acronym: An Automatic Reduction Pipeline for Astronomical Images

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Summary

Acronym is a Python implementation of an automatic reduction pipeline for the Astrophysical Research Consortium Telescope Imaging Camera (ARCTIC). ARCTIC is an optical-wavelength CCD camera mounted on a 3.5 meter telescope at Apache Point Observatory (APO) in Sunspot, New Mexico. We developed in-house procedures to reduce ARCTIC images rather than using other similar packages (e.g. Craig et al. (2016)) to handle ARCTIC's various CCD readout modes.

Given raw ARCTIC images, acronym outputs dark, bias, and flat-corrected images.

This M106 image is the product of three stacked acronym-reduced images.

References

Craig, Matt, Steve Crawford, Thomas Robitaille, Brigitta Sipocz, Joe Philip Ninan, Michael Droettboom, Erik Tollerud, et al. 2016. "Ccdproc: V1.0." doi:10.5281/zenodo.47652.

Figure 1: M106 in all its glory.