## Subject: Re: Multiple plot with mapCoord Posted by morganisilverman on Wed, 02 Jul 2014 18:15:50 GMT View Forum Message <> Reply to Message

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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=centarlat, 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
> David > David Fanning, Ph.D.
> Tanning 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 cqWindow 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]
vrange = [latmin, latmax]
mapCoord = Obj_New('cgmap', 'Stereographic', Ellipsoid='WGS 84', Limit=limit, $
 center_lat=centarlat, 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
```