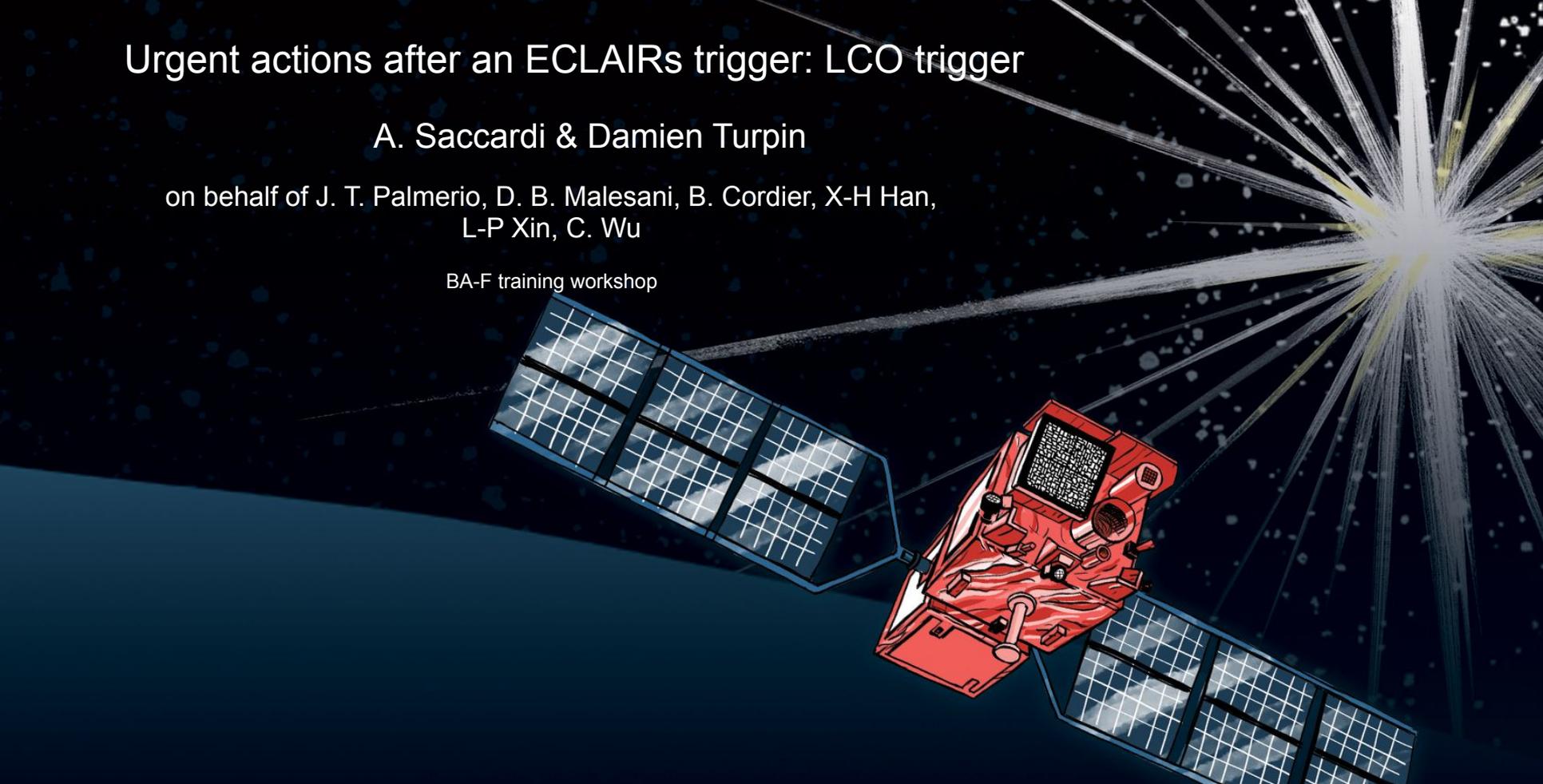


# Urgent actions after an ECLAIRs trigger: LCO trigger

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BA-F training workshop



# Access to LCOGT SVOM proposal website

The LCOGT SVOM proposal website :

