Subject: Re: Attempt to call undefined method: 'IDLITSYMBOL::IS3D'
Posted by Mark Piper on Fri, 14 Dec 2012 16:54:35 GMT
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On Thursday, December 13, 2012 7:23:33 AM UTC-7, Paul van Delst wrote:
> Re: the tickmark issue:
>
> In FG when I use [XY]ticklen = 1.0 and [XY]gridstyle=1 *all* the
> tickmarks are gridded, both major and minor. Try:
>
> IDL> p=plot(/test,layout=[1,3,1],$ &
> IDL> yticklen=1.0,ygridstyle=1,$ &
> IDL> xticklen=1.0,xgridstyle=1)
>
> My result:
> http://ftp.emc.ncep.noaa.gov/jcsda/CRTM/.plots/all_ticks_gri dded.png
>
> In DG only the major tickmarks were affected -- which is how the
> documentation describes the behaviour for both FG and DG.
>
> As you can imagine, having all the tickmarks gridded makes for a rather
> busy plot.
>
> Upon further reading of the docs I saw the [XY]subticklen keyword. I
> gave that a try, setting it to 0.05. But the minor tickmarks are *still*
> subject to the [XY]gridstyle keyword (I tend to use [XY]gridstyle=1,
>

> dotted, for this).
>
>
>
> Try:
>
> IDL> p=plot(/test,layout=[1,3,1],$ &
>
> IDL> yticklen=1.0,ygridstyle=1,ysubticklen=0.05,$ &
>
> IDL> xticklen=1.0,xgridstyle=1,xsubticklen=0.05)
>
>
>
> My result:
>
> ftp://ftp.emc.ncep.noaa.gov/jcsda/CRTM/.plots/using_subtickl en.png
>
>
>
> So, as you can see, what I have are uneven length minor tickmarks. And
>
> they are still dotted due the gridstyle keyword.
>
>
>
> What I want is the equivalent of the following DG:
>
> IDL> !p,multi=[0,1,3]
>
> IDL> plot, lindgen(100),$ &
>
> IDL> yticklen=1.0,ygridstyle=1,$ &
>
> IDL> xticklen=1.0,xgridstyle=1
>
>
>
> (Actually, even there I would like the x- and y minor tickmarks to be
>
> the same *absolute*, not relative, length. But, that's a quibble.)
>
>
>
> The FG documentation clearly states that [XY]ticklen = 1.0 is for the
>
> *major* tickmarks only - so that behaviour is a definite bug.
>

> The [XY]gridstyle docs do not explicitly state that only the major ticks
> are affected, but that was the behaviour with DG so I expect that to be
> the behaviour for FG.
>
> You might want to consider adding some examples with these keywords set
> to the "Plot Examples" section of the docs. Maybe I am doing something
> wrong in FG-space, but after reading the docs I have nothing but my
> DG-experience to go by.
>
> cheers,
>
> paulv
>

Hi Paul,

I'll log this tick behavior as a bug. For a temporary (but not really convenient) fix, try using CURRENT to overlay a second plot with the same data ranges:

```
q1 = plot(/test,$
   yticklen=1.0, ygridstyle=1, ysubticklen=0.0, $
   xticklen=1.0, xgridstyle=1, xsubticklen=0.0)
q2 = plot(/test, /nodata, /current)
```

Also, whenever you encounter a bug, please send it to Tech Support (support at exelisvis dot com); it's the best way to get this info to us.

mp