PHOTOMETRYPIPELINE An Automated Pipeline for - Calibrated Photometry Michael Mommert S NAU A MAN S Product.

Image Registration



- astrometry based on 2MASS, URAT-1, USNO-B1, (GAIA)
- astrometric uncertainty: ~0.3"

Aperture Photometry



- curve-of-growth analysis
- so far only circurlar apertures

Photometric Calibration



- absolute calibration in BVRI, ugriz, YZJHK
- depends on catalog coverage: SDSS, APASS, 2MASS
- photometric accuracy ≤0.05 mag using default pipeline settings

Output

calibrated photometry for each target in the field





a detailed diagnostic output

Interested in using PP?

- freely available: github.com/mommermi/photometrypipeline
- PP is fully automated and extremely flexible
- will provide real-time data analysis for FRoST
- applicable to any small/medium telescope \rightarrow all Lowell telescopes already supported
- able to identify fixed and moving targets
- serendipitous observations? talk to me!