

# ifsc-Tools

<https://fsc.svom.eu/ifsc-tools/>

Web application dedicated for the SVOM Burst Advocates



# HOME



the BA can access to several modules

The screenshot shows the iFSC Tools web interface. The navigation bar includes: Home, GRB, ToO, Shifts, Mission, GRB Simulator, Documentation, and Chinese SVOM-BA Tools. The main content area features five modules:

- GRB Mode**: This mode allows you to follow the GRB. Callout: to list the GRB and display all products available
- ToO Mode**: This mode allows you to follow the ToO. Callout: to follow the ToO
- Shifts Calendar**: This mode allows you to manage the french Shifts. Callout: to manage the french Shifts
- Mission Mode**: This mode allows you to monitor the mission informations. Callout: to monitor the mission informations
- GRB Simulator Mode**: This mode allows you to monitor triggers for trainings. Callout: to monitor GRB sequences for trainings

Footer: © 2020-2022 - iFSC-Tools - Made by LAM/CeSAM-SI. Logos for CeSAM-SI, LAM, CNRS, Aix-Marseille université, and CNRS INSU are present.



GRB Mode

# GRB List



The BA can list all GRB.

SVOM Home GRB ToO Shifts Mission GRB Simulator Documentation Chinese SVOM-BA Tools 2021-10-20 01:34 PM (UT) User

## GRB list

new	burst_id	created
	sb21092915	2021-10-20 13:34:36.330666
	sb21092912	2021-10-13 15:12:25.419119

Showing 10 of 2 items

« < 1 > »

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GRB Mode



# Products List



Burst ID : **sb24011954**

[ECL/GRM](#)
[MXT](#)
[VT](#)
[GFT](#)
[Localisation](#)
[Packets](#)
[Notices 0](#)

**ECLAIRs & GRM data products** [EIC web site](#)

Trigger Time ?	3 Pk	T0: 2024-01-19T12:59:54.410	Show/Hide history	Download
Quick Confidence Level ?	3 Pk	SNR: 11	Show/Hide history	Download
Quick position ?	3 Pk	Ra, Dec: 169.765, 3.301 R90: 7.0'	Show/Hide history	Download
On-board count light curves - ECL ?	xx Pk HP	xx Pk LP		Download

Counts / 6.4s

T-T0

Counts / 0.8s

T-T0

Counts / 0.1s

T-T0



GRB Mode



# GFT Products



Burst ID : **sb24011954**

ECL/GRM   MXT   VT   **GFT**   Localisation   Packets   Notices 0

F-GFT data products [GIC web site](#)

Detection time ⓘ

Candidat Id	DT	Instrument	Filter	Target Id	Obs Id	<a href="#">↓</a>
J032655_463900	2024-01-19T13:00:49	DDRAGO-R	R	20200729_123232	112345	
J032736_462401	2024-01-19T13:00:49	DDRAGO-R	R	20200729_123232	112345	
J032655_463900	2024-01-19T13:00:49	DDRAGO-B	Z	20200729_123232	112345	
J032736_462401	2024-01-19T13:00:49	DDRAGO-B	Z	20200729_123232	112345	

Quick position ⓘ

Candidat Id	RA/DEC	Instrument	Filter	Target Id	Obs Id	<a href="#">↓</a>
J032655_463900	169.75 / 3.412	DDRAGO-R	R	20200729_123232	112345	
J032736_462401	169.8 / 3.462	DDRAGO-R	R	20200729_123232	112345	
J032655_463900	169.75 / 3.412	DDRAGO-B	Z	20200729_123232	112345	
J032736_462401	169.8 / 3.462	DDRAGO-B	Z	20200729_123232	112345	

C-GFT data products

QUPLIM ⓘ

Candidat Id	Tile Num	Instrument	Filter	Target Id	Obs Id	<a href="#">↓</a>
gJ169.77739+3.10851	0	CGFT3CH-g	g		0	



Add :

- DT\_GFT\_FGFT
- QPO\_GFT\_FGFT
- QUPLIM\_GFT\_CGFT



GRB Mode



# Localisation



## SAMP Access

Localisation Display

SAMP access ?
Register to a SAMP-hub

RaJ2000 / DecJ2000
Position values

ECLAIRs
  Best ErrBox
  All ErrBox
 Color swatches: yellow, orange
⌘

▼ Show/Hide Positions

SRC	RAJ2000	DECJ2000	errorBox
ECLAIRs-1	169.777	3.108	11.0 '
ECLAIRs-2	169.75	3.412	9.62 '
ECLAIRs-3	169.765	3.301	7.0 '

