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Subject: Re: How to find the pixel position  
Posted by [Craig Markwardt](#) on Tue, 27 Apr 2010 06:26:21 GMT  
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On Apr 27, 1:16 am, sid <gunvicsi...@gmail.com> 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

Have you tried WHERE()?  
wh = where(IMG EQ 5500)

The pixel position, or position\*s\* if there more than one, are stored  
in the index array WH. This index array addresses the 2-d array as a  
1-d array. If you want the X and Y positions separately, then use the  
quotient and remainder after dividing by image width...

```
;; SIZE_X = 1024  
ix = wh MOD SIZE_X ;; Remainder  
iy = wh / SIZE_X ;; Quotient
```

Craig

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