
Subject: IDL 8, log plots and titles

Posted by [b_gom](#) on Tue, 26 Oct 2010 19:03:20 GMT

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Am I missing something, or is IDL 8 fumbling logarithmic y axes and plot titles when using the new plot function?

When plotting log plots, the plot title seems to vanish, and also IDL does not seem to be able to calculate the y range properly. In the sample code below, compare the direct graphics output (which handles the range and title correctly automatically) to the new plot function output which doesn't seem to be able to figure out what I want:

```
-----  
x=findgen(100)/100*3*!pi  
y=sin(x)
```

```
;This is what I expect; yaxis handles infinite log range and title  
appears correctly  
plot,x,y,/ylog,title='Direct Graphics Yrange and Title'
```

```
;Now for the plot function output:
```

```
;title works for linear y axes
```

```
p1=plot(x,y,yrange=[0.1,1],title='Linear Y Axis
```

```
Works',window_title='Linear Y Axis Works')
```

```
;title gone for log plots
```

```
p2=plot(x,y,/ylog,yrange=[0.1,1],title='Title Error Log Y  
Axis',window_title='Title Error Log Y Axis')
```

```
;if you set the yrange, the title appears, but in the wrong place
```

```
p3=plot(x,(y+2)*10,/ylog,yrange=[1,100],title='Title Error Log Y  
Axis',window_title='Title Error Log Y Axis')
```

```
;if you don't set the yrange, the title is gone
```

```
p4=plot(x,(y+2)*10,/ylog,title='Title Error Log Y  
Axis',window_title='Title Error Log Y Axis')
```

```
-----  
  
Any ideas?
```