VT
  Best ErrBox
  All ErrBox
 Color swatches: yellow, yellow
⌘

▼ Show/Hide Positions

MXT
  Best ErrBox
  All ErrBox
 Color swatches: cyan, blue
⌘

▼ Show/Hide Positions

FGFT
  Best ErrBox
  All ErrBox
 Color swatches: cyan, blue
⌘

▼ Show/Hide Positions



Display Data





GRB Mode



# Localisation



Localisation Display

SAMP access [?](#) [Register to a SAMP-hub](#)

Position values

ECLAIRs  Best ErrBox  All ErrBox

Show/Hide Positions

SRC	RAJ2000	DECJ2000	errorBox
ECLAIRs-1	169.777	3.108	11.0 '
ECLAIRs-2	169.75	3.412	9.62 '
ECLAIRs-3	169.765	3.301	7.0 '

VT  Best ErrBox  All ErrBox

MXT  Best ErrBox  All ErrBox

FGFT  Best ErrBox  All ErrBox

Select an SRC in the table to highlight it on the plot

Select an SRC in the plot to highlight it on the table

Localisation Display

SAMP access [?](#) [Register to a SAMP-hub](#)

Position values

ECLAIRs  Best ErrBox  All ErrBox

Show/Hide Positions

SRC	RAJ2000	DECJ2000	errorBox
ECLAIRs-1	169.777	3.108	11.0 '
ECLAIRs-2	169.75	3.412	9.62 '
ECLAIRs-3	169.765	3.301	7.0 '

