
Subject: Re: subset an image by coordinates

Posted by [Alvaro Paredes L.](#) on Tue, 22 Sep 2009 15:40:36 GMT

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On 21 sep, 17:58, pp <pp.pente...@gmail.com> wrote:

> On Sep 20, 2:00 pm, "Alvaro Paredes L." <alvaropared...@gmail.com>

> wrote:

>

>> ; define the image to be opened

>> img_file='F:\IMAGE\NDVI-HDF\try\NDVI_2008_03_02.img'

> ...

>> image=img_file[XF,YF]

>

> Are you trying to subscript the file name? Trying to have a

> conversation with an address (<http://groups.google.com/group/>

> comp.lang.idl-pvwave/msg/b0859e67a0ff6d51)?

Well, thank you very much... I finally found my mother and talked to her :-)

As I say before, sometimes it's hard to understand how a program works, specially if you aren't a programmer (this was a nooby mistake...). There is only one problem with the output coordinates data (0.0 on the subset, has the same coordinates that 0.0 in the original image), but i hope i can fix it soon. Anyway, any help is welcome.

The finally routine is this:

```
forward_function ENVI_CONVERT_FILE_COORDINATES
```

```
pro SUBSET
```

```
envi, /restore_base_save_files
```

```
envi_batch_init,log_file='batch.txt'
```

```
; define the image to be opened
```

```
img_file='F:\IMAGE\NDVI-HDF\try\NDVI_2008_03_02.img'
```

```
envi_open_file,img_file,r_fid=fid
```

```
if (fid eq -1) then begin
```

```
    envi_batch_exit
```

```
    return
```

```
endif
```

```
XMap=[-71.0580916, -70.5006694]
```

```
YMap=[-32.6030694, -32.9797194]
```

```
ENVI_CONVERT_FILE_COORDINATES, FID, XF, YF, XMap, YMap
```

```
XF=ROUND(XF)
```

```
YF=ROUND(YF)
```

```
envi_file_query, fid, DIMS=DIMS, NB=NB, NL=NL, NS=NS  
pos = lindgen(nb)
```

```
image=fltarr(NS, NL, NB)  
FOR i=0, NB-1 DO BEGIN  
image[*,*,i]= envi_get_data(fid=fid, dims=dims, pos=pos[i])  
endfor
```

```
imagen= image[XF[0]:XF[1],YF[0]:YF[1]]
```

```
nl2=YF[1]-YF[0]  
ns2=XF[1]-XF[0]
```

```
map_info=envi_get_map_info(fid=fid)
```

```
envi_write_envi_file, imagen, data_type=4, $  
descrip = 'testing', $  
map_info = map_info, $  
nl=nl2, ns=ns2, nb=nb, r_fid=r_fid, $  
OUT_NAME = 'F:\IMAGE\NDVI-HDF\try\trying.hdf'
```

```
; Exit Envi  
envi_batch_exit  
end
```

Thanks again to everyone who helped me! :)
