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Newsletter #57, November 25th 2018

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### **News from DQA:**

A subset of the IPAC pipeline routines has been ported into [zfttoolbox](#). These include the code to produce calibrated high-frequency flats (domeflats) from the raw, monochromatic illuminator images, the instrumental photometric calibration pipeline, and the starflat analysis code.

In the next weeks we will use these tools to evaluate the impact of the color content in the flats on the photometric accuracy, using the starflat dataset and analysis as a target. This will make it possible to determine the optimal LED weighting scheme with respect to the PS1 calibrator stars.

### **News from working groups**

**EM/GW and Neutrino Counterparts:** "We are busy preparing for the first GW engineering run in Dec. 14-18. ToO runs can now be added to the growth marshal to display daily availability of different follow-up instruments. Visualization capabilities of the ToO marshal are further automatized. "

**Solar System:** "Deep Streaks (our faithful deep-learning based AI scanner) found its first NEO! NEO 2018 VJ10 passed us by only 0.5 Lunar Distance on last Wednesday (it came from the direction of the Sun, and was discovered when outbounded).

And as all good news come in pairs, Deep Streaks also recovered another NEO 2008 WS62, which had not been seen for 10 years.

The nights with subpar seeing conditions affected our NEO survey quite a bit (excessive candidates -- up to 10x more streaks in a night!). Dima, Frank and QZ were working to try to get things on the rail. It gets better as seeing return to normal levels.

Twilight survey begins, Eric and QZ have been working on fixing some bugs of the twilight survey scheduler. All bugs seems to be fixed as of this Wednesday which coincides with the arrival of the rain.

We will have to wait a bit to see whether everything works as planned.

Happy Thanksgiving everyone!"

**Galactic/M31:** "We continue with the winter Galactic Plane survey. Weather over the last few days and in particular over the weekend has not been very helpful, though. We are also preparing first papers. Stay tuned"

**The papers corner:** From now on, we will update the collaboration about new publications here. Please let us know one a paper has been accepted!

**Reminder: Mark your calendars, next team meeting is coming up:**

The Weizmann Institute is happy to invite everyone to the next ZTF collaboration meeting, which will be held at the Weizmann institute for Science in Rehovot, Israel - March 12-15, 2019.

Please have a look at the [meeting website here](#), and please begin registering (no costs involved) at your earliest convenience so that they can have a head count estimate ASAP.

**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)

*“Vegetables are a must on a diet. I suggest carrot cake, zucchini bread and pumpkin pie”*

*Happy thanksgiving*

Have a great and productive week!  
Thomas and Maayane