Pipelines CP: MXT & VT (VHF)

Data Product Level: Q2 ; Input = from vhf-preproc

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
MXT	**mxt-ql**	DT_MXT	time	deployed	yes / expected	IJCLAB	Success
		QPO_MXT	position	deployed	yes / expected	IJCLAB	Success
		QF_MXT	flux	deployed	yes / expected	IJCLAB	Success
		QLC_MXT	light curve	deployed	yes / expected	IJCLAB	Success
		QTI_MXT	temp. decay index	deployed	yes / intermediate	IJCLAB	Success
	mxt-xvhf-cp	QIMAGE_MXT	image	deployed	yes / expected	ObAS	Success
		QSRCLIST_MXT	source list	deployed	yes / expected	ObAS	Success
VT	**vvpp**	QSRCLIST_VT	source list	deployed	yes / expected	NAOC-GEPI	Success
		QSKY_VT	astrometric calib.	deployed	yes / expected	NAOC-GEPI	Success
		QIM1B_VT	1 bit subimage	deployed	yes / expected	NAOC-GEPI	Success
	vtac	QPO_VT	position	deployed	yes / expected	GEPI	Success
		QCANDI_VT	time, flux, light curve, temp. Decay index	deployed	yes / expected	GEPI	Success

Note on QTI_MXT: more sophisticated fits to be implemented

Notices CP: N1 & N2 levels

These notices are generated and sent automatically.

Service for the emission of the notices
Content is generated in many labs: see previous slides

Notice level	Notice		Input		Status	Dev. status	Labs	Readiness
N1 (trigger)	N1e	ECL: trigger, localization	vhf-preproc	OBALERT_ECL, OBALERTD_ECL, PDPU_GRB	deployed	expected	CEA	Success
	N1g	GRM: trigger, 3GRDs: raw localization	eclgrm-vhf	OBALERT_GRM	deployed	expected	CEA	Success
N2 (burst properties)	N2e	ECL: burst properties	eclgrm-vhf	QLC_ECL, QPF_ECL, QT90_ECL, QHR_ECL, CRCLASS	deployed	expected	CEA	Success
	N2g	GRM: burst properties	eclgrm-vhf	QLC_GRM, QPF_GRM, QT90_GRM, QHR_GRM, CRCLASS	deployed	expected	CEA	Success
	N2j	ECLGRM: burst properties	eclgrm-vhf	QHR_ECLGRM, CRCLASS	deployed	expected	CEA	Success
N2 (follow-up)	N2m	MXT: localization	mxt-xvhf-cp &mxt-ql	QSRCLIST_MXT, QPO_MXT,	deployed	expected	CEA	Success
	N2v	VT: localization	vvpp, vtac	QSRCLIST_VT, QPO_VT	not deployed	basic	CEA	Not deployed (precise content under definition)
	N2f	GWAC, C-GFT, F-GFT observations	Human being involved, CSC-to-FSC transfer Technically tested, scientifically not validated		deployed	expected	CEA	Success

Notices CP: N3 & Circulars

These notices or circulars are sent after <u>IS validation</u> (and BA analysis)

Notices N3 :
- on-board trigger : final notice (validation, retractation)
- offline trigger
- confirmed counterpart on external trigger (ToO)

Service for the emission of the notices
Content is generated in many labs: see previous slides

Notice level	Notice		Input	Status	Dev. status	Labs	Readiness
N3	N3e	ECL obs	All available data, including X band	not deployed	Not started	CEA	Not deployed
	N3g	GRM obs		not deployed	Not started	CEA	Not deployed
	N3j	ECLGRM obs		not deployed	Not started	CEA	Not deployed
	N3m	MXT obs		not deployed	Not started	CEA	Not deployed
	N3v	VT obs		not deployed	Not started	CEA	Not deployed
	N3f	GWAC/C-GFT/F-GFT obs		not deployed	Not started	CEA	Not deployed

Circulars:
- High-energy circular (ECL, GRM, MXT):
readiness=success (CEA) (pre-filled template ready & available) - VHF only – goal = < 1h
- Optical circular (VT, GWAC, C-GFT, F-GFT):
readiness=success (NAOC) (pre-filled template, ready & available) - VHF only for VT – goal = as fast as possible
- Final circulars per instrument (equivalent to N3 level) ? : to be discussed – readiness = not deployed

Notices CP: N3 & Circulars

These notices or circulars are sent after <u>IS validation</u> (and BA analysis)

