Subject: Re: LONG AND NARROW IMAGE
Posted by Craig Markwardt on Tue, 28 Nov 2000 08:00:00 GMT
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Greetings--

You may want to try PLOTIMAGE, available from my web page. You can display a subset of an image using this technique. The trick is to set the XRANGE and YRANGE keywords appropriately. Let's say you have a 2000 x 200 image, and want to show the subimage from 500 to 1000. Try this:

plotimage, img, xrange=[500,1000], ...

There are quite a few options to PLOTIMAGE that you might want to investigate. For example:

* you can establish an alternate coordinate system with IMGXRANGE and IMGYRANGE;
* use the RANGE keyword to scale data for the screen;
* use the /PRESERVE_ASPECT keyword to force pixels to be square, and preserve the aspect ratio of your image.

Have fun!
Craig

PLOTIMAGE is self-contained, and can be found here, under Graphics:
http://cow.physics.wisc.edu/~craigm/idl/idl.html

"Mark Chan" <chanm@cadvision.com> writes:

> Given:
> 1 cm by 100 cm long continuous color photo (actual size). Saved in an image
> format readable by IDL (e.g. READ_JPEG or equivalent). Cannot reduce in size
> otherwise details will be lost.
>
> Want:
> Read into IDL. Display only 3 cm strip of the actual photo at any given
> time. Which portion to show depends on some other parameter output from
> another routine.
>
> Problem:
> 1) Does any one have a similar code to share? If not, any web site that I
> can get some idea on how best to do this? Any suggestion, especially on the
> logic, is greatly appreciated.
>
> 2) I got a very grainy image when the image is displayed inside IDL. The

> same image is very clear when displayed using a graphical package (e.g.
> PhotoShop or equivalent). This is the first time for me on such topic. I
> must be doing something wrong. Running IDL on WinNT4. Could it be color
> indexing problem? Or resolution problem, etc? Want to improve quality of
> image in IDL. Suggestions?
>
> Thanks in advance,
> Mark Chan
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