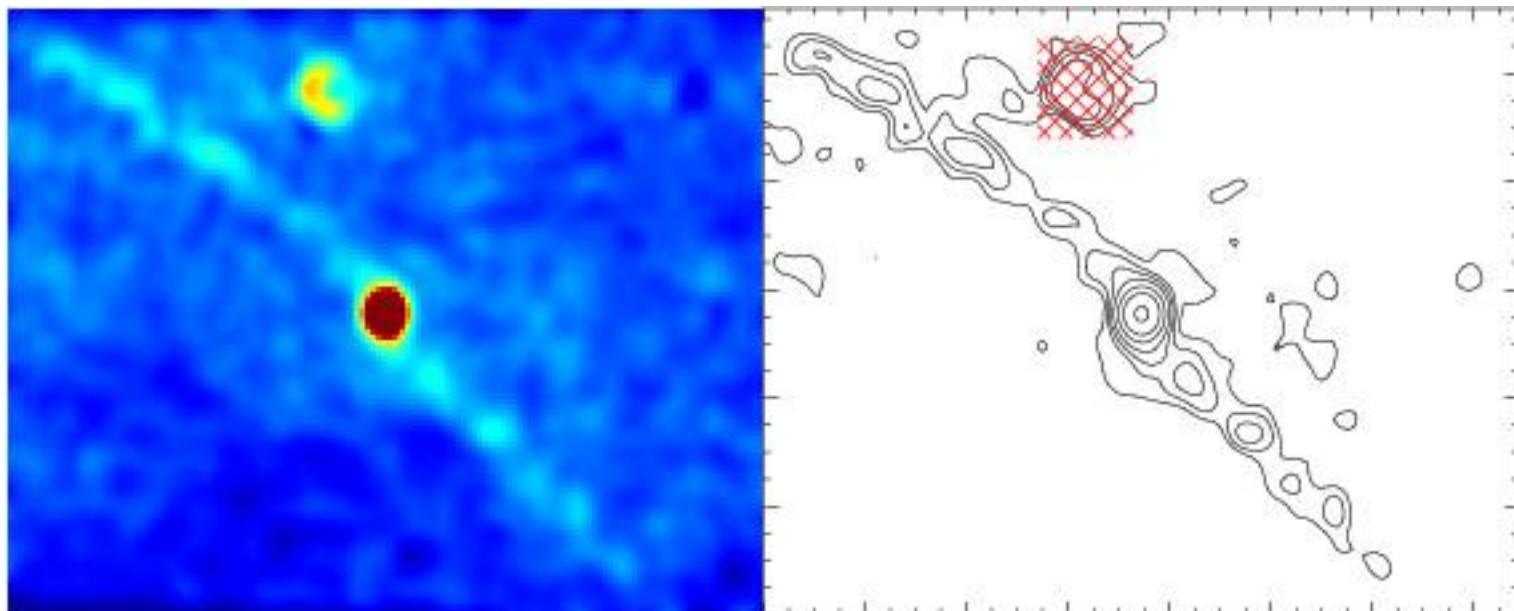


Galactic globular clusters in PanSTARRS 3 π

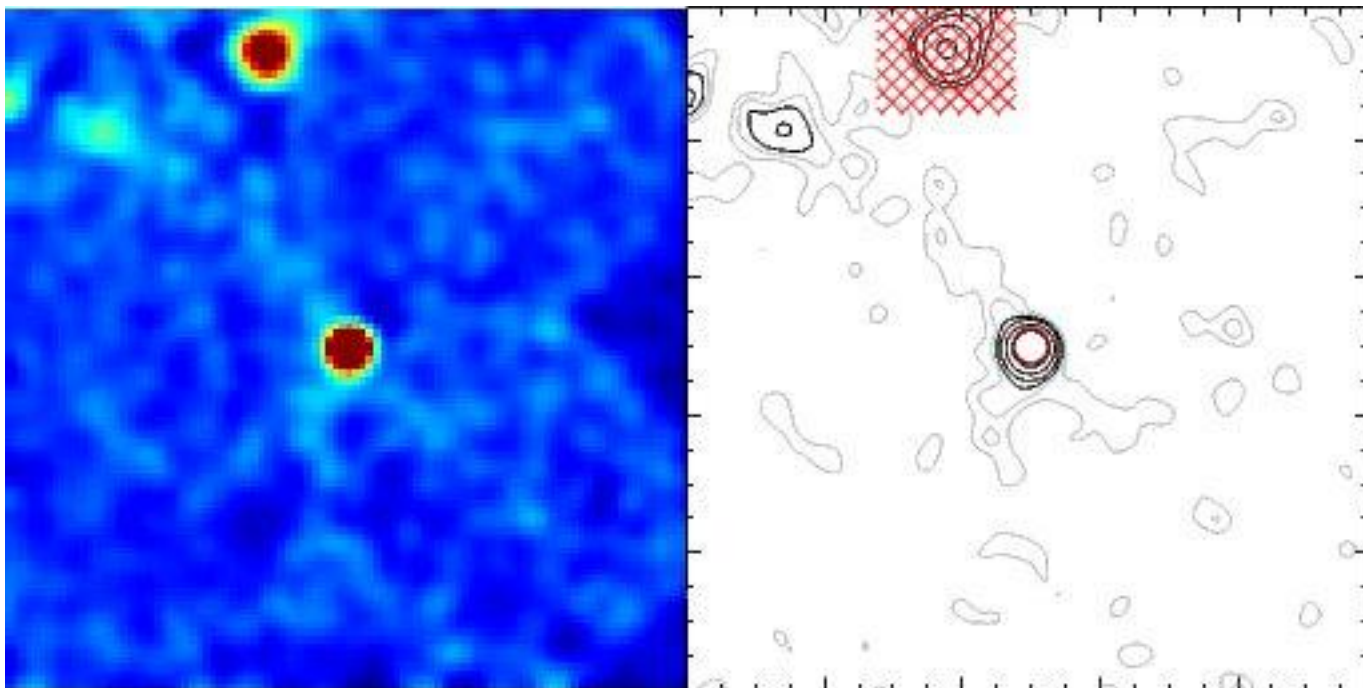
Edouard Bernard & Annette Ferguson

University of Edinburgh

Palomar 5 from SDSS data ($8^\circ \times 6^\circ$)



