
Subject: map projection

Posted by [xiao zhang](#) on Mon, 22 Sep 2008 17:18:41 GMT

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Does any one have good ideas about adjusting the same map projection from C to IDL?

I have a 800*800 in Polar Stereographic in C and trying to adjust it in to IDL, but always cannot find the perfect match. :(Thank you

Subject: Re: map projection

Posted by [David Fanning](#) on Mon, 22 Sep 2008 17:25:26 GMT

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xiao writes:

> Does any one have good ideas about adjusting the same map projection
> from C to IDL?
> I have a 800*800 in Polar Stereographic in C and trying to adjust it
> in to IDL, but always cannot find the perfect match. :(

Should be no problem with this if you are using
the MAP_PROJ_**** routines. We do this routinely
here.

Cheers,

David

--

David Fanning, Ph.D.

Coyote's Guide to IDL Programming (www.dfanning.com)

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

Subject: Re: map projection

Posted by [xiao zhang](#) on Tue, 23 Sep 2008 01:13:14 GMT

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On Sep 22, 12:25 pm, David Fanning <n...@dfanning.com> wrote:

> xiao writes:
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> David
>
> --
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> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks David. but i still got a question, what is the difference
between these lines:

```
map=MAP_PROJ_INIT('Cylindrical',center_longitude=117.5,center_latitude=-32.5,limit=[lat_min,lon_min,lat_max,lon_max])
r= MAP_PROJ_FORWARD([lon_min,lon_max],[lat_min,lat_max],/fill,MAP_STRUCTURE=map)
result=map_proj_image(a1,[lon_min,lat_min,lon_max,lat_max],MAP_STRUCTURE=map, missing=0)
MAP_GRID,/label,linestyle=0, map_structure=map,color=FSC_Color('Blue'),GLINETHICK=2,CHARSIZE=2,charthick=2
```

```
MAP_CONTINENTS,/HIRES,map_structure=map,color=FSC_Color('Blue'),MLINETHICK=2
```

And

```
Map_set,/continent,/grid,/noerase,limit=[lat_min,lon_min,lat_max,lon_max],$charsize = 1.5,COLOR=0,/LABEL,con_color=TrueClrInx(2),xmargin = [5,5],ymargin = [4,4]
```

I think they should be same, but why they have a such different image?
Thanks :)
