Subject: very very strange thing is happening with modfits.....
Posted by Sapna Mishra on Fri, 22 Jul 2016 05:15:24 GMT
View Forum Message <> Reply to Message

Hello all, Here I am pasting a protion of my code:

```
readcol,'comb_file.dat',wav,new_flux,new_eflux,F='(f,f,f)'
          new_loglam=alog10(wav)
          id_ok  = where(new_eflux gt  0, cnt_ok)
           eivar_new=(1./new_eflux(id_ok))^2
          new_loglam=alog10(wav(id_ok))
          new_flux=new_flux(id_ok)
         aa=mrdfits(fname(n_elements(fname)-1),1,h1)
         aa.flux=cspline(new_loglam,new_flux,aa.loglam)
         aa.ivar=abs(cspline(new_loglam,ivar_new,aa.loglam))
         modfits,fname(n_elements(fname)-1),aa,h1,EXTEN_NO=1
```

I checked the value of aa.flux and aa.ivar before modifying with modfits:

They are just normal values eg. 14.7555,15.9066.....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:
%Program caused arithmetic error: Floating illegal operand.

I wasted my whole day in this checking what is going wrong after modfits. I am using the latest version of modfits.pro.

What is going wrong can anyone please tell me??????????????????????////

I checked there is no problem in cspline or anything they are just normal finite values.(eg. not inf and NaN anywhere)