## 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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"Time is nature's way of keeping everything from happening all at once." -- Anonymous