
Subject: map_set in idl 5

Posted by [Torben Schmith](#) on Mon, 30 Mar 1998 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

I have discovered an error in the idl-5.0.3 version of map_set when using Lambert projection. The map is clipped in the horizontal direction and the outermost latitude-circl interrupted. When '/noborder' is omitted evrything is perfect. Also in idl 4 evrything works ok.

And here comes a test program illustrating the probling

; define plotting environment

```
type = 'x'
if ( type eq 'x') then begin
  set_plot,'x'
  device, retain=2
  window,0,xsize=800,ysize=800
endif
```

```
if ( type eq 'ps' ) then begin
  set_plot,'ps'
  device, filename="/home/tsc/tmp/plot.ps", $
    /portrait, bits=24, xsize=20,ysize=26, xoffset=1.0,yoffset=1.0,
$
  font_size=12
endif
```

loadct, 0

```
p0lat = 90.
p0lon = 0.
rot  = 0.
```

; define sub-area

```
alat_s  = 30.
alat_n  = 90.
alon_w  = -180.
alon_e  = 180.
```

; plot

```
!p.multi = [0,1,1]
map_set, p0lat, p0lon, rot, /lamb, /isotropic, $
```

```
/noborder, /advance, $  
limit = [alat_s, alon_w, alat_n, alon_e], $  
xmargin=[3,3], ymargin=[3,3], $  
title= 'Test'
```

```
map_continents, /coasts  
map_grid, latdel=30, lonel=90, $  
glinestyle=0, glinethick=1
```

```
;exit
```

```
if ( type eq 'ps' ) then begin  
    device, /close  
endif
```

```
end
```

```
*****
```

```
--
```

```
***** *****
```

Torben Schmith
Danish Meteorological Institute
Meteorological and Oceanographic Research Division
Lyngbyvej 100
DK-2100 Copenhagen
DENMARK

Phone: +45 39 15 75 00

Direct: +45 39 15 74 44

Fax: +45 39 15 74 60

E-mail: tsc@dmu.dk

```
***** *****
```