

---

Subject: FITS IO Problem

Posted by [John B](#) on Fri, 23 Apr 2010 20:30:01 GMT

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

---

Hi All,

I am writing an anonymous structure (52 columns by 21 rows) out to a FITS file, using mwrfits.pro from the astrolib library. When I take that file and read it back in (from the same machine), I get garbage values throughout the structure. Nans, infs and just random longs... very confusing. Neither program complains, and until now, both have worked spectacularly.

I have noticed that the first row is preserved properly, and that I can isolate a single row and write it out, then read it in, and it is ok.

Any suggestions??

Thank you!

---

---

Subject: Re: FITS IO Problem

Posted by [wlandsman](#) on Mon, 21 Jun 2010 13:50:36 GMT

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

---

Marc,

In my April post, I was referring to the bug (ID: 2982679) that you evidently fixed on 10-04-10

[http://sourceforge.net/tracker/?func=detail&aid=2982679&group\\_id=97659&atid=618683](http://sourceforge.net/tracker/?func=detail&aid=2982679&group_id=97659&atid=618683)

Thanks for your work on GDL! --Wayne

On Jun 21, 4:59 am, "m\_schell...@sf.net" <mschell...@gmail.com> wrote:

> On 24 Apr., 18:09, wlandsman <wlands...@gmail.com> wrote:

>

>> 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. --Wayne

>

> I just stumbled over this statement now.

> I am not aware of any different handling of nested loops.

> Could you post an example showing the different behaviour of GDL?

> The actual tarball is 0.9rc4

> ( [http://sourceforge.net/projects/gnudatalanguage/files/gdl/0.9rc4/  
gdl-0.9rc4.tar.gz/download](http://sourceforge.net/projects/gnudatalanguage/files/gdl/0.9rc4/gdl-0.9rc4.tar.gz/download))  
> This version already contains a corrected handling of GOTO in and out  
> of loops.  
>  
> Regards,  
> Marc

---

---

Subject: Re: FITS IO Problem  
Posted by [Brandon S.](#) on Wed, 14 Jul 2010 00:06:17 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I'm late to the party here, but I was having the same problem as John. Updating my goddard library fixed the problem (as far as I can tell), but I'm still unsure of the root of the original problem. Doesn't matter now, though, I suppose! Thanks!

---