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TESS

lundi 16 septembre 2024 16:00 (15 minutes)

TESS Transient Light Curve Patrol

The Transiting Exoplanet Survey Satellite (TESS) is a space telescope mission developed by NASA with the goal of detecting exoplanets. Over the duration of its mission, TESS has trained its wide-field imaging array on dozens of sky sectors, and identified thousands of candidate targets. Our team has developed a subtraction pipeline for these full frame images as well as a tool for the public to generate forced photometry light curves from these image stacks. With these light curves, we can provide high-cadence (2-minute) optical counterpart observations for any high-energy event that occurs within TESS viewing sectors. My talk will include a detailed overview of NASA's TESS mission, its science results, as well as our light curve sharing tool.

Orateur: HART, Kyle

Classification de Session: Wavelengths and messengers