Subject: How to create an image from the last columns of a stack of images?
Posted by Jeff N. on Thu, 01 Sep 2005 07:17:21 GMT
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Hi everyone,

I have a large image cube(1920x1080x3000 - columns x rows x bands) from which i need to create a new image from the last column of all the input bands. Actually, there's a loop involved, the second image to create is from the set of next to last columns of all the input bands. I'm wondering how to go about doing this. I could use the ASSOC function to get to each band without having to read the entire band into memory, but this is still taking a long time. If I needed to extract rows rather than columns I'd probably use point_lun in a loop over each band, but since I need columns I'm not going to be reading contiguous chunks of data from disk (I don't think), so I'm not sure thats really efficient either. Anyone have any suggestions?

Thanks,
Jeff

Subject: Re: How to create an image from the last columns of a stack of images?
Posted by cgguido on Fri, 09 Sep 2005 15:10:57 GMT
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Not sure I get your question 100%. But if you have an image cube A so that
idl> help, A
A something_array[1920, 1080, 3000]

and you want to create a 2D image from the 1920th slice along the first index then it's as simplle as
idl> b=a[1919, *, *]

this is !very! simple though, so I really think you mean something else. could you clarify your question, perhaps with a small example?

thanks,
Gianguido