
Subject: Data points off plot when limit xrange

Posted by [morganlsilverman](#) on Wed, 15 May 2013 14:12:02 GMT

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Hello,

I am plotting a 2D dataset using cgplot and cgplots. When I limit the xrange to [-150,150] I end up with data points plotted outside the axis bounds of my plot. I realize that I'm cutting off some of the data but my interest is in the data surrounding 0, not the outliers. How do I limit the xrange so that those outlier datapoint outside of the range not to plot outside of my axis? Thank you.

```
altrange = [0,2500]
ribrange = [-150,150]
```

```
cgplot, ribrange, altrange, /noerase, xstyle=1,ystyle=1,Position=[0.1,0.1,0.85,0.95], $
  xrange=xrange, yrange=yrange, /nodata
for m=0,n_elements(Airport)-1 do begin
  profile = Airport(m)
  legendItem1 = Obj_New('cgLegendItem', Color=strtrim(colors(m),2), Location=[0.86, y], $
    Title=flight(profile), /Hardware, Length=0.0)
  cgoplot, Rib(profile,0:17), alt, /nodata, color=strtrim(colors(m),2), Legends=[legendItem1]
  cgplots, Rib(profile,0:17), alt, psym=2, color=strtrim(colors(m),2)
  Obj_Destroy, [legendItem1], legendItem2, legendItem3]
  y=y+0.03
endfor
```

Sincerely,
Morgan
