
Subject: Re: tvimage and multiplot

Posted by [David Fanning](#) on Fri, 04 Feb 2011 18:50:42 GMT

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Gray writes:

> I'm using DG, multiplot, and tvimage to display a set of three
> images. Here's my code; can anyone tell me why my images are being
> displayed on top of each other and not in the right places?

```
>  
> multiplot, [1,3]  
> tvimage, congrid(sub1,200,200), /axes, acolor='yellow', $  
>   axkeywords={ticklen:0.}, /keep  
> plots, 99.5, 99.5, psym=6, color=clr1  
> multiplot  
> tvimage, congrid(sub2,200,200), /axes, acolor='green', $  
>   axkeywords={ticklen:0.}, /keep  
> plots, 99.5, 99.5, psym=6, color=clr1  
> multiplot  
> tvimage, congrid(sub3,200,200), /axes, acolor='magenta', $  
>   axkeywords={ticklen:0.}, /keep  
> plots, 99.5, 99.5, psym=6, color=clr1  
> multiplot, /reset
```

>
> Only the final one ends up being displayed, which probably means
> they're being overplotted. Help? Thanks!

TVImage responds to the value of !P.Multi. I don't see Multiplot
setting this variable:

```
IDL> multiplot,[1,3]  
IDL> print, !P.MULTI  
      0      0      0      0      0
```

Instead of Multiplot, I would set !P.Multi=[0,1,3]. I would
also set the SAVE keyword on TVImage so your PLOTS command
goes in the right place. Be sure to set !P.MULTI back to zeros
when you have typed your three TVImage commands.

```
IDL> !P.Multi=0
```

Cheers,

David

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