Subject: Re: Large TIFF file question
Posted by Martin Downing on Wed, 16 Jan 2002 09:17:04 GMT
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"Craig Markwardt" <craigmnet@cow.physics.wisc.edu> wrote in message news:ond70alxii.fsf@cow.physics.wisc.edu...
> "Dick Jackson" <dick@d-jackson.com> writes:
>
>> "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).
>>
> ...
>> Perhaps this is the problem, and you may need to get creative to find a
>> solution. (subsampling the array for further use?)
>
> Or, how about reading only a portion of the image at a time using the
> SUB_RECT keyword. This is a technique known as tiling, and of course
> the slightly more difficult part is the logic to stitch together
> the tiles at the end.
>
> Craig
>
> --
> --- ----------
> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
> --- ----------

If you are crazy/unfortunate enough to be doing this on a windows OS, you'll be facing the 1/2Gb limit on process memory, and anyway no matter how much memory you have the chances are you will be watching the grass grow as page faulting takes up most of the time :([I'd be happy for someone to prove me wrong!]. Craig's method is undoubtedly the way to go.

Martin