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:

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> 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 x 1400) + 2 + 4) x 4 bytes.

Ken Bowman