Notices N3 :
- on-board trigger : final notice (validation, retractation)
- offline trigger
- confirmed counterpart on external trigger (ToO)

Service for the emission of the notices
Content is generated in many labs: see previous slides

Notice level	Notice	Input	Status	Dev. status	Labs	Readiness
N3						Deployed
						Deployed
						Deployed
						Deployed
						Deployed
						Deployed

Circula
- High-
readines
- Optic
readines
- Final

After discussion on notices and circulars:

1- at the beginning of the mission, N2 notices should not be sent automatically but the content should be validated first

2- timescale is not the same for all instruments of the visible/NIR follow-up (GWAC/GFTs) $\Rightarrow$ the possibility of having separated N3f and optical circulars per instrument should be discussed.

3- both N3 notices and final circulars per instrument are needed (for the optical/NIR follow-up, a unique final circular may be preferable).

X-band: general services

Data Product Level: L1

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
General	aux-hk-preproc	SAA-EXT-ECL, SAA-DEEP-ECL, SAA-EXT-MXT	SAA contour tables	deployed	yes / expected	CEA	Success
	xband-preproc	SVO-ANG-CNV, SVO-ATT-CNV, SVO-ROB-CNV	attitude, orbital position tables	deployed	yes / expected	CEA	Success
	mxt-xband-cp	OBS-ANG-CNV, OBS-ATT-CNV, OBS-ROB-CNV	attitude, orbital position for one observation	deployed	yes / expected	OBaS	Success

X-band: preproc ECL & GRM

Data Product Level: L1 (TBC: AUXCAL_VT = L2?)

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
ECL	xband-preproc	ECL-EVT-SEC	Single events energy coded	deployed	yes / expected	CEA	Success
		ECL-EVT-TFE	Time-frame events	deployed	yes / expected	CEA	Success
		ECL-SES-MEE, ECL-SES-MEC, ECL-SES-MEA	Multiple events (per ELS/energy coded/per ASIC)	deployed	yes / expected	CEA	Success
		ECL-EVT-SES	Single satured events	deployed	yes / expected	CEA	Success
		ECL-HKP	House keeping	deployed	yes / expected	CEA/APC	Success
		ECL-NOISY-PIX	Noisy pixels	deployed	yes / expected	CEA/APC	Success
GRM	CSC to FSC transfer	GRM-ATT, GRM-ORB	Attitude, orbit. pos. (every 1s)	deployed	yes / intermediate	IHEP	Failed (more transfer tests to be performed)
		GRM-AUX	Auxiliary data (every 1s)	deployed	yes / intermediate	IHEP	
		GRM-HK	House keeping	deployed	yes / intermediate	IHEP	
		GRM-EVT, GRM-EVT-TRIG, GRM-EVT-BURST	Time-tagged event data (all/for a trigger/for a confirmed burst)	deployed	yes / intermediate	IHEP	
		GRM-SPECHIST, GRM-SPECHIST-TRIG	L1 data accumulated for 10 s in 64 channels (all/for a trigger)	deployed	yes / intermediate	IHEP	

X-band: preproc MXT & VT

Data Product Level: L1 & L2 (AUXCAL_VT)

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
MXT	**xband-preproc**	MXT-EVT-CNV	Photon events	deployed	yes / expected	CEA	Success
		MXT-EVT-CFG	MXT configuration	deployed	yes / expected	CEA	Success
VT	**vxpp**	IMARAW_VT	Raw image	deployed	yes at CSC / intermediate	NAOC	Success[*]
		AUXCAL_VT	Auxiliary data	deployed	yes at CSC / intermediate	NAOC	Success[*]

Status deployed[*] : deployed at CSC and an interface will be provided (BA-tools)

Readiness success[*]: deployed at CSC, no transfer at FSC (not expected)

Pipelines CP: ECL (X band)

Data Product Level: L2
Not shown: eclairs-pipeline, see Andrea Goldwurm's presentation
L2: ECL-PIX-LIF, ECL-EVT-COR, ECL-EVT-CAL, ECL-GTI-CAL, ECL-DET-UBC, ECL-EAR-OFM, ECL-GTI-UBC, ECL-DET-IMA, ECL-DET-BKG
L3: ECL-SOP-IMA, ECL-SKY-IMA, ECL-DET-MOD, ECL-EVS-SOE, ECL-LCS-SOE, ECL-LCI-OFM, ECL-SPS-SOE, ECL-SKY-MOS, ECL-SOP-MOS

