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

Posted by [Sapna Mishra](#) on Fri, 22 Jul 2016 05:15:24 GMT

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Hello all, Here I am pasting a portion 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)
