
Subject: Re: Works on Linux, not on MacOS
Posted by [Gray](#) on Sat, 06 Mar 2010 16:12:45 GMT
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On Mar 5, 10:41 am, wlandsman <wlands...@gmail.com> wrote:
> On Mar 4, 10:59 am, Gray <grayliketheco...@gmail.com> wrote:
>
>> Hi all,
>> MAC:
>> IDL> img = readfits('resid_BrGamma_con.fits',/silent)
>> IDL> find, img, x,y,f,s,r,5.d2,0.02,[-1.0,1.0],[0.2,1.0],/silent
>> IDL> print, x[0:9]
>> -NaN -NaN -NaN -NaN -
>> NaN -NaN -NaN -NaN -NaN -NaN
>
>> What is going on??
>
> You are telling find.pro (<http://idlastro.gsfc.nasa.gov/ftp/pro/idlphot/find.pro>)
> that the approximate FWHM of sources on your image is 0.02
> pixels. This is not a plausible value, and results in the spurious
> centroid positions.
>
> So why does it work on your Linux machine? I suspect you have an
> older version of find.pro that used a more simplistic (but evidently
> more robust) centroid algorithm. --Wayne

Okay... From the writeup of find.pro it seemed that that keyword
should be the FWHM of the filter (as in, the width of the filter in
wavelength). How do I figure out the FWHM of my sources w/o using
find to pick them out?
