
Subject: Re: ROI Data Retrieval

Posted by [Markus Schmassmann](#) on Mon, 19 Jun 2017 08:27:40 GMT

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On 06/17/2017 10:23 AM, moxament@gmail.com wrote:

> I am trying to write a code in which an ENVI format image with multi-bands is opened and the associated ROI file is restored. I want to get the data of each class from the image. I have three classes and for each class I want to create an array with number of columns equal to the number of bands and number of lines equal to the number of selected pixels of the ROI (class). My code looks like:

```
>
> ;Open and read the all-band file
> ENVI_OPEN_FILE, Inputbands, R_FID = FID, NO_REALIZE = 1
>
> ;Read the header of the data image file
> ENVI_FILE_QUERY, fid, ns = ns, nl = nl, nb = nb
>
> ; Restore the pre saved regions of interest.
> envi_restore_rois, InputROI
> roi_ids = envi_get_roi_ids(fid=fid, roi_colors=roi_colors, roi_names=class_names)
>
> Result = ENVI_GET_ROI_DATA(roi_ids, FID=FID)
>
> However, when I run the code I get the following error:
>
> % Expression must be a scalar or 1 element array in this context: <BYTE   Array[3]>.
> % Execution halted at: ENVI_ROI_ID_VALID 247
> %           ENVI_GET_ROI_DATA 908
> %           $MAIN$
>
```

> Can you please help? Your efforts are appreciated!!

As an educated guess, I'd say `roi_ids` is an array, but must be a scalar or 1 element array. So you probably have to loop. --Markus