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
ECL	**eclgrm-xband**	CLC_ECL	Count lightcurbe	deployed	yes / expected	IAP-LUPM	Success
		PO_ECL	Position	deployed	yes / expected	IAP-LUPM	Success
		T90_ECL	Duration	deployed	yes / expected	IAP-LUPM	Success
		DRM_ECL	Detector response matrix	Not deployed	no / basic	IAP-LUPM	Not deployed (CALDB ready, integration started)
		CSP_ECL_ECL	Spectrum: total (counts)	deployed	yes / intermediate	IAP-LUPM	Success
		BCSP_ECL_ECL	Spectrum: bkg model (counts)	deployed	yes / intermediate	IAP-LUPM	Success
		MCSP_ECL_ECL	Spec.: signal model (counts)	deployed	yes / expected	IAP-LUPM	Success
		SP_ECL	Spectrum/lightcurve (photons)	deployed	yes / intermediate	IAP-LUPM	Success
		HR_ECL	Hardness ratio	deployed	yes / expected	IAP-LUPM	Success
		LAG_ECL	Time lags	deployed	yes / intermediate	IAP-LUPM	Success
	offline-trigger	ECL-OFT-RES	Offline trigger	deployed	yes / intermediate	IRAP	Success

Note : LISO_ECL & EISO_ECL to be included in SP_ECL

Pipelines CP: GRM (X band)

Data Product Level: L2

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
GRM	**GRM-IC pipeline**	CLC_GRM	Count lightcurve	deployed	yes / intermediate	IHEP	Success*
		PO_GRM	Position	deployed	yes / intermediate	IHEP	Success*
		T90_GRM	Duration	deployed	yes / intermediate	IHEP	Success*
		DRM_GRD[i]	Detector Response Matrix	deployed	yes / intermediate	IHEP	Success*
		CSP_GRM_GRD[i]	Spectrum: total (counts)	deployed	yes / intermediate	IHEP	Success*
		BCSP_GRM_GRD[i]	Spectrum: bkg model (counts)	deployed	yes / intermediate	IHEP	Success*
		MCSP_GRM_GRD[i]	Spec.: signal model (counts)	deployed	yes / intermediate	IHEP	Success*
		SP_GRM	Spectrum/lightcurve (photons)	deployed	yes / intermediate	IHEP	Success*
		HR_GRM	Hardness ratio	deployed	yes / intermediate	IHEP	Success*
		LAG_GRM	Time lags	deployed	yes / intermediate	IHEP	Success*

Readiness success*: deployed at GRM-IC but no transfer to FSC yet

Note : LISO_GRM & EISO_GRM to be included in SP_GRM

Pipelines CP: ECLGRM (X band)

Data Product Level: L2

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
ECLGRM	eclgrm-xband	CLC_ECLGRM_GRM	Count lightcurve	deployed	yes / expected	IAP-LUPM	Erroneous*
		DRM_ECLGRM_GRD[i]	Detector Response Matrix	not deployed	no / basic	IAP-LUPM	Not deployed
		CSP_ECLGRM_ECL	Spectrum: total (counts)	deployed	yes / intermediate	IAP-LUPM	Success
		CSP_ECLGRM_GRD[i]]	Spectrum: total (counts)	deployed	yes / intermediate	IAP-LUPM	Erroneous*
		BCSP_ECLGRM_ECL	Spectrum: bkg model (counts)	deployed	yes / intermediate	IAP-LUPM	Success
		BCSP_ECLGRM_GRD[i]	Spectrum: bkg model (counts)	deployed	yes / intermediate	IAP-LUPM	Erroneous*
		MCSP_ECLGRM_[ECL,GRD[i]]	Spec.: signal model (counts)	deployed	yes / expected	IAP-LUPM	Success
		SP_ECLGRM	Spectrum/lightcurve (photons)	deployed	yes / intermediate	IAP-LUPM	Success
		HR_ECLGRM	Hardness ratio	deployed	yes / expected	IAP-LUPM	Success
		LAG_ECLGRM	Time lags	deployed	yes / intermediate	IAP-LUPM	Success

Readiness Erroneous*: ongoing = interface to GRM L1 data

Note : LISO_ECLGRM & EISO_ECLGRM to be included in SP_ECLGRM

Pipelines CP: MXT (X band)

