Subject: Re: MAP_CONTINENTS with MAP_PROJ_INIT created !Map Posted by David Fanning on Wed, 19 Nov 2008 16:41:28 GMT

View Forum Message <> Reply to Message

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 guite a bit more

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

Cheers,

David

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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