
Subject: Save ENVI stretched file as TIFF file in ENVI

Posted by [titan](#) on Tue, 14 Feb 2012 13:56:07 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi all,

I know that my question is not so difficult but I'm not able to find where is the problem: I'm trying to save an image as tiff file after stretching it. the original image is the result of a layer stacking. in the following you can see the code.

```
ENVI_DOIT, 'ENVI_LAYER_STACKING_DOIT', FID=out_img_RGB_fid,
DIMS=out_img_RGB_dims,INTERP=0, OUT_BNAME=out_img_RGB_outbname,$
      OUT_DT=1,
OUT_PROJ=ch01_fname_proj_info,
OUT_PS=ch01_fname_ps,POS=out_img_RGB_pos,$
      /IN_MEMORY,
R_FID=out_img_RGB_r_fid

out_img_RGB_data=BYTARR(4400,3300,3)
  out_img_RGB_data_RED=ENVI_GET_DATA(FID=out_img_RGB_r_fid,POS =0,
DIMS=out_img_RGB_dims)
  out_img_RGB_data_GREEN=ENVI_GET_DATA(FID=out_img_RGB_r_fid,POS=1,
DIMS=out_img_RGB_dims)
  out_img_RGB_data_BLUE=ENVI_GET_DATA(FID=out_img_RGB_r_fid,POS=2,
DIMS=out_img_RGB_dims)

out_img_RGB_data(*,*,0)=out_img_RGB_data_RED
out_img_RGB_data(*,*,1)=out_img_RGB_data_GREEN
out_img_RGB_data(*,*,2)=out_img_RGB_data_BLUE
out_img_RGB_data_band_names=['R_equaliz', 'G_equaliz', 'B_equaliz']
out_img_RGB_data_scaledBand_stretch = ENVI_DEFAULT_STRETCH_CREATE(/
EQUALIZE)
out_img_RGB_data_size=SIZE(out_img_RGB_data)
out_img_RGB_data_ns=out_img_RGB_data_size(1)
out_img_RGB_data_nl=out_img_RGB_data_size(2)
out_img_RGB_data_nb=out_img_RGB_data_size(3)
out_img_RGB_data_name='test_equaliz_'+orig_fname
out_img_RGB_data_def_bands=[0,1,2]

ENVI_WRITE_ENVI_FILE, out_img_RGB_data, DATA_TYPE=1,
NS=out_img_RGB_data_ns, NL=out_img_RGB_data_nl,
  nB=out_img_RGB_data_nb,OFFSET=0,DEF_BANDS=out_img_RGB_data_def_bands,$
      PIXEL_SIZE=ch01_fname_ps,
MAP_INFO=ch01_map_info_create,
DEF_STRETCH=out_img_RGB_data_scaledBand_stretch,$
      BNAMES=out_img_RGB_data_band_names, OUT_NAME=path
```

```
+out_img_RGB_data_name, R_FID=out_img_RGB_data_r_fid ;  
ENVI_FILE_QUERY, out_img_RGB_data_r_fid, DIMS=out_img_RGB_data_dims
```

```
out_img_RGB_data_tiff_name='test_equaliz_'+orig_fname+'.tif'  
out_img_RGB_data_pos=[0, 1, 2]
```

```
ENVI_OUTPUT_TO_EXTERNAL_FORMAT, FID=out_img_RGB_data_r_fid,  
DIMS=out_img_RGB_data_dims, POS=out_img_RGB_data_pos, OUT_NAME=path  
+out_img_RGB_data_tiff_name, OUT_BNAME=out_img_RGB_data_band_names,/  
TIFF
```

My problem is that even if as FID I'm passing the FID of the stretched image (out_img_RGB_data_r_fid) to be saved as tiff, I found that the tiff image is the one obtained with the layer stacking and not the stretched one!!
could anyone please help me??

thanks
