Subject: Re: WCS Coordinates not kept with WRITEFITS
Posted by Laurence on Tue, 15 Dec 2009 19:02:02 GMT

On Dec 10, 3:30 pm, Bringfried Stecklum <steck...@tls-tautenburg.de>
wrote:
> Laurencewrote:
>> 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

Thanks! In the meanwhile I used IRAF which works very well .

Laurence