

Skyportal developments and STDPIPE items for GRANDMA

Responsible : C. Douzet (IJCLAB)

A) Reporting of the data per source

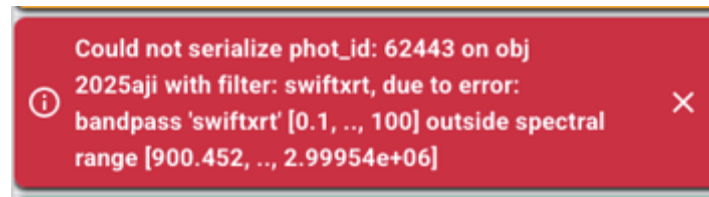
a. Photometry Table Customization

- i. ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ ~~#5622~~ Display SNR and Magnitude System (e.g., AB/Vega) columns by default.
- ii. ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ ~~#5622~~ Remove Ra, Dec, Ra_unc, Dec_unc columns by default
- iii. ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ ~~#5622~~ Fix column ordering logic (e.g., MJD time after UTC).
- iv. ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Enable downloads that include only validated points (excluding x and ?).
- v. ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ Enable editing of the **instrument name** (not just the filter) during metadata editing.
- vi. In the public page, report a selected number of detections or upper limit (like one per telescope but not all)
- vii. ~~P?~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Add functionality to **select multiple items** (e.g., photometry point) at once and **delete them in bulk**. **Be careful to the actions associated to the checkbox**
- viii. ~~P?~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ Should be good to have a column with T-T0 add exposure time in the photometry table.
- ix. ~~P?~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Make a public GCN circular for GRANDMA based on the link of a the public page and using the author list per telescope
- x. ~~Add a column to show with which group the data is shared~~

b. Vega vs AB Systems in photometry table

- i. ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ ~~#5429~~ Add confidence if the table is shown in Vega or AB system is detected:
 - ~~Make sure conversions (or lack thereof) are clearly flagged, especially after reupload (do we need to refresh the page ?).~~

- Avoid frozen states or crashes when uploading incompatible filter/magnitude system combos (e.g., uvor/xrt and then we can't convert the table in Vega)



c. Extinction

- ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Simplify preparation of modeling ready tables from uploads with another column after extinction correction of mag, magerr, flux and flux_err post extinction, the code is done in python by M. Pillas with SN cosmo filter and needs as input the final localization

d. Photometry & Light Curve plot

- ~~Done~~ ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ Improve filter/instrument grouping : Automatically group or organize by filter, or instrument with a cursor and by alphabetical order
- P? ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ Add in the plot a cursor with LC only with validated plots or not with all ? Same as the photometry table
- P? ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ Naming conventions for the plot by c (and remove origin)

e. Upload photometry

- P? ~~Non-urgent~~ ~~Skyportal~~ ~~Quick~~ Prioritize most-used groups (e.g., Grandma at the top not AMPEL) of group-sharing dropdowns that belong to

B) Management of the source (label, groups, data rights)

a. Dashboard

- ~~Done~~ ~~Non-urgent~~ ~~ICARE~~ ~~Quick~~ ~~#106~~ Recent sources : Remove ZTF Kilonova/Swift in title (specific to ICARE)
- P? ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Recent sources : If you add multiple groups to the same source, the source should not appear multiple times in "recent sources"
- P? ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Recent sources : The order in "most recent source" in the dashboard should be depending on the creation dates (not on the date when they belong to a group)
- P? ~~Non-urgent~~ ~~Skyportal~~ ~~Medium~~ Search bar's filtering mechanism is too constraining. It requires knowledge of the precise item name to retrieve it, instead of allowing searches based on partial source name inputs

b. GCN event visualisation

- i. P? ▾ Non-urgent ▾ Skyportal ▾ Quick ▾ If the origin is SVOM or SWIFT or Einstein Probe, remove < 200 sq. deg, < 500 sq < 1000 deg and > 0.9 500 sq in “the GCN event pages” as it is Always the case :)
- ii. P? ▾ Non-urgent ▾ Skyportal ▾ ? ▾ Link GCN page with follow-up advocates on duty created at the source level

c. Source general page

- i. P? ▾ Non-urgent ▾ ? ▾ ? ▾ In source, must appear by default only the sources of the group you belong to in sources OR a direct link to groups. For the moment, we need to go through Groups, sources etc and there is no direct link (instead of 4 clicks to access and filter the sources)
- ii. P? ▾ Non-urgent ▾ ? ▾ ? ▾ What is auto-annotation ?

