
Subject: Re: Map Projection Doom and Gloom
Posted by [R.G. Stockwell](#) on Sat, 30 May 2009 18:22:12 GMT
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"David Fanning" <news@dfanning.com> wrote in message
news:MPG.248b0b41b41ca1f498a6ca@news.giganews.com...

...
> Here is the crux of my advice: If you are going to use
> a map structure for *ANYTHING* (and I really do mean
> *ANYTHING*!!), then be absolutely sure you execute
> the MAP_PROJ_INIT command *IMMEDIATELY* prior to using
> the friggin' thing!

...

sounds scary.

I call map_proj_init then the call window, and then immediately call

```
IDL> mapStruct = MAP_PROJ_INIT(117,  
LIMIT=[-90,-180,90,180],CENTER_LONGITUDE=0)  
IDL> window,xsize = 1000,ysize = 500  
IDL> PLOT, mapStruct.uv_box[[0,2]],mapStruct.uv_box[[1,3],/nodata
```

but then I do a lot of calculations, drawing polygons etc,
and finally call the map_continents to overlay those lines.

```
IDL> result = MAP_PROJ_FORWARD(lon,lat,map_structure = mapstruct)  
IDL> MAP_CONTINENTS, /hi,MAP_STRUCTURE = mapstruct,/coasts,/countries,/usa
```

Am I in hell, and not noticing? :)

what is the problem you are finding?

cheers,
bob