Palomar 5 from Pan-STARRS1 data ($5^\circ \times 5^\circ$)

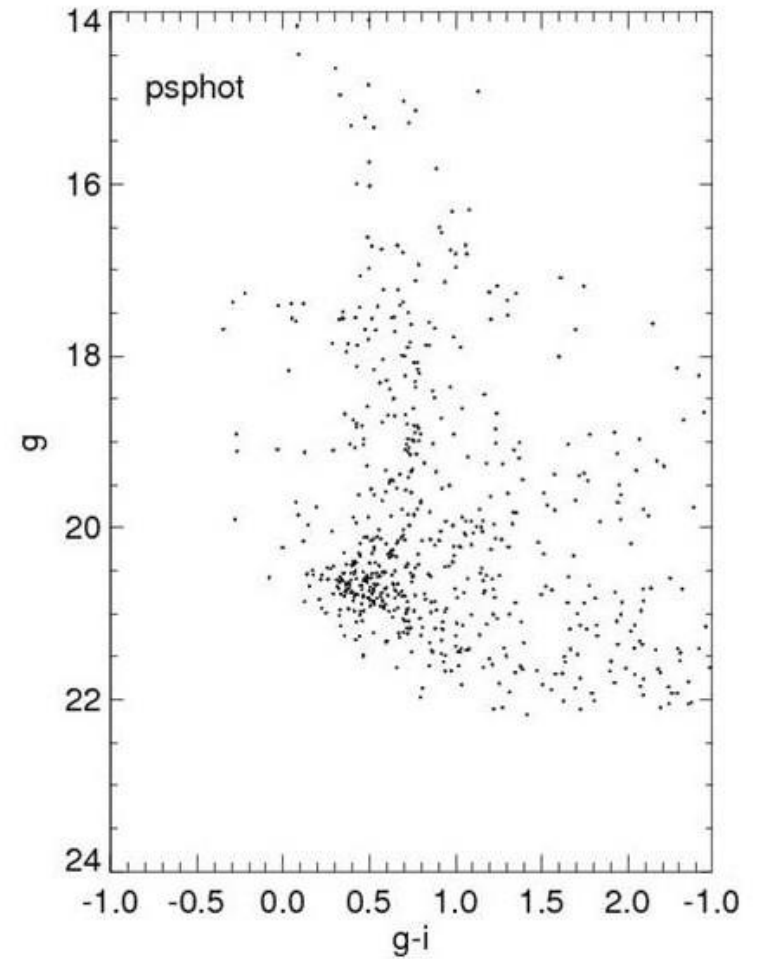


Searching for tidal features

- ~100 globular clusters in PS1 footprint (20 in SDSS DR8)
- currently working with ~35 with $E(B-V) < 0.3$
- Übercal'ed catalog provided by Harvard through LSD

