
Subject: Re: Multiple plot with mapCoord

Posted by [morganlsilverman](#) on Wed, 02 Jul 2014 18:15:50 GMT

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On Wednesday, July 2, 2014 1:58:16 PM UTC-4, David Fanning wrote:

> Morgan Silverman writes:

>

>

>

>> I'm struggling to create a 6 panel multiple graph plot. I started trying to use !P.Multi=[3,3,1] and tried to follow these suggestions https://www.idlcoyote.com/tips/oplot_pmulti.html since I need to put several lines of data on each graph separately. I have a map background for each plot that I've created using

>

>>

>

>> mapCoord = Obj_New('cgmap', 'Stereographic', Ellipsoid='WGS 84', Limit=limit, \$

>

>> center_lat=centerlat, center_lon=centerlon, position=pp)

>

>> mapCoord -> Draw

>

>> cgMap_Grid, map=mapCoord, /box

>

>> cgMap_Continents, map=mapCoord, /continents, /countries, /usa, /advance

>

>> cgplots, Avg2000Lon, Avg2000Lat, map=mapCoord, color='blue', thick=4

>

>> p1 = !P & x1 = !X & y1 = !Y

>

>>

>

>> I'm hoping someone can give me some guidance because what I'm doing is not working. Thank you.

>

>

>

> Yes, I can see that. If you are trying to get your six plots in three

>

> columns and two rows, you might try setting up !P.Multi=[0,3,2].

>

>

>

> Does that help?

>

>

>

> Cheers,

```

>
>
>
> David
>
>
>
>
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

```

Well that made it the correct number of panels but the graphs continue to flash across the screen over and over until I'm left with a pieces of the graph in scattered locations (i.e. map in one corner, grid in another, data in another). I also tried to use cgWindow and wMulti since that's what I was originally using but get the same problem with the the graphs flashing across the screen for several seconds. In an unrelated question, I also get this error message when using cgWindow and mapCoord CGCOORD::DRAW: Received unexpected keywords.

```

** Structure <1fca1968>, 1 tags, length=2, data length=2, refs=1:
  ADDCMD      INT      1

```

Thanks,
Morgan

My cgWindow code is...

```

loadct, 33
pp=[0.1,0.1,0.95,0.90]
lonmin = -125
lonmax = -65
latmin = 25
latmax = 60
centerlon = (lonmax-lonmin)/2.0 + lonmin
centerlat = (latmax-latmin)/2.0 + latmin
limit = [latmin, lonmin, latmax, lonmax]
xrange = [lonmin, lonmax]
yrange = [latmin, latmax]

```

```

mapCoord = Obj_New('cgmap', 'Stereographic', Ellipsoid='WGS 84', Limit=limit, $
  center_lat=centerlat, center_lon=centerlon, position=pp, /AddCmd)
mapCoord -> Draw, /AddCmd
cgMap_Grid, map=mapCoord, /box, /AddCmd

```

```
cgMap_Continents, map=mapCoord, /continents, /countries, /usa, /AddCmd
```

```
cgControl, Multi=[0,3,2]
wids = cgQuery(Title=titles, Count=count)
if (count ne 0) then begin
  windex=where(titles eq 'Plot_DAQ_Trajectories', tcnt)
endif else tcnt = 0
if (tcnt eq 0) then begin
  cgWindow, wtitle='Plot_DAQ_Trajectories', wxsize=800, wysize=800
endif else begin
  cgSet, wids[windex[0]]
endelse
cgControl, Execute=0
```

```
ShoreData = './gshhs/gshhs_h.b'
cgplots, Avg2000Lon, Avg2000Lat, map=mapCoord, color='blue', thick=4, WMulti=[0,2,3],
/AddCmd
cgControl, Execute=1
```
