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Subject: Re: Trying to read very big image in IDL  
Posted by [Chris\[6\]](#) on Wed, 09 Dec 2009 00:30:10 GMT  
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On Dec 8, 11:02 am, Alexander Sousa <antina...@gmail.com> wrote:  
> Hello everyone, i've found much of the information found here quite  
> useful, which is why i require of your help for the following (sorry  
> if my english is somewhat poor):  
> -I'm trying to read an awfully large image (14402 cols, 9602 rows, 2  
> bands, floating-point data), stored in tiff format, the problem is:  
> when i try to read it using the READ\_TIFF IDL throws an error saying  
> it can't allocate memory to make such array... I can easily export the  
> image to different data types, so feel free to advice a format  
> migration; i'd be very grateful if you provided me with an efficient  
> way to achieve this task.  
>  
> Thank you, Alexander

The SUB\_RECT keyword in READ\_TIFF will allow you to extract a subimage within your large file. There's a chance that the image is too big to fit in ram (by my calculation, it's around 1 GB). If this is the case, then your only choice is to process the image in chunks using sub\_rect

chris

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