

#####

Newsletter #146 November 18th 2020

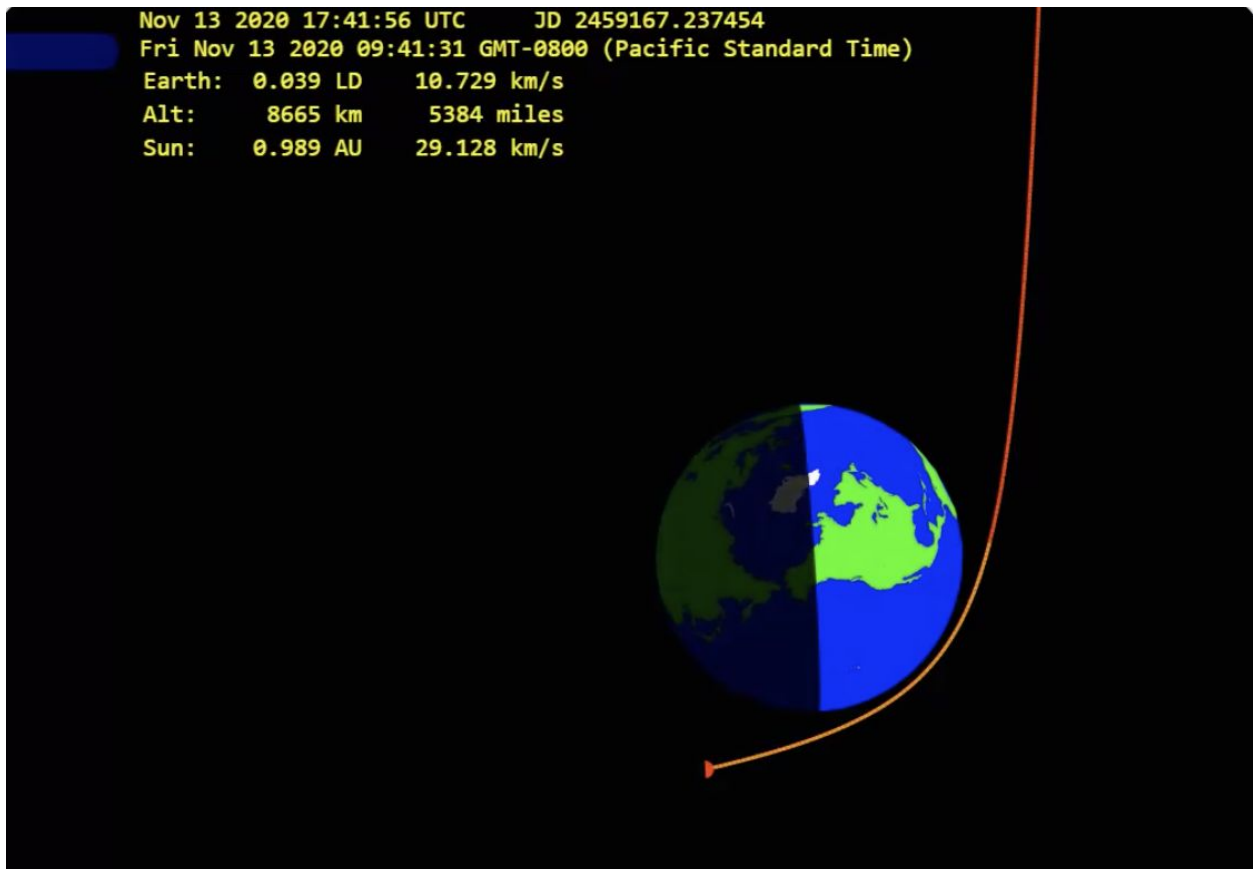
#####

If the newsletter does not look good in your email, check the pdf [here!](#)

