If the newsletter does not look good in your email, check the pdf here!

Updates from the GROWTH Marshal (by Ashot Bagdasaryan)

The following new features were added:

i) A link to the 'pending transaction' page after a user has requested a source transfer so the user can accept the source immediately if he or she belongs to the receiving science program.

ii) [N II] nebular lines at 6548 and 6583.5 for H\alpha in the galaxy spectrum on sources' spectra pages.

iii) Changed the default date range on the scanning page to the start and end of the current day.

iv) Updated photometry instrument metadata to iPTF, previously ZTF, if attained using the 'Update iPTF data' button on the photometry page.

v) Autoannotations for EM-GW, Neutrinos, and Fermi Afterglows: WISE colors, jdstarthist, CLU annotations, low b, GAIA match & parallax.

News from working groups

Supernovae and relativistic explosions: "This week has been filled with the excitement of an unprecedented infant supernova(?): ZTF19aayejww. First-night spectra from SEDM and Gemini show high-ionization flash features from carbon and oxygen (but no H or He), which persisted over multiple days. The transient is UV-bright and has risen to an initial (?) peak around -19 mag in just a few days, and it is still unclear exactly what kind of object this is going to turn out to be. Stay tuned!"

Machine Learning: " (1) A reminder that starting later this week the deep RB "drb" score will be added to the alert packets. At the ZTF ML meetings we have been having short presentations, so come join us. We have started putting together different training sets. (2) **Jun 24-28** Caltech is hosting the 10th Astroinformatics conference. As part of it we will have a **hackathon from 2 PM on Jun 27 to lunch time on Jun 28**. If you have a ZTF dataset (public, or sharable) you will like more eyes to look at, please get in touch. Or if you have an idea and may not get to work on it soon but would be good for someone to try, get in touch soon. aam@astro.caltech.edu

Solar System: "(1) There are 20+ NEO candidates from ZTF on MPC's NEO Confirmation Page right now. A technical issue at MPC has delayed the announcement of many new NEOs, but we are now only a few NEOs away from the 100th ZTF NEO, so hopefully we will formally cross the 100th mark next week (2) We found a very bright (V=14) NEO earlier this week: tweet and snapshot (https://twitter.com/Yeqzids/status/1137461192018939904). It is a 50-m-class boulder that happens to have passed quite close (1.4 Earth-Moon distance) to the Earth."

The papers corner:

Transient processing and analysis using $\mathcal{AMPEL}$: Alert Management, Photometry and Evaluation of Lightcurves by Nordin et al. 2019, A&A https://arxiv.org/abs/1904.05922

Please send us your published papers, they will be advertised here.

Please send Joy Painter, the Astronomy Librarian at Caltech, links to papers as soon as soon as they are published. They will be kept track of here.

Reminder: 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 tohttp://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

"Everything good, everything magical, happens between the months of June and August" – Jenny Han

Have a great and productive week!

Thomas and Maayane