
Subject: Re: Obtain Pixel values in ENVI and report those to IDL
Posted by [David Fanning](#) on Thu, 04 Dec 2008 15:20:26 GMT
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Jean H. writes:

```
> First, I doubt you are doing the right program "combination"... I
> believe you should either do everything within IDL (open an image,
> select the pixel, grow your region), or within Envi, by calling an IDL
> function... but transferring data back and forth is likely going to be
> a pain.
>
> For the first option, well, the degree of complexity depends on what is
> your data and your goal...
>
> ;Open your image
> openr, unit,image, /get_lun
> readu, unit, img
> close, unit & free_lun, unit
>
> ;display it
> tvimage, img
>
> ;select a pixel
> cursor,x,y
>
> ;grow your region and else!
```

I doubt very much this is going to work, except in a very narrow set of circumstances. To grow the region, you are going to have to know the value of the image at a particular location. In general, you can't obtain that kind of information from an image display (which, by necessity, is scaled into the range of 0 to 255 and usually rebinned to fit into a display window).

You could, for example, get the value of your image at a particular location in the image by using a program such as IMGWIN:

<http://www.dfanning.com/catalyst/imgwin.html>

To do this absolutely accurately, you would have to display the image full size:

```
IDL> ImgWin, image, /FULL_RESOLUTION
```

I really have no idea how to do this kind of thing in ENVI, but the idea for IMGWIN was stolen from ENVI, so I presume a similar

thing is possible. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
