
Subject: Re: reading unformatted binary data (WRITEU) with FORTRAN routine
Posted by [nowicki](#) on Thu, 11 Aug 1994 18:37:59 GMT

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In article <11AUG199413273078@stars.gsfc.nasa.gov>, kucera@stars.gsfc.nasa.gov (Terry Kucera) writes:

> Well, this is sort of a FORTRAN question, but it has an IDL angle,
> so maybe someone here can help me.
> I've stored an array of floating points in an unformatted binary data file
> using WRITEU in IDL. Can anyone tell me how to read the data back using
> FORTRAN? Terry Kucera
> kucera@stars.gsfc.nasa.gov

The following code works like a charm under OVMS 1.5 and IDL 3.6:

----- IDL code to create an unformatted file -----

PRO temp

```
OPENW,lun,'temp.dat',400,/GET_LUN
FOR i = 0, 4 DO BEGIN
  j = FINDGEN(100) * (i + 1)
  WRITEU,lun,j
ENDFOR
FREE_LUN,lun
```

END

----- Fortran code to read an unformatted file -----

PROGRAM temp

IMPLICIT NONE

```
REAL*4
+ rec(100)
INTEGER*4
+ i, j
```

```
OPEN(UNIT=50, FILE='temp.dat', STATUS = 'OLD',
+ FORM='UNFORMATTED')
```

```
DO i = 1, 5
  READ(50) (rec(j), j = 1, 100)
  PRINT*, 'rec', i
  PRINT*, rec
  PRINT*
```

```
END DO
CLOSE(50)
STOP
END
```

Good luck,

-Greg

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