
Subject: Re: FITS IO Problem

Posted by [John B](#) on Mon, 26 Apr 2010 22:52:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Apr 25, 12:37 pm, John B <bochan...@gmail.com> wrote:

> On Apr 24, 4:08 pm, Craig Markwardt <craig.markwa...@gmail.com> wrote:

>

>

>

>> On Apr 24, 9:18 am, John B <bochan...@gmail.com> wrote:

>

>>> On Apr 24, 8:09 am, wlandsman <wlands...@gmail.com> wrote:

>

>>>> > Readfits.pro is choking since this isn't a standardfitsfile (NAXIS

>>>> > isn't defined). Is there another one I can use?

>

>>>> There is a nice (non-IDL) program FITSVerify (

[http://heasarc.gsfc.nasa.gov/docs/software/ftools/fitsverify /](http://heasarc.gsfc.nasa.gov/docs/software/ftools/fitsverify/)) to

>>>> check the validity of aFITSfile. You can also upload yourFITS

>>>> file to the online verifier.

>

>>> Cool. I submitted it and got this error:

>

>>> File name: test.fits

>>> Run Number 8232

>

>>> fitsverify 4.15 (CFITSIO V3.181)

>>> -----

>

>>> 2 Header-Data Units in this file.

>

>>> ===== HDU 1: Primary Array =====

>

>>> 1 | SIMPLE = T /Dummy Created by MWRFITS v1.4a

>>> 2 | BITPIX = 8 /Dummy primary header created by

>>> MWRFITS

>>> 3 | NAXIS = 0 /No data is associated with this

>>> header

>>> 4 | EXTEND = T /Extensions may (will!) be

>>> present

>>> 5 | END

>

>>> 5 header keywords

>

>>> Null data array; NAXIS = 0

>

>>> ===== HDU 2: BINARY Table =====

>

```
>>> *** Error:  checking data fill: tried to move past end of file
>>> *** Error:  String in row #3, column #3 contains non-ASCII text.
>>>      (Other rows may have errors).
>
>>> I don't know entirely how to interpret this.
>
>>>> Does MWRFITS work with the simple examples provided in the
>>>> documentation?
>
>>> Yes, MWRFITS is working for other applications on my system.
>
>>>> You wouldn't be using GDL (the free IDL clone) rather than IDL, would
>>>> you?  I recently discovered that GDL has a slightly different
>>>> treatment of nested loops than IDL, that led to disastrous
>>>> consequences for a different set of FITS I/O routines.
>
>>> Nope... I am using IDL.
>
>>> --Wayne
>
>> Are you by any chance overwriting an existing file?  To me it looks
>> like you attempted to write a file, but it got stopped after writing
>> the primary extension.  If the bits from the previous existing file
>> are still there, then it would look like a bogus 2ndFITSextension.
>
>> Craig
>
> Hi Craig,
> No, I am writing a new file each time.
>
> Cheers,
> John
```

It seems that updating to the latest astrolib version took care of the problem. Thanks for all your help.

John
