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Newsletter #32, June 1st 2018

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**Last news from the front (Engineering and Data Quality status):**

starflat and skyflat analyses ongoing

focus tests also ongoing

**Help (still) needed with ZTF monitoring:**

There have not been enough people subscribing for monitoring the telescope.

It is an important task with a high ratio of (learning)/(time spent) !

Please sign up at the Doodle: <https://doodle.com/poll/fticdw8zihkmr46a>

And see the instruction [http://noir.caltech.edu/twiki\\_ptf/bin/view/ZTF/WatchingP48](http://noir.caltech.edu/twiki_ptf/bin/view/ZTF/WatchingP48)

For further discussions, there is now a Slack channel: #monitoring-ztf

**Public ZTF events now on the TNS!:**

A link to all targets and to the confirmed SNe is now accessible from the [website!](#)

**Reminder: MSIP alert usage:**

We intend to start the public stream of alerts from MSIP programmed survey fields on June 4, Monday.

Prior to this date, MSIP alerts can be reviewed for QA purposes (verifying alert quality, tuning marshal filters,

defining training sets for RB, etc.). If a MSIP alert is rated as scientifically interesting during this period

(deserving of followup) then it needs to be made public via TNS or ATEL before any followup observations can

be taken. The date on which the alerts will start will be confirmed as we get closer to this date. Once the stream

goes public the partnership may use MSIP alerts without restriction.

**Reminder: Please sign up to the next collaboration meeting:**

We would like all of you who are planning to attend the meeting in August to sign up ASAP. Directions to

near-by hotels have now been added to the registration page by the organisers:

<http://agenda.albanova.se/confRegistrantsDisplay.py/list?confid=6506>

**News from working groups**

**Machine Learning:** "A new RB model is now deployed. It is based on data up to 8 May and tested on data upto 24 May. The performance has improved. Do continue providing information about errant objects to further improve the model. The ML paper has been submitted to the Pub Board. A PDF copy is on the ZTF papers wiki page. Comments are still welcome."

**AGNs and TDEs:** "The ZTFbh SWG is continuing daily scanning of our nuclear transients in the GROWTH Marshal. We are on the hunt for our third TDE, and are continuing multi-wavelength monitoring of the evolution of our two active TDEs (Ned Stark and Jon Snow). We are looking forward to working closely with the AMPEL team to get our AMPEL channels up and running soon. Our SWG is also proud to introduce its first newborn baby member, Noor lo van Velzen: congratulations Sjoert!"

**EM-GW and Neutrinos:** “We responded to the first target of opportunity trigger from a Fermi short-GRB. The GROWTH marshal is handling ToOs smoothly. No afterglow was detected. Results announced via GCN: <https://gcn.gsfc.nasa.gov/gcn3/22739.gcn3>”

**SN Ia cosmology:** “Work continues on AMPEL. We are now also archiving the thumbnails to allow full access to all alert information. Also, since we now have a small set of SNe Ia lightcurves with full coverage including i-band, we started compiling some first statistics of how many Ia’s we are finding that are suitable for cosmology. The results will be posted on the Twiki in the coming weeks.”

**Solar system:** “We exercised the first successful ZTF-Lulin discovery+follow-up campaign, the target was a potential NEA found by ZTF on May 24 and was successfully confirmed by Lulin 7 hours later. Unfortunately this one turned out to be a large Mars-crosser (close to NEA definition, but not quite). We hope there will be more successful campaigns in future! Chow-Choong and Jian-Fong (grad student at NCU) writes that the new wide-field telescope at Lulin has been registered at the MPC as D37. Several solar system team members are presenting their early ZTF results at the meeting of the Asian oceanic geosciences meeting in Honolulu next week.”

**Galactic/M31:** “The Galactic group still follows the exciting outburst of ZTF18aautxxk. After it went back to quiescence within a few days, it started to brighten again most likely going into a superoutburst stage. We are expecting the first bulk generation of matchfiles next week.”

### **Reminders:**

- 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)
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*"To get to know, to discover, to publish - this is the destiny of a scientist" (François Arago)*

Have a great and productive week!

Thomas and Maayane