
Subject: warp image

Posted by [ventura.bartolomeo](#) on Wed, 06 Jun 2007 15:14:40 GMT

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

I'm trying to warp a .png radar image obtained from a SAR image on another warped image used as background (jpg file).

Because the background and png file have to be warped in a different way I use two different MAP_SET commands for the background and for the .png image

The result I would like to obtain is the image you can find here (my .png file is the one at the bottom right):

<http://saturn.jpl.nasa.gov/multimedia/images/image-details.cfm?imageID=2097>

or

<http://photojournal.jpl.nasa.gov/catalog/PIA08099>

I take the limit (in red) for the png image from the header file of the SAR image (not in standard graphics file formats) where the only pixel information is the backscattering coefficient. To have informations about latitude and longitude for each pixel I have to download two other images (backplanes) which have the same dimension of this SAR image.

```
CENTER_LATITUDE      = 0.000000 <deg>
CENTER_LONGITUDE     = 0.000000 <deg>
REFERENCE_LATITUDE   = -66.782885 <deg>
REFERENCE_LONGITUDE  = 307.815225 <deg>
LINE_FIRST_PIXEL     = 1
LINE_LAST_PIXEL      = 13312
SAMPLE_FIRST_PIXEL   = 1
SAMPLE_LAST_PIXEL    = 2816
MAP_PROJECTION_ROTATION = 90.0
MAP_RESOLUTION       = 256.0 <pix/deg>
MAP_SCALE            = 0.17555558 <km/pix>
MAXIMUM_LATITUDE     = -24.90749741 <deg>
MINIMUM_LATITUDE     = -75.45083618 <deg>
EASTERNMOST_LONGITUDE = 329.64804077 <deg>
WESTERNMOST_LONGITUDE = 31.00485229 <deg>
```

Using these limit in the MAP_SET command my .png image still continues to be "horizontal" and not warped like the image from the web and the background is completely covered when the .png image is displayed.

I have tried to follow

http://www.dfanning.com/tips/map_image.html

but without success :(

Could someone please tell me what I'm doing wrong?

thank you,

Bartolo