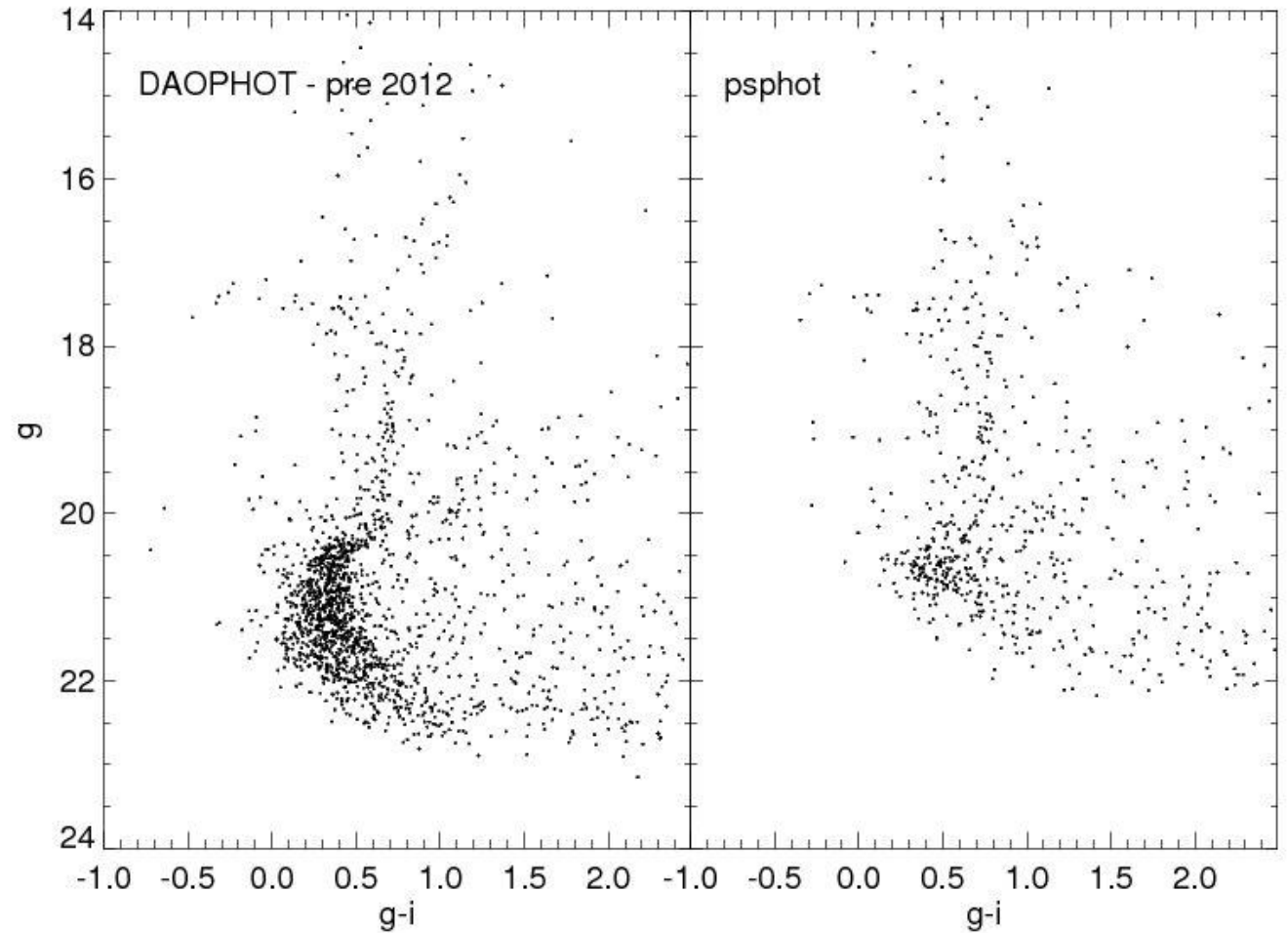
DAOPHOT photometry

Palomar 5



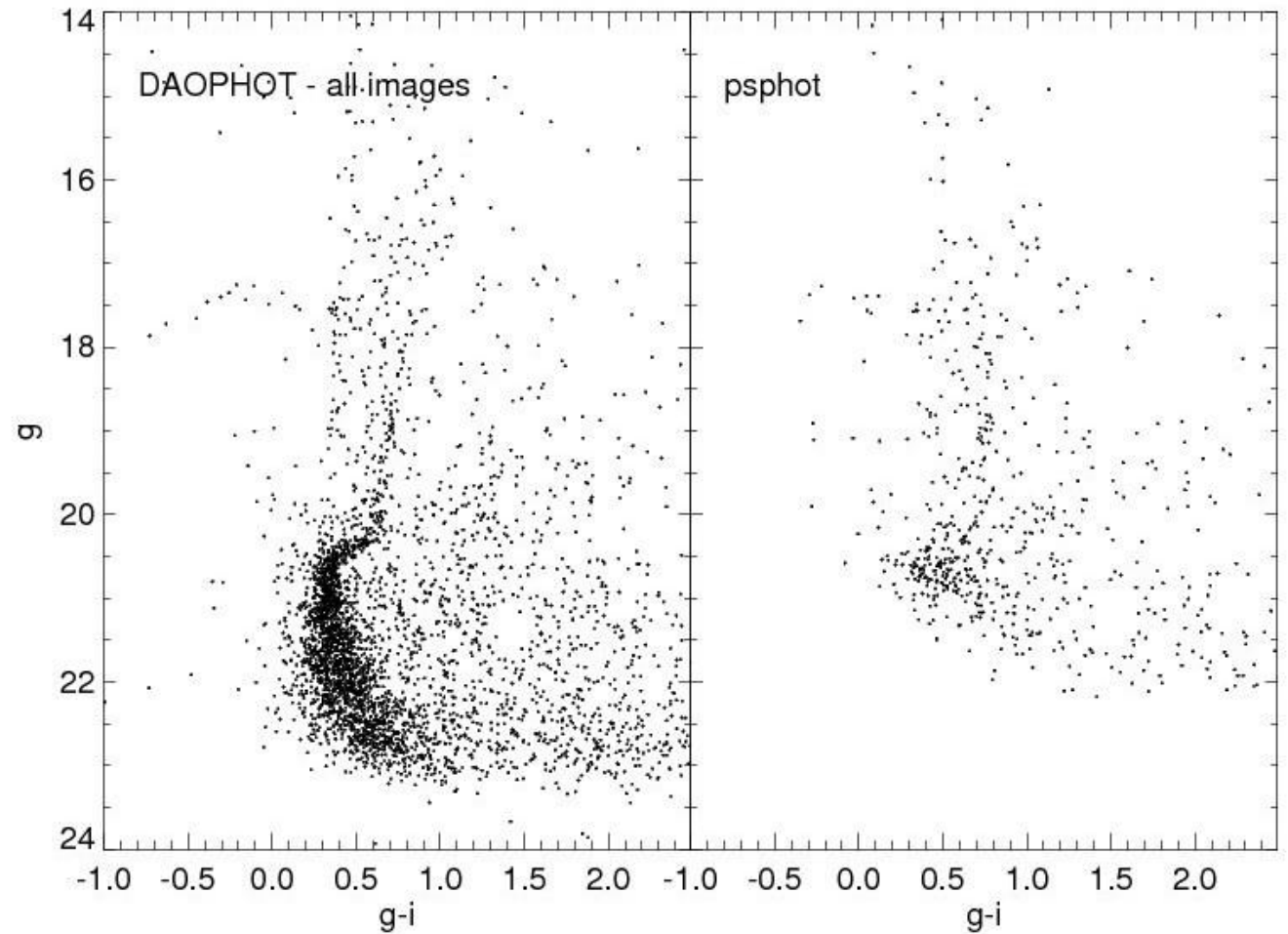
DAOPHOT photometry

Palomar 5



DAOPHOT photometry

Palomar 5

