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Subject: Re: Fractional Pixels Origin?

Posted by [CJCrockett](#) on Fri, 17 Feb 2006 15:24:09 GMT

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Wow....thank you so much for all your replies, though I'm not quite sure how to digest all of it.

The fractional pixels are the output of locating the centroid of a comet in an image. The centroid then defines my center from which I calculate aperture photometry. In the interest of getting the most accurate results, I am using fractional pixel areas and hence need to know where to start counting from "inside" the pixel.

Our images are in the FITS format, as a previous poster indicated. But the centroiding algorithm knows nothing of FITS, it just receives a 2-d image array and goes to town. If anyone has any familiarity with astronomy libraries, I am using the CNTRD procedure in the Goddard library which in turn uses DAOPHOT.

I understand now that there are several different conventions in use (and my data set may actually be using two different conventions as they are from two different sources)! I know that one source puts 0,0 at the center of the pixel. My data, using CNTRD, I don't know about. Is there a test of some sort I can do to clear up the confusion?

Thanks again for the responses!

Regards,  
Christopher Crockett  
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