

ifsc-Tools

<https://fsc.svom.org/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: iFSC-Tools, GRB, ToO, Shifts Calendar, Mission, GRB Simulator, 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: © 2020-2021 - iFSC-Tools - Made by LAM/CeSAM-SI. Logos for CeSAM-SI, LAM, Aix-Marseille universite, and CIRIS INSU are present.



GRB Mode

GRB Mode



The screenshot shows the iFSC-Tools web interface. The navigation bar includes links for iFSC-Tools, GRB (highlighted with a red box), ToO, Shifts Calendar, Mission, GRB Simulator, and Chinese SVOM-BA Tools. The main content area features three yellow cards: GRB Mode (with a bell icon), Shifts Calendar, and GRB Simulator Mode. A yellow callout box points to the GRB Mode card with the following text:

As soon as a new GRB alert has been notified to the FSC, iFSC-Tools, subscribed to the NATS-SDB channel, sets off the GRB Online mode.

So a notification appears to monitor all the new scientific products in real time.

At the bottom of the interface, there is a footer with the copyright notice: © 2020-2021 - iFSC-Tools - Made by LAM/CeSAM-SI, and logos for CeSAM-SI, LAM, Aix-Marseille universite, and CIRIS INSU.



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)

GRB list

new	burst_id	created
	<input type="text" value="sb21092915"/>	2021-10-20 13:34:36.330666
	<input type="text" value="sb21092912"/>	2021-10-13 15:12:25.419119

Showing 10 of 2 items

« < 1 > »

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CeSAM-SI LAM Aix-Marseille universite CNRS INSU



GRB Mode

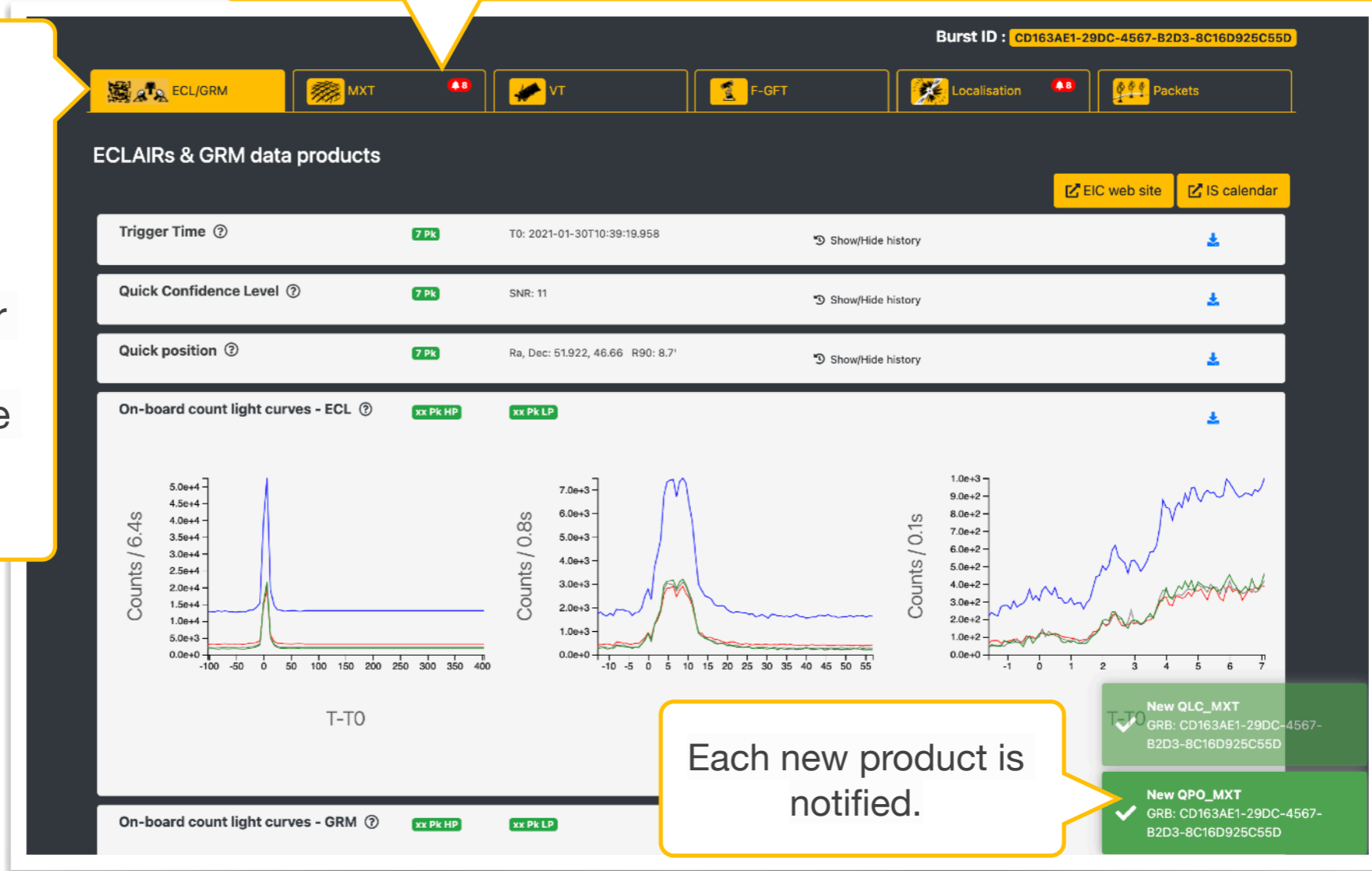
Products List



If the BA is looking the ECLAIRs/GRM tab, a small notification in red notify the BA that new products are available for other instruments.