Data Product Level: L2+L3 for source list

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
MXT	**mxt-xband-cp**	MXT-SKY-IMA	Sky image	deployed	yes / expected	ObAS	Success
		MXT-SRC-PS	Power spectrum	deployed	yes / expected	ObAS	Success (launch version w/o bkg model for spectral fitting)
		MXT-EVT-CAL	Calibrated events	deployed	yes / expected	ObAS	Success
		MXT-SRC-SP	Spectrum	deployed	yes / expected	ObAS	Success
		MXT-SRC-LC	Light curve	deployed	yes / expected	ObAS	Success
		MXT-SOP-IMA	Source list	deployed	yes / expected	ObAS	Success (detection algo to be optimized)

Pipelines CP: VT (X band)

Data Product Level: L2

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
VT	**vxpp**	SKYCAL_VT	Instrument calibration image	deployed	yes at CSC / intermediate	NAOC	Success*
		IMACAL_VT	Calibrated image	deployed*	yes at CSC / intermediate	NAOC	Success*
		IMASTK_VT	Stacked image	deployed*	yes at CSC / intermediate	NAOC	Success* (to be optimized)
		IMAMOS_VT	Mosaic image	deployed*	yes at CSC / intermediate	NAOC	Success*
		CANDI_VT	Candidate properties (position, finding chart, flux/upper limit, lightcurve)	deployed*	yes* / expected	NAOC	Success*

Status deployed* : deployed at CSC and an interface is provided (BA-tools)

Data Model yes* : presently available at FSC but will be updated only at CSC

Readiness success*: deployed at CSC, no transfer at FSC (not expected)

Pipelines CP: GWAC

Data Product Level: L1 (GWAC-OP) & L2 (GWAC-SP)

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
GWAC	**GWAC-QP (quicklook)**	QDT_GWAC	Detection time	deployed*	yes at CSC / expected	NAOC	Success*
		QPO_GWAC	Position	deployed*	yes at CSC / expected	NAOC	Success*
		QF_GWAC	Flux	deployed*	yes at CSC / expected	NAOC	Success*
		QLC_GWAC	Light curve	deployed*	yes at CSC / expected	NAOC	Success*
		QUPLIM_GWAC	Upper limit	deployed*	yes at CSC / expected	NAOC	Success*
	GWAC-SP	CANDI_GWAC	Candidate properties (position, finding chart, flux/upper limit, lightcurve)	deployed*	yes at CSC / expected	NAOC	Success*
		RAWOBJIM_GWAC	Raw image	deployed	yes at CSC / expected	NAOC	Success*
		RAWCALIB_GWAC	Raw image for calibration (bias, dark, flat)	deployed	yes at CSC / expected	NAOC	Success*
		CALIBEDIM_GWAC	Calibrated image	deployed	yes at CSC / expected	NAOC	Success*

Status deployed* : deployed at NAOC and an interface is provided (BA-tools)

Readiness success*: deployed at NAOC, no transfer at FSC (not expected)

Pipelines CP: F-GFT (Colibri)

Data Product Level: L1 (Q*) & L2

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
Colibri	**gp1-pipeline**	QDT_GFT_FGFT	Quick detection time	deployed	yes / expected	CPPM	Success
		QPO_GFT_FGFT	Quick position	deployed	yes / expected	CPPM	Success
		QF_GFT_FGFT	Quick flux	deployed	yes / expected	CPPM	Success
		QUPLIM_GFT_CGFT	Quick upper limit	deployed	yes / expected	CPPM	Success
		QLC_GFT_FGFT	Quick lightcurve	deployed	yes / expected	CPPM	Success
		QTI_GFT_FGFT	Quick temporal decay index	deployed	yes / expected	CPPM	Success
		DT_GFT_FGFT	Detection time	deployed	yes / expected	CPPM	Success
		PO_GFT_FGFT	Position	deployed	yes / expected	CPPM	Success
		F_GFT_FGFT	Flux	deployed	yes / expected	CPPM	Success
		LC_GFT_FGFT	Lightcurve	deployed	yes / expected	CPPM	Success

To be discussed:
PARAM_LC_GFT_FGFT ?
PHZ (photometric redshift) – AV_AG_LOC (absorption: MW) – AV_AG_HOST (absorption: host)