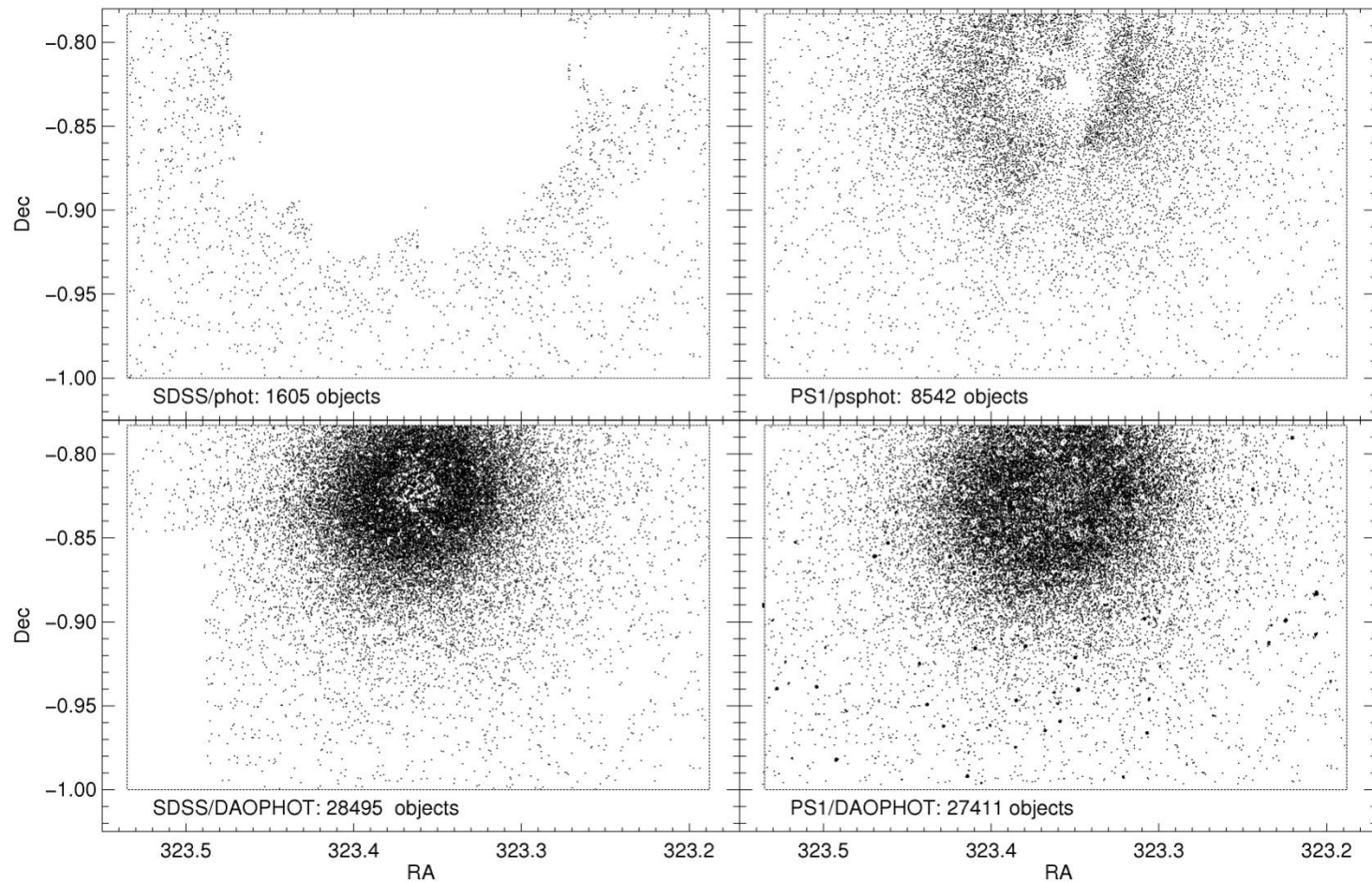


DAOPHOT photometry

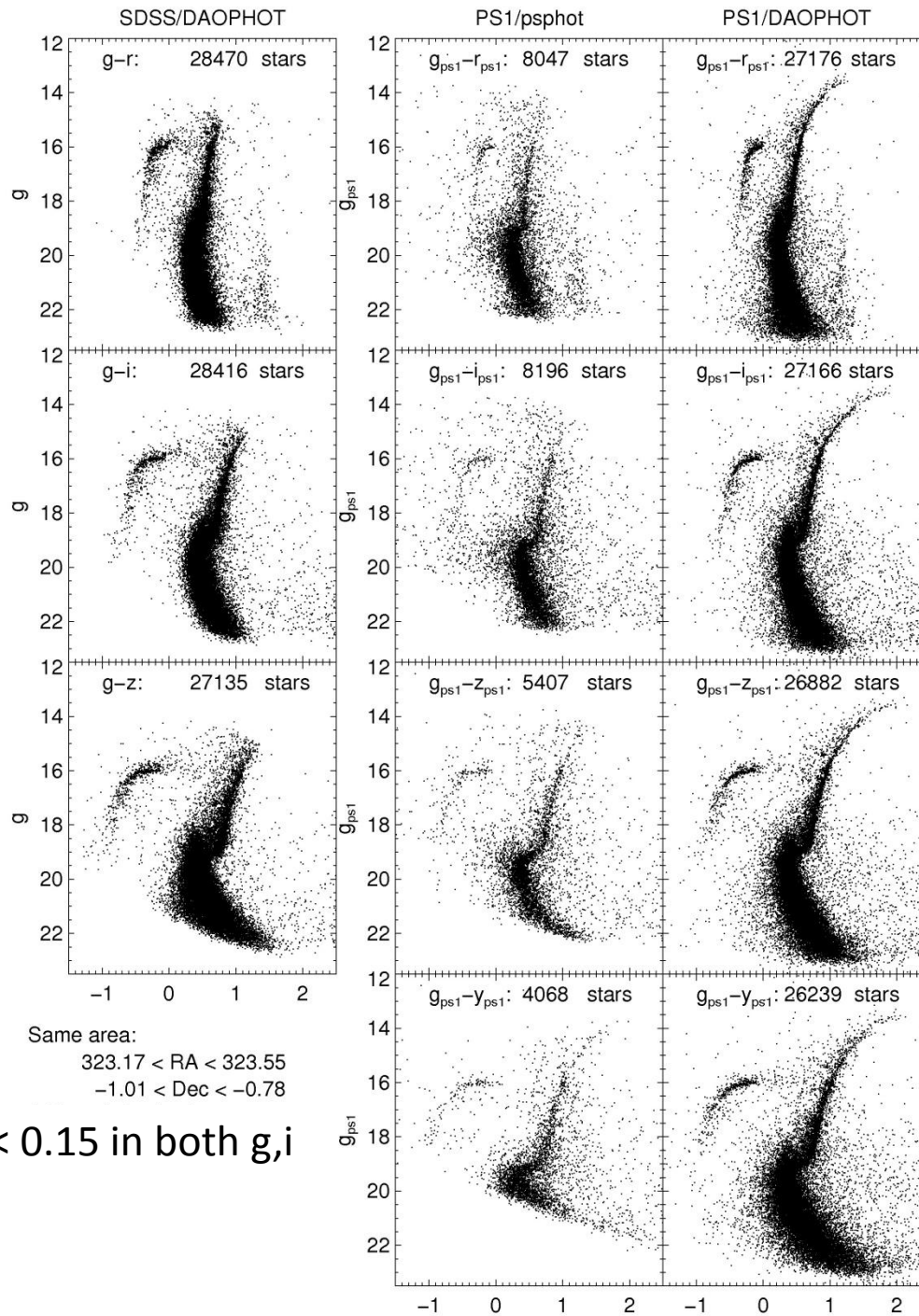
- Retrieve 20'x20' images using postage-stamp server
- Run DAOPHOT/ALLSTAR on all individual images
- Stack all images from all filters together
- 3- σ detection on stack to produce master star list
- Run ALLFRAME on individual images using master list as reference (i.e., forced photometry)

