
Subject: Re: MAP_CONTINENTS with MAP_PROJ_INIT created !Map
Posted by [David Fanning](#) on Wed, 19 Nov 2008 16:41:28 GMT
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mike.otepka@gmail.com writes:

```
> Here's what I know how to do w.r.t. mapping continents onto an image
> (i.e. using MAP_SET):
>
> IDL> window,/f,xs=<xdim>,ys=<ydim>
> IDL> map_set,ctrlat,ctrlon,/projection_name,/noborder,/horiz, $
>           xmargin=[0,0],ymargin=[0,0],limit=
> [latmin,lonmin,latmax,lonmax]
> IDL> tv, image
> IDL> map_continents
>
>
>
> Is there a way to do this using MAP_PROJ_INIT to create my !Map
> variable rather than MAP_SET?
> Here's what I've got so far:
>
> IDL> map = map_proj_init(projection_name, $
>           limit=[latmin,lonmin,latmax,lonmax], $
>           center_latitude =ctrlat, $
>           center_longitude=ctrlon,
> $
>           /GCTP)
>
> (Yeah, I know, not much.)
>
> According to IDL Help, MAP_PROJ_FORWARD or MAP_PROJ_INVERSE need to
> come into play but I don't really see how.
```

Oh, dear.

Well, I assume from this sketchy portrait that you have an image that is already in a map projection, and you wish to associate a map data coordinate system with it. Is that correct?

If so, you may be interested in this article, which will explain how I use the MAP_PROJ* routines to do that:

http://www.dfanning.com/map_tips/precipmap.html

Of course, the method outlined in that article is not *exactly* right, but it does point you (at the end of the article) to the exact right solution. This is all going to be quite a bit more

complicated than what you are used to. Hope you are up for it. :-)

Cheers,

David

--

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
