
Subject: Re: how to retain header info even after writefits
Posted by [wlandsman](#) on Sat, 22 May 2010 01:37:09 GMT
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On May 21, 3:35 pm, sid <gunvicsi...@gmail.com> wrote:

```
> Hi,  
> I am having fits data, im reading it in this way.  
> img=readfits('file.fit',h)  
> Now if I do print,h it prints the header  
> a=avg(img(0:1023,0:1023),1) ; im averaging over 1024 rows  
> writefits,'file1.fit',a,h ; im writing into fits file  
> Now if I do print,h it prints the header were the COMMENT(the header  
> consists of 8 arrays out of which one array contains comment info)  
> part of the header of the original(file.fit) is different from the  
> one(file1.fit) which I got now.
```

How are they different?

You have changed the size and dimension of your array (by averaging over the first dimension) so writefits.pro automatically changes the NAXIS and NAXISi keywords, which must match the size and dimensions of the stored array. Otherwise, the FITS header should not be changed by your script. --Wayne
