Subject: Re: readf help!
Posted by Paolo Grigis on Tue, 14 Feb 2006 17:06:23 GMT
View Forum Message <> Reply to Message

vorticitywolfe@gmail.com wrote:
> Hello,
>
> I need a little help with the readf procedure. I have a few large data
> files that I am trying to make run faster by reading directly from the
> file into variables rather than reading them as a string and splitting
> them eventually placing them into their representative files; however,
> I'm running into a problem with converting the time which is in seconds
> since 1970 to a long #... I've tried numerous format codes and none
> have been successful. My data simplified data file is as follows:
>
> 001,1137369600,0000000,00.00,00002.22,-00.3,009.3,09.4*27AE
> 001,1137369601,0000000,00.00,00002.22,-00.3,009.2,09.4*9AA9
> 001,1137369602,0000000,00.00,00002.32,-00.3,009.3,09.4*1DA3
>
> My program looks like this:
>
> openr, lun, fname, /GET_LUN
> for i=0l, vs-1 do begin
> readf, lun, a,b,c,d,e,f,g,h
> print,a,long(b),c,d,e,f,g,h
> endfor
> FREE_LUN, lun
> end
>
> My output looks like this:
>   1.00000 1137369600   0.000000   0.000000   2.22000
> -0.300000   9.30000   9.40000
>   1.00000 1137369600   0.000000   0.000000   2.22000
> -0.300000   9.20000   9.40000
>   1.00000 1137369600   0.000000   0.000000   2.32000
> -0.300000   9.30000   9.40000
>
> See how the seconds do not increment, but everything else does. This
> leads me to believe that it is something wrong with the formatting. Can
> anyone help or explain how to overcome this? Thanks! Jon
>
You should make the variable b of type long or double, you get limited
precision beacuse you b is of type float (I guess).

Ciao,
Paolo