
Subject: Re: help with clipping in IDL V3.0
Posted by [sterner](#) on Thu, 08 Dec 1994 17:37:50 GMT
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stpat@lepvax.gsfc.nasa.gov (Patti Twigg) writes:

> Hi! I am trying to get my program to ignore any points outside
> of the plot window, but based on my reading of the manual,
> this seems to be impossible - there seems to be only 2 choices:
> 1) clip plot to axis, where point outside is joined to first
> point inside starting at the axis, and 2) point outside is
> joined with line extending beyond the axis. I hope maybe I
> missed something in the manual - is there any way to get
> the plot to ignore points outside the axes?? (In Version 1.0,
> there was an option to do this, called IGNORE).

Normal IDL plots are clipped correctly with no problem.
To see this generate some data:

```
a=findgen(50)*144/!radeg
r=findgen(50)*10
x=r*cos(a)
y=r*sin(a)
plot,x,y,xran=[-200,200],yran=[-200,200]
```

What may be confusing is that PLOTS, unlike PLOT, does not
by default clip to the plot window. To see this:

```
erase
plots, x, y
```

Setting the NOCLIP keyword to 0, NOCLIP=0, enables clipping
(you might expect to do /CLIP, but CLIP is used to set the
clipping window (which defaults to the plot window)).

```
erase
plots,x,y,noclip=0
```

Take a loop at the keywords NOCLIP and CLIP.

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