
Subject: Simple CG Map w/ color

Posted by [Leslie Moy](#) on Fri, 12 Aug 2011 14:40:25 GMT

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Okay first time posting to this board. Here goes...

I use CG ALL the time now to do simple plots and find getting a clean output sooo much nicer than standard IDL, so i thought there should be a way to do a simple colored map output with CG. But the examples in the book seem to about contours on top of a map, not coloring a spot on the map.

I'd appreciate any help.

Here's what i use now, and i keep getting all Black (grrrr!).

```
;---- set Z buffer ----
set_plot,'Z'
device,set_resolution=map_dim

; get colors
loadct, 40
TVLCT, r, g, b, /get

; Load White Color - 0 for background
r(0)=255 & g(0)=255 & b(0)=255
drawColor = 255
; Load Black Color - 255
r(255)=0 & g(255)=0 & b(255)=0

; map 'emiss' (720,1440), first, make it a vector
lats=reform(lat,1036800)
lons=reform(lon,1036800)
emis=reform(emiss,1036800)

; set up the map
map_set, /cyl, limit=[-90,0,90,360], position=[0.05,0.125,0.95,0.95],$
color=drawColor, charsize=0.8, /NOBORDER
; - if i stop after this line, i get an all WHITE .png

;-- plot fov symbol one by one ----
FOR iprof=0L,nrec-1L DO BEGIN
  y=emis(iprof)
  indcol=0L
  xind=(float(y)/float(1))*nc + 1
  indcol=long(xind) > 1L < nc
  xcenter = lons(iprof)
  ycenter = lats(iprof)
  xxxx = [ xcenter-0.12, xcenter+0.12, xcenter+0.12, xcenter-0.12 ]
```

```
      yyyy = [ ycenter-0.12, ycenter-0.12, ycenter+0.12, ycenter+0.12 ]  
      POLYFILL, xxxx, yyyy, color=indcol  
; i get reasonable xxxx,yyyy, and indcol ranges between 0 & ~233  
ENDFOR  
  
map_continents,/continents,/noborder,/hires,/usa  
  
; output  
write_png, 'test.png', TVRD(), r, g, b  
device,/close
```