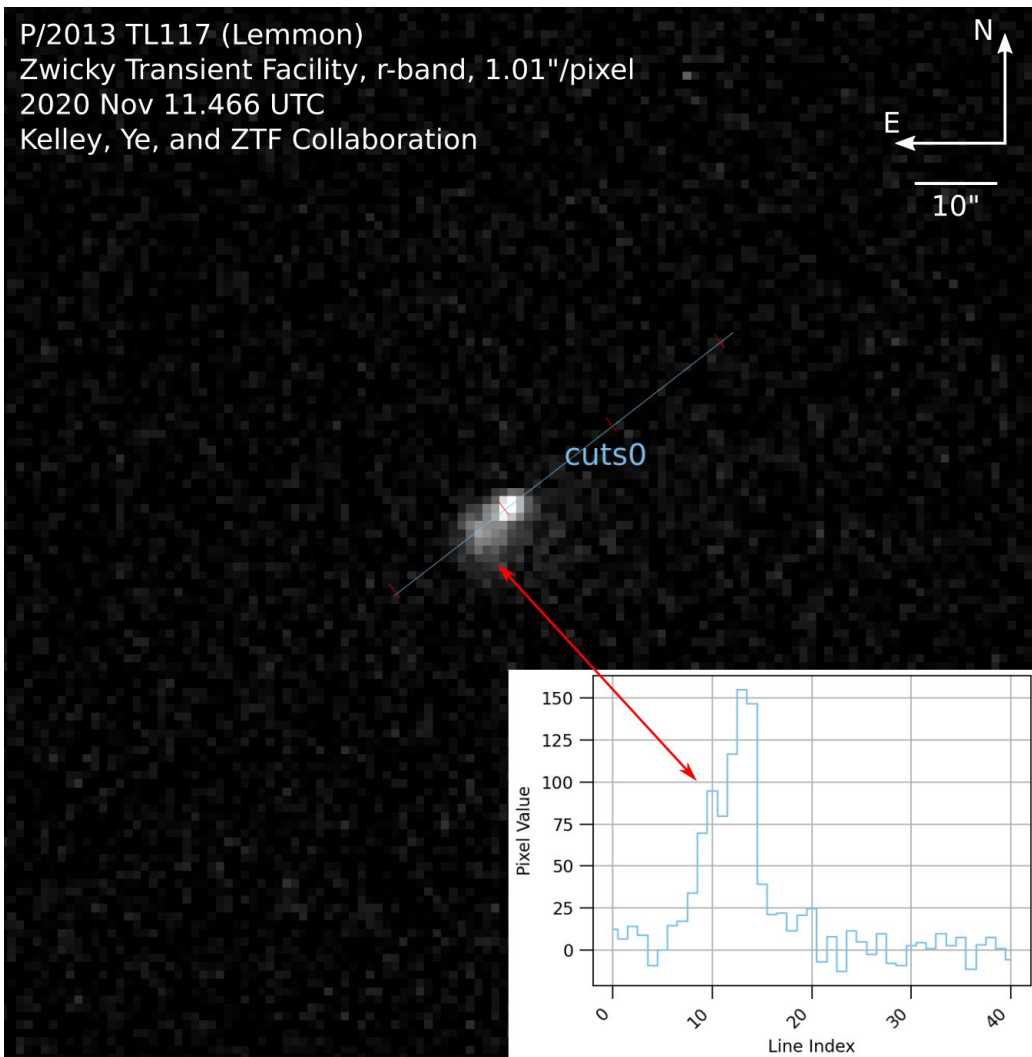
News from working groups

Solar System:

"This week, ZTF assisted in the confirmation of 2020 VT4, an asteroid ~5 m in size that passed only ~400 m above the Earth. ZTF observed 2020 VT4 at ~0740 UTC, only ~10 hours after its closest approach with the Earth. Attached is a diagram showing the asteroid's encounter geometry ~20 minutes after its closest approach with the Earth.



We have also identified a possible fragmentation of comet P/2013 TL117 (Lemmon) in ZTF data. A detached component became clear in survey images last week, but the fragmentation is at least a month old. Announced in ATel #[14182](#) and an annotated image is shown below:



AGNs and TDEs:

"There have been big personnel movements in the TDE/AGN group. Our fearless leader Suvi Gezari is now ensconced as "Multi-messenger Czarina" at STScI and Sjoert van Velzen left to Leiden University. However, there is no need to panic. Kulkarni, in his capacity as the pro tem chair of the TDE/AGN working group, has invited Suvi and Sjoert to continue their sterling work in the capacity of collaborators.

At Maryland, Sara Frederick is finishing her thesis on Change Look AGN (CLAGN) and expects to formally graduate by coming summer. She is using this year to analyze XMM and NuSTAR data of a number of Changing-Look LINERs found during her thesis. Erica Hammerstein (starting her third year) and Charlotte Ward (who is starting her fourth year) are continuing their thesis in AGN/TDE. There is now an infusion of new people from Caltech: Yuhan Yao, Vikram Ravi, Andrew Drake and first year graduate student Jean Somalwar (with Lin Yan and Matthew Graham being long standing members of this SWG).

Following the receipt of report from referee, Erica is revising her ZTF paper "[TDE Hosts and Green and Centrally Concentrated: Signatures of a Post-Merger System](#)". Matthew Graham is working on the sample paper for EMGW counterparts in AGN from O3 and is looking for new CLAGN in ZTF data (at the more luminous end of the luminosity function that Sara). Sara submitted her paper on a "[Family Tree of Optical Transients in Narrow-Line Seyfert 1 Galaxies](#)" to ApJ."

Multimessenger:

"We received two high-energy neutrino alerts on the weekend (IC201114A and IC201115A). Unfortunately, we could not perform follow-up, as IC201114A was nearby the galactic plane and IC201115 was too close to the sun to be observable."

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

"No, no, you're not thinking; you're just being logical."

- Niels Bohr

Have a good and productive week!

Erik and Igor