
Subject: problem with spatial subset
Posted by [chemsat](#) on Fri, 21 Mar 2008 15:19:56 GMT
[View Forum Message](#) <> [Reply to Message](#)

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> ***

Subject: Re: problem with spatial subset
Posted by [Jean H.](#) on Mon, 24 Mar 2008 17:11:39 GMT
[View Forum Message](#) <> [Reply to Message](#)

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