VT  Best ErrBox  All ErrBox

MXT  Best ErrBox  All ErrBox

FGFT  Best ErrBox  All ErrBox



GRB Mode

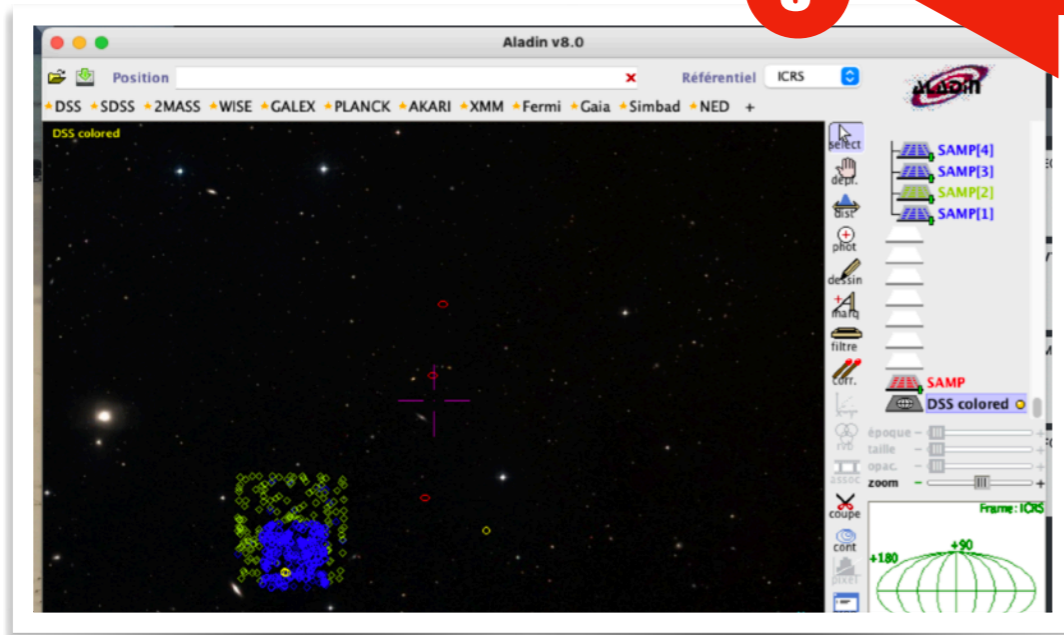
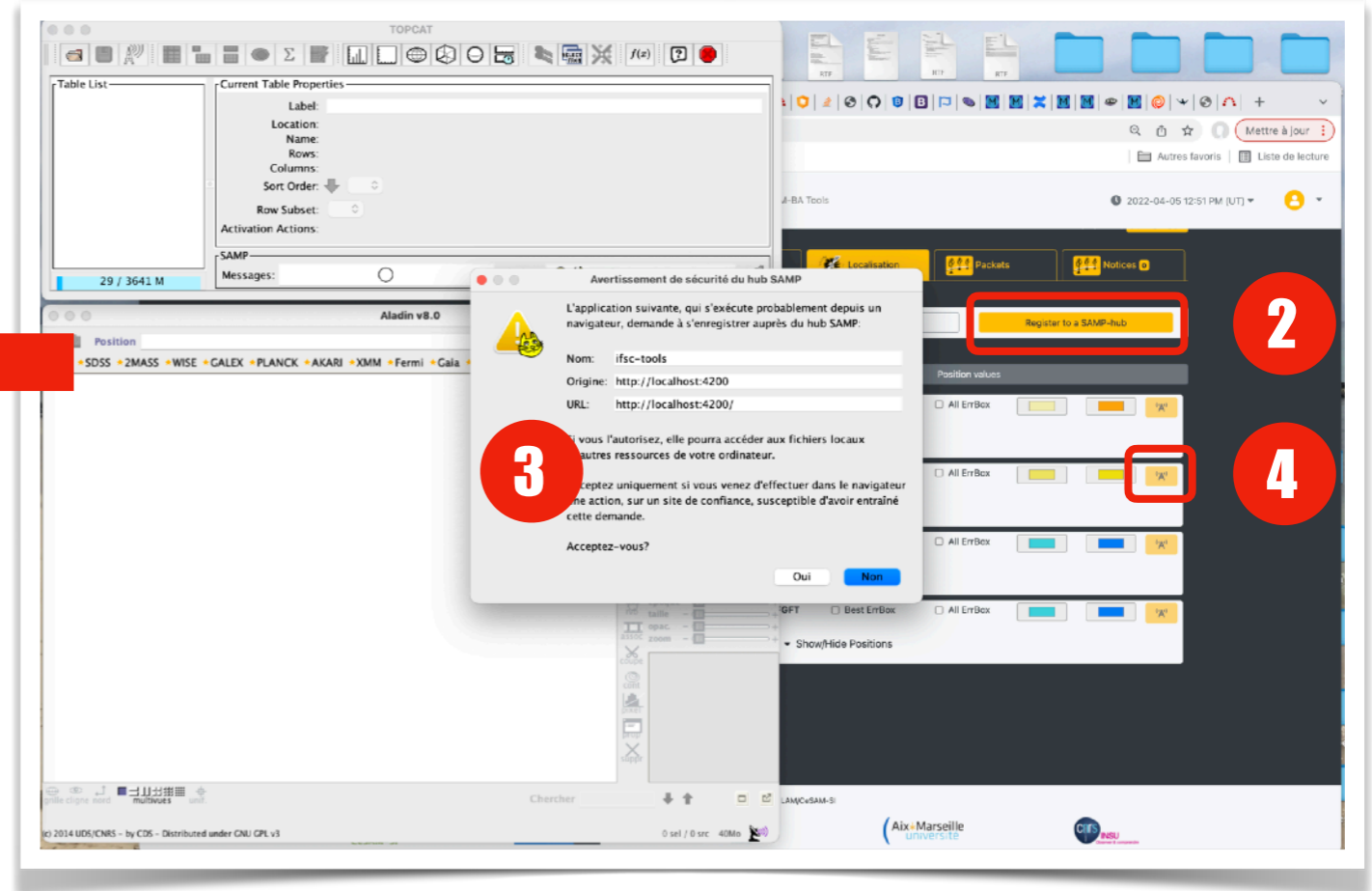
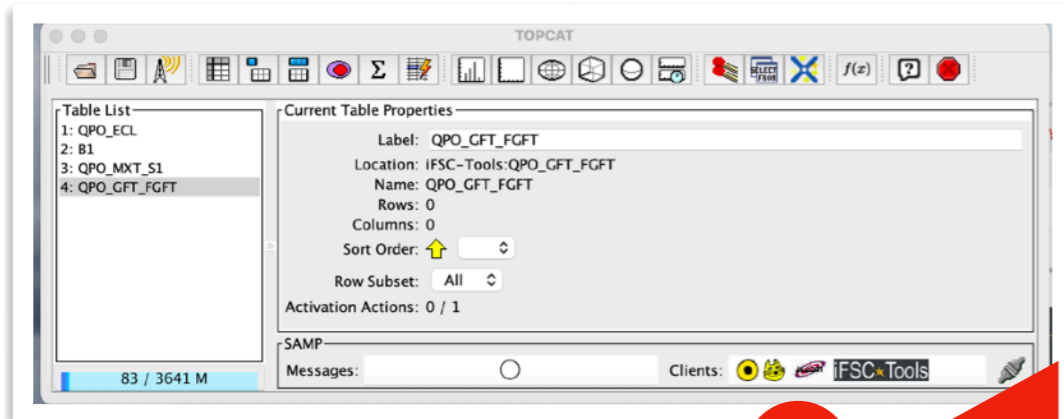


