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Newsletter #78, April 22nd 2019

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“News from the front”: Engineering Update (Richard Dekany)

ZTF has been operating nominally. No engineering activities have been undertaken this week

Archive Down Time

On **April 24**, ZTF archive services, including forced photometry, will be unavailable from **10AM to 2PM** PDT due to maintenance.

Updates from the GROWTH Marshal (by Ashot Bagdasaryan)

There are two new features: 1) The Liverpool Telescope can now be triggered for low priority follow-up for programs RCF, CLU, Infant Supernovae, Superluminous Supernova II, EM-GW, Fast Transients, Orphan Afterglows Caltech, and Rapidly Evolving Transients. 2) The PanSTARRS images on the source and examine pages now have crosshair overlays.

News from working groups

Machine Learning: “The ML group will be creating a standard dataset (or two) to be used for many ML experiments. **If you have a favorite class of objects that needs to be included, let us know.** Similarly, **if you would like a specific ML method tried, or would like to implement/contribute one, let us know.**”

Supernovae and relativistic explosions: “This week, we discussed the newly implemented “Lensed Supernovae” filter, a new MOU with Alceste Bonanos for rapid photometry, and opportunities for supernova science with TESS now that it will soon switch to observe Northern fields. Transients of interest at the moment include ZTF19aamsetj, a SN Ic that has undergone a nearly 2 mag re-brightening, probably due to circumstellar interaction.”

Solar System: “Thanks to the recent good weather we are harvesting NEOs again -- ZTF has found three NEOs last week. Kudos to Hanjie Tan (NCU) for finding all three of those!”

AGNs & TDEs: “The ZTFbh SWG has confirmed it’s 9th TDE: PetyrBaelish at $z=0.193$ (ZTF19aakiwze). We are actively tracking TDE JaimeLannister’s evolution in the radio, optical, UV, and X-rays. Again, if anyone wants to take a spectrum of him (ZTF17aaazdba), he is bright ($r=15.8$ mag) and developing strong H broad-line features. Sjoert has added auto annotations for variability and color information from neoWISE on the Marshal for improved AGN filtering.”

The papers corner:

The Deep Streaks paper has been accepted: <https://arxiv.org/abs/1904.05920>

Save the date! September 3-5: ZTF fall collaboration meeting

Please save the date for the fall ZTF collaboration meeting, to be held on the University of Washington campus September 3-5. Space will be available on September 6 for further breakouts and hack sessions.

Reminders:

- PublicAlerts: 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
- **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

"Freedom is never free" Maya Angelou

Happy Easter & Happy Passover!

Thomas and Maayane