<https://observe.lco.global/proposals/CON2025B-010?role=CI&proposal=CON2025B-010&limit=25>.

login: Svomba

password: Svom@2024

The screenshot displays the 'Observation Portal' interface. At the top, there is a navigation bar with the LCO logo and links for Home, Submit Observation, Manage Proposals, Planning Tools, and Help. The main content area is divided into two sections: 'Submitted Observation Requests' and 'Telescope availability history?'. The 'Submitted Observation Requests' section features a table with columns for User Info, State Info, and a summary of request counts (#Requests / Pending / Failed / Complete). The 'Telescope availability history?' section includes a table with columns for Telescope, days (-4, -3, -2, -1, Today), and a color-coded grid showing availability for various telescopes like Siding Spring 0.4m A, B, 2m, and 1m 1.

User Info	State Info	#Requests	Pending	Failed	Complete
sb26031206_panstarrs-z Svomba CON2025B-010	CANCELED 2026-03-12 01:09:21	1	0	0	0
sb26031206_sdss-rp Svomba CON2025B-010	CANCELED 2026-03-12 01:09:21	1	0	0	0
sb26031205_panstarrs-z Svomba CON2025B-010	CANCELED 2026-03-12 01:00:17	1	0	0	0
sb26031205_sdss-rp Svomba CON2025B-010	COMPLETED 2026-03-12 01:14:20	1	0	0	1
sb26031204_panstarrs-z Svomba CON2025B-010	CANCELED 2026-03-12 00:52:04	1	0	0	0
sb26031204_sdss-rp Svomba CON2025B-010	CANCELED 2026-03-12 00:52:05	1	0	0	0
sb26031203_panstarrs-z Svomba CON2025B-010	CANCELED 2026-03-12 00:42:27	1	0	0	0
sb26031203_sdss-rp Svomba	CANCELED	1	0	0	0

Telescope	-4 days	-3 days	-2 days	-1 day	Today
Siding Spring 0.4m A	90	90	62	7	
Siding Spring 0.4m B	90	90	62	7	
Siding Spring 2m	89	87	59	7	
Siding Spring 1m 1	90	91	62	7	

# LCO trigger stat so far

- **1st February: New LCO semester 2026A (30 hr allocated)**
- **Activities Summary Semester 2025B (1st August - 31st January)**

-Automatic Trigger (FOCS) is in place since 11/11/2025

-Automatic Retraction in place since 02/02/2026

-41 events followed-up: **32 Real Triggers**, 8 False (not cancelled on time), 1  
Late-time

-**12 GRB detections** (10 ECLAIRs, 1 EP, 1 SVOM-GRM/Swift), **20 upper limits**

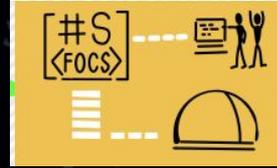
# Automatic LCO trigger system at CSC



FSC



CSC



Follow-up Observation  
Coordinating Service



LCOGT

# Automatic LCO trigger system at CSC

## Trigger Filtering:

- Eclairs-preliminary (SNR > 8);
- Eclairs-wakeup (only if Eclairs-preliminary SNR < 8)

SVOM FOCS CLIENT (PRO) FOR LCOGT

NODE: LCOGT

TRIGGER TARGET CONFIGURAT

posted received running complete broken passed OBS. CLASS All

ID	MISSION	TRIGGER	TELESCOPE	TARGET NAME	OBS.	RA	DEC	OBS. STAGE	OBS. PARA	B
51	SVOM	sb25111101	1.0 meter Sinistro	sb25111101_panstarrs-z	N ✎	32.460700	5.227000	AUTOMATIC FOLLOWUP	▼	
50	SVOM	sb25111101	1.0 meter Sinistro	sb25111101_sdss-rp	N ✎	32.460700	5.227000	AUTOMATIC FOLLOWUP	▼	

# Automatic LCO trigger system at CSC

**SVOM FOCS CLIENT (PRO) FOR LCOGT**

NODE: LCOGT   RECEIVING:    STATUS: ONLINE   Post:    LOG OUT

ALERT2TARGET SWITCH FOR SELECTED TELESCOPE

SELECTED NOTICE TYPE AND THRESHOLD ( indicates setting of thresholds ) MANAGE NOTICE

