



# ExoClock Newsletter

Dear ExoClock participants,

Hope you are all doing well!

This newsletter is very short as it is the last one for the academic year. The ExoClock team will be on holidays for the rest of this month and therefore the review of your observations may take a bit longer than usual. We will meet you again in September and we hope to see as many of you as possible during the 2<sup>nd</sup> annual meeting (September 30<sup>th</sup> and October 1<sup>st</sup>).

*We would like to welcome the new members!*

*We send out a newsletter like this at the beginning of every month, while you can read the past newsletters, watch the past meetings, and have access to other educational material at:*

[www.exoclock.space/users/material](http://www.exoclock.space/users/material)

*We also organise meetings dedicated to new ExoClock members. These meetings are held just after our regular monthly meeting. The beginner's meeting will no longer be fixed on the Friday after our regular meeting, because we would like to facilitate participants with different schedules. In these meetings, newcomers have the opportunity to ask questions of any level related to the operation of the website, observations of transits, data analysis etc. Note that these meetings are not recorded.*

*Finally, we have a Slack channel for more direct communication and if you want to join, please send a request at [exoclockproject@gmail.com](mailto:exoclockproject@gmail.com).*

**In this newsletter, we discuss:**

## **1. Announcements**

**1.1. Second ExoClock Annual Meeting -registration page**

**1.2. Presentation of the 3<sup>rd</sup> ExoClock paper**

**1.3. Observing time awarded to ExoClock by LCO**

**1.4. Recognition certificate to ExoClock participants**

## **2. Highlighted observations**

## **3. ALERTS**

## 1. Announcements

### 1.1 Second ExoClock Annual Meeting

This year we will hold the annual meeting in a hybrid form (virtual and face-to-face). The location will be UCL (University College London) and the dates are September the 30<sup>th</sup> and October the 1<sup>st</sup>.

You are all invited to attend the meeting either virtually or in-person. **Please register using the following link:**

<https://www.eventbrite.com/e/2nd-annual-exoclock-meeting-tickets-391137150747>

If you are interested in giving a presentation on your work, you are welcome to submit your abstract through the same page.

The meeting is open to everyone and a great chance for non-members to learn everything about ExoClock and Ariel. This year, we will also include a session aimed to teachers and educators. So please share the registration page with anyone you think might be interested.

### 1.2 Presentation of the 3<sup>rd</sup> ExoClock paper

The 3<sup>rd</sup> ExoClock paper has been submitted and it is now under review. During the last monthly meeting we gave a presentation of the main results of the paper. If you are interested, you can watch the recording that has been uploaded in the website.

### 1.3 Observing time awarded by LCO

We are happy to announce that ExoClock was awarded observing time by LCO-Las Cumbres Observatory (35 hours)! This time will be used by a sub-group consisting of participants lacking equipment. More details will be announced during the Annual Meeting.

### 1.4 Recognition certificate to ExoClock participants

As you already know, in ExoClock every observation counts! Beyond that, we decided that we would like to recognise the contribution of observers that have provided a large number of observations, through a recognition certificate.

Special thanks to our:

- Platinum observers (1000+ observations): **Yves Jongen**
- Gold observers (500+ observations): **Anaël Wünsche**
- Silver observers (100+ observations): **Manfred Raetz, Paolo Arcangelo Matassa, Carmelo Falco, and Adrian Jones**
- Bronze observers (50+ observations): **Martin Valentine Crow, Andre Oliveira Kovacs, Claudio Lopresti, Alessandro Marchini, Taewoo Kim, Jean-Pascal Vignes, Adam Popowicz, François Regembal, and Mauro Caló**