# SAMP Access



**SAMP** (Simple Application Messaging Protocole) is a messaging protocol to communicate with SAMP compatible applications (like TopCat & Aladin)

**1** Launch TopCat or/and Aladin







Shifts Mode

# SHIFTS Calendar



The screenshot displays the iFSC Tools web interface. The top navigation bar includes the SVOM logo, a home icon, and menu items for GRB, ToO, Shifts (highlighted with a red box), Mission, GRB Simulator, Documentation, and Chinese SVOM-BA Tools. The main content area features five mode selection cards: GRB Mode (follow the GRB), ToO Mode (follow the ToO), Shifts Calendar (manage french Shifts, highlighted with a red box), Mission Mode (monitor mission information), and GRB Simulator Mode (monitor triggers for trainings). The date and time '2021-10-20 01:38 PM (UT)' are shown in the top right corner.



## Shifts Mode

# Shifts Visualisation



The first tab displays all shifts. On this version only french BA are displayed with their status.

The screenshot shows the 'BA Shifts Calendar' interface. At the top, there are navigation tabs: Home, GRB, ToO, Shifts (selected), Mission, GRB Simulator, Documentation, and Chinese SVOM-BA Tools. The date is 2021-10-20 01:43 PM (UT). The main content area is titled 'BA Shifts Calendar' and includes a 'Shifts visualisation' tab, a 'Manage French Shifts' button, and a 'Shifts User' dropdown. Below this is a 'List Chinese Shifts' button and the month 'October 2021' with 'Previous', 'Today', and 'Next' navigation buttons. The calendar grid shows days from Monday to Sunday. Shift slots are displayed as colored boxes with the following details:

- Wednesday, 20th: FRA Slot [11h-23h UT], M: Moreau (LAM), B: (empty)
- Thursday, 21st: FRA Slot [11h-23h UT], M: Moreau (LAM), B: Basa (LAM)
- Friday, 22nd: FRA Slot [11h-23h UT], M: Moreau (LAM), B: (empty)
- Saturday, 23rd: FRA Slot [11h-23h UT], M: (empty), B: (empty)

A legend at the bottom right explains the color coding:

- if the shift is complete : with main and backup BA
- if the shift is incomplete : with main or backup BA
- if the shift is empty : with no main and no backup BA



# Manage French Shifts



The second tab allows to manage the french shifts.

Home GRB ToO Shifts Mission GRB Simulator 2021-10-20 01:44 PM (UT)

Shiffts visualisation

Shiffts User

Previous Today Next

Monday Tuesday Saturday Sunday

27 28 1 2 3

4 5 6 7 8

11 12 13 14 15

Slot : 11h-23h (UT)  
M: Moreau (LAM)  
B:

18 19 20 21 22 23 24

Slot : 11h-23h (UT) M: Moreau (LAM) B: Basa (LAM)

Slot : 11h-23h (UT) M: Moreau (LAM) B:

Slot : 11h-23h (UT) M: B:

25 26 27 28 29 30 31

From: Oct 21, 2021 - 11:00:00 (UT)  
To: Oct 21, 2021 - 23:00:00 (UT)

Main: chrystel.moreau@lam.fr

Backup:  stephane.basa@lam.fr  
veronique.buat@lam.fr  
bertrand.cordier@cea.fr  
arnaud.claret@cea.fr  
diego.gotz@cea.fr  
chrystel.moreau@lam.fr

The BA can Add or Edit a shift to complete it, and the shifts status changes in real-time.



# SHIFTS User



This tab allows to check the statistics of the BA  
Select the BA and the year to display the statistics of this BA.