SVOM-200   SVOM-202

**SWITCH**

TURN ON OR OFF FOR FILTERS

VISIBILITY

REPORTING

SAVE

**VISIBILITY**

DEFINE POINTING BOUNDAR

MINZENITH OF SUN

MAXZENITH OF TARGET

SAVE

**REPORTING**

DEFINE REPORTING DISTANCE

DISTANCE (ARCMIN)

SAVE

DEFINE OBSERVATION STRATEGY FOR SELECTED TELESCOPE

+ ADD MANAGE EXPOSURE PARAMETERS

ID	TELESCOPE	STRATEGY	NOTICE TYPE	PROPOSAL	OBS TYPE	EXP TYPE	FILTER	EXPTIME	FRMCNT	READ MODE	IPF
2	1.0 meter Sinistro	Auto-followup-r_preliminary	SVOM-200	Follow-up of SVOM GRB detections (CON2025B-010)	Time Critical	Exposure	SDSS-rp	200	3	1M Sinistro Full Frame	1.0
4	1.0 meter Sinistro	Auto-followup-r_wakeup	SVOM-202	Follow-up of SVOM GRB detections (CON2025B-010)	Time Critical	Exposure	SDSS-rp	200	3	1M Sinistro Full Frame	1.0
3	1.0 meter Sinistro	Auto-followup-z_preliminary	SVOM-200	Follow-up of SVOM GRB detections (CON2025B-010)	Time Critical	Exposure	PanSTARRS-Z	200	3	1M Sinistro Full Frame	1.0
5	1.0 meter Sinistro	Auto-followup-z_wakeup	SVOM-202	Follow-up of SVOM GRB detections (CON2025B-010)	Time Critical	Exposure	PanSTARRS-Z	200	3	1M Sinistro Full Frame	1.0

# Mattermost auto trigger notification

<https://svack.lal.in2p3.fr/svom/channels/focs-followup-status>

Example: sequence of FOCs mattermost messages for sb26031206 false trigger

**focs** BOT 2:11 AM

Automatic Follow-up of FOCs  
#####  
Mission: SVOM  
Trigger Name: sb26031206  
Notice Type: The Svom-Eclairs-preliminary N1e notice  
Trigger Time (UT): 2026-03-12T01:02:24.538000  
#####  
Object Name: sb26031206\_panstarrs-z  
#####  
Telescope: LCOGT(<https://observe.lco.global/>)  
Visibility: [https://www.svom.cn/focs-lcogt/frontend/visi/20260312\\_sb26031206.png](https://www.svom.cn/focs-lcogt/frontend/visi/20260312_sb26031206.png)  
Follow up is triggered  
#####  
Obs Request Generation Time (UT): 2026-03-12 01:09:06  
Obs Request Status: received

---

**focs** BOT 2:12 AM

Automatic Follow-up of FOCs  
#####  
Mission: SVOM  
Trigger Name: sb26031206  
Notice Type:  
Trigger Time (UT): 2026-03-12T01:02:24.538000  
#####  
Telescope: LCOGT  
Follow up is NOT triggered due to [Retraction]

**focs** BOT 2:13 AM

Automatic Follow-up of FOCs  
#####  
Mission: SVOM  
Trigger Name: sb26031206  
Notice Type: The Svom-Eclairs-retraction N3n notice  
Trigger Time (UT): 2026-03-12T01:02:24.538Z  
#####  
Object Name: sb26031206\_sdss-rp  
#####  
Telescope: LCOGT(<https://observe.lco.global/>)  
Visibility: None  
Follow up is triggered  
#####  
Obs Request Generation Time (UT): 2026-03-12 01:09:06  
Obs Request Status: canceled

---

**focs** BOT 2:14 AM

Automatic Follow-up of FOCs  
#####  
Mission: SVOM  
Trigger Name: sb26031206  
Notice Type: The Svom-Eclairs-retraction N3n notice  
Trigger Time (UT): 2026-03-12T01:02:24.538Z  
#####  
Object Name: sb26031206\_panstarrs-z  
#####  
Telescope: LCOGT(<https://observe.lco.global/>)  
Visibility: None  
Follow up is triggered  
#####  
Obs Request Generation Time (UT): 2026-03-12 01:09:06  
Obs Request Status: canceled

