Subject: Re: Large TIFF file question
Posted by Dick Jackson on Tue, 15 Jan 2002 23:06:25 GMT
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"Neil Talsania" <talsania@kodak.com> wrote in message
news:a228o1$4n6$1@news.kodak.com...
> Hi,
> I have what should be a simple question (I hope!). I am trying to run an
> IDL routine that was given to me. The routine has run successfully on
small
> images, but when I try to run it on my 1.5 Gig image it fails on the
memory
> allocation.
>
> Looking at the code, it does the following:
>
> a = float(read_tiff(filename).

I might guess that if you did it in two stages, you'd see something
interesting:

1.
aTemp = read_tiff(filename)

- this should use roughly 1.5 GB if it's an ordinary TIFF file with three
  bytes per pixel (RGB)

2.
a = float(a)

- this would convert every byte to a 4-byte float, using roughly 6.0 GB!
  (The aTemp can be deleted, of course, and your original wouldn't end up
  with this 1.5 GB hanging around.)

Perhaps this is the problem, and you may need to get creative to find a
solution. (subsampling the array for further use?)

Cheers,
--
-Dick

Dick Jackson / dick@d-jackson.com
D-Jackson Software Consulting / http://www.d-jackson.com
Calgary, Alberta, Canada / +1-403-242-7398 / Fax: 241-7392