

# Data related to the optical transient candidates

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1. What data is expected for a BA?

2. How to get the data?

3. the next plans

# Motivation

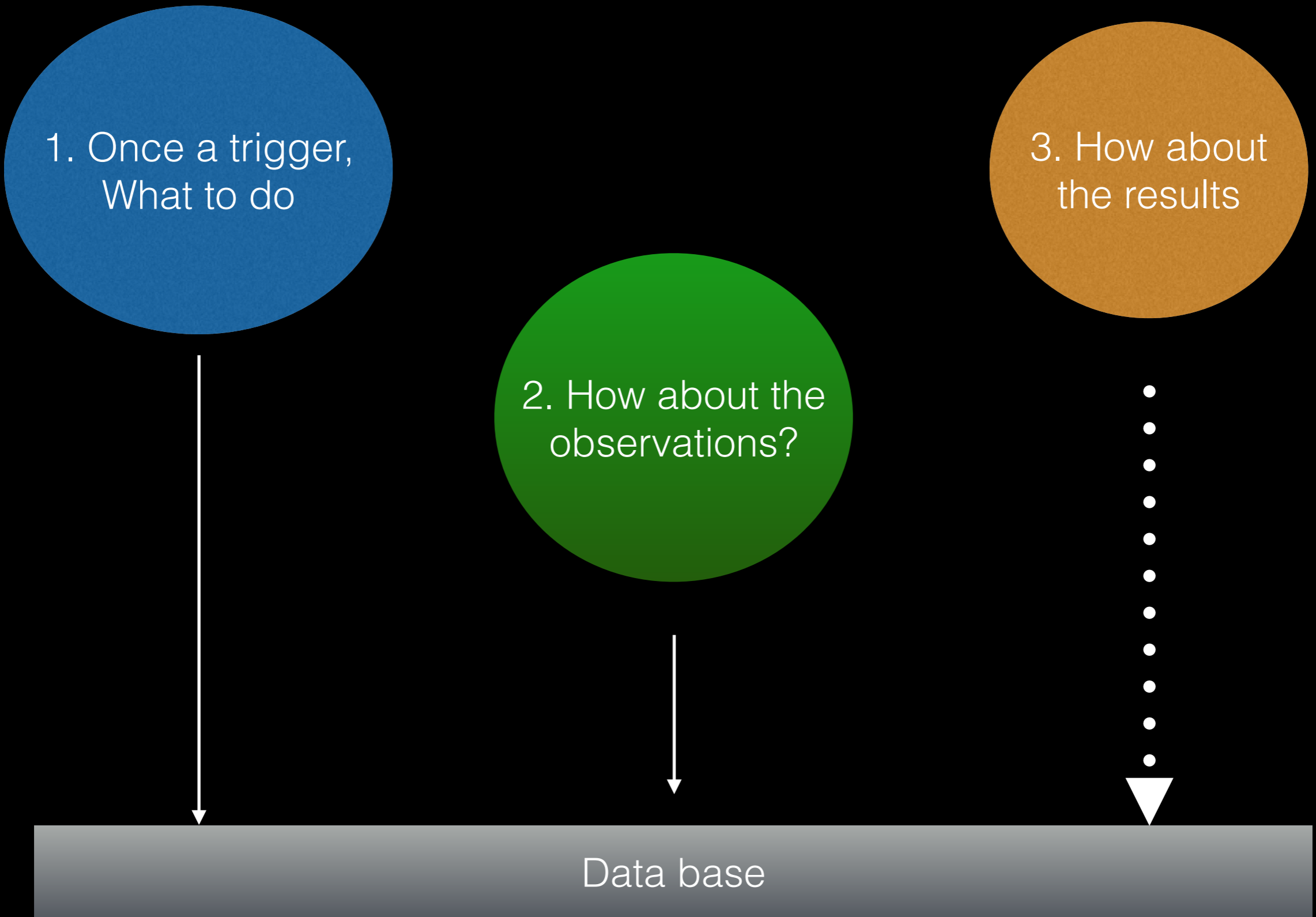
- Training of SVOM BA
- Training during O3
- Validation of optical transients detected by GWAC/F60/F30
- A preparation for SVOM ToO program
- Proposed during Gaochun meeting this May

1. Once a trigger,  
What to do

2. How about the  
observations?

3. How about  
the results

Data base



# Once a triggered received

- Information of ToO, such as skymap, distance, possible nature of the source, etc (CMM-DB for O3 by Damien et al.,)
- The observations plans, including the telescope, observations time, etc. (Xuhui et al., )

# Once one observation is carrying out

- 1.the observations log

- 2.the expected date for the availability shall be given accounting to the pointing, exposure time, the delay of the data processing

# Once the observation finished

- the observations results

- 1.if no any OT candidate

- observation results log

- 2.if yes

- observation results log

- OT candidates log

The excel table



# Delay of the results of ToO-MM observations

- Data processing
  - Real time for GWAC/F60
  - Online process but have a delay for F30 at present but it is soon to be real time (in two weeks).
- Validation for GWAC
  - Done in real time by duty scientist.
  - All high-priority candidates and confirmed by F60 automatically.
- Validation for F60 and F30
  - ToO observation results are checked by people at the next morning since all of these related to ToO observations are not stored in the DB currently.

The progress of this part is slow now, need to speed up.

# Next plans

- All these results of ToO observations shall be shown on the webpage and validated by BA itself — a key procedure for the training of BA
- To finish the definition of the interface between the data process pipeline or GWAC-DB to CMM-DB
- Differential image analysis is delayed. Hope to be online in one month.

15 sec, 1 min, 5 min, 25 min, 2 hours

