



DARK ENERGY
SURVEY

PreCam Astrometry/Photometry Update

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DES-Calib/PreCam Telecon

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Astrometry

- Ran astrometric pre-burner on all target images from 2011-01-13UT and on i,z,y target images from 2011-01-12UT
 - Rotations good to $\pm 0.5^\circ$
 - RA, DEC offsets good to ~ 10 -20 arcsec
 - `/data/des06.a/data/PreCam/Reduced/` (Sahar's processing)
- Ran wrapper for IRAF/pyraf ccmmap astrometric code on all target images from 2011-01-13UT and on i,z target images 2011-01-12UT
 - Positions good to 1 arcsec rms across full PreCam focal plane
 - No evidence yet for noticeable geometric distortions in PreCam astrometric distortion (but mapping usually done with < 50 stars)



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Photometry

- Did a quick match-up last night of a set of observations of standard star field precam258_21 from 2011-01-13UT
 - Observations in g,r,z,y filters
 - In Stripe 82
 - Matched with DESDM standard star list
 - For this field, we also have UKIDSS Y-band photometry in the DESDM standard star list (from UKIDSS DR1)
 - Strange/noisy results – may be a problem with my matching code.
 - /data/des06.a/data/PreCam/Analysis/dtucker/R20110113UT