
Subject: Re: How to programmatically access the Available Band List

Posted by [jeffnettles4870](#) on Mon, 30 Mar 2009 18:13:05 GMT

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On Mar 30, 12:24 pm, Leonardo Sbaraini <leonardo.computa...@gmail.com> wrote:

- > I need to bring up the band list automatically to chose 3 single-band
- > images (already loaded) to create a RGB image.
- > I tried to use:
- >
- > - RGB_GET_BANDS (shows and allow selection but dont have button like
- > "Load in a new display")
- > - WIDGET_BAND_LIST
- >
- > The documentation about the WIDGET_BAND_LIST is very poor, only have
- > the parameters:
- >
- > WIDGET_BAND_LIST base ABL AUTO_MANAGE CONTEXT_EVENTS CONTEXT_ID FID
- > FRAME MATCH_FID MAX_YSIZE MULTIPLE NO_SELECT POS PROMPT SCR_XSIZE
- > SCR_YSIZE UVALUE XSIZE YSIZE
- >
- > I was clear about the question? Someone can help ? Thanks...

I doubt ITTVIS intends for you to mess with the available bands list, but you should be able to give the user the ability to pick three images without too much trouble using other widgets. Have you tried ENVI_SELECT? If nothing else, you could build a list of open images yourself, make a list widget and let the user select the three from that list, then display them with ENVI_DISPLAY_BANDS.

Jeff

Subject: Re: How to programmatically access the Available Band List

Posted by [Leonardo R. Sbaraini](#) on Tue, 31 Mar 2009 11:27:35 GMT

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I'm more a ENVI programmer than IDL and we need here to follow the software client specification.

So this is why I need to try do the exatcly thing.

I solve this creating the file "displaygroup.grp" and envi headers automatically and allowing the user to open it.

But in this case the image must be the envi type.

Thanks for your time.

Subject: Re: How to programmatically access the Available Band List
Posted by [Andre Abrantes](#) on Wed, 01 Apr 2009 10:46:54 GMT
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Hi Leo !

Try the follow coomand line:

```
envi_band_select, BASE = availableBandList, /NO_LIST
```

You can go deeper using fake events to debug internal events in
Envi_Band_Select.

See you...
Andre.

On Mar 31, 8:27 am, Leonardo Sbaraini <leonardo.computa...@gmail.com>
wrote:

- > I'm more a ENVI programmer than IDL and we need here to follow the
- > software client specification.
- > So this is why I need to try do the exatcly thing.
- >
- > I solve this creating the file "displaygroup.grp" and envi headers
- > automatically and allowing the user to open it.
- > But in this case the image must be the envi type.
- >
- > Thanks for your time.

Subject: Re: How to programmatically access the Available Band List
Posted by [Leonardo R. Sbaraini](#) on Thu, 02 Apr 2009 11:16:49 GMT
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Hello Master!

Yeah, this line works but the file displaygroup.grp loads
automatically the 3 images. (when loaded by the user obviously).

See below its creation:

```
openw, fu, 'displaygroup.grp', /GET_LUN
```

```
printf, fu, '<ENVI Display Group Information>'  
printf, fu, 'display data file = {'  
  printf, fu, "" + strEnviFileRed + ",'"'  
  printf, fu, "" + strEnviFileGreen + ",'"'  
  printf, fu, "" + strEnviFileBlue + ",'"'
```

```
printf, fu, 'display data bands = {1,1,1}'
```

```
printf, fu, 'display window style = 0'
printf, fu, ';'
printf, fu, 'image window location = {5,25,0}'
printf, fu, 'image window border = {0,0,0,0}'
printf, fu, 'image window border color = 0'
printf, fu, 'image window size = {400,400}'
printf, fu, 'image window upper left location = {0,0}'
printf, fu, 'image window current pixel = {10,10}'
printf, fu, 'image window menubar = 1'
printf, fu, 'image window scroll bars = 0'
printf, fu, ';'
printf, fu, 'zoom window location = {300,500,0}'
printf, fu, 'zoom window size = {200,200}'
printf, fu, 'zoom window factor = 4'
printf, fu, 'zoom window menubar = 0'
printf, fu, 'zoom window scroll bars = 0'
printf, fu, 'zoom window interpolation = 0'
printf, fu, ';'
printf, fu, 'scroll window location = {10,500,0}'
printf, fu, 'scroll window size = {256,124}'
printf, fu, 'scroll window menubar = 0'
printf, fu, 'scroll window factor = 112.97265625'
printf, fu, 'scroll image subset = {1,7101,1,3451}'
    close, fu
    free_lun, fu
```

The file must be loaded by menu ENVI/File/Restore Display Group :)

Thanks for answering, cya around !

[]'s
