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Subject: Re: problem with spatial subset

Posted by [Jean H.](#) on Mon, 24 Mar 2008 17:11:39 GMT

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negra wrote:

> Hello all!

>

> Could anybody help me with spatial subsetting one image by another in  
> idl. It's easy in Envi, but I must process a large number of files.

>

> Thanks!

> Gulshat

> \*\*\* Sent From/Enviado desde: <http://groups.expo.st> \*\*\*

>

>

Hi,

you can follow these steps in IDL:

get access to ENVI's functions: `envi, /restore_base_save_files`  
`envi_batch_init`

Open your mask image: `ENVI_OPEN_FILE`

Get the map information: `ENVI_GET_MAP_INFO`

Extract the corners coordinates from the map info.

Open your image to subset

get the data of the image to subset: `read_binary`

change the mask coordinates to the image coordinates (geographical

coords to column/row coordinates): `ENVI_CONVERT_FILE_COORDINATES`

Now subset the image: `sub = image[x[0]:x[1],y[0]:y[1]]`

Save the data: `ENVI_WRITE_ENVI_FILE` (you might want to do a  
`envi_file_query` on the mask image AND on the original image to get the  
proper header values)

Jean

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