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The ExoClock Project

Exoplanet science for everyone

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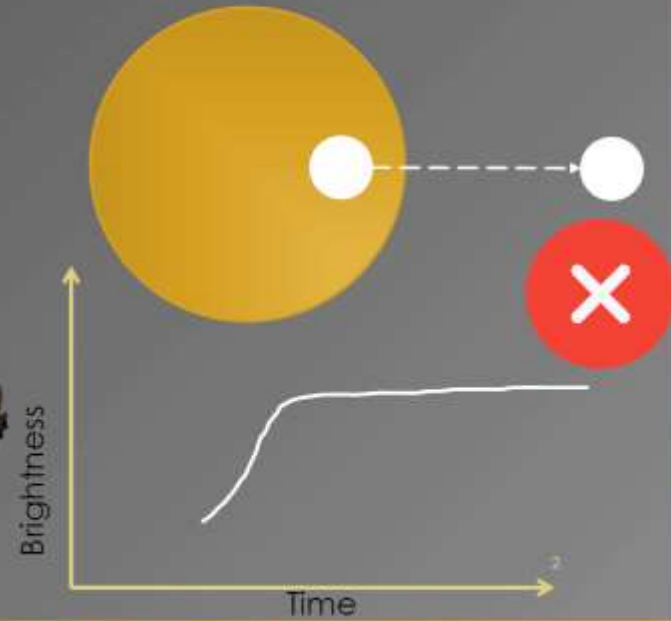
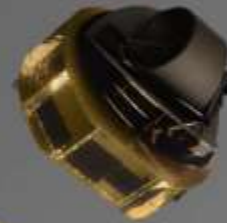
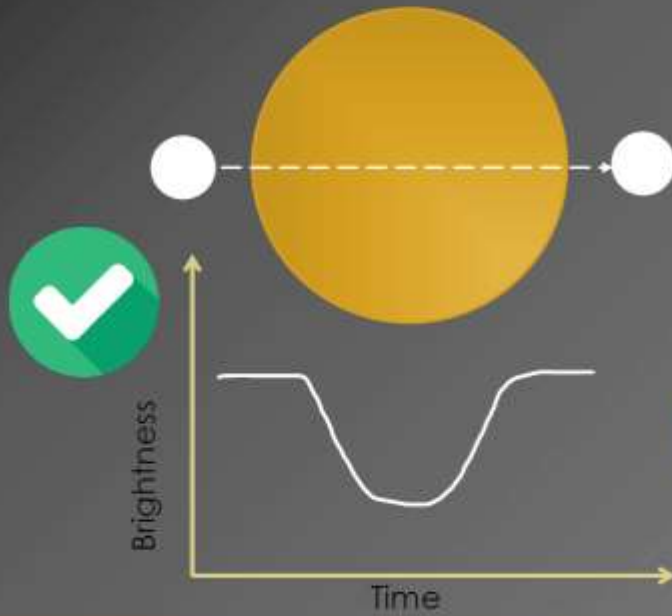
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Observations are time-critical

Planet A

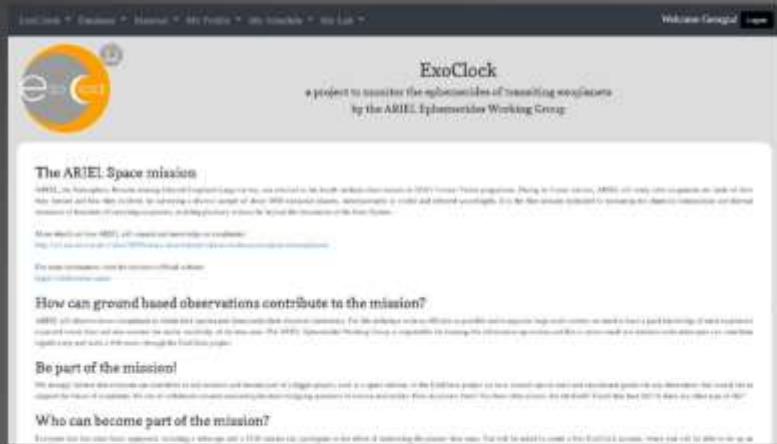
Planet B





ExoClock Project

Aimed to monitor the Ariel target ephemerides by using space & ground-based telescopes





The three "i"'s of ExoClock

➤ Inclusive

- professionals
- amateurs
- students

➤ Integrated

- space
- literature
- ground data

➤ Interactive

- personalized page
- user-friendly tools
- feedback



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An **inclusive** project



Validity and consistency in all stages is essential!

