Abstract

The purpose of the Euclid Solar System Objects (SSOs) project is to develop a pipeline in order to detect asteroids in Euclid's images. Working with simulations, we organised the pipeline in stages, each one having a unique role: cleaning the data, find astrometric solutions, extract sources and detect SSOs.

Different pipelines were developed as we tested different software to find astrometric solutions in the data: Scamp, Astrometry.net and WCSFit. Each pipeline is different and adapted to the software used, however WCSFit is more stable and gives better results than the two other software.

As the SSO pipeline is a rather standard processing, it is possible to implement it in PIPEMAN and test the porting and integration of the pipeline. During this presentation, we will describe how we could implement the pipeline inside PIPEMAN, how does it run and what modifications we can do from the demo environment.