
Subject: Re: routine in ENVI to pass from EVF to ROI????
Posted by [txominhermos](#) on Mon, 07 Aug 2006 06:45:55 GMT
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Thanks for your reply David,
but I don't know how to use ARRAY_INDICES with an image load via ENVI_OPEN_FILE. As you know the arguments required are Array and Index, but I do not have the array in memory (because it is too big).

I have got the indices from:

```
FOR j=0,nb-1 DO BEGIN
    roi_data = ENVI_GET_ROI_DATA( roi_id, fid=fid, pos = [j])
    ENVI_GET_ROI_INFORMATION, roi_id, ns=ns, nl=nl
    roi_addresses = ENVI_GET_ROI(roi_id)      ; Get the
"position" of the pixels in the ROI
ENDFOR
```

So, the main problem -in this moment- is how to transform pixel addresses into pixel coordinates with an image load via ENVI_OPEN_FILE and without memory to store that image.

-txomin

David Streutker ha escrito:

```
> Once you have the vector of roi_addresses, you can use ARRAY_INDICES to
> convert the addresses to 2-dimensional coordinates. Then find the MIN
> and MAX of the x and y coordinates.
>
> If you have read the original file already, just use
> ENVI_WRITE_ENVI_FILE, Data[xMin:xMax,yMin:yMax] ...
>
> If you don't have enough memory to read in the original file, I *think*
> you can use MOSAIC_DOIT to clip the original. MOSAIC_DOIT is meant for
> use with multiple files, but I believe it will work with a single one,
> and you can use the x0 and y0 keywords to effectively subset the image.
>
> -David
```