DAOPHOT photometry

NGC7089

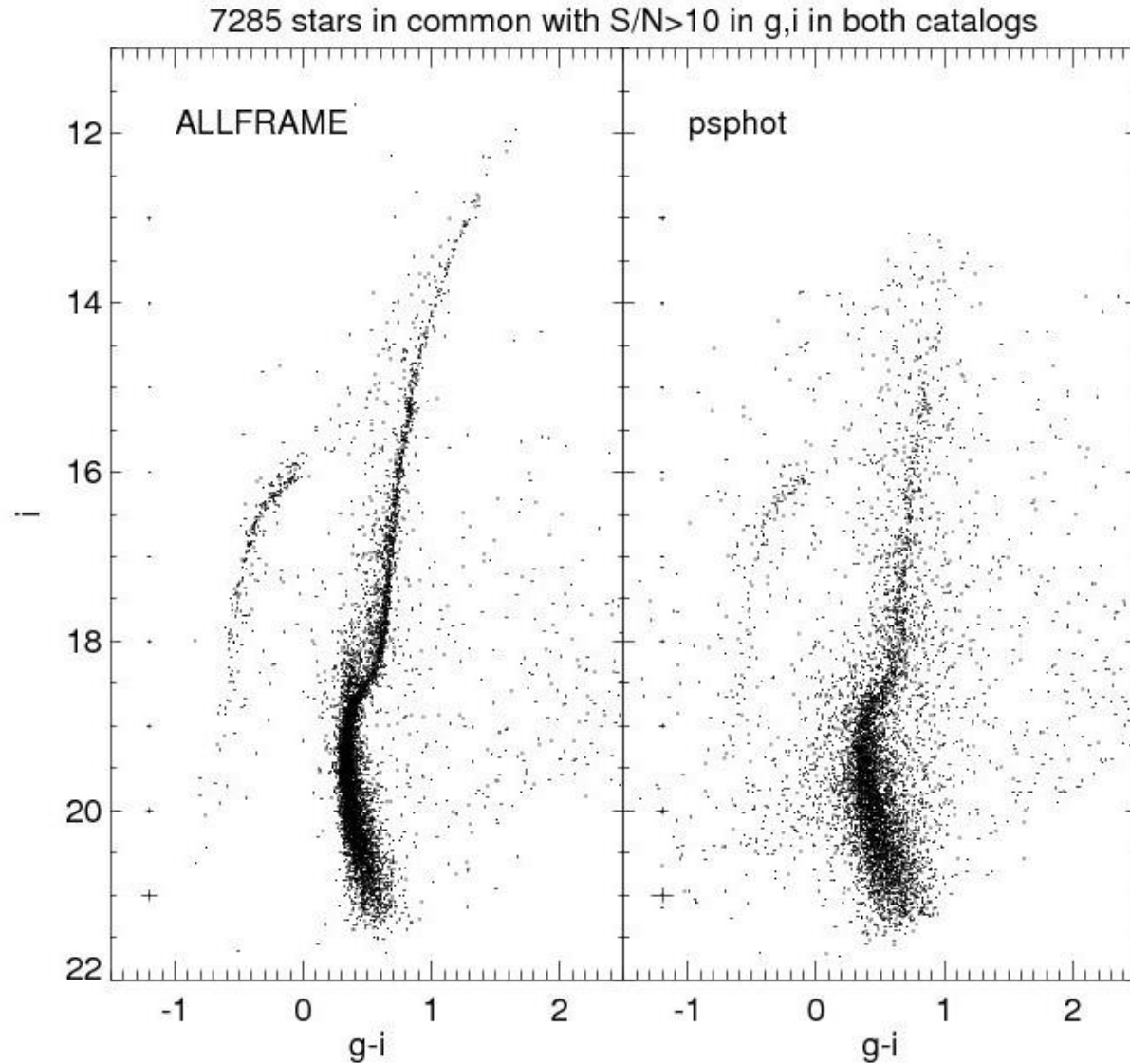


NGC7089



DAOPHOT photometry

NGC7089

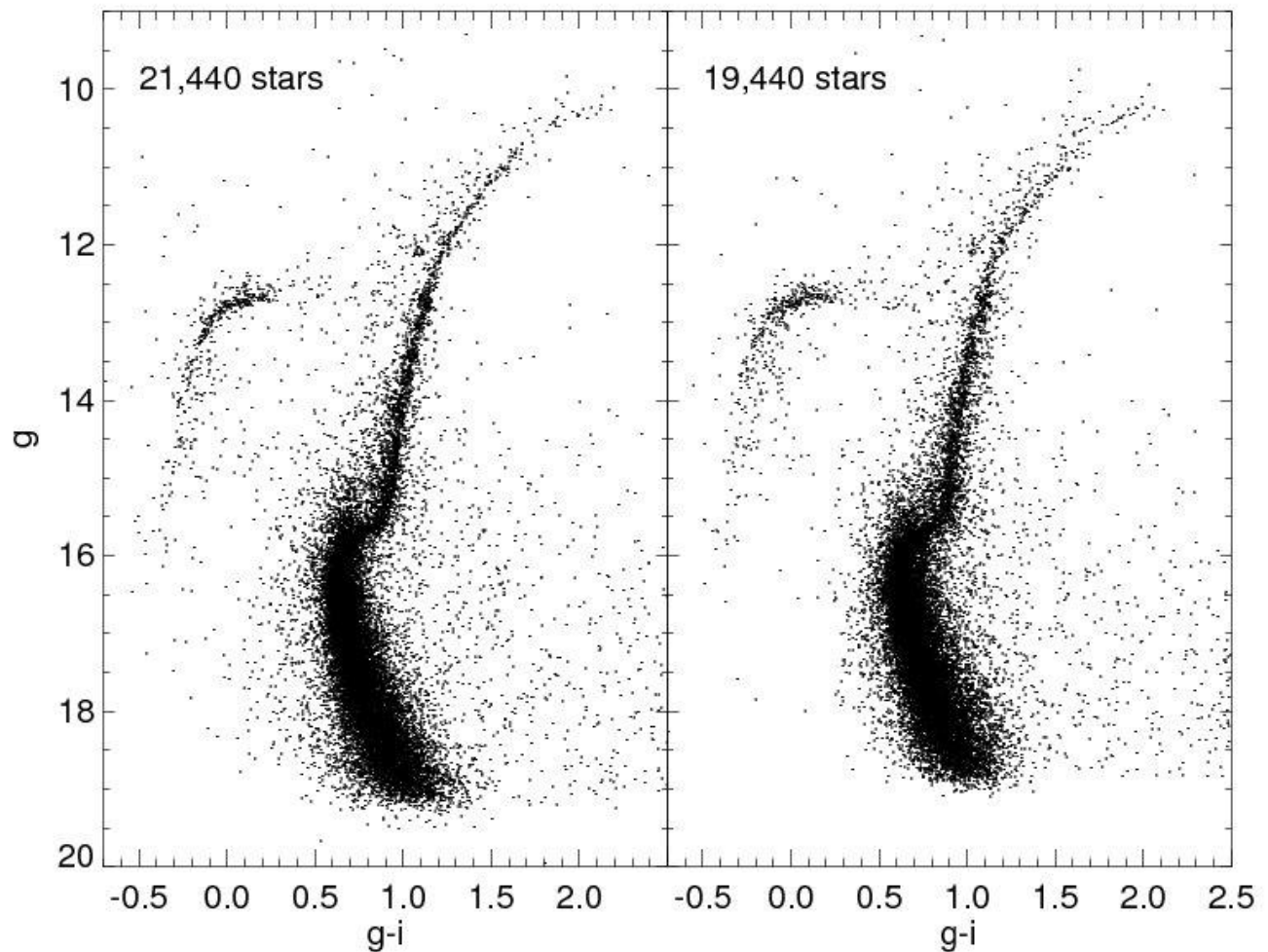


Averaging magnitudes vs. stacking

NGC7089

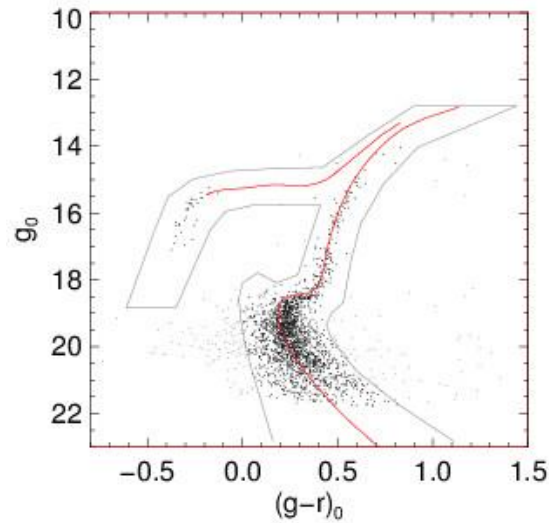