On this page :

- all products associated to the GRB are loaded,
- the new products from the pipelines for this GRB are displayed in real-time in separate tabs for each instrument.

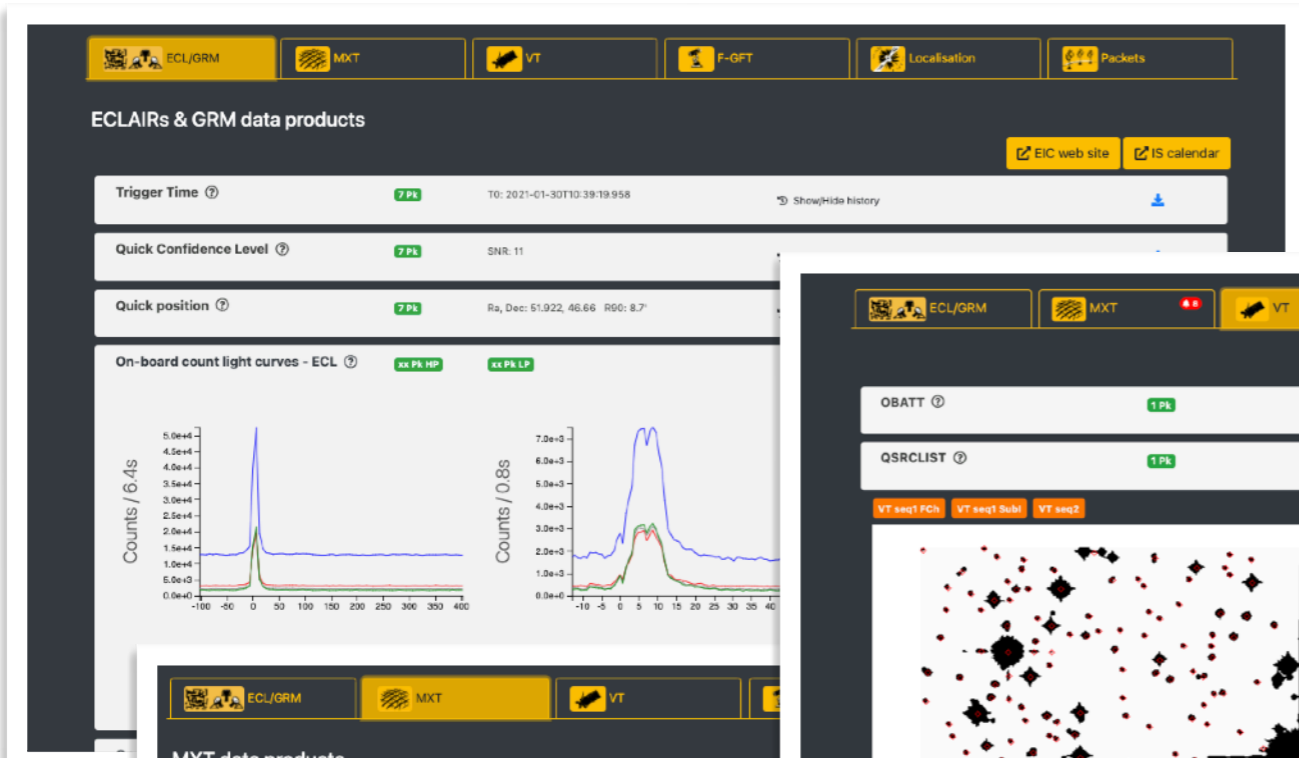


Each new product is notified.

