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

-Work continues on the shutter and filter exchanger systems to improve system performance.

-Ongoing work/analysis continues on: starflats, crosstalk between amplifiers, temperature/focus dependencies

2018 ZTF summer school:

The registration is now open for the 2018 ZTF Summer School. Please advertise at your institutes.

http://www.ztf.caltech.edu/page/summer-school

New ZTFtransient slack channel:

The SNe and relativistic explosions WG has a new slack channel! Please it if you are interested:

https://join.slack.com/t/ztftransient/shared_invite/enQtMzUzMzQ5Njc0MjkyLTdlODg3N2NjYzA3YTg2YjAwNWF
mOGY4MTkwMzlkZGRiZjg5ZGEzMGJmZDJlZWNjZmZmMDk3ZWRlODU3NDY4Njg

catsHTM: new catalogs included

Eran and Maayane recently added some additional catalogs into the catsHTM format.

New catalogs include GAIA/DR2, HSC/v2, and more.

Python code is available from:

https://github.com/maayane/catsHTM

Documentation and matlab code:

https://webhome.weizmann.ac.il/home/eofek/matlab/doc/catsHTM.html

Currently, the catalogs are available via Dropbox - please send us an e-mail if you like an invitation.

(ofek.eran@gmail.com)

Reminder ZTF next collaboration meeting:

Registration for the August team meeting in Stockholm is now open! The organisers would like to make a preliminary headcount to sort out some of the organisational issues. If you are >90% sure that you are coming, please sign up now if you have not done so already at:

http://agenda.albanova.se/conferenceDisplay.py?confId=6506

News from working groups

Machine learning: "CCD4 campaign is now part of Zooniverse. The stretch should be better than before to. Please add to our training sample by classifying. The new RB version that should remove bright star artifacts has been delivered. It should be part of the pipeline next week. On the transient marshal, please mark reals with low RB scores, and artifacts with high RB scores. Those help us most."

SN Ia cosmology "The AMPEL software and hardware have been going through a series of stress tests, all successful so far. Efforts were made on improving analytics and monitoring of AMPEL channels, whose metrics are now accessible through Grafana dashboards. We will now start to gradually include science filters."

SNe and relativistic explosions: "The Supernovae and Relativistic Explosions group are working on our filters, searching the alert stream for transients, and hoping for better weather on Mount Palomar soon! Interesting objects we are following include ZTF18aalrxas, which showed a short-timescale luminous initial peak, and may now be re-brightening."

Galactic and M31: "We are working extensively with Gaia DR2 and look very much forward that the Galactic Plane starts to rise again."

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

-**Archive GUI** now ready! The interactive image search, filtering and visualization tool is now ready (see previous newsletters).

- 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

 "We need all the rain we can get. We just don't want the bad weather that comes with it " (Beth Johnson)

Have a great and productive week!
Thomas and Maayane