Subject: Re: Reading FITS files with the Mac version of IDL
Posted by agraps on Wed, 03 Jan 1996 08:00:00 GMT

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Glenn J White <G.J.White@qmw.ac.uk> writes:

> I have been trying to import FITS files into IDL 4.01
> for a Mac PowerPC, and hit problems with the apparent
> non-standard system parameters !TEXTOUT and !textunit,
> when using the various FITS reader .pro files in the
> IDL Astronomy users library. Has anyone else
> encountered this problem and worked around it ?
> Thanks for any help you van give

I spent a day or so in October tracking down FITS readers for Mac IDL
for my Quadra 700. I remember having several choices of FITS readers
from the Goddard Astronomy IDL library. I kept finding out that I
didn't have the auxilliary programs that I needed, so more effort was
spent in actually tracking down all of the routines than learning to
use the FITS read and write programs.

To read a fits file I used: 'mrdfits.pro' For example:

IDL>fl = 'N50356.fits'
IDL>image = MRDFITS(fl, 0, header)

To write a fits file I used: 'writefits.pro', For example:

IDL>WRITEFITS, 'N50356_final.fits', finalimg, header

And I believe the auxillary programs I needed were:

check_fits.pro
fdecomp.pro
fxpar.pro
fxposit.pro
gettok.pro
host_to_ieee.pro
ieee_to_host.pro
mrd_hread.pro
mrd_struct.pro
mrdfits.pro
readfits.pro
strnumber.pro
sxaddpar.pro
sxdelpar.pro
sxpar.pro
valid_num.pro

wherenan.pro
writefits.pro

I have a different Mac than you, but there shouldn't be problems. You
can email me if you get stuck.

Amara

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Multiplex Answers   URL: http://www.amara.com/
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************************************************************ ********
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"Time is nature's way of keeping everything from happening all at
once."   -- Anonymous

Subject: Re: Reading FITS files with the Mac version of IDL
Posted by thompson on Thu, 04 Jan 1996 08:00:00 GMT
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Glenn J White <G.J.White@qmw.ac.uk> writes:

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> encountered this problem and worked around it ?
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You need to define these environment variables before running the software.
The routine astrolib.pro will do this for you. Simply put the command

 astrolib

in your IDL startup procedure.

Bill Thompson