

Full Photometry Procedure

Abi Chown

Abstract

The procedure outlined in this document takes you through the full photometry pipeline, starting from CCD data, all the way through to plotting a light curve for a variable star. The parameters used here are not universal so should not be applied to every situation. They work on Spitzer Data from channels 1 and 2, that is wavelengths of $3.6\mu m$ and $4.5\mu m$. The IRAC (Infrared Array Camera) on board Spitzer has a pixel size of $1.2''$. The “raw” images that are the starting point of the pipeline are Level 2 BCD data so have already been flat-fielded etc.