Subject: Re: How to find the pixel position
Posted by sid on Thu, 29 Apr 2010 08:50:51 GMT
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On Apr 29, 12:06 pm, Dave Poreh <d.po...@gmail.com> wrote:
> On Apr 28, 11:40 pm, sid <gunvicsi...@gmail.com> wrote:
>
>
>
>> On Apr 27, 11:24 am, Aram Panasenco <panasencoa...@gmail.com> wrote:
>
>>> sid wrote:
>>>> Hi,
>>>> My data is in fits format. The is of 1024 * 1024 array. The counts
>>>> vary from 5000 to 6000 and I know that 5500 counts is there in my
>>>> data, but I need to know at which pixel this 5500 counts occur
>>>> exactly, without displaying the image, because I need to do this for
>>>> several files. So each time I can't display and check for the pixel
>>>> position. please helpout in this regard.
>>>> regards
>>>> sid
>
>>> I think what you are saying (correct me if I am wrong) is that you have
>>> a 1024x1024 array, and you want to find where the pixel values are equal
>>> to 5500.
>
>>> You can use the WHERE function:
>
>>> fitsData = readfits('filename.fits')
>>> countValue = 5500
>
>>> findIndices = where(fitsData eq countValue)
>
>>> Note that the WHERE function returns one-dimensional subscripts. You can
>>> convert them back to two-dimensional subscripts (if you need to) using
>>> the ARRAY_INDICES function:
>
>>> rectIndices = array_indices([1024,1024],findIndices,/dimensions)
>
>>> Cheers
>>> ~Aram Panasenco
>
>> Hi,
>> I did like this
>> raw=readfits('filename.fits')
>> b=where(raw eq 2832.90)
>> I know that it occurs at raw(5,5)
>> so now if I do

>> print,b
>> it should print 5, since where function returns one dimensional
>> subscripts.(am I right, correct me if it is wrong)
>> but instead it is printing -1. Please help me out.
>> regards
>> sid
>
> Look at the data type: float double integer?

data type is float
