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Subject: converting map projections in IDL and ENVI  
Posted by [PieterBeck](#) on Wed, 17 Nov 2004 17:22:48 GMT  
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Dear forum users,  
I want to convert the projection of georeferenced images whereby I specify the coordinates of the upper left pixel in the resulting image (so the pixel exactly match other georeferenced images I have). The ENVI GUI convert map projection function allows for this. However I need to use IDL commands. Unfortunately, the `envi_convert_file_map_projection` doesn't allow me to specify the coordinates of the upper left pixel in the result image, as far I can tell. Any suggestions for doing it anyway?

Thank you in advance,  
Pieter Beck

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Subject: Re: converting map projections in IDL and ENVI  
Posted by [btt](#) on Fri, 19 Nov 2004 21:22:22 GMT  
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PieterBeck wrote:

> Dear forum users,  
> I want to convert the projection of georeferenced images whereby I specify  
> the coordinates of the upper left pixel in the resulting image (so the  
> pixel exactly match other georeferenced images I have). The ENVI GUI  
> convert map projection function allows for this. However I need to use  
> IDL commands. Unfortunately, the `envi_convert_file_map_projection` doesn't  
> allow me to specify the coordinates of the upper left pixel in the result  
> image, as far I can tell. Any suggestions for doing it anyway?  
>

Hello,

There are a number of map projection routines in IDL, but it is not clear to me how they could help you out. It would be helpful if you spell out...

What the coordinates of the pixel are in ... lon lat ?

What is the destination coordinate?

Perhaps you could give some example data for the coordinates.

Ben

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Subject: Re: converting map projections in IDL and ENVI

Posted by [enod](#) on Sat, 20 Nov 2004 15:27:17 GMT

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There is no need to specify the upper-left pixel coordinates in the projection conversion process. Only when you import a registered image and the map information is not read successfully, you should specify the projection and map information manually.

Tian

PieterBeck wrote:

- > Dear forum users,
- > I want to convert the projection of georeferenced images whereby I specify
- > the coordinates of the upper left pixel in the resulting image (so the
- > pixel exactly match other georeferenced images I have). The ENVI GUI
- > convert map projection function allows for this. However I need to use
- > IDL commands. Unfortunately, the `envi_convert_file_map_projection` doesn't
- > allow me to specify the coordinates of the upper left pixel in the result
- > image, as far I can tell. Any suggestions for doing it anyway?
- >
- > Thank you in advance,
- > Pieter Beck
- > University of Tromsø

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