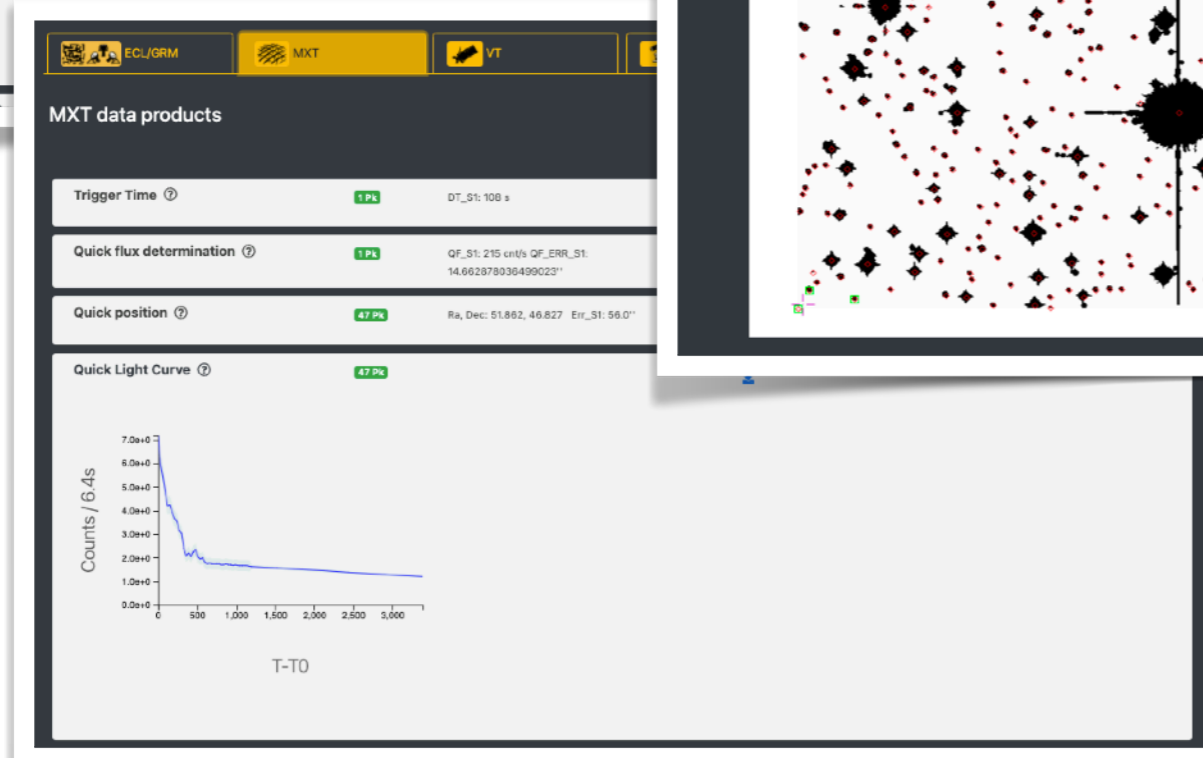
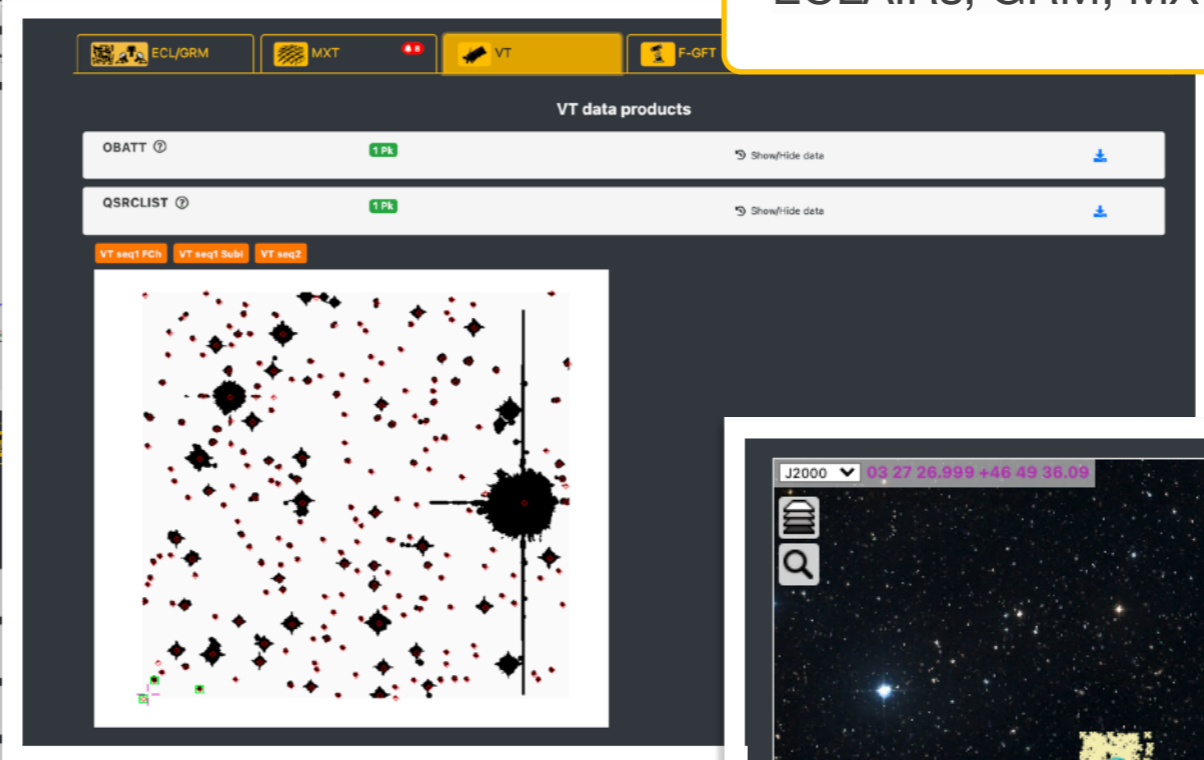


GRB Mode

Products List



On this exemple more products are available for different instruments ECLAIRs, GRM, MXT and VT.