g: individual exposures
i: individual exposures

g: stack
i: individual exposures

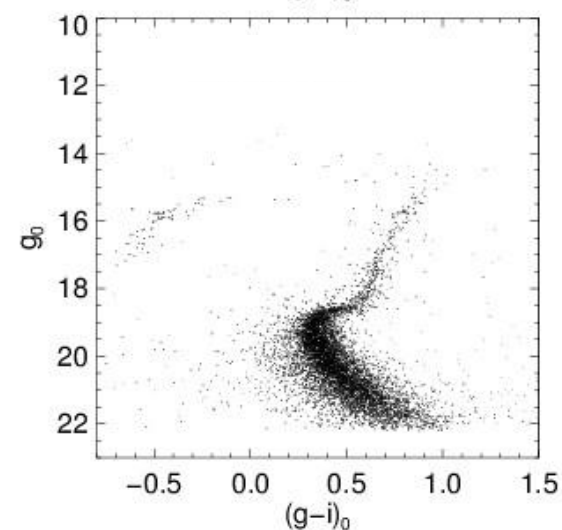
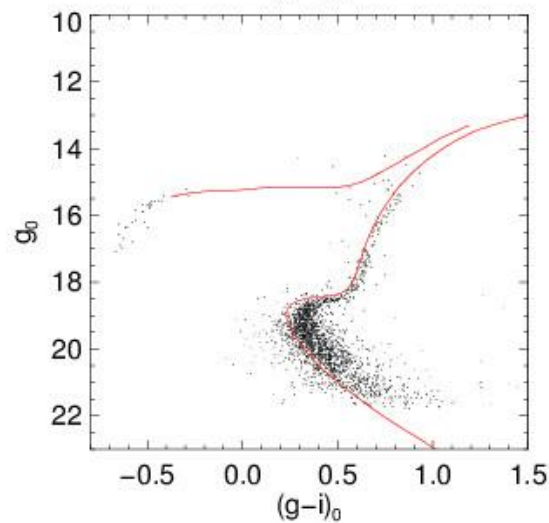
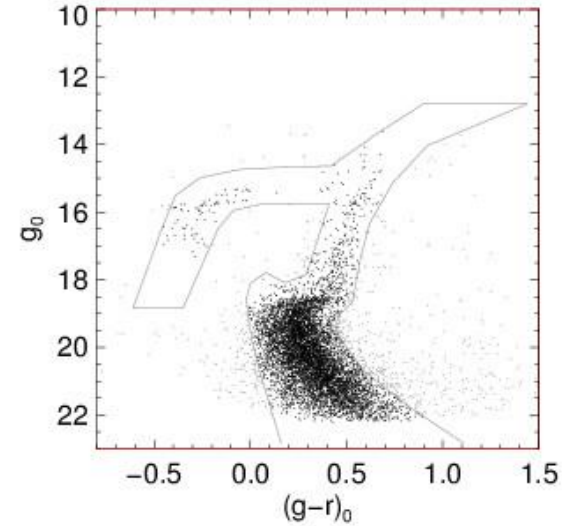