### BA Shifts Calendar

Shifts visualisation | Manage French Shifts | **Shifts User**

Select the BA :  | Select a year :

Name : Moreau Chrystel  
Unit : LAM  
✉ : chrystel.moreau@lam.fr

#### Shifts List (chrystel.moreau@lam.fr / 2021)

tstart	main	backup
2021-11-12	chrystel.moreau@lam.fr	stephane.basa@lam.fr
2021-11-11	chrystel.moreau@lam.fr	stephane.basa@lam.fr
2021-11-10	chrystel.moreau@lam.fr	stephane.basa@lam.fr
2021-10-29	chrystel.moreau@lam.fr	stephane.basa@lam.fr
2021-10-22	chrystel.moreau@lam.fr	
2021-10-21	chrystel.moreau@lam.fr	stephane.basa@lam.fr
2021-10-13	chrystel.moreau@lam.fr	

Showing 10 of 7 items

Month	Main	Backup
10	4	3



Simulator

# GRB Simulator Mode



This mode allows to monitor GRB sequences for trainings

The screenshot displays the iFSC Tools web interface. At the top, there is a navigation bar with the SVOM logo on the left and several menu items: iFSC Tools, GRB, ToO, Shifts Calendar, Mission, GRB Simulator (highlighted with a red box), and Chinese SVOM-BA Tools. Below the navigation bar, the main content area features the iFSC Tools logo and the current date and time for France (FR) and China (CH). The interface is divided into five yellow panels, each representing a different mode: GRB Mode, ToO Mode, Shifts Calendar, Mission Mode, and GRB Simulator Mode. The GRB Simulator Mode panel is highlighted with a red box and contains the text: "GRB Simulator Mode" and "This mode allows you to monitor triggers for trainings."



