Subject: Re: reading binary files
Posted by Vince Oliver on Tue, 19 Jun 2007 16:10:24 GMT
View Forum Message <> Reply to Message

ok ... works seems to me. thanks for help. I copy paste the program
for the case somebody has similar problem

```
      data = 'c:\users\\spectra10.bin'

OpenR, lun, data, /Get_Lun, /F77_UNFORMATTED

n=7323
nmod = 10

spectra = ASSOC(lun,{RecBegin:0L, data:FLTARR(2,n), RecEnd:0L})


for i = 0, nmod-1 do begin
 openw, out, strcompress('test'+string(i)+'.dat'), /get_lun
 spectrum = spectra[i]
 for j = 0, (size(spectrum.data))[2]-1 do begin
  printf, out, spectrum.data[0,j], spectrum.data[1,j]
 endfor
 close, out
 free_lun, out
endfor


Close, lun
Free_Lun, lun
```

On Jun 19, 5:28 pm, Paul van Delst <Paul.vanDe...@noaa.gov> wrote:
> Vince Oliver wrote:
>> paul, when I do
>
>>   spectra = ASSOC(lun,{RecBegin:0L, Data:FLTARR(2,n), RecEnd:0L})
>>   spectrum = spectra[0]
>>   print, spectrum
>
>> I endeed have:
>

>> SPECTRUM STRUCT = -> <Anonymous> Array[1]
>> { 58584 91.0000 2.04773e-023
>> 94.0000 5.73142e-023
>> 96.0000 1.12218e-022
>> 98.0000 2.17056e-022
>> 100.000 4.00652e-022
>> ...}
>
>> How to get these elements?
>
> The structure components? Use the "." operator to resolve them. Try,
>
> IDL> help, spectrum.data
>
> For example:
>
> IDL> spectrum={rb:-999L, data:findgen(5)+10.0, re:-999L}
> IDL> print, spectrum
> { -999 10.0000 11.0000 12.0000 13.0000 14.0000
> -999}
> IDL> help, spectrum
> SPECTRUM STRUCT = -> <Anonymous> Array[1]
> IDL> help, spectrum.data
> <Expression> FLOAT = Array[5]
> IDL> print, spectrum.data
> 10.0000 11.0000 12.0000 13.0000 14.0000
> IDL> print, spectrum.rb, spectrum.re
> -999 -999
>
> Check your IDL help for much more info on IDL structures.
>
> cheers,
>
> paulv
>
> --
> Paul van Delst Ride lots.
> CIMSS @ NOAA/NCEP/EMC Eddy Merckx- Hide quoted text -
>
> - Show quoted text -