
Subject: Re: WCS Coordinates not kept with WRITEFITS
Posted by [Bringfried Stecklum](#) on Thu, 10 Dec 2009 15:30:43 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,
Of course, since the header needs to be updated as well to account for the size
and WCS change. The routine hextract from the IDL Astro Lib does the job of
extracting FITS subimages, see

<http://idlastro.gsfc.nasa.gov/ftp/pro/astrom/hextract.pro>

Regards,

Bringfried