All QPO are also available on the Localisation tab





Shifts Mode

SHIFTS Calendar



The screenshot shows the iFSC Tools web interface. The navigation bar at the top includes links for Home, GRB, ToO, Shifts (highlighted with a red box), Mission, GRB Simulator, Documentation, and Chinese SVOM-BA Tools. The main content area features four modules: GRB Mode, ToO Mode, Shifts Calendar (highlighted with a red box), and GRB Simulator Mode. A callout box points to the Shifts Calendar module with the text: "The Shifts Calendar module allows to manage the french Shifts". The footer contains logos for CeSAM-SI, LAM, Aix-Marseille universite, and CNRS INSU.



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, 'Manage French Shifts', and 'Shifts User' buttons. 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)

Shifts visualisation

Shifts User

Previous Today Next

Monday Tuesday Saturday Sunday

27 28 1 2 3

4 5 6 7 8

11 12 13 14 15

18 19 20 21 22 23 24

25 26 27 28 29 30 31

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

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

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

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

chrystel.moreau@lam.fr

chrystel.moreau@lam.fr

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



Simulator

GRB Simulator Mode



This mode allows to monitor GRB sequences for trainings

The screenshot displays the iFSC Tools web interface. At the top, a navigation bar includes the SVOM logo, 'iFSC Tools', and several menu items: GRB (with a notification bell), 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 five yellow cards with a space-themed background. The cards are: 'GRB Mode' (with a notification bell icon and description: 'This mode allows you to follow the GRB.'), 'ToO Mode' (with description: 'This mode allows you to follow the ToO.'), 'Shifts Calendar' (with a calendar icon and description: 'This mode allows you to manage the french Shifts.'), 'Mission Mode' (with a mission icon and description: 'This mode allows you to monitor the mission informations.'), and 'GRB Simulator Mode' (with a gear icon and description: 'This mode allows you to monitor triggers for trainings.'). The 'GRB Simulator Mode' card is highlighted with a red border. The interface also shows the current date and time for France (FR) and China (CH).



