
Subject: Re: Batch ENVI Resize Data (Spatial/Spectral)

Posted by [titan](#) on Mon, 07 Jun 2010 14:52:21 GMT

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

On Jun 4, 8:31 pm, Chris Jengo <cje...@gmail.com> wrote:

- > To subset using map coordinates, you first need to convert your map
- > coordinates into pixel coordinates for the image of interest. Create
- > an array containing the lat/lon coordinates for a box containing Italy
- > (or whatever map subset you want), and push these through
- > ENVI_CONVERT_FILE_COORDINATES to retrieve their respective pixel
- > coordinates. Then construct your DIMS vector to RESIZE_DOIT by
- > finding the min and max boundaries of the returned vertices (in pixel
- > coordinates) that form a polygon.

Maybe I found another way:

;; Matrix test

```
asc_proj=ENVI_GET_PROJECTION(FID=asc_r_fid,PIXEL_SIZE=asc_ps )
```

```
italy=asc_img[715:768,72:123]
```

```
italy_r_fact=[0.041397525,0.040697525]
```

```
output_pixel_size=[1000.000, 1000.000]
```

```
mc_italy_proj=[0.0D,0.0D,589086.84,5564990.5]
```

```
output_italy_proj = ENVI_MAP_INFO_CREATE(PROJ=asc_proj,
```

```
PS=output_pixel_size, MC=mc_italy_proj)
```

;; Enter the subset of Italy

```
ENVI_ENTER_DATA,
```

```
italy,MAP_INFO=output_italy_proj,PIXEL_SIZE=output_pixel_size,$
```

```
BNAMES='Italy_file',R_FID=italy_r_fid
```

```
ENVI_FILE_QUERY,italy_r_fid,DIMS=italy_res_data_dims
```

; Resize_doit it in order to see it bigger

```
ENVI_DOIT, 'RESIZE_DOIT', FID=italy_r_fid, DIMS=italy_res_data_dims,
```

```
POS=0,$
```

```
INTERP=0, RFACT=italy_r_fact,
```

```
OUT_BNAME='Italy',/IN_MEMORY, R_FID=italy_resize_r_fid
```

```
ENVI_FILE_QUERY,italy_resize_r_fid,DIMS=italy_resize_dims,
```

```
NS=italy_resize_ns, NL=italy_resize_nl, NB=italy_resize_nb
```

```
;;-----
```

so the trick was in the RFACT value!! setting the proper value I can start from the 54x52 image and then I get the 1304x1278 image

It seems correct to me also comparing the result with the file that I get manually..

What do you think?

PS In any case thanks for your support!!
