Subject: Re: Getting ROI data from an image
Posted by David Fanning on Fri, 30 Sep 2011 21:32:25 GMT
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Rebecca writes:

> That's great, and it makes so much sense, but it doesn't seem like IDL
> obeys those laws of indexing. Using
> temp = img[x,y,*]
> produces an out of memory error. It's not hard to figure out why-
> temp = img[x,y,0]
> Produces a [npix, npix] array, where npix is the number of pixels
> referenced in 'indices'. What I was expecting to happen was a [npix]
> vector! IDL is playing by different rules here.
>
> npix = N_ELEMENTS(indices)
> z = INTARR(npix)
> temp = img[x,y,z]
>
> That produces the magical vector array I want. So, is there any way to
> play by these rules and grab 300 bands worth of data at once so I have
> a [npix, bands] array? Or should I give up the chase and just FOR loop
> it?

Actually, you are doing this correctly by making
your own index vector. See the latter half of
this article:

http://www.idlcoyote.com/misc_tips/submemory.html

Cheers,

David

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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")