
Subject: IDL CALL_EXTERNAL UNIX FORTRAN NO CARRIAGE_RETURN

Posted by [Lew Randerson](#) on Mon, 28 Aug 2000 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

On UNIX (Both Solaris and Digital UNIX) with IDL Version 5.3,
when using CALL_EXTERNAL on FORTRAN subroutines, carriage
returns of WRITE statements to the screen are being ignored. i.e.
we are getting this:

```
IDL> ftn_lew
LINE ONE
    LINE TWO
        LINE THREE
            IDL>
```

When we should be getting this

```
IDL> ftn_lew
LINE ONE
LINE TWO
LINE THREE
IDL>
```

What's wrong????

Here's the FORTRAN source:

```
$ cat ftn_lew_sun.f
    REAL*4 FUNCTION FTN_LEW()
    WRITE(*,10) 'LINE ONE'
    WRITE(*,10) 'LINE TWO'
    WRITE(*,10) 'LINE THREE'
10   FORMAT(1X,A)
    FTN_LEW = 1.0
    END
```

Here's the IDL source.

```
$ cat ftn_lew.pro
PRO FTN_LEW
  CD, '.', CURRENT=PWD
  LIB_NAME  = PWD+'/'+ 'ftn_lew.'+'so'
  ENTRY_NAME = 'ftn_lew'+ '_'
  SUM = CALL_EXTERNAL( LIB_NAME, ENTRY_NAME, /F_VALUE)
  RETURN
END
```

Here's the build

```
f77 -pic -G -c ftn_lew_sun.f
f77 -G -o ftn_lew.so ftn_lew_sun.o \
    -lf77 -lm -lc
```

This problem is not seen on VMS.

Thanks in advance for any help.

--Lew

lranderson@pppl.gov
