
Subject: Problem reading multiband-ENVI file

Posted by aleks.franca@gmail.co on Sat, 23 Jun 2007 01:53:01 GMT

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I have an Envi file with 6 bands and I need to take the bands apart in separate variables so that I can display them in my GUI routine.

That's what I have:

:: Starts here

```
envi_select, title="WAVECHANGE: Select 'Initial State' Image", $
```

```
    fid=fid1, dims=dims1, pos=pos1
```

```
if (fid1 eq -1) then return
```

```
envi_file_query, fid1, fname=fname1, bname=bname1, $
```

```
    data_type=data_type1, $
```

```
    ns=ns1, nl=nl1, nb=nb1, $
```

```
    sname=sname1, xstart=xstart1, ystart=ystart1
```

```
;get number of slices
```

```
n_slices = nb1
```

```
img = BYTARR((dims1(2)+1),(dims1(4)+1),n_slices)
```

```
;for each slice in the selection
```

```
for i = 0, n_slices-1 do begin
```

```
    ;get filename
```

```
    file = fname1
```

```
    ;create empty slice
```

```
    image = bytarr((dims1(2)+1),(dims1(4)+1))
```

```
    ;open file and fill in slice
```

```
    OpenR, lun, file, /Get_lun
```

```
    ReadU, lun, image
```

```
    Free_lun, lun
```

```
    ;store slice in volume
```

```
    img[*,*,i]=image
```

```
endfor
```

```
;image = CONGRID(image, dims1(2)+1, dims1(4)+1)
```

```
WINDOW, 3, XSIZE = dims1(2)+1, YSIZE = dims1(4)+1
```

```
image = bytscl(image)
```

```
TV, image
```

```
;Ends here
```

This is not working with my envi file. I don't know if this is the

right way to do it. I have no experience with envi files.

Any help would be appreciated..

thank you

Aleksander