Pipelines CP: C-GFT

Data Product Level: L1 (Q*) & L2

Instru.	Pipeline	Products		Status	Data Model/ Dev. status	Labs	Readiness
C-GFT	**CGPP-QP (quicklook)**	QDT_GFT_CGFT	Detection time	deployed*	yes* / expected	NAOC	Success*
		QPO_GFT_CGFT	Position	deployed*	yes* / expected	NAOC	Success*
		QF_GFT_CGFT	Flux	deployed*	yes* / expected	NAOC	Success*
		QUPLIM_GFT_CGFT	Upper limit	deployed*	yes* / expected	NAOC	Success*
		QLC_GFT_CGFT	Light curve	deployed*	yes* / intermediate	NAOC	Not deployed (under local test)
		QTI_GFT_CGFT	Temporal decay index	deployed*	yes* / intermediate	NAOC	
	CGPP-SP	CANDI_GFT_CGFT	Candidate properties (position, finding chart, flux/upper limit, lightcurve)	deployed*	yes at CSC / intermediate	NAOC	Not deployed (under local test)
		RAWOBJIM_GFT_CGFT	Raw image	deployed	yes at CSC / intermediate	NAOC	Not deployed* (under local test)
		RAWCALIB_GFT_CGFT	Raw image for calibration (bias, dark, flat)	deployed	yes at CSC / intermediate	NAOC	
		CALIBEDIM_GFT_CGFT	Calibrated image	deployed	yes at CSC / intermediate	NAOC	

Status deployed* : deployed at CSC and an interface is provided (BA-tools)

Data Model yes* : presently available at FSC but will be updated only at CSC

Readiness success*: deployed at CSC, no transfer at FSC (not expected)
Readiness not deployed*: will be deployed at CSC, transfer at FSC not expected

SVOM GRB Public Table (1) Goal

= CP Public Server

Purpose: a web interface for non-SVOM members to access the public science products.

Features to be developed in priority:
- **SVOM GRB table with basic information (customizable by the user)**
- **Tools to search/filter this GRB Table**
- **Every GRB in the table is clickable to access all public science products**
- **Will also contain summary plots (localizations / multi-instrument lightcurves / …) / notices**
- **May be used to provide links to skymaps/lightcurves in circulars**
- **Can be enriched with external information (e.g. taken from GCN or a public database or a paper, …)**
  examples: GRB name (GRBYYMMDDA,B,C)
  l.o.s. attenuation in MW – spectroscopic redshift – host galaxy
  radio detection – VHE detection - etc.

  To be discussed: interface to upload such information/who is in charge?

More features can be implemented later (e.g. statistics/summary plots/… for the SVOM GRB sample)

SVOM GRB Public Table (2) Status

Specs/validation: IAP + all labs involved in the SVOM CP

Development: LAM

Development status:
- **Prototype under construction, based on iFSC-tools**
- **Present stage:**
  - **SVOM GRB table with basic information (customizable by the user)**
  - **Tools to search/filter this GRB Table**
  - **Every GRB in the table is clickable to access all public science products**
    = present version = adapted version of iFSCtools
    = on-going work, starting with ECL & GRM

- **To be implemented in priority:**
  - **MXT, VT VHF, F-GFT then VT X band, GWAC, C-GFT**

    (to be discussed: interface for VT X band, GWAC, C-GFT)

  - **Interface for external information**

CP Public Server (1) Search

CP Public Server (2) Table

SVOM GRBs search

Select GRB Quick-Look data, add criteria, select output parameters and display results

Dataset selection — Add criteria — Select output columns — Display results

Request informations

3 rows found in the **SVOM GRBs** dataset.

No criteria selected for this search.

Downloads [All results], of this view

Download result table

[📄 JSON] [📊 CSV] [📄 ASCII]

Result table

burst_name	tb_utc_ecl	snr_ecl	ra_ecl	dec_ecl	t90_ecl	tb_utc_grm	snr_grm	ra_grm	dec_grm	t90_grm	classification
sb23041800	2023-04-18T00:00:47.758	10.00	169.934	2.925							
sb23041800Full	2023-04-18T00:00:47.758	10.00	169.934	2.925	32.79						97
sb24012501	2024-01-17T12:41:23.352	3.66	43.391	36.487	5.01	2024-01-18T01:04:54.100	11.00			2.57	77

Show [10 ⇅] entries

← Select output columns

© ANIS 2014 - 2024

CP Public Server (3) GRB page

For development

Burst ID : sb24012501

SAMP access ?   Register to a SAMP-hub

| ECL/GRM | MXT | VT | GFT | Localisation | Products | Packets | Notices |

ECLAIRs & GRM data products

EIC web site

Trigger Time ?   11 Pck   ▼ ECL **Tb[s]:** 222916194.709222, **TbUTC:** 2024-01-25T01:09:54.709

Confidence Level ?   11 Pck   ▼ ECL **SNR:** 224.91

Quick Position ?   11 Pck   ▼ ECL **RA,Dec :** 212.655, 29.701 **R90:** 3.34'   Deg HMS

▼ **Light Curves - ECLAIRs** ?