- We share common protocols
 - ❖ Observation Guidelines
 - ❖ User friendly Tools
 - ❖ Software for data analysis

www.exoworldspies.com

- The educational website is available in six languages!
- The material is open to everyone





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An **inclusive** platform

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Science is an effort that everyone can contribute!
Open Science projects bring together people from different backgrounds



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An **integrated** platform

1. Space data

for targets that are not accessible from the ground



2. Literature data

Integrating all current and future papers



Items designed with flaticon.com

3. Ground networks

- ExoClock network
- Partners



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Partners



Las Cumbres Observatory



TELESCOPE LIVE



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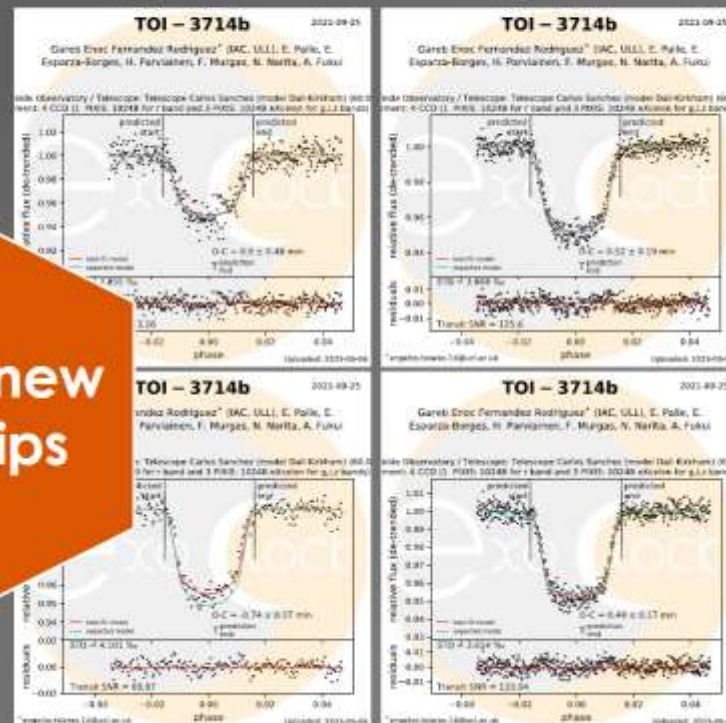


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Partnerships with large telescopes

- University of Tokyo/IAC/Muscat
- Open University
- ATh
- OPC
- ASTEP
- OBP
- GAL Hasin
- Tartu Observatory

Join us!
OPEN for new partnerships



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Observers from all over the world!



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An integrated platform

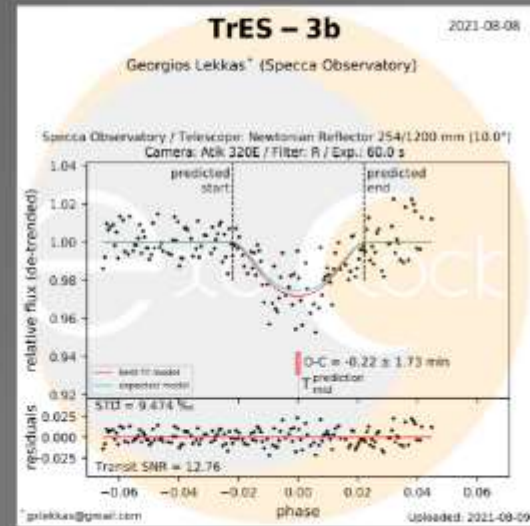
Literature Mid-times

Planet Observation Date	Reference	O-C minutes	View
TrES-3b 2007-09-21	Talo et al. 2007	-2.55 ± 0.35	View
TrES-3b 2010-06-03	Talo et al. 2010	-0.59 ± 0.58	View
TrES-3b 2010-04-14	Maciejko et al. 2010	-0.09 ± 0.76	View
TrES-3b 2010-04-10	Maciejko et al. 2010	-2.95 ± 0.82	View
TrES-3b 2010-05-29	Maciejko et al. 2010	-0.41 ± 1.09	View
TrES-3b 2010-03-24	Maciejko et al. 2010	-3.05 ± 2.16	View

Space Observations

Planet Observation Date	Mission	O-C minutes	View & Download
TrES-3b (LOW) 2021-07-22	TES	-2.12 ± 0.35	View & Download
TrES-3b (LOW) 2021-07-21	TES	-0.36 ± 0.38	View & Download
TrES-3b (LOW) 2021-07-20	TES	-0.40 ± 0.60	View & Download
TrES-3b (LOW) 2021-07-19	TES	-0.44 ± 0.60	View & Download
TrES-3b (LOW) 2021-07-17	TES	-1.20 ± 0.76	View & Download

Observations from ExoClock participants



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