

# Urgent actions after an ECLAIRs trigger: EP & Swift ToO

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BA-F training workshop



# SVOM and Einstein Probe current agreement

**The EP team has agreed to performed automatic ToO for SVOM ECLAIRs triggers in a short latency for a total amount of 20 orbits per month.**

The main points of the SVOM and EP agreement are summarized below:

- With a duration limit of 20 orbits per month, for a transient source located by SVOM/ECLAIRs, the SVOM team can request the programming of a ToO observation sequence composed by 2 epochs by the EP/FXT telescopes.
- As long as we stay within the limit of 20 orbits per month in term of duration, requests are automatically approved and submitted instantly to the Mission Center for scheduling.
- Beyond the limit of 20 orbits per month, requests must be sent to the PIs for approval.
- If the scheduled ToO observation is interrupted by other higher priority triggers (e.g. onboard trigger by EP/WXT or SVOM/Eclairs, or ToO-MM or exceptional ToOs), the observations shall be continued at the earliest possible time, unless withdrawn by the triggering team.
- If a transient triggers both EP and SVOM, follow-up observations will be performed by default anyway, and the agreement will not apply to such cases.
- Issuing GCN: GCNs reporting the follow-up observations will be issued jointly by the two teams, with the leading author being normally from the team triggering the follow-up and the TA/DS of the follow-up team being included as coauthors.

# SVOM and Swift current agreement

**The Swift team has agreed to performed 1-2 automatic ToO per week for SVOM ECLAIRs triggers in a short latency (few minutes at best). This means that the BA-F will not have to perform the Swift ToO by him/herself!**

A dedicated public web page is already setup in the Swift Leicester website to list all the Swift ToO and their associated results for transient detection. You can have access here: <https://www.swift.ac.uk/SVOM/>

In certain cases, The BA-F will still have to submit a Swift ToO when:

1. You do not see the SVOM trigger in the list of automatic ToOs [here](#)
2. You need to perform additional revisits with Swift for a given SVOM burst.

# Actions of the BA-F related to EP & Swift

Cancel a EP/Swift ToO request:

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

Manual EP/Swift ToO request:

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Einstein\\_Probe\\_ToO\\_tutorial\\_procedure](https://forge.in2p3.fr/projects/burst-advocates/wiki/Einstein_Probe_ToO_tutorial_procedure)

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Swift\\_ToO\\_tutorial\\_procedure](https://forge.in2p3.fr/projects/burst-advocates/wiki/Swift_ToO_tutorial_procedure)

Check the EP/Swift ToO request status:

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Check\\_EP\\_ToO\\_status](https://forge.in2p3.fr/projects/burst-advocates/wiki/Check_EP_ToO_status)

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Check\\_Swift\\_ToO\\_status](https://forge.in2p3.fr/projects/burst-advocates/wiki/Check_Swift_ToO_status)

Report the EP/Swift 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)

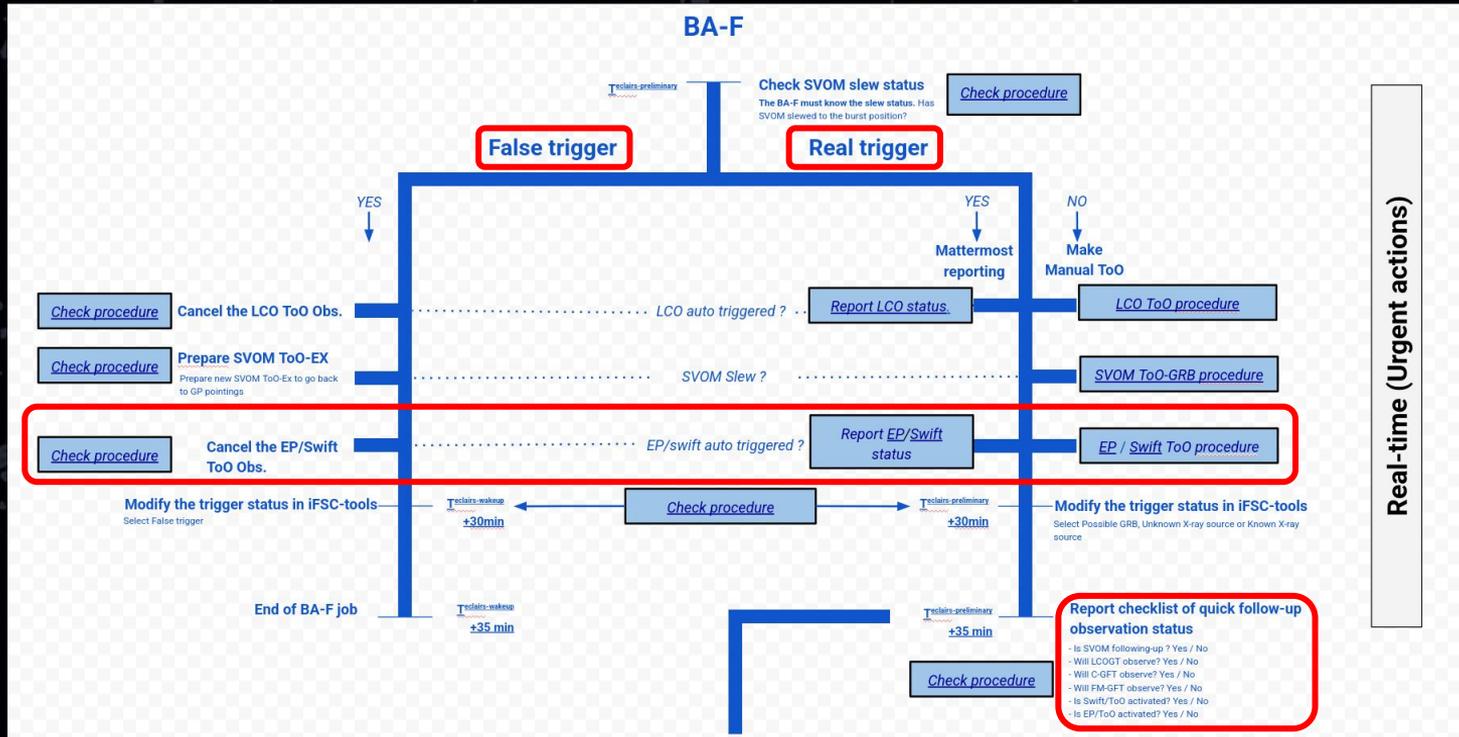
Check EP/Swift results and quick search for optical transient candidates

