
Subject: Re: WCS Coordinates not kept with WRITEFITS

Posted by [jeanh](#) on Thu, 10 Dec 2009 15:30:06 GMT

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Laurence wrote:

> Hi,
> I am writing because I have a problem while creating new fits files
> and I could not find any similar topic on the web.
> Basically, I simply cut a small region from a larger fit file and save
> it with writefits .
>
> im1=readfits('pp.fit',hdr)
> temp1='p.fit'
> imnew1=fltarr(2000,2000)
> imnew1=im1(3303:3512,3095:3293)
> writefits,temp1,imnew1,hdr
>
> But in the newly created .fit file, the coordinates are off and then
> wrong !
> Is there a way to solve this ? (I have idl_6.0)
>
> Thanks,

Hi,

you are saving the header of your big file along with the data of your small file... it can not work. You would have to update the header information (sorry, I don't use fits files so I can't help you on this one). Mainly, the new coordinate of your top left (could be another corner) corner is needed, as the resolution and map info should be the same.

Jean
