



## Interactive for transit method

### Summary

**Short Description:** This document explains how to use this tool to simulate light curves

**Language:** English

**Suitable for age:** 7-18 years

**Key words:** Light curves; transit; exoplanet

**Format:** .doc

**Link:** <https://spark.iop.org/interactive-transit-method>

### Instructions

1. The images below highlight each page of the **Interactive for transit method**.



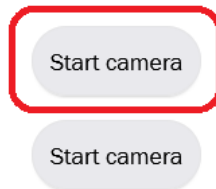
# Interactive for transit method

Practical Activity for 11-14 IOPRESOURCES



The light grapher interactive below is for use with the transit method activity to model how astronomers detect exoplanets.

## Light grapher



just click the button

After that you just have to set the target size and time duration as you may see below.

Practical Activity for 11-14 IOPRESOURCES

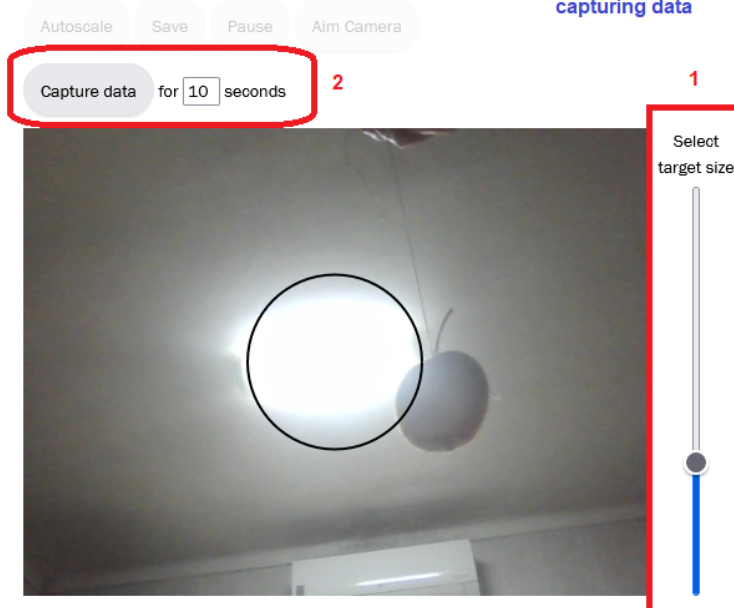


The light grapher interactive below is for use with the transit method activity to model how astronomers detect exoplanets.

## Light grapher

Step 1- adjust the target size

Step 2- set the duration and start capturing data



# Light grapher

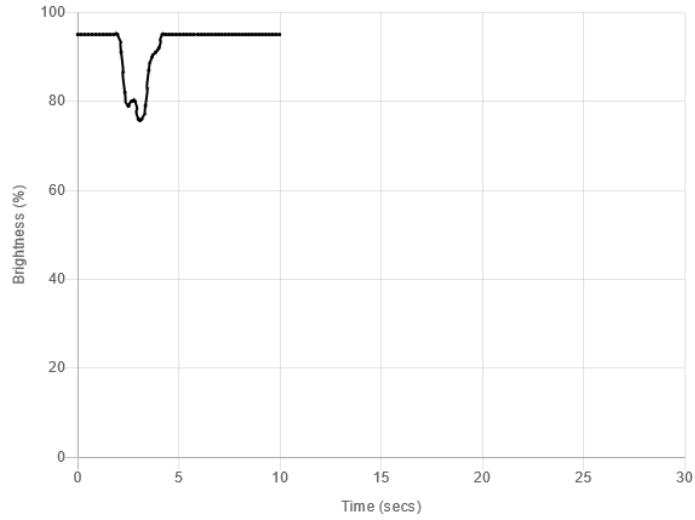
step 1 - Press autoscale

1

Autoscale Save Pause Aim Camera

You may choose other options, if needed.

Capture data for 10 seconds

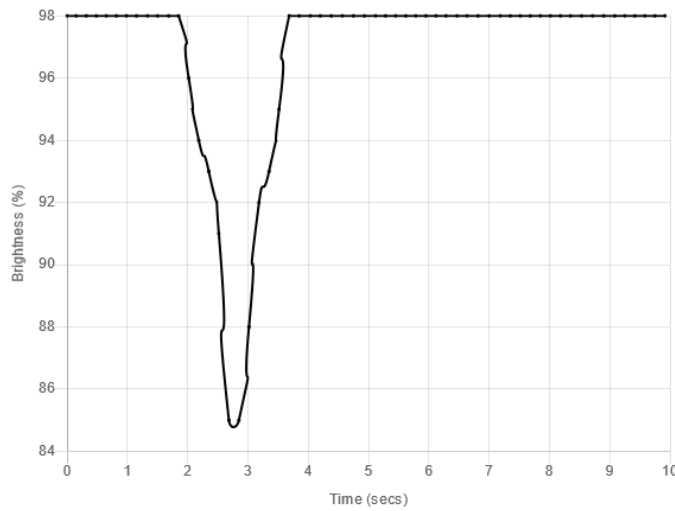


# Light grapher

After Autoscale adjustment

Autoscale Save Pause Aim Camera

Capture data for 10 seconds



Now you can "Save" (image png) or recenter the target with "Aim Camera" or try another capture changing the sampling time.

