
Subject: Re: Readu, Writeu Causing Segmentation Fault
Posted by [Wout De Nolf](#) on Mon, 07 Sep 2009 08:29:18 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sun, 6 Sep 2009 21:21:28 -0700 (PDT), "A.R." <alromens@gmail.com>
wrote:

> Hello everyone,
>
> I have created rather large volumes (3-D binary arrays) in IDL that I
> save as unformatted data (i.e. writeu). When the volume gets above a
> certain size (around 2.2 GB) when I attempt to writeu or readu the
> volume, I am kicked out of IDL with a segmentation fault. I don't
> think it's a memory issue, I'm running 64-bit IDL on a 64-bit linux
> running redhat enterprise with 12 GB of ram.
>
> One workaround I've used for 'writeu' is to write to the file in
> chunks, by using a for loop to write each slice of the volume
> individually. This works for saving the volume, but then I have no
> way to re-open the volume in IDL without the readu segmentation fault!
>
> Anyone have any ideas for what could be causing this? I'm running IDL
> Version 6.2.
>
> I appreciate any suggestions/ideas you smart people might have! In
> the meantime, I'll continue banging my head against the wall over this
> one.

This works for me:

```
IDL> writeu,lun,lonarr(930,930,930) ;~3GB
```

```
{ x86_64 Win32 Windows Microsoft Windows 7.1 Apr 21 2009    64 64}
```