## Actions of the BA-F related to LCOGT

Cancel a LCO ToO request (if not done automatically):

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Cancel\\_the\\_LCO\\_ToO\\_Obs](https://forge.in2p3.fr/projects/burst-advocates/wiki/Cancel_the_LCO_ToO_Obs)

Manual LCO ToO request:

[https://forge.in2p3.fr/projects/burst-advocates/wiki/LCO\\_ToO\\_procedure](https://forge.in2p3.fr/projects/burst-advocates/wiki/LCO_ToO_procedure)

Check the LCO ToO request status:

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Report\\_LCO\\_status](https://forge.in2p3.fr/projects/burst-advocates/wiki/Report_LCO_status)

Report the LCO follow-up status in mattermost:

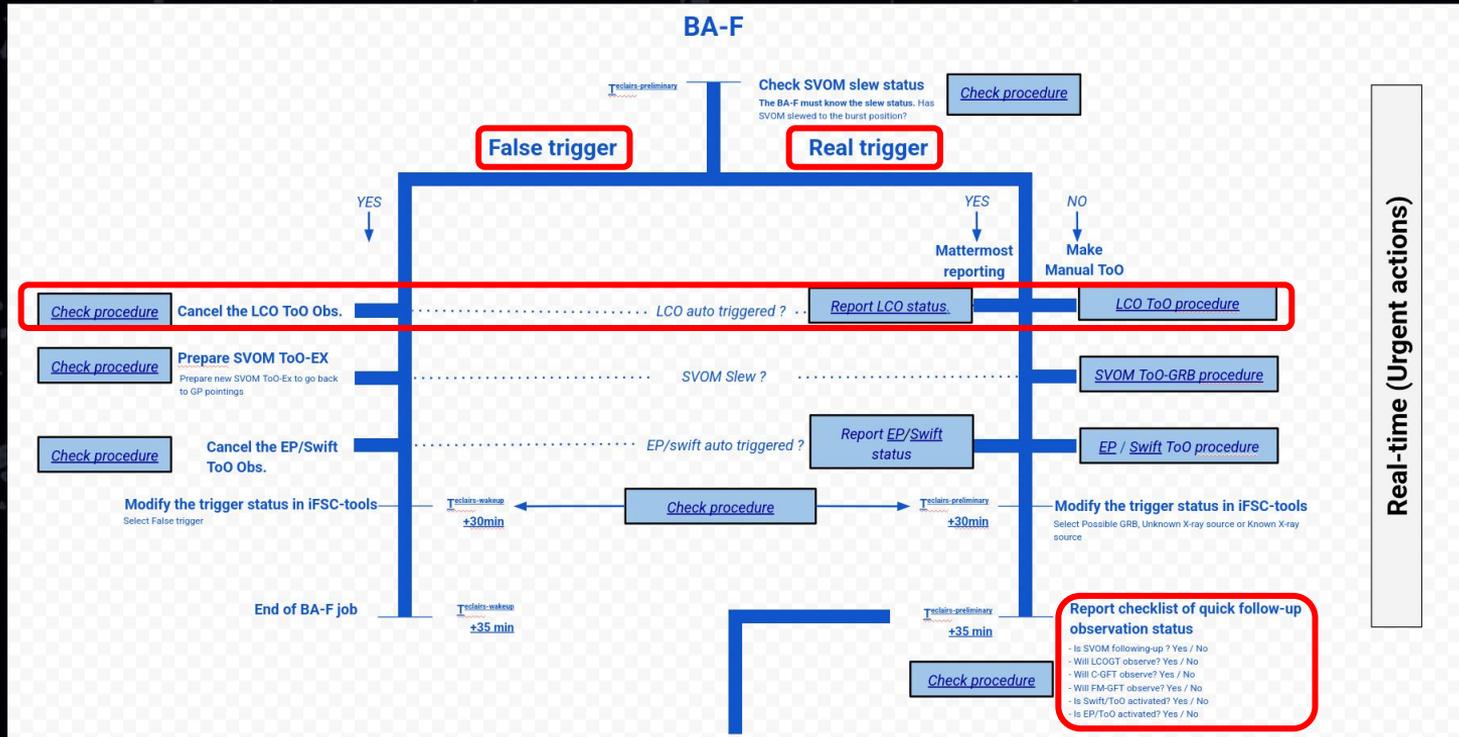
[https://forge.in2p3.fr/projects/burst-advocates/wiki/Report checklist of quick follow-up observation status](https://forge.in2p3.fr/projects/burst-advocates/wiki/Report_checklist_of_quick_follow-up_observation_status)