Simulator

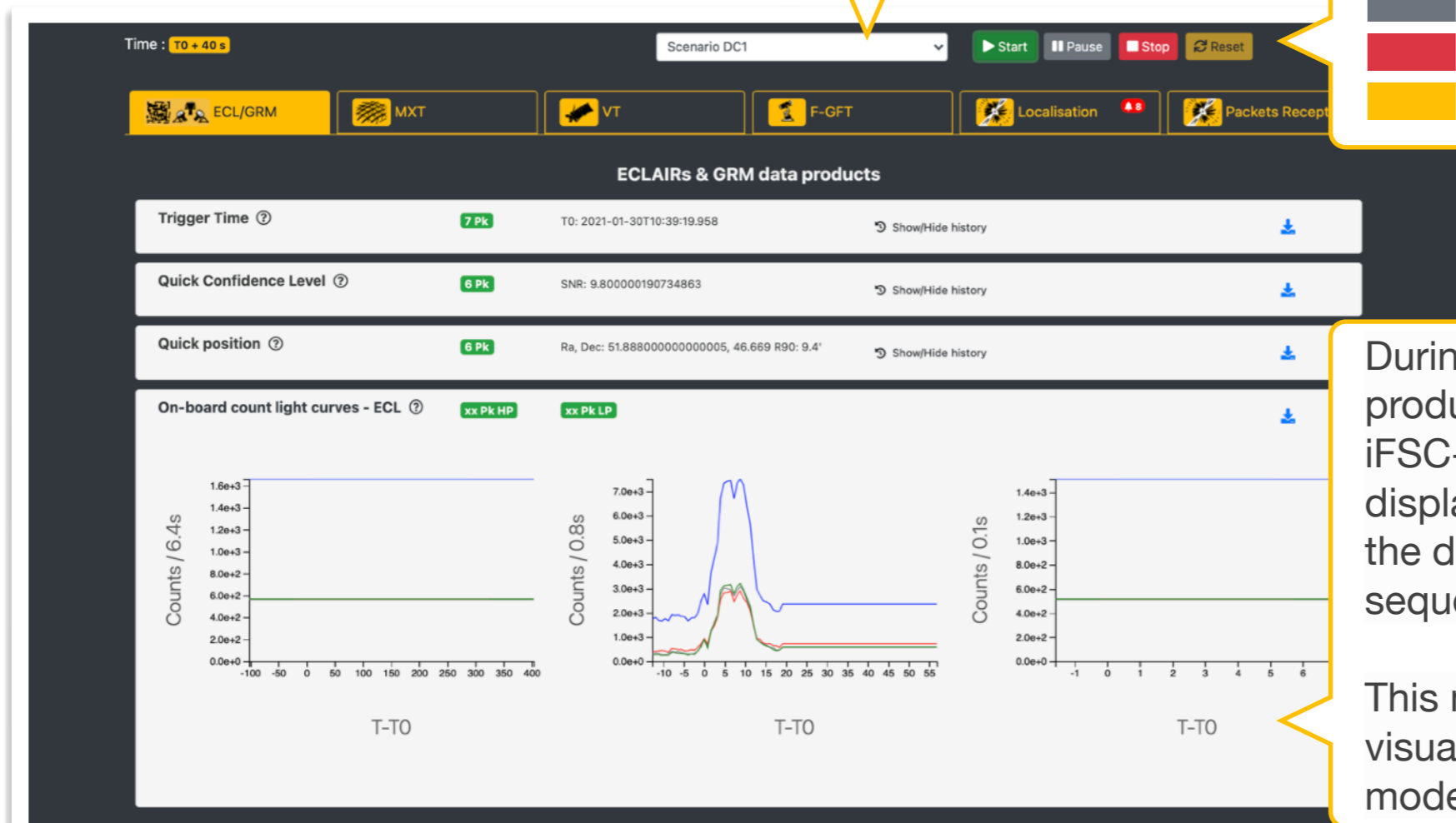
# GRB Simulator Mode



On this mode, BA selects a sequence for training

When the sequence is loaded, the BA can :

- Start the sequence
- Pause/Resume the sequence
- Stop the sequence
- Refresh the page



During a sequence, each new product is loaded from the iFSC-Tools database and is displayed in the real time with the delays defined in the sequence.

This mode allows the same visualisations of the GRB online mode



# FOR NEXT VERSIONS





GRB Mode



# GRB List



Search by Date range: 2022-03-01 - 2022-03-23 Search

Search by Burst\_id: sb24011954 Search

Search by Year: 2022 Search

Burst_id	created
sb24011954	2022-03-30 07:00:49.365280
sb24011854	2022-03-29 07:00:21.974032
sb24011754	2022-03-28 07:00:15.783891
sb22032400	2022-03-25 07:54:49.202688
sb17010100	2022-03-14 11:41:48.365631
sb220311	2022-03-11 13:20:59.175073
sb22011754	2022-02-23 07:29:22.037364
sb220201	2022-02-01 13:30:02.265492
sb220118	2022-01-18 13:57:19.805244

Showing 10 of 9 items



GRB Mode



# Products List



- **Manage the products format changes**
- **Add new products (ECL, GRM, MXT, VT, GFT)**
- **Add VHF Packets reception**



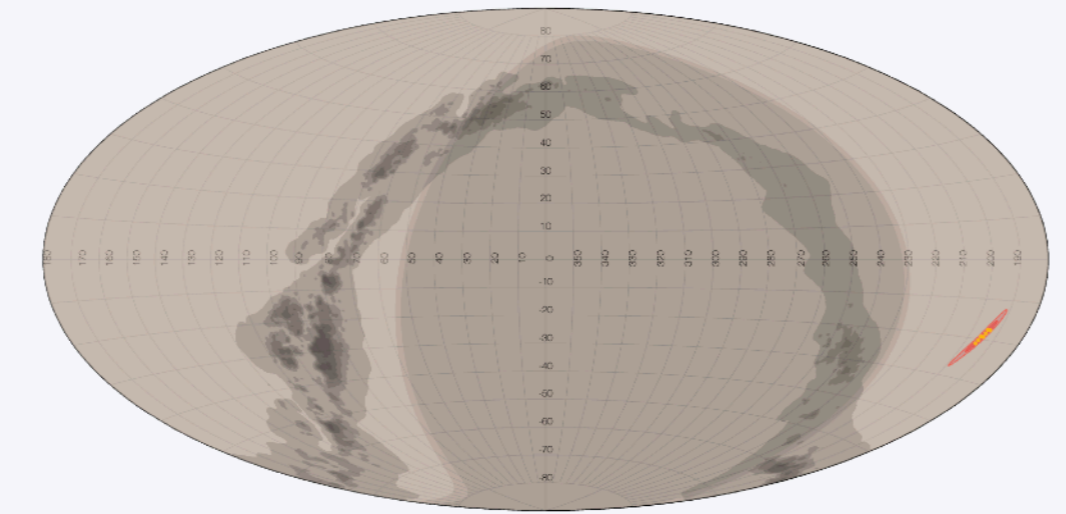
ToO Informations

ToO-ID : 7  
Status : Waiting for approval  
Start : 2021-03-30T13:00:00Z

[GCN Viewer](#)

Alert VHF Xband

Ra: , Dec:




Alert ID: test  
Num processing: 1

Position

Day Light

Milky Way

Zoom

Refresh 

Zoom

Drag

Rotate