Subject: Re: how to retain header info even after writefits
Posted by sid on Sat, 22 May 2010 18:28:39 GMT

On May 22, 6:37 am, wlandsman <wlands...@gmail.com> wrote:
> 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

extremely sorry its my mistake
sid