d. In case a source is created by a GCN alert (e.g SVOM, Swift, IceCube, EP)

- i. P? ▾ Non-urgent ▾ Skyportal ▾ Quick ▾ Visualisation: change « GCN Crossmatches » into “Corresponding GCN” and the link must appear automatically at the creation of the source page
 - ii. P? ▾ Non-urgent ▾ Skyportal ▾ Quick ▾ Add automatic T0 if the GCN crossmatched is found
 - iii. P1 ▾ Urgent ▾ Skyportal ▾ Medium ▾ Add automatically a label on the origin of the instrument that generates an alert
 - iv. P? ▾ Non-urgent ▾ Skyportal ▾ ? ▾ Synchronize localization from GCN event and source pages, should be the last updated
- e. For every sources, (added automatically or added manually by the FA)
- i. P? ▾ Non-urgent ▾ Skyportal ▾ Quick ▾ Add uncertainties (the most updated) and label if un < (10/3600 in radius so it is 10 arsec)
 - ii. P? ▾ Non-urgent ▾ Skyportal ▾ ? ▾ **To be discussed on Thursday**, if the source is not localized, how to make it visualized ? S. Antier suggested a “pop up” window with “be careful the localization corresponds to the center of the localization error box”
- f. In case of sources automatically generated by SVOM or Swift GCN (corresponding to the GRB program),
- i. P? ▾ Non-urgent ▾ ICARE ▾ Quick ▾ Add group GRANDMA
 - ii. P? ▾ Non-urgent ▾ ICARE ▾ ? ▾ Update on the last location

Created at	Name	Center	Tags	area_90	probability_500
2025-05-06T02:42:33.054288	219.61260,29.27720,0.10780	Position (J2000): 14:38:27.02 +29:16:37.92 (α , δ = 219.6126, 29.2772; l , b =44.458348, 66.376258) $E(B-V)$ =0.01	< 200 sq. deg. < 500 sq. deg. < 1000 sq. deg. > 0.9 in 500 sq. deg.	0.1679	1.0000

- g. P? ▾ Non-urgent ▾ ? ▾ ? ▾ **To be discussed on Thursday**, Mention at the top the follow-up advocate on duty during the creation of the source page (and what we do with follow-up advocate and data coming in the follow-ing day ? Do we have a specific page for advocates to tackle all the “on duty” sources ? Depending on what we debate for burst advocate on duty
- h. P? ▾ Non-urgent ▾ Skyportal ▾ Medium ▾ Rename sources (from GRB-250506_022322 from a name given by a FA who has the rights), This name must correspond to the most common name adopted by the general community (the one for example used in GCN or ATEL). This can be renamed anytime. **Be careful that this appellation must be in conflict for ACME, as different collaborations might want to call it or rename it differently, to be discussed at the workshop**

C) Triggering of the telescopes and interaction with them

- a. How to notify telescopes teams and parameterize them based on their observability, program, is the people received their notification or how via API ?
- b. TAROT: how to make sure it is triggering ? and observed ? (It is done by Antoine but there are issues)
- c. Add a loop back on what TAROT has observed in skyportal (it is already done) but can we go further with if it is process by STDPIPE

Yesterday ▾



ampel-mm-bot APP 10:48 AM

Still active at 2025-05-12 15:48:38.787366 UTC

ZTF ToO queue:

queue_name			validity_window_mjd		is_T00
n_entries	field_id	filter_id	exposure_time	max_airmass	

0	ToO_IC_140896_73492707_rev1_3		[60807.18625104167,	60807.255695486114]	True
2	nan	nan	nan	nan	
1	ToO_IC_140896_73492707_rev1_4		[60809.187639930555,	60809.250139930555]	True
209	663	1	30	2.5	
2	ToO_IC_140896_73492707_rev1_5		[60811.18902881944,	60811.216112152775]	True
210	663	1	300	2.5	
3	ToO_IC_140896_73492707_rev1_6		[60811.21680659722,	60811.243889930556]	True
210	663	2	300	2.5	

