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mag limits in moon tests  
May 9, 2013 12:31 PM

From: Frank Masci <fmasci@ipac.caltech.edu>  
Subject: Re: mag limits in moon tests  
Date: May 9, 2013 11:47:10 AM PDT  
To: roc@ipac.caltech.edu, davy@ipac.caltech.edu, carl@ipac.caltech.edu

I used the  $w2sigP1$  values to compute effective single frame mag limits for all nine tiles and moon-filtering cases. This was done consistently across all tiles by mapping a narrow 5-sigma bin in  $w2sigP1$  space to the mag axis and computing the median  $\pm$  rms/sqrt(n) in the corresponding mag bin.

The trends in the attached plot are no surprise. More moon-contamination reduces the overall \*single-frame\* sensitivity. f.y.i. - the Taurus tile is 0659p272.

Do you think it's worth distributing this to others on the science team?

Regards, Frank

P.S. Apologies to Carl on my color choice.

**mag limits from frame-stack RMSs in repeated photometry**

