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Newsletter #26, April 20th 2018  
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**Last news from the front (Engineering and Data Quality status):**

Latest technical failures were addressed and have been fixed  
Continued work on the starflat map

**News from the GROWTH Marshal: How to report issues on the GROWTH marshal?**

Note that the team will not be using [contact\\_growth@astro.caltech.edu](mailto:contact_growth@astro.caltech.edu) as a point of contact any longer. If you want to get in touch with the Marshal team, you can fill this [Google form](#). The Google form can be accessed from the marshal homepage by clicking on the "Contact Us" button in the menu to the left. A link to the Google form is also available on the [Marshal FAQs](#) page on the Twiki. For urgent requests only, you can email us at [growthmarshal@astro.caltech.edu](mailto:growthmarshal@astro.caltech.edu)

**List of softwares:**

Following several requests at the collaboration meeting, we started listing the various general purpose softwares that people are building, to avoid spending twice (or three times, or more) the effort. A preliminary list is available on the [twiki](#), based on what people have sent us so far. Please help us in this task and let us know if you are building a software which you think could benefit (or be relevant to) a large portion of the collaboration.

**ZTF summer school:**

We will have our first ZTF summer school between July 18th - 20th. Help is urgently needed. Please email Matthew Graham ([mjg@caltech.edu](mailto:mjg@caltech.edu)) if you can and want to help.

**News from working groups**

**SNe and relativistic explosions:** "The Supernovae and Relativistic Explosions group have been working on our Early Science Results contribution to Eric's ZTF Instrumentation paper (summarizing transients discovered during science validation + showcasing ZTF18aaayemw). We have also put together an ATel of recent transient discoveries, which we hope to release shortly."

**Cosmology:** "We are continuously working on getting AMPEL up and running, including modules that will allow us to supply bright targets for SEDM. Uli is finishing up a paper draft on his lightcurve simulation code, which will include predictions for the numbers of SNe found by ZTF."

**AGN & TDEs:** "The ZTFbh SWG is doing daily scanning of alerts that pass our GROWTH Marshal "Nuclear Transients" filter. We are having some difficulty confidently identifying "bogus" image-differencing artifacts in the centers of galaxies by eye...so we are being generous with our scanning, and plan to assess the classification of our saved alerts in a couple weeks, and make some diagnostic plots to see which parameters we can cut on to remove "bogus" alerts. We will make sure to feed this late-identified "bogus" alert information back to the ML group. We are continuing to follow the evolution of our TDE candidate "Ned Stark" with HST,

XMM, VLA, Swift, Gemini, DCT, Keck, etc. We also have two confirmed changing-look AGN (CLAGN) so far, and have another candidate not yet spectroscopically confirmed. We have some concerns with the scatter in the photometry that has also been pointed out by the SN SWG. We will send Frank examples when we see them.”

**Galactic and M31:**”The Galactic group has developed two filters: young stars and dwarf novae. Getting ready for Gaia DR2 and we are waiting that the Galactic Plane starts to rise again”

### **Reminders:**

- **ZTF general slack channel:** Please join through this [link](#)!
- If you want to get access to the **ZTF data** via the IRSA interface, please request data access to the communication coordinators: [ztf.communication.coordinators@gmail.com](mailto:ztf.communication.coordinators@gmail.com)
- Archive GUI** now ready! The interactive image search, filtering and visualization tool is now ready (see previous newsletters).
- The **ZTF Twitter account** is now active! <https://twitter.com/ztfsurvey> Re-tweet @ztfsurvey!
- To use the **url shortener** (e.g. during telecons, talks, in emails), navigate to <http://zwicky.tf/shorten> (username: ztf password:16chips) and type in the URL you want shortened.
- The **Wiki page** is active! Check it out at <http://zwicky.tf/wiki> . To request access, please email us at [ZTF.communication.coordinators@gmail.com](mailto:ZTF.communication.coordinators@gmail.com)

*“ The most exciting phrase to hear in science, the one that heralds new discoveries, is not 'Eureka' but 'That s funny...' ” (Isaac Asimov)*

Have a great and productive week!  
Thomas and Maayane