Freshly reprocessed data: NGC288

Mean mag from individual exposures



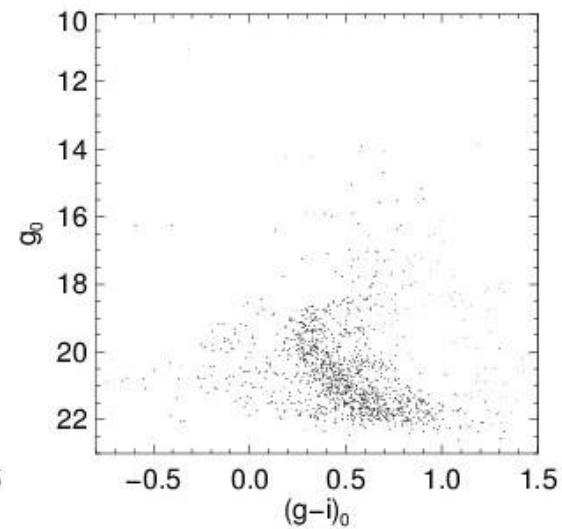
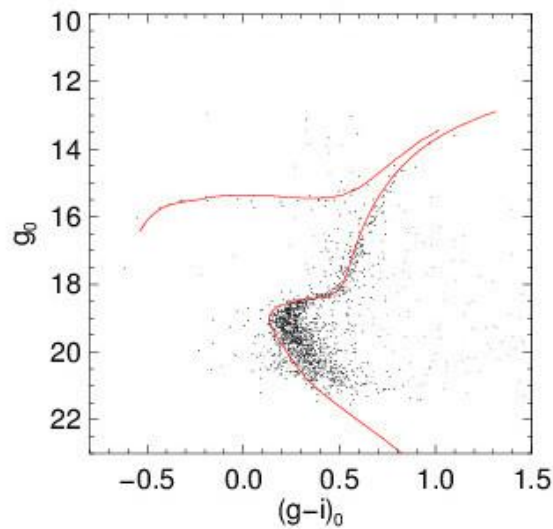
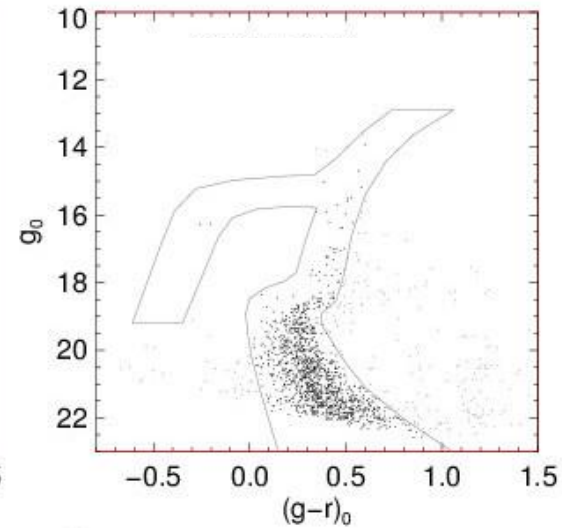
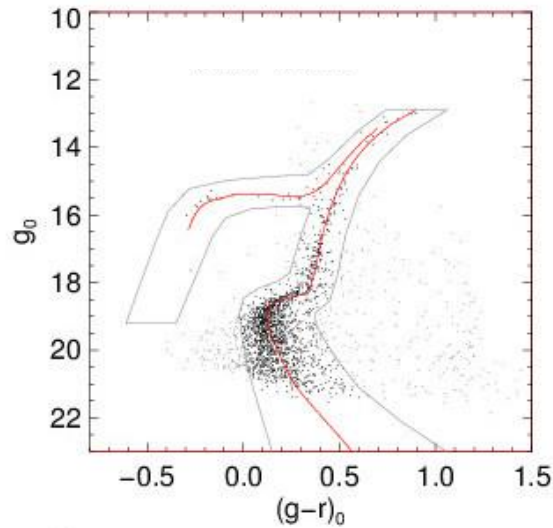
Photometry from stacked images



Freshly reprocessed data: NGC4590

Mean mag from individual exposures

Photometry from stacked images



Freshly reprocessed data: NGC4590

