Subject: Overplot cgplots in graphics window
Posted by morganlsilverman on Mon, 28 Oct 2013 15:00:21 GMT
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Hello,

I have several data sets of trajectories that I want to plot together in one graphics window. I am able to rerun the code and have it overplot in the display window but I'm not able to save that. I've tried creating a resizable graphics window but because the cgplots commands are in a loop, IDL continually displays new graphics windows and then crashes. Is there a way that I can rerun my code with a new data set each time and overplot on the same map and then save the graphic without having to just copy and paste my code 3x in the same program? I've included the basis of my plotting. All datasets have the same variable names and I'd like to not make my code gigantic by specifying each separately. Thanks.

Sincerely,
Morgan

```
; Set up map projection
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
for j=0,n_elements(index)-1 do begin
  if (j eq 0 and loc(0) eq 72) then begin
    start = 0
    stops = loc(j)
  endif else begin
  if (j eq 0 and loc(0) ne 72) then begin
    start = flightloc(index(j)-1)+1
    stops = loc(j)
  endif else begin
    start = loc(j-1)+1
    stops = loc(j)
  endelse
  endelse
  cgplots, Avg2000Lon, Avg2000Lat, map=mapCoord, color='blue',/window
  cgplots, Avg2500Lon, Avg2500Lat, map=mapCoord, color='green',/window
  cgplots, Avg3000Lon, Avg3000Lat, map=mapCoord, color='cyan',/window
  cgplots, Avg3500Lon, Avg3500Lat, map=mapCoord, color='magenta',/window
  al_legend,['1500 m', '2000 m', '2500 m', '3000 m', '3500 m'], linestyle=[0,0,0,0,0], $
    color=['red', 'blue', 'green', 'cyan', 'magenta'], /left, charsize=0.9
  cgtext, 0.5*total(!x.window), !y.window[1]+2.5*!d.y_ch_size/!d.y_vsize,'Flight 5 07/11/11 ',
/normal,align=0.5
endfor
```