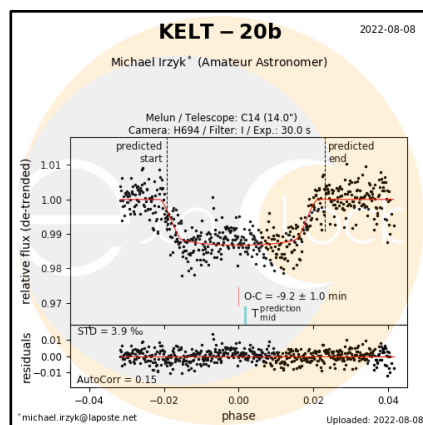
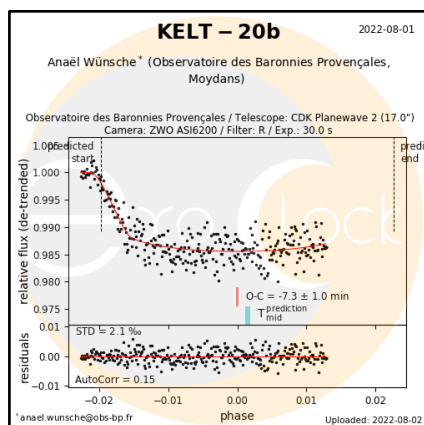
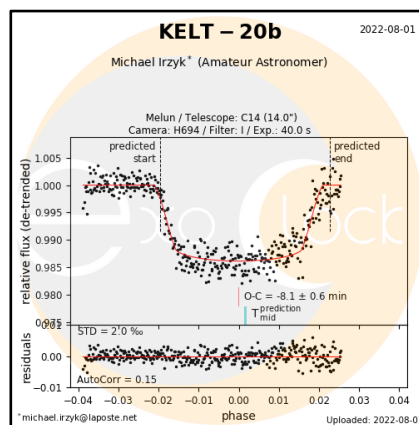
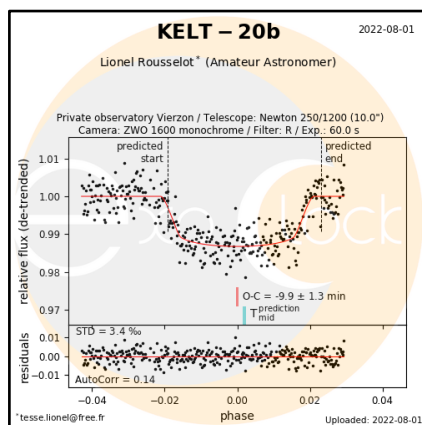
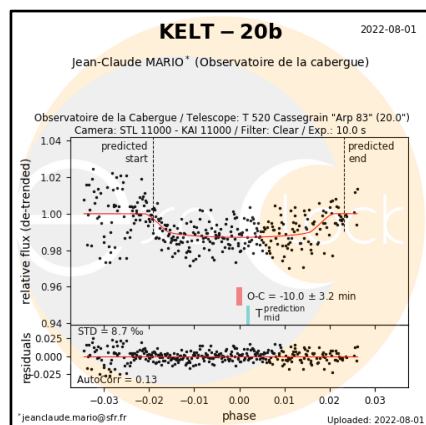
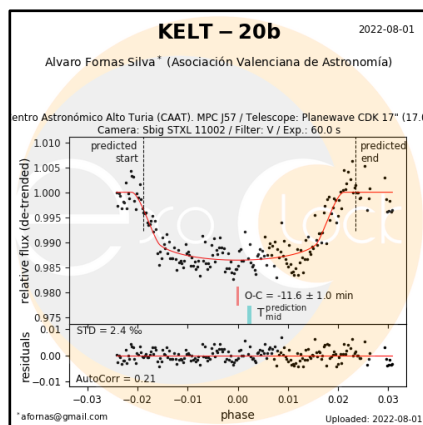
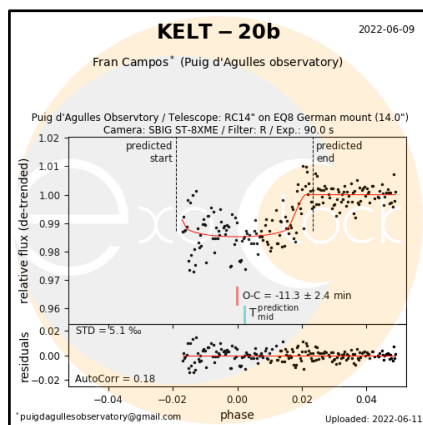
who will receive their certificate during the Annual Meeting! In the future, observers that join those mentioned above will also receive a recognition certificate.

## 2. Highlighted observations

We would like to thank you all for the observations you contributed in June!

We have selected **KELT-20b**, an ALERT target for which a shift of  $\sim 10$  minutes was initially identified by Fran Campos on June 2022. This drift was confirmed recently by six more observations by Alvaro Fornas Silva, Jean-Claude Mario, Lionel Rousselot, Michael Irzyk and Anael Wunche.

**Congratulations for your efforts!**



### 3. ALERTS

Thank you all for observing the alert targets! Please check your personalised alert schedule at:

[www.exoclock.space/schedule/alerts](http://www.exoclock.space/schedule/alerts)

for the **ALERT** planets and if you get a clear sky and a long-enough night, you can try observing them! The following targets remain in the current **alert system**:

- WASP-147b
- WASP-192b
- WASP-141b
- WASP-71b
- WASP-33b

Please remember that many targets were not in the alert list, before an unexpected shift was identified by you, the ExoClock participants. This highlights the importance of observing targets that are also of low and medium priorities.

Clear Skies,  
the ExoClock team