WINTER queue:

attempted_frac		too_schedule_name		n_entries
total_time_hours	window_start	window_end		
--	-----	-----		-----
----	-----	-----		
0	0.5	request_2024A001_2025_05_06_11_16_05		2
0.533333	2025-05-07 18:15:43.989	2025-05-20 18:15:43.989		

How to receive json from Fritz about sources (Can we use Hermes ?)

- How to handle TNS sources more properly (and adding new points)
- Does the “upload” Fink photometry point work ?
- How to notify the telescope team via Skyportal ? Are they registered correctly ? For sarah

D) Management of people and shifts (follow-up advocates)

- P? ▾ Non-urgent ▾ ICARE ▾ Medium ▾ Separate admin account and user account. There must be a admin account and a super-admin account (to avoid to see everything even the persons that are not anymore in the collaboration)
- ~~P? ▾ Non-urgent ▾ ICARE ▾ ? ▾ Management of the different user rights/roles (who can view, comment, edit, validate ? edit regarding your profile) **To be discussed during the workshop and define different types of users including for ACME project**~~
- P? ▾ Non-urgent ▾ Skyportal ▾ ? ▾ Shift Administration: It would be helpful if shift administrators could assign other people as administrators when creating shifts. This would make it easier to manage shifts, especially when someone else needs to modify them.

- d. P? ▾ Non-urgent ▾ Skyportal ▾ Medium ▾ Pre-Created Shift Templates: It would be great if shifts were already set up as standard templates, so shifters could just sign up without having to create shifts themselves. If any adjustments need to be made, they could be done manually by the administrators. One box per week, 12h 20h, 20h – 04h, 04h – 12h CET (with a color system ?)
- e. P? ▾ Non-urgent ▾ ICARE ▾ ? ▾ What do we do with inactive accounts ? If we want to delete a user, we have to be sure that data related to a user will not be deleted.
- f. P? ▾ Non-urgent ▾ ICARE ▾ ? ▾ Is it possible to uniformise the username account ? Maybe something by default like (*jdoe* for the user John Doe), and the user can't rename this username.
- g. P? ▾ Non-urgent ▾ ICARE ▾ ? ▾ **To be discussed; What do we share between groups from different collaborations ? in terms of data, annotation, etc.** In my mind, GCN photometry must be shared. In Skyportal, a feature is already implemented to separate group data on the same source, to be discussed.
- h. Clear the notifications history every week for example.

E) STDWeb issues

- a. When a user is doing a research on a telescope name, the field options should be in **alphabetical** order and corresponds only to GRANDMA telescopes (or not the full list of a research bar ?)
- b. Is it possible to add an **"upload" button** in the task to avoid doing manual research ?
- c. **Allow users to clone a task** : should be explained :) It is under Unsafe controls
- d. In skyportal, the owner is always the same. Is it possible to link stdweb and skyportal accounts to have the correct usernames in the database.
- e. Cross matched the account of stdpipe web with skyportal, should it be the same ?
- f. Can the candidates be portable in a **DS9 format** ?
- g. S. Antier not sure how to work the cross-matched tasks ?
- h. When we run soustracted image section, can the photometry at the location of the source of the template be written and also, the upper limit of the image ?
- i. Can we group images in stdpipeweb with the same "RA, DEC" frame center location ?
- j. Where the data in stdpipeweb are stored ? Is it a duplication from the owncloud ?
- k. connection between skyportal and stdpipeweb, a service ? or what about the KNC service ?
- l. how to connect the candidates page of skyportal with stdpipeweb ?
- m. Take on the first images of TAROT without stacking and run stdpipe (not web on it) to investigate any detection

SP feedback from users

Follow-up shifters to be discussed at the workshop: How to check observability and process outside of ICARE about which telescope to observe or ready to observable

Photometry: checker le code de conversion de code de conversion de AB mag en flux density

Alt + Majuscule + 5