
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

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.

Subject: Re: tvimage and multiplot
Posted by [David Fanning](#) on Fri, 04 Feb 2011 18:54:46 GMT
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David Fanning writes:

```
> 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
```

Another way to do this is to use the new LAYOUT keyword for TVImage (now cgImage), but I'm which version you are using.

```
TVImage, ..., Layout[1,3,1]
TVImage, ..., Layout[1,3,2]
TVImage, ..., Layout[1,3,3]
```

You can use the MULTIMARGIN keyword if you want some space between your images.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: tvimage and multiplot

Posted by [David Fanning](#) on Fri, 04 Feb 2011 18:57:30 GMT

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David Fanning writes:

```
> Another way to do this is to use the new LAYOUT keyword for
> TVImage (now cgImage), but I'm which version you are using.
>
>   TVImage, ..., Layout[1,3,1]
>   TVImage, ..., Layout[1,3,2]
>   TVImage, ..., Layout[1,3,3]
>
> You can use the MULTIMARGIN keyword if you want
> some space between your images.
```

Goodness, doing too many things again. :-(

Got to be LAYOUT=[...], etc.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: tvimage and multiplot

Posted by [Gray](#) on Fri, 04 Feb 2011 21:50:50 GMT

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On Feb 4, 1:57 pm, David Fanning <n...@dfanning.com> wrote:

```
> David Fanning writes:
>> Another way to do this is to use the new LAYOUT keyword for
>> TVImage (now cgImage), but I'm which version you are using.
>>
>>   TVImage, ..., Layout[1,3,1]
>>   TVImage, ..., Layout[1,3,2]
>>   TVImage, ..., Layout[1,3,3]
>>
>> You can use the MULTIMARGIN keyword if you want
>> some space between your images.
>>
> Goodness, doing too many things again. :-(
```

>
> Got to be LAYOUT=[...], etc.
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.idlcoyote.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Thanks! I actually ended up combining two windows and using
position=[] because I have a couple different plot sizes.
