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Subject: map\_set without any grid lines

Posted by [audrey.schaufelberger](#) on Wed, 18 Jun 2014 23:36:59 GMT

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I have a very simple question: I want to use map\_set but I don't want it to display any grid lines. I tried setting glinethick to 0 and or spacing the glines very far apart, but nothing seems to work. Does anyone have any suggestions?

best,  
Audrey

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Subject: Re: map\_set without any grid lines

Posted by [David Fanning](#) on Thu, 19 Jun 2014 00:02:42 GMT

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audrey.schaufelberger@gmail.com writes:

> I have a very simple question: I want to use map\_set but I don't want it to display any grid lines. I tried setting glinethick to 0 and or spacing the glines very far apart, but nothing seems to work. Does anyone have any suggestions?

Don't set the Grid keyword.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Seppure ma de ni thue. ("Perhaps thos speakest truth.")

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Subject: Re: map\_set without any grid lines

Posted by [robert.vorburger](#) on Thu, 19 Jun 2014 00:55:25 GMT

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I didn't... here's the corresponding excerpt from my code:

```
map_set, /orthographic, -53, 191, 0, $ azimuthal, lambert  
      /grid, latdel=30, lonel=30, /isotropic
```

```
clr_0= bytscl(map, max=max(map), min=min(map), top=254)
```

```

for i=0,size_map[1]-1 do begin
  for j=0,size_map[2]-1 do begin
    polyfill, i + [-0.5,0.5,0.5,-0.5], $
    j-90 + [-0.5,-0.5,0.5,0.5], $
    color=clr_0[i, j]
  endfor
endfor

```

```

map_grid, latdel=10, lonel=10, glinethick=1, glinestyle=2
map_grid, latdel=30, lonel=30, glinethick=4, glinestyle=0

```

```

map_set, /orthographic, 0, 0, 0, $
glinethick=0, /isotropic, /advance

```

the second map\_set plots a grid even without the /grid keyword...

p.s: the idea behind this is to overplot an ellipse for which I need to reset the map, because I want to plot the ellipse on the southern hemisphere of the globe but don't want it to be 'distorted'...

p.p.s: I am using the ellipse function you give to one of the questions on your website. thank you for that!

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Subject: Re: map\_set without any grid lines  
 Posted by [David Fanning](#) on Thu, 19 Jun 2014 01:19:20 GMT  
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robert.vorburger@gmail.com writes:

```

>
> I didn't... here's the corresponding excerpt from my code:
>
> map_set, /orthographic, -53, 191, 0, $ azimuthal, lambert
>   /grid, latdel=30, lonel=30, /isotropic
>
> clr_0= bytscl(map, max=max(map), min=min(map), top=254)
>
>
> for i=0,size_map[1]-1 do begin
>   for j=0,size_map[2]-1 do begin
>     polyfill, i + [-0.5,0.5,0.5,-0.5], $
>     j-90 + [-0.5,-0.5,0.5,0.5], $
>     color=clr_0[i, j]
>   endfor
> endfor
>
>

```

```
> map_grid, latdel=10, lonel=10, glinethick=1, glinestyle=2
> map_grid, latdel=30, lonel=30, glinethick=4, glinestyle=0
>
> map_set, /orthographic, 0, 0, 0, $
>   glinethick=0, /isotropic, /advance
>
> the second map_set plots a grid even without the /grid keyword...
>
> p.s: the idea behind this is to overplot an ellipse for which I need to reset the map, because I
want to plot the ellipse on the southern hemisphere of the globe but don't want it to be 'distorted'...
>
> p.p.s: I am using the ellipse function you give to one of the questions on your website. thank
you for that!
```

Well, then, don't set the GLINETHICK keyword!

This code doesn't draw a grid on the second plot:

```
window, xs=800, ys=400
!p.Multi=[0,2,1]
map_set, /orthographic, -53, 191, 0, $
    /grid, latdel=30, lonel=30, /isotropic

map_grid, latdel=10, lonel=10, glinethick=1, glinestyle=2
map_grid, latdel=30, lonel=30, glinethick=4, glinestyle=0

map_set, /orthographic, 0, 0, 0, /isotropic, /advance
map_continents
!P.Multi=0
END
```

--

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

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Subject: Re: map\_set without any grid lines  
Posted by [robert.vorburger](#) on Thu, 19 Jun 2014 01:27:05 GMT  
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that... works! thank you! can't believe I tried all different variations, but never tried to set simply nothing!

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Subject: Re: map\_set without any grid lines

Posted by [audrey.schaufelberger](#) on Thu, 19 Jun 2014 01:28:17 GMT

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that... works! thank you! can't believe I tried all different variations, but never tried to set simply nothing!

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Subject: Re: map\_set without any grid lines

Posted by [audrey.schaufelberger](#) on Thu, 19 Jun 2014 01:29:35 GMT

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that... works! thank you! can't believe I tried all different variations, but never tried to set simply nothing!

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