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Subject: Re: map\_set question

Posted by [Harald Frey](#) on Thu, 16 Sep 1999 07:00:00 GMT

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Colin Peterson wrote:

> If anyone still has the IDL 4.0 User's Guide (1995) please look at  
> page 19-10 to help in answering my question here. The picture for the  
> Oblique Cylindrical Equidistant map projection interests me because I  
> would like to see both poles. I'm using IDL 5.2 on UNIX so that might  
> make a difference, but if I type the command on page 19-11:  
>  
> map\_set, 0, 0, 45, LONDEL = 20, LATDEL = 20, \$  
> /GRID, /CONTINENT, /CYL, TITLE='...'  
>  
> to produce this map, it comes up with a simple cylindrical map, but  
> the whole map actually rotates 45 degrees, ie the edges of the map are  
> now 45 degrees from their original horizontal and vertical positions.  
> I would expect the ROT value of 45 to create the map on page 19-10 as  
> the book says, but it does not. Can anyone explain this discrepancy  
> in the book, and how I can create that map on page 19-10? Thanks.  
>

The best I could come up with on IDL 5.1 was

```
map_set, 45, 0., 0, LONDEL = 20, LATDEL = 20, /GRID, $  
/CONTINENT, /CYL
```

but one of the pole ends up at the side of the plot.

Even with the limit keyword I could not shift both poles

into the position of figure 19.4.

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