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Check\\_EP\\_ToO\\_status#3-Check-the-EP-FXT-follow-up-results-source-list-and-quick-flux-estimation](https://forge.in2p3.fr/projects/burst-advocates/wiki/Check_EP_ToO_status#3-Check-the-EP-FXT-follow-up-results-source-list-and-quick-flux-estimation)

[https://forge.in2p3.fr/projects/burst-advocates/wiki/Check\\_Swift\\_ToO\\_results](https://forge.in2p3.fr/projects/burst-advocates/wiki/Check_Swift_ToO_results)

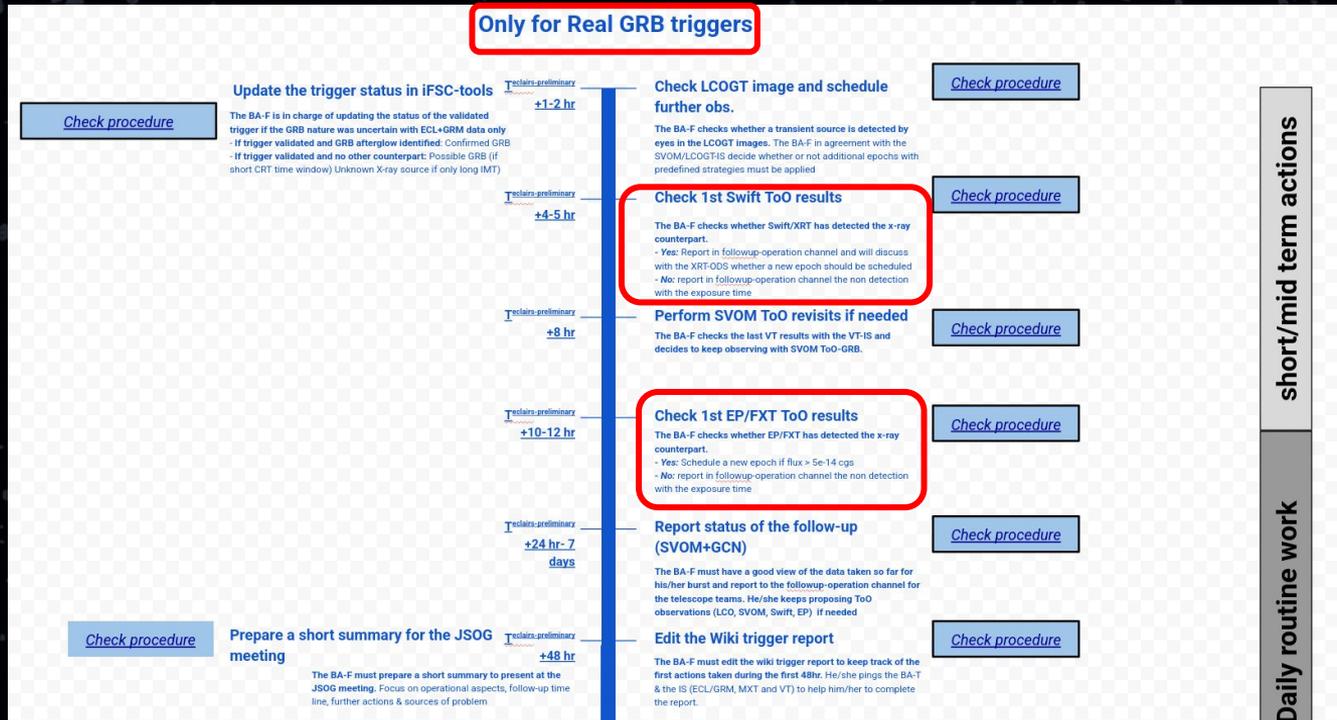
# When to do these actions?

Urgent actions within the first 30'-1hr



# When to do these actions?

T0 > 1h and routine work



**Questions?**