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Newsletter #129 May 27th 2020

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Happy announcement

Congratulations Erik Kool and Puck on the birth of your little girl!

News from the GROWTH marshal (Ashot Bagdasaryan)

This week we added:

- An autoannotation for ZUDS sources indicating that a crossmatch was found for a ZTF source.
- An autoannotation for new candidates belonging to the ZTF science validation program indicating an asteroid if $ssdistnr = 0$.

Additionally, we had an issue with candidate ingestion over the weekend. Missed candidates were re-ingested and will appear on the scanning page when searching for candidates using the dates 2020-05-25 19:00:00 and 2020-05-26 13:00:00 in UTC.

News from working groups

AGNs and TDEs: “We are happy to announce our VLA Large Program of 300 hours to follow up TDEs (predominantly from ZTF) got accepted. This will start in November of this year. With our currently active VLA program we recently detected a new TDE (ZTF19acspeuw, aka Tormund).”

Cosmology with SNe Ia: “Members of the Cosmology SWG (N. Nicolas, M. Rigault) published a recent study on the redshift evolution of the Type Ia supernova stretch distribution:

<https://arxiv.org/abs/2005.09441>”

Multimessenger: “Last week we followed up the Fermi short GRB 200514B with ZTF, covering about 520 deg² or ~50% of the probability enclosed in the localization map. Transients discovered during the follow-up were reported in [GCN #27737](#) and [GCN #27745](#), however the afterglow (or kilonova) associated with the GRB was not identified.”

Physics of supernovae and relativistic explosions: “Anna gave an update on ZTF20aajnsq at $z \sim 2.9$. It is a candidate orphan-afterglow without a gamma-ray burst. She observed the afterglow from X-ray to radio frequencies and found somewhat unusual properties. Anna tested different models to explain the

observations: on and off-axis GRB afterglow models and a dirty fireball model. A paper is in preparation and will be circulated soon.”

The papers corner:

Please keep us updated about your submitted/published papers, they will be advertised here. Please send Joy Painter, the Astronomy Librarian at Caltech, links to papers as soon as they are published. They will be kept track of [here](#).

Reminders:

- PublicAlerts: There is a [link](#) to the alerts archive on the [website](#)!
- Please help us keep 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

“Children make you want to start life over.” - Muhammad Ali

Have a good and productive week!

Igor and Erik