

**If the newsletter does not look good in your email, check the pdf [here!](#)**

### **Extension of Year 2 RFI**

There is a short extension of the deadline for the RFI for Year 2 Survey operations. If inclined, please upload any documents at this [URL](#) by **Feb 7**.

### **News from GROWTH (by Ashot Bagdasaryan)**

Users can now trigger the Liverpool telescope for sources that belong to Infant Supernovae, Fast Transients, and Electromagnetic Counterparts in Gravitational Waves under 'Add Followup' on the source page.

### **News from working groups**

**Machine Learning:** “(a) Within a week the Zooniverse volunteers (over 400 in number) provided more than 60000 classifications (on just under 7000 objects). We will be analyzing the data (both for biases and for good classifications). If anyone is interested in helping with analysis let me know ([aam@astro.caltech.edu](mailto:aam@astro.caltech.edu)). We have jupyter notebooks. Today a new dataset was switched in with 6K very recent candidates. SWGs will be interested in keeping an eye on notes that volunteers produce. There were many SNe in the last set, for instance:

<https://www.zooniverse.org/projects/rswcit/zwicky-s-quirky-transients/talk/2186>

Help on discussion boards is also appreciated. Let me know and I will add you to the list of “researchers” on Zooniverse.

(b) The Zwickyverse setup to scan Galactic plane objects is almost setup. Let us know if you can help.

(c) The ML for ZTF PASP paper has now been published: <https://dx.doi.org/10.1088/1538-3873/aaf3fa> “

**Supernovae and relativistic explosions:** “The Supernovae and Relativistic Explosions group is excited about the ZTF discovery of a new transient in M51, ZTF19aadyppr/AT2019abn! (Not a supernova, but possibly a 2008S-like object.) We also heard updates on Ampel and pySEDM.”

**Solar System:** “ZTF images on 2019 Jan 9 caught comet 123P/West-Hartley in the midst of a rapid 0.9 mag increase in activity (preliminary report in ATel 12380). Since Jan 10, the brightness has remained near constant, suggesting this is not an outburst, but might be the onset of a new active area that has doubled the mass-loss rate of the nucleus. We are continuing to analyze and follow-up this event.”

**AGNs and TDEs:** “Thanks to our well-oiled infrastructure of filtering, autosaving, and ranking candidates, the ZTFbh SWG has a new confirmed TDE: Cersei Lannister (ZTF19aabbnzo). We are triggering follow-up with Swift, XMM, Gemini, and VLA. We are also continuing to monitor TDE Sansa Stark (ZTF18abxftqm), for which we got HST DDT STIS UV spectroscopy approved and is scheduled for next week. We hope to keep up this rate of TDE discovery for the rest of 2019!”

**EM/GW and Neutrino Counterparts:** “We discussed P48 ToO and Gemini proposals. The realtime neutrino correlation program is now fully automated and pushes 1-3 AMPEL selected transients per day to the marshal.”

**The papers corner:** Please remember to let us know if your paper was submitted/accepted. We will let the collaboration know here.

**March collaboration meeting in Israel:**

Please register ASAP, [here](#) if you have not done so yet and are planning to attend.

**Reminder: IMPORTANT: We (still) need your help for the ZTF FAQs page! (and would love to remove this item from the newsletter)**

During several weeks, we have listed the questions that people across the collaboration would like to have in the [FAQs](#) page. Now it is time to add answers. Please help us fill the voids (and elaborate on the answers already there).

**More reminders:**

- Public Alerts: There is a [link](#) to the alerts archive on the [website](#)!
- Please help us keeping track of all the available softwares! A preliminary list is available on the [twiki](#). 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 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 ().
- 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)

*“Today I will do what others won’t, so tomorrow I can accomplish what others can’t”* (Jerry Rice)

Have a great and productive week!

Thomas and Maayane