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Subject: idl writeu and fortran...

Posted by [j oishi](#) on Fri, 11 Jul 2003 05:34:30 GMT

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hi,

i know i'm stepping into murky waters here, but i have a question about using idl to write unformatted binary files for fortran. when i write a single record, ie

```
openw,unit,'blah.dat',/f77_unformatted,/get_lun
d=fltarr(10)
writeu,unit,d
free_lun(unit)
```

and then read it in in f77, everything is fine. when i try to add multiple records to the same file, everything goes to hell:

```
openw,unit,'blah2.dat',/f77_unformatted,/get_lun
d=fltarr(10)
e=fltarr(10,10)
writeu,unit,d
writeu,unit,e
free_lun(unit)
```

now, in this second example, i can read the first record out of blah2.dat, but trying to get e (the second record) out, causes the following error:

```
data [14:14]$ ./readbin
start: end of file
apparent state: unit 12 named aa0000.D
lately reading sequential unformatted external IO
Abort trap
```

i've tried this using two versions of idl on two different architectures, compilers, etc. (reading and writing, that is...not trying to cross platform with binary files)

can anyone provide insight?

thanks,

j oishi

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