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Subject: Maps, overlaying, and !Pmulti (again)  
Posted by [Andy Sayer](#) on Tue, 30 Apr 2013 13:19:19 GMT  
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Hi all,

I am having some problems with multiple maps per page, and have read old topics on this newsgroup about it (suggesting these issues have been around for a decade or more), but I haven't managed to convert the advice in those posts into something which works for me. I also went through the Exelis webpage (if you're reading, please consider adding code examples onto your site) and David's page.

The situation is, I want to overlay two images (e.g. two separate satellite orbits) on one map projection, through sequential calls to `map_set`.

If `!p.multi=0`, this seems to work fine:

```
map_set  
(plot first orbit)  
map_set,/noerase  
(plot second orbit)
```

However, if `!p.multi` is something different, it doesn't work. For example:

```
!p.multi=[0,2,2]  
map_set  
map_set,/noerase
```

gives two separate map areas—even though I did not specify the `/advance` keyword either time.

Anyone know what I am doing wrong?

I don't really want to manually specify plot positions for each subpanel in this case as this is for a time-saving routine I am writing (so e.g. final positions on sizes would depend on output size and type). There must be something simple I am doing wrongly. Same behaviour on IDL 7.1.1. and 8.2.2., on CentOS.

Thanks,

Andrew

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