Simulator

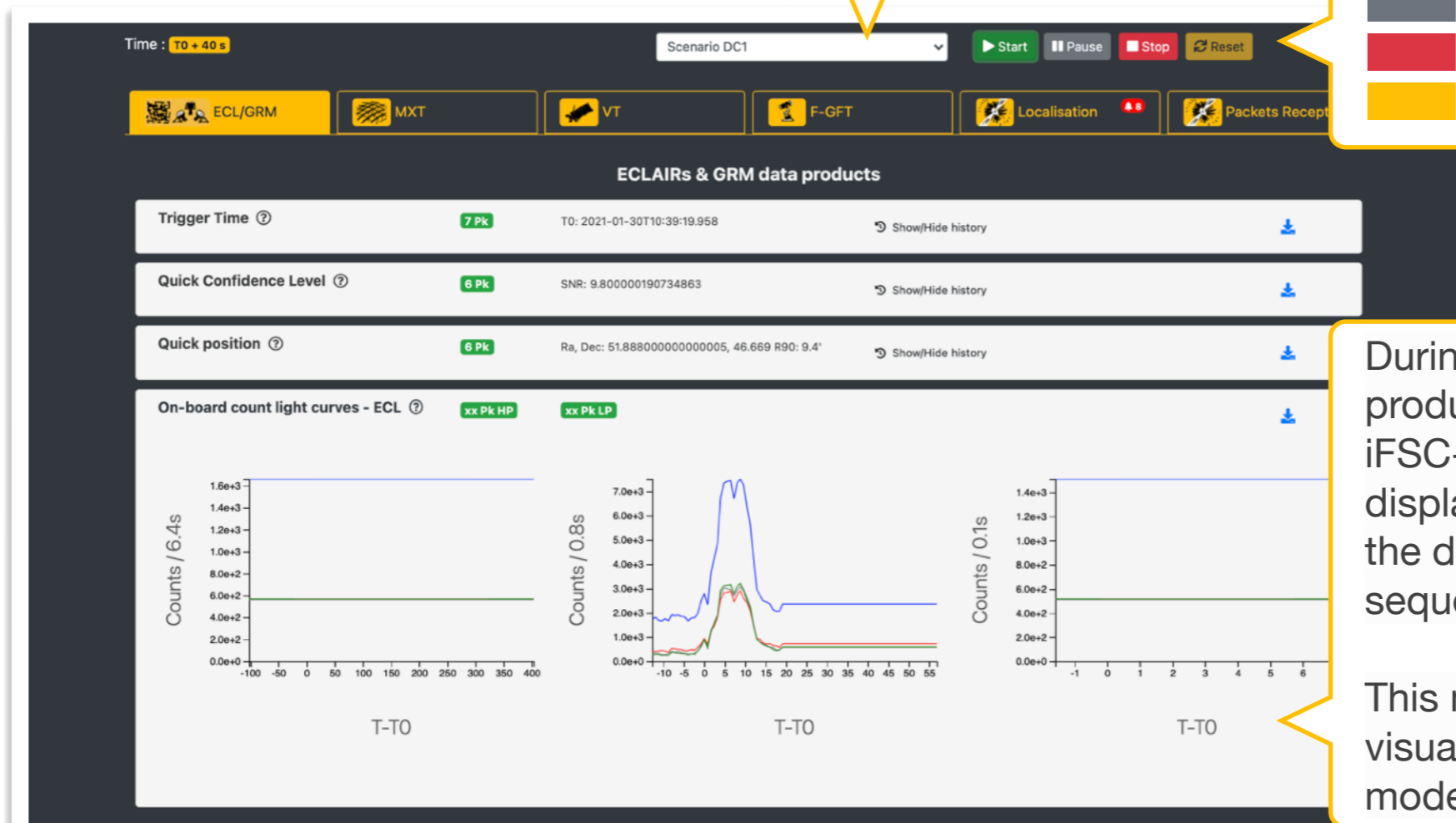
GRB Simulator Mode



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



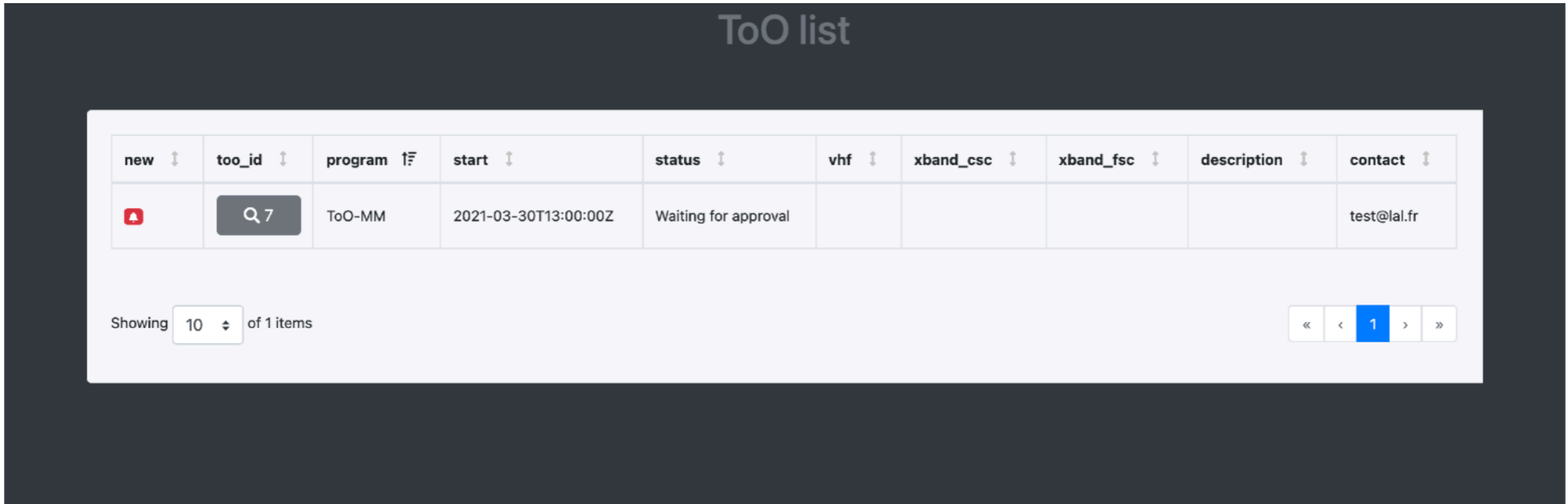
The screenshot shows the iFSC-Tools web interface. The navigation bar includes links for Home, GRB, ToO (highlighted with a red box), Shifts, Mission, GRB Simulator, Documentation, and Chinese SVOM-BA Tools. The main content area features five mode cards: GRB Mode, ToO Mode (highlighted with a red box), Shifts Calendar, Mission Mode, and GRB Simulator Mode. A callout box points to the ToO Mode card.

As soon as a new ToO alert has been notified to the FSC, iFSC-Tools, subscribed to the NATS-ToO channel, sets off the ToO Online mode.

So an alert notification appears to monitor all the new alerts in real time.

