
Subject: Re: reading f77_unformatted and writing it as ascii file
Posted by [K. Bowman](#) on Tue, 21 Dec 2004 23:13:51 GMT
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In article <cqa9h7\$3np\$1@news.tamu.edu>, "Jaehyung Yu" <jaeyu@tamu.edu> wrote:

> Dear all,
>
> I downloaded f77_unformatted data file and tried to extract the information
> to ascii format.
>
> However, the output file I extracted has only one value of "0".
>
> The dataset is 1400x1400 float array. I used the following lines. Can
> somebody help me what I did wrong?
>
> Thank you in advance.
>
> IDL> file = 'bal_flux.bas_smooth35'
> IDL> openr, lun, file, /f77_unformatted, /get_lun
> IDL> nx = 0L & ny = 0L
> IDL> readu, lun, nx, ny
> IDL> print, nx, ny
> 1400 1400
> IDL> bal_flux = fltarr(nx, ny)

IDL> READU, lun, bal_flux

> IDL> help, bal_flux
> BAL_FLUX FLOAT = Array[1400, 1400]
> IDL> free_lun, lun
> IDL> outfile = 'outfile.txt'
> IDL> openw, lun_out, outfile, /get_lun
> IDL> printf, lun_out, bal_flux
> IDL> free_lun, lun_out
>
> Your help is very important and urgent to me.
>
> Sincerely,
>
>

You forgot to read bal_flux. This assumes the F77 file was written with two WRITES. It should have $((1400 \times 1400) + 2 + 4) \times 4$ bytes.

Ken Bowman
