
Subject: Re: very very strange thing is happening with modfits.....

Posted by [Craig Markwardt](#) on Fri, 22 Jul 2016 18:01:40 GMT

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On Friday, July 22, 2016 at 11:30:12 AM UTC-4, Sapna Mishra wrote:

> On Friday, July 22, 2016 at 8:30:03 PM UTC+5:30, wlandsman wrote:

>> On Friday, July 22, 2016 at 1:15:26 AM UTC-4, Sapna Mishra wrote:

>>> ..etc.

>>> But after modifying it to a fits file stored in variable:fname(n_elements(fname)-1)

>>> I got very different values: 2.26270e+28,-5.91691e-11.....with message:

>>

>> I don't know what is happening -- it works for me.

>>

>> But why don't you just write a new FITS file (using mwrfits.pro) instead of using modfits.pro?

It is likely faster (and certainly less complicated) to write a complete new FITS file, rather than modify bits and pieces of an existing file.

>

> Actually what I want is that my fits file contains data and header in three extensions e.g.

0,1,2(h0,h1,h2) using mwrfits create a complete new files with a

> certain extension. What If i want to recover values of all other two extensions?

> Creating a new fits file with same name will do so???

If I am modifying an existing FITS file I typically use the FXBOPEN, FXBWRITE, FXBCLOSE family of functions. They are documented on the IDL Astronomy Library site.

```
extnum = 1
```

```
fxbopen, unit, 'myfile.fits', extnum, hh, access='RW'
```

```
fxbwrite, unit, aa.flux, 'FLUX', 1
```

```
fxbfinish, unit
```

Done.
