
Subject: problem with spatial subset
Posted by [chemsat](#) on Fri, 21 Mar 2008 14:41:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello all

I have a big problem with writing script for spatial subsetting one image by another in idl. It's easy to do in ENVI. But I must process a large number of images. Could anybody help me with example.

Thanks!
Gulshat

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

Subject: Re: problem with spatial subset
Posted by [negra](#) on Wed, 26 Mar 2008 17:08:41 GMT
[View Forum Message](#) <> [Reply to Message](#)

> negra wrote:
>> Hello all!
>
>> Could anybody help me withspatialsubsetting 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 tosubset
> get the data of the image tosubset: read_binary
> change the mask coordinates to the image coordinates (geographical
> coords to column/row coordinates): ENVI_CONVERT_FILE_COORDINATES
> Nowsubsetthe 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

Thanks, I shall try to realize it. But I don't know still how to
> Extract the corners coordinates from the map info.

Gulshat
