Exoplanet transit observation using photometry light curves

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Exoplanets are amongst the most important research topics of contemporary astronomy. The discovery of exoplanets can be based on various techniques, mostly requiring timedomain observation. The transit light curve is one of the simplest, yet powerful, way to detect exoplanets. During this summer program, we will participate in the ExoClock project by the ARIEL Ephemerides Working Group (https://www.exoclock.space/) using the Flat Roof Observatory of the Department of Earth Sciences, NTNU. Students will learn basic observation knowledge and data processing of the exoplanet transit light curve. There are possibilities of carrying on the research project after the end of the summer program.

*Some basic knowledge in astronomical observation and python programming is preferable.

*This project requires full commitment during the summer (July and August), including conducting observations during some of the nights. Interested students and start as early as possible.