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Subject: map\_proj\_init

Posted by [marit](#) on Sat, 07 Apr 2007 22:09:48 GMT

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Has anyone run into the problem that subsequent calls to map\_proj\_init using a GCTP projection interfere with previously defined maps? Here is an example:

```
south_proj=MAP_PROJ_INIT('Polar Stereographic' ,/GCTP ,$
    semimajor_axis=6378273.0,semiminor_axis=6356889.4,$
    center_lon=0,center_lat=-70.0,false_easting=0,false_northing =0)

print,map_proj_forward([0,0],[-90.0,-89.0],map_structure=sou th_proj)
0.0000000    0.0000000
0.0000000    108332.24

north_proj=MAP_PROJ_INIT('Polar Stereographic' ,/GCTP ,$
    semimajor_axis=6378273.0,semiminor_axis=6356889.4,$
    center_lon=0,center_lat=70.0,false_easting=0,false_northing= 0)

print,map_proj_forward([0,0],[-90.0,-89.0],map_structure=sou th_proj)
0.0000000 -2.0002841e+23
0.0000000 -1.4035070e+09
```

I haven't yet seen this occur if the second projection is an IDL projection; however the IDL projections are not usually useful since they can't be set up like a normal projections with false easting and false northing and they are mostly spherical not ellipsoidal.

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