Subject: Re: PRINTF printing to wrong LUN
Posted by penteado on Wed, 14 Jul 2010 15:31:46 GMT
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On Jul 14, 11:48 am, polystethylene <polystethyl...@hotmail.com>
wrote:
> Has anyone had any experience of IDL seemingly printing to the wrong
> logical unit number?
>
> I have this IF clause in my code:
>
> IF nwestframes GE 1 THEN BEGIN
>   OPENW,lun2,'rotate.list'
>   PRINTF,lun2,FORMAT='("'+string(calibprefix)+'",A0)',lightlist[b]
>   CLOSE,lun2
>   PRINTF,lun,'rotate @rotate.list @rotate.list 180'
>   PRINT,'Pier flip occurs at frame
> '+string(FORMAT='(I0)',nwestframes+1)+'. 180deg rotation to be applied
> to all eastern sky images'
>   PRINTF,redinfo,'Pier Flip @ frame =
> '+string(FORMAT='(A0)',nwestframes+1)
> ENDIF
>
> So as you can see I have a new file introduced within the IF clause,
> and two previously open units, lun & redinfo.
>
> Up until this point in the code, IDL was correctly printing to each
> lun, as I instructed it to. In this case however, it has printed 'Pier
> Flip @ frame   100' in the file associated with 'lun' instead of
> 'redinfo'. redinfo has other info successfully printed to it, so I
> have no idea why IDL suddenly messes up here.

This suggests that in some place the variable redinfo is being
changed. You should check the values of the lun variables, to make
sure they are not repeated (using the same value in different files),
and not getting changed. You did not show how you decide on their
values. The most reliable way to avoid conflicts would usually be
something like

OPENW,lun2,'rotate.list',/get_lun

so that IDL finds an unused number and puts it into lun2. Then,
instead of using close:

free_lun,lun2

so that the number is returned to the pool (and the file is closed).