CP Public Server (3) GRB page
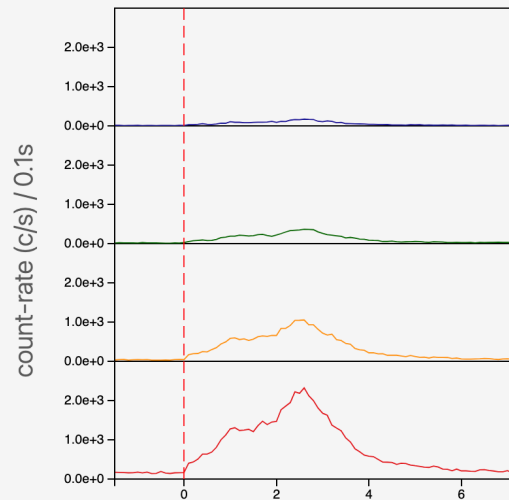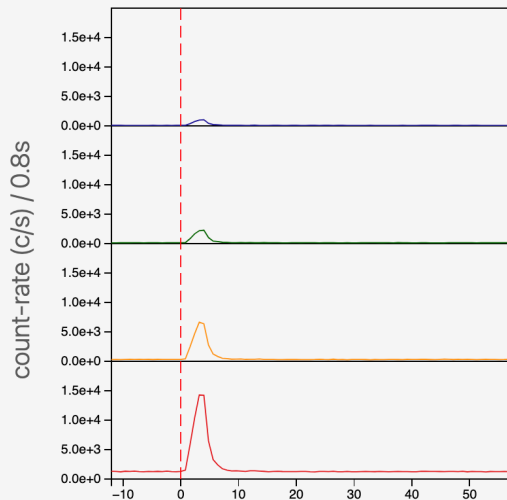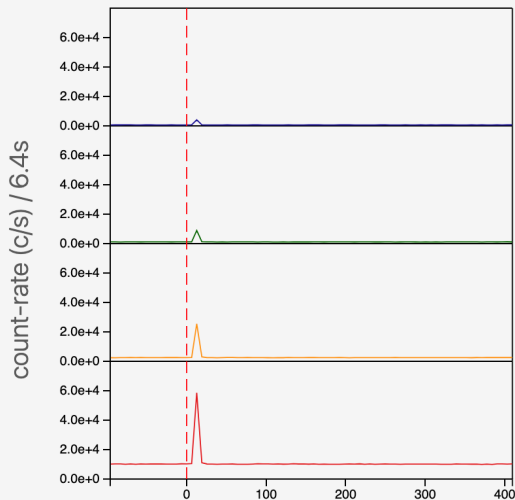
Conclusion:

- **Statisfactory level of readiness!**

- **On-going work:**   state of readiness should be even higher at the end of the commissioning phase

- **Open issues : should now be considered with a high priority**
  - **Interfaces/transfer:**   * GRM: CSC to FSC transfer (X band)
    * Interface CSC-FSC for VT X band / GWAC / C-GFT

  - **Notices & circulars:**   * notice N2v
    * notice N3* / final circulars

  - **SVOM Public GRB Table**

Conclusion:

- **Statisfactory level of readiness!**

- **On-going work:** **state of readiness should be even higher at the end of the commissioning phase**

- **Open issues : should now be considered with a high priority**
  - **Interfaces/transfer:** * GRM: CSC to FSC transfer (X band)
    * Interface CSC-FSC for VT X band / GWAC / C-GFT

  - **Notices & circulars:** * notice N1b

After discussion: we have to distinguish between
- the science products listed here, that are mainly generated for the alert and rapid follow-up. They must be available via interfaces which are adapted to the use by the Burst Advocate.
- the whole data, that should be accessible by all SVOM co_Is but not necessarily via the same interfaces.

Conclusion:

- **Statisfactory level of readiness!**

- **O**

- **O**

Clarifications following the discussion:

- the SVOM Public GRB Table will describe precisely its content for the users: (i) the public science products generated by SVOM. These are mostly products generated automatically and are not the final results as they will appear on a longer timescale in published catalogs ; (ii) additional external information, for which we do not garantee the completeness.

- The priority is of course item (i). Regarding item (ii), the priority is probably the redshift, and then it will be developed on a best effort basis.

* notice N3* / final circulars

- **SVOM Public GRB Table**