
Subject: Writing BIG RGB GEOTIFF

Posted by [Leonardo R. Sbaraini](#) on Thu, 19 Mar 2009 14:08:48 GMT

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Hi everyone,

I have 3 geoSRF images and I want to use them to create a RGB geoTIFF. I can create it using ENVI diaplay bands and menus but I need to make a automatic program to do it.

I had success:

- 1) Creating big RGB TIFF from 3 SRF
- 2) Creating big geoTIFF from one SRF

After envi RGB geoTIFF generated from menus I read each label in file to know which geo label is needed and added them in my class that creates properly a RGB TIFF. No success, linux gimp or xv cant open it.

GEO labels needed: ModelTiepointTag, ModelPixelScaleTag, GeoKeyDirectoryTag

I tried the code below and had no sucess:

```
; =====
width = 10L
height= 10L
dataR = 100*sin(findgen(width,height)/(width*height))
dataR = bytscl(dataR, 0, max(dataR))
data = bytarr(width, height, 3)

write_tiff, strTiffFileName, dataR, BITS_PER_SAMPLE = 8,  $
    COMPRESSION = 0,  $
    PLANARCONFIG = 2,  $
    RED  = data[*,*,0],  $
    GREEN = data[*,*,1],  $
    BLUE = data[*,*,2]

dataR = dataR + 100b
data[*,*,0] = dataR
data[*,*,1] = dataR + 100b
data[*,*,2] = dataR + 200b

write_tiff, strTiffFileName, dataR, BITS_PER_SAMPLE = 8,  $
    COMPRESSION = 0,  $
    PLANARCONFIG = 2,  $
    RED  = data[*,*,0],  $
```

```
GREEN = data[*,*,1],    $  
BLUE  = data[*,*,2],    $  
/APPEND
```

```
; =====
```

---> Is there a way to append data using write_tiff and create a
geoTIFF colored ?

---> someone have the code of write_tiff ?
