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Subject: Re: Function graphics axis range - how to get it consistently?  
Posted by [chris\\_torrence@NOSPAM](#) on Fri, 28 Feb 2014 19:00:03 GMT  
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On Friday, February 28, 2014 11:34:05 AM UTC-7, Paul van Delst wrote:

> Oh my God, check this out:

>

>

>

> I added print statements before and after the various plot/text calls

>

> like so:

>

>

>

> print, tp[0].YRANGE

>

> c = PLOT( [date\_time[idx[i]],date\_time[idx[i]]], tp[0].YRANGE, \$

>

> XTICKFORMAT='LABEL\_DATE', \$

>

> LINSTYLE='dashed', \$

>

> /OVERPLOT, \$

>

> BUFFER=buffer )

>

> print, tp[0].YRANGE

>

> t = TEXT( date\_time[idx[i]], (tp[0].YRANGE)[1], \$

>

> comment[idx[i]], \$

>

> FONT\_SIZE=7, \$

>

> /DATA, \$

>

> TARGET=tp[0], \$

>

> ALIGNMENT=0.5, \$

>

> VERTICAL\_ALIGNMENT=1.0 )

>

> print, tp[0].YRANGE

>

>

>

>

```
>
> This is the output:
>
>
>
>      0.0000000    350.00000
>
>      0.0000000    400.00000
>
>      0.0000000    400.00000
>
>
>
> So the PLOT() command uses the "busted" YRANGE property value, but doing
>
> so "fixes" it.
>
>
>
> WTF?
>
>
>
> I give up.
>
>
>
> On 02/28/14 13:18, David Fanning wrote:
>
>> Paul van Delst writes:
>
>>
>
>>> To paraphrase Inigo Montoya, regarding the property YRANGE:
>
>>> "You keep using that word. I do not think it means what you think it means."
>
>>
>
>> It has been one of those days. (Well, honestly, it has been one of those
>
>> weeks.) I finally got a chance to take a shower a few minutes ago and I
>
>> was thinking as the hot water splashed over me, that as long as I was
>
>> asking philosophical questions that remain unanswered, here is another.
>
>> When you say:
```

>  
>>  
>  
>> "For the record, I use FG pretty much exclusively.  
>  
>> I think they're great."  
>  
>>  
>  
>> Do you mean great from an "idea" perspective? Or do you mean great from  
>  
>> a "practical" perspective? Because I find them to be a long, long way  
>  
>> from "great". Sometimes I don't understand what reality I live in. Blame  
>  
>> the ganja wafting over me from all quarters now, I guess. :-)  
>  
>  
>  
> Albert Einstein -- 'In theory, theory and practice are the same. In  
>  
> practice, they are not.'  
>  
>  
>  
> Grr argghh!

Hi Paul,

I don't think you need to use a PLOT to do your dashed line. When you do an overplot, it's going to try to update the range to fit your new plot line. Instead, you could just use a polyline:

```
IDL> p = plot(/test, xrange=[0,250], yrange=[-1,2])  
IDL> p1 = polyline([200,200],p.yrange, /data, linestyle='dashed')
```

Hope this helps.

Cheers,

Chris

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