TOO LIST

The BA can list all ToO, and monitor all the products of a selected ToO

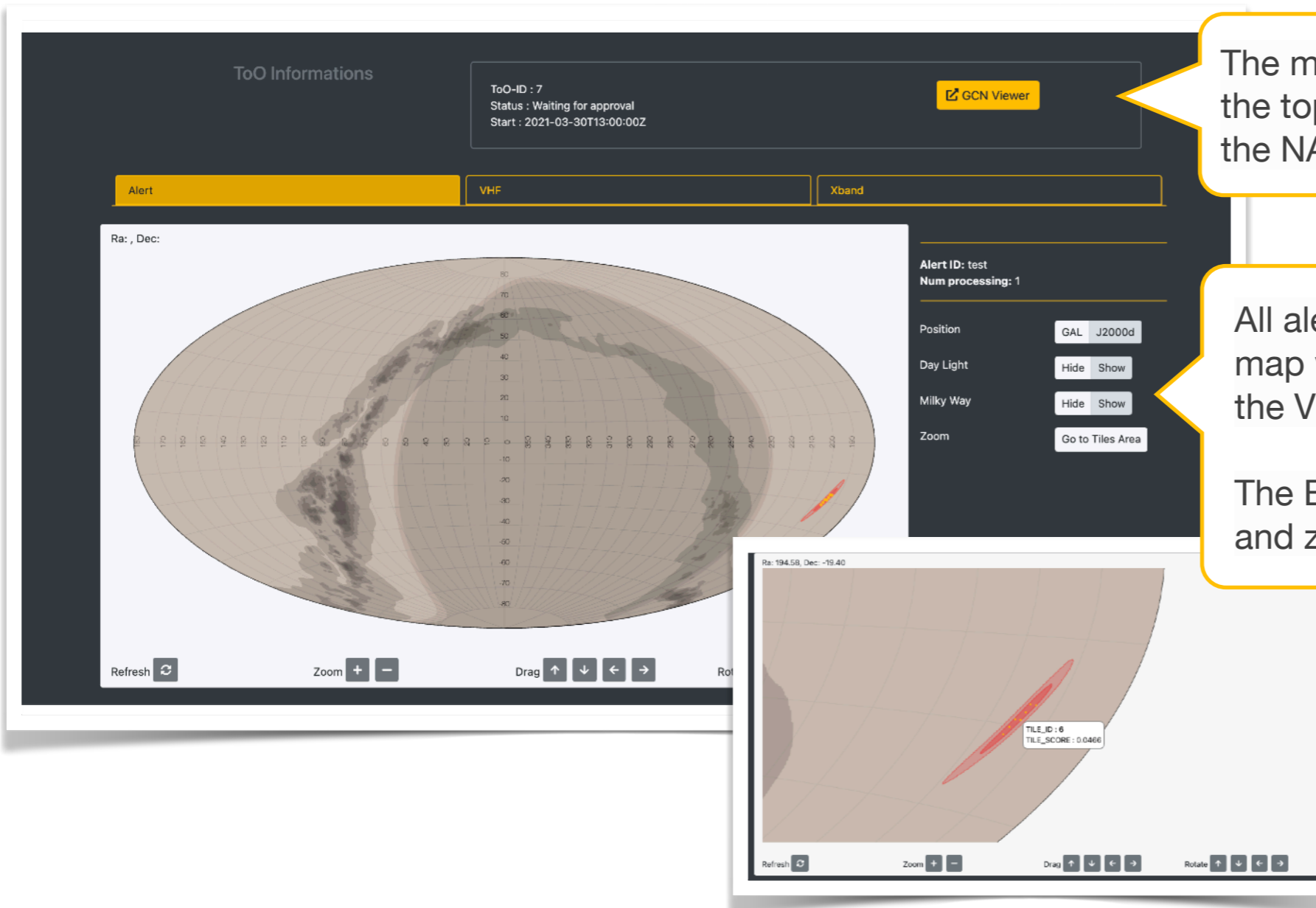


The screenshot shows a web interface titled "ToO list". It features a table with the following columns: new, too_id, program, start, status, vhf, xband_csc, xband_fsc, description, and contact. A search bar with the value "7" is positioned above the table. The table contains one row with the following data: a red triangle icon in the 'new' column, "7" in 'too_id', "ToO-MM" in 'program', "2021-03-30T13:00:00Z" in 'start', "Waiting for approval" in 'status', and "test@lal.fr" in 'contact'. Below the table, there is a pagination control showing "Showing 10 of 1 items" and a page number "1" highlighted in blue.

new	too_id	program	start	status	vhf	xband_csc	xband_fsc	description	contact
	7	ToO-MM	2021-03-30T13:00:00Z	Waiting for approval					test@lal.fr

The BA can currently monitor the Alert.

And in a next version the VHF and Xband products for a selected ToO.



The screenshot shows a web interface for monitoring ToO (Target of Opportunity) information. At the top, there's a 'ToO Informations' section with fields for 'ToO-ID : 7', 'Status : Waiting for approval', and 'Start : 2021-03-30T13:00:00Z'. A 'GCN Viewer' button is also present. Below this, there are three tabs: 'Alert' (selected), 'VHF', and 'Xband'. The main area features a large map visualization of the sky in Galactic coordinates (Ra, Dec). The map shows a grid and a red elongated shape representing the alert. To the right of the map, there are control panels for 'Alert ID: test', 'Num processing: 1', 'Position' (GAL, J2000d), 'Day Light' (Hide, Show), 'Milky Way' (Hide, Show), and 'Zoom' (Go to Tiles Area). At the bottom of the map, there are 'Refresh', 'Zoom' (+, -), and 'Drag' (up, down, left, right) controls. A zoomed-in view of the red shape is shown in a separate window at the bottom right, displaying 'Ra: 194.58, Dec: -19.40' and 'TILE_ID : 6', 'TILE_SCORE : 0.0466'. This zoomed view also has 'Refresh', 'Zoom', 'Drag', and 'Rotate' controls.

The main informations are available in the top frame, with an external link to the NASA GCN Viewer.

All alerts processing are available with a map visualisation including the tiles and the Vigo/Lirgo area.

The BA can change the display options and zoom directly on the Tiles area.

The Mission module allows to provide mission informations



The screenshot shows a web interface titled "Mission Informations". It features a world map with several circular overlays representing spacecraft fields of view. The interface includes two main tabs: "Spacecraft" (selected) and "Gamma-Ray Instruments". On the right side, there are three toggle controls: "Observatories" (Hide/Show), "VHF Stations" (Hide/Show), and "Night/Day area" (Hide/Show). A yellow speech bubble points to the map area.

