
Subject: A question about map projection

Posted by [xiao zhang](#) on Mon, 18 Aug 2008 00:30:46 GMT

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Hi~ All ~ I am trying to a image in Polar Stereographic projection but it is not in the right position. My code is like this: And when I tried to change the values of lat_min, lon_min ,lat_max and lon_max, it does not help much. And I think i have to rotate the map or the data with some angle. How can I full that ?

Thank you very much~

```
lat_min=-35.3
```

```
lat_max=-26.5
```

```
lon_min=114.25
```

```
lon_max=122.45
```

```
;define the max and min latitude and longitude of the data area
```

```
map=MAP_PROJ_INIT('Polar Stereographic',/
```

```
GCTP,center_longitude=118.35,center_latitude=-30.9,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)
```

```
;apply the Polar Stereographic projection
```

```
result=map_proj_image(a1,
```

```
[lon_min,lat_min,lon_max,lat_max],MAP_STRUCTURE=map, missing=0)
```

```
;display the data to the map
```

```
pos = [0.05, 0.05, 0.95, 0.95]
```

```
tvimage,result, position=pos,/KEEP_ASPECT,/tv,order=1
```

```
Plot, [r[0,0],r[0,1]], [r[1,0], r[1,1]], Position=pos,/Nodata,
```

```
XStyle=5, YStyle=5, /NoErase
```

```
MAP_GRID,/label,linestyle=0, map_structure=map,
```

```
color=FSC_Color('Blue'),GLINETHICK=2,CHARSIZE=2,charthick=2
```

```
; Draw gridlines over the map
```

```
MAP_CONTINENTS, map_structure=map,
```

```
color=FSC_Color('Blue'),MLINETHICK=2
```

```
; Draw continent outlines:
```
