Subject: Re: image cut by a shapefile
Posted by Jean H. on Tue, 16 Oct 2007 16:42:36 GMT
View Forum Message <> Reply to Message

krastoboy@gmail.com wrote:

> Dear all,
> I'm a novice in IDL, not sure if my questions are totally improper.
> 1_I got a shape file made by some points.
> 2_I would like to cut an image (geotiff) in smoller (ex: 1000X1000
> pixeles) parts.
> 3_Each point of the shape file should be the center the new images.
>
> I don't know how figure it out.
> Consider that I wuold like to find an automatic way: I have to work on
> a set of different geotiff images, each one related to a different
> shape file.
>
> Thank you in advance,
> Lorenzo

This week favorite function is undoubtly envi_convert_file_coordinates,
if you have access to Envi!

1)open your shape file
2)get the coordinates (let's say, lat-long) of each point in an array
3)open your image to gets its FID
4)call envi_convert_file_coordinates, fid, X,Y, lat,long (with NO
keyword), which will change your lat-long to the corresponding pixel
row and column on your image
5) subset your image   smallImage = image[X-1000:X+1000; Y-1000:Y+1000]

Jean