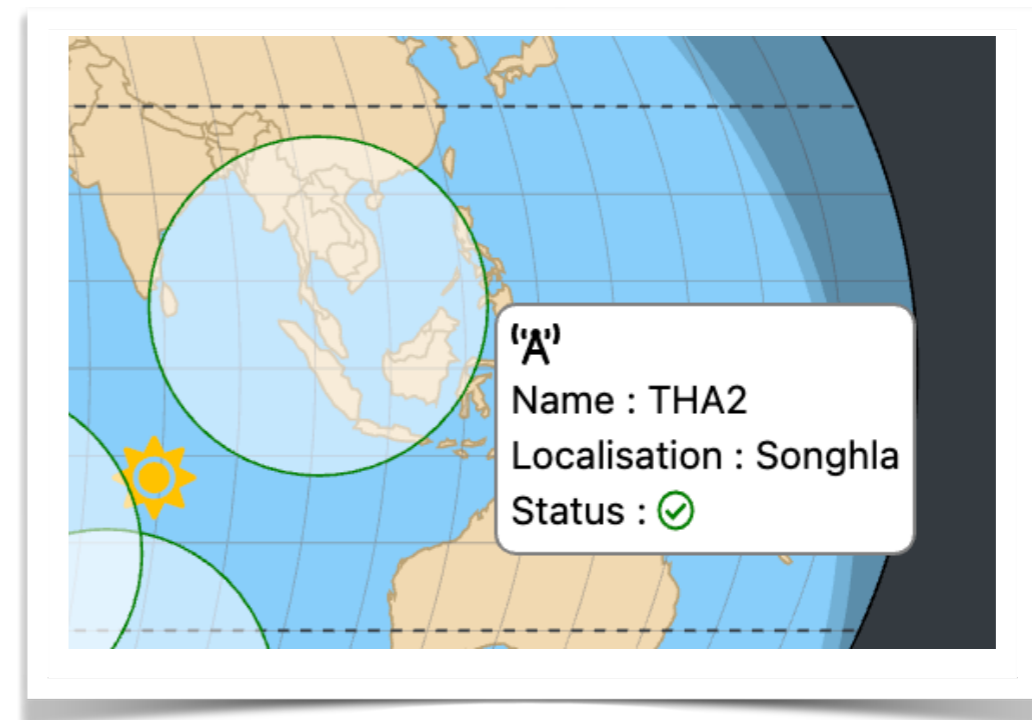
The current version provides only the spacecraft informations like :

- observatories positions,
- stations activities, ...