Check LCO images and quick search for optical transient candidates

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Check\\_LCOGT\\_image\\_and\\_schedule\\_further\\_obs](https://forge.in2p3.fr/projects/burst-advocates/wiki/Check_LCOGT_image_and_schedule_further_obs)

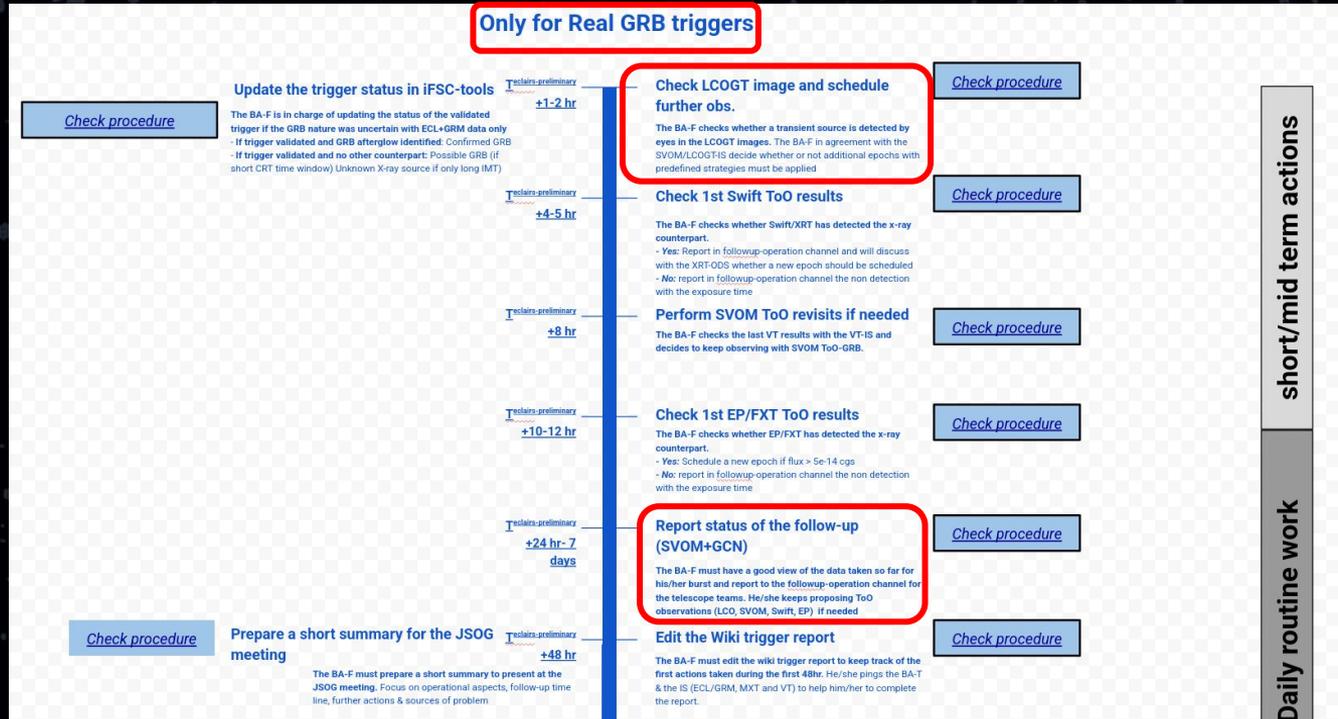
# When to do these actions?

Urgent actions within the first 30'-1hr



# When to do these actions?

T0 > 1h and routine work



**Questions?**