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Subject: Reading an arbitrary profile from 2D FITS data

Posted by [Balt](#) on Wed, 29 Jun 2011 04:21:48 GMT

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Hi all,

A seemingly very simple problem has me stumped: How do I extract into a vector a profile line from a 2D FITS data set? The IDL astro lib doesn't seem to contain such a function for 2D, only for 3D, and then only along a cardinal axis. That in turn is easy to do also but I need it to go from for example (x,y) 100,100 to 320,240.

Any ideas?

Cheers

- Balt

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Subject: Re: Reading an arbitrary profile from 2D FITS data

Posted by [Balt](#) on Tue, 05 Jul 2011 13:49:38 GMT

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Thanks guys! I hadn't seen your responses (nor my own question) for a few days. Looks like Google groups is having issues.

Craig is spot on, although I in the meantime solved it differently (and probably a bit clumsily): I happen to know that the line I need to take the profile of is at a 39.5 degree angle, so I just ROT'd the image matrix by that amount and took a horizontal slice through the image. It's less lines than above, but slower on a large image!

Cheers

- Balt

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