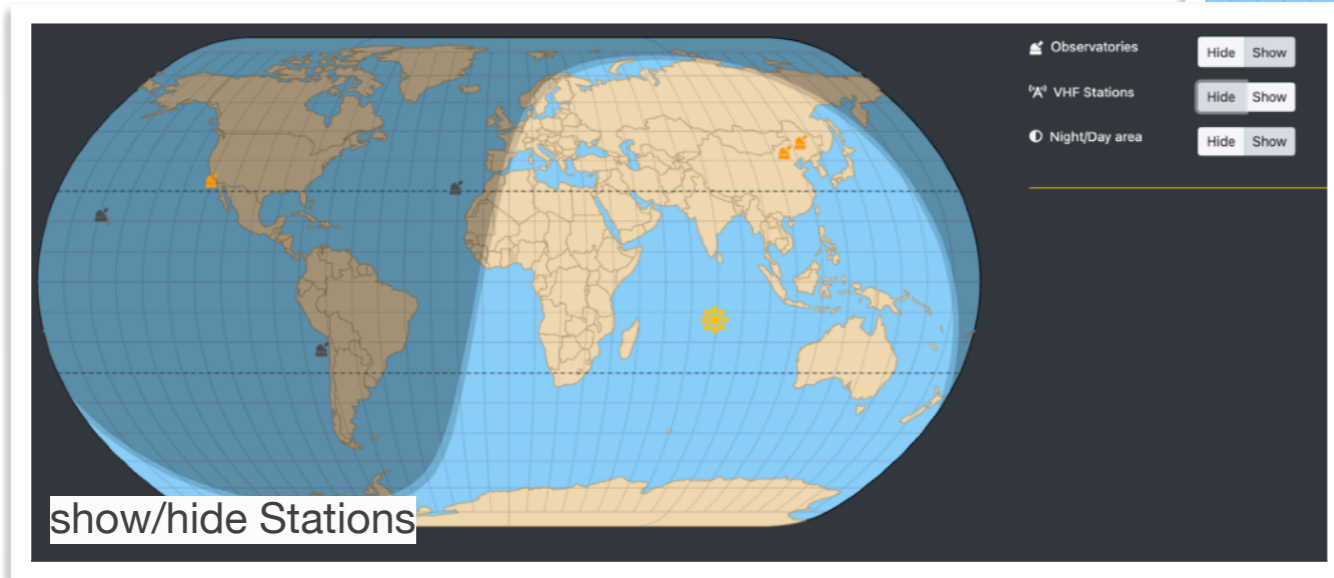
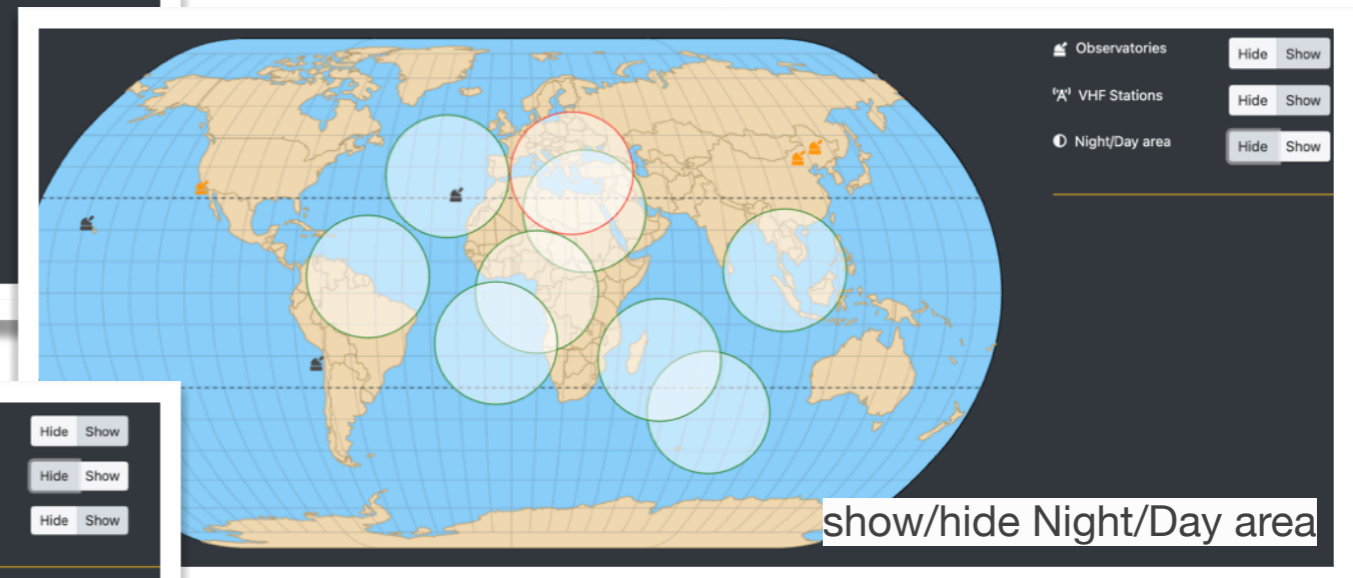
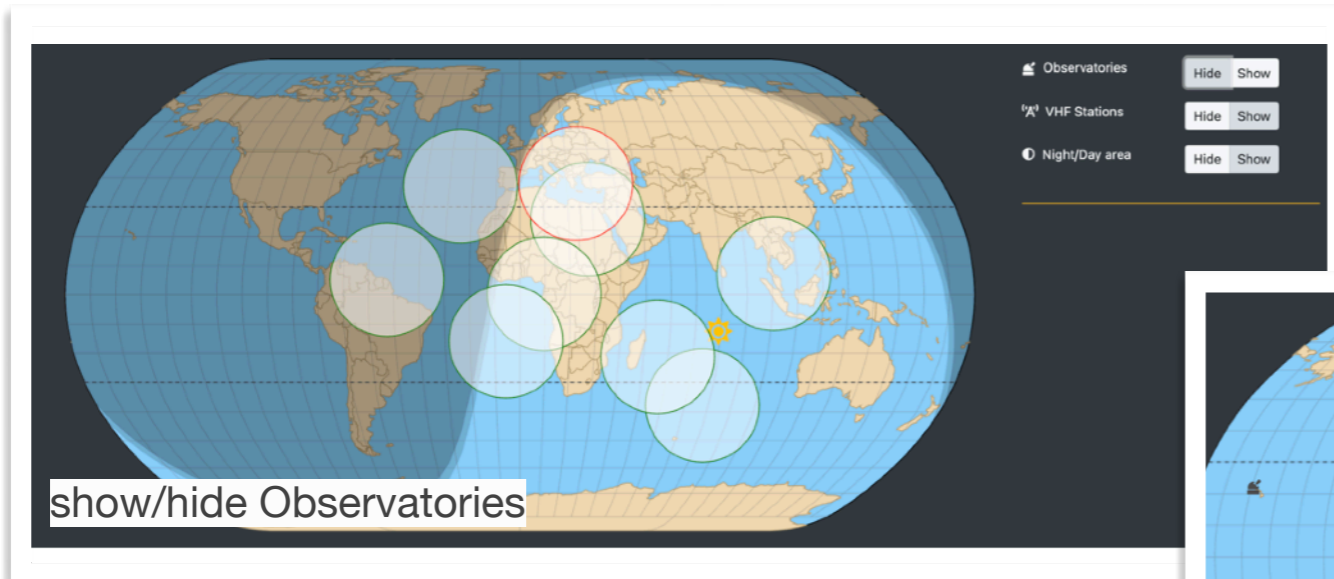
The BA can select an observatory, and get informations by mouse over on its position.



The BA can select a station, and get informations by mouse over on its position.



The BA can also show or hide the several map visualisation options



RESPONSIVE APPLICATION



iFSC-Tools is a responsive application which be use on a laptop, phone or a tablet

