Subject: Re: writing large 3D data file fails Posted by dorthe on Tue, 13 Oct 2009 09:58:53 GMT

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On 8 Oct, 13:32, Nigel Wade <n...@ion.le.ac.uk> wrote: > I can't test your exact array because I don't have sufficient RAM, that array is over 50GB and I only have 32GB. > > However, attempting to write a smaller array (fltarr(4008,4008,200), > which by my reckoning is about 12GB) causes a segmentation violation. The resulting file in my case is actually empty. > > IDL> volume=fltarr(4008,4008,200) > IDL> help,/memory > heap memory used: 12852030500, max: 12916286829, gets: 459, > frees: 142 > IDL> GET LUN, lun > IDL> OPENW, lun, 'bigfile' > IDL> WRITEU, lun, volume Segmentation fault > > # ls -l bigfile > -rw-r--r-- 1 root root 0 Oct 8 12:25 bigfile > I don't think WRITEU likes very big files. Maybe it's not built with > largefile support, and internally uses a 32bit file pointer. I can't see > why it would be being a 64bit application, but what else might cause the

error?

>

> Nigel Wade

Thanks for trying to help, - I really don't know what's wrong, but instead of working out the kinks of IDL, I may just write the volume as 3 or 4 smaller sections... - a bit sad though. Cheers,

Dorthe