Subject: Re: Trying to read very big image in IDL
Posted by Alexander Sousa on Fri, 11 Dec 2009 15:45:31 GMT
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On 8 dic, 20:30, Chris <beaum...@ifa.hawaii.edu> wrote:
> On Dec 8, 11:02 am,AlexanderSousa<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

Thanks for your help Chris, but i don't quite understand the correct
use of SUB_RECT keyword, i'm quite unexperienced in IDL as you may
have already noticed, sorry for the inconvenience... That aside,
supposing i manage to process the image in chunks with SUB_RECT, how
should i output the processed image (same size, but just one band).

Thanks for the help, Alexander.