
Subject: Re: plot

Posted by [Andy Loughe](#) on Fri, 10 Jan 1997 08:00:00 GMT

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Mark A. Collier wrote:

>
> Hi there,
>
> IDL is new to me. Recently I tried to generate a filled contour plot
> with labels on southern hemisphere by using map_set and contour

<snip>

Try this sample code...

```
data = dist(46)          ; create data
lons = indgen(46)*8.      ; longitudes
lats = indgen(46)*4 - 90. ; latitudes
colors = indgen(25)+161   ; or whatever works for your color table
```

```
y1 = total(where(lats eq min(lats))) ; SH point
y2 = max(where(lats le 0))           ; Nearest-Equatorial point
```

```
map_set, -90, 0, 0, /stereo, limit=[-90,-180,0,180], /iso
contour, data(*,y1:y2), lons, lats(y1:y2), nlevels=25, /follow, /over
contour, data(*,y1:y2), lons, lats(y1:y2), nlevels=25, c_colors=colors,
$
    /cell_fill, /over
map_continents
map_grid, latdel=30, lonel=30, glinethick=1, lonlab=0
```

This is not a "perfect" plot, but those are VERY HARD to come by using IDL mapping routines and with the cheesy contour program they provide. Very unlike NCAR Graphics, at at 10 times the price!! What a bargain. ;-(

Analysis? Yes.
Visualization? Maybe.

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Boulder, CO 80309-0449 | "If you are going to be blue, be bright blue!"
